Washington City
Where Dixie Begins

Washington City

WASTEWATER CAPITAL IMPROVEMENTS PLAN

February 2017

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I. EXECUTIVE SUMMARY

The following section is for summary purposes only. Detailed information regarding the numbers and figures presented herein are provided in the body of this Washington City Wastewater Master Plan.

A. INTRODUCTION

Washington City has commissioned Sunrise Engineering, Inc. to update the Washington City Wastewater Master Plan which incorporates an Impact Fee Facilities Plan and Impact Fee Analysis. Washington City has expressed their desire, with this update of the Master Plan, to establish strict wastewater basins during the course of the analysis and to create a wastewater system model to maintain for future analysis. This report covers the model input data, calculation, model analysis, model results, recommendations, treatment options, and financial analysis for improvements.

B. WASTEWATER SYSTEM FACILITIES

Washington City's wastewater system consists of a gravity collection system with four lift stations. The gravity collection system is then conveyed through the regional system to the regional treatment plant. No system issues have been reported in terms of consistent blockages or backups. The existing system is assumed to be in good overall health.

For the system to remain in good health and to maintain a dependable plan for future development, all wastewater flows must stay within their collection basins as shown in Map 2. Basin jumping, or altering the basin boundaries as outlined in this report and Appendix A (Map 2), is strictly prohibited and will not be accepted. The existing and future systems have been modeled and reviewed, following the City's plan for general development. While it may be possible or seem convenient for a development or area to flow into a different basin than shown in this plan, the infrastructure downstream may not be able to convey future flows without major adjustments to this improvement plan and the wastewater system. Any adjustment of the collection basin boundaries will not be tolerated nor be allowed by Washington City and its representatives.

As the City grows, isolated and outlying valleys are anticipated to be developed which would likely pose a challenge to convey water to the regional lines. Washington City is interested in constructing a City treatment plant near the Virgin River and Washington Dam Rd. bridge, in order to collect and treat the wastewater from these isolated locations. Another alternative is to pump the flow to the existing city system and convey it to the regional system. This alternative would include considerable upsizing of the majority of the trunk lines from the pressure line drop manholes to the regional treatment plant.

C. LAND USE DATA

Land use data was assembled to provide a realistic view of the type of land uses currently in place and possibly available in the future. Land uses were based on the City's General Plan but were also adjusted as necessary by Sunrise Engineering and Washington City during this planning process.

The resulting land use data only shows the highest priority land use for each area. It was assumed that the current land uses within the city will change little within the 10-year analysis period. Wastewater Flow demands for existing and buildout conditions are influenced by the land use data.

D. SYSTEM MODEL

As part of this plan, Sunrise Engineering has modeled the existing system as it is now with current demands, and the anticipated buildout scenario with buildout demands. The buildout scenario was evaluated under two alternatives: Option A which assumes a treatment plant in the Sunrise Valley area, and Option B which assumes pumping all flows through the system into the regional lines.

Existing demand calculations were completed sub-basin by sub-basin based on the number of connections in each sub-basin, average people per household, and the State of Utah design parameter for interceptors and outfall sewers of 250 gal. per capita per day (gpcd) (see R317-3-2.2).

The buildout demand calculations for each individual sub-basin were based on land use, area, average connections per acre for the given land use, the previously specified state design parameter of 250 gpcd, and a percent realized reduction factor to account for areas not anticipated to meet maximum density.

Modeling the existing conditions allows for the evaluation of current deficiencies and provides an opportunity for model calibration. Buildout Option A, City treatment plant, is the preferred alternative over Option B, pumping flows through the system. Recommended system improvements will be based on the recommendations meant to alleviate deficiencies shown in both the existing system and future system in each basin.

E. RECOMMENDED SYSTEM IMPROVEMENTS

The 0-10 year recommended improvements are highlighted in Table VI-1 and in Figure VI-B. These improvements include upsizing lines in areas approaching buildout conditions. New conveyance systems in Sunrise Valley and Long Valley will be needed to temporarily connect to a new lift station to service Washington Dam Rd. The model results show three areas that seem to be deficient according to the model conditions. These areas are also included in the 0-10 year improvements and are at 100 E. and Industrial Dr., 1100 E. at Telegraph Rd., and 140 W. near 1725 S.

The 10-20 year improvements will be based on anticipated growth and development projections. These projects are shown in Figure VI-C.

- City Treatment Plant
- Lift station in Warner Valley
- Upsize Telegraph/Washington Fields Rd. trunk line
- Upsize 2000 S. trunk line
- Upsize 3650 S. and Washington Fields Rd. trunk line
- Upsize Merrill Rd. trunk line

F. SYSTEM FINANCIALS

Cost estimates for recommendations within the 10-year impact fee calculation period are itemized in Appendix E. The total cost including Professional Services is estimated at 5.61 million dollars. It is also assumed that developers will be responsible for a little more than half the costs in Sunrise Valley and Long Valley, adding to the previous total. Of that total, 5.17 million dollars is eligible for impact fees. Over the study period, 5,275 new ERUs are expected to be added resulting in a maximum impact fee of $980.66.

A detailed cash flow table is presented in Appendix E. It shows the financial viability of the recommendations and of the Washington City sewer system for the next 10 years.

II. INTRODUCTION

This section reviews the purpose and scope of this plan, provides background information, and considers documented flooding events and problems.

A. PURPOSE AND SCOPE

Washington City commissioned Sunrise Engineering, Inc. to conduct an update to the Wastewater Master Plan. Also included in the plan update is an Impact Fee Facilities Plan, Impact Fee Analysis, the development of a wastewater model, and a review of the City's wastewater user rates and ordinance. During the process of establishing the model, Sunrise coordinated with the City to reconcile a lack of data or large amounts of seemingly incorrect data.

While the model data collection was ongoing, Washington City requested that wastewater basins be established and new demands calculated. The demands were calculated by taking into account zoning, housing density, and system connections. The impact fee analysis is anticipated to simplify the impact fee schedule for the City, and to institute just one impact fee. This plan will also include alternatives to centralized treatment in order to minimize construction costs of upsizing main lines through the City.

B. BACKGROUND INFORMATION

Washington City, Utah is located east of St. George City along I-15 and has experienced moderate to high growth rates over the past 30 years. Growth and development have resulted in the current system needing to be upsized or added to so wastewater service may continue as expected while the population increases. Washington City is wise to undertake early planning to ensure a regional system can be constructed which will effectively convey wastewater flow from the City.

In 2005, Sunrise Engineering completed the Wastewater Master Plan for Washington City which included a user rate analysis, a connection fee analysis, an impact fee analysis, recommendations for system improvements and a written explanation of the methodologies and calculations used to create the plan. In 2009, a number of conditions had experienced significant change, requiring modifications to the master plan. Among these changes were the rate of growth the City was experiencing, the City's participation in the Washington County Water Conservancy District's (WCWCD) pooling agreement for water resources, and the desire of the City to consider the use of parallel wastewater lines as opposed to large scale upsizing.

Since the 2009 update to the Wastewater Master Plan, several conditions have changed requiring major modifications to the master plan. Among these changes are the desire to have a wastewater model for the City system, to investigate the possibility of alternative treatment methods, and to evaluate the rate of growth the City is experiencing.

Conceptual design of the master planned wastewater system presented in this study has been completed under the design criteria issued by Washington City in the Washington City Construction Design Standards and Washington City Construction Design Details. In addition, wastewater industry standards and engineering judgement were applied where necessary. Preliminary sizing and alignment of proposed improvements was completed based on a current system analysis and buildout conditions

within the study area. Further, financial analyses and a proposed implementation of the recommended master plan improvements have been completed for the appropriate planning periods.

C. PROJECT STUDY AREA

Appendix A (Map 1) shows the study area in relation to the existing City boundary. The study area encompasses the current wastewater system service area, all areas within City limits but not in the desert reserve, and all annexation areas. The eastern and southern annexation areas comprise portions of Purgatory Flat, Warner Valley, and parts of the Fort Pierce Wash. Warner Valley is expected to contribute a large amount of growth and thus significant wastewater flows; however, the timing may be well into the future.

Table II-1 summarizes how the proposed annexations would increase the area within the Washington City boundaries.

Figure II-1: Project Location

Table II-1: Study Area

Area Within Existing Washinton City Boundaries	20,721 acres
Area Within Study Area Boundaries	52,387 acres
Percent Increase in Area	153%

III. LAND USE DATA

Design of any wastewater pipe system requires that the amount of wastewater flows entering the system are known or can be reasonably estimated. Wastewater flow quantities can be estimated based on population densities, existing or predicted, within a wastewater collection area. The land use for the City of Washington has been used to calculate wastewater flows for current and future scenarios. Possible land uses for annexation areas were assumed based on the city's General Plan.

Standard design practices and calculations are applied to the population numbers to predict average and peak wastewater flows that will be generated in the area and introduced into the wastewater system. This section seeks to summarize how design wastewater flows were calculated for the Washington City study area.

Table III-II-1: Land Use Housing Densities

Land Use Categories and ERU Densities	Unit Density units/acre	ERU Rate ERUs/unit	ERU Density ERUs/acre
100 Year Flood Zone	0	0	0
Business	1	2.44	2.44
Civic	1	2.44	2.44
Community Commercial	7	2.53	17.71
Estate	0.75	1	0.75
High Density	15	1	15
Hillside Protection Zone	1	1	1
Historic Downtown	3.1	1	3.1
Industrial	1	2.44	2.44
Low Density	3.75	1	3.75
Medium Density	5.5	1	5.5
Medium High Density	10	1	10
Modified Hillside Protection Zone	0	0	0
Neighborhood Commercial	7	2.53	17.71
Open Space	0	0	0
Park	0	0	0
Pond	0	0	0
Regional Commercial	7	2.53	17.71
Very Low Density	2	1	2
Virgin River Erosion Hazard Zone	0	0	0
Warner Reservoir Dam	0	0	0
Warner Ridge Fort Pearce	0	0	0
Warner Valley Reservoir	0	0	0

A. LAND USE

Washington City provided spatial data in GIS format for the City's general plan land use, current City zoning, and other land use data referenced in the general plan to create an overall land use dataset on which to base wastewater demand densities. The GIS data was used to create a land use dataset where conflicts between the data were resolved by priority of the data layers. The layers in order of priority are presented below:

1. Protected lands
2. Future Warner Valley Reservoir
3. Future Warner Valley Dam
4. Erosion Hazard Zone and 100-yr Floodplain
5. Unbuildable slopes
6. Buildable slopes (lower density)
7. Developable land use

The order of these seven data layers are prioritized by the likelihood that development will occur in any given location. The first five categories are assumed to not have any future development. The last two categories in the list have developable land area and were the lowest priority data sets for assigning land use.

After coordination with the city the land use within the existing city boundary and annexation areas were determined. The final version of the assumed land use utilized for this report is shown in Appendix A (Map 3) showing how these specific land use designations lie within the study area. The developable land use layer was modified from the general plan and zoning data to create a more specific land use map for the City and the annexation areas. This land use

data was used for the buildout scenario and was used for the existing conditions scenario. It was assumed that the existing land uses would be the same for the buildout land uses; the difference being the Buildout Scenario has more land area outside of the existing City boundary.

Each land use was then assigned a development density for housing units. An equivalent residential unit (ERU) is used to equate nonresidential wastewater system users to residential system users so comparisons can be made in terms of system use. Table III-II-1 shows the unit density (units per acre), ERU rate (ERU's per unit), and the ERU density (ERU's per acre) which is the product of the previous two values.

B. SECTION SUMMARY

Land use data was created to provide a realistic view of the type of land uses currently in Washington City and possibly available in the future. Land uses were based on the City's General Plan but were also adjusted as necessary by Sunrise Engineering and Washington City. The resulting land use data only shows the highest priority land use for each area. It was assumed that the current land uses within the city will change little based on design and evaluation purposes for this report.

IV. SYSTEM MODEL

Given the calculated demands for both existing and buildout conditions, and utilizing the system data provided by Washington City, the system was modeled for these scenarios with H2OMap Sewer® software. The wastewater system model preprocessing and model runs are discussed in this section. The process of collecting and creating the necessary information is described at lengths sufficient to be recreated as it is anticipated to be used in subsequent updates of this plan.

A. PREFACE

Washington City wanted to set this Wastewater Master Plan apart from the previous editions with the requirement of utilizing computer modeling software to aid in evaluation and design of the wastewater system. The model is a tool to represent the real system. The model's accuracy and precision are all contingent upon the input data provided by Washington City and created by Sunrise Engineering. The model is set up and intended to be used for ongoing projects and evaluations at the request of the City. The model will continue to be modified and calibrated as additional data is provided by the City.

B. BASIN DELINEATION

Washington City expressed a desire to clearly identify and establish wastewater basins for the City. These basins represent a flow area into the wastewater network and aid in planning and sizing of future systems. A collection basin is an area defined by topographic or other features that govern or influence how wastewater is most efficiently routed from an area. In most cases, collection basins are determined by considering how a gravity sewer system could be constructed and which direction the proposed pipes must be aligned to maintain downhill slopes toward the receiving treatment facility. In many cases the end of a collection basin is the junction with a regional trunk line. In all cases, the collection basin is a tributary area from which wastewater flows are concentrated at a single point. Engineering judgment was used in defining the outlet points and basin size. Three main criteria were used in defining the basins:

1. Existing system network
2. Hydrologic conditions (topography)
3. Existing system capacity

The existing system network was the first criterion for defining basins. Bottle necks in the system (i.e., the Millcreek freeway crossing) provide natural breaks in flow areas. Once the basin boundaries were established based on the existing system, areas were then based on the second criterion of hydrologic conditions, namely topography and watersheds. The natural drainage of the area dictated the flow direction of areas not currently serviced by the existing system. The third criterion was existing system capacity. If areas of undeveloped land were able to be conveyed to several different parts of the existing system, the excess capacity of each system branch was considered. For example, if two truck line could convey wastewater flow from a future developed area, then the truck line with the most excess capacity was chosen to convey the future additional flow to prevent unnecessary upsizing of truck lines. Washington City was involved in the creation and editing of the basin boundaries.

The basins are numbered 1 through 22 and each has at least one sub-basin. Generally, numbering of the basins is from west to east, then north to south. The basins are identified by a hyphenated number representing the basin then the sub-basin. For example, basin number 1 covers the

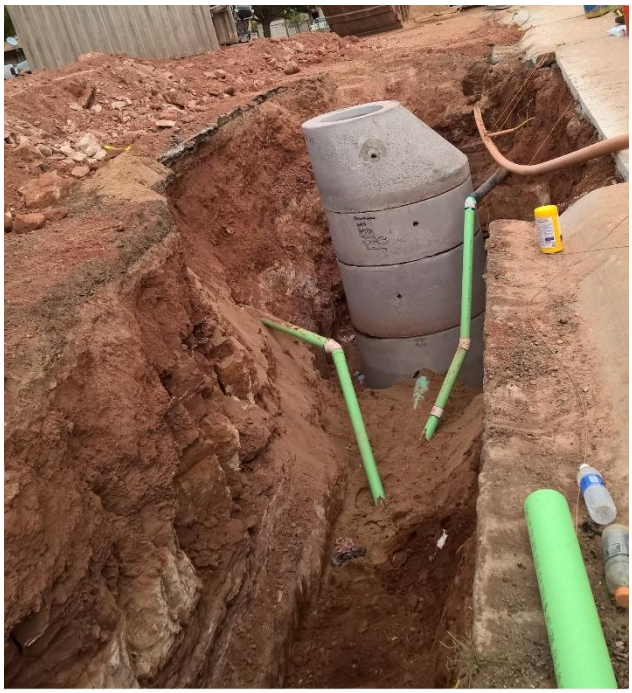


Figure IV-1: Urie Drive Manhole Wastewater Replacement Project

Green Springs area of Washington. Sub-basin 1 of this basin covers the most north-west part of the basin and will be referred to sub-basin 1-1. Although basin 19, which covers the north part of Long Valley, only has one sub-basin, it may be referred to as both basin 19 and sub-basin 19-1.

Please refer to the recommendations section of this report and the resulting maps for sub-basin to sub-basin flow patterns. These change in certain places based on which option is being implemented.

C. DEMAND CALCULATIONS

Wastewater flows, or demands, were calculated for each sub-basin using slightly different methods for the existing and buildout scenarios. The model software utilizes the manholes to simulate flows entering the system network. After the total flow of the sub-basin was calculated, it was divided by the total number of manholes to yield a loading per manhole (gallons per minute per manhole) to be used in the model for all manholes in that sub-basin.

The existing condition demands are based on existing connections within different land uses in each sub-basin. The buildout condition demands are based on the area of the different land uses and a realized percentage of maximum density in that area. The following sections go through the exercise of calculating the demands for an example sub-basin for both existing and buildout conditions.

i. EXISTING CONDITIONS

The existing flows per basin were calculated by summing the number of connections to the sewer system in that sub-basin per land use and multiplying by the assumed number of ERUs per connection for that land use shown in Table III-II-1. This yields the total ERUs per land use for each sub-basin. All the ERUs within the sub-basin were then summed and converted to gallons per minute (gpm) wastewater flows.

Sub-basin 1-1 will be used as an example on how the demands for each sub-basin were calculated. First, the number of connections were counted for each type of land use. There are 213 connections within the low density land use and 1 connection within the hillside protection zone. These values are multiplied by the corresponding ERUs per connection values in Table III-II-1. For low density residential land use, there is 1 ERU per connection. This means that each residence is assumed to contribute one equivalent residential unit of wastewater flow to the system.

$$(213\ connections) \times \frac{1\ ERU}{connection} = 213\ ERU$$

For hillside protection zone land use, there is 1 ERU per connection.

$$(1\ connections) \times \frac{1\ ERU}{connection} = 1\ ERU$$

Then, the number of ERUs from all the land uses are added together and converted to flows in gallons per minute. Census data showed that 2.88 people reside in each household or residential unit. The wastewater flow of 250 gallons per day per person is used for demand during sewer design as recommended by State Code and Washington City Design Standards.

$$214\ ERU \times \left(\frac{2.88\ persons}{ERU}\right) \times \left(\frac{250\ gal}{day \times person}\right) \times \left(\frac{1\ day}{1440\ min}\right) = \mathbf{107\ gpm}$$

107 gpm of wastewater flow is expected from sub-basin 1-1 based on the number and type of connections to the system in that area. Then the number of manholes in the same sub-basin is counted. Sub-basin 1-1 has 81 manholes. The demand is evenly spread over the whole sub-basin.

$$107\ gpm \div 81\ manholes = 1.321 \frac{gpm}{manhole}$$

This values of <u>1.321 gpm</u> was used for the loading of the system for each manhole in sub-basin 1-1 in the wastewater system model for existing conditions. This process is repeated for each of the sixty-six sub-basins in the study area.

ii. Buildout Conditions

The philosophy of calculating the demands for the buildout condition was different; a realistic potential for each basin was calculated. Where the sub-basin had existing demands, a change in flow from existing to buildout conditions was estimated and a percentage was determined to assign the additional flow to either the existing system or to a new, future extension to the existing system (or simply the future system).

Again using sub-basin 1-1 as an example, the area of each land use type in the sub-basin was calculated in GIS software, then multiplied by an ERU density for that land use. Table III-II-1 summarizes these ERU density values. The number of ERUs in the low density residential land use (density = 3.75 ERU/ac) in sub-basin 1-1 are calculated as follows.

$$188.8\ acres \times 3.75 \frac{ERU}{acre} = 708.1\ ERU$$

The hillside protection land use ERUs are calculated.

$$1.8\ acres \times 1 \frac{ERU}{acre} = 1.8\ ERU$$

The ERUs are summed together and converted to wastewater flows.

$$709.9\ ERU \times \left(\frac{2.88\ persons}{ERU}\right) \times \left(\frac{250\ gal}{day \times person}\right) \times \left(\frac{1\ day}{1440\ min}\right) = \mathbf{354.9\ gpm}$$

The value of 354.9 gpm represents the total wastewater flow potential of sub-basin 1-1 if the sub-basin were to reach its maximum density. It was recognized that the basins may not realize their full potential for many different reasons, especially those sub-basins that already have areas not meeting maximum densities. Engineering judgment was used to determine a percent realized for each sub-basin. The percent realized value represents a reduction from the maximum wastewater flow potential because of

a lower housing density than allowed by zoning ordinances. The percent realized value for sub-basin 1-1 was placed at 70%.

$$354.9\ gpm \times 70\% = \mathbf{248.4\ gpm}$$

Once the buildout flow is calculated, it must be distributed between the existing system and a future extension of the system. The flow distributed to the existing system represents the existing conditions flow plus additional flow from fill-in development. The flow distributed to an extension of the system represents future development outside of the existing system service area. Sub-basin 1-1 was determined to be in need of a small future system to better model the buildout conditions. The change in flow from existing conditions to buildout conditions is multiplied by a percentage to separate this addition flow between the existing system and a future extension of the system. This percentage for sub-basin 1-1 is 25% and is based on the buildout percentage and the percent infill of the sub-basin. This means that 25% of the additional flow to the sub-basin will be entering the system through the existing system. The demand for the existing system in the buildout condition is calculated.

$$(248.4\ gpm - 107 gpm) \times 25\% + 107 gpm = \mathbf{142.4\ gpm}$$

The demand for a future system in the buildout condition is calculated.

$$248.4\ gpm - 142.4\ gpm = \mathbf{106.0\ gpm}$$

Each of these values are then divided by the number of manholes in each system to yield a loading for the model. The loading for sub-basin 1-1 in the buildout condition for the existing system is 1.758 gpm per manhole (this includes the 1.321 gpm under existing condition) and for a future extension of the system with three manholes, 35.362 gpm per manhole. Appendix C has a summary of these calculations for all sub-basins.

D. COMPUTER MODEL

The modeling software used to model the system is H2OMAP Sewer® by Innovyze. The wastewater model is a numerical model with a spatially representative viewer for data input and output. GIS data was received from the City and then preprocessed in a GIS format to allow a more streamlined import into the model. Elevations, lengths, connecting nodes or manholes, and any other information that the model needed was calculated as attributes to pipe and manhole objects in GIS.

The parameters that allow the model to simulate peaking flows were turned off. It was decided to turn off peaking in the model because the process of calculating demands was based on standard design flow assumptions that take into account peak flows, mainly a flow of 250 gpd per person. This effectively negates the need to simulate peaking in the model. Design criteria entered into the computer model assume that the pipe system will flow at 2/3 full capacity and the Manning's roughness was set at 0.013.

The four lift stations in Washington City were inserted into the model with the appropriate modeling parameters based on wet well volume and pumping capacities. Once these parameters were correctly entered into the model and the model was adjusted as necessary, the model was run and the results produced. The results are presented in Appendix A (Maps 5-12).

Some major network errors were discovered during the process of setting up the model that

required more data to be gathered. Washington City employees gathered the needed data and Sunrise updated their data and model to reflect the changes. The changes allowed the model to more appropriately reflect actual conditions.

E. MODEL SCENARIOS

At the request of the City, Sunrise Engineering has evaluated different scenarios for the buildout conditions. The first scenario, Option A evaluated the future system where natural basins that flow to the Virgin River or Fort Pierce Wash were to have their own small treatment systems. This scenario also has some of the future extension of the system routed through the existing system. Notably, the sub-basins north of I-15 (sub-basins 5-2 and 5-3) were routed down Main St. See model result Maps in Appendix A for visual representation of the Option A network.

The second scenario, Option B assumes all of the future system was pumped and routed through the existing system except for the basins that flow to Fort Pierce Wash. Also sub-basins 5-2 and 5-3 were routed through the system that is conveyed down 1100 East. This scenario was requested based on an older recommendation from the regional wastewater treatment plan suggesting all flow in Washington City be conveyed to, and treated at, the regional wastewater treatment plant.

F. SECTION SUMMARY

Throughout the process of determining model inputs, Washington City has repeatedly stressed the establishment of wastewater basins for planning and enforcement purposes. The wastewater basins were delineated from the existing system network and supplemented with natural watershed boundaries where the existing system is not buildout. Furthermore, the boundaries effectively establish where to convey future flows and should be followed for this infrastructure plan to be valid.

Existing demand calculations were accomplished sub-basin by sub-basin and were based on the number of connections, average people per household, and the state design parameter of 250 gpcd. The buildout demand calculations were based on land use, area, average connections per land use per acre, the state design parameter of 250 gpcd, and a percent realized reduction factor. The buildout demand is then separated between the existing system and possibly a future system on a sub-basin by sub-basin basis.

Modeling the existing conditions allows for the evaluation of current deficiencies and provides an opportunity for model calibration. Buildout Option A, City treatment plant, is the preferred alternative over Option B, pumping flows through the system. Recommended system improvements will be based on the recommendations meant to alleviate deficiencies shown in both the existing system and future system in each basin.

V. WASTEWATER SYSTEM FACILITIES

The total master planned wastewater system recommended for implementation in Washington City consists of both existing and proposed facilities which operate together to convey wastewater effluent. These facilities include gravity pipe networks, lift stations and force mains, a wastewater utility yard, and a regional trunk line system to carry effluent to the regional treatment plant. The discussion presented in this section seeks to briefly highlight important details pertaining to each of the major system components.

A. COLLECTION BASINS

Wastewater collection basins are developed by planning and system network. These areas are best established in the planning stages to better anticipate system improvement needs and to evaluate system health. Map 2 in Appendix A shows these basins and sub-basins for Washington City.

Basin jumping, or altering the basin boundaries as outlined in this report and Appendix A (Map 2), is strictly prohibited and will not be accepted. The existing and future systems have been modeled and reviewed, following the City's plan for general development. While it may be possible or seem convenient for a development or area to flow into a different basin than shown in this plan, the infrastructure downstream may not be able to convey future flows without major adjustments to this improvement plan and the wastewater system. Any adjustment of the collection basin boundaries will not be tolerated nor be allowed by Washington City and its representatives.

B. GRAVITY PIPE NETWORKS

Wastewater collection systems are generally made up of a network of discharge and flow lines, drains, inlets, valve works and connections for transporting domestic and industrial wastewater flows to regional treatment facilities. Generally speaking, the most obvious component of any wastewater system is the gravity collection pipe network. Flow through gradually sloping gravity wastewater pipes is the most desirable means of moving wastewater effluent since pumping energy is not required.

Most of the wastewater pipe system existing in Washington City and recommended as part of the master planned system improvements are gravity lines. Section VI of this study provides recommendations for current and buildout scenarios of the wastewater collection system and illustrates the layout of each of the existing and proposed gravity trunk lines according to the projected analyses as well as the general location of each line in the wastewater collection basins and their relationship to other major system facilities. A map showing the collection basins is included in Appendix A. It

Figure V-1: Urie Drive Wastewater Replacement Project

should be noted that the location shown for each of the proposed facilities is conceptual and general. Actual development and real site conditions may require that improvements are constructed in alternative locations. However, because of planning and excess capacity, wastewater flows should remain within the collection sub-basin.

C. LIFT STATIONS & FORCE MAINS

In locations where topography, density of existing utilities, lack of adequate right-of-way or other circumstances limit the continuation of a gravity wastewater system, it becomes necessary to construct pressurized force mains to route wastewater over or around the existing obstacles. Force mains are associated with wastewater lift stations; the two are normally designed in conjunction with one another. Because of the perpetual pumping energy required to operate lift stations, these facilities are normally avoided if possible.

Four lift stations are currently operated in the City: Coral Canyon, Highland, Sienna Hills, and Ridge Pointe. Coral Canyon lift station services basin 9 with a 10-inch force main line to lift wastewater over Washington Black Ridge along Telegraph Road. Highland lift station services basin 8 atop the Washington Black Ridge and connects to the force main from the Coral Canyon lift station. Sienna Hills lift station services basin 7 near Washington Pkwy and pumps wastewater along Telegraph Road parallel to the Coral Canyon force main. All three of these lift stations empty into the same drop manhole. The last lift station is at Ridge Pointe, just south of Telegraph Rd., which services basin 6 and connects to a collection system before being routed into the trunk line that conveys wastewater south on Washington Fields Road.

All future lift stations are based on buildout scenarios and should be constructed when development necessitates such facilities. If the first scenario, Option A, as described in Section IV-E, is able to be constructed (with a City treatment system), one additional lift station

Figure V-2: Coral Canyon Lift Station

would be needed for raw sewage and possibly one booster pump for treated water. That one lift station would service basin 11 which is the east side of Washington Dam Road. This lift station is currently in the planning stages. The force main would drop into the existing 8-inch line along Washington Dam Road in sub-basin 10-2. This new lift station is important to provide a phased approach to constructing a City treatment plant by pumping wastewater from basins 19 and 21 until the treatment plant is constructed.

In the second scenario, Option B, where all wastewater must be pumped into the existing system except for the Fort Pierce Wash area, a total of four lift stations would be needed. The aforementioned lift station for basin 11 is the first. The second lift station would service basins 21 & 22 on the north side of the Virgin River. These two basins could be combined to use only one lift station and this scenario assumes that case. These basins cover Purgatory Valley and Long Valley north of the Virgin River. The third lift station would service basin 19 in Long Valley south of the Virgin River. All three of these lift stations would drop into the existing system at the same drop manhole on Washington Dam Road and be conveyed through the 8-inch gravity system. The fourth would service the north portion or north watershed of Warner Valley, yet south of the proposed reservoir. It was modeled by pumping the wastewater south to the future Warner Valley sewer system and would connect to the existing 8-inch near Washington Fields Road.

It is anticipated that the network downstream of each of these lift stations would need to have increased capacity. The 8-inch lines will not be able to convey the design flows calculated for the buildout scenario. It is also possible to phase the construction of the lines and anticipate parallel lines.

It should be noted that each of the lift stations identified in the preceding paragraphs serves a local rather than regional purpose. As a result, recovery of operation and maintenance costs for each of the facilities is a local rather than regional issue. System users who depend upon the existing Coral Canyon, Highland, Ridge Pointe, and Sienna Hills lift stations are assessed additional user fees above the standard fees. These additional fees cover the operation and maintenance costs of the facilities. This method could be employed to recover the operation and maintenance costs of the proposed lift stations that may be constructed in the future.

D. CITY WASTEWATER TREATMENT SYSTEMS

Washington City is interested in the option of having a City Treatment Plant to potentially treat wastewater from remote and topographically isolated valley's currently within the City's annexation area. The type of plant would need to have a small footprint and the City is interested in reusing the effluent in some form. It is also possible to construct a scalping treatment plant that would send bio-solids to the regional treatment plant in St. George City.

Several different methods of treatment ranging in capacity from several homes to an entire city have been investigated and are presented herein. Some treatment options are similar, such as wetlands treatment and agricultural land application, but differ in how the effluent is released from the treatment plant.

i. SAND FILTERS

There are two types of sand filters, intermittent and recirculating. In an intermittent sand filter, wastewater passes down through the sand bed once before going to an absorption field or discharge. Intermittent sand filters are further subdivided into buried and open types. As a rule, intermittent sand filters for single homes or

small clusters are buried and large sand filters are open.

In a recirculating sand filter, part of the effluent from the filter goes to the absorption field or discharge and part is sent back to a recirculation tank ahead of the filter where it is mixed with septic tank or primary treatment effluent before being passed through the filter again. A recirculating sand filter is more expensive and complex than an intermittent unit. However, it can treat the wastewater more completely, and it can be designed to reduce total nitrogen and nitrates in the effluent. This is especially important for systems that discharge to a water-quality-limited stream.

One of the most critical factors in good sand filter performance is the quality of the sand. It must be clean and sized to specific standards. Other key factors are how often and how much wastewater is applied at a time. Sand filters require dosing which is applying wastewater during several short periods of time rather than continuously. This requires a pump and a timer.

Maintenance requirements for sand filters consist of caring for the pumps and other mechanical equipment. Filters that have exposed sand surfaces may have to be raked periodically to keep the surface smooth and to remove surface clogging. Over the long term, some or all of the sand may have to be replaced. In addition, orifices in the distribution lines need to be checked to make sure none are plugged. If necessary, they must be cleaned. In extreme cases, sand filters may be restored by injecting air through the sand from the bottom of the filter.

ii. Mounds

Mounds are similar to sand filters in that they utilize dosed distribution onto a bed of sand. However, a mound has a self-contained water dispersal system because the base of the mound is in contact with the soil that accepts the treated wastewater. Mounds are alternative treatment systems suitable for areas with high bedrock or water tables. Mounds can be used for small community systems. Because of size and construction costs, they are normally cost effective only for individual homes or facilities within a larger management district or for small clusters of homes.

iii. Constructed Wetlands

Constructed wetlands treat wastewater by bacterial decomposition, settling, and filtering. As in tank designs, bacteria break down organic matter in the wastewater under both aerobic and anaerobic conditions. Oxygen for aerobic decomposition is supplied by the plants growing in the wetlands. Solids are filtered and finally settle out of the wastewater within the wetland. Solids may also be settled out in a treatment tank or in individual septic tanks that allow the untreated water to flow into the wetlands area. After a certain time in the wetland, effluent is usually discharged by gravity to an unlined wetland bed. If these systems discharge effluent to surface ditches, they require a National Pollutant Discharge Elimination System (NPDES) permit.

In many cases, constructed wetlands in small community systems are used for polishing processes after other treatment procedures have been employed. Unless gravity flow is not sufficient and pumps are needed, constructed wetlands filters do not have mechanical parts except perhaps a simple manual device used to control the water level. Maintenance is composed of keeping the plants in good condition and maintaining the water level at an adequate level. Dead plant material should be

removed regularly so that it does not add to the organic load in the system.

iv. Lagoon

Wastewater lagoons can provide both aerobic and anaerobic treatment zones of suspended bacteria. Two or more lagoons or cells are used for community systems. With three or more cells, wastewater can flow from one cell to the next in series or in parallel. Wastewater lagoons must be fenced. Lagoons require comparatively little maintenance which includes keeping weeds out, keeping berms mowed and in good condition and maintaining mechanical equipment, pipes and valves. Lagoons should be inspected every few days to ensure that nothing has upset the biological processes occurring in the lagoon and to ensure that all of the mechanical equipment is in good working condition. Quick action to restore proper conditions is critical to prevent more maintenance problems, difficulties in restoring operations, and odors. This treatment requires a considerable amount of land compared to other treatment technologies and makes it less attractive as a treatment solution for the City.

v. Land Application

Application of wastewater effluent to a land area is normally done as a final treatment process. Multiple application techniques are used for both surface and subsurface dispersal. They include gravel infiltration trenches, gravel infiltration fields, drip irrigation, recharge wells, spray irrigation, flood irrigation and other variations of these basic application types. As wastewater percolates down through the soil column, remaining nitrogen, BOD, TSS, phosphorus, coliforms, pathogens, metals and other priority pollutants are chemically metabolized.

vi. Reuse Water

Along the same vein as land application, wastewater effluent is typically used for irrigation. This method is used after treatment to reuse the water that is discharged from the treatment facility. According to the current plan, if a treatment facility were to be constructed, it would be most effective if constructed near the outlets of basins 19 through 22. The reuse water could then be pumped in the future Warner Valley Reservoir to facilitate recreation and irrigation.

vii. Scalping Treatment

A scalping treatment plant "scalps" the bio-solids out of the wastewater flow to be used elsewhere. The bio-solids may be transported to the St. George Regional Treatment Plant and fully treated there. The rest of the flow is then treated using other methods discussed in this section but specifically designed to function with no bio-solids.

viii. Package Plants

Small community wastewater treatment facilities that do not employ some type of single-service on-site technology (i.e. septic tanks) or the alternative methods described above normally use a method that separates the solids from the liquids and treats them in a manner similar to that used by a regional treatment facility. These processes include activated sludge, extended aeration, contact stabilization, oxidation ditches, sequencing batch reactors, membrane bioreactors, rotating biological contactors and trickling filters. Package plants are commercially available in scales suitable for small, isolated communities.

Sequencing batch reactors use aeration and an activated sludge process to treat wastewater. A

specific volume of wastewater, called a batch, is first screened to remove larger particles within the water. It then may undergo primary treatment in a septic tank before being delivered to the reactor. The reactor is a tank into which air is pumped to ensure that a sufficient supply of oxygen is present for aerobic biochemical processes to occur. The addition of oxygen allows microorganisms to consume dissolved organic matter in the wastewater that was not previously removed by a screening or settling process. After a specified period of aeration, wastewater in the reactor is allowed to settle. The sludge that settles on the bottom now consists primarily of the microorganisms that have fed on the organics in the wastewater. After the treated effluent is discharged, all but a small portion of the sludge, which is rich in microorganisms, is removed from the reactor. This helps quickly reestablish a population of microorganisms within the next batch of wastewater delivered to the reactor, reducing the amount of time necessary for treating each batch. Usually more than one reactor is needed so that while one batch of wastewater is being treated, additional flow can be directed elsewhere. The number of reactors ultimately depends on the expected volume of wastewater flow and the amount of time for treatment of each basin in the reactor. A longer retention period produces less sludge and cleaner effluent.

Membrane bioreactors (MBRs) are increasingly being used to treat domestic waste for small communities. Effluent can be treated to either discharge or reuse standards. The MBR replaces secondary clarification in a conventional wastewater treatment plant. MBRs separate biologically treated effluent from the mixed liquor utilizing membranes to perform the separation. The membranes allow the purified water to pass through the pores while creating a complete barrier to the passage of any solid greater than 0.4 microns. This prohibits passage of almost all bacteria and suspended solids. In an MBR, the membranes create a solids barrier and therefore the process is not subject to gravity settling solids limitations as in conventional clarifiers. MBRs are instead limited by the flow dynamics of high solids mixed liquor and the effect on oxygen transfer.

MBR systems are relatively simple to operate, with few pumps and controls; the systems therefore require minimal operator attention. Typical operator requirements for an MBR for a small community would average less than one hour per day. Typical daily maintenance includes monitoring of performance parameters. On approximately a weekly basis, waste from the pre-screens would be disposed of, and sludge would be pumped from the aeration tank to a sludge holding tank. Typical in-situ cleanings take place approximately four times a year. For a small community, these low maintenance requirements can be performed by on-site maintenance personnel in addition to other duties, or as an external service by personnel who visit the plant on an as-needed basis. However, initial capital costs for MBR systems

Figure V-3: Highland Lift Station

and filter replacement costs can make the facilities more expensive to construct and operate than other treatment options

E. SECTION SUMMARY

Washington City is interested in having a City Treatment Plant to treat wastewater from remote and topographically isolated valley's currently within the City's annexation area. The type of plant would need to have a small footprint and the City is interested in reusing the effluent. For example, a package plant could be combined with a wetlands treatment along the Virgin River. It is also possible to construct a scalping treatment plant that would send bio-solids to the regional treatment plant in St. George City. These are some options to consider during preliminary design of the treatment plant.

After a discussion with John Mackey at the Utah Department of Environmental Quality (DEQ), it was established that the DEQ prefers regional facilities over small treatment plants. However, they could also allow a small treatment plant if they made sense in terms of effluent water quality and overall cost. Cost analyses for these options will be present hereafter.

Other hurdles are present in the construction of a City Treatment Plant. They include bio-solid loading, effluent discharge temperature, effluent total dissolved solids, discharge location, and others. In short, the DEQ would entertain and possibly support the construction of a City Treatment Plant if a compelling argument were made for such actions. The largest construction items to affect costs between having a City Treatment Plant or pumping all wastewater to the regional treatment plant are upsizing lines all the way to the regional plant, lift stations, a city treatment plant, and a Virgin River crossing.

VI. RECOMMENDED SYSTEM IMPROVEMENTS

Scenarios for the existing and buildout condition will be analyzed so recommendations may be presented for 0-10 year and 10-20 year time frames. Recommendations are contingent upon the population growth of Washington City. Assumptions were made as to where and when growth may occur within both time frames.

A. PREFACE

The decision was made with City Staff to analyze the system using a dual line scenario. The idea of dual lines is to install parallel lines rather than a single larger line. This allows the capacity of the existing lines to be fully used and mitigates the cost of the larger single line. However, there are instanced where replacing pipes is desired. In order to recommend the best possible solutions to an ever-growing wastewater system, it is necessary to make logical decisions when updating the master plan on a case–by-case scenario.

During the course of amending the model data, it was found that, while the majority of the data is reliable, there could be errors on manhole elevations which would affect the slope and capacity in the model. Most of the recommended improvements for the existing condition scenario are pipes that are shown to have less than acceptable slopes. These slopes should be verified to also verify pipe capacity before decisions are made regarding these recommended improvements. This concept should also hold true for the buildout condition recommendations.

The following sections illustrate the proposed layout of gravity wastewater lines, their location in each of the wastewater collection basins, and their relationship to other master plan facilities such as lift stations and force mains for each scenario. These sub-sections provide a more detailed explanation of each of the scenarios. It should be noted that the shown location of each line or facility is conceptual only. Actual development and real site conditions may require improvements to be constructed in alternative locations or include adjacent pipes and manholes.

B. EXISTING CONDITIONS ANALYSIS

The model analysis results for the existing system show that 9 gravity pipes are over two-thirds full. Of those 9 pipes, 5 pipes contain slopes that are less than allowable according to Washington City Standards, and indirectly by Utah State Code for minimum velocity requirements. We urge caution that before any recommendations are fulfilled, either through design or construction, the pipe slopes be checked and each pipe segment assessed to determine if it can convey the modeled flow.

While the modeled flow shows that these 9 pipes are flowing more than two-thirds full, the City has not made it known that it has experienced any backups at these locations. This suggests that the modeled flow may be greater than the actual wastewater flows. This suggestion is backed further by preliminary flow data that Washington City recently started collecting at predetermined locations. More data is needed to calibrate the model, but a preliminary check suggests actual flows are less than modeled flows. This is likely due to use of the state's recommended flows which are likely conservative for Washington City.

Overall, the system is performing as expected and without the immediate need to upgrade the system. The model shows that there are three

areas that should be upsized: single pipe segments on 1100 East and 140 West, and approximately 2,000 feet toward the south end of 100 East. These areas will be addressed in the 0-10 year recommendations as shown in Appendix A (Figure IV-B).

Figure VI-1: Sienna Hills Lift Station

C. BUILDOUT CONDITIONS ANALYSIS

Two scenarios were analyzed for the buildout condition of Washington City's wastewater system. The two scenarios, titled Option A and Option B, modeled the existing system with preliminary future systems having a City treatment plant or wastewater flows being pumped to the regional system, respectively. Option A also has the future wastewater flow from North Main St. and eastward to Washington Parkway conveyed down Main St. Option B assessed the future Washington Parkway area being convey under I-15 to 1100 East. For both scenarios, all areas that naturally drain to Fort Pierce Wash are model the same. It is a separate system that may either by conveyed to the regional system or treated with a separate treatment system.

The preferred Option A features a City treatment plant to service Warner Valley, Sunrise Valley, Long Valley, and portions of Purgatory Valley. Figures label these areas as basins 16, 19, 20, 21, and 22. Option B features lift stations for all of these basins to pump wastewater to the existing system and then gravity flow to the regional system. Both scenarios show that main trunk lines will need to upsized, especially if Option B is built.

The results of the model for Option A shows that the lines that service Main St., East Telegraph, Washington Fields Rd., 3650 South, and downstream of Washington Dam Rd. will need to be upsized to service growth in Washington City. Option B shows these upgrades but with larger pipes along south Washington Fields Rd., 3650 South, and downstream of Washington Dam Rd. due to pumping from outlying basins.

Generally, the trunk lines mentioned are vastly undersized and would need a parallel pipe of the same size or larger to accommodate future flows. Some areas will grow toward buildout quicker than others and that is taken into consideration for the two time frames for recommendations. The buildout model scenarios influenced the recommendations based on anticipated development and lead time to building a City treatment plant.

D. 0-10 YEAR RECOMMENDATIONS

The immediate recommendations are to address deficiencies with the existing system. In proposing recommendations, future flows should be considered to provide capacity for growth within the design life of the system. Recommendations in this section will cover the time frame from 0-10 years from the publication of this report. They will seek to remedy existing deficiencies, plan for future loading, and anticipate growing regions within Washington City. The City anticipates rapid growth in the North Main St., Washington Fields, and Long Valley areas.

Starting with improvements located in the northwest portion of the City and working to the southeast, improvements in the Green Springs area will be discussed first.

The fairway pipeline improvement is located in the middle of the northern portion of the golf course. Modeling shows that this pipeline will be undersized when the upstream collection area reaches buildout. The current pipe is 8 inches in diameter, and under buildout conditions a 10-inch pipe will be required to convey wastewater flows. To reduce impact to the operation of the golf course, a replacement pipeline was requested. This project is expected to be required in 5 years. Another alternative project may be to connect the lines between Blue Mountain Rd. and Fairway Dr. This alternate project still comes with challenges but may be an option to look into during design.

Fairway Dr. and Green Springs Dr. both have pipelines that have shallow slopes where increase flows necessitate constructing parallel pipes. Fairway Dr. currently has a 12-inch pipe that flows south at the intersection of Fairway Dr. and Green Springs Dr. The final section of pipe in Fairway Dr. has a flat slope and a 10-inch parallel pipe is required to convey buildout flows. Modeling shows that this improvement is needed in 5 years. A Green Springs Dr. pipeline also has near flat slopes from Buena Vista Blvd north to Cove Dr. This section of pipe is currently one 12-inch pipe and buildout flows require another 12-inch parallel line. Factors including model results, project growth, and anticipated development suggest that this improvement is needed in 6 years.

Two lengths of pipe just on the north side of I-15 are expected to be over loaded due to increased flows and shallow slopes. The first section of pipe is currently an 8-inch pipe connecting the north Millcreek area to the south Millcreek collector line. This area is expected to reach buildout conditions in the next ten years. According to our analysis, a 10-inch replacement pipe should convey expected flows under buildout conditions. Modeling shows that this improvement is needed in 8 years. The second section is the 15-inch collector under I-15. It is recommended that an 18-inch replacement pipe be installed via a pipe burst. Factors including model results, project growth, and anticipated development suggest that this improvement is needed in 6 years.

Continuing along the Millcreek line, there is a section of pipe that allegedly has a shallower slope than the rest of the pipe. This section starts about where 600 South would be. It is recommended that a 15-inch parallel line be installed to convey buildout flows that are expected within 8 years.

Main Street currently has one 8-inch line that connects to the north side of the freeway. It was decided that be best route for future flows north of the freeway is for it to be conveyed down Main Street. This project will be needed to

convey expected buildout flows that will predominately come from future development north of I-15. It is recommended, and modeling shows, that a 10-inch parallel line be installed along Main Street from Arrowweed Dr. to 300 South, then along 300 South to 100 East, and finally along 100 East from 300 South to near Foothill Dr. Factors including model results, project growth, and anticipated development suggest that this improvement is needed in 10 years.

Immediately south of the above improvement the existing pipeline is in need of more capacity due to recent increases in wastewater flow to the system upstream of this junction. It is recommended that a 21-inch replacement line be constructed along 100 East from the end of the 10-inch parallel line to Industrial Road. Factors including model results, project growth, and anticipated development suggest that this improvement is needed in 2 years.

While analyzing the modeling results, there was one of a few sections of the system that will be in need of upgrades in the near future. The Industrial Dr. connection to the regional wastewater system is undersized. In the past these improvements have been delayed due to the need for acquisition of an easement through private property. It is recommended that a 24-inch parallel line be installed next to the existing line. This improvement is needed in 1 year.

Another area that is experiencing immediate growth is the area north of the intersection of 1100 East and Telegraph Road. Future flows in this area are expected to increase beyond the capacity of the existing system in the very near future. It is recommended that a 10-inch parallel line be installed along 1100 East from approximately 500 North to 100 North. Starting at 100 North to the system connection in Telegraph Road, it is recommended that a 21" replacement pipe be installed to provide enough capacity given that this section has a very shallow slope. Modeling and City expectations on growth local to this area suggest that these improvements are needed in 1 year.

Table VI-1: 0-10 Year Recommended Improvements

Priority Year	Diameter [in]	Length [ft]	Location	Recommendation
1	24	953	Industrial Dr. Outfall	Parallel to existing line
1	21	174	1100 E., North of Telegraph	Replace with specified pipe
1	10	2,682	1100 E., North of Telegraph	Parallel to existing line
2	21	723	South 100 E., South of 965 S.	Replace with specified pipe
2	21	1,289	South 100 E., North of 965 S.	Replace with specified pipe
5	10	981	Green Springs Golf Course	Replace by pipe burst
5	10	347	Fairway Dr.	Parallel to existing line
5	6	1,021	Washington Dam Lift Station	New pressure line
5	8-12	13,328	Long Valley	New gravity line
5	8-15	10,902	Sunrise Valley	New gravity line
6	12	2,084	Green Springs Dr.	Parallel to existing line
6	18	480	Millcreek I-15 Crossing	Replace by pipe burst
6	12	5,140	140 W. & 1725 S.	Parallel to existing line
8	15	783	Millcreek	Parallel to existing line
8	10	281	Buena Vista Blvd	Replace with specified pipe
10	10	8,449	Main St. & 100 E.	Parallel to existing line

The last of the improvements to expand the capacity of the existing system is south of the river along 140 West. The existing system in this area suffers from very mild slopes. When this is combined with expected increase in flows from growth already connected to the system and from future areas of Sunrise Valley and Long Valley (albeit some temporarily) There is a significant section that will need more capacity. Starting at the intersection of 1575 South and 300 East heading south along 300 East to Carma Street, then west along Neilson Ranch Road and 1725 South, again heading south along 140 West to Sandia Road/2000 South, and finally west to Alondra Dr. It is recommended that a 12-inch parallel pipe be installed next to the existing pipe along the described roads. Factors including model results, project growth, and anticipated development suggest that this improvement is needed in 6 years.

The last major projects expected in the next 10 years are needed to service Sunrise Valley and Long Valley. Modeling and City expectations on growth local to these areas suggest that these improvements are needed in 5 years. The general needs are for these two areas to be serviced by gravity collection systems that will lead to a major lift station preferably near the future site of the Washington City Wastewater Treatment Plant. While a site for the treatment plant has yet to be determined, one possible site is north of the river in Sunrise Valley. In this scenario, another small lift station may be needed to service a low lying area south of the river and north of Washington Dam Road. A new pressure line would need to be installed from the major lift station to the existing system at Washington Dam Road and 1900 East. Line size is heavily dependent on slope, length, and flow conditions. Some plausible pipe sizes are shown in Figure VI-B. It is anticipated that developers install local system pipe networks which have been assumed to be pipes that are south of Southern Parkway and any pipes smaller than 15-inches in Sunrise Valley.

During further modeling to determine a timeline for the treatment plant, the existing system with the 1900 East lift station and 140 W & 1725 S upgrades was analyzed. This analysis revealed that this flow path can convey an additional 325 gpm. This additional flow is what can be put into the system upstream of the critical pipe and not necessarily flow solely from the lift station. The critical pipe is pipe ID 01205 which is located in Washington Fields Rd. starting at Washington Dam Rd. and ending at 1575 S. This section of pipe has an existing modeled flow of 0.385 cfs. The critical flow in this pipe, the flow where the pipe will not be able to convey wastewater under gravity flow, was measured to be 1.109 cfs. The difference between the base flow and the critical flow is 325 gpm of added flow to the system upstream of this pipe (everything on Washington Dam Rd and east). Using the assumed demand of 250 gpd per person and the census value of 2.88 ppl/household or 2.88 ppl/ERU, a conversion factor of 0.5 gpm/ERU results. Dividing the amount of allowable additional flow (325 gpm) by the conversion factor (0.5 gpm/ERU) results in an allowable additional 650 ERUs going through the critical pipe. Our data shows that there exist 35 residential connections in this area that are not currently serviced by the gravity system but will be serviced by the future lift station. These 35 future connections are to be included in the additional allowable 650 ERUs.

The pervious table highlights recommendations for the 0-10 year time frame. All recommendations are sized for expected buildout flow conditions and are ordered by

priority, or year in which they are anticipated to be constructed. Figure VI-B shows the locations and extent of each of these improvements. These improvements will be used for the impact fee analysis portion of this report.

E. 10-20 YEAR RECOMMENDATIONS

As growth continues after the ten-year mark, the next ten years are anticipated to see the City grow in more outlying areas to the south and east. During the 10-20 year time frame, Washington City should be in need of constructing a City treatment plant and conveying wastewater flows from basins 16, 19, 20, 21, 22 to the new plant. This would cover Warner Valley, Long Valley, Sunrise Valley, and parts of Purgatory Valley. Other projects will be needed to completely accommodate this goal including constructing a lift station in Warner Valley and a conveyance system to route the flow to the treatment plant.

Several main trunk lines that are part of the existing system may be in need of upsizing because of growth within the existing system's limits. No recommendations will be made for Sienna Hills or Coral Canyon communities as they are Planned Community Developments (PCD). PCD systems are designed by the developer based on planned densities and are stipulated to be built to the buildout condition. Washington City does not typically design, size, or construct new sewer lines in PCDs; however, the City maintains the system once it is installed.

The following list is of general upgrades to the sewer system during the 10-20 year time frame and is shown in Figure VI-C.

- City Treatment Plant
- Lift station in Warner Valley
- Upsize Telegraph/Washington Fields Rd. trunk line
- Upsize 2000 S. trunk line
- Upsize 3650 S. and Washington Fields Rd. trunk line
- Upsize Merrill Rd. trunk line

Figure VI-2: Ridge Pointe Lift Station

VII. SYSTEM FINANCIALS

A feasibility analysis of any type of wastewater system requires that a financial analysis be done to determine if the fees and rates are reasonable. This section seeks to explain how recommended improvements are applied to a system's financials by utilizing a cash flow spreadsheet to demonstrate the user rates and impact fees for a specific time period. This section also discusses the methodology in providing opinions of probable cost for the construction of recommended improvements.

A. SYSTEM COST ESTIMATES

The opinion of probable cost calculated for the recommended system improvements specified by this study was formulated by analyzing only the 10-yr analysis. Unit price estimates for each component of the total system were obtained from recent applicable bid tabulations and materials suppliers. The unit prices used are for constructed and/or installed facilities and include costs for materials, labor, equipment and incidentals, based on current construction prices. Material quantities in each of the wastewater collection basins were itemized and the unit costs were applied to the quantities to generate an overall estimate. The 10-yr opinion of probable cost showing the unit costs and material quantities for the improvements is provided in Appendix E.

In determining the material quantities for the 10-yr analysis, pipe segment lengths were taken from GIS data for the designated improvements. It was assumed that manholes would be spaced a maximum of 400 feet apart. The estimates assume 60-inch manholes for all pipe sizes as no pipes larger than 24-inches are recommended. It was also assumed that 33% of the total pipe length would require imported pipe bedding and imported trench backfill. Contingency funds to cover items that are common to wastewater pipe construction projects were taken as 15% of the total pipe and manhole installation cost and added to the system estimate. A groundwater mitigation amount of 10% was added to the 15% construction contingency to cover extra costs incurred by possible groundwater discovered. Standard allowances for quality control and expenses, survey, legal and fiscal expenses, engineering design expenses, GIS system mapping, and future master planning were also included in the opinion of probable cost.

The Long Valley Line Project includes the anticipated cost of constructing a sewer pump station within the next ten years. Procurement of the land upon which the physical facilities would be constructed has not been included in the accounting of master plan facility costs.

B. PROJECT PHASING

Master plan recommended improvements were given a time frame in which the projects are expected to be needed based on growth projections, localized growth in sections of Washington City, and discussions with City personnel. See Table VII-1 showing the year or range of years that the projects are expected to be constructed.

In all cases, the 0-10 year improvements are planned to support continuing growth within the next ten years and are planned for implementation at times when the growing population base can theoretically generate enough revenue to fund the projects. It should be noted that growth in the study area may occur at a rate faster or slower than that predicted in the cash flow analysis. If growth occurs at a faster rate, more funds will be available to construct the projects at an earlier

schedule than that specified by the phasing projections. On the other hand, if growth slows more than expected, implementation of the projects should be delayed until the population base can fund the improvements.

C. WASTEWATER IMPACT FEES

As previously discussed in the system cost estimates subsection, unit prices for each of the master plan facilities were established and applied to material quantities throughout the study area to calculate the engineer's opinion of probable cost for a 10-yr projection. Because Washington City staff have indicated that the existing wastewater system functions adequately under current development conditions, it was assumed that the purpose of all the improvements recommended by this study is to facilitate new growth in the City; all the recommended improvements are therefore eligible for funding through impact fee collection.

As requested by Washington City staff, a 10-year impact fee was calculated to better enable the City to provide the services necessary for growth which is expected to occur within the next 10 years.

ERUs for each sub-basin were calculated during the analysis of the wastewater flow demand for the modeling process. Under existing conditions, and as of 2014, it is estimated that there are 7,822 ERUs within the existing system collection area. The existing ERUs value was derived from sewer lateral data and land use data to achieve an ERU value for each connection per different land use type. The maximum number of potential ERUs at buildout in the study area are estimated to be 130,600 ERUs. After factoring in the percent realized values for each basin, the number of ERUs at buildout in the study area are estimated to be 68,916 ERUs.

Normally, existing debt that was used in the past for growth related projects is also paid for with impact fees. Washington City does not currently have wastewater system related debt to be paid by impact fees.

Several projects are either not fully eligible for impact fees or have a reduced cost to the city.

Table VII-1: Impact Fee Calculations

Contributing Project	Est. Project Cost	Cost (Non-Developer)	Year	Inflated Costs	% Impact Fee Eligible	Impact Fee Eligible Costs
Industrial Road Regional Connection	$ 144,299	$ 144,299	2017	$ 148,628	100%	$ 148,628
South 100 East Replacement (South of 965 S.)	$ 137,342	$ 137,342	2018	$ 145,706	0%	$ -
South 100 East Replacement (North of 965 S.)	$ 201,016	$ 201,016	2018	$ 213,258	0%	$ -
Main St Parallel Line	$ 1,101,145	$ 1,101,145	2026	$ 1,479,847	100%	$ 1,479,847
Millcreek Parallel Lines	$ 65,301	$ 65,301	2024	$ 82,721	100%	$ 82,721
Buena Vista Blvd to I-15 Crossing Replacement Lines	$ 368,946	$ 368,946	2022-2024	$ 453,757	100%	$ 453,757
Green Springs Parallel Lines	$ 496,295	$ 496,295	2021-2022	$ 583,908	100%	$ 583,908
1100 East Parallel and New Lines	$ 379,353	$ 379,353	2017	$ 390,734	92%	$ 358,384
2000 South-Summerfield Lane-1725 South Parallel Line	$ 694,872	$ 694,872	2022	$ 829,714	95%	$ 791,779
Long Valley Line to Lift Station	$ 1,340,835	$ 426,432	2021	$ 494,352	100%	$ 494,352
Sunrise Valley Line to Lift Station	$ 1,009,526	$ 415,252	2021	$ 481,391	100%	$ 481,391
1900 E Lift Station	$ 180,600	$ 180,600	2021	$ 209,365	95%	$ 198,091
IFFP Updates	$ 80,000	$ 80,000	2021, 2026	$ 100,128	100%	$ 100,128
					Total Impact Fee Eligible	$ 5,172,986
					New ERUs	5,275
					Impact Fee Amount	$ 980.66

Both 100 East projects are to address existing deficiencies and are not eligible for impact fee funding. The 21-inch line on 1100 East is needed to address an existing deficiency. One pipe length (approximately 250 feet) is undersized as part of the 2000 South-Summerfield Lane project resulting in 5% of that project not being impact fee eligible. The 1900 East lift station project is only 95% eligible because some existing ERUs will be serviced in addition to future growth.

All of the improvements in Long Valley and Sunrise Valley are fully eligible for impact fee funding; however, it is expected that developers will complete local portions of the collection system. The local portion of the collection system in Long Valley is assumed to be everything south of Southern Parkway. In Sunrise Valley the local collection system is assumed to be everything that is smaller in pipe size than 15-inches. These costs are shown in the "Non-Developer Cost" column in Table VII 1.

The investigation of a consistent impact fee for the entire city was completed by totaling the 10-yr engineer's opinion of probable cost and dividing it by the respective net projected ERU increases to determine the impact fee that could be charged. It is recommended that the City adopt an impact fee which would be applied consistently throughout the City. The current average impact fee is near $1,159. This report recommends a maximum impact fee of $980.66. Table VII-1 illustrates the results.

$$\frac{\$5{,}172{,}986}{5{,}275\ ERU} = \$980.66\ per\ ERU$$

When impact fees are collected, they will be spent on projects within the 6-year period as required by the State of Utah.

The impact fee charged by the City of St. George to all new residential equivalent users of the regional wastewater treatment facility is $909. Any future alterations to the existing fee will be determined by administrators of the regional facilities. As the accounting system currently operates, impact fees assessed for use of regional facilities collected by Washington City are passed directly to the City of St. George. This fee should continue to be assessed independently of the Washington City fees as has been done in the past

Regarding the inspection fee, Washington City has an ordinance that the City will not provide a wastewater connection; the developer or property owner has the responsibility to bring a lateral to the lot from the wastewater main. This, however, does not eliminate the cost to the City to provide the connection inspection or clerical work to set up the required bookkeeping reports. The 2009 Wastewater Collection System Master Plan Update prepared by Sunrise Engineering, Inc. identified that the 2005 Wastewater Collection System Master Plan specified $150 per connection as the recommended inspection fee and the City has enacted an ordinance enabling them to charge that fee. No effort has been made by this study to re-evaluate the fee. It should be noted that by law the inspection fee is entirely independent from the wastewater system impact fee. It is recommended that the City continue charging the inspection fee as has been done heretofore.

D. SYSTEM USER RATES

i. USER RATE CALCULATIONS

Washington City charges each connection to the sewer system a user rate in order to use the utility. This rate is defined per ERU, with 1 ERU equaling 6,000 gallons of average monthly water usage measured December through February.

Table VII-3: Existing Sewer Base Rates

Current Rates	Base Rate
Sewer Collection	$12.65
Sewer Lift	$6.27
Sewer Treatment	$7.50

Using the financial information developed for this report in Appendix E (Cash Flow), a new City-wide collection user rate has been calculated. The financial data from fiscal year 2016 was used as a base line for expenses and debt. Two large capital expenses were prorated for 25 years. All operating expenses including salaries, benefits, adjusted capital project costs, etc. summed to a total of $1,310,096.02.

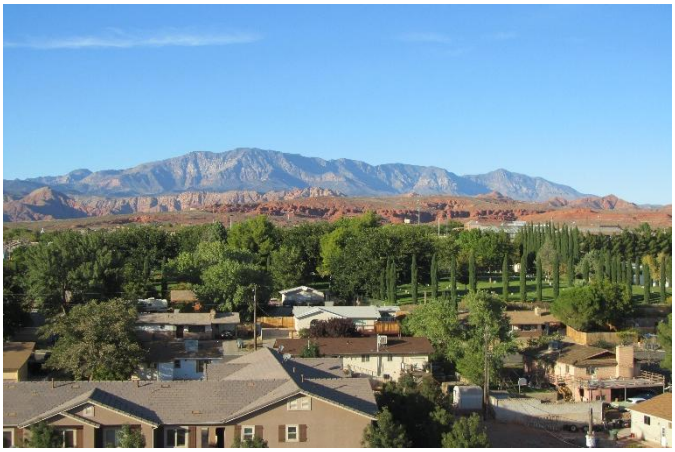
- System Operating Cost = $1,310,096.02
- Billable ERUs = 10,679
- Resulting System Rate = $10.22

Table VII-2: User Rate Calculations

OPERATING EXPENSES		TOTAL
Salaries	$	508,919.36
Employee Benefits	$	299,047.85
Utilites	$	34,914.10
Professional Services	$	58,439.67
Repairs and Maintenance	$	33,920.31
Miscellaneous	$	7,043.57
Supplies	$	69,851.39
Administrative Costs	$	98,997.00
Capital Expenses	$	198,962.77
Total	$	1,310,096.02
EXISTING DEBT SERVICE		**TOTAL**
Sewer Revenue Bond (1999; $3,356,000; 2.0%)	$	-
Reserve for 1999 Sewer Bond	$	-
Estimated Percentage Not Impact Fee Eligible		0%
Total	$	-
NEW DEBT SERVICE		**TOTAL**
Bond A	$	-
Reserve for Bond A	$	-
Estimated Percentage Not Impact Fee Eligible		0%
Total	$	-
GRAND TOTAL EXPENSES	$	1,310,096.02
ANNUAL		**TOTAL**
Total Number of ERUs (2016)		10,679
Average Monthly Wastewater User Rate/ERU	$	10.22

RECOMMENDED MONTHLY SYSTEM USER RATES

Area	Base Rate	Surcharge		Total
		St. George	Pump Sta.	
No Lift Station	$ 10.22	$ 7.50	$ -	$ 17.72
Lift Station	$ 10.22	$ 7.50	$ 5.03	$ 22.75



All users serviced by a lift station are billed a unified rate based on the current rate structure for Washington City.

- Operating Cost = $98,160.00 (Table VII-4)
- 1,625 Users
- Resulting Lift Station Rate = $5.03

Table VII-4: Lift Station Costs

LIFT STATION	UTILITIES	O&M	CHEMICAL	RENTAL
Coral Canyon	$ 18,000.00	$ 12,000.00	$ 22,500.00	$ 7,800.00
Sienna Hills	$ 4,900.00	$ 7,000.00		
Highland Park	$ 4,200.00	$ 7,000.00		
Ridge Pointe	$ 800.00	$ 13,200.00		
Propane cost for all lift stations:		$ 760.00		
			Total Cost	$98,160.00

Table VII-5: Lift Station User Rate Calculation

Total Costs	$ 98,160.00
Total Users	1625
Annual Cost per User	$ 60.41
Monthly Cost per User	$ 5.03

Adding the St. George Regional Wastewater Treatment Plant surcharge of $7.50, the total recommended user rate for a resident of Washington City without a lift station is $17.72. For a resident serviced by a lift station the total recommended user rate is $22.75.

The proposed lift station user rate is $1.24 lower than the existing rate and the proposed collection user rate is $2.43 lower than the existing rate.

Currently the City rate structure defines a wastewater ERU as "6,000 gallons average monthly water usage measured [in] December, January, and February." This value was investigated by reviewing the available usage data from the most recent years. The average winter monthly use during these months was 6,650 gallons. If the City decides to change the existing ordinance, this information should be considered when revising the definition of a wastewater ERU.

ii. Treatment Rate Billing Method

We recommend the City assess fees as described above to pay for the expenses incurred by the wastewater system. In the future, the City may also want to consider a fee associated with wastewater effluent. Since treatment is through St. George City this would be coordinated with them and other stakeholders participating in the regional treatment plant. To the subject of a new ordinance and method of billing the commercial and industrial wastewater users, we researched other cities and wastewater districts in Utah and southern Nevada. As Washington City is a stakeholder in the regional treatment plant operated by St. George City, it would not make sense to enforce a new billing method without regional support from the other stakeholders in the regional treatment plant.

Several entities were researched for their billing methods and other procedures surrounding the billing of non-residential wastewater connections: Logan, Utah; Salt Lake City, Utah; Provo, Utah; and Clark County (Nevada) Water Reclamation District; Phoenix, Arizona; and Albuquerque, New Mexico. Each one charged users differently, but all had a pretreatment program to educate, reduce, and enforce wastewater-billing charges. Such a program would establish a permit system, require the use of grease traps, and test wastewater for non-residential users. It is intended that the non-residential users solely fund this program. The overall goal is to reduce grease, organic matter, and solids, thus reducing the operation costs of the treatment plant.

- Logan, Utah
  - Billed a base rate plus metered rate
  - Metered rate is based on 75% of water use
- Salt Lake City, Utah
  - 7 customer classes based on biological oxygen demand (BOD), total suspended solids (TSS), and flow
  - Each class billed different rates by tested BOD and TSS
  - Flow rate based on winter water use
  - Highest class billed by metered wastewater flow
- Provo, Utah
  - Billing based on water connection size
- Clark County Water Reclamation District
  - Billed by customer classification
  - Each class has a billing unit and an ERU factor
  - Billing equals the billing units multiplied by the ERU factor multiplied by the ERU equivalent cost of $221.09
  - Enforce an extra strength surcharge based on BOD, TSS, total phosphorous (TP), and nitrate nitrogen (NH3-N)
- Phoenix, Arizona
  - Rate changes inside vs. outside of city
  - $19.53 charge for having a grease entrapment system
  - Customer classes based on strength of sewage
  - Billed on approximately 80% (varies by classification) of water use
- Albuquerque, New Mexico
  - Fixed rate based on water meter size
  - Volumetric rate based on 95% water use or 100% sewer meter flow
  - Enforce an extra strength surcharge

E. CASH FLOW ANALYSIS

A wastewater utility cash flow analysis for a 20-year projection was completed to show how the 10-yr improvements projects could be implemented, to analyze the continued viability of adopted user rates, and to show possible trends in impact fee and cash fund balances. Initial data for the cash flow analysis was taken from fiscal year 2012 and 2013 Washington City audits as well as budget outlines provided by City staff for two years thereafter. Values projected through the analysis are based on growth, interest, and inflation trends determined during the process of the study. It should be noted that the analysis is a general forecast only and will vary with the speed and pattern of development in the City. The entire cash flow analysis printout is given in Appendix E.

The upper section of the cash flow printout, entitled "Wastewater System Data", contains the basic data upon which many of the values in the cash flow spreadsheet are generated. Of particular note are the projected population growth trends, the assumed inflation rates, user rates, impact fees and inspection fees, and the projected ERU quantities for the coming fiscal years. Most of the revenue and expense increases in later parts of the cash flow spreadsheet are generated from the initial fees, rates, and ERU values based on the assumed growth and inflation rates.

The next section of the cash flow spreadsheet is the utilities revenues section. This section seeks to quantify all revenues generated by the utility, whether through impact fees, user rate assessments, interest earned on deposited funds, etc.

The following section is the utility expenses section which seeks to quantify all the expenses incurred by the wastewater utility. Included in the expenses section are the operation and maintenance costs, existing debt service costs and new debt service costs. The difference between the total revenues and total expenses is the net cash flow for the utility.

Total revenues and total expenses are then broken down into impact fee and cash fund categories. This was done to help show adequate funds would be available over the course of the projection period.

Included at the end of the cash flow analysis is a system improvement implementation schedule for the next twenty years which shows how the master plan improvements projects were incorporated into the cash flow analysis.

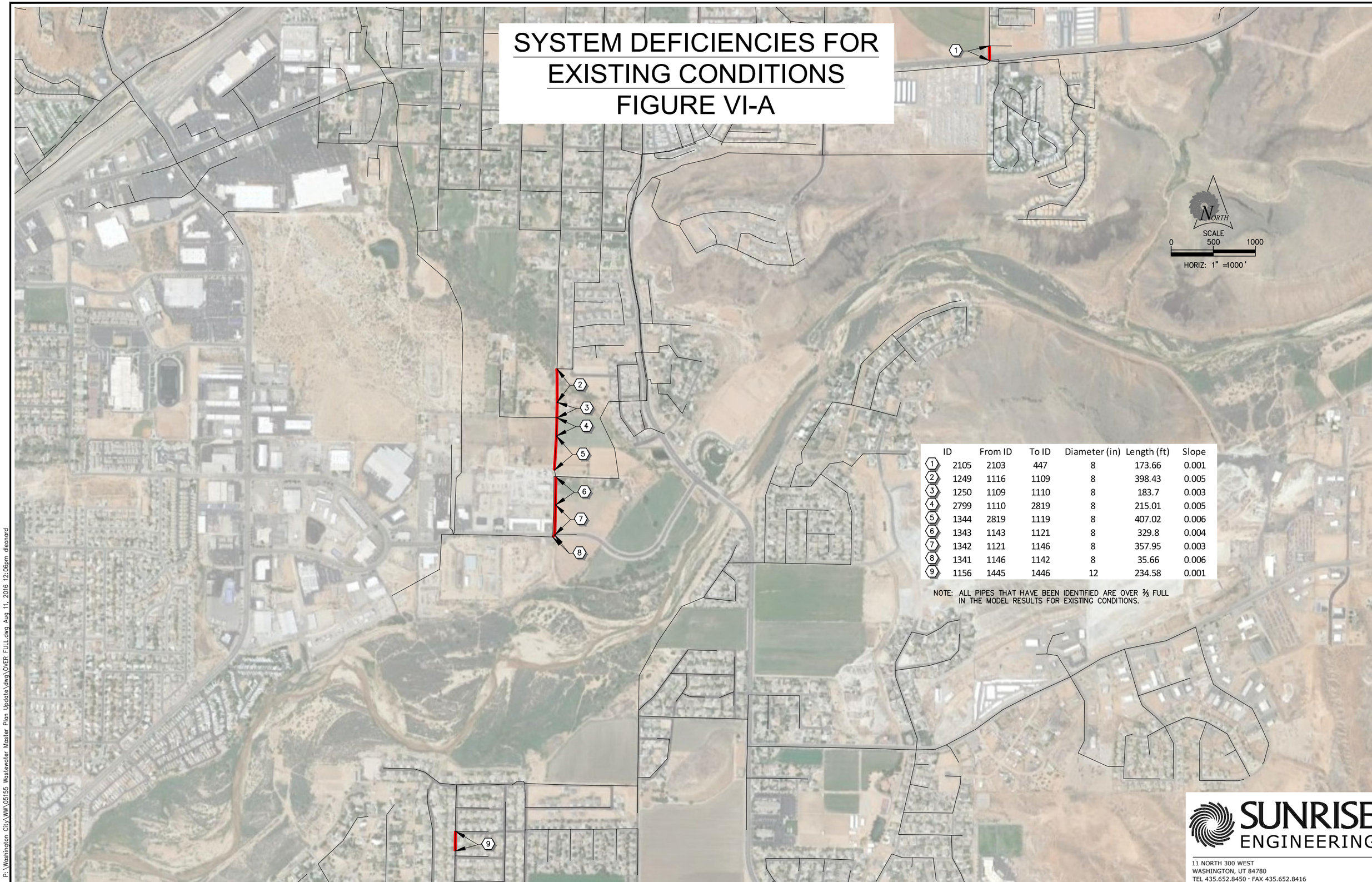
It is also notable that an accounting for funded depreciation has been included in the cash flow analysis. In addition to these real expenses, growth of the cash fund total is continuous through the end of the projection period. It is expected that all of these items will be used for the replacement of the wastewater system as it becomes necessary over its expected 40-50 year life. It is recommended that, wherever possible, the City invest excess cash funds into accounts that return dividends greater than the ongoing inflation rate.

APPENDIX A

Figures and Maps

FigVI-A	System Deficiencies
FigVI-B	0-10 Year Improvements
FigVI-C	10-20 Year Improvements
Map 1	Study Area
Map 2	Collection Basins
Map 3	Land Use
Map 4	Existing System Pipe Size
Map 5	Model Results – Existing Depth vs. Diameter
Map 6	Model Results – Existing Flow
Map 7	Model Results – Option A Depth vs. Diameter
Map 8	Model Results – Option A Flow
Map 9	Option A Buildout Recommendations
Map 10	Model Results – Option B Depth vs. Diameter
Map 11	Model Results – Option B Flow
Map 12	Option B Buildout Recommendations

SYSTEM DEFICIENCIES FOR EXISTING CONDITIONS
FIGURE VI-A



	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope
1	2105	2103	447	8	173.66	0.001
2	1249	1116	1109	8	398.43	0.005
3	1250	1109	1110	8	183.7	0.003
4	2799	1110	2819	8	215.01	0.005
5	1344	2819	1119	8	407.02	0.006
6	1343	1143	1121	8	329.8	0.004
7	1342	1121	1146	8	357.95	0.003
8	1341	1146	1142	8	35.66	0.006
9	1156	1445	1446	12	234.58	0.001

NOTE: ALL PIPES THAT HAVE BEEN IDENTIFIED ARE OVER ⅔ FULL IN THE MODEL RESULTS FOR EXISTING CONDITIONS.

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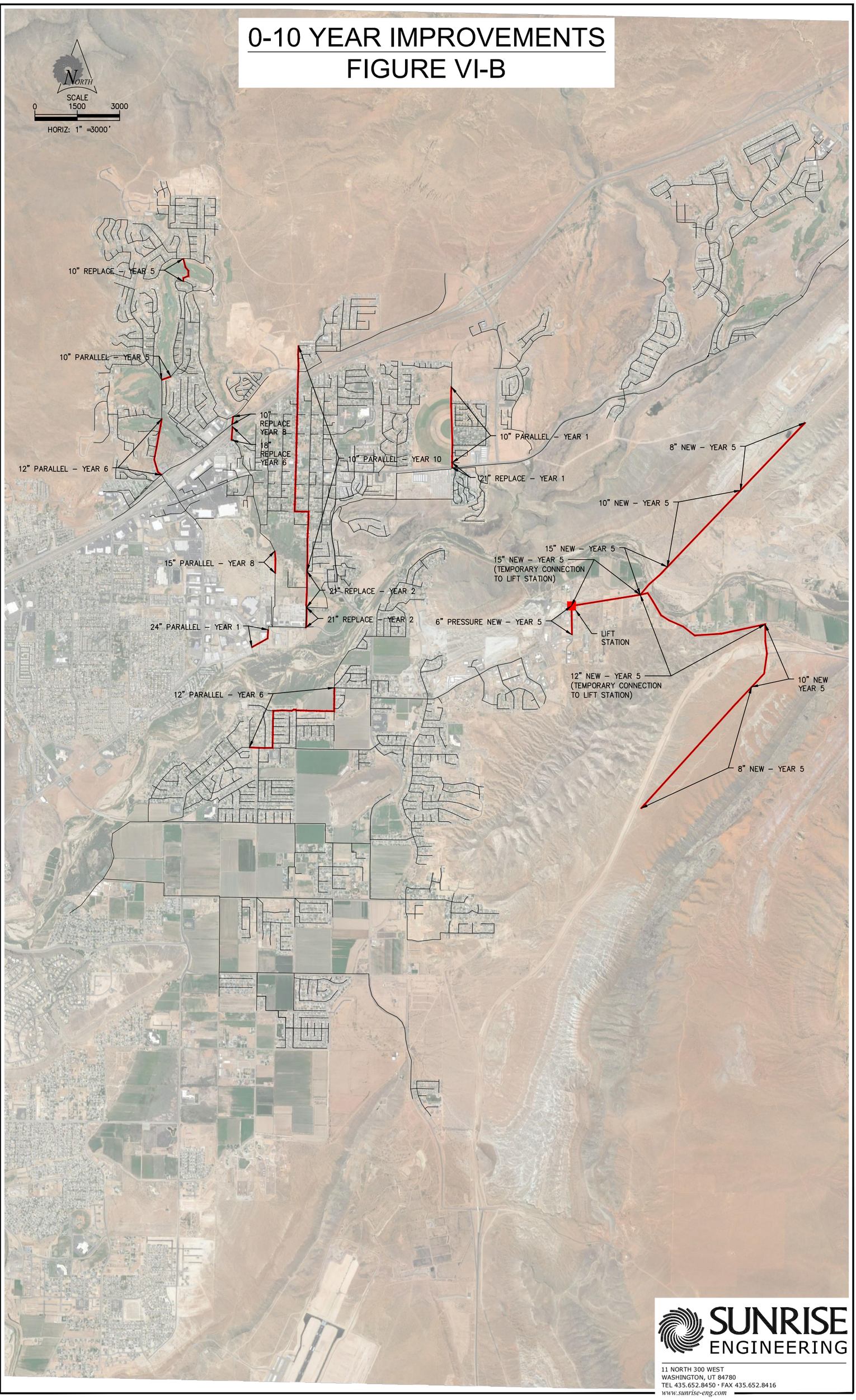
0-10 YEAR IMPROVEMENTS
FIGURE VI-B



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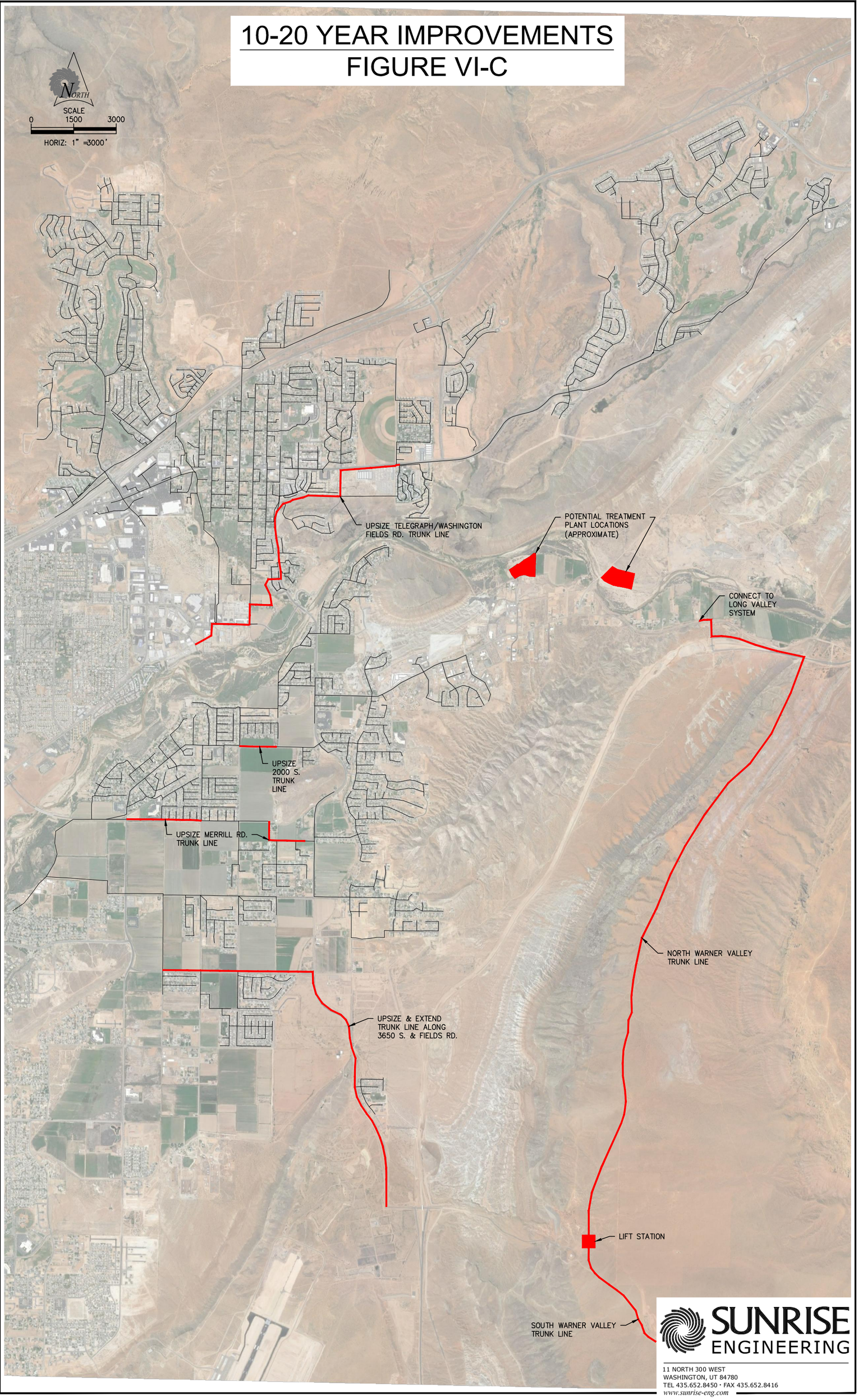
10-20 YEAR IMPROVEMENTS
FIGURE VI-C



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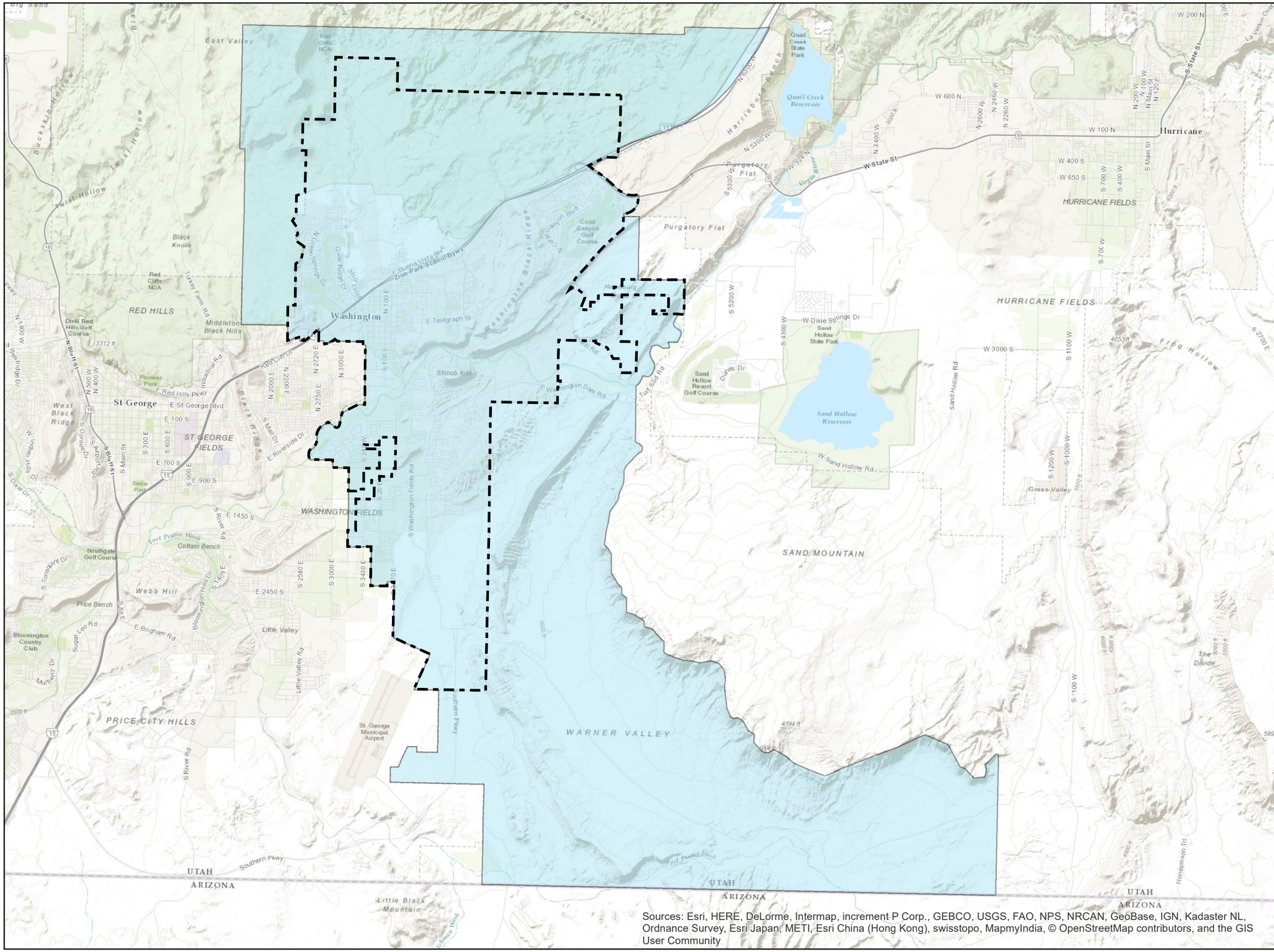

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MAP LEGEND

NORTH

0 4,000 8,000
Feet
1 in = 8,000 feet

Current City Boundary

Study Boundary

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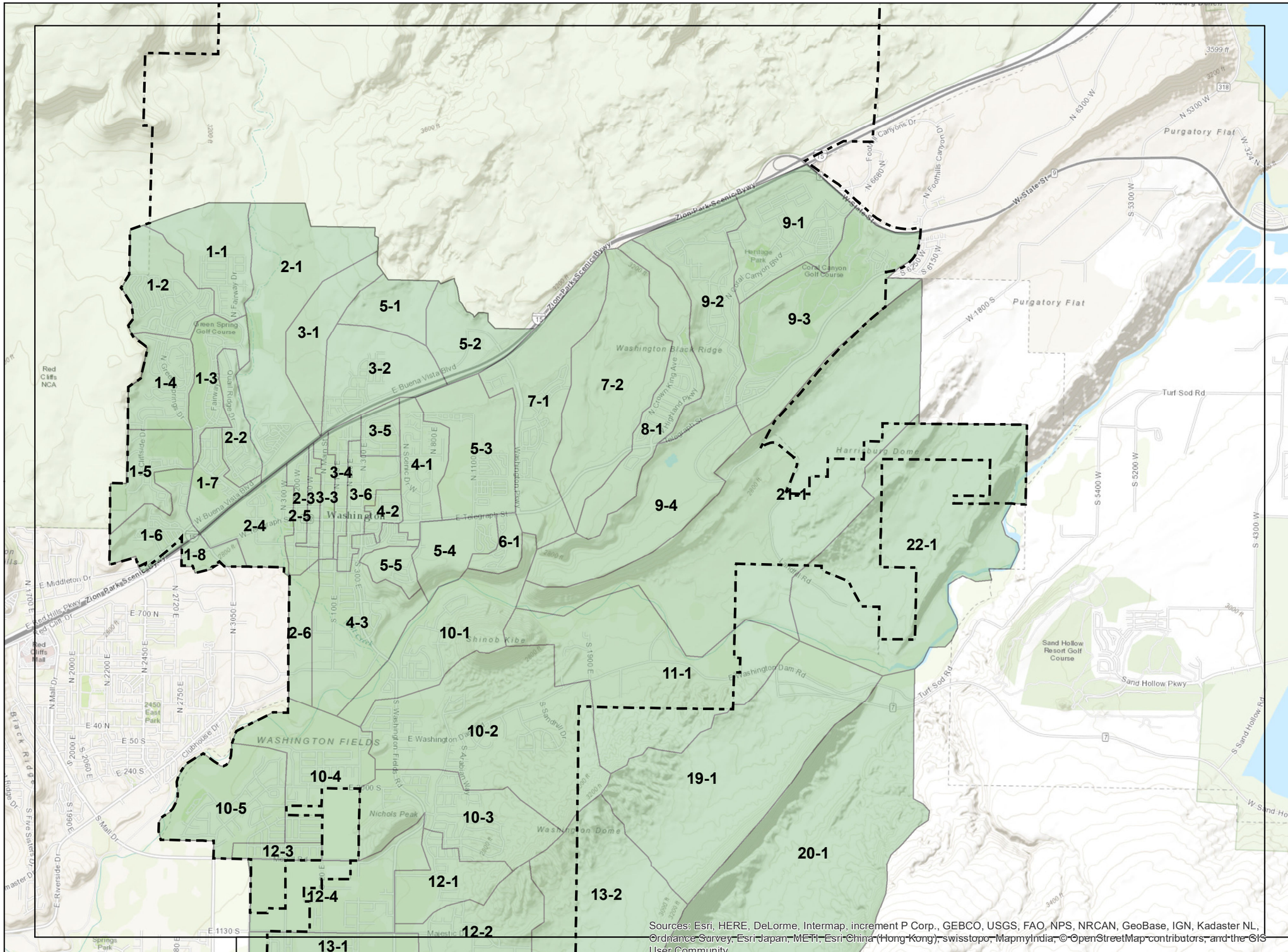
WASTEWATER MASTER PLAN

STUDY AREA

SEI NO.	DESIGNED	DRAWN	CHECKED	
05155	KCS	KCS	SBH	**MAP 1**



MAP LEGEND

NORTH

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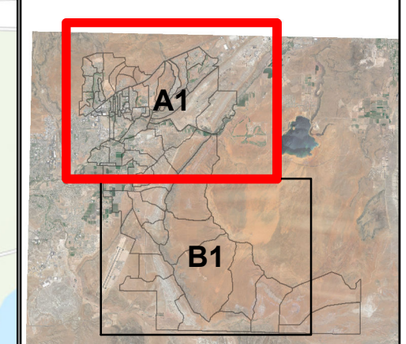
Feet
1 in = 3,500 feet

- Map Grid
- City Boundary
- Collection Basins



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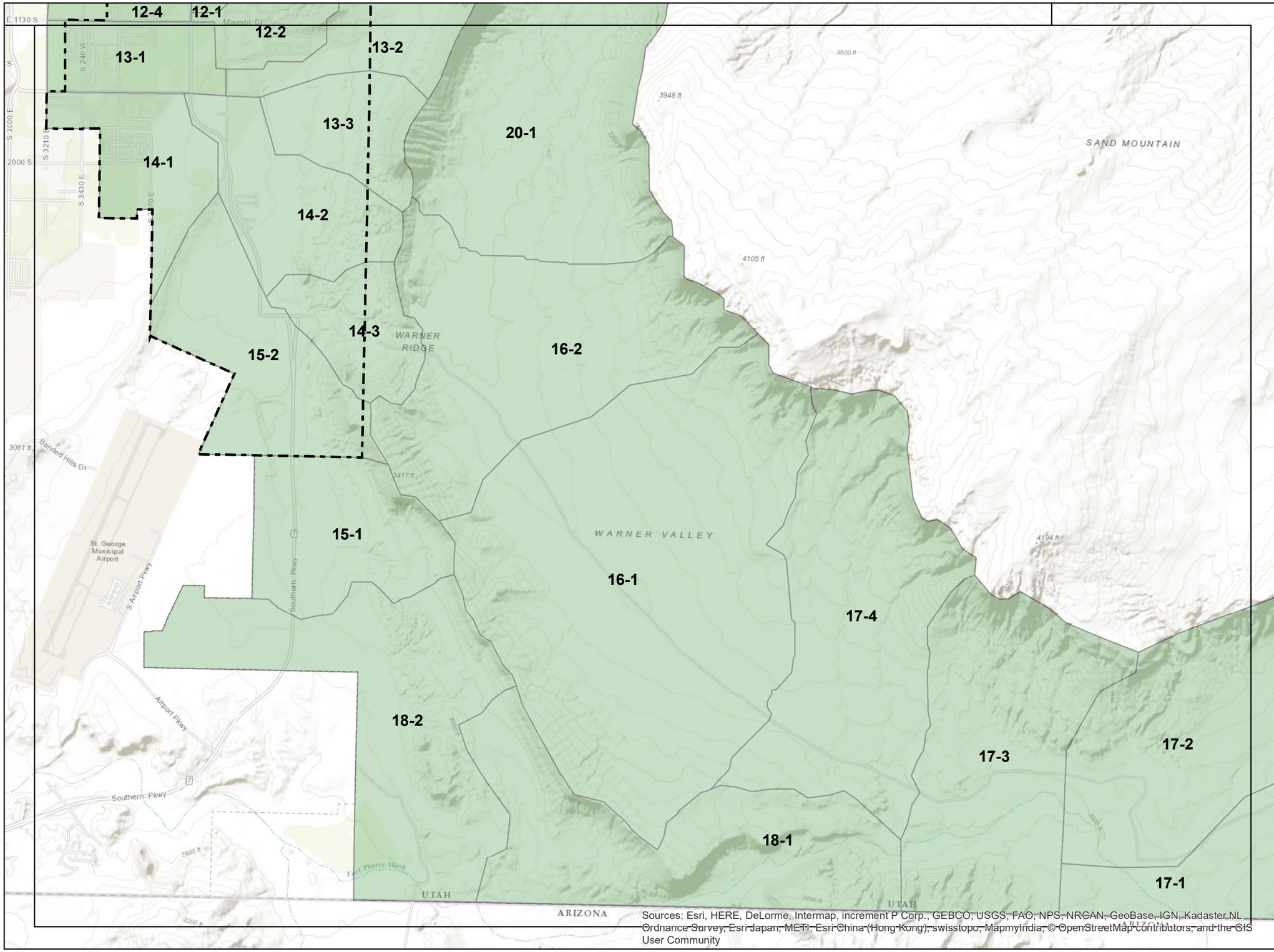
WASTEWATER MASTER PLAN

COLLECTION BASINS

SEI NO.	DESIGNED	DRAWN	CHECKED	
05155	KCS	KCS	SBH	MAP 2-A1



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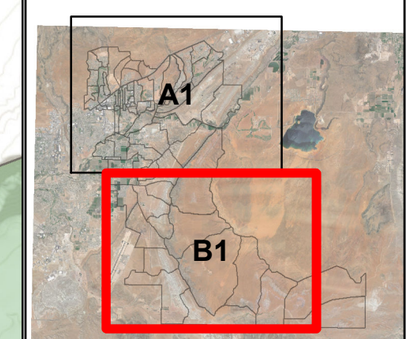
MAP LEGEND

NORTH

0 1,750 3,500
Feet
1 in = 3,500 feet

- Map Grid
- City Boundary
- Collection Basins



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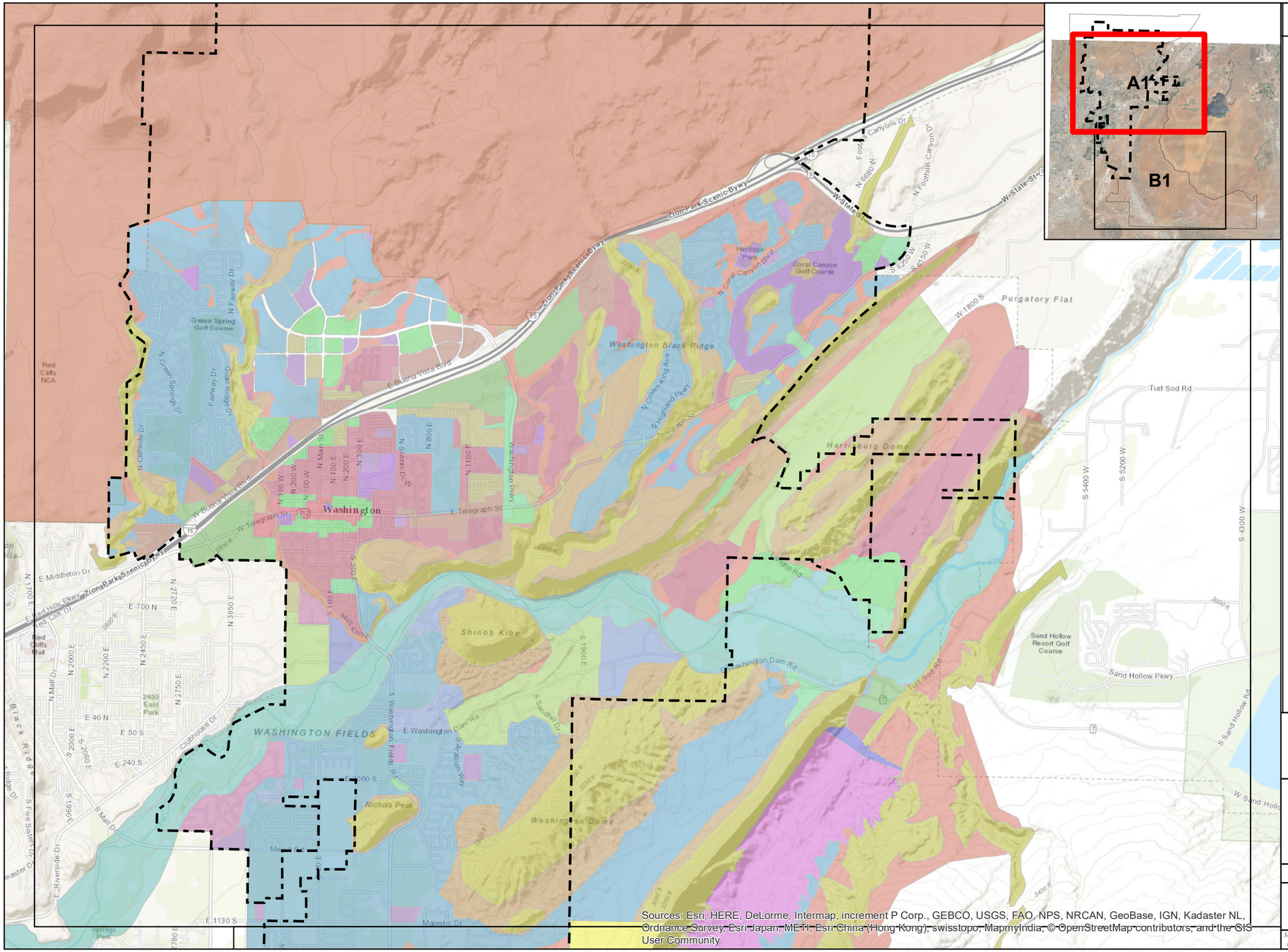
WASTEWATER MASTER PLAN

COLLECTION BASINS

SEI NO.	DESIGNED	DRAWN	CHECKED	
05155	KCS	KCS	SBH	MAP 2-B1



MAP LEGEND

NORTH

0 1,750 3,500
Feet
1 in = 3,500 feet

- Map Grid
- City Boundary

Land Use Categories

- Business
- Civic
- Community Commercial
- Estate
- High Density
- Hillside Protection Zone
- Historic Downtown
- Industrial
- Low Density
- Medium Density
- Medium High Density
- Undevelopable Hillside Zone
- Neighborhood Commercial
- Open Space
- Park
- Pond
- Regional Commercial
- Very Low Density
- Virgin River 100 Year Flood Zone
- Virgin River Erosion Hazard Zone
- Warner Reservoir Dam
- ACEC
- Warner Valley Reservoir

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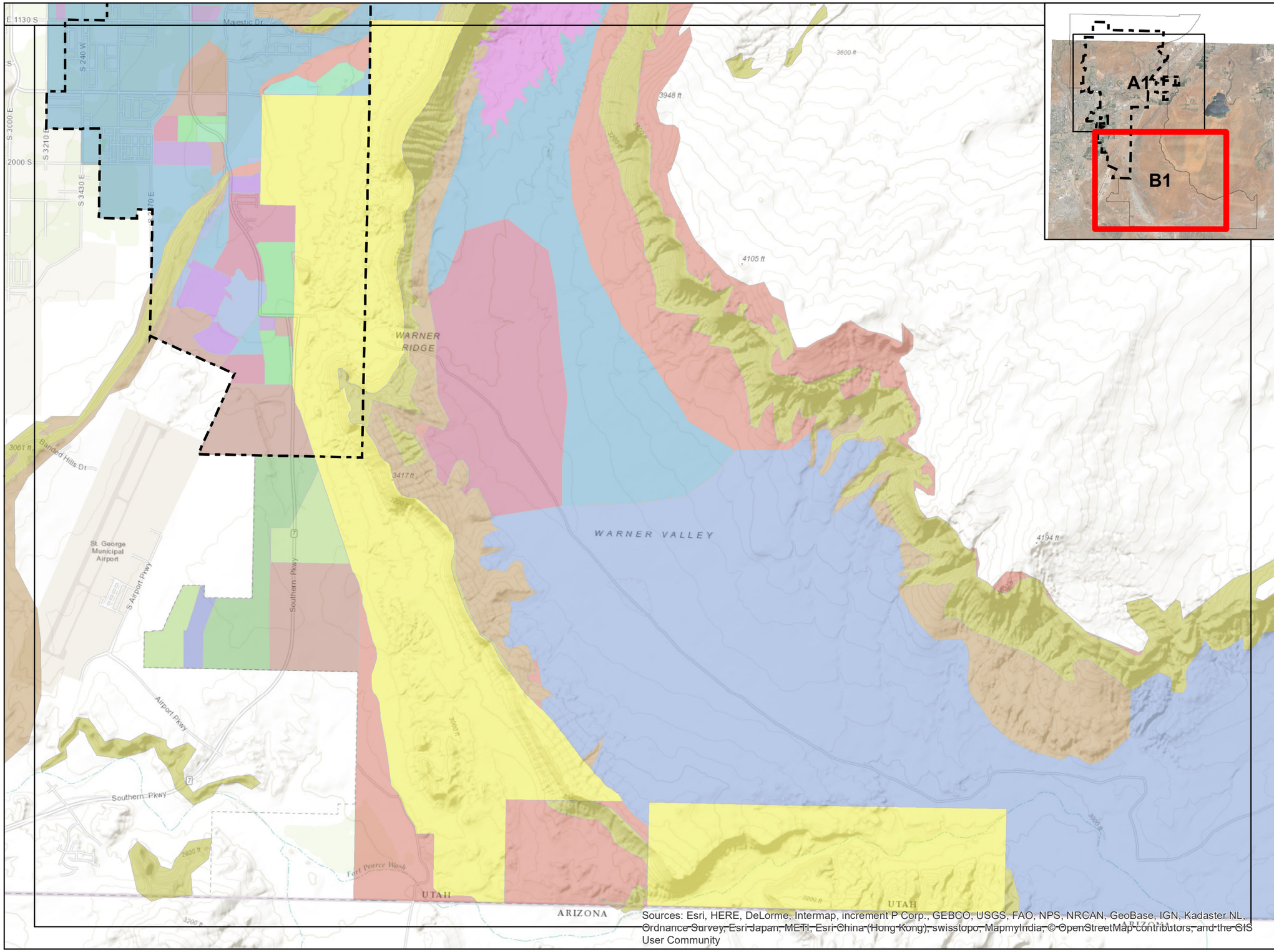
WASTEWATER MASTER PLAN

LAND USE CATEGORIES

SEI NO.	DESIGNED	DRAWN	CHECKED	
05155	KCS	KCS	SBH	MAP 3-A1



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MAP LEGEND

NORTH

0 1,750 3,500
Feet
1 in = 3,500 feet

- Map Grid
- City Boundary

Land Use Categories

- Business
- Civic
- Community Commercial
- Estate
- High Density
- Hillside Protection Zone
- Historic Downtown
- Industrial
- Low Density
- Medium Density
- Medium High Density
- Undevelopable Hillside Zone
- Neighborhood Commercial
- Open Space
- Park
- Pond
- Regional Commercial
- Very Low Density
- Virgin River 100 Year Flood Zone
- Virgin River Erosion Hazard Zone
- Warner Reservoir Dam
- ACEC
- Warner Valley Reservoir

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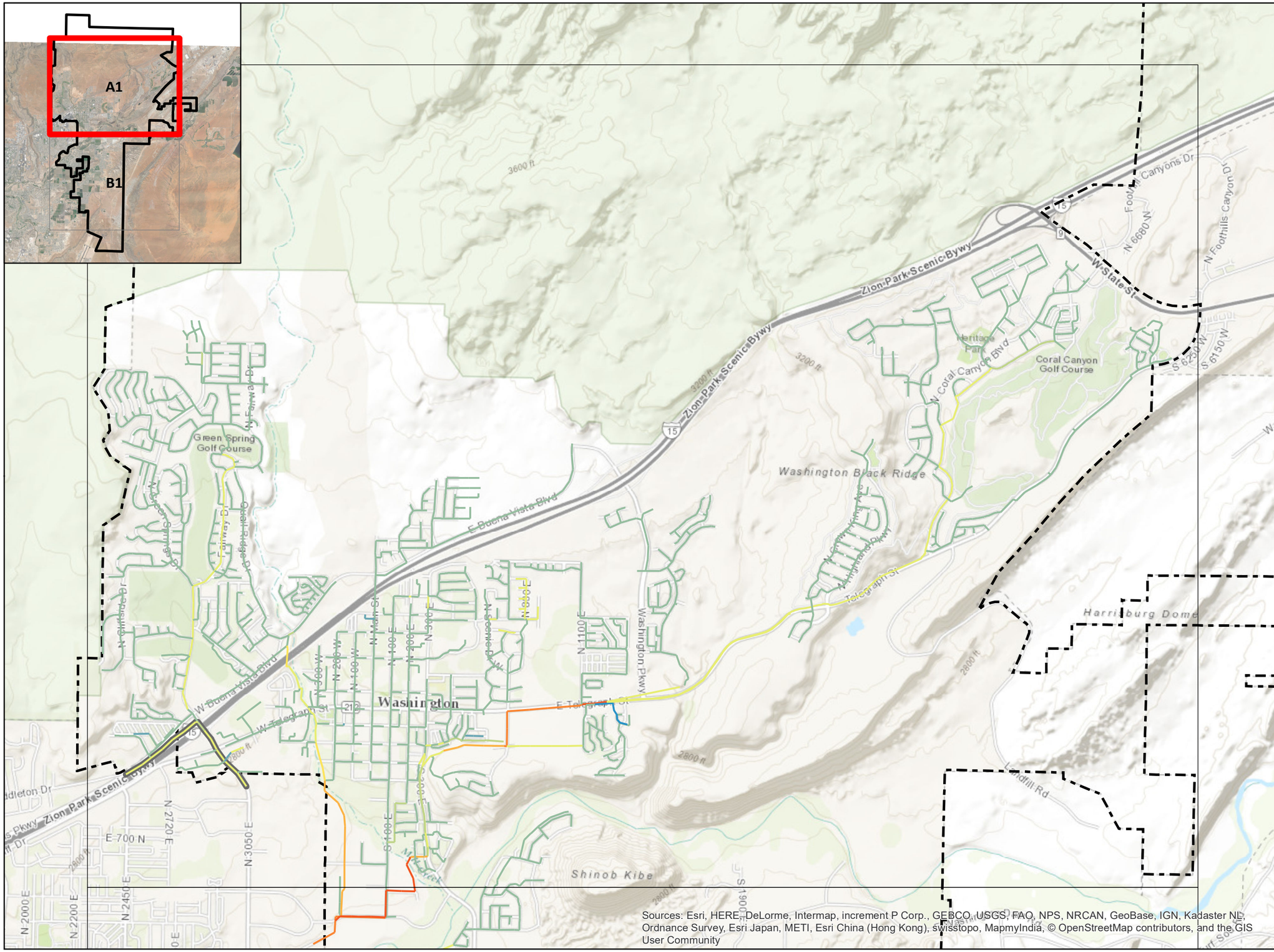
WASTEWATER MASTER PLAN

LAND USE CATEGORIES

SEI NO.	DESIGNED	DRAWN	CHECKED	
05155	KCS	KCS	SBH	MAP 3-B1



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MAP LEGEND

NORTH

0 1,250 2,500
Feet
1 in = 2,500 feet

- Map Grid
- City Boundary
- Regional Lines

Pipe Diameter

- 4"
- 6"
- 8"
- 10"
- 12"
- 14"
- 15"
- 18"
- 21"
- 24"

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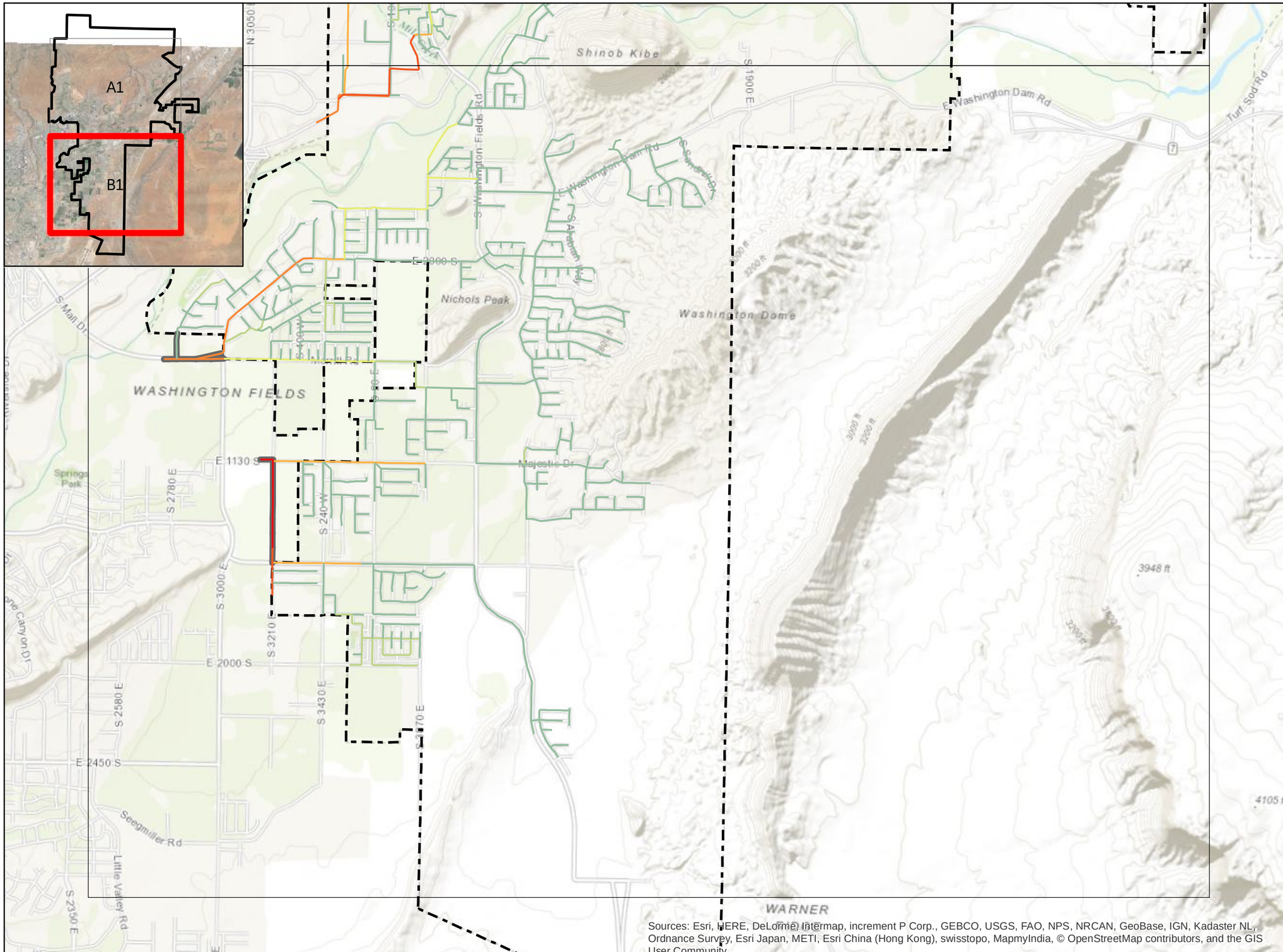
WASTEWATER MASTER PLAN

EXISTING SYSTEM
PIPE SIZE

JEI NO.	DESIGNED	DRAWN	CHECKED	
05155	KCS	KCS	SBH	MAP 4-A1



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MAP LEGEND

NORTH

0 1,250 2,500
Feet
1 in = 2,500 feet

- Map Grid
- City Boundary
- Regional Lines

Pipe Diameter

- 4"
- 6"
- 8"
- 10"
- 12"
- 14"
- 15"
- 18"
- 21"
- 24"

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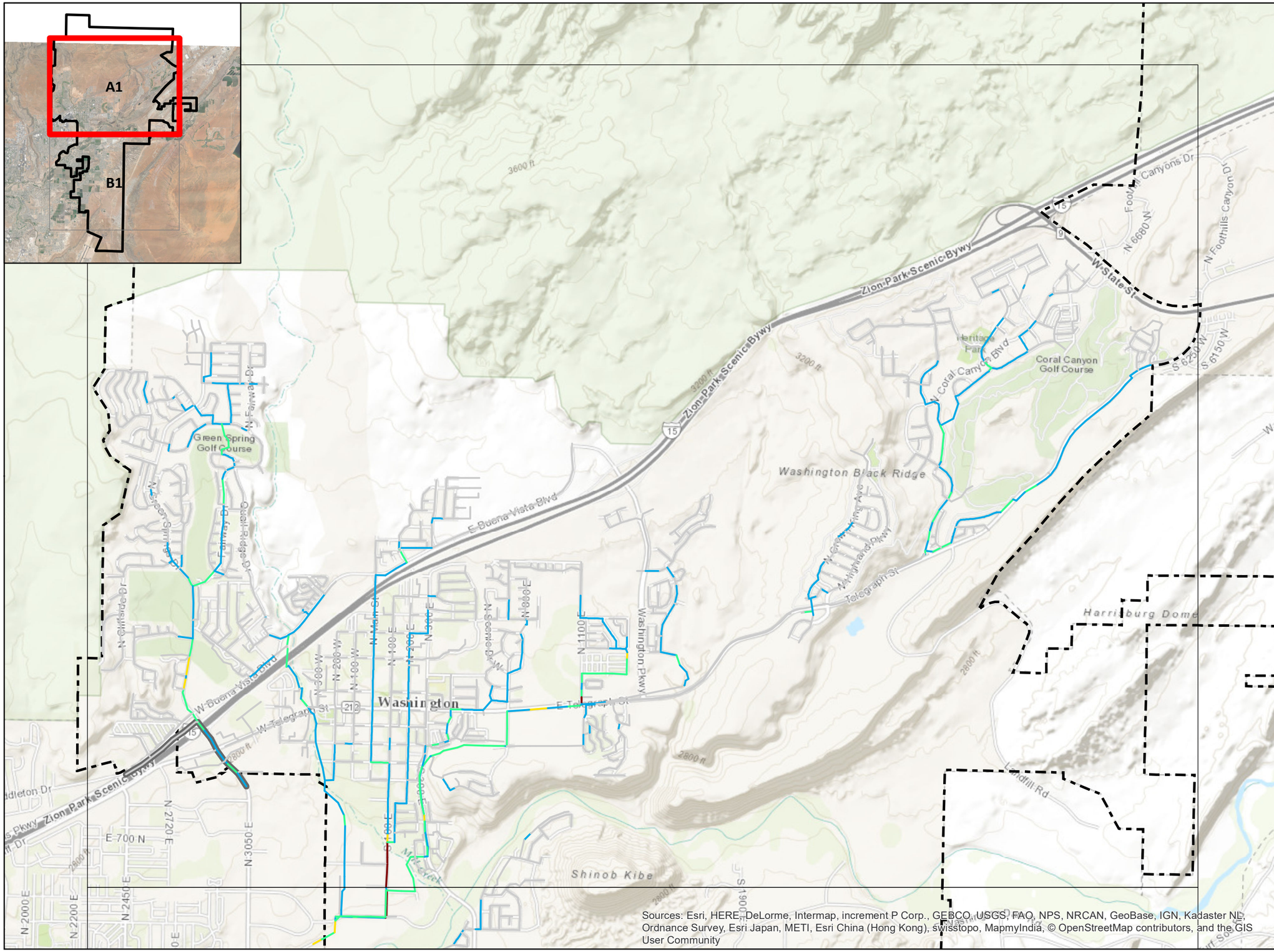
WASTEWATER MASTER PLAN
EXISTING SYSTEM
PIPE SIZE

SEI NO.	DESIGNED	DRAWN	CHECKED	
05155	KCS	KCS	SBH	MAP 4-B1



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

MAP LEGEND

NORTH

0 1,250 2,500
Feet
1 in = 2,500 feet

- Map Grid
- City Limits
- Regional Lines

Depth vs. Diameter

- 0.00 - 0.15
- 0.15 - 0.33
- 0.33 - 0.50
- 0.50 - 0.667
- 0.667 - 1.00

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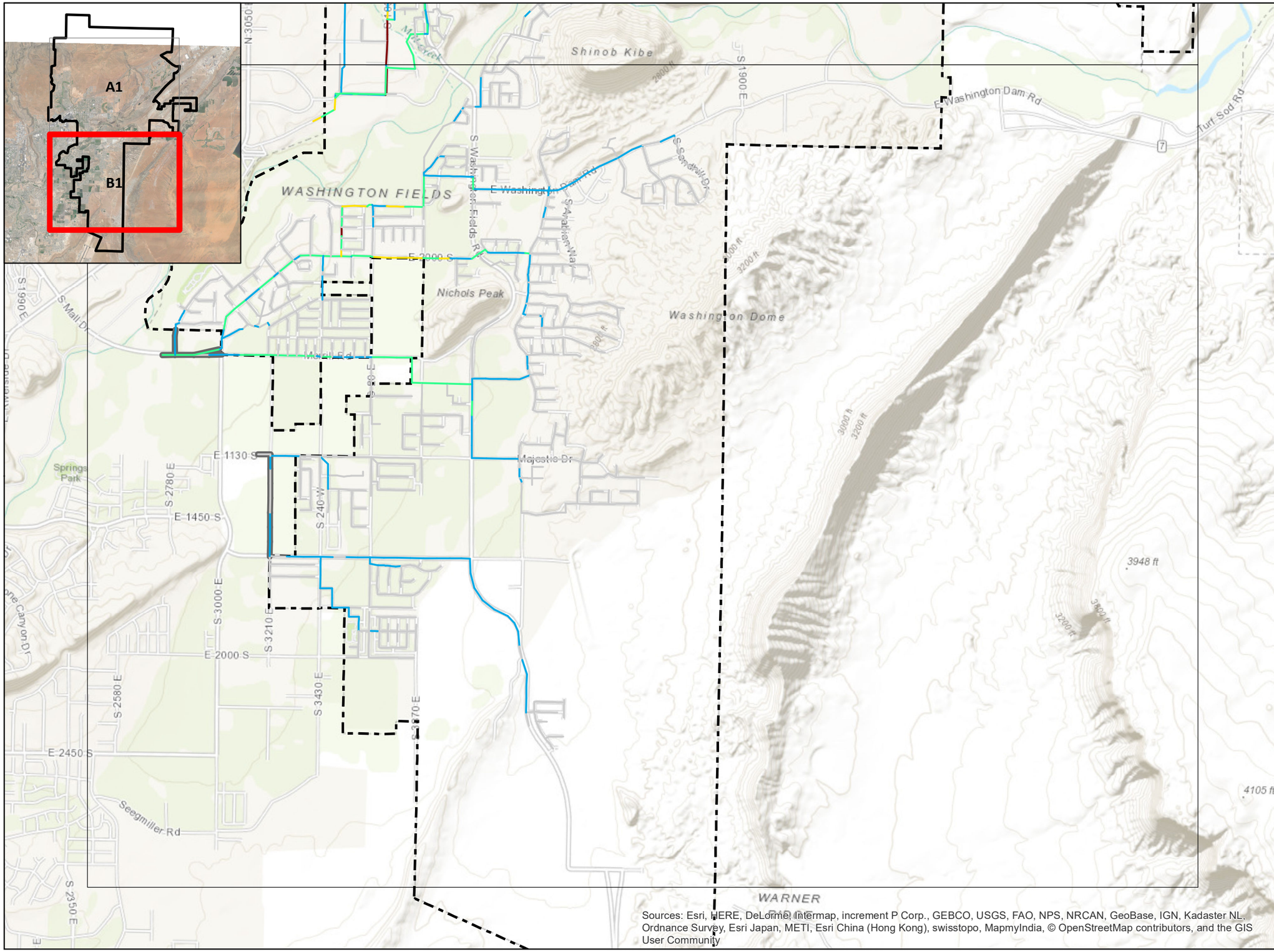
WASTEWATER MASTER PLAN
EXISTING SYSTEM MODEL RESULTS
DEPTH VS. DIAMETER

SEI NO.	DESIGNED	DRAWN	CHECKED	
05155	KCS	KCS	SBH	MAP 5-A1



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

MAP LEGEND

0 1,250 2,500
Feet
1 in = 2,500 feet

- Map Grid
- City Limits
- Regional Lines

Depth vs. Diameter

- 0.00 - 0.15
- 0.15 - 0.33
- 0.33 - 0.50
- 0.50 - 0.667
- 0.667 - 1.00

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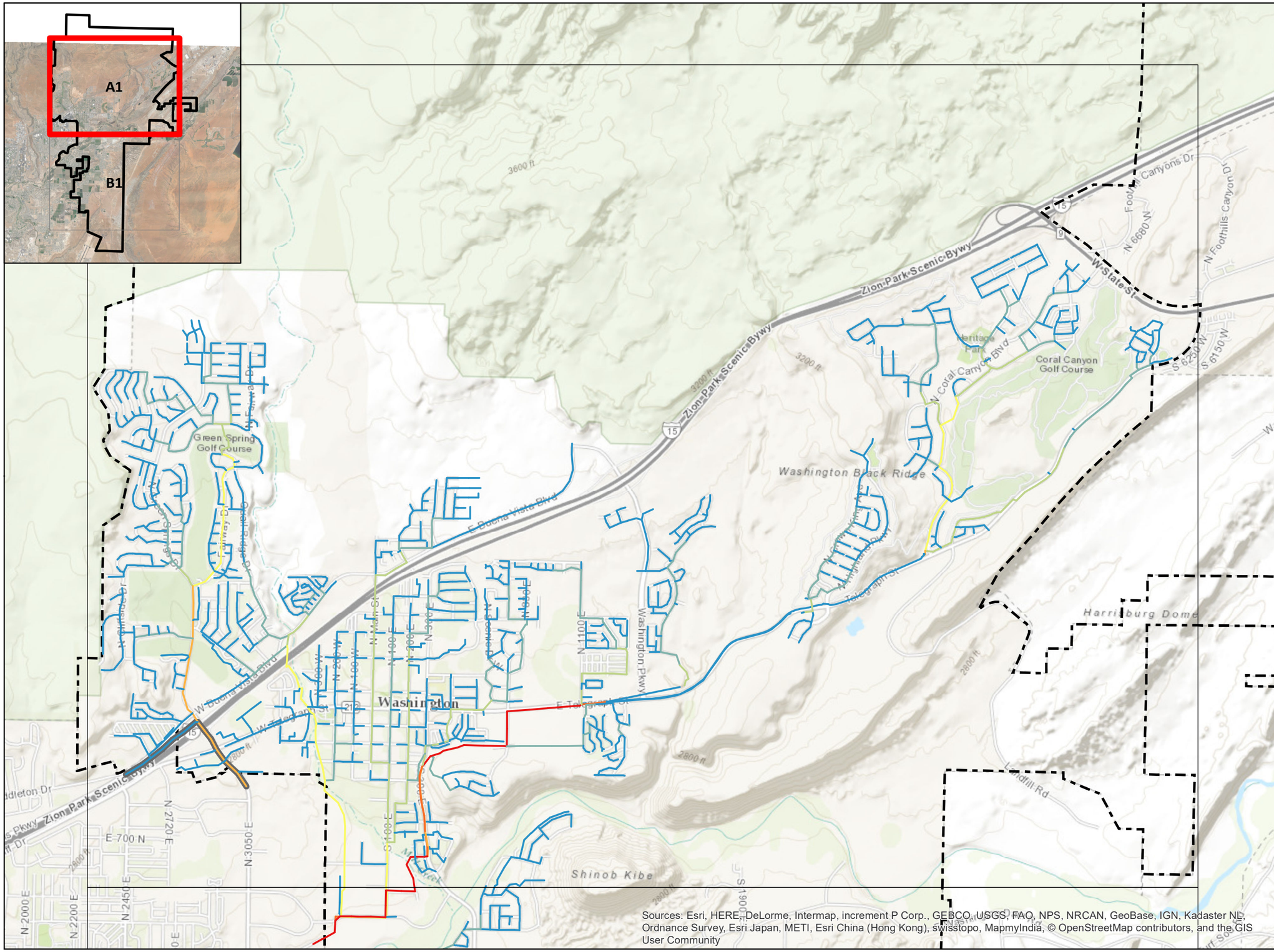
WASTEWATER MASTER PLAN
EXISTING SYSTEM MODEL RESULTS
DEPTH VS. DIAMETER

JEI NO.	DESIGNED	DRAWN	CHECKED	
05155	KCS	KCS	SBH	**MAP 5-B1**



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

MAP LEGEND

NORTH

0 1,250 2,500
Feet
1 in = 2,500 feet

- Map Grid
- City Limits
- Regional Lines

Total Flow

- 0.0 - 0.05 cfs
- 0.05 - 0.2 cfs
- 0.2 - 0.5 cfs
- 0.5 - 1.0 cfs
- 1.0 - 1.5 cfs
- 1.5 - 2.0 cfs
- 2.0 - 4.8 cfs

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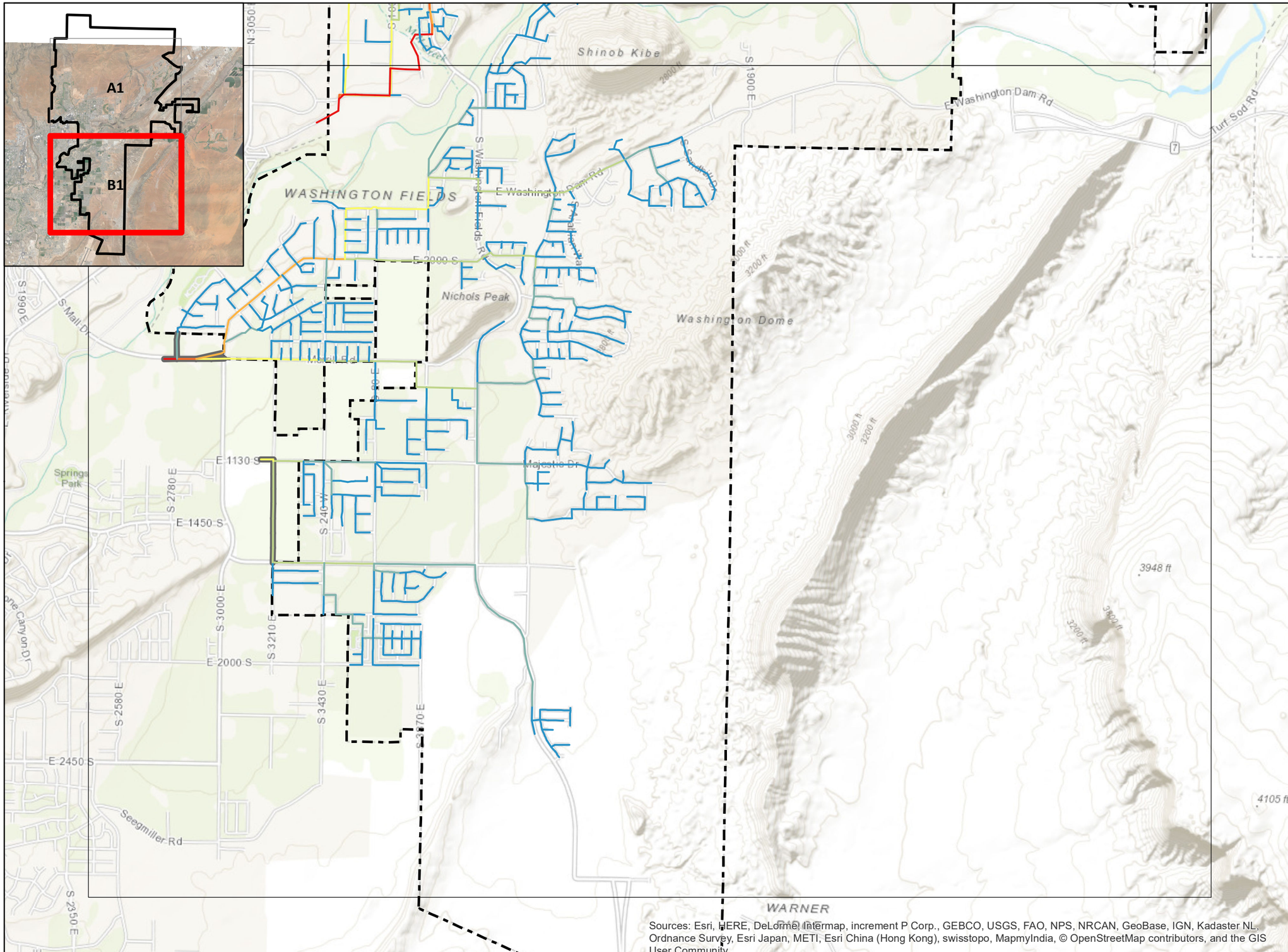
WASTEWATER MASTER PLAN
EXISTING SYSTEM MODEL RESULTS
TOTAL FLOW

JEI NO.	DESIGNED	DRAWN	CHECKED	
05155	KCS	KCS	SBH	MAP 6-A1



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

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1 in = 2,500 feet

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- City Limits
- Regional Lines

Total Flow

- 0.0 - 0.05 cfs
- 0.05 - 0.2 cfs
- 0.2 - 0.5 cfs
- 0.5 - 1.0 cfs
- 1.0 - 1.5 cfs
- 1.5 - 2.0 cfs
- 2.0 - 4.8 cfs

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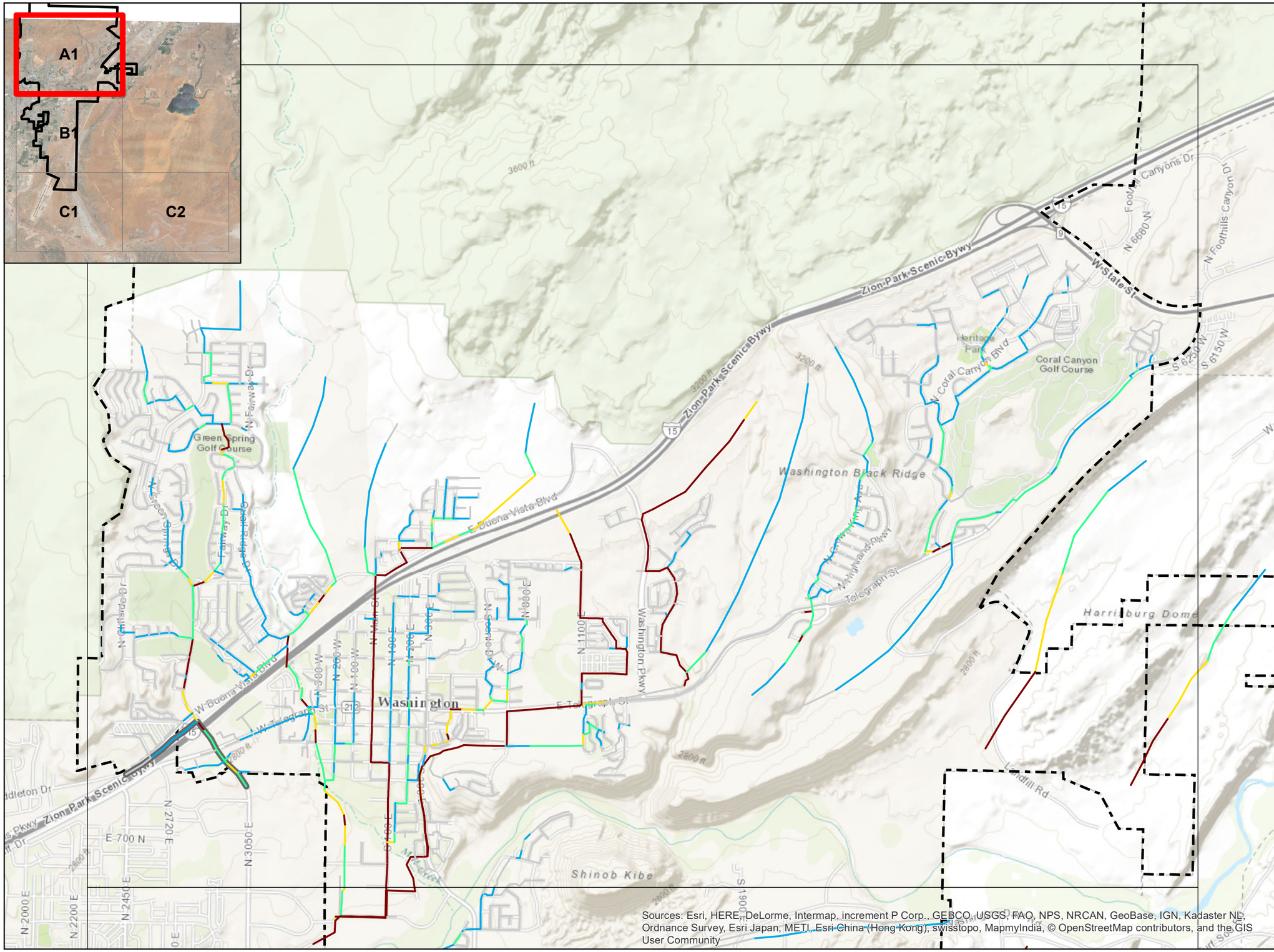
WASTEWATER MASTER PLAN
EXISTING SYSTEM MODEL RESULTS
TOTAL FLOW

SEI NO.	DESIGNED	DRAWN	CHECKED	
05155	KCS	KCS	SBH	MAP 6-B1



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MAP LEGEND

NORTH

0 1,250 2,500
Feet
1 in = 2,500 feet

- Map Grid
- City Limits
- Regional Lines

Depth vs. Diameter

- 0.00 - 0.15
- 0.15 - 0.33
- 0.33 - 0.50
- 0.50 - 0.667
- 0.667 - 1.00

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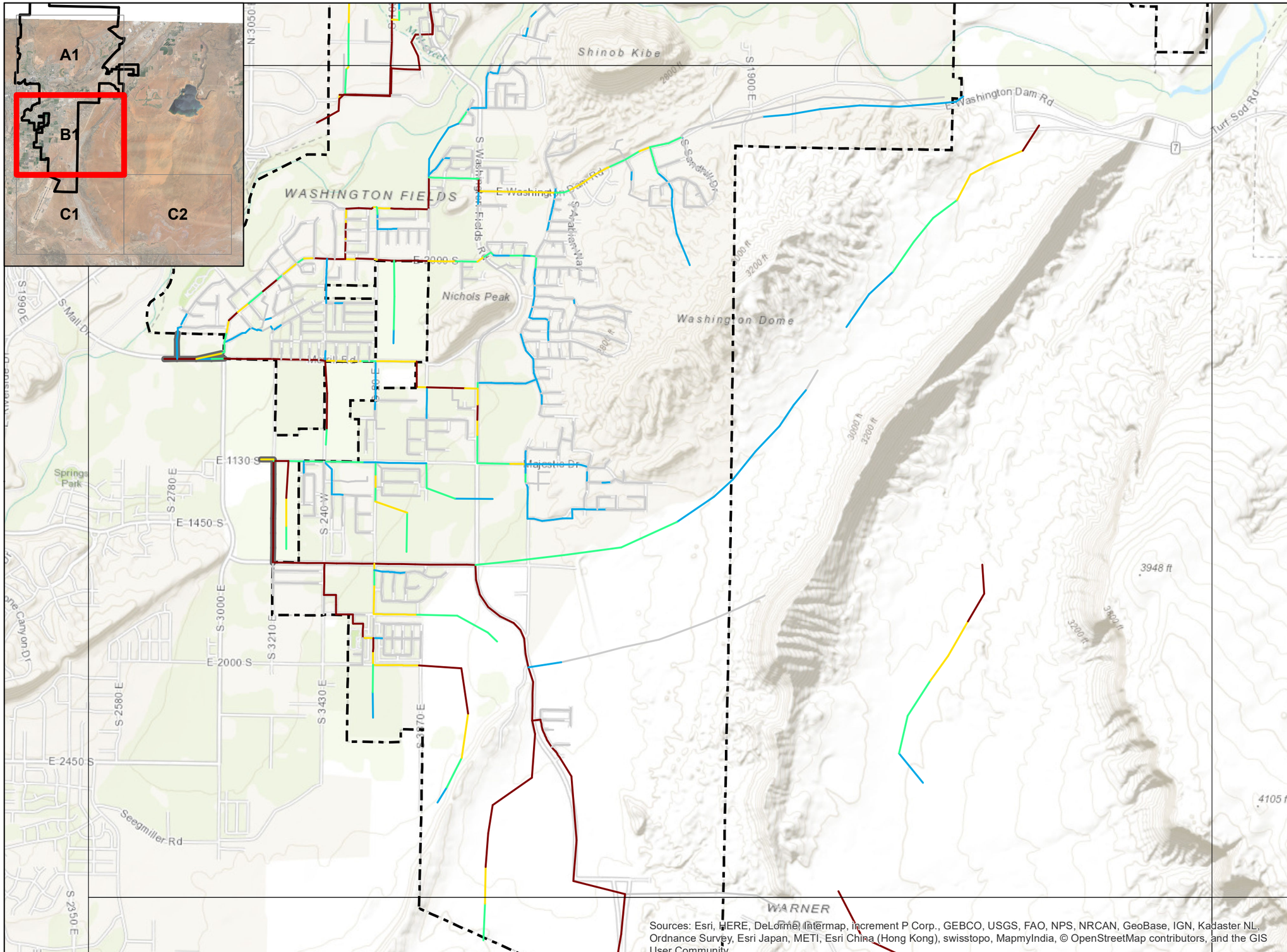
WASTEWATER MASTER PLAN

FUTURE SYSTEM MODEL RESULTS - OPT A
DEPTH VS. DIAMETER

JEI NO.	DESIGNED	DRAWN	CHECKED	
05155	KCS	KCS	SBH	MAP 7-A1



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

MAP LEGEND

0 1,250 2,500
Feet
1 in = 2,500 feet

- Map Grid
- City Limits
- Regional Lines

Depth vs. Diameter

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- 0.50 - 0.667
- 0.667 - 1.00

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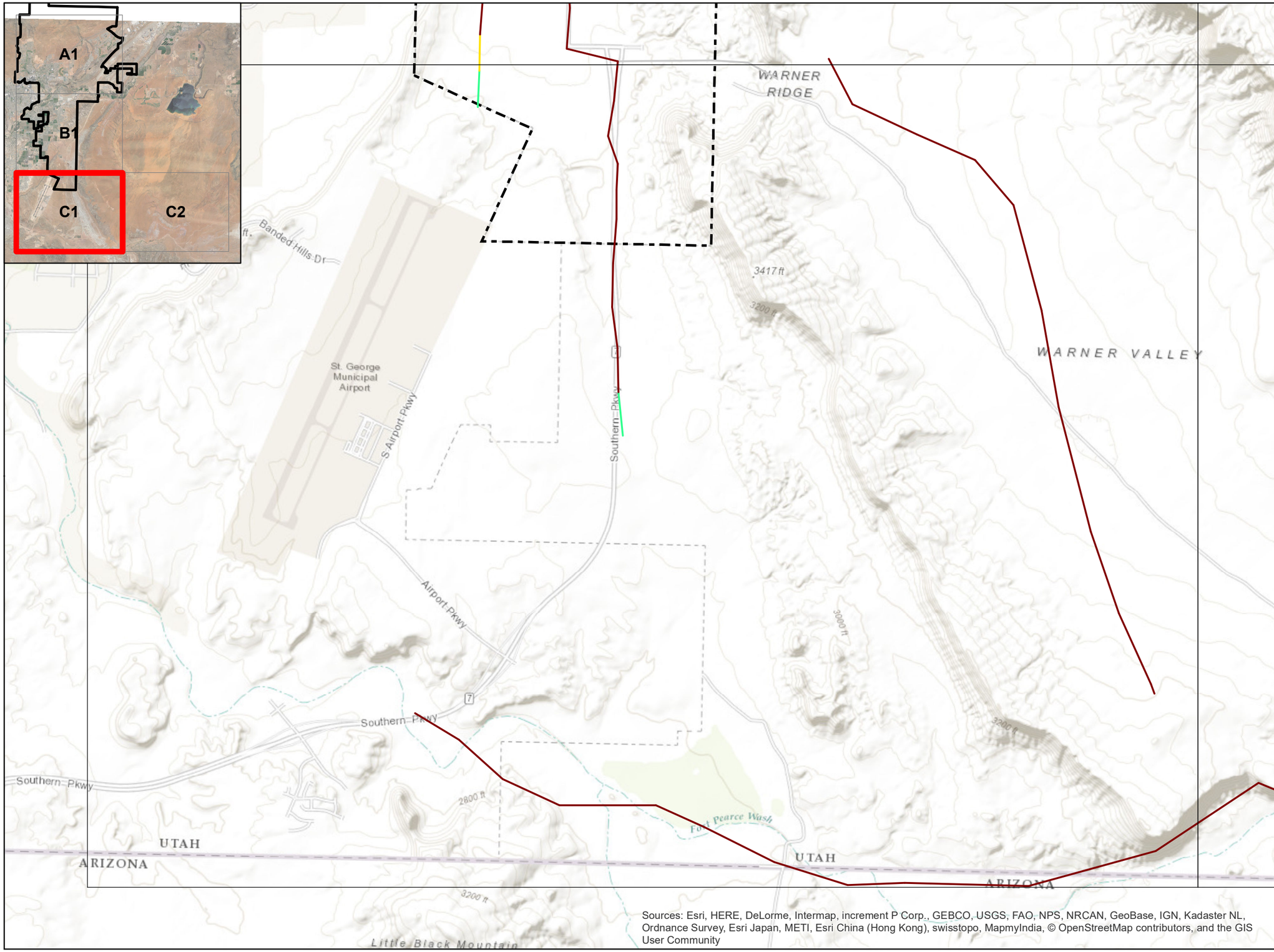
WASTEWATER MASTER PLAN

FUTURE SYSTEM MODEL RESULTS - OPT A
DEPTH VS. DIAMETER

SEI NO.	DESIGNED	DRAWN	CHECKED	
05155	KCS	KCS	SBH	**MAP 7-B1**



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

MAP LEGEND

NORTH

0 1,250 2,500
Feet
1 in = 2,500 feet

- Map Grid
- City Limits
- Regional Lines

Depth vs. Diameter

- 0.00 - 0.15
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- 0.50 - 0.667
- 0.667 - 1.00

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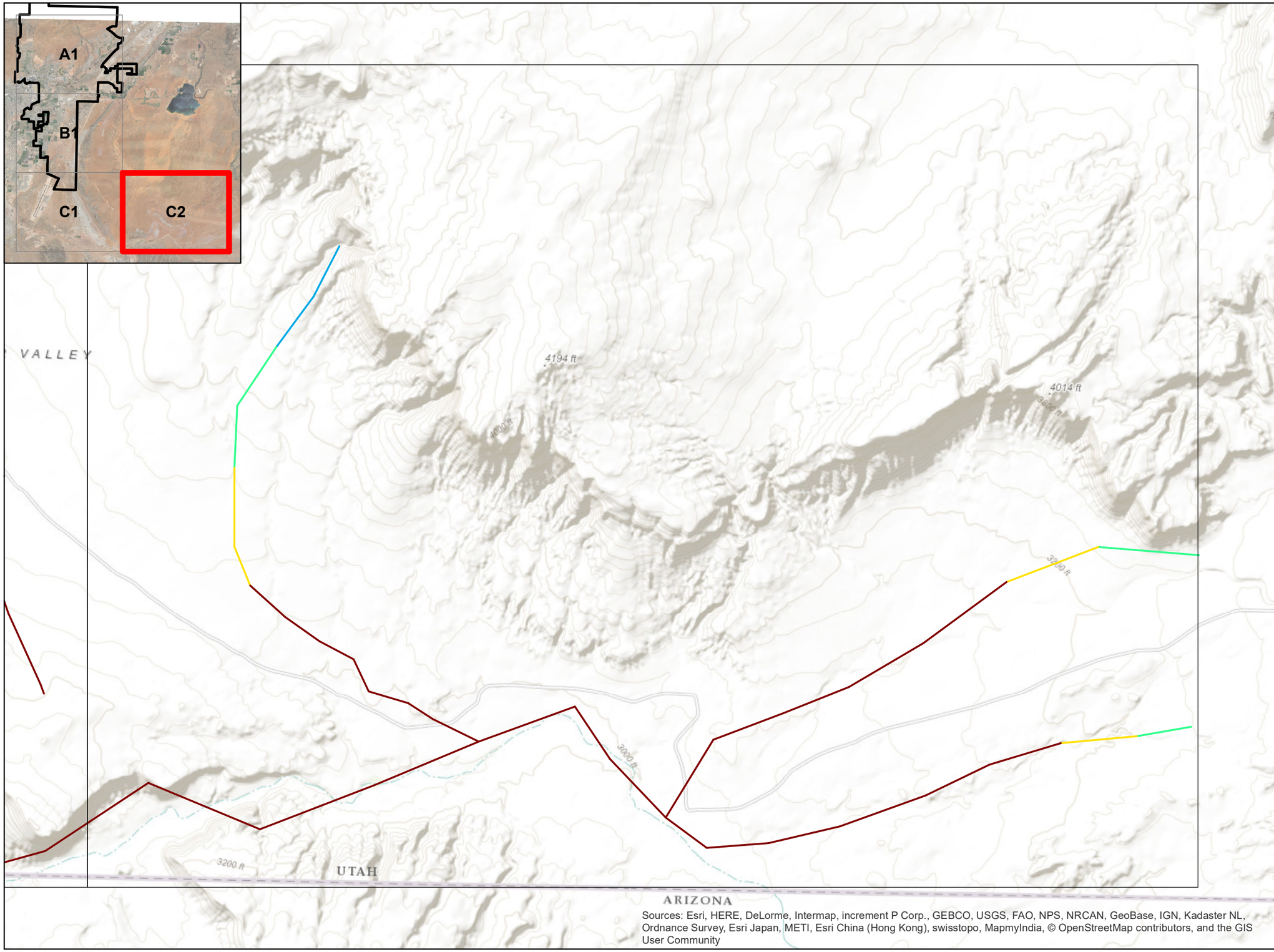
FUTURE SYSTEM MODEL RESULTS - OPT A
DEPTH VS. DIAMETER

SEI NO.	DESIGNED	DRAWN	CHECKED	
05155	KCS	KCS	SBH	**MAP 7-C1**



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

MAP LEGEND

NORTH

0 1,250 2,500
Feet
1 in = 2,500 feet

- Map Grid
- City Limits
- Regional Lines

Depth vs. Diameter

- 0.00 - 0.15
- 0.15 - 0.33
- 0.33 - 0.50
- 0.50 - 0.667
- 0.667 - 1.00

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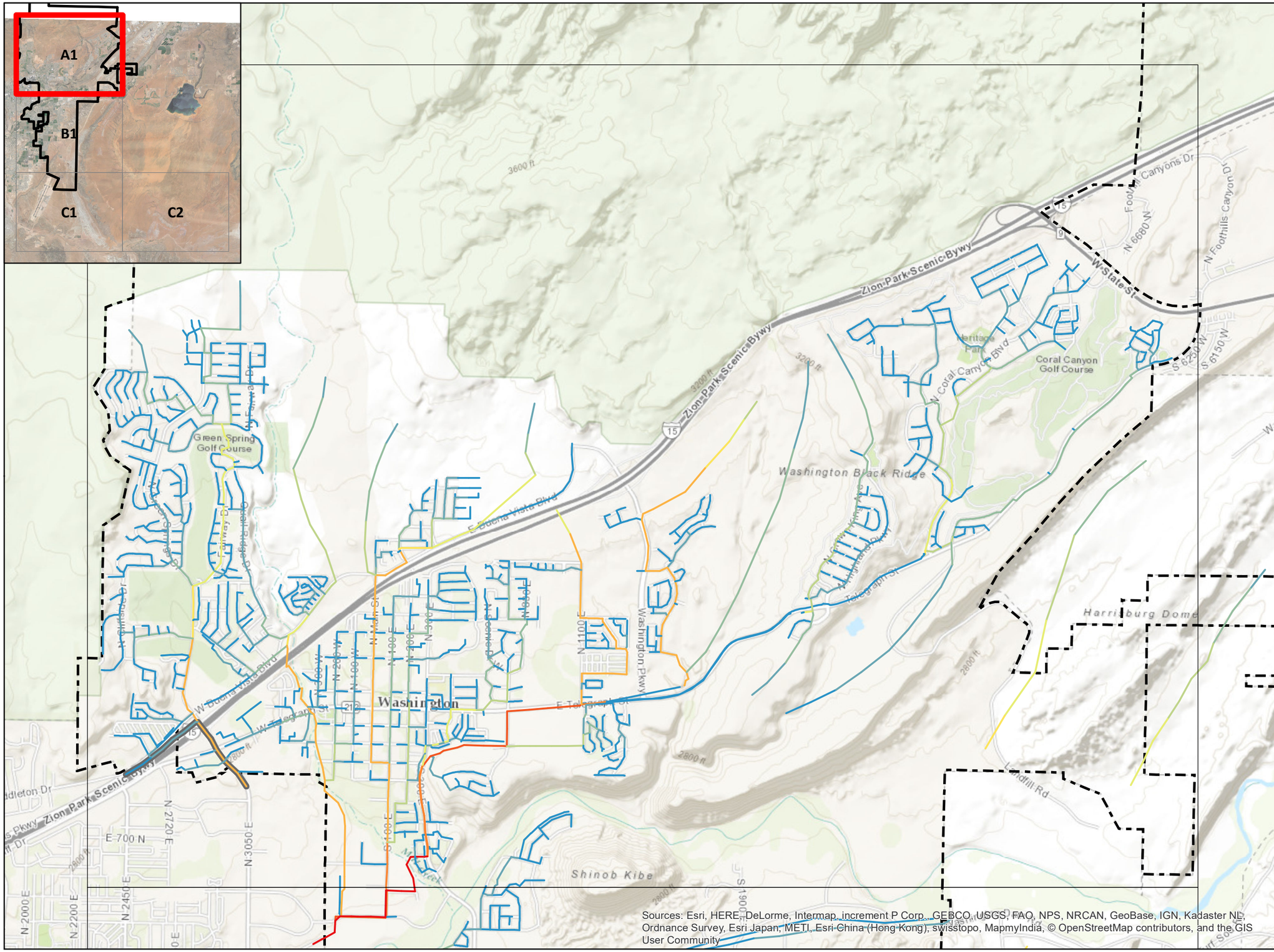
FUTURE SYSTEM MODEL RESULTS - OPT A
DEPTH VS. DIAMETER

SEI NO.	DESIGNED	DRAWN	CHECKED	
05155	KCS	KCS	SBH	MAP 7-C2



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

MAP LEGEND

NORTH

0 1,250 2,500
Feet
1 in = 2,500 feet

Map Grid
City Limits
Regional Lines

Total Flow

- 0.00 - 0.05 cfs
- 0.06 - 0.20 cfs
- 0.21 - 0.50 cfs
- 0.51 - 1.00 cfs
- 1.01 - 1.50 cfs
- 1.51 - 2.00 cfs
- 2.01 - 4.70 cfs
- 4.71 - 7.86 cfs
- 7.87 - 11.86 cfs
- 11.87 - 21.92 cfs

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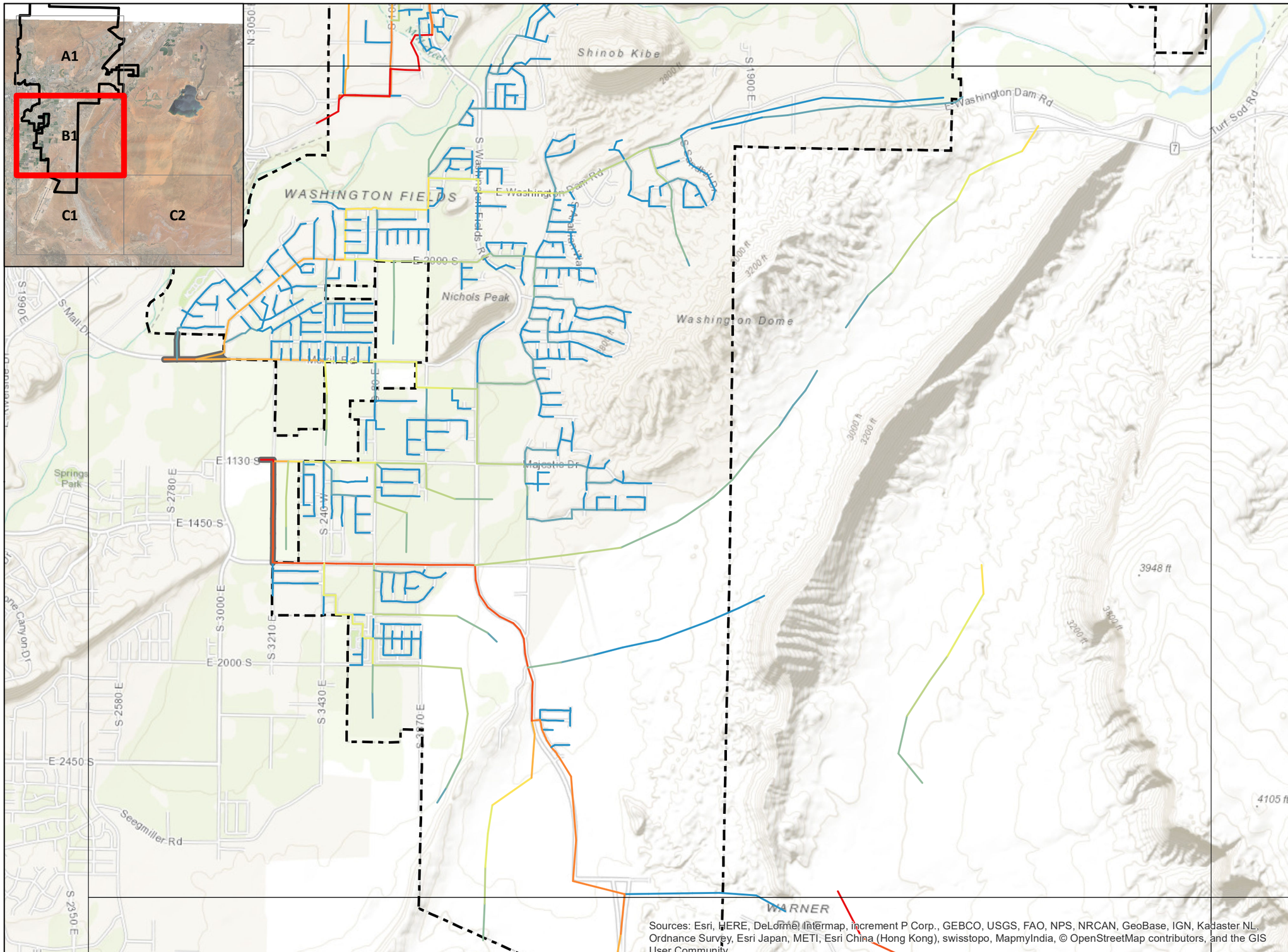
WASTEWATER MASTER PLAN
FUTURE SYSTEM MODEL RESULTS OPT A
TOTAL FLOW

JEI NO.	DESIGNED	DRAWN	CHECKED	
05155	KCS	KCS	SBH	MAP 8-A1



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MAP LEGEND

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Feet
1 in = 2,500 feet

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- City Limits
- Regional Lines

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- 0.21 - 0.50 cfs
- 0.51 - 1.00 cfs
- 1.01 - 1.50 cfs
- 1.51 - 2.00 cfs
- 2.01 - 4.70 cfs
- 4.71 - 7.86 cfs
- 7.87 - 11.86 cfs
- 11.87 - 21.92 cfs

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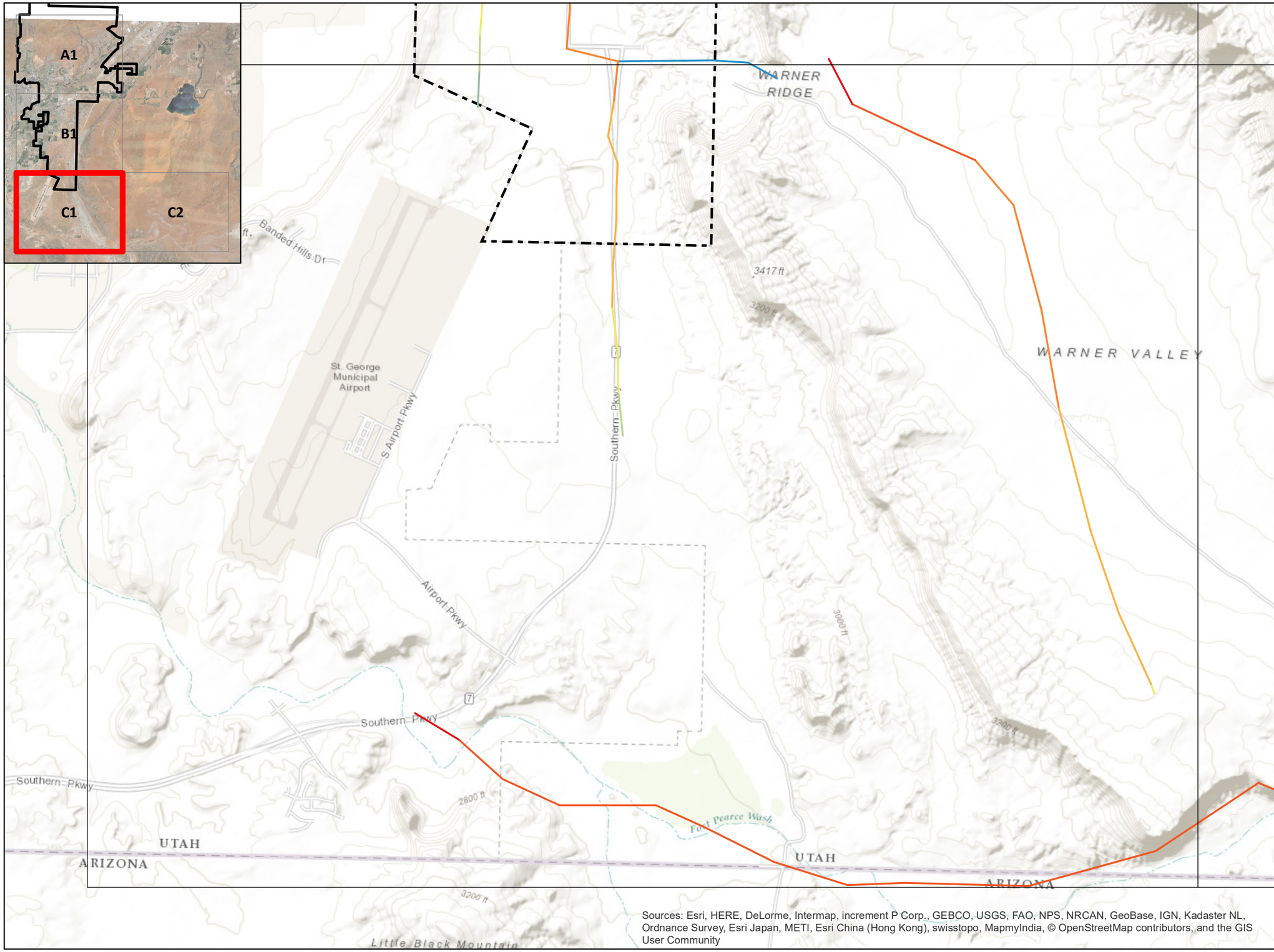
WASTEWATER MASTER PLAN

FUTURE SYSTEM MODEL RESULTS OPT A
TOTAL FLOW

SEI NO.	DESIGNED	DRAWN	CHECKED	
05155	KCS	KCS	SBH	MAP 8-B1



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

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NORTH

0 1,250 2,500
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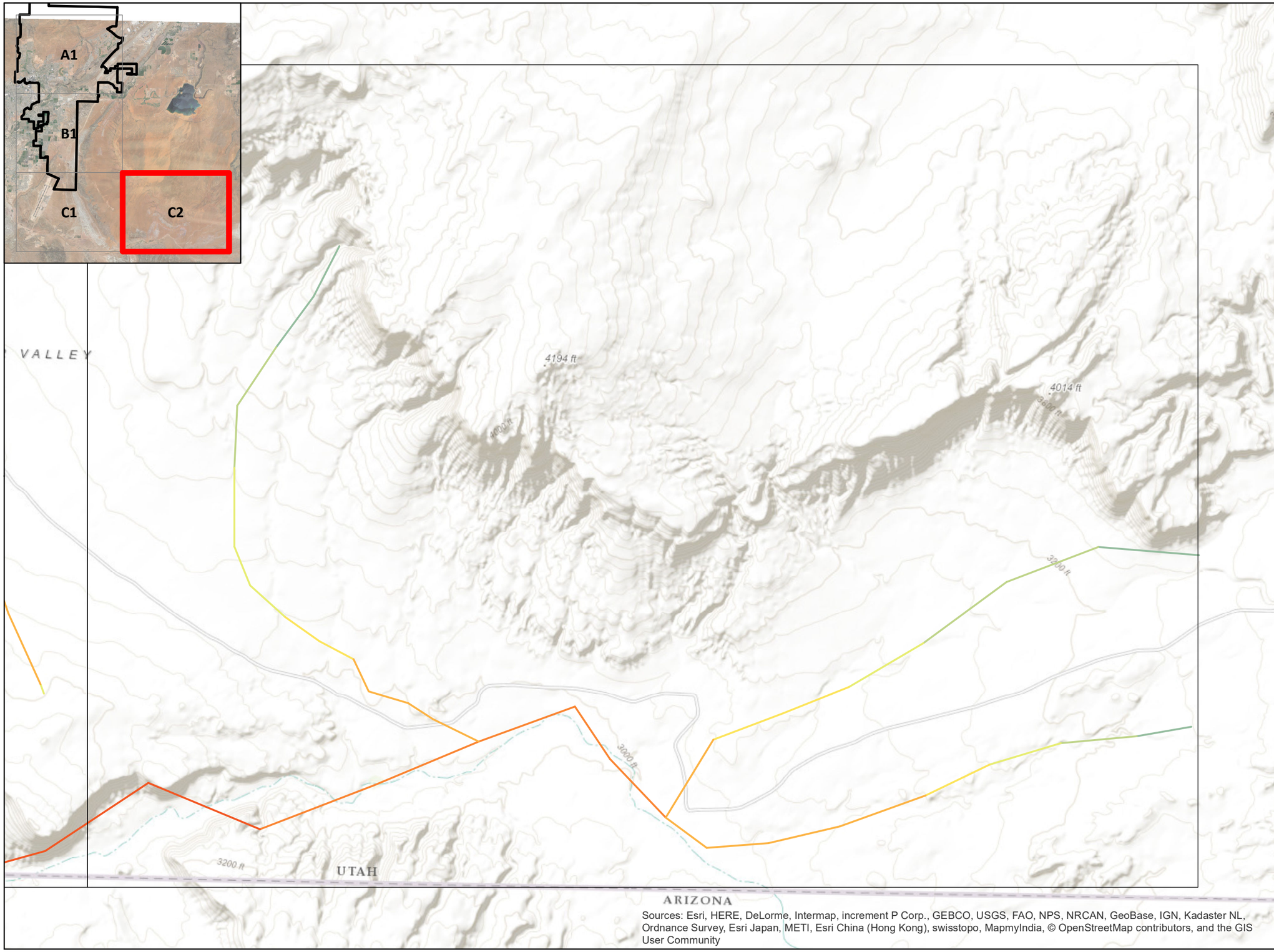
WASTEWATER MASTER PLAN
FUTURE SYSTEM MODEL RESULTS OPT A
TOTAL FLOW

JOB NO.	DESIGNED	DRAWN	CHECKED	
05155	KCS	KCS	SBH	**MAP 8-C1**



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

MAP LEGEND

NORTH

0 1,250 2,500
Feet
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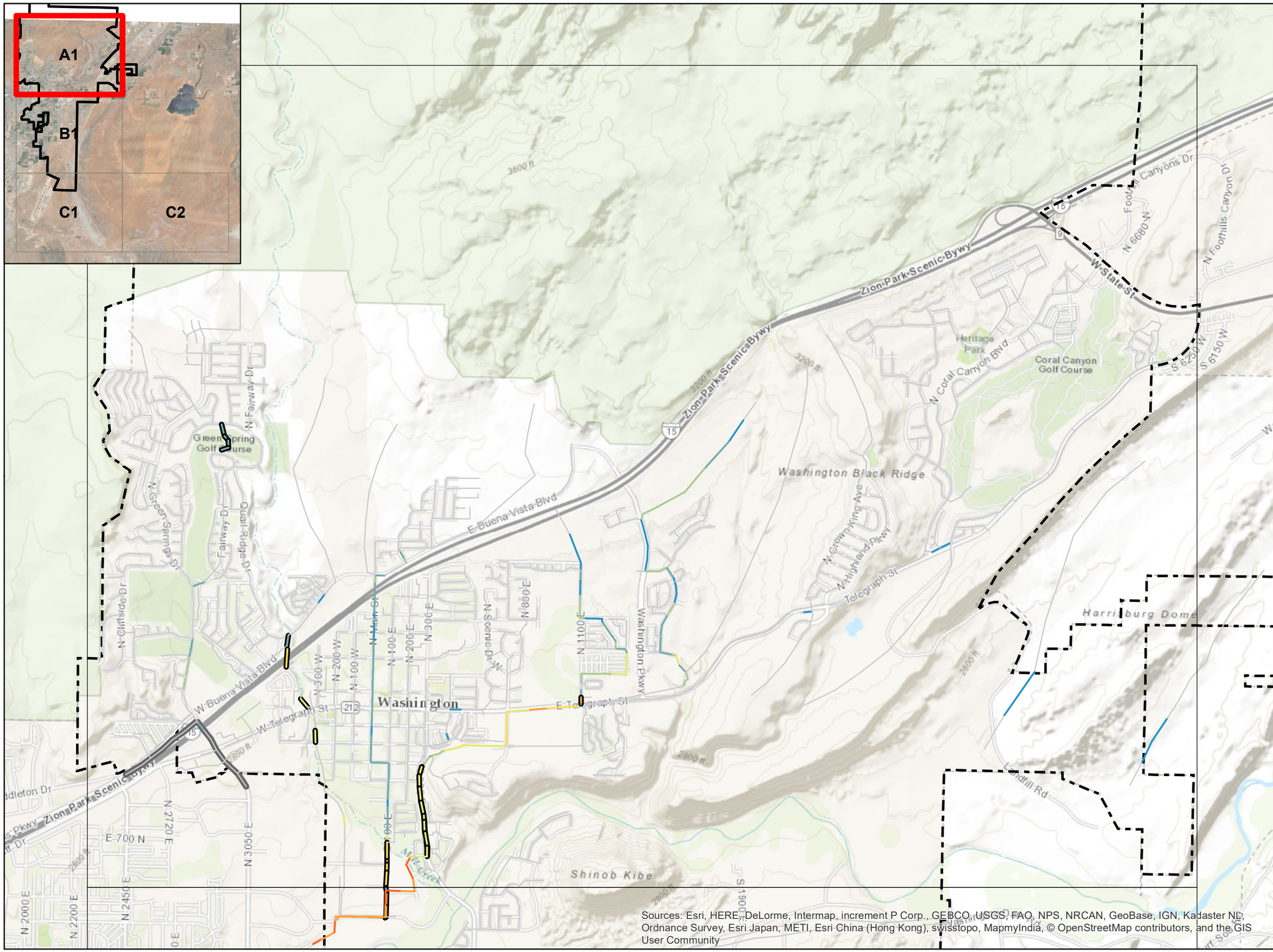
WASTEWATER MASTER PLAN
FUTURE SYSTEM MODEL RESULTS OPT A
TOTAL FLOW

SEI NO.	DESIGNED	DRAWN	CHECKED	
05155	KCS	KCS	SBH	MAP 8-C2



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MAP LEGEND

NORTH

0 1,250 2,500
Feet
1 in = 2,500 feet

- Map Grid
- City Limits
- Regional Lines

Recommended Pipe Size

- (all other pipes)
- 10" - Replace
- 12" - Replace
- 15" - Replace
- 18" - Replace
- 21" - Replace
- 8" - Parallel
- 10" - Parallel
- 12" - Parallel
- 15" - Parallel
- 18" - Parallel
- 21" - Parallel
- 24" - Parallel
- 30" - Parallel

Pipe sizes shown are for buildout conditions. Parallel pipes are assumed to have the same size for both pipes.

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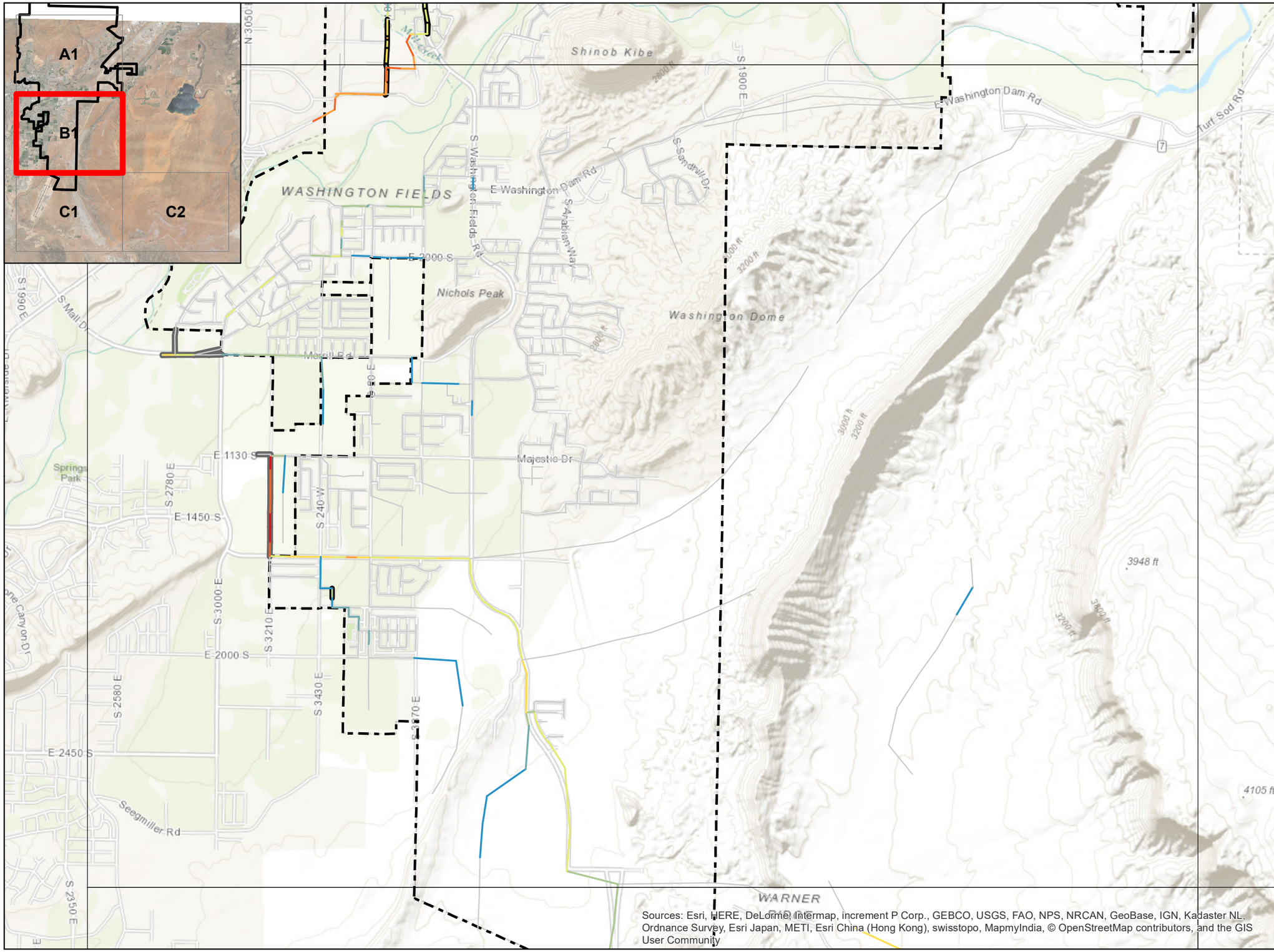
WASTEWATER MASTER PLAN
FUTURE SYSTEM MODEL RESULTS OPT A RECOMMENDATIONS

SEI NO.	DESIGNED	DRAWN	CHECKED	
05155	KCS	KCS	SBH	**MAP 9-A1**



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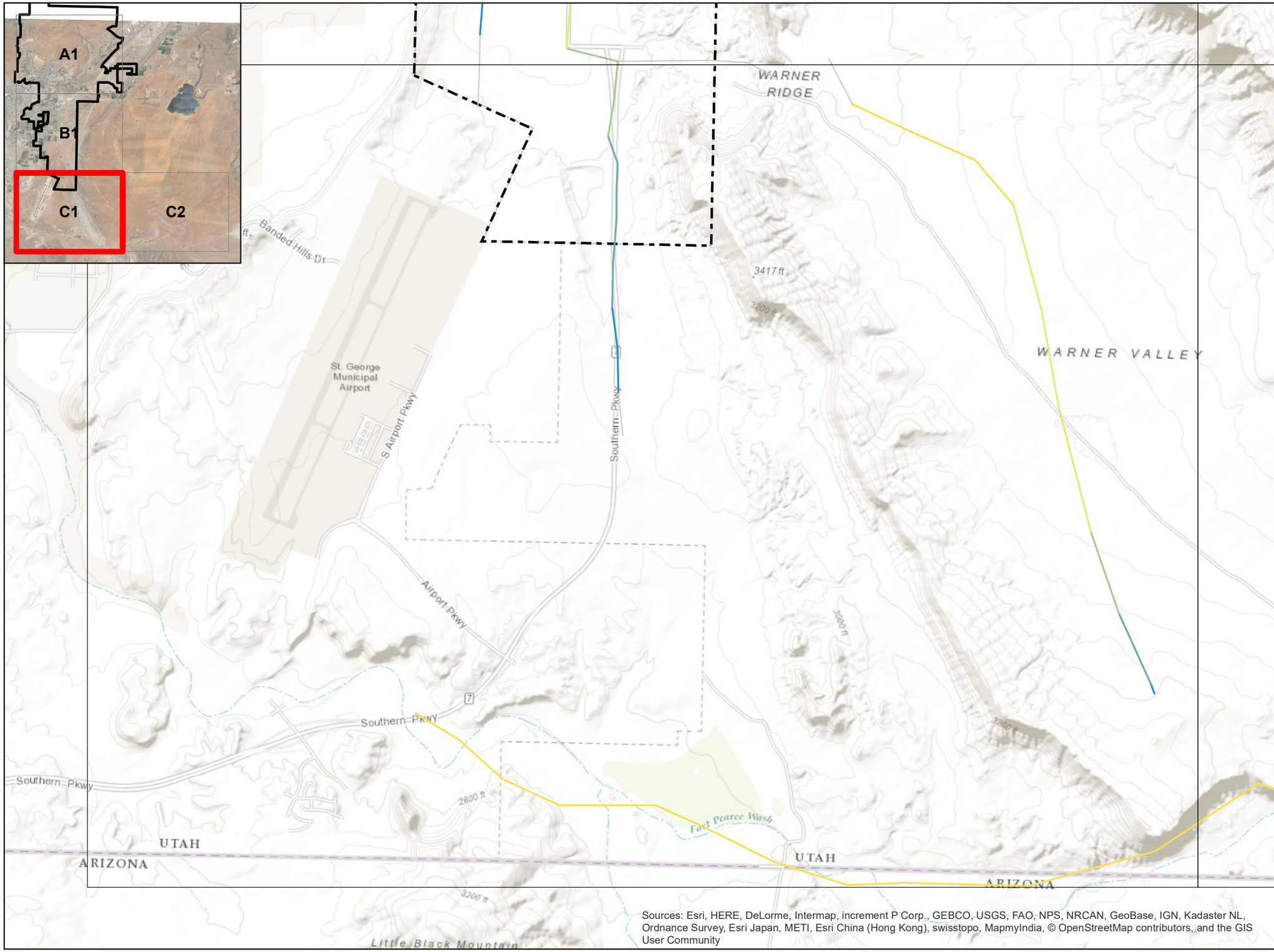
WASTEWATER MASTER PLAN
FUTURE SYSTEM MODEL RESULTS OPT A RECOMMENDATIONS

SEI NO.	DESIGNED	DRAWN	CHECKED	
05155	KCS	KCS	SBH	**MAP 9-B1**



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

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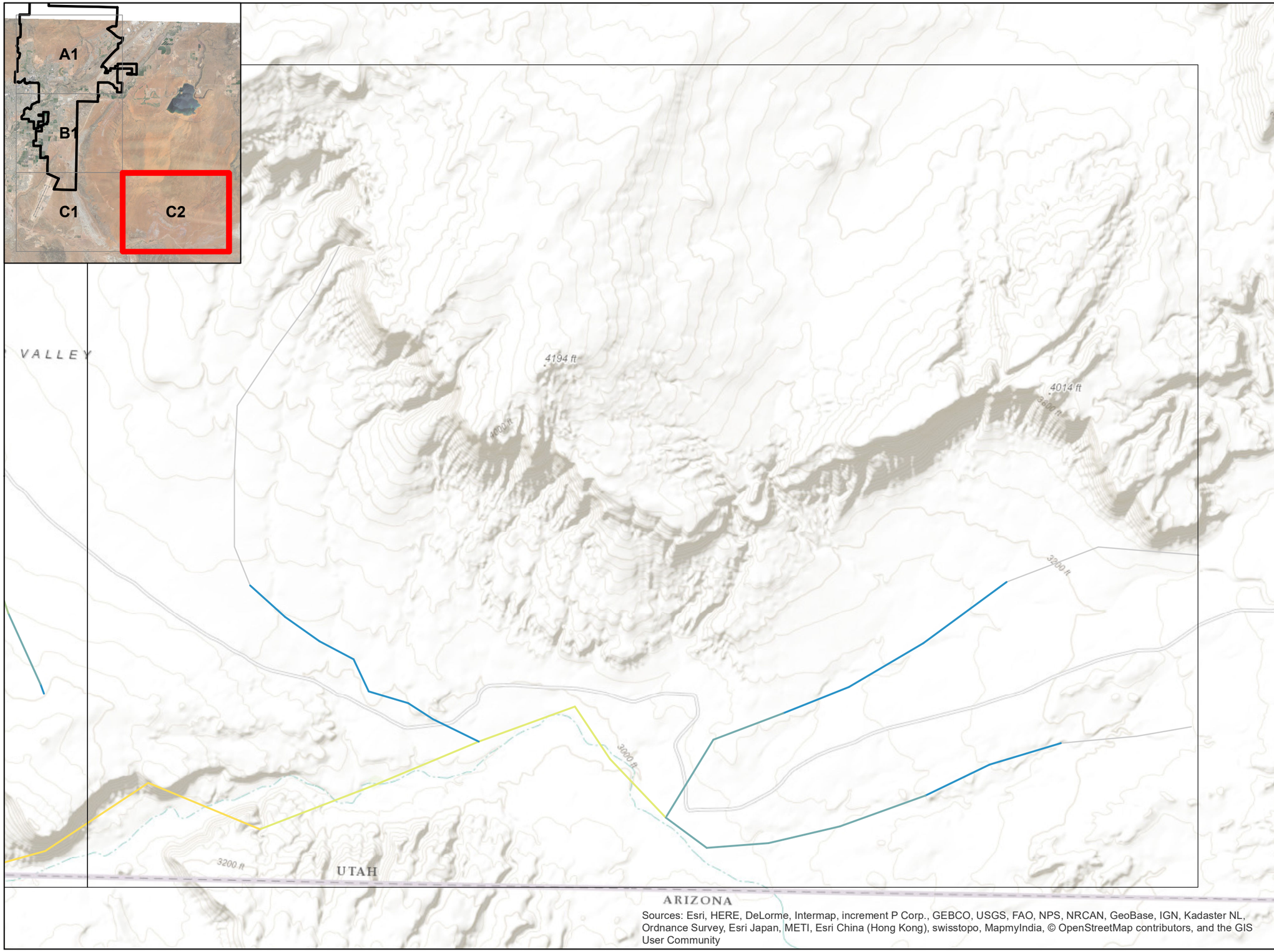
WASTEWATER MASTER PLAN
FUTURE SYSTEM MODEL RESULTS OPT A RECOMMENDATIONS

SEI NO.	DESIGNED	DRAWN	CHECKED	
05155	KCS	KCS	SBH	**MAP 9-C1**



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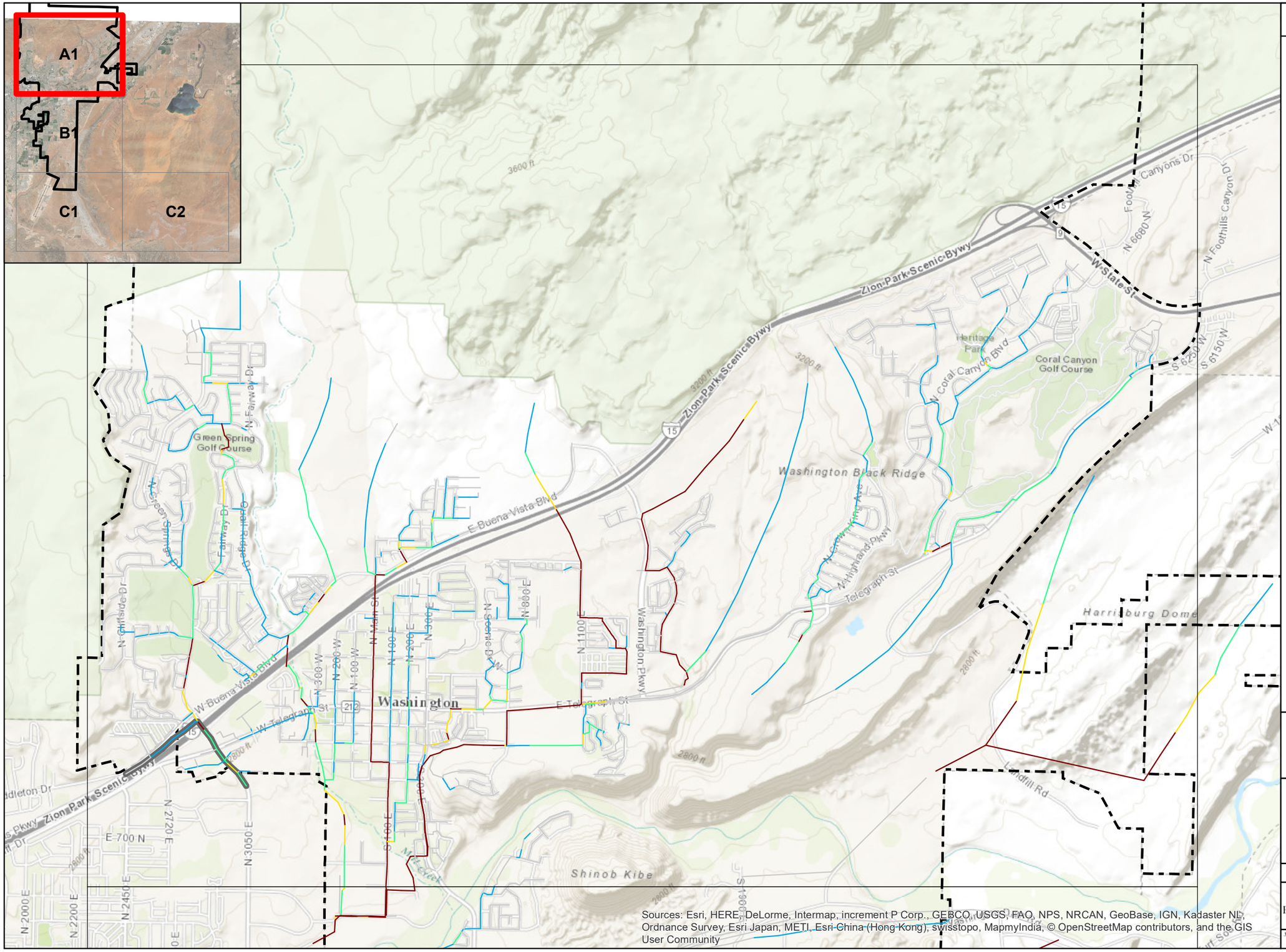
WASTEWATER MASTER PLAN
FUTURE SYSTEM MODEL RESULTS OPT A RECOMMENDATIONS

SEI NO.	DESIGNED	DRAWN	CHECKED	
05155	KCS	KCS	SBH	**MAP 9-C2**



MAP LEGEND

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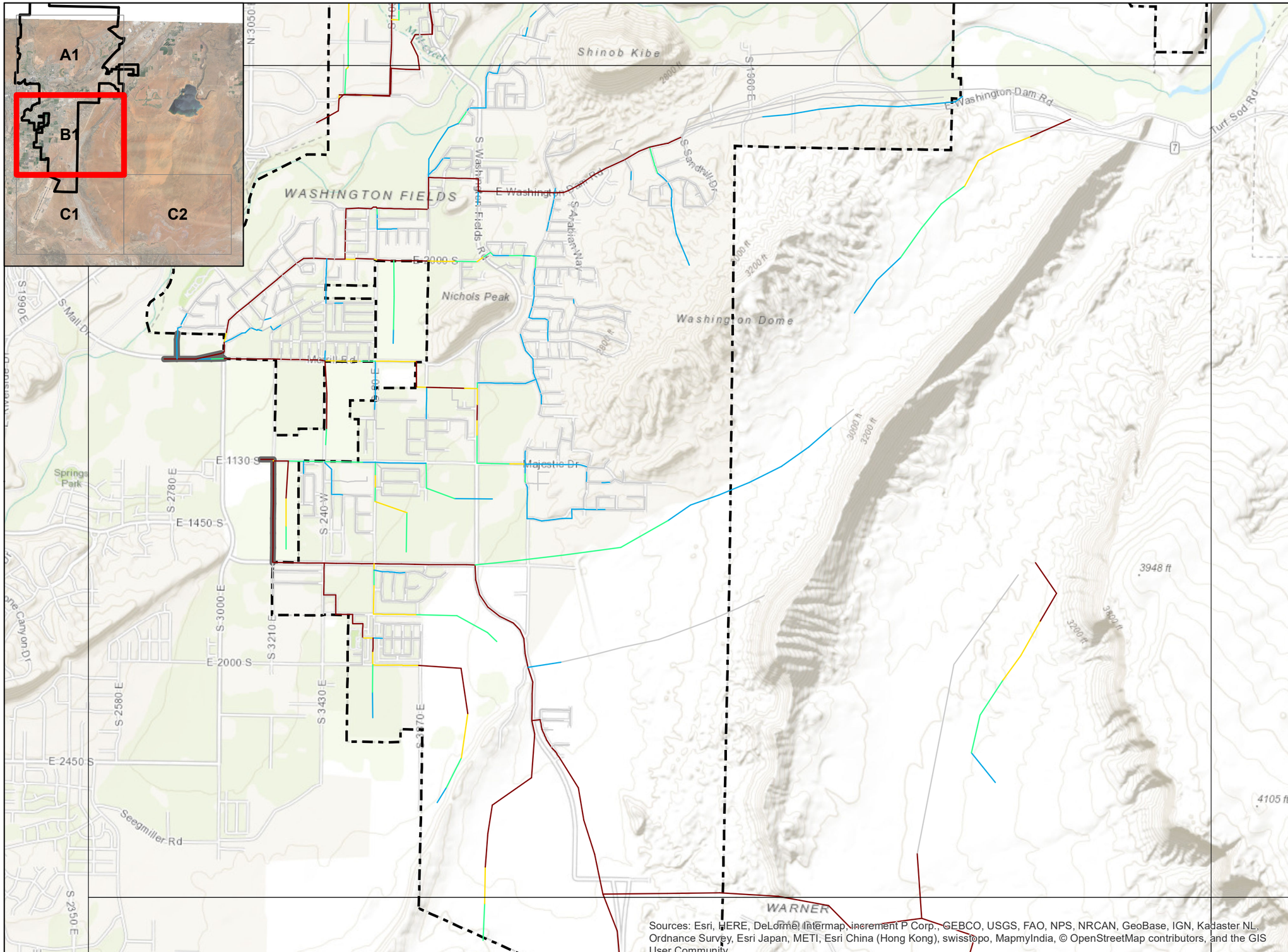
WASTEWATER MASTER PLAN

FUTURE SYSTEM MODEL RESULTS - OPT B
DEPTH VS. DIAMETER

SEI NO.	DESIGNED	DRAWN	CHECKED	
05155	KCS	KCS	SBH	**MAP 10-A1**



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

MAP LEGEND

NORTH

0 1,250 2,500
Feet
1 in = 2,500 feet

- Map Grid
- City Limits
- Regional Lines

Depth vs. Diameter

- 0.00 - 0.15
- 0.15 - 0.33
- 0.33 - 0.50
- 0.50 - 0.667
- 0.667 - 1.00

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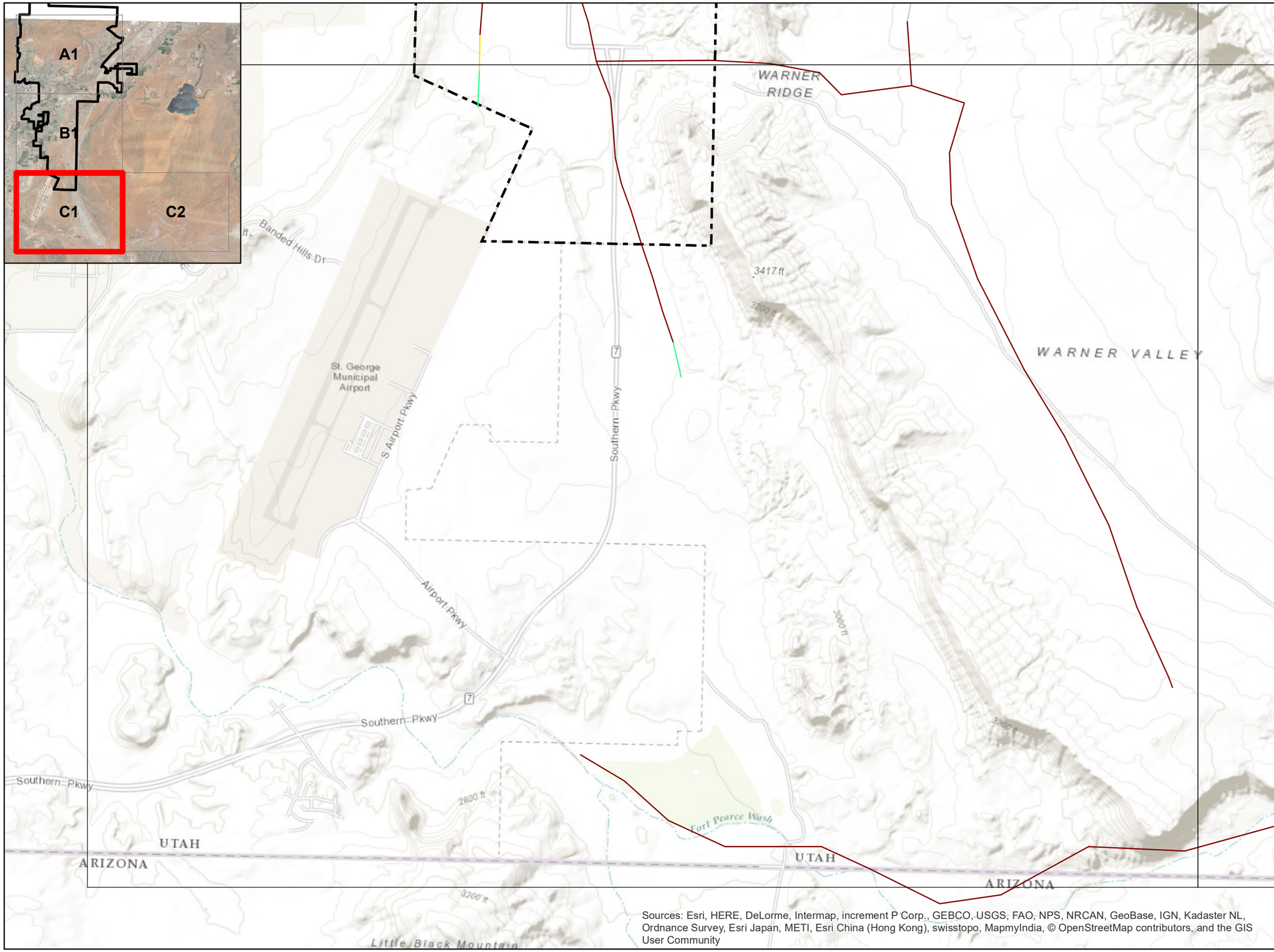
FUTURE SYSTEM MODEL RESULTS - OPT B
DEPTH VS. DIAMETER

SEI NO.	DESIGNED	DRAWN	CHECKED	
05155	KCS	KCS	SBH	**MAP 10-B1**



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MAP LEGEND

NORTH

0 1,250 2,500
Feet
1 in = 2,500 feet

- Map Grid
- City Limits
- Regional Lines

Depth vs. Diameter

- 0.00 - 0.15
- 0.15 - 0.33
- 0.33 - 0.50
- 0.50 - 0.667
- 0.667 - 1.00

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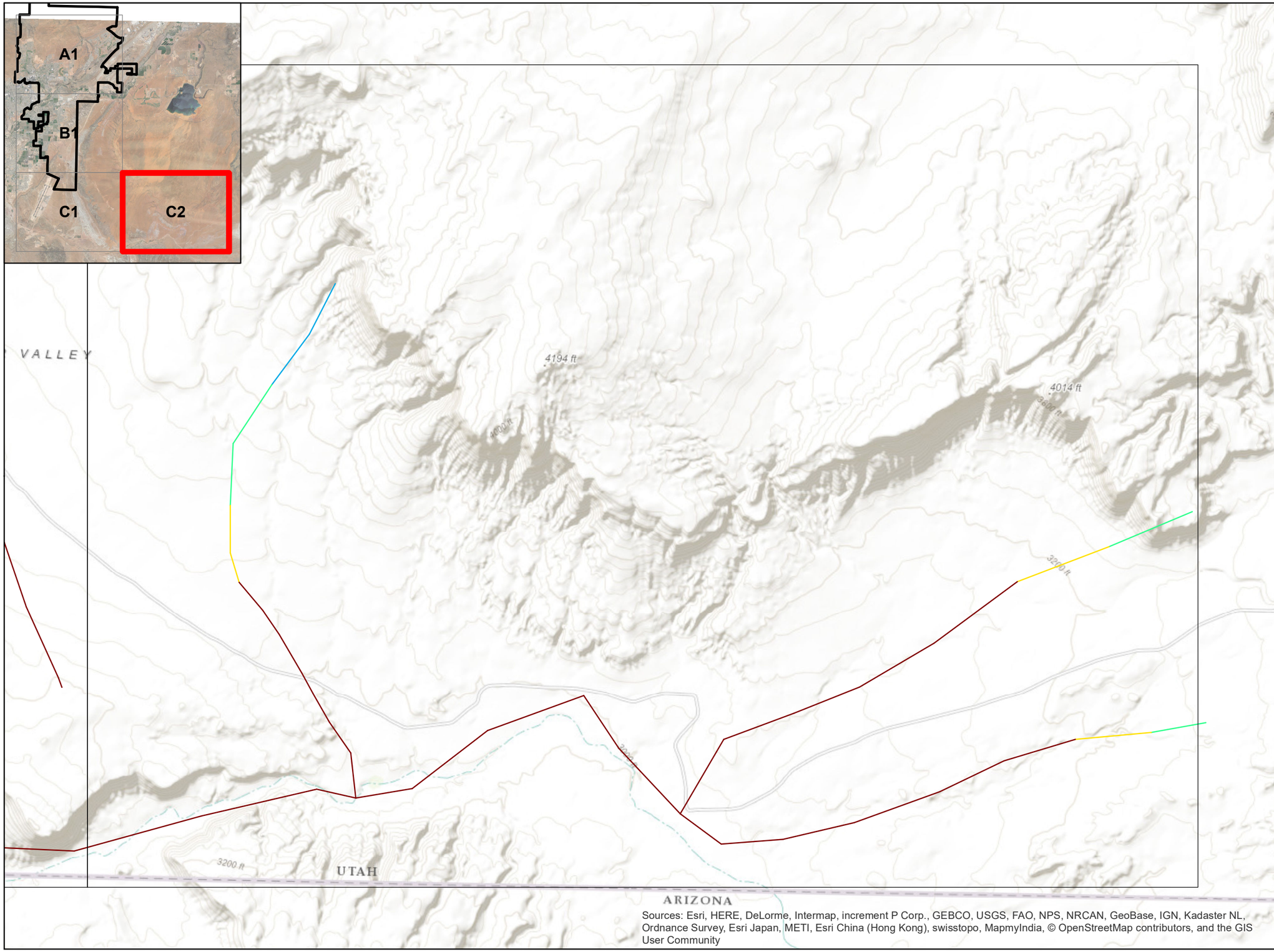
FUTURE SYSTEM MODEL RESULTS - OPT B
DEPTH VS. DIAMETER

JOB NO.	DESIGNED	DRAWN	CHECKED	
05155	KCS	KCS	SBH	MAP 10-C1



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

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NORTH

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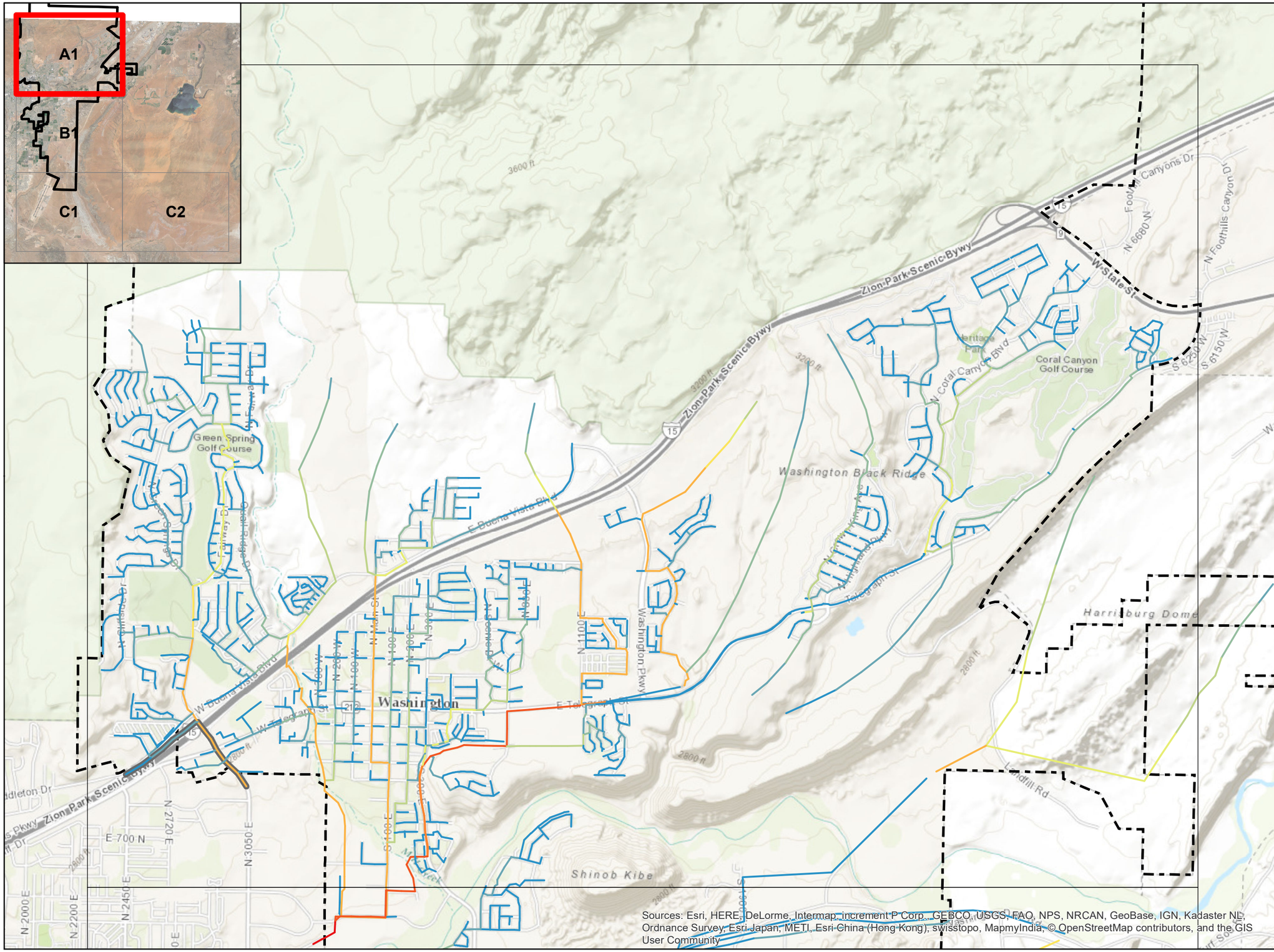
FUTURE SYSTEM MODEL RESULTS - OPT B
DEPTH VS. DIAMETER

SEI NO.	DESIGNED	DRAWN	CHECKED	
05155	KCS	KCS	SBH	**MAP 10-C2**



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

MAP LEGEND

NORTH

0 1,250 2,500
Feet
1 in = 2,500 feet

- Map Grid
- City Limits
- Regional Lines

Total Flow

- 0.00 - 0.05 cfs
- 0.06 - 0.20 cfs
- 0.21 - 0.50 cfs
- 0.51 - 1.00 cfs
- 1.01 - 1.50 cfs
- 1.51 - 2.00 cfs
- 2.01 - 4.70 cfs
- 4.71 - 7.86 cfs
- 7.87 - 15.05 cfs
- 15.06 - 28.80 cfs

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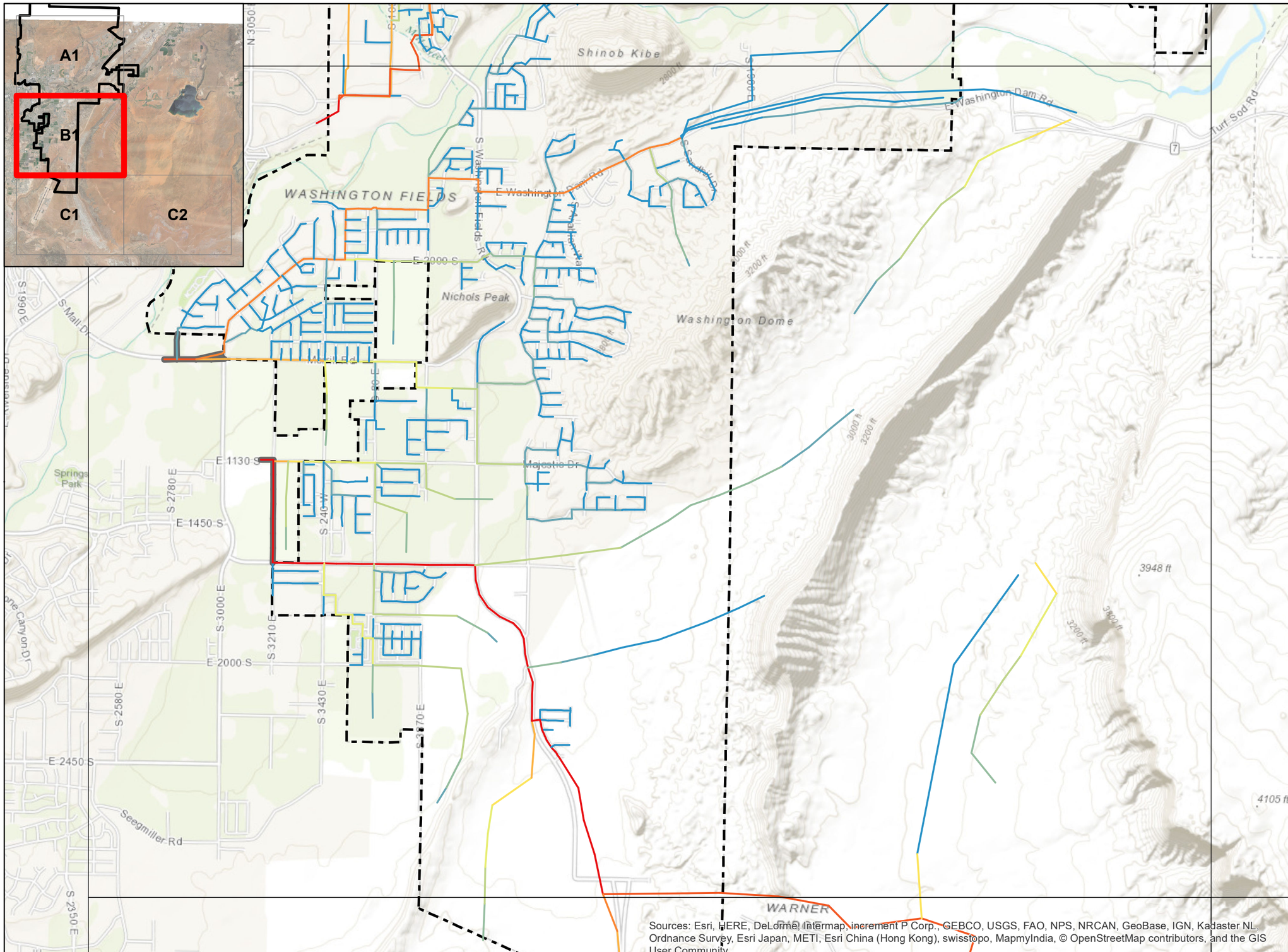
FUTURE SYSTEM MODEL RESULTS OPT B
TOTAL FLOW

SEI NO.	DESIGNED	DRAWN	CHECKED	
05155	KCS	KCS	SBH	**MAP 11-A1**



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- 15.06 - 28.80 cfs

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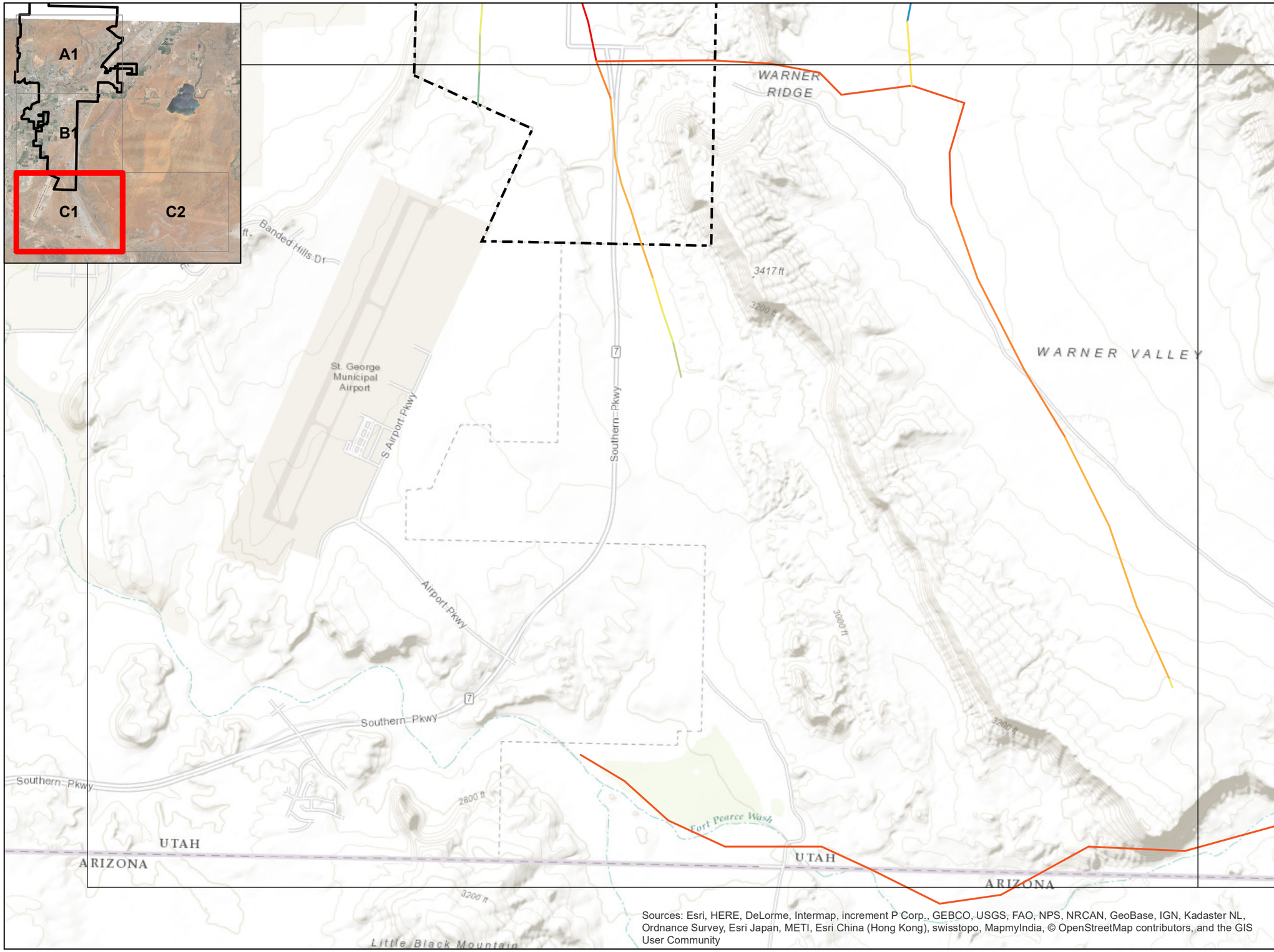
FUTURE SYSTEM MODEL RESULTS OPT B
TOTAL FLOW

SEI NO.	DESIGNED	DRAWN	CHECKED	
05155	KCS	KCS	SBH	MAP 11-B1



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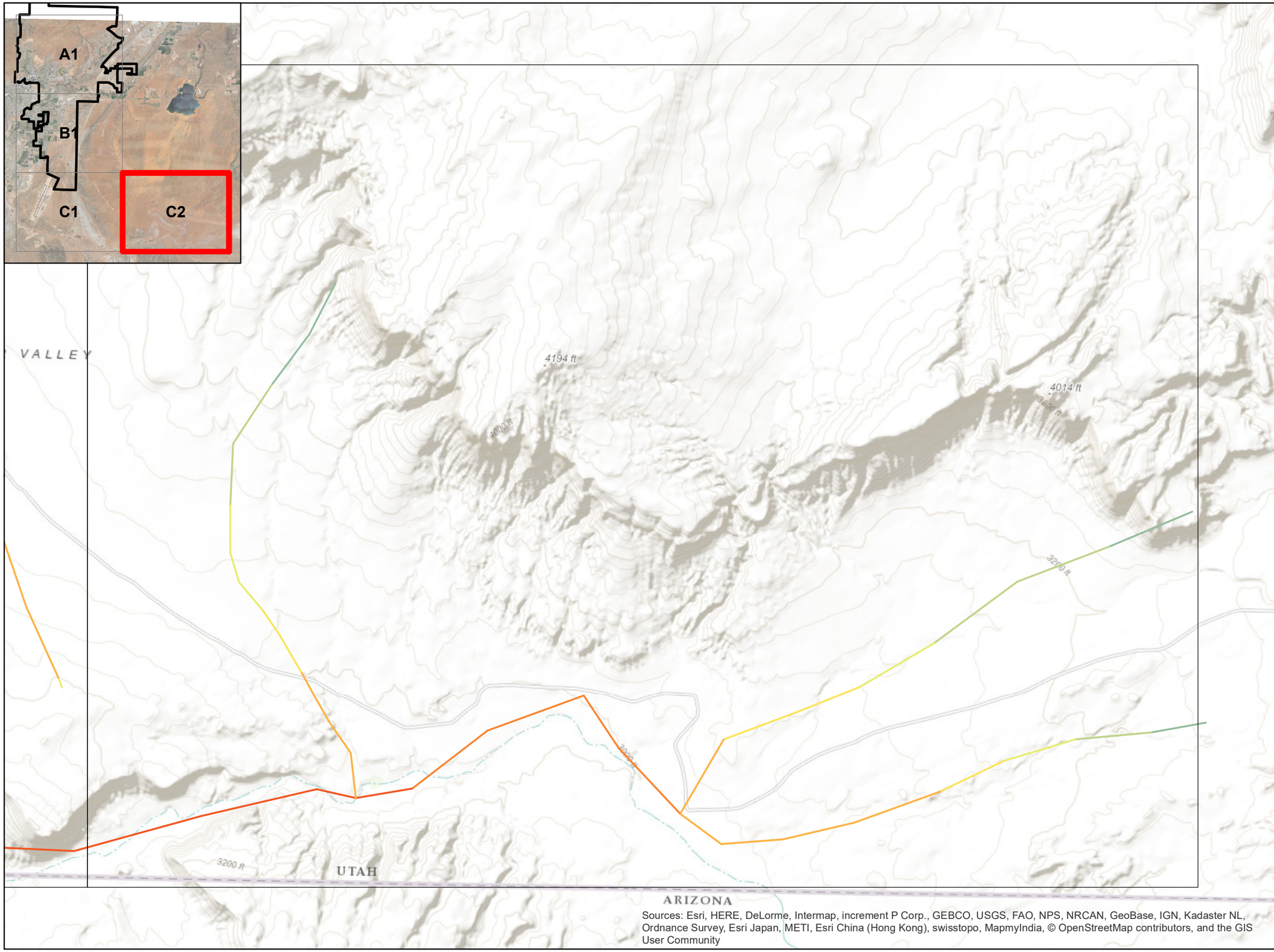
FUTURE SYSTEM MODEL RESULTS OPT B
TOTAL FLOW

SEI NO.	DESIGNED	DRAWN	CHECKED	
05155	KCS	KCS	SBH	MAP 11-C1



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

MAP LEGEND

NORTH

0 1,250 2,500
Feet
1 in = 2,500 feet

- Map Grid
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- Regional Lines

Total Flow

- 0.00 - 0.05 cfs
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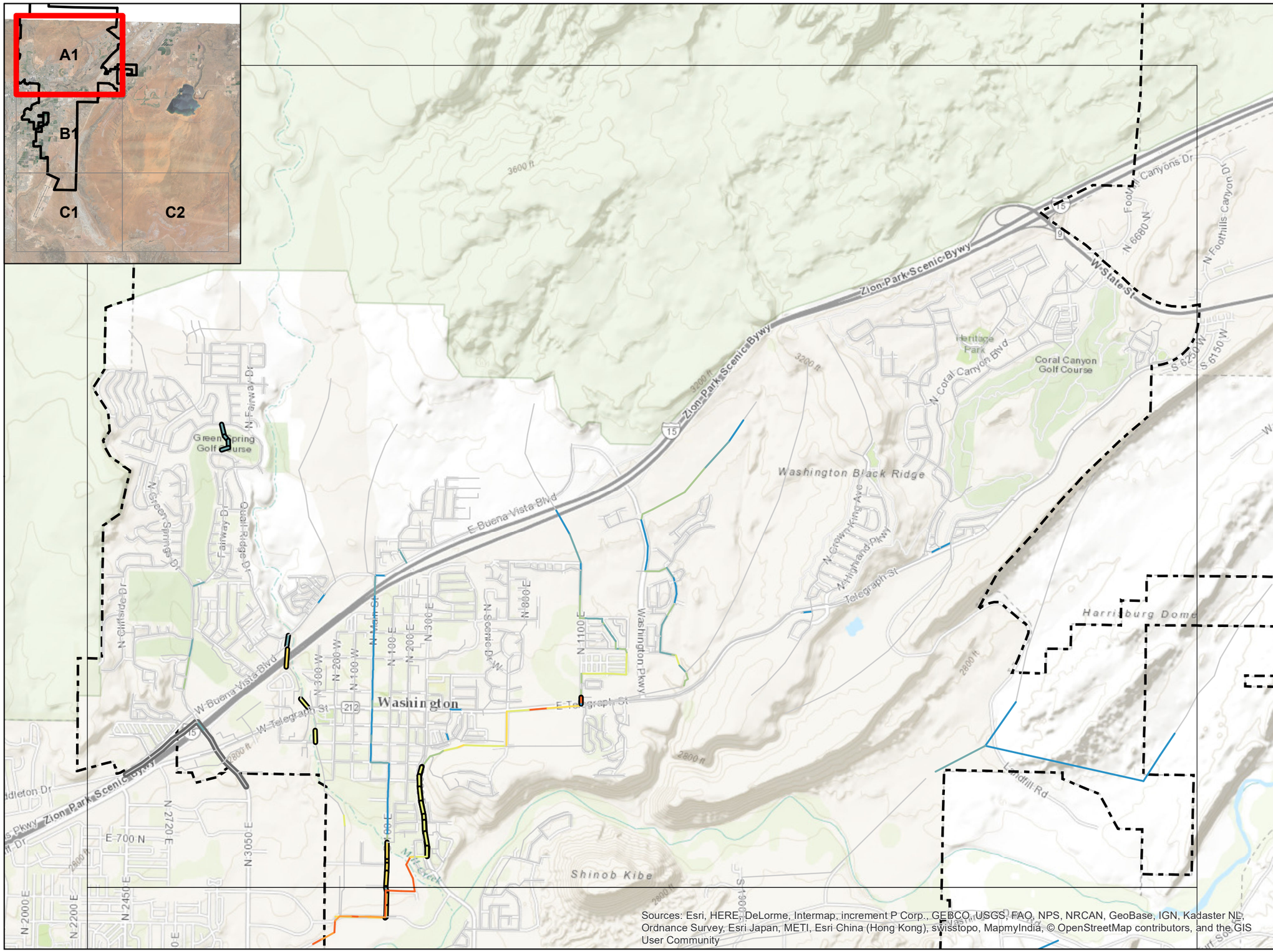
WASTEWATER MASTER PLAN

FUTURE SYSTEM MODEL RESULTS OPT B
TOTAL FLOW

SEI NO.	DESIGNED	DRAWN	CHECKED	
05155	KCS	KCS	SBH	MAP 11-C2



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

MAP LEGEND

NORTH

0 1,250 2,500
Feet
1 in = 2,500 feet

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- City Limits
- Regional Lines

Recommended Pipe Size

- (all other pipes)
- 10" - Replace
- 12" - Replace
- 15" - Replace
- 18" - Replace
- 24" - Replace
- 8" - Parallel
- 10" - Parallel
- 12" - Parallel
- 15" - Parallel
- 18" - Parallel
- 21" - Parallel
- 24" - Parallel
- 30" - Parallel
- 36" - Parallel

Pipe sizes shown are for buildout conditions. Parallel pipes are assumed to have the same size for both pipes.

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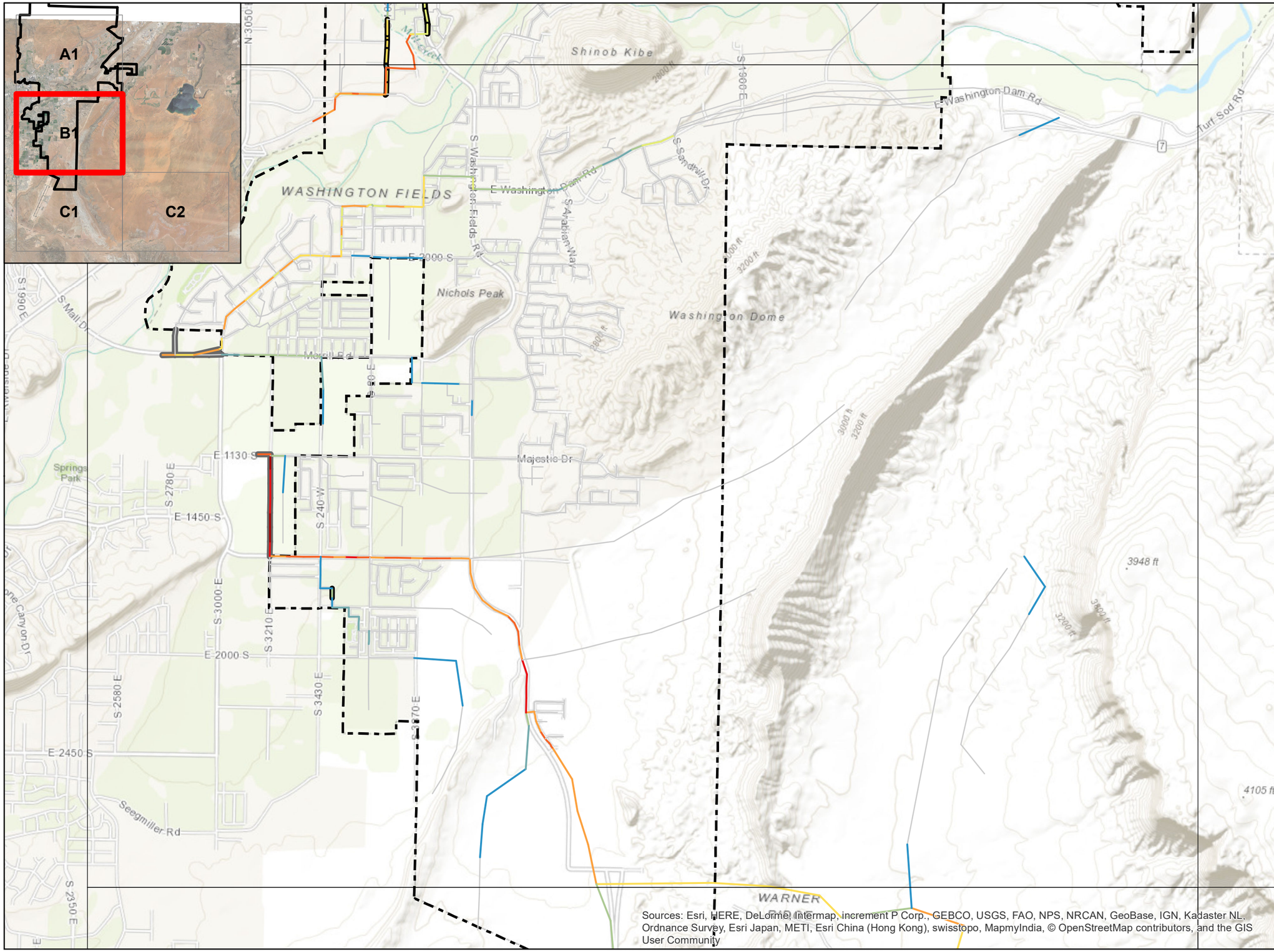
WASTEWATER MASTER PLAN
FUTURE SYSTEM MODEL RESULTS OPT B RECOMMENDATIONS

SEI NO.	DESIGNED	DRAWN	CHECKED	
05155	KCS	KCS	SBH	**MAP 12-A1**



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FUTURE SYSTEM MODEL RESULTS OPT B RECOMMENDATIONS

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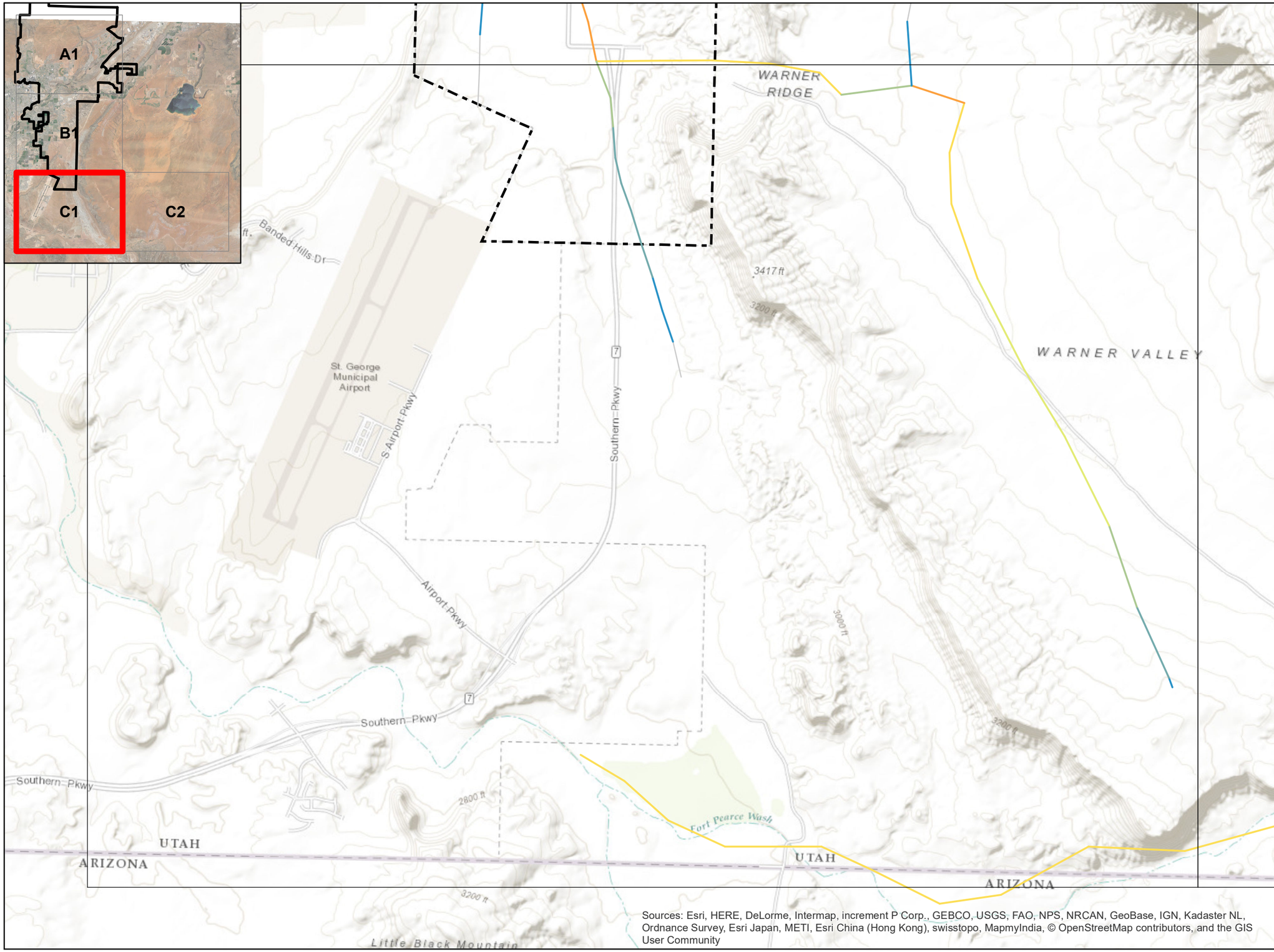
05155	KCS	KCS	SBH	**MAP 12-B1**



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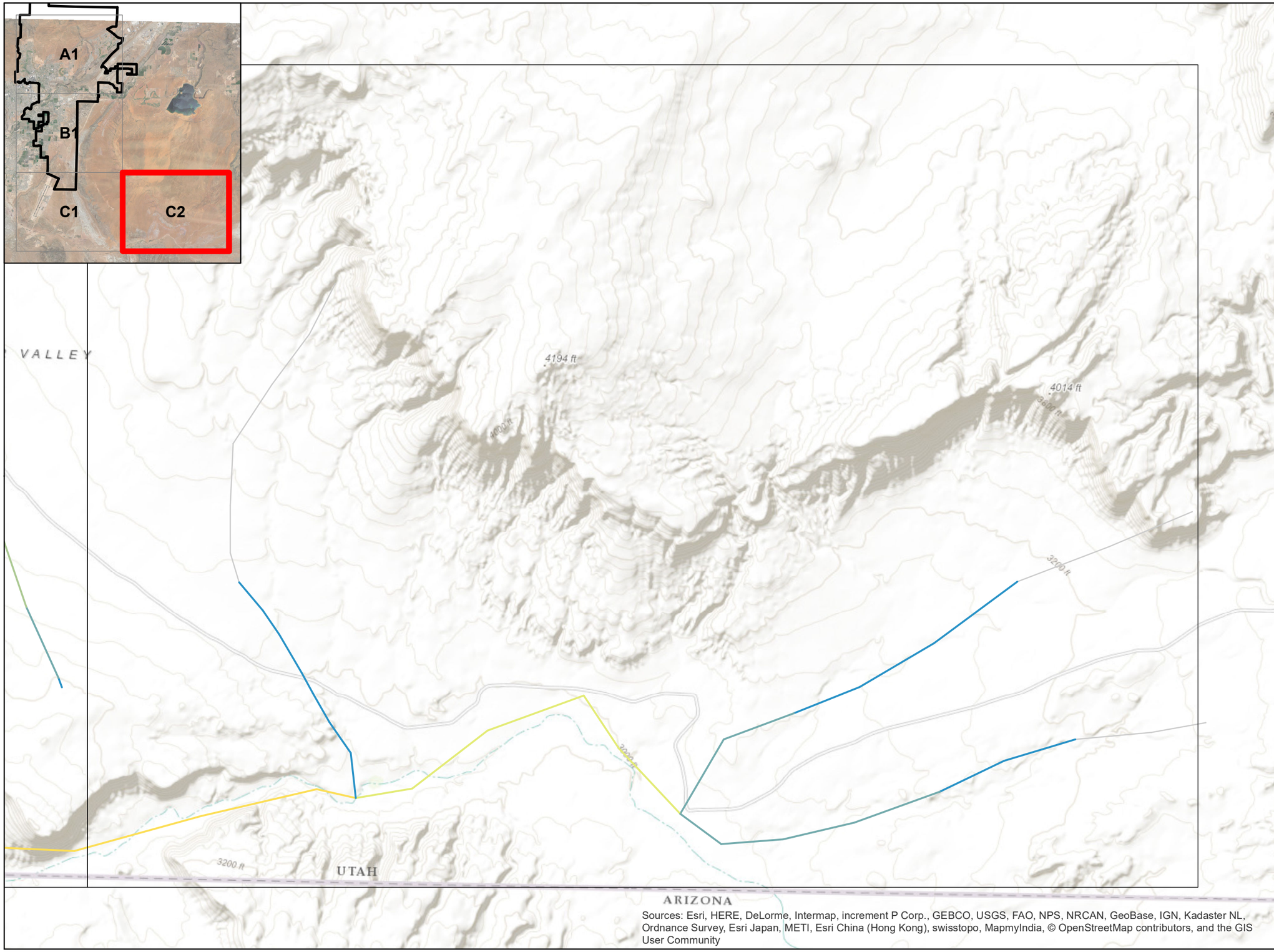
FUTURE SYSTEM MODEL RESULTS OPT B RECOMMENDATIONS

SEI NO.	DESIGNED	DRAWN	CHECKED	
05155	KCS	KCS	SBH	**MAP 12-C1**



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WASTEWATER MASTER PLAN
FUTURE SYSTEM MODEL RESULTS OPT B RECOMMENDATIONS

SEI NO.	DESIGNED	DRAWN	CHECKED	
05155	KCS	KCS	SBH	**MAP 12-C2**

APPENDIX B

Tables

Area Within Existing Washinton City Boundaries	20,721 acres
Area Within Study Area Boundaries	52,387 acres
Percent Increase in Area	153%

Land Use Categories and ERU Densities	Unit Density units/acre	ERU Rate ERUs/unit	ERU Density ERUs/acre
100 Year Flood Zone	0	0	0
Business	1	2.44	2.44
Civic	1	2.44	2.44
Community Commercial	7	2.53	17.71
Estate	0.75	1	0.75
High Density	15	1	15
Hillside Protection Zone	1	1	1
Historic Downtown	3.1	1	3.1
Industrial	1	2.44	2.44
Low Density	3.75	1	3.75
Medium Density	5.5	1	5.5
Medium High Density	10	1	10
Modified Hillside Protection Zone	0	0	0
Neighborhood Commercial	7	2.53	17.71
Open Space	0	0	0
Park	0	0	0
Pond	0	0	0
Regional Commercial	7	2.53	17.71
Very Low Density	2	1	2
Virgin River Erosion Hazard Zone	0	0	0
Warner Reservoir Dam	0	0	0
Warner Ridge Fort Pearce	0	0	0
Warner Valley Reservoir	0	0	0

Year	ERUs	% of Total
2016	8388	12%
2026	13663	20%
Buildout	68916	100%

Sub-Basin	% Realized
10-1	50%
10-2	60%
10-3	60%
10-4	80%
10-5	70%
11-1	30%
12-1	70%
12-2	70%
12-3	95%
12-4	95%
13-1	95%
13-2	50%
13-3	10%
14-1	90%
14-2	30%
14-3	10%
15-1	50%
15-2	70%
16-1	90%
16-2	90%
17-1	95%
17-2	70%
17-3	60%
17-4	80%
18-1	20%
18-2	30%
19-1	70%
20-1	40%
21-1	60%
22-1	40%

Sub-Basin	% Realized
1-1	70%
1-2	70%
1-3	50%
1-4	80%
1-5	70%
1-6	40%
1-7	50%
1-8	50%
2-1	60%
2-2	80%
2-3	90%
2-4	50%
2-5	90%
2-6	50%
3-1	70%
3-2	80%
3-3	90%
3-4	90%
3-5	90%
3-6	85%
4-1	90%
4-2	90%
4-3	60%
5-1	75%
5-2	70%
5-3	80%
5-4	60%
5-5	155%
6-1	70%
7-1	80%
7-2	30%
8-1	105%
9-1	50%
9-2	50%
9-3	30%
9-4	50%

APPENDIX C

Model Input Calculations

Sub-basin\City Zoning	Sum of flow	Flow per Area [gpm/ac]	Existing Flow for whole basin [gpm]	Realistic Buildout Flow for whole basin [gpm]	% BO	# Manholes in existing system	Existing Flow per Manhole [gpm]	Future additional basin flow [gpm]	% of addition flow to existing system (based on BO% and % infill)	flow to existing system for future model (additional flow + ex. flow) [gpm]	demand for existing system for future model (new flow + ex. flow/MH) [gpm/MH]	flow to new system for future model (additional flow) [gpm]	#Manholes in new system	demand for new system for future model (new flow/MH) [gpm/MH]
1-1	354.9	1.58	107.00	248.45	43%	81	1.321	141.45	25%	142.3622	1.758	106.0867	3	35.362
1-2	331.8	1.62	106.00	232.28	46%	110	0.964	126.28	40%	156.514	1.423	75.7710	2	37.885
1-3	257.2	1.81	118.00	128.59	92%	75	1.573	10.59	100%	128.5901	1.715	0.0000	0	0.000
1-4	258.2	1.60	140.50	206.57	68%	96	1.464	66.07	100%	206.5664	2.152	0.0000	0	0.000
1-5	174.9	1.18	31.00	122.46	25%	48	0.646	91.46	100%	122.4598	2.551	0.0000	0	0.000
1-6	428.5	3.28	21.59	171.40	13%	66	0.327	149.81	100%	171.399	2.597	0.0000	0	0.000
1-7	404.4	4.48	54.53	202.18	27%	41	1.330	147.65	100%	202.1786	4.931	0.0000	0	0.000
1-8	386.8	8.86	7.59	193.41	4%	23	0.330	185.82	100%	193.4141	8.409	0.0000	0	0.000
2-1	937.2	1.85	137.22	562.31	24%	66	2.079	425.09	10%	179.7286	2.723	382.5778	8	47.822
2-2	252.9	2.56	72.80	202.29	36%	43	1.693	129.49	100%	202.2882	4.704	0.0000	0	0.000
2-3	109.3	3.08	29.00	98.35	29%	20	1.450	69.35	100%	98.34947	4.917	0.0000	0	0.000
2-4	812.7	5.40	57.68	406.35	14%	82	0.703	348.67	100%	406.3507	4.955	0.0000	0	0.000
2-5	213.5	3.19	44.50	192.11	23%	28	1.589	147.61	100%	192.1056	6.861	0.0000	0	0.000
2-6	188.0	1.88	1.22	94.02	1%	21	0.058	92.80	100%	94.01623	4.477	0.0000	0	0.000
3-1	534.0	3.17	0.00	373.81	0%	0	0.000	373.81	0%	0	0.000	373.8134	7	53.402
3-2	944.3	4.63	112.95	755.43	15%	81	1.394	642.48	100%	755.4299	9.326	0.0000	0	0.000
3-3	156.5	2.95	46.00	140.86	33%	27	1.704	94.86	100%	140.858	5.217	0.0000	0	0.000
3-4	225.9	3.99	53.00	203.29	26%	33	1.606	150.29	100%	203.2874	6.160	0.0000	0	0.000
3-5	126.4	2.76	79.88	113.77	70%	31	2.577	33.89	100%	113.7739	3.670	0.0000	0	0.000
3-6	216.8	2.01	73.50	184.26	40%	53	1.387	110.76	100%	184.2647	3.477	0.0000	0	0.000
4-1	467.7	3.02	125.05	420.94	30%	75	1.667	295.89	100%	420.9382	5.613	0.0000	0	0.000
4-2	113.0	2.94	61.50	101.70	60%	22	2.795	40.20	100%	101.697	4.623	0.0000	0	0.000
4-3	505.4	1.36	122.66	303.23	40%	146	0.840	180.57	100%	303.2295	2.077	0.0000	0	0.000
5-1	130.7	1.11	0.00	98.00	0%	0	0.000	98.00	0%	0	0.000	97.9999	2	49.000
5-2	506.7	4.64	0.00	354.69	0%	7	0.000	354.69	0%	0	0.000	354.6925	2	177.346
5-3	1851.5	6.14	188.50	1481.17	13%	77	2.448	1292.67	3%	227.28	2.952	1253.8872	2	626.944
5-4	454.2	3.30	5.50	272.53	2%	54	0.102	267.03	100%	272.5329	5.047	0.0000	0	0.000
5-5	24.7	0.43	38.00	38.27	99%	23	1.652	0.27	100%	38.2685	1.664	0.0000	0	0.000
6-1	98.8	1.78	39.00	69.18	56%	29	1.345	30.18	100%	69.18052	2.386	0.0000	0	0.000
7-1	2009.2	4.92	92.39	1607.35	6%	103	0.897	1514.97	5%	168.1335	1.632	1439.2210	5	287.844
7-2	737.1	1.42	0.00	221.12	0%	4	0.000	221.12	0%	0	0.000	221.1206	9	24.569
8-1	475.6	1.63	151.00	499.37	30%	83	1.819	348.37	20%	220.6745	2.659	278.6980	7	39.814
9-1	554.6	1.92	232.40	277.31	84%	119	1.953	44.91	100%	277.3119	2.330	0.0000	0	0.000
9-2	437.9	1.25	195.25	218.94	89%	112	1.743	23.69	100%	218.9358	1.955	0.0000	0	0.000
9-3	829.8	1.47	136.00	248.93	55%	97	1.402	112.93	100%	248.9263	2.566	0.0000	0	0.000

Sub-basin\City Zoning	Sum of flow	Flow per Area [gpm/ac]	Existing Flow for whole basin [gpm]	Realistic Buildout Flow for whole basin [gpm]	% BO	# Manholes in existing system	Existing Flow per Manhole [gpm]	Future additional basin flow [gpm]	% of addition flow to existing system (based on BO% and % infill)	flow to existing system for future model (additional flow + ex. flow) [gpm]	demand for existing system for future model (new flow + ex. flow/MH) [gpm/MH]	flow to new system for future model (additional flow) [gpm]	#Manholes in new system	demand for new system for future model (new flow/MH) [gpm/MH]
9-4	200.3	0.46	0.00	100.13	0%	0	0.000	100.13	0%	0	0.000	100.1298	9	11.126
10-1	191.0	0.53	39.00	95.51	41%	74	0.527	56.51	100%	95.51017	1.291	0.0000	0	0.000
10-2	894.9	1.07	213.00	536.92	40%	132	1.614	323.92	40%	342.5678	2.595	194.3517	3	64.784
10-3	443.0	1.13	175.53	265.79	66%	115	1.526	90.26	100%	265.7894	2.311	0.0000	0	0.000
10-4	500.9	1.31	161.00	400.69	40%	98	1.643	239.69	20%	208.9374	2.132	191.7495	3	63.916
10-5	151.1	0.48	88.00	105.77	83%	115	0.765	17.77	100%	105.7704	0.920	0.0000	0	0.000
11-1	271.0	0.35	0.00	81.30	0%	0	0.000	81.30	0%	0	0.000	81.3006	9	9.033
12-1	223.3	1.28	70.50	156.34	45%	42	1.679	85.84	100%	156.3441	3.722	0.0000	0	0.000
12-2	387.3	1.30	79.50	271.09	29%	74	1.074	191.59	100%	271.0907	3.663	0.0000	0	0.000
12-3	79.3	1.77	45.50	75.31	60%	36	1.264	29.81	100%	75.30884	2.092	0.0000	0	0.000
12-4	675.0	1.82	48.00	641.27	7%	67	0.716	593.27	20%	166.654	2.487	474.6160	3	158.205
13-1	1108.5	2.87	101.50	1053.08	10%	67	1.515	951.58	10%	196.6576	2.935	856.4188	7	122.346
13-2	574.0	0.79	0.00	286.98	0%	0	0.000	286.98	0%	0	0.000	286.9846	11	26.090
13-3	232.1	0.52	0.00	23.21	0%	0	0.000	23.21	0%	0	0.000	23.2078	6	3.868
14-1	1115.7	2.09	160.50	1004.11	16%	106	1.514	843.61	5%	202.6805	1.912	801.4291	10	80.143
14-2	1084.4	1.59	37.00	325.32	11%	31	1.194	288.32	5%	51.41585	1.659	273.9012	3	91.300
14-3	126.6	0.30	0.00	12.66	0%	0	0.000	12.66	0%	0	0.000	12.6570	5	2.531
15-1	2640.4	3.35	0.00	1320.20	0%	0	0.000	1320.20	0%	0	0.000	1320.1957	5	264.039
15-2	3039.3	3.37	0.00	2127.51	0%	0	0.000	2127.51	0%	0	0.000	2127.5085	13	163.655
16-1	3768.4	1.02	0.00	3391.57	0%	0	0.000	3391.57	0%	0	0.000	3391.5686	7	484.510
16-2	2947.9	1.58	0.00	2653.11	0%	0	0.000	2653.11	0%	0	0.000	2653.1059	3	884.369
17-1	1863.9	1.00	0.00	1770.70	0%	0	0.000	1770.70	0%	0	0.000	1770.7027	8	221.338
17-2	2054.9	0.82	0.00	1438.41	0%	0	0.000	1438.41	0%	0	0.000	1438.4092	10	143.841
17-3	800.3	0.50	0.00	480.18	0%	0	0.000	480.18	0%	0	0.000	480.1814	3	160.060
17-4	1471.8	0.78	0.00	1177.46	0%	0	0.000	1177.46	0%	0	0.000	1177.4648	13	90.574
18-1	69.9	0.05	0.00	13.99	0%	0	0.000	13.99	0%	0	0.000	13.9884	9	1.554
18-2	2939.9	1.71	0.00	881.96	0%	0	0.000	881.96	0%	0	0.000	881.9613	2	440.981
19-1	1028.2	1.14	0.00	719.76	0%	0	0.000	719.76	0%	0	0.000	719.7569	9	79.973
20-1	1745.3	0.91	0.00	698.12	0%	0	0.000	698.12	0%	0	0.000	698.1220	7	99.732
21-1	1201.8	0.84	0.00	721.08	0%	0	0.000	721.08	0%	0	0.000	721.0823	7	103.012
22-1	1458.8	1.25	0.00	583.52	0%	0	0.000	583.52	0%	0	0.000	583.5188	10	58.352

APPENDIX D

Model Output Results

IDtext	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (cfs)	Peakable Flow (cfs)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth (ft)	Froude Number	Full Flow (cfs)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity (ft/s)	Parallel Pipe Sizes	Realistic Parallel Pipe Sizes	NumPipes
01249	1116	1109	8	398.43	0.005	0.927	0.927	Pressurized	2.655	1	1.065	0.667	0.442	0.573	0.871	Yes	0.667	2.655	9.04	10	1
01250	1109	1110	8	183.7	0.003	0.929	0.929	Pressurized	2.661	1	1.374	0.667	0.388	0.574	0.676	Yes	0.667	2.661	9.95	10	1
01341	1146	1142	8	35.66	0.006	0.949	0.949	Pressurized	2.72	1	1.034	0.667	0.454	0.587	0.918	No	0.667	2.72	8.81	10	1
01342	1121	1146	8	357.95	0.003	0.946	0.946	Pressurized	2.709	1	1.383	0.667	0.39	0.585	0.684	Yes	0.667	2.709	10.02	12	1
01343	1143	1121	8	329.8	0.004	0.944	0.944	Pressurized	2.704	1	1.281	0.667	0.406	0.584	0.737	Yes	0.667	2.704	9.49	10	1
01344	2819	1119	8	407.02	0.006	0.94	0.94	Pressurized	2.693	1	1.016	0.667	0.456	0.581	0.925	No	0.667	2.693	8.78	10	1
02799	1110	2819	8	215.01	0.005	0.938	0.938	Pressurized	2.687	1	1.092	0.667	0.439	0.58	0.859	Yes	0.667	2.687	9.08	10	1
01156	1445	1446	12	234.58	0.001	0.731	0.731	Free Surface	1.165	0.745	0.904	0.745	0.357	0.242	0.808	No	0.745	1.165	8.62	10	2
02105	2103	447	8	173.66	0.001	0.393	0.393	Pressurized	1.125	1	1.007	0.667	0.291	0.243	0.39	No	0.667	1.125	6.83	8	2
00001	371.00	333	8	157.63	0.032	0.097	0.097	Free Surface	3.128	0.144	0.045	0.096	0.142	2.142	2.164	No	0.096	3.13			
00002	333.00	332	8	255.29	0.071	0.101	0.101	Free Surface	4.195	0.121	0.031	0.081	0.145	3.143	3.234	Yes	0.082	4.141			
00003	14	15	8	196.51	0.008	0.027	0.027	Free Surface	1.328	0.109	0.025	0.072	0.074	1.052	1.096	No	0.072	1.328			
00004	29	30	8	258.85	0.034	0.005	0.005	Free Surface	1.344	0.036	0.002	0.024	0.033	1.857	2.25	Yes	0.032	0.903			
00005	49	50	8	112.93	0.012	0.038	0.038	Free Surface	1.704	0.115	0.028	0.077	0.088	1.309	1.355	Yes	0.081	1.588			
00006	293	38	8	399.77	0.035	0.005	0.005	Free Surface	1.353	0.036	0.002	0.024	0.033	1.873	2.271	Yes	0.063	0.326			
00007	27	26	8	259.87	0.019	0.142	0.142	Free Surface	2.927	0.196	0.084	0.131	0.172	1.705	1.679	Yes	0.133	2.859			
00008	9	11	8	224.74	0.024	0.109	0.109	Free Surface	2.947	0.163	0.058	0.109	0.151	1.894	1.892	No	0.109	2.947			
00009	201	200	8	390.95	0.031	0.004	0.004	Free Surface	1.148	0.031	0.002	0.021	0.027	1.712	2.123	Yes	0.076	0.168			
00010	211	204	8	390.86	0.026	0.004	0.004	Free Surface	1.084	0.032	0.002	0.022	0.027	1.585	1.954	Yes	0.107	0.103			
00011	212	213	8	262.57	0.023	0.004	0.004	Free Surface	1.037	0.033	0.002	0.022	0.027	1.495	1.835	Yes	0.053	0.29			
00012	246	245	8	211.2	0.071	0.004	0.004	Free Surface	1.538	0.026	0.001	0.017	0.027	2.532	3.236	Yes	0.019	1.341			
00013	231	230	8	207.17	0.006	0.004	0.004	Free Surface	0.647	0.046	0.004	0.031	0.027	0.795	0.931	Yes	0.095	0.122			
00014	248	250	8	300.34	0	0.004	0.004	Free Surface	0.208	0.099	0.02	0.066	0.027	0.173	0.183	No	0.066	0.208			
00015	225	226	12	228.22	0.066	0.004	0.004	Free Surface	1.411	0.016	0	0.016	0.025	2.42	9.203	Yes	0.025	0.711			
00016	227	226	12	226.03	0.013	0.004	0.004	Free Surface	0.809	0.023	0.001	0.023	0.025	1.151	4.127	Yes	0.029	0.583			
00017	222	223	8	77.86	0.037	0.004	0.004	Free Surface	1.224	0.03	0.002	0.02	0.027	1.866	2.329	Yes	0.034	0.554			
00018	975	974	8	197.58	0.013	0.067	0.067	Free Surface	2.022	0.15	0.049	0.1	0.117	1.356	1.364	No	0.1	2.022			
00019	974	973	8	228.13	0.025	0.069	0.069	Free Surface	2.582	0.13	0.036	0.087	0.119	1.867	1.907	Yes	0.092	2.36			
00020	872	964	8	105.6	0.043	0.009	0.009	Free Surface	1.683	0.043	0.004	0.029	0.042	2.127	2.509	Yes	0.033	1.396			
00021	964	965	8	126.9	0.028	0.012	0.012	Free Surface	1.577	0.055	0.006	0.037	0.049	1.768	2.015	Yes	0.04	1.387			
00022	973	972	8	123.8	0.017	0.071	0.071	Free Surface	2.263	0.145	0.045	0.097	0.121	1.544	1.559	Yes	0.113	1.799			
00023	2845	228	8	265.75	0.055	0.134	0.134	Free Surface	4.16	0.148	0.047	0.099	0.167	2.813	2.835	Yes	0.13	2.777			
00024	255	254	12	334.72	0.009	0.004	0.004	Free Surface	0.705	0.025	0.001	0.025	0.025	0.957	3.381	Yes	1	0.005			
00025	332	331	8	225.68	0.071	0.105	0.105	Free Surface	4.246	0.123	0.032	0.082	0.147	3.153	3.238	No	0.082	4.246			
00026	331	330	8	212.99	0.092	0.109	0.109	Free Surface	4.685	0.118	0.03	0.079	0.15	3.556	3.67	Yes	0.088	3.975			
00027	330.00	329	8	141.51	0.04	0.113	0.113	Free Surface	3.553	0.146	0.046	0.098	0.153	2.414	2.436	Yes	0.115	2.807			
00028	329	328	8	119.97	0.013	0.117	0.117	Free Surface	2.374	0.198	0.086	0.132	0.156	1.377	1.355	Yes	0.149	2.01			
00029	328	327	8	366.29	0.005	0.12	0.12	Free Surface	1.791	0.247	0.134	0.165	0.158	0.923	0.898	No	0.165	1.791			
00030	327	326	8	168.92	0.006	0.124	0.124	Free Surface	1.889	0.244	0.13	0.162	0.161	0.982	0.955	No	0.162	1.889			
00031	326	70	8	146.81	0.037	0.128	0.128	Free Surface	3.569	0.16	0.055	0.106	0.163	2.32	2.322	Yes	0.122	2.943			
00032	68.00	70	8	231.48	0.003	0.008	0.008	Free Surface	0.645	0.076	0.012	0.05	0.039	0.615	0.671	Yes	0.094	0.26			
00033	69	68	8	279.74	0.007	0.004	0.004	Free Surface	0.697	0.045	0.004	0.03	0.028	0.864	1.014	Yes	0.04	0.451			
00034	215	204	8	443.49	0.034	0.163	0.163	Free Surface	3.716	0.184	0.074	0.122	0.185	2.243	2.219	Yes	0.157	2.6			
00035	221	215	8	350.13	0.056	0.007	0.007	Free Surface	1.75	0.037	0.003	0.025	0.039	2.382	2.873	Yes	0.074	0.351			
00036	247	462	8	359.73	0.008	0.004	0.004	Free Surface	0.715	0.043	0.003	0.029	0.027	0.908	1.074	Yes	0.068	0.197			
00038	67	70	8	205.64	0.071	0.058	0.058	Free Surface	3.554	0.093	0.018	0.062	0.109	3.046	3.233	Yes	0.1	1.787			
00039	66	67	8	131.93	0.011	0.054	0.054	Free Surface	1.81	0.141	0.043	0.094	0.106	1.254	1.27	No	0.094	1.81			
00040	265	66	8	385.21	0.007	0.004	0.004	Free Surface	0.694	0.045	0.004	0.03	0.028	0.86	1.009	Yes	0.062	0.238			
00041	325	66	8	115.49	0.045	0.004	0.004	Free Surface	1.328	0.029	0.002	0.019	0.028	2.05	2.568	Yes	0.057	0.271			
00042	70	324	8	216.8	0.031	0.198	0.198	Free Surface	3.84	0.205	0.092	0.137	0.204	2.186	2.146	No	0.137	3.84			
00043	324	323	8	205.26	0.051	0.202	0.202	Free Surface	4.589	0.184	0.074	0.122	0.207	2.77	2.74	Yes	0.127	4.349			
00044	323	322	8	131.92	0.039	0.206	0.206	Free Surface	4.21	0.198	0.086	0.132	0.209	2.445	2.405	Yes	0.157	3.286			
00045	322	321	8	243.27	0.011	0.21	0.21	Free Surface	2.717	0.273	0.163	0.182	0.211	1.328	1.288	No	0.182	2.717			
00046	321	95	8	141.12	0.023	0.214	0.214	Free Surface	3.518	0.23	0.116	0.153	0.213	1.885	1.838	No	0.153	3.518			
00047	95	96	8	104.26	0.035	0.217	0.217	Free Surface	4.1	0.209	0.096	0.14	0.215	2.311	2.265	Yes	0.146	3.839			
00048	257	9004	8	277.84	0.032	0.003	0.003	Free Surface	1.085	0.028	0.001	0.019	0.024	1.707	2.151	No	0.019	1.085			
00050	96	97	8	278.81	0.028	0.221	0.221	Free Surface	3.812	0.223	0.109	0.149	0.217	2.077	2.029	No	0.149	3.812			
00051	202	199	8	346.82	0.019	0.271	0.271	Free Surface	3.545	0.271	0.161	0.181	0.241	1.739	1.686	No	0.181	3.545			
00052	37	24	8	66.41	0.008	0.06	0.06	Free Surface	1.677	0.159	0.055	0.106	0.111	1.091	1.093	Yes	0.161	0.926			
00053	87	86	8	480.88	0.005	0.234	0.234	Free Surface	2.13	0.353	0.267	0.235	0.223	0.904	0.879	No	0.235	2.13			
00054	230	219	8	365.47	0.01	0.145	0.145	Free Surface	2.304	0.236	0.122	0.157	0.174	1.219	1.187	No	0.157	2.304			
00055	219	218	8	426.29	0.05	0.149	0.149	Free Surface	4.164	0.159	0.055	0.106	0.176	2.712	2.716	Yes	0.11	3.949			
00056	310	309	8	77.12	0.013	0.009	0.009	Free Surface	1.117	0.059	0.007	0.04	0.043	1.205	1.359	Yes	0.117	0.227			
00057	279	270	8	167.45	0.013	0.062	0.062	Free Surface	1.976	0.146	0.046	0.097	0.113	1.345	1.358	Yes	0.126	1.36			
00058	18	9004	8	248.43	0.035	0.084	0.084	Free Surface	3.082	0.132	0.037	0.088	0.132	2.211	2.254	No	0.088	3.082			
00059	19	18	8	188.89	0.009	0.072	0.072	Free Surface	1.811	0.171	0.064	0.114	0.122	1.135	1.129	No	0.114	1.811			
00060	47	206	8	133.01	0.052	0.003	0.003	Free Surface	1.292	0.025	0.001	0.017	0.024	2.157	2.769	Yes	0.018	1.166			
00061	207	210	8	120.88	0.103	0.009	0.009	Free Surface	2.288	0.036	0.002	0.024	0.042	3.196	3.886	Yes	0.035	1.261			
00062	206	207	8	121.85	0.094	0.006	0.006	Free Surface	1.962	0.03	0.002	0.02	0.035	2.985	3.723	Yes	0.02	1.906			
00063	235	229	8	235.94	0.003	0.087	0.087	Free Surface	1.335	0.242	0.129	0.161	0.134	0.696	0.677	No	0.161	1.335			
00066	43	42	8	78.67	0.055	0.03	0.03	Free Surface	2.664	0.072	0.011	0.048	0.078	2.6	2.854	Yes	0.055	2.169			
00067	42	20	8	129.67	0.029	0.033	0.033	Free Surface	2.179	0.088	0.016	0.059	0.082	1.921	2.053	Yes	0.068	1.773			
00068	45	44	8	301.83	0.11	0.03	0.03	Free Surface	3.381	0.061	0.007	0.041	0.078	3.582	4.018	Yes	0.043	3.143			
00069	44	20	8	109.23	0.079	0.033	0.033	Free Surface	3.103	0.069	0.01	0.046	0.082	3.089	3.408	Yes	0.061	2.045			
00070	616	844	8	121.06	0.029	0.003	0.003	Free Surface	1.08	0.03	0.002	0.02	0.025	1.655	2.068	Yes	0.047	0.302			
00071	1720	1115	15	493.74	0.018	0.878	0.878	Free Surface	4.508	0.216	0.102	0.27	0.367	1.826	8.6	No	0.27	4.508			
00072	20	19	8	143.61	0.045	0.069	0.069	Free Surface	3.187	0.113	0.027	0.075	0.119	2.48	2.573	Yes	0.093	2.345			
00073	448	229	8	48.02	0.012	0.004	0.004	Free Surface	0.872	0.041	0.003	0.028	0.029	1.128	1.34	Yes	0.094	0.143			
00074	405	406	12	212.95	0.01	0.518	0.518	Free Surface	3.282	0.255	0.142	0.255	0.299	1.359	3.639	No	0.255	3.282			
00075	80	79	8	95.06	0.054	0.009	0.009	Free Surface	1.81	0.041	0.003	0.027	0.042	2.361	2.812	Yes	0.03	1.588			
00076	79.00	78	8	130.13	0.059	0.013	0.013	Free Surface	2.113	0.048	0.004	0.032	0.051	2.532	2.941	Yes	0.035	1.887			
00077	78	82	8	122.6	0.056	0.017	0.017	Free Surface	2.265	0.056	0.006	0.037	0.059	2.52	2.866	Yes	0.042	1.911			
00078	82	405	8	236.75	0.035	0.022	0.022	Free Surface	2.052	0.069	0.01	0.046	0.066	2.044	2.255	Yes	0.151	0.368			
00079	81	80	8	104.95	0.006	0.004	0.004	Free Surface	0.683	0.049	0.005	0.033	0.03	0.81	0.939	No	0.033	0.683			
00080	298	92	8	172.66	0.034	0.004	0.004	Free Surface	1.253	0.033	0.002	0.022	0.03	1.824	2.245	Yes	0.168	0.063			
00081	94	320	8	134.31	0.009	0.004	0.004	Free Surface	0.773	0.042	0.003	0.028	0.028	0.994	1.178	Yes	0.15	0.066			
00082	408	409	8	210.83	0.014	0.326	0.326	Free Surface	3.324	0.324	0.228	0.216	0.265	1.477	1.433	Yes	0.285	2.295			
00083	267	264	8	299.68	0.067	0.003	0.003	Free Surface	1.407	0.024	0.001	0.016	0.024	2.417	3.131	Yes	0.021	0.913			
00084	72	73	8	131.4	0.075	0.039	0.039	Free Surface	3.203	0.076	0.012	0.051	0.089	3.038	3.309	Yes	0.059	2.577			
00086	179	163	8	124.48	0.009	0.009	0.009	Free Surface	0.984	0.061	0.007	0.041	0.042	1.043	1.17	No	0.041	0.984			
00087	395	179	8	220.51	0.012	0.004	0.004	Free Surface	0.857	0.042	0.003	0.028	0.03	1.098	1.301	Yes	0.036	0.594			
00088	163	162	8	172.79	0.034	0.013	0.013	Free Surface	1.744	0.055	0.006	0.037	0.051	1.957	2.231	Yes	0.047	1.2			
00090	161	160	8	62.69	0.029	0.009	0.009	Free Surface	1.464	0.047	0.004	0.031	0.042	1.777	2.072	Yes	0.034	1.316			

00091	178	161	8	348.89	0.027	0.004	0.004	Free Surface	1.149	0.035	0.002	0.023	0.03	1.626	1.984	Yes	0.028	0.854			
00092	160	159	8	124.57	0.06	0.013	0.013	Free Surface	2.131	0.048	0.004	0.032	0.051	2.56	2.977	Yes	0.039	1.599			
00093	159	172	8	311.19	0.024	0.017	0.017	Free Surface	1.677	0.068	0.009	0.046	0.059	1.683	1.861	Yes	0.061	1.093			
00094	396	162	8	66.73	0.014	0.009	0.009	Free Surface	1.135	0.056	0.006	0.037	0.042	1.264	1.438	Yes	0.047	0.793			
00095	397	396	8	279.08	0.006	0.004	0.004	Free Surface	0.685	0.049	0.005	0.033	0.03	0.814	0.943	Yes	0.035	0.622			
00096	441.00	177	8	304.83	0.009	0.013	0.013	Free Surface	1.097	0.075	0.011	0.05	0.051	1.05	1.147	Yes	0.053	1.001			
00097	176	441	8	161.09	0.013	0.004	0.004	Free Surface	0.892	0.041	0.003	0.027	0.03	1.158	1.378	Yes	0.04	0.505			
00098	89.00	266	8	176.39	0.013	0.065	0.065	Free Surface	2.005	0.149	0.048	0.099	0.116	1.35	1.359	No	0.099	2.01			
00099	177	89	8	265.03	0.01	0.017	0.017	Free Surface	1.225	0.085	0.015	0.056	0.059	1.104	1.186	Yes	0.078	0.763			
00100	88	441	8	84.62	0.009	0.004	0.004	Free Surface	0.801	0.044	0.004	0.029	0.03	1.003	1.18	Yes	0.041	0.486			
00101	65	2967	8	306	0.005	0.039	0.039	Free Surface	1.222	0.148	0.047	0.098	0.089	0.827	0.834	Yes	0.11	1.039			
00102	175	182	8	81.13	0.024	0.013	0.013	Free Surface	1.536	0.06	0.007	0.04	0.051	1.65	1.859	Yes	0.061	0.826			
00103	425	422	8	321.18	0.032	0.012	0.012	Free Surface	1.647	0.053	0.005	0.035	0.048	1.884	2.16	Yes	0.061	0.739			
00104	185	389	8	155.04	0.069	0.126	0.126	Free Surface	4.426	0.136	0.04	0.091	0.162	3.123	3.174	Yes	0.102	3.727			
00105	379	191	8	351	0.032	0.048	0.048	Free Surface	2.546	0.102	0.022	0.068	0.099	2.081	2.184	Yes	0.074	2.24			
00106	297	191	8	328.7	0.041	0.004	0.004	Free Surface	1.335	0.031	0.002	0.021	0.03	1.986	2.461	Yes	0.051	0.357			
00107	191	190	8	338.93	0.022	0.057	0.057	Free Surface	2.354	0.121	0.031	0.081	0.108	1.765	1.817	Yes	0.089	2.041			
00108	190	185	8	133.36	0.048	0.122	0.122	Free Surface	3.861	0.146	0.046	0.097	0.159	2.628	2.652	No	0.097	3.861			
00109	388	190	8	131.74	0.05	0.061	0.061	Free Surface	3.176	0.104	0.023	0.069	0.112	2.577	2.7	Yes	0.083	2.423			
00110	387	388	8	390.28	0.034	0.057	0.057	Free Surface	2.73	0.109	0.025	0.073	0.108	2.156	2.244	No	0.073	2.73			
00111	192	296	8	335.22	0.006	0.004	0.004	Free Surface	0.695	0.049	0.005	0.032	0.03	0.828	0.961	Yes	0.038	0.559			
00112	62	384	8	299.84	0.007	0.009	0.009	Free Surface	0.898	0.065	0.008	0.044	0.042	0.922	1.026	Yes	0.049	0.748			
00113	386.00	387	8	240.85	0.004	0.048	0.048	Free Surface	1.234	0.168	0.062	0.112	0.099	0.78	0.777	No	0.112	1.234			
00114	106	386	8	281.77	0.006	0.044	0.044	Free Surface	1.355	0.148	0.047	0.098	0.094	0.917	0.924	Yes	0.105	1.229			
00115	296	385	8	374.69	0.008	0.009	0.009	Free Surface	0.926	0.064	0.008	0.043	0.042	0.962	1.073	Yes	0.046	0.819			
00116	384	109	8	250.06	0.006	0.013	0.013	Free Surface	0.954	0.082	0.014	0.055	0.051	0.87	0.938	Yes	0.056	0.922			
00117	61	387	8	249.57	0.037	0.004	0.004	Free Surface	1.286	0.032	0.002	0.021	0.03	1.889	2.331	Yes	0.047	0.399			
00118	108	107	8	299.73	0.024	0.022	0.022	Free Surface	1.796	0.076	0.012	0.051	0.066	1.71	1.863	Yes	0.059	1.435			
00119	109	108	8	242.69	0.009	0.017	0.017	Free Surface	1.19	0.086	0.015	0.058	0.059	1.061	1.138	No	0.058	1.19			
00120	385.00	107	8	389.95	0.009	0.013	0.013	Free Surface	1.096	0.075	0.011	0.05	0.051	1.048	1.145	Yes	0.059	0.867			
00121	107	106	8	298.81	0.023	0.039	0.039	Free Surface	2.126	0.101	0.021	0.067	0.089	1.749	1.838	Yes	0.083	1.567			
00122	440	382	8	302.03	0.007	0.03	0.03	Free Surface	1.272	0.121	0.031	0.08	0.079	0.955	0.983	Yes	0.084	1.19			
00123	381.00	440	8	302.01	0.023	0.026	0.026	Free Surface	1.869	0.084	0.014	0.056	0.073	1.693	1.822	Yes	0.068	1.392			
00124	382	65	8	256.87	0.006	0.035	0.035	Free Surface	1.275	0.132	0.037	0.088	0.084	0.914	0.932	Yes	0.093	1.174			
00125	64	381	8	343.73	0.008	0.009	0.009	Free Surface	0.945	0.063	0.008	0.042	0.042	0.989	1.105	Yes	0.049	0.756			
00126	380	64	8	349.67	0.007	0.004	0.004	Free Surface	0.717	0.048	0.004	0.032	0.03	0.864	1.006	Yes	0.037	0.574			
00127	184	383	8	377.61	0.008	0.004	0.004	Free Surface	0.755	0.046	0.004	0.031	0.03	0.926	1.084	Yes	0.037	0.567			
00128	383	183	8	393.28	0.007	0.009	0.009	Free Surface	0.893	0.066	0.009	0.044	0.042	0.916	1.018	No	0.044	0.893			
00129	183	381	8	295.96	0.022	0.013	0.013	Free Surface	1.5	0.061	0.007	0.04	0.051	1.599	1.797	Yes	0.048	1.161			
00130	403	93	8	119.35	0.004	0.226	0.226	Free Surface	1.9	0.374	0.298	0.249	0.219	0.779	0.76	Yes	0.298	1.5			
00131	92	403	8	128.17	0.002	0.222	0.222	Free Surface	1.37	0.472	0.452	0.314	0.217	0.489	0.49	No	0.314	1.37			
00132	76	77	8	87.89	0.015	0.205	0.205	Free Surface	2.977	0.251	0.138	0.167	0.208	1.522	1.479	Yes	0.188	2.526			
00133	77	299	8	162.45	0.007	0.209	0.209	Free Surface	2.23	0.314	0.213	0.209	0.21	1.01	0.979	No	0.209	2.23			
00134	299.00	92	8	132.74	0.013	0.213	0.213	Free Surface	2.843	0.267	0.156	0.178	0.212	1.405	1.363	Yes	0.246	1.819			
00135	74	75	8	213.12	0.027	0.048	0.048	Free Surface	2.401	0.107	0.024	0.071	0.099	1.922	2.007	Yes	0.077	2.149			
00136	75	76	8	117.96	0.018	0.052	0.052	Free Surface	2.115	0.123	0.032	0.082	0.103	1.57	1.613	Yes	0.125	1.155			
00137	393.00	76	8	341.19	0.027	0.148	0.148	Free Surface	3.333	0.185	0.075	0.123	0.176	2.006	1.983	Yes	0.145	2.632			
00138	73	74	8	180.12	0.029	0.044	0.044	Free Surface	2.37	0.101	0.021	0.067	0.094	1.952	2.053	Yes	0.069	2.273			
00139	391	393	8	329.5	0.025	0.144	0.144	Free Surface	3.211	0.186	0.075	0.124	0.173	1.927	1.904	No	0.124	3.211			
00140	389	391	8	326	0.031	0.135	0.135	Free Surface	3.419	0.17	0.063	0.114	0.168	2.147	2.137	Yes	0.119	3.207			
00141	392	391	8	271.74	0.005	0.004	0.004	Free Surface	0.635	0.052	0.005	0.034	0.03	0.734	0.844	Yes	0.079	0.186			
00142	390	389	8	356.53	0.006	0.004	0.004	Free Surface	0.695	0.049	0.005	0.032	0.03	0.83	0.962	Yes	0.073	0.21			
00143	170	169	10	222.49	0.029	0.074	0.074	Free Surface	2.694	0.098	0.02	0.081	0.116	2.015	3.715	Yes	0.094	2.187			
00144	158	157	10	300.41	0.033	0.231	0.231	Free Surface	3.98	0.163	0.058	0.136	0.207	2.287	3.99	No	0.136	3.98			
00145	171	170	8	178.97	0.036	0.065	0.065	Free Surface	2.893	0.116	0.028	0.077	0.116	2.217	2.293	Yes	0.079	2.782			
00146	155	154	8	215.82	0.006	0.135	0.135	Free Surface	1.913	0.256	0.143	0.171	0.168	0.968	0.94	Yes	0.179	1.782			
00147	167	164	8	288.62	0.022	0.004	0.004	Free Surface	1.066	0.036	0.002	0.024	0.03	1.47	1.78	Yes	0.081	0.181			
00148	154	401	8	240.59	0.004	0.139	0.139	Free Surface	1.721	0.282	0.174	0.188	0.171	0.826	0.8	Yes	0.189	1.707			
00149	400.00	170	8	349.75	0.006	0.004	0.004	Free Surface	0.683	0.049	0.005	0.033	0.03	0.811	0.939	Yes	0.057	0.301			
00150	186	187	8	102.26	0.02	0.009	0.009	Free Surface	1.29	0.051	0.005	0.034	0.042	1.5	1.728	Yes	0.037	1.155			
00151	2604	186	8	119.88	0.028	0.004	0.004	Free Surface	1.168	0.034	0.002	0.023	0.03	1.662	2.031	Yes	0.028	0.843			
00152	398	172	8	186.02	0.022	0.004	0.004	Free Surface	1.075	0.036	0.002	0.024	0.03	1.486	1.801	Yes	0.05	0.363			
00153	172	399	8	327	0.006	0.026	0.026	Free Surface	1.18	0.114	0.028	0.076	0.073	0.91	0.943	Yes	0.078	1.135			
00154	173	166	8	241.64	0.027	0.004	0.004	Free Surface	1.147	0.035	0.002	0.023	0.03	1.622	1.979	Yes	0.036	0.585			
00155	166	394	8	225.9	0.029	0.026	0.026	Free Surface	2.034	0.079	0.013	0.053	0.073	1.897	2.057	Yes	0.08	1.099			
00156	187	165	8	332.44	0.025	0.013	0.013	Free Surface	1.564	0.059	0.007	0.039	0.051	1.691	1.907	Yes	0.044	1.321			
00157	165	166	8	109.04	0.018	0.017	0.017	Free Surface	1.514	0.073	0.011	0.049	0.059	1.467	1.606	Yes	0.049	1.496			
00158	174	171	8	153.77	0.033	0.03	0.03	Free Surface	2.227	0.082	0.014	0.055	0.079	2.033	2.192	Yes	0.067	1.66			
00159	162	174	8	189.56	0.02	0.026	0.026	Free Surface	1.784	0.086	0.015	0.058	0.073	1.59	1.705	No	0.058	1.784			
00160	71	72	8	233.83	0.039	0.035	0.035	Free Surface	2.469	0.084	0.015	0.056	0.084	2.23	2.398	No	0.056	2.469			
00161	374	71	8	101.19	0.05	0.03	0.03	Free Surface	2.582	0.075	0.011	0.05	0.079	2.48	2.709	Yes	0.053	2.356			
00162	373	374	8	217.15	0.067	0.026	0.026	Free Surface	2.726	0.065	0.008	0.043	0.073	2.813	3.133	Yes	0.046	2.447			
00163	1830	373	8	342.17	0.042	0.013	0.013	Free Surface	1.883	0.052	0.005	0.035	0.051	2.169	2.492	Yes	0.039	1.588			
00164	375	373	8	164.04	0.011	0.009	0.009	Free Surface	1.029	0.06	0.007	0.04	0.042	1.107	1.248	Yes	0.041	0.966			
00165	372	375	8	224.15	0.04	0.004	0.004	Free Surface	1.326	0.032	0.002	0.021	0.03	1.968	2.437	Yes	0.03	0.766			
00166	311	91	8	302.51	0.003	0.287	0.287	Free Surface	1.727	0.482	0.469	0.321	0.248	0.609	0.612	No	0.321	1.727			
00167	114	89	8	168.17	0.018	0.044	0.044	Free Surface	2.032	0.112	0.026	0.075	0.094	1.587	1.648	Yes	0.087	1.623			
00168	90	114	8	272.04	0.006	0.039	0.039	Free Surface	1.334	0.139	0.041	0.093	0.089	0.932	0.945	No	0.093	1.334			
00169	169.00	168	10	197.92	0.011	0.078	0.078	Free Surface	1.985	0.125	0.033	0.104	0.12	1.308	2.343	No	0.104	1.985			
00170	401	158	10	255.53	0.008	0.226	0.226	Free Surface	2.411	0.228	0.114	0.19	0.205	1.16	1.977	No	0.19	2.411			
00171	157	156	10	275.85	0.04	0.235	0.235	Free Surface	4.27	0.157	0.054	0.131	0.209	2.499	4.375	Yes	0.168	2.979			
00172	402	93	10	147.36	0.041	0.244	0.244	Free Surface	4.382	0.159	0.055	0.132	0.213	2.555	4.47	Yes	0.239	1.883			
00173	181	90	8	94.1	0.017	0.035	0.035	Free Surface	1.85	0.102	0.022	0.068	0.084	1.511	1.586	Yes	0.081	1.43			
00174	182	181	8	184.27	0.005	0.026	0.026	Free Surface	1.072	0.122	0.032	0.081	0.073	0.8	0.823	No	0.081	1.072			
00175	168	401	10	343.61	0.025	0.083	0.083	Free Surface	2.651	0.107	0.024	0.089	0.123	1.897	3.461	Yes	0.14	1.373			
00176	156.00	402	10	129.49	0.007	0.239	0.239	Free Surface	2.284	0.247	0.134	0.206	0.211	1.054	1.79	No	0.206	2.284			
00177	93.00	404	12	112.82	0.003	0.474	0.474	Free Surface	1.966	0.346	0.257	0.346	0.285	0.688	1.842	No	0.346	1.966			
00178	404	85	12	382.73	0.009	0.479	0.479	Free Surface	3.067	0.253	0.14	0.253	0.287	1.276	3.416	No	0.253	3.067			
00179	84	83	12	334.57	0.044	0.487	0.487	Free Surface	5.378	0.173	0.065	0.173	0.289	2.738	7.498	No	0.173	5.378			
00180	85	84	12	299.71	0.039	0.483	0.483	Free Surface	5.146	0.177	0.068	0.177	0.288	2.586	7.07	No	0.177	5.146			
00181	83	405	12	92.61	0.057	0.492	0.492	Free Surface	5.912	0.163	0.058	0.163	0.291	3.104	8.546	Yes	0.209	4.134			
00182	407	98	12	390.86	0.007	0.524	0.524	Free Surface	2.824	0.286	0.179	0.286	0.3	1.099	2.934	Yes	0.341	2.214			
00183	406.00	407	12	408.07	0.031	0.521	0.521	Free Surface	4.834	0.195	0.083	0.195	0.299	2.31	6.27	Yes	0.241	3.583			
00184	97	98	8	192.78	0.03	0.225	0.225	Free Surface	3.905	0.222	0.108	0.148	0.219	2.133	2.084	Yes	0.272	1.68			
00185	417	418	8	216.17	0.041	0.004	0.004	Free Surface	1.288	0.03	0.002	0.02	0.028	1.968	2.458	Yes	0.027	0.82			
00186	418	415	8	213.43	0.017	0.008	0.008	Free Surface	1.161	0.051	0.005	0.034	0.039	1.354	1.56	Yes	0.046	0.746			
00187	316	409	12	300.16	0.013	0.918	0.918	Free Surface	4.197	0.322	0.225	0.322	0.402	1.529	4.086	Yes	0.337	3.942			
00188	422	433	8	284.24	0.029	0.074	0.074	Free Surface	2.803	0.129	0.035	0.086	0.123	2.035	2.08	Yes	0.667	0.211			
00189	91	408	8	234.71	0.004	0.322	0.322	Free Surface	2.188	0.439	0.398	0.292	0.263	0.817	0.81	No	0.292	2.188			
00190	1833	371	8	215.67	0.041	0.031	0.031	Free Surface	2.418	0.079	0.013	0.053	0.079	2.255	2.445	Yes	0.074	1.455			
00191	1847	371	8	158.62	0.013	0.062	0.062	Free Surface	1.984	0.145	0.045	0.097	0.113	1.354	1.367	No	0.097	1.984			
00192	445	210	8	113.29	0.005	0.003	0.003	Free Surface	0.578	0.043	0.003	0.029	0.024	0.736	0.87	Yes	0.038	0.381			

00193	455	312	12	78.86	0.006	1.252	1.252	Free Surface	3.532	0.462	0.436	0.462	0.472	1.044	2.873	No	0.462	3.532			
00194	266	189	8	198.35	0.029	0.07	0.07	Free Surface	2.742	0.126	0.034	0.084	0.12	2.016	2.066	Yes	0.105	1.962			
00195	189	294	8	159.1	0.007	0.078	0.078	Free Surface	1.686	0.191	0.08	0.127	0.127	0.998	0.984	No	0.127	1.69			
00196	409	455	12	14.82	0.017	1.248	1.248	Free Surface	5.011	0.354	0.269	0.354	0.471	1.73	4.639	Yes	0.408	4.144			
00197	204	200	8	308.08	0.006	0.171	0.171	Free Surface	1.992	0.294	0.189	0.196	0.19	0.934	0.905	No	0.196	1.992			
00198	220	221	8	215.93	0.061	0.004	0.004	Free Surface	1.458	0.027	0.001	0.018	0.027	2.358	2.998	Yes	0.02	1.2			
00199	218	215	8	352.12	0.04	0.152	0.152	Free Surface	3.86	0.17	0.063	0.114	0.179	2.424	2.412	Yes	0.118	3.641			
00200	251	252	8	430.53	0.018	0.078	0.078	Free Surface	2.396	0.149	0.048	0.099	0.127	1.613	1.624	Yes	0.13	1.634			
00201	252	253	8	58.29	0.006	0.115	0.115	Free Surface	1.785	0.24	0.127	0.16	0.155	0.935	0.91	No	0.16	1.785			
00202	250	249	12	217.97	0.032	0.007	0.007	Free Surface	1.353	0.026	0.001	0.026	0.035	1.812	6.374	Yes	0.053	0.458			
00203	243	249	8	58.21	0.001	0.015	0.015	Free Surface	0.593	0.125	0.033	0.083	0.055	0.438	0.449	No	0.083	0.593			
00204	463	462	8	370.82	0.052	0.063	0.063	Free Surface	3.258	0.105	0.023	0.07	0.114	2.634	2.757	Yes	0.089	2.28			
00205	549.00	463	8	262.9	0.045	0.022	0.022	Free Surface	2.26	0.066	0.009	0.044	0.067	2.308	2.564	Yes	0.055	1.619			
00206	465	468	8	195.07	0.014	0.033	0.033	Free Surface	1.705	0.105	0.023	0.07	0.082	1.373	1.435	Yes	0.076	1.519			
00207	466	465	8	147.57	0.054	0.026	0.026	Free Surface	2.526	0.068	0.009	0.045	0.073	2.542	2.812	Yes	0.058	1.766			
00208	249	242	8	226.56	0.005	0.026	0.026	Free Surface	1.073	0.122	0.032	0.081	0.073	0.802	0.825	No	0.081	1.073			
00209	242	241	8	171.77	0.024	0.03	0.03	Free Surface	1.97	0.088	0.016	0.059	0.078	1.738	1.858	No	0.059	1.97			
00210	241	233	8	225.36	0.077	0.033	0.033	Free Surface	3.093	0.07	0.01	0.047	0.082	3.061	3.372	Yes	0.051	2.703			
00211	233	232	8	399.38	0.058	0.037	0.037	Free Surface	2.88	0.079	0.013	0.053	0.087	2.681	2.906	Yes	0.062	2.3			
00212	232	213	8	255.71	0.043	0.063	0.063	Free Surface	3.046	0.109	0.025	0.073	0.114	2.405	2.504	Yes	0.078	2.766			
00213	213.00	214	8	267.92	0.033	0.071	0.071	Free Surface	2.886	0.123	0.032	0.082	0.12	2.15	2.21	Yes	0.085	2.715			
00214	214	216	8	203.65	0.031	0.074	0.074	Free Surface	2.872	0.127	0.035	0.085	0.124	2.098	2.148	Yes	0.09	2.635			
00215	217	203	8	206.22	0.025	0.004	0.004	Free Surface	1.073	0.033	0.002	0.022	0.027	1.564	1.926	Yes	0.061	0.231			
00216	216	203	8	254.04	0.02	0.078	0.078	Free Surface	2.475	0.146	0.046	0.097	0.127	1.686	1.701	Yes	0.099	2.408			
00217	203	457	8	258.99	0.02	0.085	0.085	Free Surface	2.549	0.152	0.05	0.101	0.133	1.698	1.707	Yes	0.135	1.697			
00218	200	202	8	412.43	0.03	0.178	0.178	Free Surface	3.655	0.197	0.085	0.132	0.194	2.124	2.09	Yes	0.157	2.837			
00219	457	202	8	132.06	0.003	0.089	0.089	Free Surface	1.295	0.251	0.139	0.168	0.136	0.662	0.643	Yes	0.175	1.217			
00220	245	244	8	190.43	0.055	0.007	0.007	Free Surface	1.736	0.038	0.003	0.025	0.039	2.357	2.84	Yes	0.033	1.175			
00221	244	243	8	405.46	0.028	0.011	0.011	Free Surface	1.551	0.053	0.006	0.036	0.047	1.765	2.021	Yes	0.059	0.728			
00222	226	224	8	262.02	0.024	0.011	0.011	Free Surface	1.464	0.055	0.006	0.037	0.047	1.633	1.859	No	0.037	1.464			
00223	224	223	8	274.54	0.04	0.015	0.015	Free Surface	1.929	0.056	0.006	0.037	0.055	2.144	2.438	Yes	0.043	1.582			
00224	223	232	8	418.92	0.024	0.022	0.022	Free Surface	1.827	0.076	0.012	0.051	0.067	1.734	1.889	Yes	0.061	1.413			
00226	464	465	8	158.44	0.018	0.004	0.004	Free Surface	0.948	0.035	0.002	0.024	0.027	1.325	1.611	Yes	0.047	0.343			
00227	550	466	8	229.13	0.027	0.019	0.019	Free Surface	1.804	0.068	0.009	0.045	0.061	1.815	2.008	Yes	0.047	1.708			
00228	472	473	12	210.67	0.05	0.004	0.004	Free Surface	1.279	0.017	0	0.017	0.025	2.122	7.988	Yes	0.029	0.567			
00229	474	469	12	190.23	0.033	0.004	0.004	Free Surface	1.109	0.019	0.001	0.019	0.025	1.754	6.501	Yes	0.032	0.502			
00230	475	476	12	176.07	0.023	0.004	0.004	Free Surface	0.984	0.02	0.001	0.02	0.025	1.495	5.472	Yes	0.041	0.344			
00231	473.00	469	12	281.37	0.026	0.015	0.015	Free Surface	1.56	0.037	0.003	0.037	0.049	1.734	5.766	Yes	0.041	1.361			
00232	471	473	12	241.4	0.067	0.007	0.007	Free Surface	1.755	0.022	0.001	0.022	0.035	2.567	9.281	Yes	0.031	1.007			
00233	469	476	12	272.53	0.027	0.022	0.022	Free Surface	1.785	0.045	0.004	0.045	0.06	1.811	5.859	Yes	0.053	1.391			
00234	476	477	12	125.2	0.014	0.03	0.03	Free Surface	1.558	0.06	0.007	0.06	0.07	1.368	4.247	Yes	0.071	1.194			
00235	470	471	12	286.15	0.01	0.004	0.004	Free Surface	0.741	0.024	0.001	0.024	0.025	1.024	3.639	No	0.024	0.741			
00236	479	507	8	356.85	0.025	0.017	0.017	Free Surface	1.708	0.067	0.009	0.045	0.059	1.731	1.919	Yes	0.111	0.452			
00237	369	363	8	262.52	0.025	0.09	0.09	Free Surface	2.8	0.148	0.047	0.099	0.136	1.893	1.908	No	0.099	2.8			
00238	353	352	8	60.99	0.002	0.196	0.196	Free Surface	1.358	0.431	0.386	0.288	0.203	0.512	0.507	No	0.288	1.358			
00239	362	563	8	122.43	0.034	0.121	0.121	Free Surface	3.408	0.158	0.054	0.106	0.159	2.223	2.226	Yes	0.11	3.23			
00240	553	552	8	141.59	0.061	0.003	0.003	Free Surface	1.381	0.024	0.001	0.016	0.025	2.33	3	Yes	0.026	0.692			
00241	705	552	8	251.41	0.024	0.012	0.012	Free Surface	1.515	0.058	0.007	0.039	0.05	1.648	1.863	No	0.039	1.515			
00242	1137	1138	8	243.63	0.024	0.034	0.034	Free Surface	2.064	0.094	0.018	0.063	0.083	1.762	1.869	No	0.063	2.064			
00243	1139	557	8	253.75	0.032	0.028	0.028	Free Surface	2.15	0.08	0.013	0.053	0.075	1.997	2.163	Yes	0.053	2.143			
00244	1140	1139	8	160.37	0.066	0.025	0.025	Free Surface	2.673	0.063	0.008	0.042	0.071	2.786	3.112	Yes	0.047	2.317			
00245	348	352	8	66.35	0.008	0.003	0.003	Free Surface	0.675	0.04	0.003	0.026	0.025	0.894	1.069	Yes	0.122	0.071			
00246	1057	1059	8	173.03	0.043	0.003	0.003	Free Surface	1.229	0.027	0.001	0.018	0.025	1.986	2.524	Yes	0.026	0.706			
00247	1059	1060	8	296.24	0.005	0.005	0.005	Free Surface	0.635	0.054	0.006	0.036	0.031	0.715	0.816	No	0.036	0.635			
00248	1060	1141	8	120.02	0.035	0.006	0.006	Free Surface	1.404	0.039	0.003	0.026	0.035	1.879	2.254	No	0.026	1.404			
00249	1141	1673	8	116.4	0.032	0.008	0.008	Free Surface	1.466	0.044	0.004	0.029	0.04	1.845	2.174	Yes	0.035	1.12			
00250	1074	1073	8	37.58	0.038	0.003	0.003	Free Surface	1.178	0.027	0.001	0.018	0.025	1.878	2.376	Yes	0.019	1.098			
00251	1078	1074	8	312.46	0.02	0.002	0.002	Free Surface	0.759	0.023	0.001	0.015	0.018	1.317	1.711	Yes	0.017	0.662			
00252	33	32	8	154.48	0.054	0.005	0.005	Free Surface	1.569	0.033	0.002	0.022	0.033	2.284	2.812	Yes	0.034	0.815			
00253	34	13	8	255.38	0.005	0.005	0.005	Free Surface	0.68	0.057	0.006	0.038	0.033	0.745	0.844	Yes	0.04	0.631			
00254	36	32	8	119.28	0.027	0.005	0.005	Free Surface	1.241	0.038	0.003	0.026	0.033	1.669	2.006	Yes	0.036	0.753			
00255	35	14	8	262.11	0.006	0.005	0.005	Free Surface	0.72	0.055	0.006	0.037	0.033	0.805	0.916	Yes	0.054	0.404			
00256	1281	1169	8	242.11	0.016	0.073	0.073	Free Surface	2.23	0.149	0.048	0.1	0.122	1.5	1.51	Yes	0.101	2.171			
00257	496	2877	8	255.23	0.016	0.006	0.006	Free Surface	1.053	0.044	0.004	0.03	0.034	1.317	1.549	Yes	0.535	0.019			
00258	528	546	8	209.06	0.005	0.409	0.409	Free Surface	2.471	0.48	0.466	0.32	0.298	0.873	0.878	No	0.32	2.471			
00260	513	511	8	252.48	0.028	0.012	0.012	Free Surface	1.608	0.056	0.006	0.037	0.05	1.784	2.027	Yes	0.041	1.428			
00261	59	60	8	235.46	0.035	0.003	0.003	Free Surface	1.137	0.028	0.001	0.019	0.025	1.799	2.272	Yes	0.021	0.951			
00262	60	2848	8	331.79	0.05	0.006	0.006	Free Surface	1.589	0.035	0.002	0.024	0.035	2.228	2.711	Yes	0.027	1.316			
00263	548	490	8	194.6	0.025	0.017	0.017	Free Surface	1.713	0.067	0.009	0.045	0.059	1.738	1.928	Yes	0.088	0.628			
00264	489	548	8	280.59	0.007	0.011	0.011	Free Surface	0.99	0.074	0.011	0.049	0.048	0.956	1.046	No	0.049	0.99			
00265	484	483	8	213.04	0.024	0.006	0.006	Free Surface	1.204	0.04	0.003	0.027	0.034	1.576	1.878	Yes	0.031	0.98			
00266	468	463	8	131.37	0.008	0.037	0.037	Free Surface	1.462	0.126	0.034	0.084	0.087	1.075	1.102	No	0.084	1.462			
00267	462	461	8	193.16	0.012	0.071	0.071	Free Surface	2.027	0.156	0.053	0.104	0.12	1.332	1.336	Yes	0.109	1.9			
00269	193	142	12	348.65	0.007	0.101	0.101	Free Surface	1.725	0.128	0.035	0.128	0.13	1.025	2.889	Yes	0.225	0.768			
00270	141	2040	15	530.45	0.016	2.307	2.307	Free Surface	5.716	0.364	0.283	0.455	0.607	1.739	8.155	No	0.455	5.716			
00272	529	530	8	330.63	0.025	0.006	0.006	Free Surface	1.244	0.042	0.003	0.028	0.035	1.601	1.899	Yes	0.108	0.17			
00273	531.00	530	8	199.78	0.017	0.391	0.391	Free Surface	3.755	0.339	0.247	0.226	0.291	1.629	1.582	No	0.226	3.755			
00275	833	645	8	229.96	0.007	0.007	0.007	Free Surface	0.834	0.06	0.007	0.04	0.038	0.894	1.006	Yes	0.067	0.394			
00276	622	636	8	251.04	0.011	0.006	0.006	Free Surface	0.917	0.048	0.004	0.032	0.034	1.102	1.282	Yes	0.123	0.127			
00277	339	338	8	370.87	0.012	0.252	0.252	Free Surface	2.921	0.295	0.19	0.197	0.231	1.367	1.325	No	0.197	2.921			
00278	338.00	680	8	240.23	0.025	0.255	0.255	Free Surface	3.837	0.246	0.132	0.164	0.233	1.985	1.931	No	0.164	3.837			
00279	680.00	689	8	239.89	0.032	0.259	0.259	Free Surface	4.19	0.233	0.119	0.155	0.235	2.229	2.173	No	0.155	4.19			
00280	340	339	8	185.91	0.009	0.249	0.249	Free Surface	2.638	0.315	0.215	0.21	0.23	1.192	1.155	No	0.21	2.638			
00281	689	688	8	122.62	0.038	0.263	0.263	Free Surface	4.467	0.225	0.111	0.15	0.237	2.421	2.364	Yes	0.164	3.951			
00282	688	687	8	119.04	0.02	0.274	0.274	Free Surface	3.594	0.271	0.16	0.181	0.242	1.764	1.711	No	0.181	3.594			
00283	687	685	8	241.83	0.039	0.278	0.278	Free Surface	4.573	0.23	0.117	0.154	0.244	2.448	2.387	Yes	0.155	4.53			
00284	686	685	8	280.17	0.003	0.004	0.004	Free Surface	0.49	0.056	0.006	0.037	0.028	0.544	0.619	Yes	0.097	0.122			
00285	685.00	699	8	221.55	0.039	0.286	0.286	Free Surface	4.628	0.233	0.119	0.155	0.247	2.464	2.402	Yes	0.172	4.02			
00286	699	698	8	120.06	0.021	0.29	0.29	Free Surface	3.725	0.274	0.165	0.183	0.249	1.816	1.76	Yes	0.187	3.612			
00287	698.00	336	8	337.93	0.02	0.293	0.293	Free Surface	3.673	0.28	0.171	0.186	0.251	1.772	1.718	No	0.186	3.673			
00288	336	586	8	289.43	0.031	0.301	0.301	Free Surface	4.317	0.254	0.141	0.169	0.254	2.194	2.132	Yes	0.174	4.164			
00289	337	336	8	280.16	0.009	0.004	0.004	Free Surface	0.761	0.042	0.003	0.028	0.028	0.98	1.163	Yes	0.099	0.116			
00290	586	585	8	301.67	0.026	0.305	0.305	Free Surface	4.058	0.268	0.157	0.178	0.256	2.005	1.945	No	0.178	4.058			
00291	585	583	8	298.94	0.029	0.309	0.309	Free Surface	4.227	0.262	0.151	0.175	0.257	2.111	2.049	Yes	0.18	4.052			
00292	583	582	8	228.31	0.023	0.312	0.312	Free Surface	3.909	0.28	0.171	0.187	0.259	1.885	1.828	Yes	0.193	3.738			
00293	582	627	8	229.13	0.02	0.316	0.316	Free Surface	3.744	0.291	0.185	0.194	0.261	1.767	1.712	No	0.194	3.744			
00294	627	628	8	221.23	0.037	0.32	0.32	Free Surface	4.67	0.251	0.138	0.167	0.262	2.39	2.323	Yes	0.176	4.355			
00295	628	630	8	223.54	0.026	0.324	0.324	Free Surface	4.162	0.274	0.165	0.183	0.264	2.029	1.967	No	0.183	4.162			
00296	629	630	8	314.87	0.004	0.004	0.004	Free Surface	0.57	0.051	0.005	0.034	0.028	0.665	0.767	Yes	0.101	0.113			
00297	630	640	8	241.93	0.04	0.331	0.331	Free Surface	4.842	0.25	0.138	0.167	0.267	2.479	2.41	Yes	0.187	4.143			
00298	640	631	8	237.48	0.018	0.335	0.335	Free Surface	3.646	0.309	0.208	0.206	0.269	1.664	1.612	No	0.206	3.646			
00299	834.00	631	8	299.65	0.009	0.004	0.004	Free Surface	0.748	0.042	0.003	0.028	0.028	0.958	1.134	Yes	0.104	0.11			

00300	631	835	8	246.8	0.029	0.343	0.343	Free Surface	4.393	0.275	0.165	0.183	0.272	2.139	2.074	Yes	0.188	4.233			
00301	835	620	8	229.22	0.024	0.347	0.347	Free Surface	4.128	0.29	0.183	0.193	0.273	1.953	1.892	Yes	0.21	3.685			
00302	620	632	8	240.05	0.014	0.35	0.35	Free Surface	3.395	0.336	0.244	0.224	0.275	1.479	1.436	No	0.224	3.395			
00303	632	638	8	250.18	0.015	0.354	0.354	Free Surface	3.513	0.331	0.236	0.221	0.276	1.545	1.499	No	0.221	3.513			
00304	664	652	12	325.42	0.027	0.059	0.059	Free Surface	2.389	0.071	0.01	0.071	0.098	1.924	5.834	Yes	0.073	2.26			
00305	663.00	662	12	299.49	0.027	0.422	0.422	Free Surface	4.34	0.182	0.072	0.182	0.269	2.152	5.871	Yes	0.228	3.13			
00306	150	664	12	214.32	0.034	0.057	0.057	Free Surface	2.574	0.066	0.009	0.066	0.097	2.151	6.588	Yes	0.068	2.437			
00307	442.00	268	8	206.8	0.018	0.092	0.092	Free Surface	2.52	0.161	0.056	0.107	0.138	1.629	1.629	No	0.107	2.52			
00308	229.00	442	8	19.57	0.008	0.092	0.092	Free Surface	1.87	0.198	0.086	0.132	0.138	1.085	1.067	No	0.132	1.87			
00309	448.00	447	8	111.12	0.001	0.001	0.001	Free Surface	0.236	0.041	0.003	0.028	0.015	0.306	0.363	Yes	0.108	0.032			
00310	236	234	21	321.25	0.003	1.799	1.799	Free Surface	2.972	0.299	0.195	0.524	0.483	0.852	9.22	No	0.524	2.972			
00311	234	292	21	343.7	0.006	1.799	1.799	Free Surface	3.714	0.255	0.143	0.447	0.483	1.162	12.595	No	0.447	3.714			
00312	292	3	18	56.41	0.012	2.204	2.204	Free Surface	5.042	0.296	0.19	0.444	0.561	1.573	11.572	Yes	0.494	4.344			
00313	1459	1460	8	259.13	0.02	0.002	0.002	Free Surface	0.776	0.024	0.001	0.016	0.018	1.319	1.703	Yes	0.023	0.467			
00314	1460	1461	8	172.33	0.004	0.003	0.003	Free Surface	0.553	0.048	0.004	0.032	0.026	0.663	0.771	Yes	0.035	0.489			
00316	1458	1196	8	257.59	0.004	0.007	0.007	Free Surface	0.692	0.066	0.009	0.044	0.037	0.707	0.786	Yes	0.046	0.643			
00317	1196	1584	8	340.76	0.006	0.009	0.009	Free Surface	0.851	0.067	0.009	0.045	0.041	0.864	0.958	Yes	0.315	0.053			
00318	1585	1584	18	225.62	0.005	1.293	1.293	Free Surface	3.223	0.278	0.169	0.417	0.426	1.039	7.652	Yes	0.501	2.501			
00319	1586	1585	18	267.56	0.003	1.292	1.292	Free Surface	2.514	0.332	0.239	0.499	0.425	0.735	5.416	No	0.499	2.514			
00320	1587	1586	15	337.86	0.003	1.285	1.285	Free Surface	2.5	0.436	0.394	0.545	0.447	0.684	3.262	No	0.545	2.5			
00321	1452	1586	8	473.12	0.006	0.005	0.005	Free Surface	0.712	0.053	0.006	0.036	0.032	0.811	0.928	Yes	0.266	0.039			
00322	1453	1452	8	466.95	0.004	0.003	0.003	Free Surface	0.531	0.049	0.005	0.033	0.026	0.627	0.726	No	0.033	0.531			
00323	1454	1453	8	149.09	0.004	0.002	0.002	Free Surface	0.448	0.035	0.002	0.023	0.018	0.632	0.771	Yes	0.03	0.309			
00324	1455	1456	8	132.22	0.004	0.002	0.002	Free Surface	0.435	0.035	0.002	0.024	0.018	0.608	0.739	Yes	0.029	0.318			
00325	1456	1457	8	316.99	0.004	0.003	0.003	Free Surface	0.545	0.049	0.005	0.032	0.026	0.65	0.755	Yes	0.037	0.452			
00326	1457	1458	8	407.63	0.003	0.005	0.005	Free Surface	0.566	0.062	0.008	0.041	0.032	0.596	0.668	Yes	0.042	0.557			
00327	1588	1587	15	204.9	0.003	1.209	1.209	Free Surface	2.531	0.412	0.356	0.516	0.434	0.716	3.392	Yes	0.531	2.433			
00328	1589	1588	15	272.41	0.002	1.191	1.191	Free Surface	2.02	0.484	0.474	0.606	0.43	0.518	2.513	No	0.606	2.02			
00329	525	491	8	347.7	0.031	0.002	0.002	Free Surface	0.93	0.023	0.001	0.015	0.019	1.628	2.121	Yes	0.038	0.232			
00330	530	528	8	239.19	0.034	0.403	0.403	Free Surface	4.859	0.287	0.18	0.192	0.296	2.309	2.238	Yes	0.256	3.262			
00331	143	2854	8	340.92	0.021	0.002	0.002	Free Surface	0.809	0.025	0.001	0.017	0.019	1.351	1.735	Yes	0.018	0.719			
00332	517	531	8	213.39	0.019	0.384	0.384	Free Surface	3.902	0.325	0.229	0.217	0.289	1.731	1.679	Yes	0.221	3.81			
00333	831	150	8	404.65	0.09	0.002	0.002	Free Surface	1.349	0.018	0.001	0.012	0.019	2.676	3.626	Yes	0.039	0.229			
00334	520	519	8	109.22	0.037	0.006	0.006	Free Surface	1.429	0.038	0.003	0.025	0.035	1.928	2.319	Yes	0.028	1.246			
00335	519	518	8	410.37	0.079	0.012	0.012	Free Surface	2.31	0.044	0.004	0.029	0.05	2.899	3.414	Yes	0.032	2.063			
00336	518	517	8	400.57	0.066	0.019	0.019	Free Surface	2.446	0.056	0.006	0.037	0.061	2.727	3.103	Yes	0.127	0.403			
00337	54	517	8	200.68	0.035	0.025	0.025	Free Surface	2.139	0.074	0.011	0.049	0.071	2.063	2.256	Yes	0.133	0.502			
00338	55	54	8	281.14	0.037	0.006	0.006	Free Surface	1.433	0.038	0.003	0.025	0.035	1.935	2.328	Yes	0.035	0.876			
00339	516	517	8	299.6	0.01	0.335	0.335	Free Surface	2.982	0.358	0.274	0.239	0.268	1.254	1.22	No	0.239	2.982			
00340	268.00	269	8	140.58	0.02	0.092	0.092	Free Surface	2.613	0.158	0.054	0.105	0.138	1.71	1.713	No	0.105	2.613			
00341	521	522	8	271.1	0.014	0.006	0.006	Free Surface	1.016	0.048	0.004	0.032	0.035	1.221	1.42	Yes	0.032	0.993			
00342	522	54	8	374.8	0.069	0.012	0.012	Free Surface	2.202	0.045	0.004	0.03	0.05	2.719	3.186	Yes	0.038	1.585			
00343	512	513	8	313.97	0.019	0.006	0.006	Free Surface	1.146	0.044	0.004	0.029	0.035	1.435	1.688	Yes	0.031	1.043			
00344	511	510	8	299.17	0.038	0.025	0.025	Free Surface	2.213	0.072	0.011	0.048	0.071	2.159	2.369	Yes	0.062	1.542			
00345	1592	1589	8	270.85	0.013	0.423	0.423	Free Surface	3.493	0.379	0.305	0.252	0.303	1.422	1.389	Yes	0.429	1.782			
00346	1590	1592	8	285.01	0.005	0.007	0.007	Free Surface	0.748	0.066	0.009	0.044	0.038	0.766	0.852	Yes	0.148	0.127			
00347	1591	1590	8	258.56	0.005	0.004	0.004	Free Surface	0.627	0.046	0.004	0.031	0.027	0.765	0.894	Yes	0.036	0.495			
00348	1593	1592	8	27.06	0.028	0.412	0.412	Free Surface	4.559	0.306	0.203	0.204	0.299	2.094	2.029	Yes	0.228	3.917			
00349	1193	1463	8	197.99	0.003	0.002	0.002	Free Surface	0.414	0.037	0.002	0.024	0.018	0.57	0.69	Yes	0.031	0.293			
00350	1194	1464	8	256.18	0.005	0.002	0.002	Free Surface	0.486	0.033	0.002	0.022	0.018	0.705	0.867	Yes	0.036	0.236			
00351	1462	1463	8	261.76	0.005	0.002	0.002	Free Surface	0.47	0.034	0.002	0.022	0.018	0.675	0.828	Yes	0.03	0.307			
00352	1463	1464	8	479.98	0.006	0.005	0.005	Free Surface	0.705	0.054	0.006	0.036	0.032	0.799	0.914	Yes	0.043	0.545			
00353	1464	1197	8	177.44	0.004	0.009	0.009	Free Surface	0.756	0.072	0.011	0.048	0.041	0.738	0.809	Yes	0.054	0.637			
00354	1198	1197	8	282.99	0.004	0.003	0.003	Free Surface	0.567	0.047	0.004	0.032	0.026	0.686	0.799	Yes	0.046	0.326			
00355	1199	1198	8	319.86	0.004	0.002	0.002	Free Surface	0.462	0.034	0.002	0.023	0.018	0.659	0.807	Yes	0.026	0.383			
00357	1197	1465	8	390.11	0.005	0.014	0.014	Free Surface	0.904	0.088	0.016	0.059	0.052	0.798	0.853	Yes	0.059	0.898			
00358	1,465.00	1466	8	64.83	0.008	0.015	0.015	Free Surface	1.089	0.084	0.015	0.056	0.056	0.984	1.058	Yes	0.061	0.971			
00359	1466	1467	10	159.88	0.005	0.017	0.017	Free Surface	0.955	0.073	0.011	0.061	0.055	0.829	1.586	Yes	0.066	0.856			
00360	1191	1470	8	157.86	0.006	0.007	0.007	Free Surface	0.769	0.061	0.007	0.041	0.037	0.815	0.914	Yes	0.061	0.431			
00361	510	509	8	310.08	0.016	0.044	0.044	Free Surface	1.941	0.116	0.028	0.077	0.094	1.49	1.542	Yes	0.144	0.788			
00362	2584	2582	10	273.33	0.001	0.058	0.058	Free Surface	0.758	0.197	0.085	0.164	0.102	0.394	0.678	No	0.164	0.758			
00363	2583	1587	10	386.13	0.001	0.072	0.072	Free Surface	0.836	0.216	0.102	0.18	0.115	0.415	0.709	Yes	0.363	0.317			
00364	1222	1221	12	166.51	0.004	0.496	0.496	Free Surface	2.286	0.32	0.222	0.32	0.292	0.835	2.232	Yes	0.328	2.21			
00365	1221	1220	12	240.95	0.003	0.502	0.502	Free Surface	2.164	0.336	0.244	0.336	0.294	0.769	2.058	Yes	0.337	2.159			
00366	1220	1219	12	238.57	0.003	0.508	0.508	Free Surface	2.178	0.337	0.245	0.337	0.295	0.773	2.069	Yes	0.339	2.165			
00367	1219	1218	12	248.31	0.003	0.522	0.522	Free Surface	2.211	0.34	0.25	0.34	0.3	0.781	2.09	Yes	0.345	2.175			
00368	1218	1217	12	250.33	0.003	0.527	0.527	Free Surface	2.163	0.349	0.261	0.349	0.301	0.754	2.019	No	0.349	2.163			
00369	1217	1216	12	261.5	0.004	0.533	0.533	Free Surface	2.306	0.335	0.242	0.335	0.303	0.822	2.198	Yes	0.339	2.274			
00370	1216	1215	12	314.15	0.004	0.547	0.547	Free Surface	2.302	0.342	0.252	0.342	0.307	0.811	2.171	No	0.342	2.302			
00371	2352	1222	8	252.73	0.003	0.032	0.032	Free Surface	1.02	0.147	0.046	0.098	0.081	0.692	0.699	Yes	0.144	0.58			
00373	1256	1267	8	110.11	0.007	0.014	0.014	Free Surface	0.995	0.083	0.014	0.055	0.052	0.908	0.979	Yes	0.068	0.731			
00375	1260	1263	8	110.47	0.01	0.003	0.003	Free Surface	0.75	0.039	0.003	0.026	0.026	0.997	1.195	Yes	0.055	0.251			
00376	1249	1250	8	117.74	0.002	0.003	0.003	Free Surface	0.407	0.052	0.005	0.035	0.024	0.469	0.538	Yes	0.041	0.322			
00377	1257	1255	8	249.81	0.004	0.007	0.007	Free Surface	0.679	0.067	0.009	0.045	0.037	0.689	0.764	Yes	0.052	0.541			
00378	1,546.00	1547	10	120.87	0.014	0.025	0.025	Free Surface	1.522	0.069	0.009	0.057	0.067	1.363	2.629	Yes	0.091	0.775			
00379	1247	1220	8	289.2	0.007	0.003	0.003	Free Surface	0.625	0.039	0.003	0.026	0.024	0.833	0.998	No	0.026	0.625			
00380	1248	1221	8	278.62	0.006	0.003	0.003	Free Surface	0.597	0.04	0.003	0.027	0.024	0.784	0.935	No	0.027	0.597			
00381	2915	1257	8	401.58	0.003	0.003	0.003	Free Surface	0.496	0.052	0.005	0.035	0.026	0.574	0.66	Yes	0.04	0.405			
00382	1253	1254	8	125.19	0.006	0.002	0.002	Free Surface	0.51	0.032	0.002	0.021	0.018	0.752	0.929	Yes	0.024	0.427			
00383	569	568	8	315.17	0.095	0.003	0.003	Free Surface	1.604	0.022	0.001	0.015	0.025	2.849	3.73	Yes	0.085	0.119			
00384	567	576	8	278.33	0.018	0.004	0.004	Free Surface	0.944	0.035	0.002	0.023	0.027	1.334	1.628	Yes	0.057	0.251			
00385	573	576	8	289.84	0.026	0.072	0.072	Free Surface	2.661	0.131	0.037	0.087	0.121	1.918	1.957	Yes	0.089	2.6			
00386	678	697	8	344.88	0.023	0.054	0.054	Free Surface	2.324	0.118	0.029	0.079	0.105	1.767	1.824	Yes	0.08	2.267			
00387	697	696	8	341.86	0.025	0.057	0.057	Free Surface	2.457	0.119	0.03	0.079	0.108	1.862	1.921	Yes	0.081	2.381			
00388	695.00	696	8	279.14	0.015	0.004	0.004	Free Surface	0.878	0.036	0.002	0.024	0.027	1.211	1.467	Yes	0.053	0.27			
00389	696.00	574	8	287.24	0.028	0.064	0.064	Free Surface	2.635	0.122	0.032	0.082	0.115	1.964	2.018	Yes	0.084	2.51			
00390	574	573	8	299.82	0.024	0.068	0.068	Free Surface	2.557	0.13	0.036	0.086	0.118	1.85	1.889	No	0.086	2.557			
00391	576	575	8	235.78	0.031	0.079	0.079	Free Surface	2.922	0.131	0.037	0.087	0.127	2.104	2.147	Yes	0.088	2.899			
00392	806	711	8	391.89	0.002	0.011	0.011	Free Surface	0.667	0.095	0.019	0.064	0.048	0.565	0.598	No	0.064	0.667			
00393	358	712	8	316.51	0.004	0.019	0.019	Free Surface	0.95	0.106	0.024	0.071	0.062	0.762	0.796	No	0.071	0.95			
00394	359	358	8	73.81	0.008	0.004	0.004	Free Surface	0.711	0.044	0.004	0.029	0.027	0.897	1.057	Yes	0.051	0.308			
00395	779	714	8	400.32	0.025	0.041	0.041	Free Surface	2.211	0.102	0.022	0.068	0.092	1.807	1.897	Yes	0.069	2.182			
00396	712	779	8	374.4	0.02	0.038	0.038	Free Surface	2.013	0.102	0.022	0.068	0.088	1.646	1.728	Yes	0.071	1.91			
00397	711	712	8	37.24	0.031	0.015	0.015	Free Surface	1.757	0.06	0.007	0.04	0.055	1.881	2.117	Yes	0.052	1.185			
00398	828	829	8	262.89	0.007	0.004	0.004	Free Surface	0.682	0.045	0.004	0.03	0.027	0.849	0.997	Yes	0.033	0.574			
00399	829	357	8	184.59	0.012	0.008	0.008	Free Surface	1.024	0.054	0.006	0.036	0.039	1.156	1.32	Yes	0.037	0.973			
00400	357	358	8	305.59	0.019	0.011	0.011	Free Surface	1.374	0.058	0.007	0.039	0.048	1.493	1.687	Yes	0.056	0.805			
00401	714	715	8	399.29	0.033	0.045	0.045	Free Surface	2.523	0.099	0.02	0.066	0.096	2.096	2.208	Yes	0.073	2.16			
00402	822	821	8	239.56	0.049	0.006	0.006	Free Surface	1.536	0.034	0.002	0.023	0.034	2.191	2.681	Yes	0.026	1.282			
00403	823	822	8	158.11	0.02	0.002	0.002	Free Surface	0.834	0.027	0.001	0.018	0.021	1.341	1.701	Yes	0.019	0.751			
00404	971	730	8	274.64	0.001	0.082	0.082	Free Surface	0.878	0.312	0.211	0.208	0.13	0.399	0.386	No	0.208	0.878			
00405	730.00	970	8	157.32	0.039	0.084	0.084	Free Surface	3.213	0.128	0.035	0.085	0.131	2.341	2.394	Yes	0.115	2.09			

00406	970	969	8	237.26	0.039	0.234	0.234	Free Surface	4.371	0.211	0.097	0.14	0.223	2.455	2.405	Yes	0.228	2.226			
00407	968	969	8	244.32	0.044	0.238	0.238	Free Surface	4.553	0.207	0.094	0.138	0.225	2.578	2.529	Yes	0.226	2.281			
00408	955	956	8	106.15	0.016	0.182	0.182	Free Surface	2.949	0.233	0.119	0.156	0.196	1.569	1.529	Yes	0.158	2.886			
00409	954	955	8	318.06	0.005	0.077	0.077	Free Surface	1.512	0.203	0.09	0.135	0.126	0.867	0.851	Yes	0.145	1.359			
00410	823	824	8	120.75	0.008	0.001	0.001	Free Surface	0.519	0.027	0.001	0.018	0.016	0.834	1.059	Yes	0.025	0.309			
00411	824	825	8	101.8	0.01	0.005	0.005	Free Surface	0.841	0.046	0.004	0.031	0.031	1.032	1.207	No	0.031	0.841			
00412	819	804	8	120.32	0.009	0.004	0.004	Free Surface	0.745	0.04	0.003	0.027	0.026	0.979	1.169	Yes	0.146	0.062			
00413	804	728	12	121.96	0.009	0.515	0.515	Free Surface	3.071	0.266	0.155	0.266	0.298	1.243	3.322	Yes	0.27	3.009			
00414	820	804	12	106.41	0.011	0.508	0.508	Free Surface	3.371	0.247	0.133	0.247	0.295	1.421	3.809	Yes	0.256	3.194			
00415	827	820	12	237.43	0.006	0.504	0.504	Free Surface	2.702	0.287	0.18	0.287	0.294	1.049	2.801	No	0.287	2.702			
00416	638	637	8	227.75	0.039	0.472	0.472	Free Surface	5.346	0.301	0.197	0.2	0.321	2.478	2.402	Yes	0.202	5.276			
00417	634	633	8	220.81	0.065	0.485	0.485	Free Surface	6.458	0.268	0.157	0.178	0.326	3.19	3.094	Yes	0.187	6.05			
00418	635	634	8	180.68	0.035	0.483	0.483	Free Surface	5.187	0.313	0.212	0.208	0.325	2.354	2.282	No	0.208	5.187			
00419	636	635	8	312.86	0.032	0.482	0.482	Free Surface	4.988	0.321	0.223	0.214	0.325	2.231	2.164	No	0.214	4.988			
00420	637	636	8	229.46	0.035	0.474	0.474	Free Surface	5.159	0.309	0.208	0.206	0.322	2.355	2.282	Yes	0.21	5.029			
00421	639.00	651	8	276.77	0.002	0.003	0.003	Free Surface	0.398	0.056	0.006	0.038	0.025	0.441	0.5	Yes	0.102	0.092			
00422	651.00	650	8	200.63	0.044	0.336	0.336	Free Surface	5.042	0.246	0.132	0.164	0.269	2.609	2.538	Yes	0.171	4.74			
00423	650	649	8	250.34	0.033	0.339	0.339	Free Surface	4.571	0.265	0.154	0.177	0.27	2.271	2.203	Yes	0.191	4.092			
00424	649	647	8	215.16	0.024	0.404	0.404	Free Surface	4.279	0.315	0.216	0.21	0.296	1.932	1.873	No	0.21	4.279			
00425	648	649	8	276.97	0.012	0.062	0.062	Free Surface	1.944	0.148	0.047	0.098	0.113	1.315	1.326	Yes	0.152	1.04			
00426	653	651	8	239.92	0.059	0.329	0.329	Free Surface	5.564	0.226	0.112	0.151	0.266	3.01	2.937	Yes	0.158	5.189			
00427	656	653	8	246.95	0.038	0.326	0.326	Free Surface	4.768	0.25	0.138	0.167	0.265	2.441	2.373	No	0.167	4.768			
00428	657	656	8	228.83	0.034	0.32	0.32	Free Surface	4.556	0.255	0.143	0.17	0.262	2.309	2.243	No	0.17	4.556			
00429	643	656	8	300.21	0.001	0.003	0.003	Free Surface	0.339	0.063	0.008	0.042	0.025	0.355	0.397	Yes	0.106	0.087			
00430	658	657	8	242.34	0.03	0.317	0.317	Free Surface	4.348	0.262	0.15	0.175	0.261	2.173	2.109	No	0.175	4.348			
00431	659	658	8	219.32	0.035	0.289	0.289	Free Surface	4.446	0.242	0.128	0.161	0.249	2.321	2.258	Yes	0.168	4.191			
00432	718	659	8	223.01	0.058	0.286	0.286	Free Surface	5.3	0.212	0.098	0.141	0.247	2.967	2.906	Yes	0.152	4.763			
00433	581	718	8	231.19	0.013	0.28	0.28	Free Surface	3.083	0.307	0.204	0.204	0.245	1.413	1.37	No	0.204	3.083			
00434	655	658	8	228.65	0.043	0.025	0.025	Free Surface	2.295	0.07	0.01	0.047	0.071	2.274	2.506	Yes	0.111	0.649			
00435	856	854	8	320.99	0.032	0.006	0.006	Free Surface	1.349	0.038	0.003	0.026	0.034	1.815	2.181	Yes	0.031	1.017			
00436	854	853	8	268.73	0.022	0.009	0.009	Free Surface	1.344	0.05	0.005	0.034	0.042	1.573	1.815	Yes	0.055	0.647			
00437	1129	862	8	265.67	0.018	0.044	0.044	Free Surface	2.03	0.114	0.027	0.076	0.095	1.573	1.63	No	0.076	2.03			
00438	853.00	1129	8	269.69	0.006	0.024	0.024	Free Surface	1.137	0.11	0.025	0.073	0.069	0.896	0.932	No	0.073	1.137			
00439	862	863	8	332.25	0.043	0.05	0.05	Free Surface	2.864	0.098	0.02	0.065	0.102	2.395	2.527	Yes	0.075	2.347			
00440	864	865	8	337.85	0.058	0.056	0.056	Free Surface	3.275	0.096	0.019	0.064	0.107	2.76	2.918	Yes	0.11	1.497			
00441	863	864	8	328.01	0.016	0.053	0.053	Free Surface	2.051	0.128	0.035	0.085	0.104	1.496	1.53	No	0.085	2.051			
00442	873	869	8	177.82	0.015	0.027	0.027	Free Surface	1.639	0.093	0.018	0.062	0.074	1.408	1.496	Yes	0.068	1.418			
00443	869	868	8	150.35	0.01	0.033	0.033	Free Surface	1.499	0.113	0.027	0.075	0.081	1.164	1.208	Yes	0.078	1.434			
00444	868	867	8	101.63	0.011	0.036	0.036	Free Surface	1.599	0.115	0.028	0.077	0.085	1.232	1.275	No	0.077	1.599			
00445	867	874	8	113.82	0.015	0.039	0.039	Free Surface	1.837	0.11	0.026	0.074	0.089	1.444	1.502	Yes	0.126	0.838			
00446	870	869	8	130.22	0.094	0.003	0.003	Free Surface	1.58	0.022	0.001	0.014	0.024	2.832	3.717	Yes	0.045	0.295			
00447	1133	862	8	466.19	0.046	0.003	0.003	Free Surface	1.235	0.026	0.001	0.017	0.024	2.039	2.607	Yes	0.033	0.455			
00448	852	1130	8	242.35	0.019	0.003	0.003	Free Surface	0.899	0.032	0.002	0.021	0.024	1.334	1.651	Yes	0.024	0.737			
00449	1130	849	8	427.96	0.018	0.006	0.006	Free Surface	1.096	0.044	0.004	0.029	0.034	1.374	1.617	Yes	0.033	0.91			
00450	849	848	8	438.34	0.016	0.009	0.009	Free Surface	1.205	0.054	0.006	0.036	0.042	1.359	1.552	Yes	0.039	1.061			
00451	848	847	8	231.79	0.019	0.012	0.012	Free Surface	1.39	0.06	0.007	0.04	0.049	1.492	1.68	Yes	0.041	1.325			
00452	847.00	846	8	211.19	0.017	0.015	0.015	Free Surface	1.435	0.068	0.009	0.045	0.055	1.443	1.596	No	0.045	1.435			
00453	846	1129	8	264.35	0.037	0.018	0.018	Free Surface	1.983	0.062	0.008	0.041	0.06	2.092	2.344	Yes	0.057	1.232			
00454	732	731	8	236.61	0.029	0.1	0.1	Free Surface	3.047	0.15	0.049	0.1	0.144	2.045	2.058	Yes	0.134	2.008			
00455	1056	1055	8	174.62	0.011	0.002	0.002	Free Surface	0.669	0.031	0.002	0.021	0.021	1.001	1.243	Yes	0.023	0.572			
00456	1014	1013	8	154.67	0.028	0.003	0.003	Free Surface	1.072	0.03	0.002	0.02	0.026	1.632	2.036	Yes	0.03	0.58			
00457	1015	1011	8	165.45	0.022	0.068	0.068	Free Surface	2.482	0.133	0.038	0.089	0.119	1.772	1.806	No	0.089	2.482			
00458	1021	1022	8	87.34	0.042	0.003	0.003	Free Surface	1.233	0.027	0.001	0.018	0.026	1.969	2.493	Yes	0.018	1.209			
00459	1022	1020	8	300.64	0.099	0.007	0.007	Free Surface	2.051	0.031	0.002	0.021	0.036	3.077	3.822	Yes	0.027	1.386			
00460	1020	1023	8	168.11	0.036	0.01	0.01	Free Surface	1.627	0.047	0.004	0.032	0.044	1.967	2.291	Yes	0.034	1.463			
00461	1,023.00	1015	8	62.71	0.054	0.013	0.013	Free Surface	2.044	0.049	0.005	0.033	0.051	2.423	2.805	Yes	0.062	0.803			
00462	1016	1015	8	387.85	0.015	0.052	0.052	Free Surface	2.012	0.128	0.035	0.085	0.103	1.468	1.502	Yes	0.088	1.918			
00463	1017	1016	8	86.61	0.04	0.049	0.049	Free Surface	2.745	0.099	0.02	0.066	0.1	2.286	2.409	Yes	0.077	2.167			
00464	1018	1017	8	45.12	0.047	0.029	0.029	Free Surface	2.506	0.074	0.011	0.049	0.077	2.413	2.638	Yes	0.057	2.024			
00465	1019	1018	8	167.15	0.059	0.003	0.003	Free Surface	1.386	0.025	0.001	0.017	0.026	2.301	2.949	Yes	0.035	0.465			
00466	1025	1024	8	390.13	0.032	0.013	0.013	Free Surface	1.705	0.056	0.006	0.037	0.051	1.899	2.16	Yes	0.049	1.123			
00467	1,024.00	1017	8	202.46	0.007	0.016	0.016	Free Surface	1.082	0.088	0.016	0.059	0.057	0.955	1.021	Yes	0.062	1.003			
00468	1037	1038	8	182.13	0.009	0.003	0.003	Free Surface	0.707	0.04	0.003	0.026	0.026	0.936	1.119	Yes	0.031	0.568			
00469	1038	1026	8	97.01	0.017	0.007	0.007	Free Surface	1.106	0.047	0.004	0.031	0.036	1.346	1.571	Yes	0.039	0.791			
00470	1026	1018	8	346.8	0.043	0.023	0.023	Free Surface	2.243	0.067	0.009	0.045	0.068	2.266	2.51	Yes	0.049	1.972			
00471	1027	1026	8	61.48	0.119	0.013	0.013	Free Surface	2.695	0.041	0.003	0.027	0.051	3.508	4.175	Yes	0.037	1.707			
00472	1028	1027	8	89	0.079	0.01	0.01	Free Surface	2.143	0.039	0.003	0.026	0.044	2.846	3.407	Yes	0.026	2.134			
00473	1036	1028	8	319.91	0.046	0.007	0.007	Free Surface	1.572	0.037	0.003	0.025	0.036	2.156	2.607	No	0.025	1.572			
00474	748	746	8	277.83	0.044	0.013	0.013	Free Surface	1.907	0.052	0.005	0.034	0.051	2.207	2.539	Yes	0.041	1.476			
00475	746	747	8	247.59	0.019	0.016	0.016	Free Surface	1.531	0.07	0.01	0.046	0.057	1.523	1.679	Yes	0.048	1.475			
00476	747	898	8	312.4	0.016	0.02	0.02	Free Surface	1.515	0.079	0.013	0.053	0.063	1.411	1.529	Yes	0.085	0.757			
00477	742	741	8	232.94	0.02	0.003	0.003	Free Surface	0.952	0.032	0.002	0.022	0.026	1.393	1.717	Yes	0.025	0.752			
00478	741	740	8	80.83	0.018	0.007	0.007	Free Surface	1.138	0.046	0.004	0.031	0.036	1.399	1.637	Yes	0.037	0.848			
00479	740	749	8	130.86	0.017	0.016	0.016	Free Surface	1.464	0.072	0.01	0.048	0.057	1.434	1.575	Yes	0.05	1.379			
00480	749	737	8	249.33	0.019	0.02	0.02	Free Surface	1.613	0.076	0.012	0.051	0.063	1.534	1.672	Yes	0.053	1.503			
00481	737	899	8	238.06	0.015	0.023	0.023	Free Surface	1.572	0.086	0.015	0.057	0.068	1.405	1.507	Yes	0.076	1.038			
00482	739	740	8	151.46	0.012	0.007	0.007	Free Surface	0.983	0.051	0.005	0.034	0.036	1.15	1.327	Yes	0.039	0.798			
00483	738	739	8	250.32	0.018	0.003	0.003	Free Surface	0.91	0.033	0.002	0.022	0.026	1.311	1.609	Yes	0.029	0.607			
00484	1040	1039	8	238.31	0.068	0.042	0.042	Free Surface	3.171	0.081	0.013	0.054	0.093	2.917	3.151	Yes	0.062	2.601			
00485	1039	901	8	278.54	0.069	0.075	0.075	Free Surface	3.786	0.106	0.024	0.071	0.124	3.037	3.174	Yes	0.072	3.662			
00486	764	765	8	180.72	0.021	0.003	0.003	Free Surface	0.965	0.032	0.002	0.021	0.026	1.419	1.751	Yes	0.023	0.848			
00487	765	766	8	174.11	0.019	0.007	0.007	Free Surface	1.164	0.045	0.004	0.03	0.036	1.442	1.691	Yes	0.037	0.861			
00488	767	766	8	74.96	0.021	0.02	0.02	Free Surface	1.682	0.074	0.011	0.049	0.063	1.624	1.776	No	0.049	1.682			
00489	766	1039	8	227.88	0.091	0.029	0.029	Free Surface	3.145	0.064	0.008	0.042	0.077	3.274	3.655	Yes	0.056	2.084			
00490	771	770	8	180.37	0.021	0.007	0.007	Free Surface	1.189	0.044	0.004	0.03	0.036	1.483	1.743	Yes	0.032	1.071			
00491	770	769	8	135.84	0.05	0.01	0.01	Free Surface	1.823	0.044	0.004	0.029	0.044	2.291	2.699	Yes	0.031	1.642			
00492	769	768	8	150.37	0.049	0.013	0.013	Free Surface	1.982	0.05	0.005	0.034	0.051	2.325	2.684	Yes	0.037	1.709			
00493	768	767	8	187.55	0.028	0.016	0.016	Free Surface	1.743	0.064	0.008	0.042	0.057	1.813	2.024	Yes	0.047	1.509			
00494	826.00	827	12	80.84	0.008	0.501	0.501	Free Surface	2.951	0.268	0.158	0.268	0.293	1.189	3.178	Yes	0.278	2.813			
00495	825	826	8	250.7	0.039	0.008	0.008	Free Surface	1.604	0.043	0.003	0.029	0.041	2.036	2.406	Yes	0.151	0.141			
00496	939	938	8	304.52	0.011	0.004	0.004	Free Surface	0.78	0.039	0.003	0.026	0.026	1.042	1.249	Yes	0.032	0.572			
00497	938	940	8	238.52	0.006	0.007	0.007	Free Surface	0.769	0.063	0.008	0.042	0.037	0.807	0.903	No	0.042	0.769			
00498	940	1135	8	296.71	0.013	0.011	0.011	Free Surface	1.155	0.063	0.008	0.042	0.046	1.213	1.357	No	0.042	1.155			
00499	934	907	8	242.82	0.026	0.039	0.039	Free Surface	2.208	0.097	0.02	0.065	0.089	1.851	1.954	Yes	0.222	0.38			
00500	509	516	8	384.11	0.016	0.328	0.328	Free Surface	3.527	0.312	0.212	0.208	0.266	1.601	1.552	Yes	0.223	3.201			
00501	199	509	8	179.17	0.033	0.279	0.279	Free Surface	4.336	0.24	0.126	0.16	0.244	2.274	2.214	Yes	0.185	3.526			
00502	514	515	8	158.47	0.008	0.006	0.006	Free Surface	0.837	0.055	0.006	0.036	0.035	0.94	1.073	Yes	0.054	0.473			
00503	515.00	510	8	399.9	0.002	0.012	0.012	Free Surface	0.662	0.102	0.022	0.068	0.05	0.541	0.568	Yes	0.072	0.617			
00504	56	533	8	350.64	0.03	0.015	0.015	Free Surface	1.762	0.061	0.007	0.041	0.056	1.873	2.104	Yes	0.041	1.729			
00505	533	534	8	349.42	0.048	0.019	0.019	Free Surface	2.192	0.06	0.007	0.04	0.061	2.359	2.658	Yes	0.045	1.825			
00506	132	131	10	320	0.046	0.006	0.006	Free Surface	1.452	0.026	0.001	0.022	0.032	2.12	4.722	Yes	0.04	0.582			
00507	133	132	10	339.33	0.034	0.004	0.004	Free Surface	1.152	0.023	0.001	0.019	0.026	1.783	4.044	Yes	0.021	1.053			

00508	134	135	6	266.5	0.069	0.002	0.002	Free Surface	1.287	0.027	0.001	0.013	0.021	2.39	1.478	Yes	0.012	1.584			
00509	135	130	6	240.95	0.049	0.004	0.004	Free Surface	1.415	0.04	0.003	0.02	0.029	2.147	1.248	Yes	0.029	0.827			
00510	128	129	8	355.91	0.012	0.002	0.002	Free Surface	0.681	0.028	0.001	0.019	0.019	1.073	1.353	Yes	0.021	0.579			
00511	129	130	8	207.49	0.032	0.006	0.006	Free Surface	1.319	0.038	0.003	0.025	0.034	1.792	2.161	Yes	0.031	0.946			
00512	130	131	8	142.31	0.024	0.011	0.011	Free Surface	1.477	0.055	0.006	0.037	0.048	1.649	1.877	Yes	0.048	1.01			
00513	131	144	10	170.04	0.007	0.021	0.021	Free Surface	1.101	0.075	0.011	0.063	0.061	0.941	1.793	No	0.063	1.101			
00514	503	504	8	420.66	0.027	0.006	0.006	Free Surface	1.256	0.039	0.003	0.026	0.034	1.667	1.995	Yes	0.055	0.415			
00515	504	505	12	256.95	0.032	0.103	0.103	Free Surface	3.01	0.089	0.016	0.089	0.131	2.16	6.356	Yes	0.095	2.731			
00516	505	506	12	82.45	0.024	0.109	0.109	Free Surface	2.787	0.097	0.02	0.097	0.135	1.911	5.56	Yes	0.107	2.403			
00517	506	507	8	298.99	0.033	0.155	0.155	Free Surface	3.625	0.18	0.071	0.12	0.18	2.212	2.191	Yes	0.149	2.673			
00518	507	508	8	348.94	0.009	0.178	0.178	Free Surface	2.369	0.268	0.157	0.178	0.194	1.17	1.135	No	0.178	2.369			
00519	46	45	8	203.3	0.08	0.027	0.027	Free Surface	2.933	0.063	0.008	0.042	0.074	3.068	3.43	Yes	0.044	2.777			
00520	259	46	8	215.14	0.133	0.024	0.024	Free Surface	3.375	0.053	0.005	0.035	0.07	3.856	4.419	Yes	0.041	2.722			
00522	551	129	8	171.79	0.059	0.002	0.002	Free Surface	1.166	0.02	0.001	0.013	0.019	2.201	2.937	Yes	0.018	0.72			
00523	142	141	18	70.3	0.047	2.307	2.307	Free Surface	8.316	0.214	0.101	0.321	0.574	3.087	22.947	Yes	0.387	6.398			
00529	196	194	18	494.58	0.002	2.204	2.204	Free Surface	2.447	0.508	0.513	0.762	0.561	0.556	4.296	No	0.762	2.447			
00530	194.00	198	18	583.11	0.016	2.205	2.205	Free Surface	5.533	0.277	0.167	0.415	0.561	1.79	13.175	Yes	0.462	4.765			
00531	566	597	8	401.12	0.035	0.002	0.002	Free Surface	0.924	0.02	0.001	0.013	0.018	1.713	2.273	Yes	0.015	0.815			
00532	597	596	8	398.13	0.045	0.003	0.003	Free Surface	1.246	0.026	0.001	0.018	0.025	2.023	2.575	Yes	0.018	1.235			
00533	596	595	8	150.82	0.062	0.005	0.005	Free Surface	1.577	0.03	0.002	0.02	0.031	2.419	3.024	Yes	0.023	1.249			
00534	595.00	836	8	248.57	0.054	0.009	0.009	Free Surface	1.852	0.042	0.003	0.028	0.043	2.371	2.809	Yes	0.035	1.36			
00535	836	601	8	147.88	0.024	0.016	0.016	Free Surface	1.638	0.065	0.008	0.043	0.056	1.69	1.882	Yes	0.047	1.457			
00536	601	600	8	80.19	0.017	0.019	0.019	Free Surface	1.524	0.077	0.012	0.051	0.062	1.441	1.569	Yes	0.056	1.323			
00537	481.00	480	8	335.59	0.011	0.006	0.006	Free Surface	0.929	0.048	0.004	0.032	0.034	1.113	1.293	Yes	0.036	0.783			
00538	480	479	8	354.94	0.018	0.011	0.011	Free Surface	1.344	0.06	0.007	0.04	0.048	1.441	1.623	Yes	0.04	1.326			
00539	482.00	487	8	312.42	0.002	0.023	0.023	Free Surface	0.797	0.137	0.04	0.091	0.068	0.561	0.569	Yes	0.093	0.776			
00540	487	486	8	318.67	0.003	0.029	0.029	Free Surface	0.944	0.142	0.044	0.095	0.076	0.651	0.659	No	0.095	0.944			
00541	486	485	8	340.59	0.015	0.034	0.034	Free Surface	1.767	0.105	0.023	0.07	0.084	1.426	1.492	Yes	0.076	1.555			
00542	485	506	8	293.58	0.008	0.04	0.04	Free Surface	1.506	0.13	0.036	0.087	0.091	1.088	1.111	Yes	0.102	1.185			
00543	478	482	8	231.41	0.008	0.006	0.006	Free Surface	0.812	0.053	0.005	0.035	0.034	0.929	1.066	Yes	0.063	0.341			
00544	483	482	8	395.86	0.032	0.011	0.011	Free Surface	1.635	0.053	0.005	0.035	0.048	1.875	2.15	Yes	0.063	0.684			
00545	490	504	8	223.17	0.007	0.092	0.092	Free Surface	1.785	0.205	0.092	0.137	0.138	1.017	0.999	No	0.137	1.785			
00546	488	489	8	416.81	0.004	0.006	0.006	Free Surface	0.667	0.06	0.007	0.04	0.034	0.713	0.803	Yes	0.044	0.577			
00548	493	495	8	389.5	0.022	0.006	0.006	Free Surface	1.162	0.041	0.003	0.028	0.034	1.502	1.785	Yes	0.039	0.707			
00549	495	494	8	399.99	0.007	0.011	0.011	Free Surface	0.991	0.074	0.011	0.049	0.048	0.958	1.048	Yes	0.069	0.602			
00550	494	490	8	155.39	0.028	0.069	0.069	Free Surface	2.689	0.126	0.034	0.084	0.119	1.971	2.019	Yes	0.108	1.872			
00551	499	494	8	230.38	0.009	0.052	0.052	Free Surface	1.677	0.144	0.044	0.096	0.103	1.151	1.163	No	0.096	1.677			
00552	502	499	8	223.83	0.011	0.034	0.034	Free Surface	1.593	0.113	0.027	0.075	0.084	1.24	1.287	Yes	0.087	1.278			
00553	501	502	8	293.58	0.012	0.029	0.029	Free Surface	1.551	0.101	0.021	0.068	0.076	1.274	1.339	Yes	0.073	1.374			
00554	500	501	8	378.61	0.014	0.023	0.023	Free Surface	1.511	0.089	0.016	0.059	0.068	1.329	1.42	Yes	0.064	1.352			
00555	498	499	8	354.83	0.008	0.011	0.011	Free Surface	1.021	0.072	0.01	0.048	0.048	0.997	1.094	Yes	0.074	0.544			
00556	497	498	8	378.31	0.016	0.006	0.006	Free Surface	1.041	0.045	0.004	0.03	0.034	1.296	1.523	Yes	0.038	0.737			
00557	565	353	8	66.02	0.067	0.134	0.134	Free Surface	4.458	0.141	0.043	0.094	0.167	3.091	3.131	Yes	0.189	1.635			
00558	564	565	8	398.29	0.018	0.13	0.13	Free Surface	2.782	0.192	0.081	0.128	0.165	1.641	1.618	No	0.128	2.782			
00559	563.00	564	8	282.35	0.03	0.127	0.127	Free Surface	3.335	0.167	0.06	0.111	0.163	2.12	2.113	Yes	0.12	2.998			
00560	562	563	8	147.8	0.028	0.003	0.003	Free Surface	1.058	0.029	0.002	0.019	0.025	1.631	2.043	Yes	0.067	0.171			
00561	561	560	8	133.44	0.023	0.003	0.003	Free Surface	0.984	0.031	0.002	0.02	0.025	1.479	1.839	Yes	0.031	0.534			
00562	560	559	8	174.5	0.041	0.016	0.016	Free Surface	1.956	0.057	0.006	0.038	0.056	2.152	2.44	No	0.038	1.956			
00563	559	354	8	398.63	0.038	0.019	0.019	Free Surface	2.021	0.063	0.008	0.042	0.061	2.112	2.36	Yes	0.09	0.663			
00565	558	560	8	45.33	0.027	0.009	0.009	Free Surface	1.453	0.049	0.005	0.033	0.043	1.719	1.99	Yes	0.037	1.219			
00566	556	558	8	330.75	0.057	0.006	0.006	Free Surface	1.666	0.034	0.002	0.023	0.035	2.368	2.894	Yes	0.026	1.372			
00567	555	556	8	118.77	0.036	0.003	0.003	Free Surface	1.147	0.028	0.001	0.018	0.025	1.817	2.295	Yes	0.022	0.867			
00568	367	366	8	190.02	0.016	0.003	0.003	Free Surface	0.863	0.034	0.002	0.022	0.025	1.242	1.523	Yes	0.026	0.67			
00569	366	368	8	352.61	0.028	0.006	0.006	Free Surface	1.306	0.04	0.003	0.027	0.035	1.709	2.038	Yes	0.029	1.169			
00570	368	365	8	270.92	0.028	0.009	0.009	Free Surface	1.468	0.049	0.005	0.033	0.043	1.742	2.018	Yes	0.04	1.097			
00571	365	364	8	201.05	0.01	0.012	0.012	Free Surface	1.123	0.071	0.01	0.048	0.05	1.102	1.211	Yes	0.087	0.462			
00572	364.00	369	8	120.83	0.008	0.087	0.087	Free Surface	1.88	0.19	0.079	0.127	0.134	1.114	1.099	No	0.127	1.88			
00573	461.00	251	8	353.06	0.008	0.074	0.074	Free Surface	1.81	0.175	0.067	0.117	0.124	1.121	1.113	No	0.117	1.81			
00574	467	466	8	159.66	0.068	0.004	0.004	Free Surface	1.51	0.026	0.001	0.017	0.027	2.472	3.153	Yes	0.033	0.577			
00575	2849	7	8	383.42	0.003	0.316	0.316	Free Surface	1.843	0.493	0.489	0.329	0.261	0.64	0.647	No	0.329	1.843			
00576	125	500	8	177.77	0.087	0.006	0.006	Free Surface	1.883	0.03	0.002	0.02	0.034	2.865	3.574	Yes	0.04	0.673			
00577	126	540	8	334.35	0.031	0.011	0.011	Free Surface	1.595	0.051	0.005	0.034	0.046	1.857	2.139	Yes	0.048	0.953			
00578	540	539	8	188.81	0.004	0.014	0.014	Free Surface	0.869	0.094	0.018	0.062	0.054	0.743	0.789	No	0.062	0.869			
00579	539	535	12	71.78	0.005	0.018	0.018	Free Surface	0.957	0.059	0.007	0.059	0.054	0.847	2.633	Yes	0.069	0.751			
00580	535.00	541	8	316.35	0.003	0.021	0.021	Free Surface	0.907	0.12	0.03	0.08	0.066	0.684	0.705	No	0.08	0.91			
00581	541	542	8	81.19	0.226	0.025	0.025	Free Surface	4.114	0.048	0.004	0.032	0.071	4.953	5.763	Yes	0.037	3.307			
00582	538	536	8	303.2	0.08	0.003	0.003	Free Surface	1.51	0.023	0.001	0.015	0.025	2.627	3.417	Yes	0.02	1.004			
00583	537	536	8	216.52	0.008	0.003	0.003	Free Surface	0.689	0.039	0.003	0.026	0.025	0.92	1.103	No	0.026	0.689			
00584	536	543	8	238.93	0.042	0.009	0.009	Free Surface	1.692	0.044	0.004	0.03	0.043	2.113	2.484	Yes	0.033	1.472			
00585	413	414	8	291.69	0.02	0.004	0.004	Free Surface	1.009	0.035	0.002	0.023	0.028	1.419	1.729	Yes	0.029	0.724			
00586	414.00	415	8	152.55	0.016	0.008	0.008	Free Surface	1.154	0.051	0.005	0.034	0.039	1.344	1.548	Yes	0.046	0.745			
00587	415	431	8	216.9	0.011	0.019	0.019	Free Surface	1.33	0.086	0.015	0.057	0.063	1.186	1.272	No	0.057	1.33			
00588	431	428	8	119.23	0.02	0.023	0.023	Free Surface	1.716	0.082	0.014	0.055	0.069	1.57	1.694	Yes	0.076	1.069			
00589	428	416	8	389.05	0.006	0.043	0.043	Free Surface	1.374	0.144	0.045	0.096	0.093	0.94	0.95	Yes	0.098	1.343			
00590	416	422	8	212.68	0.006	0.047	0.047	Free Surface	1.434	0.149	0.048	0.099	0.098	0.965	0.972	No	0.099	1.434			
00591	427	429	8	176.84	0.006	0.008	0.008	Free Surface	0.807	0.065	0.008	0.043	0.039	0.831	0.925	Yes	0.045	0.755			
00592	426	427	8	126.75	0.007	0.004	0.004	Free Surface	0.694	0.045	0.004	0.03	0.028	0.86	1.01	Yes	0.037	0.516			
00593	430	429	8	247.92	0.045	0.004	0.004	Free Surface	1.325	0.029	0.002	0.019	0.028	2.043	2.559	Yes	0.033	0.594			
00594	1395	1343	8	136.25	0.003	0.05	0.05	Free Surface	1.18	0.18	0.071	0.12	0.101	0.721	0.714	Yes	0.164	0.753			
00595	1396	1395	8	374.5	0.032	0.047	0.047	Free Surface	2.518	0.102	0.022	0.068	0.098	2.066	2.17	Yes	0.091	1.622			
00596	1397	1396	8	398.99	0.033	0.043	0.043	Free Surface	2.483	0.097	0.02	0.065	0.094	2.086	2.203	Yes	0.065	2.481			
00597	1398	1397	8	79.31	0.013	0.04	0.04	Free Surface	1.769	0.115	0.028	0.077	0.09	1.36	1.407	No	0.077	1.769			
00598	1401	1398	8	400.72	0.052	0.014	0.014	Free Surface	2.09	0.052	0.005	0.035	0.054	2.414	2.776	Yes	0.055	1.044			
00599	1399	1398	8	105.19	0.008	0.022	0.022	Free Surface	1.251	0.096	0.019	0.064	0.066	1.054	1.114	Yes	0.07	1.103			
00600	1400	1399	8	398.81	0.036	0.018	0.018	Free Surface	1.963	0.063	0.008	0.042	0.06	2.056	2.3	Yes	0.051	1.455			
00601	1406	1400	8	181.68	0.067	0.014	0.014	Free Surface	2.275	0.049	0.005	0.033	0.054	2.704	3.134	Yes	0.039	1.739			
00602	1407	1406	8	179.8	0.083	0.011	0.011	Free Surface	2.243	0.041	0.003	0.027	0.047	2.926	3.484	Yes	0.03	1.949			
00603	1402	1401	8	262.55	0.061	0.011	0.011	Free Surface	2.017	0.044	0.004	0.029	0.047	2.537	2.99	Yes	0.032	1.74			
00604	1403	1402	8	146.59	0.045	0.007	0.007	Free Surface	1.606	0.039	0.003	0.026	0.038	2.146	2.574	Yes	0.029	1.33			
00605	1405	1407	8	114.24	0.093	0.007	0.007	Free Surface	2.064	0.033	0.002	0.022	0.038	3.003	3.695	Yes	0.023	1.907			
00606	1,404.00	1405	8	146.14	0.033	0.004	0.004	Free Surface	1.165	0.03	0.002	0.02	0.027	1.765	2.199	Yes	0.022	1.005			
00607	1347	2635	8	17.39	0.003	0.036	0.036	Free Surface	1	0.16	0.055	0.107	0.086	0.649	0.65	No	0.107	1			
00608	1363	1362	8	192.5	0.043	0.068	0.068	Free Surface	3.136	0.113	0.027	0.075	0.119	2.434	2.524	Yes	0.079	2.919			
00609	1364	1363	8	166.89	0.053	0.065	0.065	Free Surface	3.317	0.105	0.023	0.07	0.115	2.676	2.799	Yes	0.072	3.191			
00610	1727	1345	8	471.55	0.026	0.205	0.205	Free Surface	3.626	0.219	0.105	0.146	0.208	1.996	1.951	Yes	0.154	3.357			
00611	1368	1641	8	194.71	0.083	0.018	0.018	Free Surface	2.625	0.052	0.005	0.034	0.06	3.037	3.492	Yes	0.039	2.176			
00612	1641	1359	8	384.37	0.033	0.022	0.022	Free Surface	2.005	0.07	0.01	0.047	0.066	1.987	2.19	Yes	0.056	1.542			
00613	1359	1358	8	162.76	0.008	0.025	0.025	Free Surface	1.292	0.105	0.023	0.07	0.071	1.042	1.091	No	0.07	1.292			
00614	1,358.00	1357	8	236.71	0.036	0.029	0.029	Free Surface	2.254	0.079	0.013	0.052	0.076	2.106	2.285	Yes	0.067	1.566			
00615	429	428	8	350.68	0.016	0.016	0.016	Free Surface	1.418	0.071	0.01	0.047	0.056	1.397	1.537	Yes	0.072	0.767			
00616	424	425	8	330.17	0.025	0.008	0.008	Free Surface	1.346	0.046	0.004	0.031	0.039	1.65	1.93	Yes	0.033	1.211			
00617	423	424	8	119.1	0.052	0.004	0.004	Free Surface	1.395	0.028	0.001	0.019	0.028	2.19	2.758	Yes	0.025	0.927			

00618	421	422	8	136.51	0.003	0.012	0.012	Free Surface	0.692	0.095	0.019	0.063	0.048	0.588	0.622	Yes	0.075	0.544			
00619	420	421	8	303.45	0.023	0.008	0.008	Free Surface	1.305	0.047	0.004	0.031	0.039	1.584	1.847	Yes	0.047	0.708			
00620	419	420	8	218.82	0.072	0.004	0.004	Free Surface	1.564	0.026	0.001	0.017	0.028	2.552	3.253	Yes	0.024	0.948			
00621	317	316	12	250.5	0.004	0.914	0.914	Free Surface	2.712	0.444	0.407	0.444	0.401	0.821	2.246	No	0.444	2.712			
00622	318	317	12	248.25	0.012	0.91	0.91	Free Surface	4.103	0.326	0.229	0.326	0.4	1.486	3.972	Yes	0.385	3.267			
00623	319	318	12	350.87	0.009	0.906	0.906	Free Surface	3.655	0.353	0.267	0.353	0.399	1.265	3.39	No	0.353	3.655			
00624	104.00	103	12	191.63	0.014	0.862	0.862	Free Surface	4.183	0.309	0.207	0.309	0.389	1.561	4.169	Yes	0.776	1.318			
00625	105	104	12	189.21	0.022	0.858	0.858	Free Surface	4.967	0.272	0.162	0.272	0.388	1.987	5.31	Yes	0.29	4.534			
00626	102.00	105	12	196.9	0.041	0.854	0.854	Free Surface	6.186	0.232	0.118	0.232	0.387	2.695	7.241	Yes	0.252	5.489			
00627	320	102	12	258.68	0.021	0.85	0.85	Free Surface	4.894	0.273	0.163	0.273	0.386	1.953	5.22	No	0.273	4.894			
00628	438	319	12	364.47	0.022	0.902	0.902	Free Surface	5.017	0.28	0.171	0.28	0.398	1.975	5.276	Yes	0.316	4.229			
00629	439	438	12	12.66	0.041	0.87	0.87	Free Surface	6.217	0.234	0.12	0.234	0.391	2.696	7.24	Yes	0.257	5.45			
00630	103	439	12	186.34	0.003	0.866	0.866	Free Surface	2.299	0.484	0.473	0.484	0.39	0.66	1.832	No	0.484	2.299			
00631	2460	2459	8	247.88	0.004	0.007	0.007	Free Surface	0.704	0.067	0.009	0.045	0.038	0.712	0.789	Yes	0.058	0.48			
00632	677	678	8	279.17	0.031	0.004	0.004	Free Surface	1.135	0.031	0.002	0.02	0.027	1.708	2.123	Yes	0.05	0.299			
00633	294	295	8	222.51	0.026	0.083	0.083	Free Surface	2.776	0.14	0.042	0.093	0.131	1.929	1.954	Yes	0.095	2.727			
00634	2373	2382	8	298.44	0.027	0.011	0.011	Free Surface	1.527	0.054	0.006	0.036	0.047	1.727	1.973	Yes	0.064	0.656			
00635	1620	2383	8	376.39	0.01	0.005	0.005	Free Surface	0.837	0.046	0.004	0.031	0.031	1.03	1.205	No	0.031	0.837			
00636	1631	1728	10	267.37	0.006	0.395	0.395	Free Surface	2.485	0.333	0.239	0.277	0.274	0.974	1.651	Yes	0.29	2.335			
00638	1557	1554	8	167.48	0.042	0.024	0.024	Free Surface	2.268	0.069	0.01	0.046	0.07	2.263	2.498	Yes	0.049	2.084			
00640	1635	1634	8	474.96	0.026	0.17	0.17	Free Surface	3.455	0.199	0.086	0.132	0.189	2.002	1.97	Yes	0.15	2.903			
00641	1123	1124	21	362.8	0.003	2.934	2.934	Free Surface	3.262	0.4	0.338	0.701	0.621	0.794	8.692	Yes	0.744	3.01			
00642	1124	1120	21	409.27	0.002	2.936	2.936	Free Surface	2.775	0.453	0.421	0.792	0.622	0.628	6.976	No	0.792	2.775			
00643	1634	1614	8	387.79	0.011	0.172	0.172	Free Surface	2.535	0.249	0.136	0.166	0.19	1.301	1.265	No	0.166	2.535			
00644	1614	1615	8	331.91	0.012	0.175	0.175	Free Surface	2.606	0.247	0.134	0.165	0.192	1.345	1.307	No	0.165	2.606			
00645	1564	1558	8	134.2	0.036	0.029	0.029	Free Surface	2.271	0.078	0.012	0.052	0.076	2.129	2.311	Yes	0.06	1.859			
00646	543	675	8	242.89	0.031	0.012	0.012	Free Surface	1.665	0.055	0.006	0.036	0.05	1.874	2.138	Yes	0.087	0.465			
00647	508	676	8	211.65	0.01	0.181	0.181	Free Surface	2.49	0.262	0.15	0.174	0.195	1.246	1.209	No	0.174	2.49			
00648	676	675	8	273.77	0.067	0.184	0.184	Free Surface	4.909	0.164	0.059	0.11	0.197	3.14	3.134	Yes	0.123	4.152			
00649	675	694	8	358.98	0.035	0.2	0.2	Free Surface	4.006	0.2	0.088	0.134	0.205	2.311	2.271	Yes	0.139	3.795			
00650	694	692	8	326.32	0.034	0.215	0.215	Free Surface	4.062	0.209	0.096	0.139	0.213	2.291	2.246	Yes	0.156	3.446			
00651	693	692	8	362.03	0.064	0.031	0.031	Free Surface	2.831	0.071	0.01	0.047	0.079	2.792	3.073	Yes	0.11	0.816			
00652	692	570	8	160.85	0.02	0.249	0.249	Free Surface	3.515	0.257	0.144	0.171	0.23	1.776	1.725	No	0.171	3.515			
00653	570	571	8	132.92	0.034	0.258	0.258	Free Surface	4.263	0.23	0.116	0.153	0.235	2.286	2.23	Yes	0.155	4.205			
00654	571	572	8	294.14	0.033	0.261	0.261	Free Surface	4.255	0.232	0.118	0.155	0.236	2.27	2.213	Yes	0.157	4.185			
00655	572	568	8	297.42	0.034	0.264	0.264	Free Surface	4.28	0.233	0.119	0.155	0.238	2.278	2.22	Yes	0.156	4.272			
00656	715	716	8	249.49	0.017	0.049	0.049	Free Surface	2.048	0.121	0.031	0.08	0.1	1.537	1.583	Yes	0.088	1.787			
00657	716	807	8	401.9	0.008	0.053	0.053	Free Surface	1.618	0.149	0.048	0.1	0.104	1.088	1.096	No	0.1	1.618			
00658	807	808	8	169.47	0.025	0.057	0.057	Free Surface	2.43	0.118	0.03	0.079	0.108	1.842	1.901	Yes	0.085	2.198			
00660	808	710	8	242.93	0.016	0.06	0.06	Free Surface	2.149	0.135	0.039	0.09	0.111	1.525	1.552	Yes	0.095	1.98			
00661	710.00	809	8	77.04	0.014	0.064	0.064	Free Surface	2.075	0.144	0.045	0.096	0.115	1.422	1.438	Yes	0.096	2.062			
00662	809	810	8	401.43	0.019	0.068	0.068	Free Surface	2.334	0.138	0.041	0.092	0.118	1.635	1.66	No	0.092	2.334			
00663	810	708	8	220.87	0.026	0.072	0.072	Free Surface	2.654	0.131	0.037	0.087	0.121	1.909	1.948	Yes	0.096	2.304			
00664	708	709	8	59.03	0.014	0.075	0.075	Free Surface	2.174	0.156	0.053	0.104	0.125	1.431	1.435	No	0.104	2.174			
00665	575	720	8	230.38	0.026	0.082	0.082	Free Surface	2.783	0.14	0.042	0.093	0.13	1.938	1.965	No	0.093	2.783			
00666	720	646	8	226.04	0.033	0.089	0.089	Free Surface	3.102	0.137	0.04	0.091	0.136	2.181	2.214	Yes	0.093	3.023			
00667	646	645	8	220.73	0.033	0.093	0.093	Free Surface	3.117	0.14	0.042	0.094	0.139	2.164	2.192	No	0.094	3.117			
00668	645	644	8	316.88	0.034	0.104	0.104	Free Surface	3.266	0.147	0.046	0.098	0.147	2.217	2.237	Yes	0.098	3.254			
00669	644	642	8	319.15	0.033	0.107	0.107	Free Surface	3.249	0.151	0.049	0.1	0.149	2.175	2.189	No	0.1	3.249			
00670	642	641	8	148.02	0.035	0.111	0.111	Free Surface	3.373	0.15	0.049	0.1	0.152	2.262	2.277	No	0.1	3.373			
00671	641	638	8	171.23	0.05	0.115	0.115	Free Surface	3.834	0.141	0.042	0.094	0.154	2.661	2.696	Yes	0.146	2.027			
00672	534	655	8	222.81	0.022	0.022	0.022	Free Surface	1.752	0.077	0.012	0.051	0.066	1.656	1.802	No	0.051	1.752			
00673	830	654	8	330.94	0.076	0.002	0.002	Free Surface	1.275	0.018	0.001	0.012	0.019	2.481	3.342	Yes	0.022	0.545			
00674	654	151	8	247.87	0.008	0.004	0.004	Free Surface	0.715	0.043	0.004	0.029	0.027	0.905	1.069	Yes	0.111	0.098			
00675	542	832	8	187.59	0.073	0.029	0.029	Free Surface	2.888	0.066	0.009	0.044	0.076	2.945	3.269	Yes	0.048	2.569			
00676	652	648	8	428.94	0.033	0.061	0.061	Free Surface	2.742	0.114	0.028	0.076	0.111	2.118	2.194	Yes	0.087	2.246			
00677	568.00	579	8	158.12	0.032	0.271	0.271	Free Surface	4.218	0.239	0.126	0.16	0.24	2.213	2.154	Yes	0.274	2			
00678	579	581	8	45.72	0.042	0.274	0.274	Free Surface	4.688	0.224	0.11	0.149	0.242	2.549	2.489	Yes	0.177	3.689			
00679	717	718	8	280.72	0.035	0.003	0.003	Free Surface	1.14	0.028	0.001	0.018	0.025	1.806	2.28	Yes	0.082	0.125			
00680	665	663	8	52.18	0.039	0.421	0.421	Free Surface	5.155	0.284	0.176	0.189	0.302	2.466	2.39	No	0.189	5.155			
00681	832	2459	8	300.8	0.04	0.032	0.032	Free Surface	2.431	0.081	0.013	0.054	0.081	2.243	2.426	Yes	0.063	1.938			
00682	151.00	665	8	194.38	0.035	0.419	0.419	Free Surface	4.972	0.29	0.184	0.194	0.302	2.349	2.276	No	0.194	4.972			
00683	2459	679	8	235.61	0.021	0.043	0.043	Free Surface	2.124	0.108	0.024	0.072	0.094	1.692	1.766	Yes	0.072	2.097			
00684	679	678	8	247.21	0.03	0.047	0.047	Free Surface	2.45	0.103	0.022	0.069	0.097	1.995	2.092	Yes	0.074	2.184			
00685	7.00	6	8	401.49	0.004	0.322	0.322	Free Surface	2.057	0.459	0.432	0.306	0.263	0.747	0.745	Yes	0.309	2.034			
00686	6	5	8	394.82	0.004	0.327	0.327	Free Surface	2.043	0.468	0.446	0.312	0.265	0.734	0.734	No	0.312	2.043			
00688	3	195	18	341.57	0.006	2.204	2.204	Free Surface	3.813	0.362	0.281	0.544	0.561	1.061	7.851	No	0.544	3.813			
00689	195	196	18	507.2	0.01	2.204	2.204	Free Surface	4.641	0.314	0.214	0.471	0.561	1.4	10.309	Yes	0.616	3.226			
00690	271	51	12	423.57	0.005	0.1	0.1	Free Surface	1.512	0.139	0.042	0.139	0.129	0.861	2.406	Yes	0.14	1.5			
00691	51	52	12	419.96	0.005	0.1	0.1	Free Surface	1.521	0.139	0.041	0.139	0.129	0.867	2.424	Yes	0.142	1.47			
00692	52	53	12	419.45	0.004	0.101	0.101	Free Surface	1.482	0.142	0.043	0.142	0.129	0.836	2.332	Yes	0.64	0.19			
00693	269	270	8	424.91	0.016	0.037	0.037	Free Surface	1.833	0.107	0.024	0.071	0.086	1.464	1.528	Yes	0.113	0.94			
00694	280	279	8	226.8	0.005	0.061	0.061	Free Surface	1.446	0.179	0.07	0.119	0.112	0.885	0.877	No	0.119	1.446			
00695	278	279	8	172.03	0.027	0.001	0.001	Free Surface	0.714	0.017	0	0.011	0.013	1.459	1.996	Yes	0.053	0.069			
00696	277	278	8	182.6	0.006	0.001	0.001	Free Surface	0.377	0.021	0.001	0.014	0.012	0.685	0.902	No	0.014	0.377			
00697	270	271	8	294.13	0.005	0.099	0.099	Free Surface	1.648	0.229	0.115	0.153	0.143	0.886	0.864	No	0.153	1.648			
00698	272	271	8	59.9	0.161	0.001	0.001	Free Surface	0	0	0	0	0.012	0	4.867	Yes	0.067	0.037			
00698	272	271	8	59.9	0.161	0.001	0.001	Free Surface	0	0	0	0	0.012	0	4.867	Yes	0.067	0.037			
00698	272	271	8	59.9	0.161	0.001	0.001	Free Surface	0	0	0	0	0.012	0	4.867	Yes	0.067	0.037			
00699	276	277	8	109.6	0.004	0	0	Free Surface	0.302	0.019	0.001	0.012	0.01	0.583	0.784	Yes	0.013	0.291			
00700	719	720	8	234.54	0.006	0.004	0.004	Free Surface	0.634	0.045	0.004	0.03	0.027	0.784	0.919	Yes	0.061	0.225			
00701	661	833	8	340.48	0.029	0.004	0.004	Free Surface	1.115	0.031	0.002	0.021	0.027	1.668	2.07	Yes	0.028	0.696			
00702	273	272	8	107.36	0.008	0	0	Free Surface	0.384	0.016	0	0.011	0.01	0.805	1.11	No	0.011	0.384			
00703	275	276	8	97.12	0.008	0	0	Free Surface	0.305	0.012	0	0.008	0.007	0.745	1.08	Yes	0.011	0.18			
00704	274	273	8	97.32	0	0	0	Free Surface	0.106	0.024	0.001	0.016	0.007	0.182	0.236	No	0.016	0.106			
00706	269.00	280	8	95.36	0.036	0.056	0.056	Free Surface	2.771	0.107	0.024	0.071	0.107	2.214	2.311	Yes	0.095	1.815			
00707	281	280	8	217.78	0.005	0.005	0.005	Free Surface	0.689	0.057	0.006	0.038	0.033	0.759	0.861	Yes	0.079	0.235			
00708	282	281	8	64.45	0.003	0.004	0.004	Free Surface	0.542	0.057	0.006	0.038	0.029	0.595	0.675	No	0.038	0.542			
00709	121	282	8	104.95	0.009	0.002	0.002	Free Surface	0.644	0.033	0.002	0.022	0.021	0.933	1.147	Yes	0.03	0.405			
00710	118	121	8	48.3	0	0.002	0.002	Free Surface	0.155	0.068	0.009	0.045	0.018	0.156	0.173	No	0.045	0.155			
00711	117	118	8	66.47	0.011	0.001	0.001	Free Surface	0.582	0.025	0.001	0.017	0.016	0.969	1.243	Yes	0.031	0.233			
00712	116	117	8	76.01	0.013	0.001	0.001	Free Surface	0.591	0.022	0.001	0.015	0.015	1.05	1.375	Yes	0.015	0.549			
00713	115	116	8	70.27	0.01	0.001	0.001	Free Surface	0.501	0.021	0.001	0.014	0.013	0.908	1.195	Yes	0.016	0.399			
00714	112	115	8	142.46	0.012	0.001	0.001	Free Surface	0.487	0.018	0.001	0.012	0.012	0.965	1.306	No	0.012	0.487			
00715	111	112	8	52.27	0.021	0	0	Free Surface	0.529	0.013	0	0.009	0.01	1.232	1.758	Yes	0.011	0.386			
00716	110	111	8	54.29	0.043	0	0	Free Surface	0	0	0	0	0.007	0	2.504	Yes	0.004	0.996			
00716	110	111	8	54.29	0.043	0	0	Free Surface	0	0	0	0	0.007	0	2.504	Yes	0.004	0.996			
00716	110	111	8	54.29	0.043	0	0	Free Surface	0	0	0	0	0.007	0	2.504	Yes	0.004	0.996			
00717	119	120	8	72.33	0.009	0	0	Free Surface	0.323	0.011	0	0.007	0.007	0.806	1.175	Yes	0.01	0.223			
00718	120	121	8	375.12	0.006	0	0	Free Surface	0.348	0.017	0	0.011	0.01	0.704	0.961	Yes	0.017	0.197			
00719	122	281	8	189.69	0.017	0.001	0.001	Free Surface	0.602	0.019	0.001	0.012	0.013	1.16	1.559	Yes	0.025	0.211			
00720	123	122	8	79.2	0.018	0.001	0.001	Free Surface	0.566	0.016	0	0.011	0.012	1.176	1.619	Yes	0.013	0.403			

00721	2	1	8	75.26	0.012	0	0	Free Surface	0.353	0.011	0	0.007	0.007	0.907	1.336	Yes	0.012	0.156			
00722	1	123	8	68.11	0.004	0	0	Free Surface	0.298	0.019	0.001	0.013	0.01	0.572	0.767	Yes	0.013	0.278			
00723	283	282	8	118.7	0.006	0.002	0.002	Free Surface	0.518	0.033	0.002	0.022	0.019	0.751	0.924	Yes	0.03	0.325			
00724	285	283	8	72.03	0.007	0.002	0.002	Free Surface	0.543	0.029	0.002	0.019	0.018	0.837	1.049	Yes	0.021	0.494			
00726	286	285	8	155.11	0.007	0.001	0.001	Free Surface	0.517	0.027	0.001	0.018	0.016	0.827	1.048	Yes	0.019	0.49			
00727	287	286	8	64.1	0.005	0.001	0.001	Free Surface	0.42	0.028	0.001	0.018	0.015	0.667	0.843	No	0.018	0.42			
00728	288	287	8	88.34	0.003	0.001	0.001	Free Surface	0.317	0.029	0.001	0.019	0.013	0.492	0.618	No	0.019	0.317			
00729	289	288	8	58.9	0.03	0.001	0.001	Free Surface	0.676	0.014	0	0.01	0.012	1.493	2.094	Yes	0.014	0.366			
00730	290	289	8	71.29	0.018	0	0	Free Surface	0	0	0	0	0.007	0	1.615	Yes	0.003	1.401			
00730	290	289	8	71.29	0.018	0	0	Free Surface	0	0	0	0	0.007	0	1.615	Yes	0.003	1.401			
00730	290	289	8	71.29	0.018	0	0	Free Surface	0	0	0	0	0.007	0	1.615	Yes	0.003	1.401			
00731	291	289	8	44.98	0.031	0	0	Free Surface	0	0	0	0	0.007	0	2.135	Yes	0.003	1.401			
00731	291	289	8	44.98	0.031	0	0	Free Surface	0	0	0	0	0.007	0	2.135	Yes	0.003	1.401			
00731	291	289	8	44.98	0.031	0	0	Free Surface	0	0	0	0	0.007	0	2.135	Yes	0.003	1.401			
00732	210	209	8	163.22	0.021	0.015	0.015	Free Surface	1.549	0.065	0.008	0.043	0.055	1.593	1.772	Yes	0.05	1.268			
00734	264	263	8	397.25	0.036	0.006	0.006	Free Surface	1.4	0.038	0.003	0.025	0.035	1.899	2.289	Yes	0.026	1.344			
00735	263	261	8	101.97	0.063	0.012	0.012	Free Surface	2.107	0.046	0.004	0.03	0.049	2.596	3.041	Yes	0.046	1.142			
00736	261	260	8	272.43	0.006	0.015	0.015	Free Surface	0.985	0.089	0.016	0.059	0.055	0.866	0.926	Yes	0.061	0.93			
00737	260	258	8	190.42	0.006	0.018	0.018	Free Surface	1.054	0.096	0.019	0.064	0.06	0.891	0.943	No	0.064	1.054			
00738	209	208	8	91.05	0.013	0.018	0.018	Free Surface	1.369	0.08	0.013	0.053	0.06	1.266	1.37	No	0.053	1.369			
00739	205	18	8	118.3	0.005	0.009	0.009	Free Surface	0.826	0.071	0.01	0.047	0.042	0.816	0.898	Yes	0.068	0.485			
00740	48	237	8	152.96	0.005	0.003	0.003	Free Surface	0.575	0.043	0.003	0.029	0.024	0.729	0.861	Yes	0.034	0.441			
00741	237	205	8	126.61	0.007	0.006	0.006	Free Surface	0.803	0.055	0.006	0.037	0.035	0.902	1.028	Yes	0.043	0.637			
00742	258	259	8	185.19	0.112	0.021	0.021	Free Surface	3.057	0.052	0.005	0.034	0.065	3.533	4.063	Yes	0.037	2.788			
00743	594	836	8	206.48	0.036	0.005	0.005	Free Surface	1.298	0.034	0.002	0.022	0.031	1.865	2.286	Yes	0.032	0.773			
00744	598	595	8	192.73	0.008	0.003	0.003	Free Surface	0.676	0.04	0.003	0.026	0.025	0.894	1.068	No	0.026	0.676			
00745	2825	598	8	275.85	0.002	0.002	0.002	Free Surface	0.337	0.04	0.003	0.027	0.018	0.445	0.532	Yes	0.027	0.32			
00746	838	594	8	299.4	0.051	0.003	0.003	Free Surface	1.298	0.026	0.001	0.017	0.025	2.138	2.733	Yes	0.021	0.954			
00747	839	838	8	350.87	0.024	0.002	0.002	Free Surface	0.809	0.022	0.001	0.015	0.018	1.435	1.877	Yes	0.016	0.722			
00748	690.00	691	8	283.77	0.057	0.004	0.004	Free Surface	1.401	0.026	0.001	0.018	0.027	2.271	2.89	Yes	0.029	0.68			
00749	691	701	8	279.9	0.008	0.007	0.007	Free Surface	0.886	0.057	0.006	0.038	0.038	0.972	1.101	Yes	0.039	0.872			
00750	700	701	8	120.31	0.026	0.004	0.004	Free Surface	1.067	0.032	0.002	0.021	0.027	1.578	1.951	Yes	0.03	0.631			
00751	701	702	8	400.94	0.031	0.014	0.014	Free Surface	1.737	0.058	0.007	0.039	0.053	1.893	2.141	Yes	0.044	1.428			
00752	703	702	8	289.65	0.014	0.004	0.004	Free Surface	0.86	0.037	0.002	0.024	0.027	1.182	1.431	Yes	0.037	0.463			
00753	840	702	8	279.81	0.006	0.004	0.004	Free Surface	0.632	0.045	0.004	0.03	0.027	0.783	0.919	Yes	0.04	0.416			
00754	702	591	8	284.34	0.028	0.025	0.025	Free Surface	1.988	0.077	0.012	0.052	0.071	1.873	2.037	No	0.052	1.988			
00755	591	841	8	300.58	0.028	0.028	0.028	Free Surface	2.066	0.083	0.014	0.055	0.076	1.884	2.03	Yes	0.058	1.938			
00756	841	593	8	299.35	0.027	0.032	0.032	Free Surface	2.102	0.088	0.016	0.059	0.08	1.85	1.977	Yes	0.062	1.938			
00757	590	593	8	324.88	0.015	0.004	0.004	Free Surface	0.88	0.036	0.002	0.024	0.027	1.22	1.479	Yes	0.045	0.349			
00758	593	592	8	323.98	0.031	0.039	0.039	Free Surface	2.361	0.094	0.018	0.062	0.089	2.018	2.141	Yes	0.069	2.024			
00759	724	603	8	226.48	0.03	0.05	0.05	Free Surface	2.513	0.106	0.023	0.071	0.101	2.019	2.111	Yes	0.077	2.195			
00760	592	724	8	136.33	0.015	0.042	0.042	Free Surface	1.865	0.117	0.029	0.078	0.093	1.424	1.472	No	0.078	1.865			
00761	603	604	8	218	0.021	0.053	0.053	Free Surface	2.265	0.119	0.03	0.079	0.104	1.713	1.766	Yes	0.08	2.243			
00762	604.00	605	8	259.64	0.03	0.064	0.064	Free Surface	2.711	0.119	0.03	0.08	0.114	2.048	2.111	Yes	0.09	2.279			
00763	605	606	8	222.14	0.014	0.067	0.067	Free Surface	2.086	0.148	0.047	0.099	0.118	1.409	1.419	Yes	0.108	1.833			
00764	606	612	8	235.68	0.026	0.135	0.135	Free Surface	3.227	0.178	0.069	0.119	0.168	1.982	1.966	No	0.119	3.227			
00765	612	608	8	242.2	0.034	0.139	0.139	Free Surface	3.56	0.169	0.062	0.113	0.17	2.245	2.235	Yes	0.113	3.533			
00766	608	611	8	319.51	0.047	0.157	0.157	Free Surface	4.136	0.166	0.06	0.11	0.181	2.636	2.63	Yes	0.118	3.762			
00767	611	625	8	175.19	0.029	0.16	0.16	Free Surface	3.521	0.188	0.077	0.125	0.183	2.1	2.073	Yes	0.126	3.479			
00768	625	1647	8	228.06	0.029	0.164	0.164	Free Surface	3.514	0.191	0.08	0.127	0.185	2.077	2.049	Yes	0.172	2.289			
00769	684	683	8	279.12	0.011	0.003	0.003	Free Surface	0.767	0.037	0.003	0.025	0.025	1.047	1.264	No	0.025	0.767			
00770	683	842	8	341.58	0.049	0.006	0.006	Free Surface	1.594	0.036	0.002	0.024	0.036	2.204	2.671	Yes	0.029	1.214			
00771	842	334	8	342.34	0.026	0.01	0.01	Free Surface	1.448	0.051	0.005	0.034	0.044	1.688	1.946	Yes	0.037	1.297			
00772	335	334	8	298.56	0.039	0.003	0.003	Free Surface	1.193	0.028	0.001	0.018	0.025	1.889	2.386	Yes	0.029	0.615			
00773	589	722	8	231.42	0.014	0.032	0.032	Free Surface	1.687	0.104	0.023	0.069	0.081	1.37	1.435	No	0.069	1.687			
00774	843	589	8	226.89	0.016	0.029	0.029	Free Surface	1.729	0.095	0.019	0.063	0.077	1.469	1.556	Yes	0.067	1.581			
00775	587	843	8	299.7	0.025	0.023	0.023	Free Surface	1.858	0.076	0.012	0.051	0.068	1.765	1.924	Yes	0.059	1.489			
00776	588	587	8	300.83	0.026	0.019	0.019	Free Surface	1.782	0.071	0.01	0.047	0.063	1.76	1.938	Yes	0.051	1.582			
00777	334	588	8	284.94	0.031	0.016	0.016	Free Surface	1.807	0.062	0.008	0.041	0.057	1.908	2.139	Yes	0.045	1.585			
00778	721	722	8	276.79	0.01	0.003	0.003	Free Surface	0.755	0.038	0.003	0.025	0.025	1.025	1.235	Yes	0.041	0.362			
00779	723	724	8	274.13	0.029	0.004	0.004	Free Surface	1.111	0.031	0.002	0.021	0.027	1.667	2.07	Yes	0.046	0.333			
00780	722	618	8	234.76	0.035	0.039	0.039	Free Surface	2.455	0.091	0.017	0.061	0.089	2.132	2.27	Yes	0.066	2.176			
00781	618	617	8	218.55	0.019	0.042	0.042	Free Surface	2.046	0.109	0.025	0.072	0.093	1.621	1.689	No	0.072	2.046			
00782	626	617	8	278.48	0.015	0.003	0.003	Free Surface	0.851	0.035	0.002	0.023	0.025	1.203	1.468	Yes	0.046	0.307			
00783	617	844	8	242.8	0.027	0.048	0.048	Free Surface	2.402	0.107	0.024	0.072	0.1	1.914	1.997	Yes	0.072	2.361			
00784	844	615	8	230.74	0.028	0.055	0.055	Free Surface	2.53	0.113	0.027	0.075	0.106	1.966	2.039	Yes	0.097	1.749			
00785	615	613	8	241.17	0.005	0.061	0.061	Free Surface	1.402	0.183	0.073	0.122	0.112	0.848	0.839	No	0.122	1.402			
00786	624	615	8	225.97	0.01	0.003	0.003	Free Surface	0.748	0.038	0.003	0.025	0.025	1.012	1.219	Yes	0.072	0.159			
00787	613	606	8	250.27	0.024	0.065	0.065	Free Surface	2.522	0.126	0.034	0.084	0.115	1.848	1.893	Yes	0.101	1.946			
00788	614.00	610	8	249.95	0.027	0.004	0.004	Free Surface	1.082	0.031	0.002	0.021	0.027	1.607	1.991	Yes	0.029	0.68			
00789	610	609	8	242.32	0.02	0.011	0.011	Free Surface	1.373	0.056	0.006	0.037	0.046	1.524	1.732	Yes	0.043	1.119			
00790	609	608	8	238.29	0.013	0.014	0.014	Free Surface	1.267	0.072	0.01	0.048	0.053	1.239	1.36	Yes	0.081	0.587			
00791	621	622	8	240.72	0.008	0.004	0.004	Free Surface	0.715	0.043	0.003	0.029	0.027	0.906	1.07	No	0.029	0.715			
00792	623	621	8	229.36	0.044	0.002	0.002	Free Surface	1.055	0.021	0.001	0.014	0.019	1.927	2.545	Yes	0.021	0.588			
00793	356	2833	8	314.64	0.019	0.006	0.006	Free Surface	1.14	0.044	0.004	0.03	0.035	1.425	1.676	Yes	0.034	0.91			
00794	342	341	8	272.35	0.018	0.028	0.028	Free Surface	1.752	0.092	0.017	0.061	0.075	1.516	1.613	Yes	0.064	1.652			
00795	341.00	340	8	193.03	0.012	0.031	0.031	Free Surface	1.577	0.106	0.023	0.07	0.079	1.268	1.325	Yes	0.14	0.582			
00796	350	351	8	319.11	0.027	0.208	0.208	Free Surface	3.685	0.219	0.105	0.146	0.21	2.028	1.983	No	0.146	3.685			
00797	349	350	8	146.22	0.004	0.205	0.205	Free Surface	1.921	0.345	0.256	0.23	0.208	0.825	0.801	Yes	0.667	0.587			
00798	352	349	8	204.86	0.005	0.202	0.202	Free Surface	1.99	0.332	0.239	0.222	0.207	0.872	0.847	Yes	0.385	0.968			
00799	355	356	8	310.07	0.029	0.003	0.003	Free Surface	1.068	0.029	0.002	0.019	0.025	1.652	2.072	Yes	0.026	0.67			
00800	354	353	8	217.07	0.003	0.059	0.059	Free Surface	1.112	0.209	0.096	0.14	0.11	0.626	0.614	Yes	0.212	0.617			
00801	552	1140	8	230.12	0.112	0.019	0.019	Free Surface	2.946	0.049	0.005	0.033	0.061	3.502	4.058	Yes	0.04	2.21			
00802	554	705	8	154.06	0.032	0.003	0.003	Free Surface	1.101	0.028	0.001	0.019	0.025	1.72	2.163	Yes	0.03	0.554			
00803	704	705	8	178.79	0.03	0.006	0.006	Free Surface	1.33	0.04	0.003	0.027	0.035	1.752	2.092	Yes	0.034	0.928			
00804	370	704	8	232.38	0.035	0.003	0.003	Free Surface	1.138	0.028	0.001	0.019	0.025	1.799	2.27	Yes	0.021	0.937			
00805	343	342	8	149.9	0.05	0.016	0.016	Free Surface	2.105	0.054	0.006	0.036	0.056	2.374	2.711	Yes	0.051	1.286			
00806	346	345	8	107.05	0.02	0.003	0.003	Free Surface	0.93	0.032	0.002	0.021	0.025	1.372	1.695	Yes	0.025	0.715			
00807	668	666	8	232.72	0.06	0.155	0.155	Free Surface	4.477	0.155	0.052	0.104	0.18	2.95	2.96	Yes	0.197	1.795			
00808	667	666	8	10.39	0.019	0.3	0.3	Free Surface	3.641	0.286	0.179	0.191	0.254	1.735	1.681	Yes	0.239	2.674			
00809	666	674	8	281.35	0.01	0.46	0.46	Free Surface	3.203	0.43	0.384	0.287	0.317	1.211	1.197	No	0.287	3.203			
00813	363	2832	8	220.34	0.159	0.093	0.093	Free Surface	5.422	0.096	0.019	0.064	0.139	4.57	4.831	Yes	0.075	4.322			
00814	669	668	8	337.46	0.033	0.151	0.151	Free Surface	3.617	0.177	0.068	0.118	0.178	2.226	2.208	No	0.118	3.617			
00815	706	674	8	450.68	0.058	0.119	0.119	Free Surface	4.096	0.138	0.041	0.092	0.157	2.875	2.919	Yes	0.126	2.59			
00816	805	806	8	396.57	0.007	0.008	0.008	Free Surface	0.833	0.062	0.008	0.042	0.039	0.875	0.98	Yes	0.055	0.552			
00817	1058	1057	8	113.8	0.006	0.002	0.002	Free Surface	0.501	0.031	0.002	0.02	0.018	0.755	0.94	Yes	0.021	0.466			
00818	709	713	8	225.9	0.081	0.079	0.079	Free Surface	4.073	0.105	0.023	0.07	0.128	3.289	3.441	No	0.07	4.073			
00819	713	670	8	137.17	0.14	0.083	0.083	Free Surface	5.013	0.094	0.018	0.063	0.131	4.281	4.541	No	0.063	5.013			
00820	670	669	8	161.57	0.158	0.087	0.087	Free Surface	5.299	0.093	0.018	0.062	0.134	4.543	4.823	Yes	0.09	3.086			
00822	673	669	8	96.69	0.05	0.06	0.06	Free Surface	3.181	0.103	0.022	0.069	0.111	2.591	2.716	Yes	0.093	2.038			
00823	672	673	8	159.38	0.055	0.057	0.057	Free Surface	3.22	0.098	0.02	0.065	0.108	2.694	2.843	Yes	0.069	2.947			
00824	671	672	8	66.34	0.057	0.053	0.053	Free Surface	3.196	0.094	0.018	0.062	0.104	2.732	2.897	Yes	0.066	2.968			

00825	727	726	8	235.85	0.043	0.004	0.004	Free Surface	1.292	0.029	0.002	0.019	0.027	1.996	2.502	Yes	0.029	0.697			
00826	780	671	8	165.78	0.055	0.049	0.049	Free Surface	3.087	0.091	0.017	0.061	0.1	2.674	2.846	Yes	0.061	3.052			
00827	726	780	8	199.78	0.014	0.008	0.008	Free Surface	1.092	0.052	0.005	0.035	0.039	1.26	1.447	Yes	0.048	0.668			
00828	1075	1077	8	131.32	0.026	0.005	0.005	Free Surface	1.157	0.036	0.002	0.024	0.031	1.598	1.935	No	0.024	1.157			
00829	1072	1075	8	271.37	0.031	0.002	0.002	Free Surface	0.879	0.021	0.001	0.014	0.018	1.603	2.116	Yes	0.018	0.594			
00830	1077	1745	8	73.98	0.258	0.006	0.006	Free Surface	2.82	0.024	0.001	0.016	0.035	4.773	6.155	Yes	0.667	0.018			
00831	1745	1657	8	218.41	0.01	0.008	0.008	Free Surface	0.966	0.058	0.007	0.039	0.04	1.055	1.193	Yes	0.04	0.91			
00832	1657	1658	8	90.64	0.129	0.038	0.038	Free Surface	3.828	0.066	0.009	0.044	0.087	3.918	4.354	Yes	0.05	3.143			
00833	892	891	12	440.23	0.032	1.019	1.019	Free Surface	5.964	0.27	0.159	0.27	0.424	2.395	6.402	Yes	0.279	5.685			
00834	891	890	12	461.93	0.025	1.023	1.023	Free Surface	5.442	0.289	0.182	0.289	0.425	2.106	5.624	No	0.289	5.442			
00835	890	889	12	478.59	0.032	1.047	1.047	Free Surface	6.01	0.274	0.164	0.274	0.43	2.396	6.402	Yes	1	1.333			
00836	885	877	12	455.49	0.008	1.133	1.133	Pressurized	3.741	0.41	0.352	0.41	0.448	1.188	3.219	Yes	1	1.442			
00837	889	2960	12	273.63	0.005	1.12	1.12	Pressurized	3.034	0.476	0.46	0.476	0.445	0.88	2.434	Yes	1	1.426			
00838	888	887	12	539.01	0.002	1.126	1.126	Pressurized	2.314	0.595	0.663	0.595	0.447	0.579	1.699	Yes	1	1.434			
00839	2961	886	12	308.35	0.002	1.131	1.131	Free Surface	2.182	0.627	0.717	0.627	0.448	0.525	1.576	Yes	0.85	1.588			
00840	886	885	12	96.59	0.011	1.132	1.132	Pressurized	4.191	0.376	0.301	0.376	0.448	1.399	3.762	Yes	1	1.441			
00841	861	860	8	190.18	0.035	0.004	0.004	Free Surface	1.179	0.029	0.002	0.02	0.026	1.809	2.263	Yes	0.023	0.911			
00842	860	857	8	251.76	0.019	0.007	0.007	Free Surface	1.181	0.047	0.004	0.031	0.037	1.434	1.672	No	0.031	1.181			
00843	857	858	8	196.02	0.034	0.011	0.011	Free Surface	1.641	0.049	0.005	0.033	0.046	1.942	2.248	Yes	0.036	1.426			
00844	858	859	8	201.1	0.024	0.014	0.014	Free Surface	1.583	0.061	0.007	0.041	0.053	1.677	1.882	Yes	0.047	1.279			
00845	859	2959	8	104.39	0.012	0.018	0.018	Free Surface	1.327	0.081	0.013	0.054	0.059	1.226	1.326	No	0.054	1.327			
00846	794	793	8	247.59	0.017	0.016	0.016	Free Surface	1.445	0.071	0.01	0.047	0.057	1.424	1.566	Yes	0.059	1.056			
00847	793	792	8	394.92	0.03	0.056	0.056	Free Surface	2.613	0.112	0.027	0.075	0.107	2.038	2.116	No	0.075	2.613			
00848	792	787	8	271.49	0.072	0.06	0.06	Free Surface	3.609	0.095	0.019	0.063	0.111	3.07	3.253	Yes	0.066	3.398			
00849	790	791	8	156.81	0.085	0.001	0.001	Free Surface	1.223	0.016	0	0.011	0.017	2.565	3.537	Yes	0.027	0.31			
00850	791	793	8	133.82	0.118	0.039	0.039	Free Surface	3.747	0.068	0.009	0.046	0.089	3.762	4.159	Yes	0.058	2.648			
00851	787	786	8	260.92	0.074	0.063	0.063	Free Surface	3.688	0.096	0.019	0.064	0.114	3.11	3.288	Yes	0.067	3.479			
00852	904	786	8	159.18	0.04	0.001	0.001	Free Surface	0.942	0.019	0.001	0.013	0.017	1.81	2.428	Yes	0.041	0.162			
00853	786	903	8	130.15	0.072	0.066	0.066	Free Surface	3.71	0.099	0.02	0.066	0.117	3.087	3.254	Yes	0.072	3.259			
00854	903	902	8	148.15	0.03	0.068	0.068	Free Surface	2.753	0.123	0.032	0.082	0.118	2.048	2.104	Yes	0.098	2.122			
00855	902	889	8	382.8	0.007	0.069	0.069	Free Surface	1.7	0.174	0.066	0.116	0.119	1.056	1.049	Yes	0.667	0.198			
00856	788	792	8	236.71	0.051	0.003	0.003	Free Surface	1.269	0.025	0.001	0.016	0.024	2.134	2.746	Yes	0.04	0.337			
00857	789	788	8	166.36	0.087	0.001	0.001	Free Surface	1.234	0.016	0	0.011	0.017	2.594	3.581	Yes	0.014	0.834			
00858	905	787	8	201.17	0.039	0.001	0.001	Free Surface	0.932	0.019	0.001	0.013	0.017	1.782	2.388	Yes	0.041	0.165			
00859	795	794	8	262.72	0.06	0.014	0.014	Free Surface	2.188	0.05	0.005	0.034	0.054	2.565	2.962	Yes	0.04	1.658			
00860	796	795	8	64.86	0.034	0.013	0.013	Free Surface	1.746	0.055	0.006	0.036	0.051	1.966	2.243	Yes	0.037	1.733			
00861	797	796	8	128.99	0.071	0.012	0.012	Free Surface	2.167	0.044	0.004	0.029	0.048	2.732	3.222	Yes	0.034	1.741			
00862	800	797	8	268.13	0.06	0.01	0.01	Free Surface	1.969	0.042	0.003	0.028	0.045	2.515	2.977	Yes	0.03	1.773			
00863	803	802	8	152.31	0.016	0.001	0.001	Free Surface	0.679	0.023	0.001	0.016	0.017	1.169	1.515	Yes	0.021	0.442			
00864	802	801	8	138.59	0.008	0.003	0.003	Free Surface	0.676	0.038	0.003	0.025	0.024	0.919	1.108	Yes	0.026	0.646			
00865	798	800	8	287.45	0.027	0.003	0.003	Free Surface	1.01	0.029	0.001	0.019	0.024	1.573	1.976	Yes	0.022	0.797			
00866	799	798	8	160.36	0.015	0.001	0.001	Free Surface	0.665	0.024	0.001	0.016	0.017	1.135	1.467	Yes	0.018	0.534			
00867	801	2871	8	168.68	0.015	0.004	0.004	Free Surface	0.928	0.04	0.003	0.027	0.029	1.225	1.463	No	0.027	0.928			
00868	881	882	8	124.02	0.016	0.001	0.001	Free Surface	0.559	0.017	0	0.011	0.012	1.133	1.546	Yes	0.011	0.548			
00869	878	879	8	370.91	0.01	0.001	0.001	Free Surface	0.465	0.019	0.001	0.013	0.012	0.885	1.184	Yes	0.015	0.35			
00871	883	886	8	181.7	0.075	0.001	0.001	Free Surface	0.951	0.012	0	0.008	0.012	2.302	3.324	Yes	0.541	0.002			
00872	945	944	8	90.84	0.032	0.006	0.006	Free Surface	1.341	0.038	0.003	0.025	0.034	1.809	2.177	Yes	0.032	0.934			
00873	1103	944	8	358.83	0.02	0.009	0.009	Free Surface	1.274	0.052	0.005	0.034	0.042	1.473	1.694	Yes	0.037	1.152			
00874	1093	1094	8	263.51	0.028	0.001	0.001	Free Surface	0.672	0.015	0	0.01	0.012	1.448	2.015	Yes	0.012	0.506			
00875	1094	1095	8	57.92	0.019	0.001	0.001	Free Surface	0.728	0.023	0.001	0.015	0.017	1.277	1.665	Yes	0.019	0.514			
00876	1095	1096	8	328.75	0.014	0.002	0.002	Free Surface	0.743	0.029	0.002	0.02	0.021	1.143	1.432	No	0.02	0.743			
00877	1099	1100	8	155.58	0.037	0.001	0.001	Free Surface	0.743	0.014	0	0.009	0.012	1.655	2.328	Yes	0.013	0.476			
00878	1098	1097	8	157.63	0.011	0.001	0.001	Free Surface	0.481	0.019	0.001	0.013	0.012	0.926	1.243	Yes	0.017	0.311			
00879	1096	1097	8	170.97	0.03	0.003	0.003	Free Surface	1.053	0.028	0.001	0.019	0.024	1.656	2.086	Yes	0.02	0.966			
00880	1091	1090	8	161.53	0.037	0.001	0.001	Free Surface	0.917	0.019	0.001	0.013	0.017	1.738	2.322	Yes	0.015	0.764			
00881	1086	945	8	166.33	0.024	0.005	0.005	Free Surface	1.169	0.038	0.003	0.025	0.032	1.576	1.895	Yes	0.026	1.144			
00882	1087	1086	8	114.63	0.023	0.004	0.004	Free Surface	1.092	0.036	0.002	0.024	0.03	1.515	1.838	No	0.024	1.092			
00883	1092	1091	8	305.8	0.03	0.001	0.001	Free Surface	0.694	0.015	0	0.01	0.012	1.511	2.109	Yes	0.011	0.595			
00884	1090	1089	8	277.05	0.038	0.002	0.002	Free Surface	1.049	0.023	0.001	0.015	0.021	1.815	2.357	Yes	0.019	0.784			
00885	1097	1127	8	212.29	0.039	0.004	0.004	Free Surface	1.307	0.032	0.002	0.021	0.03	1.928	2.382	Yes	0.024	1.126			
00886	877	884	8	166.86	0.06	1.134	1.134	Free Surface	7.911	0.429	0.383	0.286	0.505	2.992	2.957	No	0.286	7.911			
00887	1128	2962	8	317.46	0.018	0.017	0.017	Free Surface	1.516	0.071	0.01	0.048	0.058	1.488	1.635	Yes	0.075	0.772			
00888	944	1128	8	270.36	0.042	0.015	0.015	Free Surface	1.975	0.056	0.006	0.037	0.056	2.19	2.489	Yes	0.043	1.634			
00889	946	1128	8	336.44	0.001	0.001	0.001	Free Surface	0.223	0.032	0.002	0.021	0.012	0.33	0.407	Yes	0.034	0.109			
00890	950	951	8	142.48	0.044	0.002	0.002	Free Surface	1.108	0.022	0.001	0.015	0.021	1.952	2.549	No	0.015	1.108			
00891	949	950	8	266.99	0.026	0.001	0.001	Free Surface	0.814	0.021	0.001	0.014	0.017	1.483	1.956	No	0.014	0.814			
00892	948	949	8	267.6	0.04	0.001	0.001	Free Surface	0.763	0.014	0	0.009	0.012	1.715	2.418	Yes	0.012	0.485			
00893	1125	952	8	324.15	0.07	0.004	0.004	Free Surface	1.519	0.026	0.001	0.017	0.027	2.507	3.206	Yes	0.024	0.885			
00894	951	1125	8	174.07	0.098	0.003	0.003	Free Surface	1.592	0.021	0.001	0.014	0.024	2.876	3.784	Yes	0.017	1.232			
00895	866	706	8	404.61	0.011	0.116	0.116	Free Surface	2.258	0.204	0.091	0.136	0.155	1.29	1.266	No	0.136	2.258			
00896	865	866	8	255.25	0.006	0.113	0.113	Free Surface	1.821	0.233	0.119	0.155	0.153	0.969	0.944	No	0.155	1.821			
00897	874	865	8	192.49	0.001	0.053	0.053	Free Surface	0.707	0.268	0.158	0.179	0.104	0.349	0.338	No	0.179	0.707			
00898	875	874	8	186.55	0.004	0.012	0.012	Free Surface	0.787	0.088	0.016	0.059	0.049	0.694	0.742	Yes	0.119	0.281			
00899	876	3008	8	521.53	0.026	0.006	0.006	Free Surface	1.251	0.04	0.003	0.027	0.034	1.64	1.956	Yes	0.037	0.771			
00900	1126	876	8	399.81	0.009	0.003	0.003	Free Surface	0.707	0.037	0.003	0.025	0.024	0.967	1.168	Yes	0.028	0.596			
00902	855	856	8	494.47	0.019	0.003	0.003	Free Surface	0.903	0.032	0.002	0.021	0.024	1.34	1.66	Yes	0.022	0.847			
00903	1131	851	8	455.88	0.02	0.006	0.006	Free Surface	1.148	0.043	0.003	0.028	0.034	1.462	1.729	Yes	0.035	0.835			
00904	1132	1131	8	315.51	0.02	0.003	0.003	Free Surface	0.923	0.031	0.002	0.021	0.024	1.38	1.712	Yes	0.024	0.721			
00905	851	850	8	371.24	0.007	0.009	0.009	Free Surface	0.885	0.067	0.009	0.045	0.042	0.898	0.995	No	0.045	0.885			
00906	850	853	8	332.83	0.041	0.012	0.012	Free Surface	1.802	0.05	0.005	0.034	0.049	2.114	2.44	Yes	0.055	0.864			
00907	816	817	8	138.57	0.009	0.004	0.004	Free Surface	0.743	0.042	0.003	0.028	0.027	0.952	1.127	Yes	0.03	0.665			
00908	817	818	8	400.11	0.017	0.008	0.008	Free Surface	1.163	0.05	0.005	0.033	0.039	1.37	1.584	Yes	0.038	0.943			
00909	818	812	8	398.26	0.02	0.011	0.011	Free Surface	1.385	0.058	0.007	0.039	0.048	1.509	1.706	Yes	0.041	1.273			
00910	812	811	8	176.47	0.047	0.026	0.026	Free Surface	2.415	0.071	0.01	0.047	0.073	2.38	2.619	Yes	0.053	2.028			
00911	811.00	707	8	136.31	0.042	0.034	0.034	Free Surface	2.507	0.082	0.014	0.055	0.083	2.295	2.477	No	0.055	2.507			
00912	707	780	8	432.57	0.056	0.038	0.038	Free Surface	2.873	0.08	0.013	0.053	0.088	2.659	2.878	Yes	0.058	2.567			
00913	815	814	8	240.31	0.018	0.004	0.004	Free Surface	0.959	0.036	0.002	0.024	0.027	1.339	1.628	Yes	0.031	0.657			
00914	814	813	8	266.07	0.009	0.008	0.008	Free Surface	0.922	0.058	0.007	0.039	0.039	1.003	1.134	No	0.039	0.922			
00915	813	812	8	254.89	0.022	0.011	0.011	Free Surface	1.441	0.057	0.006	0.038	0.048	1.592	1.806	Yes	0.041	1.297			
00916	947	952	8	303.77	0.035	0.007	0.007	Free Surface	1.423	0.04	0.003	0.026	0.036	1.885	2.255	Yes	0.029	1.226			
00917	633	1118	8	400.7	0.048	0.487	0.487	Free Surface	5.774	0.291	0.184	0.194	0.327	2.726	2.641	Yes	0.202	5.443			
00918	662	1134	12	274.82	0.039	1.169	1.169	Free Surface	6.663	0.275	0.165	0.275	0.456	2.649	7.078	No	0.275	6.663			
00919	1134	1613	12	293.06	0.046	1.171	1.171	Free Surface	7.041	0.265	0.153	0.265	0.456	2.858	7.641	Yes	0.27	6.846			
00920	1127	1101	8	92.84	0.016	0.005	0.005	Free Surface	1	0.042	0.003	0.028	0.032	1.278	1.513	No	0.028	1			
00921	1101	1102	8	176.45	0.044	0.007	0.007	Free Surface	1.598	0.039	0.003	0.026	0.038	2.122	2.541	Yes	0.029	1.367			
00922	1100	1101	8	223.14	0.035	0.001	0.001	Free Surface	0.904	0.02	0.001	0.013	0.017	1.705	2.274	Yes	0.018	0.542			
00923	1,102.00	1103	8	137.1	0.035	0.008	0.008	Free Surface	1.518	0.043	0.004	0.029	0.04	1.919	2.264	Yes	0.03	1.43			
00924	1089	1088	8	44.24	0.025	0.003	0.003	Free Surface	0.994	0.029	0.002	0.019	0.024	1.533	1.92	Yes	0.021	0.903			
00925	1088	1087	8	70.22	0.027	0.004	0.004	Free Surface	1.089	0.032	0.002	0.021	0.027	1.607	1.985	No	0.021	1.089			
00926	1706	888	8	202.5	0.072	0.004	0.004	Free Surface	1.537	0.025	0.001	0.017	0.027	2.547	3.262	Yes	0.667	0.01			
00927	2957	1706	8	179.34	0.034	0.003	0.003	Free Surface	1.105	0.027	0.001	0.018	0.024	1.766	2.237	Yes	0.019	1.068			
00928	906.00	892	12	347.49	0.002	0.703	0.703	Free Surface	1.92	0.473	0.455	0.473	0.35	0.559	1.545	Yes	1	0.894			

00929	907	906	12	378.66	0.004	0.699	0.699	Free Surface	2.603	0.374	0.298	0.374	0.349	0.871	2.343	Yes	0.564	1.532			
00930	923	907	12	268.75	0.006	0.608	0.608	Free Surface	2.819	0.319	0.22	0.319	0.324	1.033	2.76	Yes	0.349	2.494			
00931	922	923	12	399.7	0.044	0.604	0.604	Free Surface	5.738	0.192	0.08	0.192	0.323	2.765	7.511	Yes	0.256	3.803			
00932	935	922	12	389.44	0.033	0.601	0.601	Free Surface	5.171	0.205	0.092	0.205	0.322	2.403	6.498	No	0.205	5.171			
00933	936	935	12	241.45	0.015	0.597	0.597	Free Surface	3.926	0.248	0.135	0.248	0.321	1.649	4.418	No	0.248	3.926			
00934	937	936	12	399.74	0.012	0.594	0.594	Free Surface	3.562	0.265	0.154	0.265	0.32	1.444	3.862	No	0.265	3.562			
00935	360	937	12	123.6	0.007	0.59	0.59	Free Surface	2.916	0.305	0.202	0.305	0.319	1.096	2.926	No	0.305	2.916			
00936	361	360	12	276.14	0.003	0.573	0.573	Free Surface	2.163	0.371	0.293	0.371	0.314	0.728	1.956	No	0.371	2.163			
00937	941	361	12	402.26	0.003	0.569	0.569	Free Surface	2.16	0.369	0.291	0.369	0.313	0.728	1.957	Yes	0.37	2.155			
00938	942	941	12	133.82	0.007	0.566	0.566	Free Surface	2.858	0.3	0.196	0.3	0.312	1.084	2.894	Yes	0.334	2.465			
00939	943	942	12	112.63	0.008	0.562	0.562	Free Surface	3.034	0.286	0.178	0.286	0.311	1.181	3.154	Yes	0.292	2.95			
00940	728	943	12	241.57	0.008	0.55	0.55	Free Surface	3.072	0.279	0.17	0.279	0.308	1.212	3.238	Yes	0.284	2.987			
00941	821	943	8	92.26	0.036	0.009	0.009	Free Surface	1.598	0.046	0.004	0.031	0.043	1.962	2.296	Yes	0.16	0.142			
00942	924	934	8	136.31	0.015	0.004	0.004	Free Surface	0.875	0.036	0.002	0.024	0.026	1.214	1.473	Yes	0.047	0.323			
00943	933	934	8	227.66	0.039	0.032	0.032	Free Surface	2.383	0.081	0.013	0.054	0.08	2.199	2.377	Yes	0.062	1.939			
00944	925	933	8	190.25	0.013	0.004	0.004	Free Surface	0.844	0.037	0.003	0.025	0.026	1.157	1.398	Yes	0.041	0.389			
00945	932.00	933	8	292.09	0.026	0.025	0.025	Free Surface	1.927	0.079	0.013	0.052	0.071	1.803	1.956	Yes	0.055	1.777			
00946	926	932	8	188.03	0.007	0.004	0.004	Free Surface	0.684	0.043	0.003	0.028	0.026	0.873	1.033	Yes	0.039	0.433			
00947	931	932	8	271.02	0.021	0.018	0.018	Free Surface	1.622	0.07	0.01	0.047	0.059	1.606	1.769	Yes	0.048	1.575			
00948	930	931	8	273.81	0.018	0.011	0.011	Free Surface	1.317	0.057	0.006	0.038	0.046	1.446	1.639	Yes	0.041	1.166			
00949	927	931	8	185.12	0.026	0.004	0.004	Free Surface	1.071	0.031	0.002	0.021	0.026	1.591	1.971	Yes	0.033	0.549			
00950	928	930	8	150	0.016	0.004	0.004	Free Surface	0.893	0.036	0.002	0.024	0.026	1.247	1.516	Yes	0.03	0.619			
00951	929	930	8	379.98	0.022	0.004	0.004	Free Surface	1.005	0.033	0.002	0.022	0.026	1.462	1.799	Yes	0.029	0.648			
00952	919	918	8	168.35	0.006	0.004	0.004	Free Surface	0.648	0.044	0.004	0.029	0.026	0.812	0.956	No	0.029	0.648			
00953	918	917	8	226.68	0.019	0.007	0.007	Free Surface	1.172	0.047	0.004	0.031	0.037	1.42	1.655	Yes	0.037	0.915			
00954	920	917	8	160.92	0.006	0.004	0.004	Free Surface	0.629	0.045	0.004	0.03	0.026	0.78	0.916	Yes	0.036	0.471			
00955	917	916	8	159.58	0.019	0.014	0.014	Free Surface	1.445	0.065	0.008	0.044	0.053	1.484	1.651	Yes	0.045	1.391			
00956	916	914	8	250.55	0.033	0.018	0.018	Free Surface	1.885	0.063	0.008	0.042	0.059	1.964	2.194	Yes	0.049	1.539			
00957	921	913	8	118.18	0.007	0.004	0.004	Free Surface	0.687	0.042	0.003	0.028	0.026	0.878	1.039	Yes	0.04	0.404			
00958	914	913	8	99.9	0.029	0.025	0.025	Free Surface	2.01	0.076	0.012	0.051	0.071	1.908	2.078	Yes	0.052	1.962			
00959	915	914	8	272.64	0.004	0.004	0.004	Free Surface	0.565	0.048	0.004	0.032	0.026	0.676	0.785	Yes	0.044	0.362			
00960	913	910	8	94.8	0.04	0.032	0.032	Free Surface	2.421	0.08	0.013	0.053	0.08	2.246	2.432	Yes	0.081	1.306			
00961	912	911	8	360.34	0.006	0.004	0.004	Free Surface	0.656	0.044	0.004	0.029	0.026	0.826	0.973	Yes	0.039	0.424			
00962	911	910	8	149.76	0.004	0.007	0.007	Free Surface	0.679	0.068	0.009	0.045	0.037	0.682	0.755	Yes	0.077	0.312			
00963	908	909	8	144.14	0.005	0.004	0.004	Free Surface	0.606	0.046	0.004	0.031	0.026	0.743	0.869	Yes	0.036	0.473			
00964	909	910	8	131.66	0.006	0.007	0.007	Free Surface	0.804	0.061	0.007	0.041	0.037	0.857	0.963	Yes	0.075	0.327			
00965	910	907	8	255.43	0.005	0.049	0.049	Free Surface	1.345	0.161	0.056	0.108	0.1	0.869	0.869	Yes	0.243	0.427			
00966	893	892	8	62.94	0.008	0.313	0.313	Free Surface	2.64	0.373	0.296	0.248	0.259	1.085	1.058	Yes	0.259	2.495			
00967	894	893	8	191.6	0.005	0.31	0.31	Free Surface	2.241	0.418	0.365	0.279	0.258	0.861	0.849	No	0.279	2.241			
00968	895	894	8	342.87	0.016	0.307	0.307	Free Surface	3.427	0.303	0.2	0.202	0.256	1.581	1.532	Yes	0.242	2.676			
00969	896	895	8	273.45	0.039	0.196	0.196	Free Surface	4.146	0.193	0.081	0.129	0.203	2.439	2.404	Yes	0.167	2.854			
00970	1007	895	8	77.31	0.053	0.108	0.108	Free Surface	3.843	0.134	0.039	0.09	0.149	2.729	2.778	Yes	0.148	1.871			
00971	1008	1007	8	326.24	0.029	0.104	0.104	Free Surface	3.082	0.153	0.051	0.102	0.147	2.045	2.055	No	0.102	3.082			
00972	1006	1008	8	258.62	0.04	0.003	0.003	Free Surface	1.212	0.028	0.001	0.018	0.026	1.924	2.432	Yes	0.062	0.201			
00973	1004	1005	8	270.31	0.031	0.003	0.003	Free Surface	1.108	0.029	0.002	0.02	0.026	1.706	2.136	Yes	0.057	0.225			
00974	1005	1008	8	316.73	0.033	0.098	0.098	Free Surface	3.175	0.144	0.044	0.096	0.142	2.18	2.203	Yes	0.1	2.963			
00975	1009	1005	8	284.99	0.032	0.091	0.091	Free Surface	3.081	0.14	0.042	0.093	0.137	2.144	2.173	Yes	0.094	3.04			
00976	1003	1009	8	277.71	0.029	0.003	0.003	Free Surface	1.083	0.03	0.002	0.02	0.026	1.656	2.068	Yes	0.057	0.225			
00977	1010	1009	8	195.17	0.024	0.085	0.085	Free Surface	2.73	0.144	0.045	0.096	0.132	1.869	1.888	No	0.096	2.73			
00978	1011	1010	8	103.97	0.081	0.072	0.072	Free Surface	3.962	0.1	0.021	0.067	0.122	3.28	3.452	Yes	0.082	2.9			
00979	1012	1010	8	97.69	0.023	0.01	0.01	Free Surface	1.394	0.053	0.005	0.035	0.044	1.6	1.835	Yes	0.067	0.54			
00980	1013	1012	8	363.22	0.005	0.007	0.007	Free Surface	0.747	0.061	0.007	0.041	0.036	0.795	0.894	No	0.041	0.747			
00981	731.00	955	8	399.53	0.004	0.103	0.103	Free Surface	1.499	0.251	0.138	0.167	0.146	0.767	0.745	No	0.167	1.499			
00982	1031	1029	8	104.46	0.009	0.003	0.003	Free Surface	0.717	0.039	0.003	0.026	0.026	0.953	1.141	Yes	0.029	0.606			
00983	1029	1030	8	130.22	0.009	0.007	0.007	Free Surface	0.889	0.054	0.006	0.036	0.036	1.005	1.148	No	0.036	0.889			
00984	1,030.00	1025	8	225.32	0.11	0.01	0.01	Free Surface	2.402	0.036	0.002	0.024	0.044	3.315	4.015	Yes	0.029	1.84			
00985	1035	1036	8	187.97	0.031	0.003	0.003	Free Surface	1.107	0.029	0.002	0.02	0.026	1.705	2.135	Yes	0.02	1.089			
00986	1034	1032	8	204.29	0.009	0.003	0.003	Free Surface	0.721	0.039	0.003	0.026	0.026	0.96	1.151	Yes	0.034	0.492			
00987	1032	1033	8	145.84	0.008	0.007	0.007	Free Surface	0.839	0.056	0.006	0.038	0.036	0.93	1.056	Yes	0.042	0.713			
00988	1,033.00	1040	8	209.23	0.006	0.01	0.01	Free Surface	0.871	0.072	0.01	0.048	0.044	0.851	0.934	Yes	0.053	0.761			
00989	901	900	8	244.82	0.078	0.078	0.078	Free Surface	4.005	0.105	0.023	0.07	0.127	3.229	3.377	Yes	0.079	3.37			
00990	900	899	8	268.88	0.038	0.082	0.082	Free Surface	3.155	0.127	0.035	0.085	0.13	2.306	2.36	Yes	0.09	2.905			
00991	899	898	8	322.31	0.045	0.108	0.108	Free Surface	3.625	0.14	0.042	0.093	0.149	2.522	2.556	Yes	0.105	3.051			
00992	898	897	8	150.44	0.022	0.13	0.13	Free Surface	2.989	0.183	0.073	0.122	0.165	1.81	1.791	No	0.122	2.989			
00993	897	896	8	335.71	0.039	0.134	0.134	Free Surface	3.697	0.16	0.056	0.107	0.167	2.396	2.397	Yes	0.118	3.215			
00994	751	1108	8	136.54	0.008	0.052	0.052	Free Surface	1.598	0.149	0.048	0.1	0.103	1.075	1.083	Yes	0.108	1.415			
00995	1108	896	8	138.74	0.005	0.059	0.059	Free Surface	1.423	0.176	0.067	0.117	0.11	0.879	0.873	Yes	0.123	1.328			
00996	750	1108	8	206.23	0.04	0.003	0.003	Free Surface	1.208	0.028	0.001	0.018	0.026	1.916	2.42	Yes	0.068	0.175			
00997	752	751	8	288.69	0.061	0.049	0.049	Free Surface	3.188	0.089	0.016	0.059	0.1	2.795	2.984	Yes	0.082	1.999			
00998	761	752	8	198.59	0.064	0.026	0.026	Free Surface	2.681	0.065	0.009	0.044	0.073	2.75	3.058	Yes	0.054	1.983			
00999	753	752	8	295.66	0.03	0.02	0.02	Free Surface	1.891	0.068	0.009	0.046	0.063	1.899	2.1	Yes	0.054	1.45			
01000	777	761	8	192.92	0.044	0.023	0.023	Free Surface	2.27	0.067	0.009	0.045	0.068	2.302	2.553	No	0.045	2.27			
01001	776	777	8	290.11	0.069	0.02	0.02	Free Surface	2.522	0.056	0.006	0.037	0.063	2.795	3.176	Yes	0.04	2.33			
01002	754	753	8	101.45	0.03	0.016	0.016	Free Surface	1.787	0.063	0.008	0.042	0.057	1.874	2.097	Yes	0.043	1.728			
01003	755	754	8	401.2	0.049	0.013	0.013	Free Surface	1.987	0.05	0.005	0.033	0.051	2.332	2.693	Yes	0.035	1.826			
01004	756	755	8	158.32	0.057	0.01	0.01	Free Surface	1.913	0.042	0.003	0.028	0.044	2.443	2.892	Yes	0.031	1.659			
01005	759	760	8	139.34	0.033	0.003	0.003	Free Surface	1.131	0.029	0.001	0.019	0.026	1.754	2.201	Yes	0.019	1.11			
01006	758	757	8	137.67	0.059	0.003	0.003	Free Surface	1.384	0.025	0.001	0.017	0.026	2.298	2.944	Yes	0.019	1.146			
01007	757	756	8	159	0.086	0.007	0.007	Free Surface	1.952	0.032	0.002	0.021	0.036	2.881	3.56	Yes	0.023	1.722			
01008	775	776	8	202.48	0.067	0.016	0.016	Free Surface	2.367	0.052	0.005	0.035	0.057	2.732	3.14	Yes	0.037	2.103			
01009	760	775	8	99.04	0.071	0.007	0.007	Free Surface	1.825	0.033	0.002	0.022	0.036	2.632	3.231	Yes	0.03	1.173			
01010	762	763	8	399.41	0.109	0.003	0.003	Free Surface	1.712	0.022	0.001	0.015	0.026	3.052	3.999	Yes	0.021	0.981			
01011	763	775	8	116.59	0.042	0.007	0.007	Free Surface	1.517	0.038	0.003	0.025	0.036	2.056	2.477	Yes	0.031	1.092			
01012	781	782	8	230.57	0.105	0.001	0.001	Free Surface	1.316	0.015	0	0.01	0.017	2.827	3.93	Yes	0.011	1.108			
01013	782	783	8	128	0.092	0.003	0.003	Free Surface	1.553	0.021	0.001	0.014	0.024	2.795	3.672	Yes	0.018	1.131			
01014	784	785	8	231.92	0.049	0.007	0.007	Free Surface	1.656	0.038	0.003	0.025	0.038	2.235	2.689	Yes	0.032	1.18			
01015	783	784	8	154.28	0.064	0.006	0.006	Free Surface	1.695	0.032	0.002	0.021	0.034	2.487	3.068	Yes	0.025	1.371			
01017	1667	783	8	174.06	0.035	0.001	0.001	Free Surface	0.896	0.02	0.001	0.013	0.017	1.693	2.259	Yes	0.017	0.598			
01018	745	744	8	106.67	0.05	0.003	0.003	Free Surface	1.308	0.026	0.001	0.017	0.026	2.13	2.713	Yes	0.021	1.023			
01019	744	743	8	109.23	0.048	0.007	0.007	Free Surface	1.596	0.036	0.002	0.024	0.036	2.201	2.665	Yes	0.03	1.174			
01020	743.00	748	8	181.79	0.039	0.01	0.01	Free Surface	1.677	0.046	0.004	0.031	0.044	2.049	2.394	Yes	0.032	1.63			
01021	774	736	8	397.16	0.058	0.003	0.003	Free Surface	1.371	0.025	0.001	0.017	0.026	2.27	2.906	Yes	0.02	1.081			
01022	736	733	8	161.99	0.073	0.01	0.01	Free Surface	2.088	0.04	0.003	0.027	0.044	2.748	3.282	Yes	0.041	1.113			
01023	733	1043	8	207.51	0.017	0.02	0.02	Free Surface	1.566	0.078	0.012	0.052	0.063	1.474	1.602	Yes	0.062	1.205			
01024	1043	1042	8	354.11	0.005	0.023	0.023	Free Surface	1.084	0.111	0.026	0.074	0.068	0.851	0.885	Yes	0.081	0.949			
01025	1042	1041	8	317.7	0.003	0.026	0.026	Free Surface	0.938	0.134	0.038	0.089	0.073	0.668	0.68	Yes	0.101	0.785			
01026	1041	1040	8	178.37	0.002	0.029	0.029	Free Surface	0.773	0.166	0.06	0.111	0.077	0.493	0.491	No	0.111	0.773			
01027	735	734	8	206.85	0.009	0.003	0.003	Free Surface	0.732	0.039	0.003	0.026	0.026	0.98	1.176	Yes	0.028	0.651			
01028	734	733	8	397.92	0.016	0.007	0.007	Free Surface	1.08	0.047	0.004	0.032	0.036	1.305	1.519	Yes	0.043	0.68			
01029	773	736	8	392.91	0.034	0.003	0.003	Free Surface	1.147	0.029	0.001	0.019	0.026	1.788	2.247	Yes	0.021	0.999			
01030	957	958	8	296.25	0.011	0.003	0.003	Free Surface	0.756	0.035	0.002	0.024	0.024	1.06	1.29	Yes	0.093	0.099			
01031	960	959	8	256.64	0.045	0.003	0.003	Free Surface	1.225	0.026	0.001	0.017	0.024	2.02	2.584	Yes	0.09	0.104			

01032	961	962	8	228.37	0.054	0.003	0.003	Free Surface	1.301	0.025	0.001	0.016	0.024	2.19	2.818	Yes	0.096	0.095			
01033	958	959	8	274.4	0.014	0.191	0.191	Free Surface	2.877	0.245	0.132	0.164	0.201	1.489	1.448	No	0.164	2.877			
01034	959	962	8	271.41	0.016	0.197	0.197	Free Surface	2.996	0.244	0.13	0.162	0.204	1.557	1.515	Yes	0.169	2.831			
01035	962	968	8	243.74	0.013	0.203	0.203	Free Surface	2.847	0.258	0.146	0.172	0.207	1.435	1.393	No	0.172	2.847			
01036	956.00	958	8	178.01	0.015	0.185	0.185	Free Surface	2.888	0.239	0.126	0.16	0.198	1.515	1.475	Yes	0.161	2.85			
01037	967.00	968	8	170.37	0.028	0.032	0.032	Free Surface	2.149	0.088	0.016	0.059	0.081	1.896	2.028	Yes	0.099	0.995			
01038	963	967	8	146.48	0.006	0.029	0.029	Free Surface	1.194	0.123	0.032	0.082	0.077	0.887	0.912	No	0.082	1.194			
01039	1,055.00	1054	8	196.85	0.01	0.004	0.004	Free Surface	0.818	0.043	0.004	0.029	0.029	1.035	1.222	Yes	0.033	0.68			
01040	1681	1680	8	205.66	0.007	0.002	0.002	Free Surface	0.575	0.034	0.002	0.023	0.021	0.818	1	Yes	0.027	0.449			
01041	1680	1679	8	91.62	0.007	0.004	0.004	Free Surface	0.725	0.047	0.004	0.031	0.029	0.882	1.028	Yes	0.034	0.632			
01042	1054	1053	8	132.79	0.011	0.006	0.006	Free Surface	0.962	0.051	0.005	0.034	0.036	1.121	1.292	Yes	0.037	0.861			
01043	1053	1052	8	119.75	0.012	0.009	0.009	Free Surface	1.067	0.058	0.006	0.038	0.042	1.168	1.323	Yes	0.04	1.003			
01044	1052	1051	8	95.19	0.011	0.011	0.011	Free Surface	1.098	0.066	0.009	0.044	0.046	1.124	1.25	Yes	0.046	1.01			
01045	1051	1050	8	276.51	0.013	0.013	0.013	Free Surface	1.238	0.069	0.009	0.046	0.051	1.241	1.371	Yes	0.052	1.032			
01046	1,050.00	1049	8	98.69	0.008	0.015	0.015	Free Surface	1.11	0.082	0.014	0.055	0.055	1.017	1.097	Yes	0.092	0.52			
01047	729	1049	8	306.82	0.024	0.131	0.131	Free Surface	3.091	0.179	0.07	0.119	0.165	1.892	1.875	Yes	0.124	2.925			
01048	1,049.00	970	8	231.33	0.022	0.148	0.148	Free Surface	3.106	0.194	0.083	0.13	0.176	1.82	1.793	Yes	0.137	2.873			
01049	979	971	8	325.84	0.028	0.004	0.004	Free Surface	1.16	0.034	0.002	0.023	0.029	1.654	2.023	Yes	0.115	0.106			
01050	978	979	8	404.26	0.023	0.002	0.002	Free Surface	0.881	0.026	0.001	0.017	0.021	1.447	1.848	Yes	0.02	0.705			
01051	977	976	8	335.01	0.011	0.002	0.002	Free Surface	0.682	0.031	0.002	0.02	0.021	1.027	1.277	Yes	0.072	0.105			
01052	972	980	8	403.65	0.005	0.073	0.073	Free Surface	1.52	0.195	0.083	0.13	0.123	0.888	0.875	No	0.13	1.52			
01053	1882	954	8	139.06	0.001	0.044	0.044	Free Surface	0.724	0.231	0.117	0.154	0.095	0.387	0.378	No	0.154	0.724			
01054	1135	360	8	144.52	0.03	0.014	0.014	Free Surface	1.712	0.058	0.007	0.039	0.053	1.863	2.106	Yes	0.172	0.197			
01055	1136	601	8	206.07	0.044	0.002	0.002	Free Surface	0.999	0.019	0.001	0.013	0.018	1.901	2.543	Yes	0.032	0.261			
01056	600	599	8	205.75	0.012	0.02	0.02	Free Surface	1.394	0.086	0.015	0.058	0.064	1.243	1.332	No	0.058	1.394			
01057	725	599	8	259	0.021	0.002	0.002	Free Surface	0.771	0.023	0.001	0.015	0.018	1.346	1.752	Yes	0.027	0.329			
01058	557	1137	8	150.6	0.053	0.031	0.031	Free Surface	2.647	0.074	0.011	0.05	0.079	2.547	2.784	Yes	0.058	2.124			
01059	1138	354	8	135.84	0.045	0.037	0.037	Free Surface	2.647	0.084	0.014	0.056	0.087	2.391	2.571	Yes	0.097	1.189			
01060	976	975	8	175.2	0.005	0.064	0.064	Free Surface	1.469	0.183	0.073	0.122	0.115	0.887	0.878	No	0.122	1.469			
01061	1172	1171	8	12.68	0.011	0.004	0.004	Free Surface	0.8	0.038	0.003	0.026	0.027	1.075	1.292	Yes	0.086	0.133			
01062	1606	1281	8	66.78	0.015	0.072	0.072	Free Surface	2.191	0.15	0.048	0.1	0.121	1.472	1.482	No	0.1	2.191			
01063	1176	1606	8	128.33	0.006	0.07	0.07	Free Surface	1.587	0.185	0.075	0.123	0.12	0.955	0.944	No	0.123	1.587			
01064	1180	1176	8	249.81	0.008	0.018	0.018	Free Surface	1.175	0.09	0.017	0.06	0.061	1.028	1.097	Yes	0.091	0.638			
01065	1179	1180	8	242.57	0.021	0.012	0.012	Free Surface	1.421	0.059	0.007	0.039	0.049	1.539	1.737	Yes	0.047	1.087			
01066	1280	1180	8	319.1	0.011	0.005	0.005	Free Surface	0.884	0.046	0.004	0.031	0.032	1.079	1.261	Yes	0.043	0.545			
01067	1282	1176	8	399.17	0.005	0.051	0.051	Free Surface	1.312	0.169	0.062	0.113	0.102	0.828	0.824	Yes	0.117	1.24			
01068	1279	1280	8	318.01	0	0.004	0.004	Pressurized	0.275	0.086	0.015	0.057	0.028	0.245	0.263	Yes	0.667	0.011			
01069	1283	1282	8	402.1	0.006	0.05	0.05	Free Surface	1.405	0.158	0.054	0.106	0.101	0.917	0.918	Yes	0.108	1.362			
01070	1284	1283	8	157.79	0.012	0.049	0.049	Free Surface	1.794	0.132	0.037	0.088	0.1	1.288	1.313	Yes	0.099	1.514			
01071	1285	1284	8	132.78	0.006	0.046	0.046	Free Surface	1.434	0.149	0.048	0.099	0.097	0.967	0.975	No	0.099	1.434			
01072	1286	1285	8	116.73	0.006	0.045	0.045	Free Surface	1.379	0.15	0.049	0.1	0.096	0.925	0.932	No	0.1	1.379			
01073	1,287.00	1286	8	246.14	0.016	0.011	0.011	Free Surface	1.275	0.061	0.007	0.041	0.047	1.355	1.521	Yes	0.07	0.57			
01074	1,288.00	1284	8	211.82	0.007	0.001	0.001	Free Surface	0.493	0.025	0.001	0.017	0.015	0.815	1.043	Yes	0.052	0.093			
01075	1294	1286	8	257.85	0.006	0.033	0.033	Free Surface	1.233	0.13	0.036	0.087	0.082	0.891	0.91	Yes	0.095	1.079			
01076	1295	2886	8	20.65	0.119	0.029	0.029	Free Surface	3.455	0.06	0.007	0.04	0.077	3.713	4.182	Yes	0.046	2.81			
01077	1293	1287	8	184.91	0.059	0.01	0.01	Free Surface	1.948	0.043	0.003	0.028	0.045	2.482	2.936	Yes	0.035	1.456			
01078	1292	1293	8	159.19	0.09	0.007	0.007	Free Surface	2.025	0.033	0.002	0.022	0.038	2.948	3.629	Yes	0.025	1.657			
01079	1297	1298	8	57.17	0.048	0.025	0.025	Free Surface	2.383	0.068	0.009	0.045	0.071	2.394	2.648	Yes	0.052	1.963			
01080	1296	1297	8	74.93	0.002	0.023	0.023	Free Surface	0.728	0.148	0.047	0.099	0.069	0.492	0.496	No	0.099	0.728			
01081	1304	1296	8	228.12	0.087	0.004	0.004	Free Surface	1.664	0.025	0.001	0.017	0.028	2.785	3.579	Yes	0.06	0.249			
01082	1303	1304	8	327.38	0.078	0.002	0.002	Free Surface	1.381	0.02	0.001	0.014	0.022	2.557	3.392	Yes	0.015	1.221			
01083	1302	1303	8	168.39	0.067	0.001	0.001	Free Surface	1.058	0.015	0	0.01	0.015	2.263	3.141	Yes	0.011	0.898			
01084	1305	1304	8	314.48	0.004	0	0	Free Surface	0.253	0.016	0	0.011	0.008	0.527	0.726	Yes	0.013	0.183			
01085	1305	1306	8	131.37	0.03	0.001	0.001	Free Surface	0.726	0.016	0	0.011	0.013	1.513	2.082	Yes	0.016	0.398			
01086	1306	1307	8	411.74	0.008	0.002	0.002	Free Surface	0.61	0.032	0.002	0.021	0.02	0.899	1.111	No	0.021	0.61			
01087	1307	1313	8	158	0.051	0.004	0.004	Free Surface	1.445	0.03	0.002	0.02	0.03	2.201	2.747	Yes	0.035	0.623			
01088	1308	1307	8	191.77	0.06	0.001	0.001	Free Surface	1.016	0.016	0	0.01	0.015	2.144	2.963	Yes	0.016	0.518			
01089	1315	1725	8	249.94	0.001	0.016	0.016	Free Surface	0.433	0.164	0.058	0.109	0.057	0.278	0.277	No	0.109	0.433			
01090	1725	2943	8	253.58	0.006	0.017	0.017	Free Surface	1.06	0.093	0.018	0.062	0.059	0.909	0.965	Yes	0.064	1.002			
01091	1317	1316	8	399.47	0.001	0.004	0.004	Free Surface	0.383	0.063	0.008	0.042	0.027	0.401	0.448	Yes	0.046	0.332			
01092	1318	1317	8	400.83	0.002	0.002	0.002	Free Surface	0.357	0.05	0.005	0.034	0.022	0.418	0.483	Yes	0.036	0.316			
01093	1311	1318	8	121.72	0.085	0.001	0.001	Free Surface	1.15	0.014	0	0.01	0.015	2.529	3.541	Yes	0.667	0.003			
01094	1312	1314	8	400.97	0.004	0.004	0.004	Free Surface	0.575	0.048	0.004	0.032	0.027	0.691	0.804	Yes	0.037	0.463			
01095	1310	1312	8	138.94	0.007	0.002	0.002	Free Surface	0.606	0.035	0.002	0.023	0.022	0.85	1.035	Yes	0.029	0.437			
01096	1309	1310	8	327.47	0.068	0.001	0.001	Free Surface	1.06	0.015	0	0.01	0.015	2.269	3.15	Yes	0.019	0.415			
01100	1726	1295	8	370.47	0.019	0.028	0.028	Free Surface	1.81	0.09	0.017	0.06	0.076	1.579	1.683	No	0.06	1.81			
01101	1724	1726	8	328.83	0.018	0.027	0.027	Free Surface	1.729	0.09	0.017	0.06	0.074	1.507	1.606	No	0.06	1.729			
01102	1298	1724	8	96.23	0.018	0.026	0.026	Free Surface	1.732	0.087	0.016	0.058	0.072	1.534	1.642	No	0.058	1.732			
01104	1272	1278	8	172.66	0.014	0	0	Free Surface	0.46	0.014	0	0.01	0.01	1.012	1.416	Yes	0.013	0.281			
01105	1275	1293	8	384.63	0.013	0.002	0.002	Free Surface	0.691	0.027	0.001	0.018	0.019	1.106	1.401	Yes	0.023	0.476			
01106	1178	1179	8	400.17	0.027	0.005	0.005	Free Surface	1.218	0.038	0.003	0.025	0.032	1.652	1.99	Yes	0.03	0.926			
01107	1177	1178	8	132.52	0.02	0.004	0.004	Free Surface	1.016	0.036	0.002	0.024	0.028	1.412	1.714	Yes	0.025	0.947			
01108	1276	1275	8	129.07	0.02	0.001	0.001	Free Surface	0.578	0.015	0	0.01	0.011	1.233	1.71	Yes	0.014	0.354			
01110	1519	1485	8	91.95	0.004	0.082	0.082	Free Surface	1.371	0.227	0.113	0.151	0.13	0.74	0.722	No	0.151	1.371			
01111	1511	1518	8	102.43	0.008	0.075	0.075	Free Surface	1.79	0.177	0.068	0.118	0.124	1.101	1.092	No	0.118	1.79			
01112	1899	826	8	126.04	0.029	0.489	0.489	Free Surface	4.835	0.331	0.237	0.221	0.327	2.123	2.06	Yes	0.247	4.152			
01113	1530	1529	8	296.88	0.048	0.003	0.003	Free Surface	1.301	0.027	0.001	0.018	0.026	2.086	2.645	Yes	0.022	0.993			
01114	1301	1300	8	309.13	0.072	0.001	0.001	Free Surface	1.082	0.015	0	0.01	0.015	2.33	3.241	Yes	0.013	0.705			
01115	1300	1299	8	208.91	0.036	0.002	0.002	Free Surface	1.05	0.024	0.001	0.016	0.022	1.773	2.285	No	0.016	1.05			
01116	1254	1255	8	395.82	0.005	0.003	0.003	Free Surface	0.615	0.045	0.004	0.03	0.026	0.765	0.898	Yes	0.045	0.339			
01117	1547	1548	10	21.4	0.004	0.064	0.064	Free Surface	1.287	0.147	0.047	0.122	0.108	0.781	1.375	No	0.122	1.287			
01118	1548	1212	10	178.96	0.005	0.066	0.066	Free Surface	1.393	0.142	0.043	0.118	0.109	0.861	1.523	No	0.118	1.393			
01119	1545	1547	8	125.33	0.002	0.038	0.038	Free Surface	0.839	0.186	0.075	0.124	0.087	0.504	0.498	Yes	0.124	0.838			
01120	1543	1545	8	248.99	0.006	0.036	0.036	Free Surface	1.254	0.136	0.04	0.091	0.085	0.884	0.899	Yes	0.232	0.331			
01121	1618	1919	8	329.41	0.013	0.344	0.344	Free Surface	3.285	0.34	0.249	0.227	0.272	1.422	1.381	Yes	0.241	3.025			
01122	1919	1920	8	324.21	0.008	0.345	0.345	Free Surface	2.814	0.382	0.31	0.255	0.273	1.14	1.114	Yes	0.262	2.717			
01123	1265	1543	8	123.2	0.002	0.034	0.034	Free Surface	0.927	0.162	0.057	0.108	0.083	0.597	0.597	No	0.108	0.927			
01124	1212	1550	10	194.13	0.006	0.069	0.069	Free Surface	1.49	0.14	0.042	0.117	0.112	0.926	1.64	Yes	0.123	1.387			
01125	1550	1213	10	83.3	0.004	0.071	0.071	Free Surface	1.355	0.152	0.05	0.127	0.114	0.807	1.418	Yes	0.129	1.327			
01126	1213	1214	10	310.48	0.004	0.073	0.073	Free Surface	1.29	0.16	0.055	0.133	0.115	0.749	1.309	No	0.133	1.29			
01127	1214	1577	10	218.65	0.005	0.074	0.074	Free Surface	1.415	0.152	0.05	0.127	0.116	0.842	1.479	Yes	0.286	0.449			
01128	1,668.00	1577	18	264.86	0.012	1.349	1.349	Free Surface	4.389	0.23	0.116	0.345	0.435	1.568	11.614	Yes	0.395	3.628			
01129	1578	1668	18	323.8	0.002	1.347	1.347	Free Surface	2.482	0.346	0.257	0.519	0.435	0.709	5.235	No	0.519	2.482			
01130	1579	1578	18	324.24	0.001	1.345	1.345	Free Surface	1.927	0.417	0.364	0.626	0.434	0.494	3.699	No	0.626	1.927			
01132	1211	1212	8	390.11	0.015	0.002	0.002	Free Surface	0.7	0.026	0.001	0.017	0.018	1.149	1.467	Yes	0.067	0.093			
01133	1209	1580	8	124.88	0.118	0.001	0.001	Free Surface	1.084	0.01	0	0.007	0.012	2.812	4.153	Yes	0.272	0.005			
01133	1209	1580	8	124.88	0.118	0.001	0.001	Free Surface	1.084	0.01	0	0.007	0.012	2.812	4.153	Yes	0.272	0.005			
01134	1580	1579	18	359.39	0.002	1.344	1.344	Free Surface	2.367	0.358	0.274	0.536	0.434	0.664	4.907	Yes	0.581	2.125			
01135	1209	1210	8	391.71	0.029	0.001	0.001	Free Surface	0.76	0.017	0	0.012	0.014	1.519	2.064	Yes	0.015	0.532			
01136	1208	1207	8	139.77	0.005	0.002	0.002	Free Surface	0.487	0.033	0.002	0.022	0.018	0.707	0.87	Yes	0.024	0.416			
01137	1581	1580	18	488.82	0.004	1.341	1.341	Free Surface	2.881	0.309	0.208	0.464	0.434	0.876	6.45	Yes	0.502	2.587			
01139	1582	1581	18	483.4	0.001	1.339	1.339	Free Surface	1.929	0.415	0.361	0.623	0.433	0.496	3.71	No	0.623	1.929			

01140	1583	1582	18	100.2	0.007	1.338	1.338	Free Surface	3.582	0.264	0.153	0.396	0.433	1.188	8.753	Yes	0.511	2.52			
01141	1200	1583	8	310.27	0.005	0.007	0.007	Free Surface	0.744	0.063	0.008	0.042	0.037	0.779	0.871	Yes	0.222	0.067			
01142	1461	1200	8	214.55	0.003	0.005	0.005	Free Surface	0.59	0.061	0.007	0.04	0.032	0.63	0.709	Yes	0.043	0.53			
01143	969	1843	8	318.75	0.008	0.475	0.475	Free Surface	2.94	0.471	0.451	0.314	0.322	1.052	1.054	No	0.314	2.94			
01144	1187	1186	8	326	0.005	0.002	0.002	Free Surface	0.49	0.033	0.002	0.022	0.018	0.713	0.878	Yes	0.027	0.366			
01145	1186	1192	8	175.5	0.005	0.003	0.003	Free Surface	0.59	0.046	0.004	0.031	0.026	0.723	0.845	Yes	0.031	0.578			
01146	1192	1185	8	234.47	0.016	0.005	0.005	Free Surface	1.017	0.042	0.003	0.028	0.032	1.307	1.55	Yes	0.032	0.85			
01147	1182	1183	8	68.35	0.007	0.039	0.039	Free Surface	1.434	0.132	0.037	0.088	0.089	1.027	1.047	Yes	0.101	1.183			
01150	1577	1576	18	243.48	0.005	1.425	1.425	Free Surface	3.252	0.296	0.191	0.444	0.447	1.013	7.455	Yes	0.462	3.083			
01151	1576	9999	18	87.86	0.004	1.426	1.426	Free Surface	2.933	0.319	0.221	0.479	0.448	0.877	6.455	Yes	0.517	2.642			
01152	2917	1575	12	462.39	0.006	0.552	0.552	Free Surface	2.696	0.307	0.205	0.307	0.308	1.009	2.694	Yes	0.691	0.953			
01153	1433	1443	12	273.19	0.005	0.712	0.712	Free Surface	2.7	0.37	0.291	0.37	0.352	0.91	2.445	Yes	0.874	0.978			
01154	1443	1444	12	118.84	0.004	0.72	0.72	Free Surface	2.641	0.379	0.305	0.379	0.354	0.878	2.363	Yes	0.419	2.305			
01155	1444	1445	12	159.68	0.002	0.723	0.723	Free Surface	2.052	0.46	0.433	0.46	0.355	0.608	1.672	Yes	0.602	1.464			
01157	1446	1447	12	58.85	0.006	0.734	0.734	Free Surface	2.954	0.354	0.268	0.354	0.358	1.021	2.737	Yes	0.375	2.731			
01158	1447	1448	12	301.22	0.004	0.742	0.742	Free Surface	2.525	0.4	0.338	0.4	0.36	0.813	2.197	Yes	0.453	2.142			
01159	1448	1589	12	171.81	0.002	0.764	0.764	Free Surface	1.911	0.507	0.512	0.507	0.365	0.533	1.493	Yes	0.556	1.702			
01161	674	1703	14	81.21	0.081	0.582	0.582	Free Surface	6.879	0.133	0.038	0.155	0.303	3.711	15.317	Yes	0.578	1.1			
01162	1703	2916	14	480.16	0.001	0.586	0.586	Free Surface	1.34	0.429	0.382	0.5	0.305	0.384	1.536	No	0.5	1.34			
01163	1597	1596	8	381.84	0.003	0.391	0.391	Free Surface	2.068	0.533	0.556	0.355	0.291	0.683	0.703	No	0.355	2.068			
01164	1596	1595	8	504.5	0.003	0.395	0.395	Free Surface	2.066	0.537	0.564	0.358	0.293	0.679	0.7	Yes	0.363	2.03			
01165	1595	1594	8	457.8	0.003	0.398	0.398	Free Surface	2.045	0.546	0.578	0.364	0.294	0.665	0.689	No	0.364	2.045			
01166	2918	1593	8	482.95	0.006	0.409	0.409	Free Surface	2.591	0.462	0.436	0.308	0.298	0.937	0.936	No	0.308	2.591			
01167	1594	2918	8	58.24	0.013	0.405	0.405	Free Surface	3.402	0.374	0.297	0.249	0.296	1.396	1.362	Yes	0.277	2.958			
01168	1,451.00	1445	8	391.04	0.009	0.004	0.004	Free Surface	0.747	0.041	0.003	0.027	0.027	0.968	1.151	Yes	0.386	0.017			
01169	1450	1447	8	395.42	0.007	0.004	0.004	Free Surface	0.687	0.044	0.004	0.029	0.027	0.866	1.021	Yes	0.213	0.038			
01170	1442	1443	8	396.51	0.013	0.004	0.004	Free Surface	0.857	0.038	0.003	0.025	0.027	1.163	1.402	Yes	0.667	0.01			
01171	1,429.00	1428	8	223.42	0.006	0.004	0.004	Free Surface	0.649	0.045	0.004	0.03	0.027	0.801	0.939	Yes	0.038	0.459			
01172	1428	1427	8	395.57	0.005	0.007	0.007	Free Surface	0.758	0.065	0.008	0.043	0.038	0.78	0.868	Yes	0.049	0.641			
01173	1427	1426	8	327.79	0.005	0.011	0.011	Free Surface	0.866	0.078	0.012	0.052	0.047	0.812	0.881	Yes	0.054	0.82			
01174	1426	1449	8	289.42	0.009	0.015	0.015	Free Surface	1.131	0.079	0.013	0.053	0.054	1.052	1.14	Yes	0.061	0.908			
01175	1430	1432	12	335.48	0.001	0.69	0.69	Free Surface	1.615	0.535	0.56	0.535	0.346	0.435	1.233	Yes	0.548	1.566			
01176	1431	1430	12	73.99	0.003	0.687	0.687	Free Surface	2.187	0.421	0.37	0.421	0.345	0.683	1.857	Yes	0.478	1.853			
01177	1598	1597	8	434.46	0.006	0.388	0.388	Free Surface	2.609	0.441	0.403	0.294	0.29	0.971	0.963	Yes	0.327	2.279			
01178	1599	1598	8	281.18	0.004	0.384	0.384	Free Surface	2.171	0.506	0.51	0.337	0.288	0.742	0.754	No	0.337	2.171			
01179	1600	1599	8	173.21	0.028	0.381	0.381	Free Surface	4.455	0.294	0.188	0.196	0.287	2.092	2.028	Yes	0.267	2.92			
01180	1413	1600	8	151.26	0.014	0.02	0.02	Free Surface	1.455	0.084	0.014	0.056	0.064	1.316	1.416	Yes	0.124	0.456			
01181	1412	1413	8	264.06	0.009	0.003	0.003	Free Surface	0.717	0.04	0.003	0.027	0.026	0.94	1.121	Yes	0.042	0.37			
01182	1,411.00	1413	8	158.32	0.006	0.014	0.014	Free Surface	0.97	0.084	0.014	0.056	0.052	0.877	0.944	Yes	0.057	0.955			
01183	1408	1411	8	148.79	0.007	0.01	0.01	Free Surface	0.945	0.07	0.01	0.047	0.045	0.935	1.03	Yes	0.049	0.871			
01184	1410	1408	8	402.78	0.058	0.003	0.003	Free Surface	1.393	0.026	0.001	0.017	0.026	2.284	2.917	Yes	0.032	0.563			
01185	1601	1600	8	397.22	0.022	0.357	0.357	Free Surface	4.005	0.303	0.199	0.202	0.278	1.85	1.793	No	0.202	4.005			
01186	1,602.00	1638	8	377.41	0.002	0.018	0.018	Free Surface	0.741	0.122	0.032	0.081	0.06	0.554	0.57	Yes	0.178	0.24			
01187	1383	1602	8	323.78	0.016	0.007	0.007	Free Surface	1.124	0.049	0.005	0.033	0.038	1.331	1.541	Yes	0.055	0.521			
01188	1384	1383	8	406.86	0.018	0.004	0.004	Free Surface	0.942	0.035	0.002	0.023	0.027	1.329	1.62	Yes	0.029	0.663			
01189	1340	1638	8	497.42	0.021	0.363	0.363	Free Surface	3.985	0.307	0.205	0.205	0.28	1.825	1.768	Yes	0.24	3.205			
01190	1341	1340	8	500.49	0.021	0.36	0.36	Free Surface	3.967	0.306	0.204	0.204	0.279	1.82	1.764	No	0.204	3.967			
01191	1342	1341	8	501.31	0.02	0.356	0.356	Free Surface	3.879	0.309	0.207	0.206	0.277	1.771	1.716	No	0.206	3.879			
01192	1343	1342	8	504.24	0.02	0.352	0.352	Free Surface	3.856	0.308	0.206	0.205	0.276	1.763	1.709	Yes	0.206	3.839			
01193	2630	1343	8	228.1	0.037	0.23	0.23	Free Surface	4.26	0.212	0.099	0.141	0.221	2.384	2.335	Yes	0.175	3.149			
01194	1344	2630	8	137.97	0.035	0.227	0.227	Free Surface	4.167	0.213	0.099	0.142	0.219	2.327	2.279	No	0.142	4.167			
01195	2631	1344	8	392.33	0.014	0.216	0.216	Free Surface	2.983	0.261	0.149	0.174	0.214	1.495	1.451	No	0.174	2.983			
01197	1339	1338	8	387.54	0.011	0.004	0.004	Free Surface	0.802	0.039	0.003	0.026	0.027	1.071	1.285	Yes	0.032	0.579			
01199	1338	1336	8	374.7	0.007	0.007	0.007	Free Surface	0.822	0.061	0.007	0.041	0.038	0.875	0.983	Yes	0.055	0.519			
01200	599	3019	8	135.45	0.063	0.024	0.024	Free Surface	2.581	0.063	0.008	0.042	0.069	2.709	3.032	Yes	0.044	2.423			
01201	1336	1604	8	197.18	0.003	0.014	0.014	Free Surface	0.81	0.098	0.02	0.066	0.054	0.675	0.712	No	0.066	0.81			
01202	1337	1336	8	401.25	0.006	0.004	0.004	Free Surface	0.628	0.046	0.004	0.031	0.027	0.773	0.904	Yes	0.05	0.298			
01203	1,604.00	1605	8	37.99	0.014	0.018	0.018	Free Surface	1.411	0.079	0.013	0.052	0.06	1.319	1.431	Yes	0.064	1.052			
01204	1605	1603	8	288.57	0.004	0.022	0.022	Free Surface	0.989	0.113	0.027	0.076	0.066	0.767	0.796	Yes	0.153	0.358			
01205	1638	1603	8	320.43	0.008	0.385	0.385	Free Surface	2.893	0.406	0.346	0.271	0.289	1.131	1.111	No	0.271	2.893			
01206	1322	1325	8	192.48	0.005	0.043	0.043	Free Surface	1.271	0.154	0.051	0.102	0.094	0.842	0.846	Yes	0.133	0.868			
01207	1734	1733	12	494.15	0.003	0.085	0.085	Free Surface	1.172	0.148	0.047	0.148	0.118	0.647	1.799	No	0.148	1.172			
01208	1733	1732	12	471.54	0.005	0.086	0.086	Free Surface	1.529	0.124	0.033	0.124	0.119	0.924	2.614	Yes	0.125	1.507			
01209	1,732.00	2486	12	408.35	0.004	0.087	0.087	Free Surface	1.437	0.131	0.037	0.131	0.12	0.846	2.378	Yes	0.178	0.916			
01210	2486	2494	12	70.93	0.002	0.148	0.148	Free Surface	1.327	0.2	0.087	0.2	0.157	0.626	1.697	Yes	0.305	0.729			
01211	2491	1735	12	98.49	0.002	0.591	0.591	Free Surface	1.702	0.454	0.424	0.454	0.32	0.508	1.394	Yes	0.615	1.167			
01213	1357	1356	8	235.96	0.007	0.032	0.032	Free Surface	1.351	0.121	0.031	0.081	0.081	1.014	1.044	No	0.081	1.351			
01214	2633	1727	8	428.05	0.025	0.14	0.14	Free Surface	3.189	0.184	0.074	0.122	0.171	1.926	1.905	Yes	0.134	2.797			
01215	2634	2633	8	294.74	0.015	0.137	0.137	Free Surface	2.674	0.204	0.091	0.136	0.169	1.528	1.5	No	0.136	2.674			
01216	2632	2631	8	404.4	0.014	0.212	0.212	Free Surface	2.946	0.26	0.148	0.173	0.212	1.479	1.436	Yes	0.173	2.939			
01217	1345	2632	8	417.7	0.018	0.209	0.209	Free Surface	3.176	0.243	0.13	0.162	0.21	1.652	1.607	Yes	0.168	3.03			
01218	1356	1727	8	332.45	0.026	0.036	0.036	Free Surface	2.172	0.094	0.018	0.063	0.086	1.855	1.967	Yes	0.104	1.031			
01219	1241	1240	8	515.89	0.003	0.021	0.021	Free Surface	0.874	0.12	0.031	0.08	0.065	0.658	0.677	Yes	0.087	0.778			
01220	1240	1239	8	506.06	0.002	0.022	0.022	Free Surface	0.786	0.136	0.04	0.091	0.067	0.555	0.565	No	0.091	0.786			
01221	1630	1239	10	343.65	0.005	0.409	0.409	Free Surface	2.367	0.354	0.269	0.295	0.279	0.896	1.522	No	0.295	2.367			
01222	1629	1630	10	331.04	0.005	0.405	0.405	Free Surface	2.444	0.344	0.254	0.286	0.277	0.941	1.597	Yes	0.291	2.394			
01223	1628	1629	10	405.37	0.005	0.402	0.402	Free Surface	2.441	0.342	0.251	0.285	0.276	0.943	1.6	Yes	0.285	2.432			
01224	1632	1631	8	280.53	0.005	0.037	0.037	Free Surface	1.206	0.142	0.044	0.095	0.086	0.832	0.841	No	0.095	1.206			
01225	1633	1632	8	281.23	0.004	0.035	0.035	Free Surface	1.114	0.146	0.046	0.097	0.085	0.758	0.765	Yes	0.097	1.112			
01226	2,382.00	1633	8	282.06	0.004	0.034	0.034	Free Surface	1.084	0.144	0.045	0.096	0.083	0.743	0.751	Yes	0.098	1.044			
01227	1210	1549	8	86.07	0.018	0.003	0.003	Free Surface	0.872	0.031	0.002	0.02	0.023	1.315	1.635	Yes	0.047	0.249			
01228	1549	1546	10	198.68	0.004	0.023	0.023	Free Surface	0.931	0.091	0.017	0.076	0.065	0.721	1.34	No	0.076	0.931			
01229	1571	1570	8	298.77	0.01	0.005	0.005	Free Surface	0.837	0.046	0.004	0.03	0.031	1.03	1.205	Yes	0.035	0.695			
01230	1572	1571	8	284.78	0.032	0.002	0.002	Free Surface	1.016	0.025	0.001	0.017	0.022	1.686	2.16	Yes	0.026	0.533			
01231	1615	1616	8	401.05	0.014	0.177	0.177	Free Surface	2.77	0.239	0.125	0.159	0.193	1.455	1.417	Yes	0.177	2.392			
01232	1616	1617	8	399.18	0.006	0.181	0.181	Free Surface	2.103	0.295	0.189	0.197	0.195	0.986	0.955	Yes	0.21	1.914			
01233	2921	1618	8	420.59	0.008	0.188	0.188	Free Surface	2.298	0.285	0.177	0.19	0.199	1.097	1.063	Yes	0.208	2.021			
01234	1540	1618	8	149.31	0.004	0.152	0.152	Free Surface	1.729	0.299	0.195	0.199	0.178	0.804	0.779	No	0.199	1.729			
01235	880	1704	8	105.13	0.008	0.001	0.001	Free Surface	0.441	0.02	0.001	0.013	0.012	0.825	1.097	Yes	0.017	0.308			
01236	1704	879	8	179	0.008	0.001	0.001	Free Surface	0.537	0.028	0.001	0.018	0.017	0.849	1.072	Yes	0.019	0.502			
01239	1647	1646	15	275.38	0.042	0.877	0.877	Free Surface	6.122	0.174	0.066	0.218	0.367	2.776	13.272	Yes	0.257	4.832			
01240	607.00	1666	14	399.49	0.022	0.709	0.709	Free Surface	4.587	0.202	0.089	0.236	0.336	1.991	7.923	Yes	0.24	4.48			
01241	1666	1665	14	298.38	0.018	0.71	0.71	Free Surface	4.286	0.212	0.099	0.248	0.336	1.812	7.192	No	0.248	4.286			
01242	1665	1647	14	335.21	0.025	0.712	0.712	Free Surface	4.807	0.196	0.084	0.229	0.336	2.119	8.453	No	0.229	4.807			
01243	1646	1645	15	478.48	0.013	0.877	0.877	Free Surface	4.009	0.234	0.12	0.293	0.367	1.554	7.29	Yes	0.302	3.837			
01244	1645	1644	15	371.19	0.01	0.877	0.877	Free Surface	3.711	0.247	0.134	0.309	0.367	1.397	6.538	Yes	0.372	2.86			
01245	1644	1643	15	284.05	0.003	0.877	0.877	Free Surface	2.319	0.347	0.259	0.434	0.367	0.725	3.392	No	0.434	2.319			
01246	1114	1113	8	151.26	0.016	0.002	0.002	Free Surface	0.738	0.026	0.001	0.018	0.019	1.195	1.52	Yes	0.023	0.507			
01247	1113	1112	8	400.2	0.012	0.004	0.004	Free Surface	0.836	0.039	0.003	0.026	0.027	1.117	1.341	Yes	0.031	0.633			
01248	1117	1116	8	192.41	0.006	0.491	0.491	Pressurized	2.679	0.52	0.533	0.346	0.328	0.9	0.92	Yes	0.667	1.406			
01251	1111	1110	8	330.06	0.01	0.007	0.007	Free Surface	0.976	0.056	0.006	0.037	0.039	1.086	1.235	Yes	0.452	0.03			
01252	1112	1111	8	351.84	0.006	0.006	0.006	Free Surface	0.72	0.056	0.006	0.038	0.034	0.796	0.904	No	0.038	0.72			

01253	1654	1653	8	259.54	0.003	0.002	0.002	Free Surface	0.414	0.037	0.002	0.024	0.018	0.569	0.688	Yes	0.029	0.329			
01254	1653	1652	8	260.94	0.002	0.003	0.003	Free Surface	0.464	0.054	0.006	0.036	0.026	0.523	0.598	Yes	0.038	0.431			
01255	1,652.00	1656	8	136.18	0.006	0.005	0.005	Free Surface	0.737	0.052	0.005	0.035	0.032	0.848	0.974	Yes	0.044	0.515			
01256	1656	1655	8	94.25	0.006	0.012	0.012	Free Surface	0.902	0.081	0.013	0.054	0.049	0.832	0.9	Yes	0.059	0.783			
01257	1795	43	8	142.36	0.011	0.027	0.027	Free Surface	1.477	0.1	0.021	0.067	0.074	1.219	1.282	No	0.067	1.477			
01258	444	1795	8	129.34	0.079	0.024	0.024	Free Surface	2.812	0.06	0.007	0.04	0.07	3.019	3.4	Yes	0.051	1.962			
01259	208	444	8	42.16	0.087	0.021	0.021	Free Surface	2.794	0.055	0.006	0.037	0.065	3.133	3.571	Yes	0.039	2.52			
01260	1115	1719	15	339.9	0.022	0.878	0.878	Free Surface	4.892	0.204	0.091	0.255	0.367	2.042	9.654	Yes	0.259	4.77			
01261	1719	1718	15	330.99	0.02	0.878	0.878	Free Surface	4.704	0.209	0.096	0.262	0.367	1.935	9.133	Yes	0.288	4.101			
01262	1154	1717	8	402.45	0.037	0	0	Free Surface	0	0	0	0	0.007	0	2.342	Yes	0.004	0.812			
01262	1154	1717	8	402.45	0.037	0	0	Free Surface	0	0	0	0	0.007	0	2.342	Yes	0.004	0.812			
01262	1154	1717	8	402.45	0.037	0	0	Free Surface	0	0	0	0	0.007	0	2.342	Yes	0.004	0.812			
01263	1717	1150	8	299	0.034	0	0	Free Surface	0.594	0.011	0	0.007	0.009	1.518	2.231	Yes	0.01	0.386			
01265	1722	1723	8	131.67	0.081	0.408	0.408	Free Surface	6.628	0.232	0.118	0.155	0.298	3.533	3.444	Yes	0.193	4.866			
01266	647	1722	8	267.82	0.04	0.406	0.406	Free Surface	5.134	0.278	0.168	0.185	0.297	2.486	2.41	No	0.185	5.134			
01267	1735	1737	12	488.47	0.002	0.598	0.598	Free Surface	1.883	0.425	0.376	0.425	0.322	0.585	1.592	Yes	1	0.762			
01268	1737	1738	12	483.82	0.001	0.602	0.602	Pressurized	1.399	0.538	0.564	0.538	0.323	0.375	1.066	Yes	1	0.766			
01269	2,568.00	2564	8	268.55	0.007	0.052	0.052	Free Surface	1.534	0.153	0.051	0.102	0.103	1.017	1.022	Yes	0.109	1.393			
01270	1739	1594	8	138.12	0.017	0.003	0.003	Free Surface	0.869	0.032	0.002	0.021	0.024	1.288	1.594	No	0.021	0.869			
01271	1739	1637	8	156.22	0.001	0.001	0.001	Free Surface	0.242	0.032	0.002	0.021	0.013	0.359	0.444	Yes	0.027	0.164			
01272	1699	1700	12	353.76	0.055	0.59	0.59	Free Surface	6.159	0.179	0.07	0.179	0.319	3.074	8.393	Yes	0.193	5.533			
01273	1700	2808	12	323.62	0.029	0.591	0.591	Free Surface	4.92	0.21	0.097	0.21	0.32	2.258	6.099	Yes	0.248	3.891			
01275	1702	1701	12	286.39	0.004	0.601	0.601	Free Surface	2.525	0.343	0.252	0.343	0.322	0.889	2.379	No	0.343	2.525			
01276	1701	1544	12	162.41	0.026	0.63	0.63	Free Surface	4.819	0.223	0.109	0.223	0.33	2.143	5.767	No	0.223	4.819			
01277	1544	2817	12	85.96	0.028	0.632	0.632	Free Surface	4.967	0.219	0.105	0.219	0.331	2.232	6.014	Yes	0.236	4.458			
01278	2865	607	12	317.88	0.01	0.698	0.698	Free Surface	3.487	0.302	0.198	0.302	0.348	1.317	3.516	No	0.302	3.487			
01279	1160	2817	8	113.69	0.049	0.059	0.059	Free Surface	3.135	0.103	0.022	0.069	0.11	2.554	2.678	Yes	0.161	0.914			
01280	1658	1160	8	313.3	0.068	0.039	0.039	Free Surface	3.093	0.078	0.012	0.052	0.089	2.901	3.15	Yes	0.06	2.489			
01282	1671	2816	8	297.99	0.006	0.017	0.017	Free Surface	1.055	0.093	0.018	0.062	0.059	0.906	0.962	No	0.062	1.055			
01283	1664	1671	8	73.96	0.022	0.016	0.016	Free Surface	1.59	0.066	0.009	0.044	0.056	1.625	1.805	Yes	0.053	1.198			
01284	1663	1664	8	178.38	0.034	0.014	0.014	Free Surface	1.78	0.057	0.006	0.038	0.053	1.959	2.221	Yes	0.043	1.476			
01285	1662	2810	8	247.5	0.033	0.006	0.006	Free Surface	1.38	0.039	0.003	0.026	0.035	1.835	2.198	Yes	0.033	0.97			
01286	602	1659	8	348.92	0.055	0.002	0.002	Free Surface	1.077	0.018	0.001	0.012	0.018	2.103	2.836	Yes	0.145	0.028			
01287	1538	604	8	214.76	0.006	0.007	0.007	Free Surface	0.81	0.061	0.007	0.041	0.038	0.862	0.968	Yes	0.061	0.449			
01288	619	1538	6	63.25	0.022	0.004	0.004	Free Surface	1.054	0.047	0.004	0.024	0.029	1.474	0.837	Yes	0.032	0.666			
01289	1661	1662	8	130.42	0.054	0.003	0.003	Free Surface	1.327	0.025	0.001	0.017	0.025	2.2	2.819	Yes	0.021	0.936			
01290	1,676.00	1657	8	400.35	0.04	0.028	0.028	Free Surface	2.331	0.076	0.012	0.05	0.076	2.222	2.423	No	0.05	2.331			
01291	1660	1661	8	246.19	0.054	0.002	0.002	Free Surface	1.07	0.018	0.001	0.012	0.018	2.083	2.807	Yes	0.013	0.956			
01292	1073	1676	8	82.56	0.024	0.005	0.005	Free Surface	1.132	0.037	0.003	0.025	0.031	1.552	1.876	Yes	0.037	0.619			
01293	1675	1676	8	385.62	0.012	0.022	0.022	Free Surface	1.418	0.089	0.016	0.06	0.066	1.241	1.325	No	0.06	1.418			
01294	1674	1675	8	396.32	0.01	0.02	0.02	Free Surface	1.291	0.091	0.017	0.06	0.064	1.123	1.196	Yes	0.061	1.257			
01295	1673	1674	8	404.25	0.01	0.009	0.009	Free Surface	1.022	0.063	0.008	0.042	0.043	1.073	1.201	Yes	0.051	0.756			
01296	1672	1673	8	397.92	0.01	0.001	0.001	Free Surface	0.47	0.019	0.001	0.013	0.012	0.896	1.199	Yes	0.027	0.156			
01297	884	1708	8	267.37	0.064	1.154	1.154	Free Surface	8.178	0.425	0.375	0.283	0.509	3.115	3.074	Yes	0.324	6.846			
01298	1708	1707	10	291.02	0.017	1.171	1.171	Free Surface	4.992	0.445	0.408	0.371	0.482	1.653	2.868	No	0.371	4.992			
01299	1707	1709	12	276.24	0.03	1.172	1.172	Free Surface	6.05	0.295	0.19	0.295	0.456	2.313	6.177	Yes	0.301	5.879			
01300	1709	1713	12	326.88	0.026	1.174	1.174	Free Surface	5.725	0.307	0.205	0.307	0.457	2.141	5.716	Yes	0.313	5.59			
01302	1079	1674	8	93.37	0.074	0.009	0.009	Free Surface	2.069	0.039	0.003	0.026	0.043	2.752	3.296	Yes	0.043	0.976			
01303	1712	1713	8	127.72	0.027	0.002	0.002	Free Surface	0.942	0.025	0.001	0.017	0.021	1.566	2.009	Yes	0.167	0.032			
01304	1711	1712	8	148.66	0.006	0.001	0.001	Free Surface	0.504	0.029	0.002	0.019	0.017	0.778	0.974	No	0.019	0.504			
01305	1710	1711	8	167.28	0.019	0.001	0.001	Free Surface	0.595	0.016	0	0.011	0.012	1.226	1.683	Yes	0.014	0.414			
01306	1713	1714	12	368.02	0.023	1.177	1.177	Free Surface	5.474	0.318	0.219	0.318	0.457	2.008	5.365	No	0.318	5.474			
01307	1714	1715	12	102.41	0.027	1.186	1.186	Free Surface	5.832	0.306	0.203	0.306	0.459	2.188	5.843	Yes	0.32	5.469			
01308	1715	1716	12	354.09	0.019	1.186	1.186	Free Surface	5.147	0.335	0.242	0.335	0.459	1.836	4.91	No	0.335	5.147			
01309	988	1716	8	68.05	0.049	0.002	0.002	Free Surface	1.15	0.022	0.001	0.015	0.021	2.047	2.68	Yes	0.146	0.039			
01310	989	988	8	300.57	0.002	0.001	0.001	Free Surface	0.362	0.036	0.002	0.024	0.017	0.499	0.605	No	0.024	0.362			
01311	990	989	8	308.01	0.002	0.001	0.001	Free Surface	0.261	0.028	0.001	0.019	0.012	0.407	0.512	Yes	0.022	0.21			
01312	946	947	8	606.87	0.01	0.002	0.002	Free Surface	0.648	0.032	0.002	0.021	0.021	0.956	1.181	Yes	0.024	0.548			
01313	1575	1650	18	336.65	0.003	0.553	0.553	Free Surface	1.972	0.216	0.102	0.324	0.276	0.729	5.415	Yes	1.5	0.313			
01314	1650	1747	18	400.12	0.017	0.553	0.553	Free Surface	3.816	0.137	0.04	0.205	0.276	1.793	13.831	Yes	0.38	1.573			
01315	871	953	8	298.02	0.016	0.003	0.003	Free Surface	0.862	0.032	0.002	0.022	0.024	1.261	1.553	Yes	0.025	0.683			
01316	953	872	8	96.78	0.016	0.006	0.006	Free Surface	1.067	0.045	0.004	0.03	0.034	1.325	1.555	Yes	0.032	0.978			
01317	1044	976	8	266.36	0.031	0.06	0.06	Free Surface	2.677	0.116	0.028	0.077	0.111	2.055	2.126	Yes	0.1	1.841			
01318	1046	1045	8	214.66	0.008	0.002	0.002	Free Surface	0.604	0.033	0.002	0.022	0.021	0.872	1.071	Yes	0.024	0.531			
01319	1047	1045	8	204.71	0.086	0.006	0.006	Free Surface	1.945	0.032	0.002	0.021	0.036	2.879	3.561	Yes	0.024	1.645			
01320	1045	1048	8	274.23	0.052	0.011	0.011	Free Surface	1.9	0.045	0.004	0.03	0.046	2.347	2.75	Yes	0.034	1.572			
01321	1747	1748	18	500.13	0.004	1.98	1.98	Free Surface	3.333	0.37	0.291	0.555	0.53	0.917	6.792	Yes	0.607	2.952			
01322	1748	1750	18	331.18	0.002	2.031	2.031	Free Surface	2.714	0.44	0.4	0.66	0.537	0.675	5.078	No	0.66	2.714			
01324	1184	1762	8	143.61	0.004	0.049	0.049	Free Surface	1.199	0.176	0.067	0.117	0.101	0.742	0.736	No	0.117	1.199			
01325	1762	1749	8	164.92	0.007	0.051	0.051	Free Surface	1.494	0.154	0.052	0.103	0.102	0.988	0.992	Yes	0.116	1.251			
01326	1749	1748	8	503.42	0.003	0.051	0.051	Free Surface	1.129	0.188	0.077	0.125	0.102	0.674	0.666	Yes	0.392	0.239			
01337	1728	1729	10	332.16	0.004	0.396	0.396	Free Surface	2.209	0.364	0.283	0.303	0.274	0.823	1.4	Yes	0.306	2.187			
01338	1729	1628	10	335.76	0.004	0.398	0.398	Free Surface	2.173	0.37	0.291	0.308	0.275	0.803	1.367	No	0.308	2.173			
01339	1144	1123	21	358.98	0.003	2.932	2.932	Free Surface	3.248	0.401	0.339	0.702	0.621	0.789	8.645	Yes	0.703	3.245			
01340	1142	1147	18	454.92	0.001	0.951	0.951	Free Surface	1.879	0.329	0.234	0.493	0.363	0.553	4.072	No	0.493	1.879			
01345	1145	1144	21	397.83	0.002	2.93	2.93	Free Surface	2.901	0.437	0.395	0.765	0.621	0.67	7.412	No	0.765	2.901			
01346	2556	1145	21	222.61	0.002	2.928	2.928	Free Surface	2.815	0.447	0.411	0.782	0.621	0.642	7.119	No	0.782	2.815			
01347	2554	2546	15	247.87	0.02	2.893	2.893	Free Surface	6.642	0.385	0.314	0.481	0.683	1.956	9.208	Yes	0.519	6.012			
01348	1607	2555	12	244.05	0.028	1.208	1.208	Free Surface	5.969	0.305	0.202	0.305	0.464	2.243	5.989	Yes	0.307	5.913			
01349	1609	1607	12	386.25	0.031	1.19	1.19	Free Surface	6.167	0.294	0.189	0.294	0.46	2.362	6.307	Yes	0.299	6.019			
01350	1608	1721	8	109.31	0.028	0.011	0.011	Free Surface	1.558	0.053	0.006	0.036	0.048	1.772	2.027	Yes	0.043	1.199			
01352	1166	3009	8	287.96	0.025	0.004	0.004	Free Surface	1.067	0.033	0.002	0.022	0.027	1.549	1.905	No	0.022	1.067			
01353	3010	1808	8	122.47	0.006	0.007	0.007	Free Surface	0.806	0.063	0.008	0.042	0.039	0.84	0.938	No	0.042	0.806			
01354	1164	1808	8	157.02	0.106	0.004	0.004	Free Surface	1.77	0.023	0.001	0.016	0.027	3.048	3.951	Yes	0.023	1.028			
01355	1807	1164	8	223.31	0.038	0.002	0.002	Free Surface	1.006	0.022	0.001	0.014	0.019	1.809	2.377	Yes	0.017	0.81			
01356	1,163.00	1162	8	178.06	0.064	0.004	0.004	Free Surface	1.483	0.026	0.001	0.018	0.027	2.406	3.062	Yes	0.02	1.236			
01357	1804	1158	8	222.63	0.01	0.002	0.002	Free Surface	0.641	0.029	0.002	0.019	0.019	0.99	1.241	Yes	0.025	0.441			
01358	1158	1803	8	238.15	0.012	0.004	0.004	Free Surface	0.827	0.039	0.003	0.026	0.027	1.1	1.318	Yes	0.028	0.729			
01359	1803	1610	8	147.04	0.037	0.009	0.009	Free Surface	1.625	0.046	0.004	0.031	0.043	1.994	2.333	Yes	0.169	0.135			
01360	1156	1157	8	259.15	0.064	0.002	0.002	Free Surface	1.199	0.019	0.001	0.013	0.019	2.287	3.06	No	0.013	1.199			
01361	1157	1803	8	266.08	0.074	0.004	0.004	Free Surface	1.565	0.025	0.001	0.017	0.027	2.585	3.307	Yes	0.024	0.946			
01362	1611	1612	12	354.82	0.031	1.175	1.175	Free Surface	6.098	0.294	0.188	0.294	0.457	2.337	6.241	Yes	0.307	5.751			
01363	1612	1610	12	161.38	0.022	1.177	1.177	Free Surface	5.447	0.319	0.221	0.319	0.457	1.994	5.328	No	0.319	5.447			
01365	2,880.00	1608	8	174.18	0.144	0.009	0.009	Free Surface	2.606	0.033	0.002	0.022	0.043	3.753	4.604	Yes	0.029	1.766			
01366	1613	1611	12	396.41	0.039	1.173	1.173	Free Surface	6.671	0.275	0.166	0.275	0.456	2.65	7.08	Yes	0.285	6.368			
01367	1808	2879	8	71.13	0.162	0.013	0.013	Free Surface	3.009	0.038	0.003	0.025	0.051	4.06	4.884	Yes	0.535	0.044			
01368	1147	1148	18	298.53	0.003	0.953	0.953	Free Surface	2.546	0.265	0.153	0.397	0.364	0.844	6.216	Yes	0.467	2.031			
01369	1148	1149	18	133.88	0.001	0.953	0.953	Free Surface	1.678	0.358	0.274	0.537	0.364	0.471	3.478	No	0.537	1.678			
01370	1149	1153	18	293.29	0.002	0.953	0.953	Free Surface	2.014	0.313	0.213	0.47	0.364	0.608	4.477	Yes	0.524	1.732			
01371	1150	1151	8	41.35	0.016	0.001	0.001	Free Surface	0.501	0.015	0	0.01	0.01	1.097	1.534	Yes	0.01	0.499			
01372	2875	2876	15	493.18	0.021	0.878	0.878	Free Surface	4.77	0.207	0.094	0.259	0.368	1.972	9.312	No	0.259	4.77			
01373	1151	1153	8	51.3	0.106	0.001	0.001	Free Surface	1.032	0.01	0	0.007	0.011	2.672	3.945	Yes	0.293	0.004			

01374	1153	1155	18	138.04	0.003	1.833	1.833	Free Surface	2.913	0.386	0.315	0.579	0.51	0.782	5.81	No	0.579	2.913			
01375	1155	MH22	18	76.93	0.021	1.833	1.833	Free Surface	5.844	0.233	0.12	0.35	0.51	2.072	15.331	Yes	0.565	3.007			
01376	1,819.00	1820	18	326.5	0.014	4.774	4.774	Free Surface	6.551	0.431	0.386	0.646	0.84	1.648	12.378	Yes	1.5	2.702			
01377	2976	1821	18	254.94	0.004	4.774	4.774	Free Surface	3.951	0.646	0.751	0.97	0.84	0.759	6.361	No	0.97	3.951			
01378	682	688	6	256.09	0.007	0.008	0.008	Free Surface	0.873	0.09	0.017	0.045	0.042	0.881	0.458	Yes	0.111	0.234			
01379	681	682	6	109.73	0.018	0.004	0.004	Free Surface	0.992	0.051	0.005	0.026	0.03	1.328	0.745	Yes	0.036	0.596			
01381	1483	1764	8	81.52	0.006	0.026	0.026	Free Surface	1.207	0.113	0.027	0.075	0.073	0.938	0.973	Yes	0.083	1.041			
01382	1766	1765	8	105.34	0.006	0.007	0.007	Free Surface	0.811	0.063	0.008	0.042	0.039	0.847	0.947	Yes	0.049	0.649			
01384	879.00	887	8	278.61	0.034	0.003	0.003	Free Surface	1.103	0.027	0.001	0.018	0.024	1.76	2.229	Yes	0.107	0.081			
01386	2860	1792	8	76.63	0.037	0.004	0.004	Free Surface	1.215	0.029	0.002	0.02	0.027	1.868	2.338	Yes	0.026	0.782			
01387	1892	1891	8	272.92	0.008	0.003	0.003	Free Surface	0.663	0.039	0.003	0.026	0.024	0.888	1.066	Yes	0.029	0.567			
01388	1891	1889	8	308.09	0.02	0.006	0.006	Free Surface	1.142	0.043	0.003	0.028	0.034	1.456	1.722	Yes	0.042	0.632			
01389	1801	1601	8	213.44	0.005	0.354	0.354	Free Surface	2.318	0.451	0.417	0.3	0.276	0.852	0.847	No	0.3	2.318			
01390	1802	1801	8	182.53	0.008	0.014	0.014	Free Surface	1.085	0.078	0.012	0.052	0.052	1.021	1.109	Yes	0.176	0.185			
01391	1289	1292	8	167.54	0.022	0.006	0.006	Free Surface	1.177	0.042	0.003	0.028	0.034	1.517	1.8	No	0.028	1.177			
01392	1290	1289	8	113.32	0.015	0.005	0.005	Free Surface	0.97	0.041	0.003	0.027	0.031	1.263	1.503	No	0.027	0.97			
01394	1299	1290	8	200.28	0.085	0.004	0.004	Free Surface	1.607	0.024	0.001	0.016	0.027	2.734	3.531	Yes	0.021	1.09			
01396	1105	992	8	236.17	0.003	0.001	0.001	Free Surface	0.317	0.025	0.001	0.017	0.012	0.53	0.681	No	0.017	0.317			
01400	152	151	8	333.69	0.02	0.413	0.413	Free Surface	4.043	0.334	0.241	0.223	0.3	1.767	1.716	No	0.223	4.043			
01401	144	544	10	174.98	0.02	0.03	0.03	Free Surface	1.794	0.07	0.01	0.058	0.074	1.594	3.071	No	0.058	1.794			
01402	545	491	12	166.73	0.021	0.038	0.038	Free Surface	1.93	0.061	0.007	0.061	0.079	1.676	5.188	Yes	0.061	1.912			
01403	546	152	8	310.87	0.03	0.411	0.411	Free Surface	4.693	0.299	0.194	0.199	0.299	2.183	2.115	Yes	0.211	4.328			
01404	491	153	12	152.44	0.019	0.042	0.042	Free Surface	1.93	0.065	0.008	0.065	0.083	1.623	4.979	Yes	0.065	1.928			
01405	153	149	12	191.71	0.023	0.044	0.044	Free Surface	2.082	0.064	0.008	0.064	0.085	1.77	5.447	No	0.064	2.082			
01406	149	150	12	139.12	0.042	0.053	0.053	Free Surface	2.708	0.061	0.007	0.061	0.094	2.357	7.3	Yes	0.063	2.549			
01407	147	145	8	290.68	0.021	0.002	0.002	Free Surface	0.817	0.025	0.001	0.017	0.019	1.368	1.758	Yes	0.021	0.566			
01408	145	146	8	168.09	0.016	0.004	0.004	Free Surface	0.917	0.036	0.002	0.024	0.027	1.265	1.532	Yes	0.026	0.828			
01409	146	148	8	36.22	0.015	0.006	0.006	Free Surface	1.012	0.045	0.004	0.03	0.034	1.258	1.477	No	0.03	1.012			
01410	148	149	8	39.37	0.082	0.007	0.007	Free Surface	1.998	0.034	0.002	0.023	0.039	2.835	3.463	Yes	0.04	0.871			
01413	15	16	8	385.15	0.023	0.033	0.033	Free Surface	2.011	0.093	0.018	0.062	0.082	1.728	1.835	Yes	0.069	1.715			
01414	17	21	8	29.48	0.024	0.044	0.044	Free Surface	2.242	0.105	0.023	0.07	0.094	1.81	1.893	Yes	0.09	1.539			
01415	994	873	8	143.88	0.079	0.024	0.024	Free Surface	2.802	0.06	0.007	0.04	0.069	3.016	3.399	Yes	0.051	1.917			
01416	1813	1809	8	248.32	0.011	0.02	0.02	Free Surface	1.332	0.088	0.016	0.059	0.064	1.177	1.259	Yes	0.059	1.308			
01417	1809	1810	8	148.73	0.013	0.022	0.022	Free Surface	1.45	0.088	0.016	0.059	0.067	1.277	1.365	No	0.059	1.45			
01418	1818	1811	8	297.3	0.007	0.002	0.002	Free Surface	0.562	0.033	0.002	0.022	0.02	0.812	0.997	Yes	0.028	0.401			
01419	1811	1810	8	157.05	0.008	0.004	0.004	Free Surface	0.738	0.044	0.004	0.029	0.028	0.925	1.088	Yes	0.038	0.497			
01420	1810	1812	8	376.27	0.041	0.028	0.028	Free Surface	2.339	0.075	0.011	0.05	0.075	2.235	2.439	No	0.05	2.339			
01421	1812	1814	8	330.56	0.079	0.03	0.03	Free Surface	3.018	0.066	0.009	0.044	0.078	3.074	3.413	No	0.044	3.018			
01422	1814	1815	8	357.28	0.066	0.032	0.032	Free Surface	2.89	0.071	0.01	0.048	0.081	2.837	3.118	Yes	0.048	2.837			
01423	1815	1817	8	312.08	0.063	0.034	0.034	Free Surface	2.899	0.074	0.011	0.05	0.083	2.79	3.05	Yes	0.079	1.455			
01424	1816	1817	8	221.56	0.001	0.005	0.005	Free Surface	0.42	0.08	0.013	0.053	0.033	0.39	0.423	Yes	0.081	0.226			
01426	1730	1602	8	121.06	0.005	0.007	0.007	Free Surface	0.756	0.064	0.008	0.043	0.038	0.782	0.872	Yes	0.06	0.458			
01427	1731	1730	8	493.96	0.004	0.004	0.004	Free Surface	0.566	0.049	0.005	0.033	0.027	0.672	0.779	Yes	0.038	0.447			
01428	351	2834	8	340.59	0.057	0.211	0.211	Free Surface	4.831	0.183	0.073	0.122	0.211	2.923	2.892	Yes	0.147	3.716			
01429	262	263	8	102.27	0.014	0.003	0.003	Free Surface	0.827	0.034	0.002	0.022	0.024	1.188	1.456	Yes	0.024	0.727			
01430	437	436	8	173.19	0.009	0.003	0.003	Free Surface	0.718	0.038	0.003	0.025	0.025	0.968	1.165	Yes	0.029	0.598			
01431	436	435	8	247.07	0.016	0.006	0.006	Free Surface	1.067	0.046	0.004	0.031	0.035	1.302	1.521	Yes	0.552	0.02			
01432	435	434	8	288.53	0.001	0.009	0.009	Free Surface	0.474	0.106	0.024	0.071	0.043	0.38	0.397	No	0.071	0.474			
01433	378	377	8	327.36	0.011	0.004	0.004	Free Surface	0.819	0.04	0.003	0.027	0.028	1.074	1.281	Yes	0.027	0.792			
01434	377	376	8	97.58	0.037	0.008	0.008	Free Surface	1.533	0.042	0.003	0.028	0.039	1.964	2.327	Yes	0.032	1.281			
01435	295	188	8	326.79	0.026	0.087	0.087	Free Surface	2.82	0.144	0.045	0.096	0.134	1.934	1.955	Yes	0.097	2.788			
01436	188	394	8	186.21	0.027	0.091	0.091	Free Surface	2.894	0.146	0.046	0.097	0.137	1.969	1.987	Yes	0.102	2.689			
01437	394.00	164	8	284.12	0.032	0.122	0.122	Free Surface	3.345	0.161	0.056	0.107	0.159	2.162	2.162	Yes	0.122	2.778			
01438	164	155	8	310.83	0.014	0.131	0.131	Free Surface	2.527	0.205	0.092	0.137	0.165	1.439	1.412	Yes	0.154	2.143			
01439	100	101	12	358.12	0.006	0.761	0.761	Free Surface	2.975	0.361	0.279	0.361	0.364	1.016	2.727	No	0.361	2.975			
01440	101	320	12	138.91	0.01	0.765	0.765	Free Surface	3.554	0.318	0.22	0.318	0.365	1.303	3.482	No	0.318	3.554			
01441	98	99	12	227.18	0.004	0.753	0.753	Free Surface	2.563	0.401	0.338	0.401	0.362	0.825	2.23	No	0.401	2.563			
01442	99	100	12	393.93	0.005	0.757	0.757	Free Surface	2.865	0.37	0.292	0.37	0.363	0.965	2.594	No	0.37	2.865			
01443	1828	1829	8	12.65	0.038	0.027	0.027	Free Surface	2.271	0.075	0.011	0.05	0.074	2.17	2.367	Yes	0.054	2.053			
01444	1829	91	8	33.11	0.036	0.031	0.031	Free Surface	2.31	0.082	0.014	0.054	0.079	2.121	2.29	Yes	0.175	0.426			
01445	1832	1831	8	253.3	0.02	0.004	0.004	Free Surface	1.04	0.037	0.003	0.025	0.03	1.423	1.719	Yes	0.029	0.833			
01446	1831	1830	8	175.17	0.018	0.009	0.009	Free Surface	1.227	0.053	0.005	0.035	0.042	1.403	1.608	No	0.035	1.227			
01447	1834	1833	8	117.91	0.03	0.027	0.027	Free Surface	2.089	0.08	0.013	0.053	0.074	1.94	2.101	Yes	0.055	1.967			
01448	1835	1834	8	178.44	0.041	0.023	0.023	Free Surface	2.217	0.069	0.01	0.046	0.069	2.215	2.446	Yes	0.047	2.125			
01449	1836	1835	8	138.27	0.023	0.012	0.012	Free Surface	1.466	0.057	0.006	0.038	0.048	1.611	1.827	Yes	0.044	1.181			
01450	1838	1837	8	204.17	0.02	0.004	0.004	Free Surface	1.011	0.035	0.002	0.023	0.028	1.423	1.734	Yes	0.031	0.677			
01451	1,837.00	1836	8	220.99	0.011	0.008	0.008	Free Surface	0.999	0.056	0.006	0.037	0.039	1.107	1.258	Yes	0.039	0.935			
01452	1840	1839	8	232.89	0.011	0.004	0.004	Free Surface	0.826	0.04	0.003	0.027	0.028	1.086	1.296	Yes	0.028	0.79			
01453	1839	1835	8	182.78	0.022	0.008	0.008	Free Surface	1.285	0.047	0.004	0.032	0.039	1.552	1.807	Yes	0.041	0.881			
01454	1784	1864	8	134.01	0.008	0.279	0.279	Free Surface	2.542	0.352	0.266	0.235	0.244	1.079	1.05	No	0.235	2.542			
01455	1864	2627	8	195.3	0.051	0.282	0.282	Free Surface	5.069	0.217	0.103	0.144	0.246	2.805	2.744	Yes	0.168	4.075			
01456	980	971	8	147.69	0.016	0.075	0.075	Free Surface	2.261	0.151	0.049	0.101	0.124	1.511	1.519	Yes	0.156	1.212			
01457	1843	1844	8	154.84	0.01	0.478	0.478	Free Surface	3.236	0.44	0.4	0.293	0.323	1.207	1.196	Yes	0.312	2.988			
01458	1844	1845	8	194.23	0.007	0.482	0.482	Free Surface	2.795	0.495	0.492	0.33	0.325	0.969	0.98	Yes	0.33	2.794			
01460	1848	1847	8	342.08	0.01	0.058	0.058	Free Surface	1.81	0.148	0.047	0.099	0.109	1.223	1.233	Yes	0.1	1.782			
01461	1849	1848	8	331.42	0.03	0.054	0.054	Free Surface	2.566	0.111	0.026	0.074	0.106	2.011	2.09	Yes	0.087	2.033			
01462	1846	1849	8	159.1	0.063	0.004	0.004	Free Surface	1.49	0.027	0.001	0.018	0.028	2.392	3.033	Yes	0.046	0.375			
01463	1850	1849	8	166.25	0.035	0.047	0.047	Free Surface	2.587	0.099	0.021	0.066	0.098	2.145	2.259	Yes	0.07	2.405			
01464	1851	1850	8	489.95	0.025	0.043	0.043	Free Surface	2.251	0.103	0.022	0.069	0.093	1.833	1.922	No	0.069	2.251			
01465	1856	1854	8	205.59	0.021	0.004	0.004	Free Surface	1.012	0.035	0.002	0.023	0.028	1.425	1.736	Yes	0.039	0.474			
01466	1855	1854	8	95.27	0.001	0.004	0.004	Free Surface	0.374	0.068	0.009	0.046	0.028	0.376	0.415	Yes	0.05	0.327			
01467	1854	1853	8	219.38	0.006	0.012	0.012	Free Surface	0.915	0.079	0.013	0.052	0.048	0.856	0.929	Yes	0.059	0.762			
01468	1853	1852	8	168.56	0.012	0.026	0.026	Free Surface	1.479	0.098	0.02	0.065	0.073	1.237	1.305	Yes	0.068	1.38			
01469	1852	1851	8	130.28	0.014	0.039	0.039	Free Surface	1.779	0.113	0.027	0.076	0.089	1.38	1.43	No	0.076	1.779			
01470	1859	1858	8	255.4	0.035	0.003	0.003	Free Surface	1.095	0.026	0.001	0.017	0.023	1.782	2.27	Yes	0.023	0.74			
01471	1858	1857	8	129.07	0.023	0.007	0.007	Free Surface	1.248	0.043	0.004	0.029	0.036	1.575	1.857	Yes	0.031	1.151			
01472	1857	1853	8	396.04	0.049	0.01	0.01	Free Surface	1.861	0.045	0.004	0.03	0.046	2.299	2.695	Yes	0.048	0.931			
01473	1859	1860	8	370.76	0.006	0.001	0.001	Free Surface	0.461	0.026	0.001	0.017	0.015	0.751	0.957	Yes	0.023	0.301			
01474	1860	1861	8	264.3	0.016	0.005	0.005	Free Surface	0.995	0.042	0.003	0.028	0.032	1.275	1.511	No	0.028	0.995			
01475	1861	1852	8	289.21	0.094	0.009	0.009	Free Surface	2.211	0.036	0.002	0.024	0.042	3.061	3.711	Yes	0.048	0.8			
01476	1900	1901	8	181.24	0.008	0.041	0.041	Free Surface	1.464	0.135	0.039	0.09	0.092	1.038	1.056	Yes	0.102	1.222			
01477	23	24	8	145.77	0.01	0.235	0.235	Free Surface	2.713	0.296	0.191	0.197	0.223	1.268	1.229	Yes	0.206	2.551			
01478	1890	1889	8	166.96	0.005	0.003	0.003	Free Surface	0.571	0.043	0.003	0.028	0.024	0.728	0.861	Yes	0.042	0.316			
01479	1887	1886	8	374.14	0.016	0.003	0.003	Free Surface	0.853	0.033	0.002	0.022	0.024	1.245	1.534	Yes	0.04	0.347			
01480	1889	1888	8	298.8	0.006	0.012	0.012	Free Surface	0.925	0.078	0.013	0.052	0.049	0.866	0.94	Yes	0.056	0.834			
01481	1888	1886	8	384.72	0.004	0.015	0.015	Free Surface	0.88	0.095	0.019	0.063	0.054	0.749	0.793	No	0.063	0.88			
01482	1886	1885	8	233.48	0.011	0.021	0.021	Free Surface	1.361	0.088	0.016	0.059	0.065	1.199	1.281	No	0.059	1.361			
01483	1885	1883	8	226.97	0.022	0.024	0.024	Free Surface	1.786	0.08	0.013	0.054	0.069	1.651	1.786	Yes	0.07	1.2			
01484	1,883.00	1882	8	128.92	0.009	0.041	0.041	Free Surface	1.538	0.13	0.036	0.087	0.092	1.11	1.133	Yes	0.219	0.412			
01485	1884	1883	8	216.95	0	0.015	0.015	Free Surface	0.355	0.176	0.068	0.117	0.054	0.219	0.218	No	0.117	0.355			
01486	1881	1880	8	275.45	0.007	0.003	0.003	Free Surface	0.634	0.04	0.003	0.027	0.024	0.836	0.999	Yes	0.034	0.429			
01487	1878	1877	8	98.77	0.009	0.003	0.003	Free Surface	0.694	0.037	0.003	0.025	0.024	0.944	1.138	Yes	0.031	0.511			

01488	1877	1876	8	109.87	0.009	0.006	0.006	Free Surface	0.863	0.052	0.005	0.034	0.034	1	1.15	Yes	0.056	0.415			
01489	1876	1875	8	109.74	0.001	0.009	0.009	Free Surface	0.384	0.118	0.029	0.078	0.042	0.292	0.302	No	0.078	0.384			
01490	1875	1874	8	260.08	0.01	0.021	0.021	Free Surface	1.291	0.092	0.017	0.061	0.065	1.117	1.188	Yes	0.064	1.196			
01491	1874	1873	8	82.33	0.008	0.024	0.024	Free Surface	1.272	0.101	0.021	0.068	0.069	1.045	1.098	Yes	0.108	0.643			
01492	1873	963	8	126.01	0	0.026	0.026	Free Surface	0.442	0.228	0.114	0.152	0.073	0.238	0.232	No	0.152	0.442			
01493	1872	1871	8	211.46	0.03	0.004	0.004	Free Surface	1.125	0.03	0.002	0.02	0.026	1.699	2.114	Yes	0.031	0.606			
01494	1871	1870	8	178.16	0.006	0.007	0.007	Free Surface	0.785	0.062	0.008	0.041	0.037	0.83	0.93	Yes	0.044	0.711			
01495	1870	1869	8	402.08	0.008	0.011	0.011	Free Surface	0.972	0.07	0.01	0.047	0.046	0.961	1.059	No	0.047	0.972			
01496	1868	1867	8	223.54	0.006	0.007	0.007	Free Surface	0.812	0.06	0.007	0.04	0.037	0.868	0.976	Yes	0.045	0.686			
01497	1869	1867	8	140.69	0.029	0.014	0.014	Free Surface	1.688	0.059	0.007	0.039	0.053	1.828	2.063	Yes	0.045	1.396			
01498	1867	1866	8	174.32	0.032	0.025	0.025	Free Surface	2.065	0.075	0.011	0.05	0.071	1.978	2.16	Yes	0.069	1.291			
01499	1866	1865	8	215.74	0.004	0.028	0.028	Free Surface	1.037	0.131	0.037	0.088	0.075	0.745	0.761	Yes	0.09	1.003			
01500	1865	728	8	253.19	0.004	0.032	0.032	Free Surface	1.092	0.137	0.041	0.092	0.08	0.767	0.778	Yes	0.183	0.406			
01502	1895	1894	8	275.83	0.006	0.011	0.011	Free Surface	0.892	0.078	0.012	0.052	0.047	0.839	0.912	Yes	0.06	0.72			
01503	1894	1893	8	234.71	0.003	0.013	0.013	Free Surface	0.713	0.099	0.02	0.066	0.051	0.592	0.624	No	0.066	0.713			
01504	1893	1241	8	14.81	0.023	0.014	0.014	Free Surface	1.568	0.063	0.008	0.042	0.054	1.642	1.836	Yes	0.061	0.9			
01505	2912	1895	8	35.97	0.004	0.005	0.005	Free Surface	0.583	0.058	0.007	0.039	0.031	0.635	0.717	Yes	0.043	0.497			
01507	1584	1841	18	482.1	0.002	1.314	1.314	Free Surface	2.064	0.389	0.321	0.584	0.429	0.551	4.098	No	0.584	2.064			
01508	1841	1583	18	80.44	0.008	1.329	1.329	Free Surface	3.685	0.258	0.146	0.387	0.432	1.239	9.133	Yes	0.394	3.589			
01509	1655	1841	8	308.73	0.003	0.014	0.014	Free Surface	0.788	0.097	0.019	0.065	0.052	0.662	0.7	Yes	0.226	0.131			
01510	1902	1901	8	254.34	0.025	0.006	0.006	Free Surface	1.222	0.041	0.003	0.027	0.034	1.593	1.897	Yes	0.071	0.298			
01511	1903	1902	8	244.1	0.039	0.003	0.003	Free Surface	1.166	0.026	0.001	0.018	0.024	1.892	2.407	Yes	0.021	0.904			
01512	1909	1901	8	346.15	0.015	0.003	0.003	Free Surface	0.841	0.033	0.002	0.022	0.024	1.221	1.502	Yes	0.068	0.158			
01513	1908	1907	8	295.58	0.005	0.003	0.003	Free Surface	0.586	0.042	0.003	0.028	0.024	0.754	0.894	Yes	0.034	0.435			
01514	1904	1905	8	364	0.013	0.003	0.003	Free Surface	0.788	0.034	0.002	0.023	0.024	1.119	1.368	Yes	0.028	0.591			
01515	1905	1907	8	278.54	0.022	0.009	0.009	Free Surface	1.334	0.05	0.005	0.034	0.042	1.562	1.802	Yes	0.037	1.157			
01516	1907	1913	8	304.47	0.028	0.015	0.015	Free Surface	1.694	0.061	0.007	0.04	0.054	1.807	2.031	Yes	0.05	1.253			
01517	1912	1913	8	293.87	0.035	0.003	0.003	Free Surface	1.113	0.027	0.001	0.018	0.024	1.778	2.251	Yes	0.038	0.365			
01518	1901	1910	8	302.89	0.004	0.053	0.053	Free Surface	1.289	0.175	0.067	0.117	0.104	0.797	0.792	Yes	0.12	1.241			
01519	1911	1910	8	273.36	0.017	0.003	0.003	Free Surface	0.879	0.032	0.002	0.021	0.024	1.297	1.603	Yes	0.072	0.144			
01520	1910	1917	8	287.79	0.005	0.059	0.059	Free Surface	1.378	0.18	0.071	0.12	0.11	0.841	0.833	Yes	0.121	1.361			
01521	1917	1918	8	187.78	0.005	0.062	0.062	Free Surface	1.428	0.182	0.072	0.121	0.113	0.867	0.859	Yes	0.123	1.393			
01522	1918	732	8	162.06	0.005	0.065	0.065	Free Surface	1.474	0.183	0.073	0.122	0.115	0.891	0.881	No	0.122	1.474			
01523	1916	1915	8	297.88	0.008	0.003	0.003	Free Surface	0.666	0.038	0.003	0.026	0.024	0.893	1.073	No	0.026	0.666			
01524	1915	1914	8	288.21	0.036	0.006	0.006	Free Surface	1.397	0.037	0.003	0.025	0.034	1.906	2.301	Yes	0.048	0.529			
01525	1913	1914	8	299.06	0.013	0.021	0.021	Free Surface	1.439	0.085	0.015	0.057	0.065	1.292	1.388	Yes	0.064	1.212			
01526	1914	954	8	177.72	0.013	0.029	0.029	Free Surface	1.618	0.1	0.021	0.067	0.077	1.337	1.407	Yes	0.098	0.917			
01527	1906	1905	8	146.3	0.01	0.003	0.003	Free Surface	0.715	0.037	0.002	0.024	0.024	0.983	1.189	Yes	0.029	0.568			
01530	1945	1944	8	389.48	0.01	0.003	0.003	Free Surface	0.764	0.038	0.003	0.026	0.026	1.025	1.231	Yes	0.029	0.634			
01531	1922	1921	8	153.44	0.008	0.006	0.006	Free Surface	0.859	0.055	0.006	0.036	0.036	0.966	1.102	No	0.036	0.859			
01532	1921	1920	8	312.98	0.016	0.008	0.008	Free Surface	1.157	0.052	0.005	0.035	0.04	1.335	1.534	Yes	0.151	0.134			
01533	1936	1940	8	238.12	0.008	0.027	0.027	Free Surface	1.338	0.107	0.024	0.072	0.074	1.067	1.113	Yes	0.082	1.093			
01534	1943	1942	15	350.48	0.01	0.012	0.012	Free Surface	1.005	0.032	0.002	0.04	0.041	1.086	6.463	Yes	0.041	0.957			
01535	1942	1941	15	350.19	0.01	0.013	0.013	Free Surface	1.037	0.034	0.002	0.042	0.044	1.084	6.391	Yes	0.043	1.024			
01536	1941	1940	15	352.63	0.011	0.015	0.015	Free Surface	1.133	0.034	0.002	0.043	0.047	1.174	6.907	Yes	0.068	0.574			
01537	1927	1926	8	168.71	0.01	0.017	0.017	Free Surface	1.246	0.082	0.014	0.055	0.058	1.14	1.23	Yes	0.065	0.967			
01538	1946	1926	8	380.79	0.009	0.003	0.003	Free Surface	0.741	0.039	0.003	0.026	0.026	0.984	1.178	Yes	0.051	0.278			
01539	1,926.00	1947	8	325.31	0.005	0.024	0.024	Free Surface	1.092	0.113	0.027	0.075	0.069	0.849	0.881	No	0.075	1.092			
01540	1947	1940	8	319.09	0.014	0.027	0.027	Free Surface	1.595	0.095	0.019	0.064	0.074	1.352	1.431	Yes	0.078	1.177			
01541	1944	1619	8	257.55	0.015	0.007	0.007	Free Surface	1.076	0.049	0.005	0.032	0.037	1.283	1.488	Yes	0.037	0.873			
01542	1619	1943	15	271.3	0.008	0.01	0.01	Free Surface	0.907	0.031	0.002	0.039	0.038	0.995	5.951	Yes	0.039	0.887			
01543	1258	1257	8	80.45	0.008	0.002	0.002	Free Surface	0.578	0.029	0.002	0.02	0.018	0.89	1.114	Yes	0.032	0.276			
01544	2920	1631	8	346.95	0.007	0.357	0.357	Free Surface	2.706	0.403	0.342	0.269	0.277	1.062	1.043	Yes	0.273	2.649			
01545	1959	1957	15	452.81	0.017	0.413	0.413	Free Surface	3.58	0.15	0.049	0.187	0.25	1.754	8.501	Yes	0.237	2.554			
01546	2412	1960	15	445.21	0.011	0.406	0.406	Free Surface	3.028	0.166	0.06	0.208	0.248	1.405	6.746	Yes	0.213	2.926			
01547	1960	1959	15	448.38	0.009	0.41	0.41	Free Surface	2.853	0.174	0.066	0.218	0.249	1.292	6.178	No	0.218	2.853			
01548	1953	1954	21	303.29	0.004	0.017	0.017	Free Surface	0.76	0.031	0.002	0.054	0.046	0.7	9.697	Yes	0.069	0.539			
01549	1954	1957	21	224.77	0.002	0.034	0.034	Free Surface	0.816	0.047	0.004	0.083	0.064	0.61	7.93	Yes	0.184	0.249			
01550	1958	1954	8	27.14	0.366	0.013	0.013	Free Surface	4.025	0.032	0.002	0.021	0.052	5.932	7.329	Yes	0.052	1.071			
01551	1966	1802	8	269.49	0.032	0.01	0.01	Free Surface	1.58	0.05	0.005	0.033	0.045	1.865	2.157	Yes	0.042	1.092			
01552	772	771	8	261.9	0.021	0.003	0.003	Free Surface	0.961	0.032	0.002	0.021	0.026	1.41	1.74	Yes	0.025	0.744			
01553	1679	1678	8	97.04	0.008	0.006	0.006	Free Surface	0.837	0.056	0.006	0.037	0.036	0.93	1.058	Yes	0.039	0.773			
01554	1678	1677	8	347.45	0.009	0.009	0.009	Free Surface	0.955	0.062	0.008	0.041	0.042	1.007	1.128	No	0.041	0.955			
01555	1,677.00	1993	8	107.95	0.052	0.011	0.011	Free Surface	1.901	0.045	0.004	0.03	0.046	2.348	2.752	No	0.03	1.901			
01556	1984	1985	8	350.69	0.009	0.002	0.002	Free Surface	0.643	0.032	0.002	0.021	0.021	0.949	1.174	Yes	0.025	0.492			
01557	1985	1986	8	115.05	0.009	0.004	0.004	Free Surface	0.785	0.044	0.004	0.03	0.029	0.98	1.152	Yes	0.032	0.712			
01558	1986	1987	8	112.78	0.012	0.006	0.006	Free Surface	0.974	0.05	0.005	0.034	0.036	1.14	1.316	Yes	0.04	0.752			
01559	1987	1988	8	124.43	0.005	0.009	0.009	Free Surface	0.805	0.07	0.01	0.046	0.042	0.8	0.882	Yes	0.052	0.691			
01560	1,988.00	1989	8	105.34	0.004	0.011	0.011	Free Surface	0.753	0.085	0.015	0.057	0.046	0.677	0.728	No	0.057	0.753			
01561	1989	1990	8	169.92	0.014	0.013	0.013	Free Surface	1.264	0.068	0.009	0.045	0.051	1.276	1.413	No	0.045	1.264			
01562	1993	1990	8	194.34	0.098	0.013	0.013	Free Surface	2.507	0.043	0.003	0.028	0.051	3.198	3.783	Yes	0.035	1.867			
01563	1990	1991	8	95.45	0.097	0.028	0.028	Free Surface	3.165	0.061	0.007	0.041	0.075	3.359	3.77	Yes	0.043	2.938			
01564	1991	1992	8	149.12	0.074	0.03	0.03	Free Surface	2.947	0.068	0.009	0.045	0.078	2.975	3.294	Yes	0.054	2.258			
01565	1,682.00	1683	8	154.32	0.035	0.002	0.002	Free Surface	1.017	0.023	0.001	0.016	0.021	1.752	2.272	No	0.016	1.02			
01566	1683	1684	8	158.7	0.064	0.004	0.004	Free Surface	1.547	0.028	0.001	0.019	0.029	2.43	3.061	No	0.019	1.547			
01567	1684	1685	8	75.91	0.132	0.006	0.006	Free Surface	2.256	0.029	0.001	0.019	0.036	3.51	4.409	Yes	0.023	1.771			
01568	1685	1686	8	83.8	0.132	0.009	0.009	Free Surface	2.463	0.033	0.002	0.022	0.042	3.582	4.408	Yes	0.026	1.877			
01569	1686	1687	8	196.05	0.049	0.011	0.011	Free Surface	1.866	0.046	0.004	0.031	0.046	2.29	2.679	Yes	0.035	1.548			
01570	1688	1687	8	201.43	0.057	0.002	0.002	Free Surface	1.203	0.021	0.001	0.014	0.021	2.193	2.894	Yes	0.026	0.466			
01571	1689	1690	8	134.72	0.094	0.002	0.002	Free Surface	1.428	0.019	0.001	0.012	0.021	2.757	3.705	Yes	0.025	0.513			
01572	1687	1690	8	235.65	0.049	0.015	0.015	Free Surface	2.07	0.054	0.006	0.036	0.055	2.347	2.683	Yes	0.036	2.021			
01573	1690	1692	8	160.78	0.063	0.019	0.019	Free Surface	2.439	0.057	0.006	0.038	0.063	2.684	3.044	Yes	0.043	2.039			
01574	1691	1692	8	205.67	0.05	0.002	0.002	Free Surface	1.151	0.022	0.001	0.014	0.021	2.068	2.715	Yes	0.031	0.365			
01575	1692	1693	8	272.55	0.033	0.024	0.024	Free Surface	2.061	0.073	0.011	0.049	0.069	1.999	2.19	No	0.049	2.061			
01576	1,693.00	2513	8	184.53	0.069	0.026	0.026	Free Surface	2.749	0.064	0.008	0.043	0.072	2.857	3.189	Yes	0.044	2.625			
01577	2513	2511	8	221.44	0.069	0.028	0.028	Free Surface	2.811	0.066	0.009	0.044	0.075	2.864	3.179	Yes	0.046	2.645			
01578	2511	2509	8	136.29	0.059	0.037	0.037	Free Surface	2.898	0.078	0.012	0.052	0.086	2.72	2.955	No	0.052	2.898			
01579	2509	2510	8	115.24	0.058	0.039	0.039	Free Surface	2.924	0.081	0.013	0.054	0.089	2.699	2.919	Yes	0.054	2.923			
01580	2510	1694	8	77.22	0.065	0.041	0.041	Free Surface	3.086	0.081	0.013	0.054	0.091	2.849	3.081	Yes	0.069	2.149			
01581	1694	1044	8	156.32	0.022	0.058	0.058	Free Surface	2.37	0.123	0.032	0.082	0.109	1.766	1.815	No	0.082	2.37			
01582	1697	1698	8	125.66	0.024	0.002	0.002	Free Surface	0.891	0.026	0.001	0.017	0.021	1.469	1.878	Yes	0.019	0.766			
01583	1698	2512	8	136.63	0.028	0.004	0.004	Free Surface	1.163	0.034	0.002	0.023	0.029	1.66	2.03	No	0.023	1.163			
01584	2512	2511	8	232.41	0.04	0.006	0.006	Free Surface	1.489	0.038	0.003	0.025	0.036	2.013	2.423	Yes	0.037	0.858			
01585	1696	1695	8	111.62	0.079	0.002	0.002	Free Surface	1.347	0.019	0.001	0.013	0.021	2.551	3.406	Yes	0.017	0.901			
01586	1695	1047	8	222.16	0.077	0.004	0.004	Free Surface	1.654	0.027	0.001	0.018	0.029	2.658	3.372	No	0.018	1.654			
01587	1048	1694	8	296.85	0.024	0.013	0.013	Free Surface	1.541	0.059	0.007	0.039	0.051	1.666	1.879	Yes	0.062	0.798			
01588	1932	1933	8	340.02	0.008	0.003	0.003	Free Surface	0.693	0.041	0.003	0.027	0.026	0.899	1.07	Yes	0.031	0.565			
01589	1,933.00	1934	8	320.3	0.01	0.007	0.007	Free Surface	0.944	0.053	0.005	0.035	0.037	1.075	1.232	Yes	0.039	0.813			
01590	1934	1935	8	333.12	0.01	0.01	0.01	Free Surface	1.066	0.064	0.008	0.043	0.045	1.103	1.229	Yes	0.044	1.045			
01591	1,935.00	1936	8	326.07	0.016	0.014	0.014	Free Surface	1.367	0.066	0.009	0.044	0.052	1.395	1.549	Yes	0.058	0.915			
01592	1939	1938	8	405.12	0.011	0.003	0.003	Free Surface	0.772	0.038	0.003	0.025	0.026	1.04	1.251	Yes	0.031	0.585			
01593	1938	1937	8	405.03	0.01	0.007	0.007	Free Surface	0.926	0.054	0.006	0.036	0.037	1.049	1.2	Yes	0.038	0.851			

01594	1931	1930	8	328.49	0.008	0.003	0.003	Free Surface	0.704	0.041	0.003	0.027	0.026	0.919	1.094	Yes	0.032	0.557			
01595	1930	1929	8	331.61	0.009	0.007	0.007	Free Surface	0.911	0.054	0.006	0.036	0.037	1.026	1.171	Yes	0.041	0.758			
01596	1,929.00	1928	8	330.14	0.008	0.01	0.01	Free Surface	0.966	0.069	0.009	0.046	0.045	0.966	1.067	Yes	0.05	0.861			
01597	1937	1936	8	338.44	0.014	0.01	0.01	Free Surface	1.178	0.06	0.007	0.04	0.045	1.261	1.419	Yes	0.056	0.723			
01598	1928	1927	8	215.79	0.007	0.014	0.014	Free Surface	1.033	0.08	0.013	0.053	0.052	0.958	1.037	Yes	0.054	1.014			
01599	1898	1897	8	399.43	0.005	0.002	0.002	Free Surface	0.485	0.032	0.002	0.021	0.018	0.719	0.89	Yes	0.028	0.325			
01600	1897	1896	8	386.98	0.005	0.003	0.003	Free Surface	0.6	0.044	0.004	0.029	0.025	0.756	0.891	Yes	0.032	0.518			
01601	1896	1895	8	215.86	0.01	0.005	0.005	Free Surface	0.855	0.045	0.004	0.03	0.031	1.058	1.241	Yes	0.039	0.583			
01602	1476	1241	8	400.65	0.005	0.005	0.005	Free Surface	0.645	0.055	0.006	0.036	0.031	0.725	0.828	Yes	0.058	0.321			
01603	1626	2382	8	246.77	0.004	0.011	0.011	Free Surface	0.819	0.082	0.014	0.055	0.047	0.749	0.807	Yes	0.073	0.536			
01604	1625	1626	8	251.29	0.005	0.01	0.01	Free Surface	0.811	0.075	0.011	0.05	0.044	0.779	0.851	Yes	0.052	0.753			
01605	1624	1625	8	279.97	0.004	0.008	0.008	Free Surface	0.705	0.073	0.011	0.048	0.04	0.687	0.753	Yes	0.05	0.668			
01606	1623	1624	8	236.88	0.006	0.006	0.006	Free Surface	0.773	0.059	0.007	0.039	0.036	0.838	0.947	Yes	0.042	0.697			
01607	1627	1623	8	338.27	0.018	0.002	0.002	Free Surface	0.741	0.024	0.001	0.016	0.018	1.269	1.641	Yes	0.026	0.357			
01608	1622	1623	8	387.01	0.01	0.003	0.003	Free Surface	0.748	0.038	0.003	0.025	0.025	1.016	1.225	Yes	0.03	0.559			
01609	1477	1478	8	274.69	0.005	0.002	0.002	Free Surface	0.48	0.032	0.002	0.021	0.018	0.709	0.876	Yes	0.023	0.42			
01610	1478	1476	8	399.81	0.005	0.003	0.003	Free Surface	0.596	0.044	0.004	0.029	0.025	0.75	0.883	Yes	0.035	0.452			
01611	1621	1622	8	322.83	0.011	0.002	0.002	Free Surface	0.629	0.027	0.001	0.018	0.018	1.019	1.296	Yes	0.022	0.449			
01612	1925	1924	8	176.18	0.013	0.002	0.002	Free Surface	0.658	0.026	0.001	0.017	0.018	1.081	1.381	Yes	0.021	0.472			
01613	1924	1923	8	154.81	0.009	0.003	0.003	Free Surface	0.719	0.039	0.003	0.026	0.025	0.963	1.156	Yes	0.029	0.606			
01614	1923	1922	8	212.56	0.008	0.005	0.005	Free Surface	0.779	0.048	0.004	0.032	0.031	0.935	1.087	Yes	0.034	0.706			
01615	1553	2474	10	336.33	0.003	0.029	0.029	Free Surface	0.908	0.108	0.024	0.09	0.072	0.646	1.177	Yes	0.143	0.462			
01616	2475	2474	8	400.27	0.069	0.053	0.053	Free Surface	3.407	0.09	0.017	0.06	0.104	2.98	3.18	Yes	0.128	1.127			
01617	2474	1635	8	401.35	0.005	0.168	0.168	Free Surface	1.908	0.299	0.195	0.2	0.188	0.887	0.859	No	0.2	1.908			
01619	1554	1553	10	115.2	0.02	0.026	0.026	Free Surface	1.733	0.065	0.009	0.055	0.069	1.59	3.09	Yes	0.072	1.149			
01620	1556	1557	8	301.08	0.041	0.022	0.022	Free Surface	2.171	0.066	0.009	0.044	0.066	2.212	2.455	No	0.044	2.171			
01621	2623	1556	8	347.98	0.073	0.019	0.019	Free Surface	2.553	0.055	0.006	0.037	0.062	2.863	3.264	Yes	0.042	2.056			
01622	1555	2623	8	133.2	0.031	0.002	0.002	Free Surface	1.012	0.025	0.001	0.017	0.022	1.678	2.149	Yes	0.027	0.513			
01623	2624	2623	8	290.93	0.009	0.014	0.014	Free Surface	1.128	0.079	0.013	0.052	0.054	1.055	1.145	No	0.052	1.128			
01624	1565	1564	8	265.37	0.022	0.026	0.026	Free Surface	1.864	0.084	0.015	0.056	0.073	1.683	1.809	No	0.056	1.864			
01625	1558	1552	8	250.2	0.037	0.043	0.043	Free Surface	2.577	0.095	0.019	0.063	0.094	2.193	2.324	Yes	0.075	1.982			
01626	1552	1551	8	192.02	0.011	0.045	0.045	Free Surface	1.73	0.129	0.035	0.086	0.096	1.257	1.285	No	0.086	1.73			
01627	1,642.00	1558	8	314.33	0.037	0.002	0.002	Free Surface	1.068	0.024	0.001	0.016	0.022	1.803	2.323	Yes	0.042	0.262			
01628	1636	2475	8	400.64	0.04	0.05	0.05	Free Surface	2.783	0.1	0.021	0.066	0.101	2.306	2.428	No	0.066	2.783			
01629	1551	1636	8	399.22	0.049	0.048	0.048	Free Surface	2.944	0.093	0.018	0.062	0.099	2.53	2.687	Yes	0.062	2.924			
01630	1559	1560	8	322.37	0.083	0.007	0.007	Free Surface	1.987	0.034	0.002	0.022	0.038	2.855	3.5	Yes	0.024	1.849			
01631	1563	1559	8	106.68	0.006	0.005	0.005	Free Surface	0.689	0.052	0.005	0.035	0.031	0.793	0.91	No	0.035	0.689			
01632	1562	1563	8	148.81	0.01	0.002	0.002	Free Surface	0.675	0.033	0.002	0.022	0.022	0.976	1.199	Yes	0.028	0.487			
01633	1560	1558	8	115.02	0.073	0.01	0.01	Free Surface	2.073	0.04	0.003	0.026	0.044	2.742	3.279	Yes	0.047	0.886			
01634	1567	1565	8	400.73	0.044	0.022	0.022	Free Surface	2.23	0.065	0.008	0.043	0.066	2.294	2.553	Yes	0.051	1.759			
01635	1568	1567	8	229.56	0.004	0.019	0.019	Free Surface	0.962	0.106	0.024	0.071	0.062	0.77	0.804	No	0.071	0.962			
01636	1561	1568	8	149.78	0.03	0.017	0.017	Free Surface	1.792	0.064	0.008	0.042	0.058	1.864	2.081	Yes	0.056	1.182			
01637	1569	1561	8	224.26	0.007	0.014	0.014	Free Surface	1.061	0.082	0.014	0.055	0.054	0.971	1.048	No	0.055	1.061			
01638	1573	1569	8	163.13	0.086	0.005	0.005	Free Surface	1.776	0.028	0.001	0.018	0.031	2.817	3.56	Yes	0.037	0.625			
01639	1574	1573	8	147.65	0.097	0.002	0.002	Free Surface	1.497	0.019	0.001	0.013	0.022	2.831	3.779	Yes	0.014	1.316			
01640	1570	1569	8	165.53	0.006	0.007	0.007	Free Surface	0.806	0.062	0.008	0.041	0.038	0.853	0.956	Yes	0.049	0.631			
01641	1566	1565	8	194.66	0.044	0.002	0.002	Free Surface	1.139	0.023	0.001	0.016	0.022	1.965	2.548	Yes	0.037	0.313			
01642	1498	1494	8	120.8	0.063	0.007	0.007	Free Surface	1.823	0.037	0.002	0.024	0.039	2.509	3.037	Yes	0.065	0.426			
01643	1497	1498	8	239.78	0.032	0.004	0.004	Free Surface	1.166	0.031	0.002	0.021	0.027	1.744	2.164	Yes	0.022	1.078			
01645	1493	1494	8	180.66	0.023	0.075	0.075	Free Surface	2.587	0.137	0.041	0.092	0.124	1.817	1.845	Yes	0.099	2.321			
01646	1492	1493	8	142.44	0.007	0.071	0.071	Free Surface	1.688	0.178	0.069	0.119	0.121	1.035	1.027	No	0.119	1.688			
01647	1494	1479	8	293.82	0.034	0.123	0.123	Free Surface	3.449	0.159	0.055	0.106	0.16	2.244	2.246	Yes	0.11	3.265			
01648	1479	1480	8	259.46	0.026	0.127	0.127	Free Surface	3.148	0.173	0.065	0.115	0.163	1.961	1.948	Yes	0.118	3.054			
01649	1480	1481	8	321.1	0.022	0.131	0.131	Free Surface	3.005	0.182	0.073	0.122	0.165	1.82	1.802	Yes	0.126	2.85			
01650	1481	1482	8	320.09	0.017	0.135	0.135	Free Surface	2.765	0.197	0.085	0.131	0.168	1.609	1.583	Yes	0.133	2.718			
01651	1764	1494	8	383.67	0.005	0.037	0.037	Free Surface	1.213	0.144	0.044	0.096	0.087	0.832	0.841	Yes	0.101	1.126			
01652	1504	1500	8	240.75	0.009	0.004	0.004	Free Surface	0.752	0.042	0.003	0.028	0.027	0.97	1.151	Yes	0.047	0.339			
01653	1500	1491	8	112.76	0.012	0.026	0.026	Free Surface	1.482	0.098	0.02	0.065	0.073	1.238	1.305	Yes	0.089	0.94			
01654	1501	1500	8	302.04	0.031	0.019	0.019	Free Surface	1.889	0.066	0.009	0.044	0.061	1.927	2.14	Yes	0.056	1.341			
01655	1,502.00	1501	8	294.07	0.047	0.011	0.011	Free Surface	1.867	0.047	0.004	0.032	0.048	2.258	2.63	Yes	0.037	1.488			
01656	1499	1492	8	314.55	0.034	0.004	0.004	Free Surface	1.194	0.031	0.002	0.02	0.027	1.8	2.24	Yes	0.071	0.189			
01658	1503	1502	8	120.18	0.126	0.004	0.004	Free Surface	1.876	0.023	0.001	0.015	0.027	3.295	4.297	Yes	0.025	0.89			
01659	1491	1492	8	220.63	0.007	0.064	0.064	Free Surface	1.595	0.171	0.064	0.114	0.114	0.998	0.993	Yes	0.118	1.533			
01660	1495	1496	8	249.07	0.071	0.004	0.004	Free Surface	1.54	0.026	0.001	0.017	0.027	2.531	3.234	Yes	0.024	0.944			
01661	1496	1764	8	264.07	0.042	0.007	0.007	Free Surface	1.586	0.04	0.003	0.027	0.039	2.083	2.486	Yes	0.059	0.492			
01662	1767	1768	8	328.91	0.089	0.004	0.004	Free Surface	1.663	0.024	0.001	0.016	0.027	2.804	3.611	Yes	0.025	0.893			
01663	1768	1763	8	190.41	0.033	0.007	0.007	Free Surface	1.464	0.042	0.003	0.028	0.039	1.871	2.215	Yes	0.046	0.707			
01665	1765	1763	8	285.04	0.006	0.011	0.011	Free Surface	0.89	0.078	0.012	0.052	0.048	0.835	0.906	Yes	0.058	0.757			
01666	1763	1483	8	201.14	0.007	0.022	0.022	Free Surface	1.185	0.103	0.022	0.069	0.067	0.965	1.012	Yes	0.074	1.057			
01667	1482	1540	8	359.76	0.018	0.138	0.138	Free Surface	2.83	0.198	0.086	0.132	0.17	1.644	1.617	Yes	0.666	0.396			
01668	1486	1487	8	242.45	0.003	0.004	0.004	Free Surface	0.513	0.054	0.006	0.036	0.027	0.582	0.665	Yes	0.046	0.358			
01669	1487	1488	8	152.38	0.008	0.015	0.015	Free Surface	1.081	0.083	0.014	0.055	0.055	0.982	1.058	Yes	0.065	0.859			
01670	1,648.00	1487	8	241.2	0.004	0.007	0.007	Free Surface	0.693	0.07	0.01	0.047	0.039	0.687	0.756	Yes	0.051	0.606			
01671	1488	1489	8	228.88	0.004	0.019	0.019	Free Surface	0.914	0.108	0.025	0.072	0.061	0.725	0.756	Yes	0.078	0.814			
01672	1506	1489	8	128.7	0.006	0.007	0.007	Free Surface	0.826	0.062	0.008	0.042	0.039	0.869	0.973	Yes	0.063	0.449			
01673	1505	1506	8	300.54	0.008	0.004	0.004	Free Surface	0.723	0.043	0.003	0.029	0.027	0.92	1.088	Yes	0.037	0.482			
01674	1489	1490	8	205.71	0.005	0.03	0.03	Free Surface	1.172	0.126	0.034	0.084	0.078	0.86	0.881	No	0.084	1.172			
01675	1490	1491	8	302.11	0.008	0.034	0.034	Free Surface	1.408	0.121	0.031	0.08	0.083	1.057	1.089	Yes	0.097	1.075			
01676	1507	1648	8	226.55	0.023	0.004	0.004	Free Surface	1.037	0.034	0.002	0.022	0.027	1.492	1.83	Yes	0.033	0.587			
01677	1508	1511	8	294.58	0.004	0.068	0.068	Free Surface	1.407	0.196	0.084	0.131	0.118	0.82	0.808	No	0.131	1.407			
01678	1509	1508	8	312.9	0.034	0.027	0.027	Free Surface	2.171	0.078	0.012	0.052	0.074	2.041	2.218	Yes	0.091	0.946			
01679	1510	1509	8	246.24	0.055	0.02	0.02	Free Surface	2.363	0.06	0.007	0.04	0.064	2.526	2.841	Yes	0.046	1.935			
01680	1525	1510	8	249.66	0.042	0.003	0.003	Free Surface	1.243	0.028	0.001	0.019	0.026	1.961	2.474	Yes	0.029	0.634			
01681	1,514.00	1509	8	227.41	0.017	0.003	0.003	Free Surface	0.909	0.034	0.002	0.023	0.026	1.29	1.576	Yes	0.037	0.439			
01682	1,516.00	1539	8	220.97	0.036	0.014	0.014	Free Surface	1.802	0.055	0.006	0.037	0.052	2.017	2.298	Yes	0.037	1.786			
01683	1512	1516	8	146.54	0.042	0.01	0.01	Free Surface	1.737	0.047	0.004	0.031	0.045	2.117	2.471	Yes	0.032	1.66			
01684	1515	1512	8	307.84	0.027	0.007	0.007	Free Surface	1.323	0.043	0.003	0.028	0.037	1.686	1.995	No	0.028	1.323			
01685	1513	1515	8	232.31	0.005	0.003	0.003	Free Surface	0.594	0.046	0.004	0.031	0.026	0.73	0.855	No	0.031	0.594			
01687	1518	1519	8	324.33	0.035	0.078	0.078	Free Surface	3.031	0.127	0.034	0.085	0.127	2.216	2.269	Yes	0.118	1.874			
01688	1517	1511	8	94.46	0.036	0.003	0.003	Free Surface	1.176	0.029	0.001	0.019	0.026	1.821	2.285	Yes	0.068	0.182			
01689	1484	1536	8	279.95	0.005	0.105	0.105	Free Surface	1.678	0.236	0.122	0.157	0.148	0.888	0.865	Yes	0.162	1.612			
01690	1485	1484	8	286.95	0.008	0.085	0.085	Free Surface	1.882	0.187	0.077	0.125	0.132	1.125	1.111	Yes	0.143	1.549			
01691	1,539.00	1484	8	153.57	0.042	0.017	0.017	Free Surface	2.032	0.059	0.007	0.039	0.059	2.195	2.476	Yes	0.1	0.516			
01692	1522	1521	8	132.39	0.03	0.054	0.054	Free Surface	2.571	0.111	0.026	0.074	0.106	2.015	2.094	Yes	0.084	2.119			
01693	1523	1522	8	94.63	0.009	0.024	0.024	Free Surface	1.31	0.102	0.022	0.068	0.07	1.072	1.126	Yes	0.069	1.269			
01694	1524	1523	8	125.34	0.006	0.021	0.021	Free Surface	1.078	0.105	0.023	0.07	0.065	0.869	0.909	No	0.07	1.078			
01695	1526	1524	8	161.14	0.055	0.018	0.018	Free Surface	2.266	0.056	0.006	0.038	0.06	2.508	2.848	Yes	0.052	1.405			
01696	1,521.00	1800	8	117.44	0.01	0.058	0.058	Free Surface	1.797	0.148	0.047	0.099	0.109	1.215	1.225	No	0.099	1.797			
01697	1520	1536	8	400.37	0.037	0.071	0.071	Free Surface	3.012	0.12	0.031	0.08	0.121	2.269	2.338	Yes	0.123	1.611			
01698	1528	1520	8	143.68	0.034	0.068	0.068	Free Surface	2.873	0.12	0.03	0.08	0.118	2.165	2.231	Yes	0.081	2.796			
01699	1527	1528	8	244.01	0.05	0.065	0.065	Free Surface	3.239	0.107	0.024	0.071	0.115	2.593	2.708	Yes	0.073	3.085			
01700	1800	1527	8	245.85	0.078	0.061	0.061	Free Surface	3.717	0.094	0.018	0.062	0.112	3.18	3.375	Yes	0.068	3.276			

01701	1536	1534	8	280.05	0.011	0.18	0.18	Free Surface	2.579	0.254	0.142	0.169	0.195	1.31	1.273	Yes	0.172	2.523			
01702	1534	1533	8	211.06	0.011	0.19	0.19	Free Surface	2.606	0.262	0.151	0.175	0.2	1.301	1.263	Yes	0.177	2.556			
01703	1533	1532	8	270.88	0.011	0.194	0.194	Free Surface	2.602	0.266	0.155	0.177	0.202	1.29	1.251	Yes	0.188	2.395			
01704	1529	1534	8	303.52	0.04	0.007	0.007	Free Surface	1.518	0.039	0.003	0.026	0.037	2.027	2.432	Yes	0.1	0.206			
01705	1532	1784	8	279.93	0.011	0.245	0.245	Free Surface	2.79	0.299	0.195	0.2	0.228	1.297	1.256	Yes	0.217	2.484			
01706	1535	1531	8	261.58	0.019	0.003	0.003	Free Surface	0.939	0.034	0.002	0.022	0.026	1.348	1.652	Yes	0.048	0.307			
01707	1772	1531	8	315.08	0.042	0.041	0.041	Free Surface	2.645	0.089	0.017	0.06	0.091	2.315	2.47	Yes	0.066	2.266			
01708	1773	1772	8	154.94	0.02	0.007	0.007	Free Surface	1.194	0.046	0.004	0.03	0.037	1.47	1.722	Yes	0.044	0.682			
01709	1796	1773	8	102.33	0.021	0.003	0.003	Free Surface	0.972	0.033	0.002	0.022	0.026	1.412	1.737	Yes	0.028	0.678			
01710	1771	1772	8	254.08	0.048	0.031	0.031	Free Surface	2.543	0.076	0.012	0.05	0.079	2.425	2.645	Yes	0.054	2.274			
01711	1774	1771	8	196.11	0.079	0.003	0.003	Free Surface	1.551	0.024	0.001	0.016	0.026	2.638	3.407	Yes	0.032	0.559			
01712	1770	1771	8	266.35	0.049	0.024	0.024	Free Surface	2.377	0.067	0.009	0.045	0.069	2.415	2.678	Yes	0.046	2.26			
01713	1779	1770	8	305.12	0.024	0.014	0.014	Free Surface	1.564	0.061	0.007	0.04	0.052	1.667	1.874	Yes	0.042	1.483			
01714	1778	1779	8	79.08	0.02	0.01	0.01	Free Surface	1.339	0.056	0.006	0.037	0.045	1.493	1.7	No	0.037	1.339			
01715	1777	1778	8	172.61	0.037	0.007	0.007	Free Surface	1.476	0.04	0.003	0.026	0.037	1.953	2.336	Yes	0.03	1.231			
01716	1,776.00	1777	8	120.22	0.034	0.003	0.003	Free Surface	1.153	0.029	0.002	0.02	0.026	1.775	2.222	Yes	0.024	0.843			
01717	1769	1770	8	393.34	0.042	0.007	0.007	Free Surface	1.542	0.038	0.003	0.026	0.037	2.072	2.49	Yes	0.035	0.99			
01718	1775	1769	8	152.26	0.02	0.003	0.003	Free Surface	0.965	0.033	0.002	0.022	0.026	1.398	1.718	Yes	0.025	0.805			
01719	1531	1532	8	305.14	0.031	0.048	0.048	Free Surface	2.508	0.103	0.022	0.069	0.099	2.042	2.141	Yes	0.134	0.952			
01720	1785	1784	8	366.62	0.032	0.007	0.007	Free Surface	1.394	0.041	0.003	0.027	0.037	1.809	2.151	Yes	0.131	0.14			
01721	1786	1785	8	390.49	0.061	0.003	0.003	Free Surface	1.417	0.026	0.001	0.017	0.026	2.338	2.991	Yes	0.02	1.113			
01722	1781	1788	8	111.83	0.039	0.014	0.014	Free Surface	1.847	0.054	0.006	0.036	0.052	2.085	2.38	No	0.036	1.847			
01723	1789	1781	8	109.31	0.01	0.003	0.003	Free Surface	0.747	0.039	0.003	0.026	0.026	0.993	1.189	Yes	0.032	0.542			
01724	1780	1781	8	249.78	0.04	0.007	0.007	Free Surface	1.511	0.039	0.003	0.026	0.037	2.016	2.417	Yes	0.032	1.089			
01725	1787	1780	8	269.19	0.022	0.003	0.003	Free Surface	0.989	0.033	0.002	0.022	0.026	1.445	1.781	Yes	0.026	0.753			
01726	1782	1783	8	376.71	0.009	0.02	0.02	Free Surface	1.238	0.094	0.018	0.062	0.064	1.059	1.124	No	0.062	1.238			
01727	1788	1782	8	137.8	0.061	0.017	0.017	Free Surface	2.318	0.054	0.006	0.036	0.059	2.62	2.993	Yes	0.049	1.485			
01728	1783	1784	8	106.93	0.02	0.024	0.024	Free Surface	1.747	0.082	0.014	0.055	0.069	1.597	1.722	Yes	0.145	0.426			
01729	1791	1792	8	70.23	0.016	0.004	0.004	Free Surface	0.898	0.036	0.002	0.024	0.027	1.246	1.511	Yes	0.029	0.693			
01730	1651	1797	8	396.67	0.022	0.025	0.025	Free Surface	1.818	0.083	0.014	0.055	0.071	1.652	1.779	Yes	0.057	1.724			
01731	1794	1651	8	130.08	0.042	0.004	0.004	Free Surface	1.268	0.029	0.001	0.019	0.027	1.978	2.487	Yes	0.038	0.46			
01732	1790	1651	8	267.72	0.021	0.018	0.018	Free Surface	1.64	0.071	0.01	0.047	0.06	1.615	1.776	Yes	0.052	1.436			
01733	1793	1790	8	217.02	0.049	0.014	0.014	Free Surface	2.037	0.053	0.005	0.035	0.054	2.332	2.674	Yes	0.04	1.652			
01734	1792	1793	8	200.84	0.052	0.011	0.011	Free Surface	1.905	0.045	0.004	0.03	0.047	2.35	2.754	Yes	0.031	1.834			
01735	1350	1349	8	343.72	0.008	0.054	0.054	Free Surface	1.609	0.152	0.05	0.101	0.105	1.071	1.077	No	0.101	1.609			
01736	1351	1350	8	267.32	0.003	0.032	0.032	Free Surface	0.988	0.15	0.048	0.1	0.081	0.664	0.668	Yes	0.102	0.958			
01737	1352	1350	8	297.1	0.021	0.018	0.018	Free Surface	1.617	0.072	0.01	0.048	0.06	1.585	1.741	Yes	0.076	0.817			
01739	1797	1351	8	231.83	0.021	0.029	0.029	Free Surface	1.872	0.089	0.016	0.059	0.076	1.64	1.751	Yes	0.58	0.089			
01741	1639	1352	8	286.6	0.012	0.014	0.014	Free Surface	1.246	0.073	0.011	0.049	0.054	1.206	1.32	No	0.049	1.246			
01742	1353	1349	8	219.03	0.026	0.004	0.004	Free Surface	1.067	0.032	0.002	0.021	0.027	1.57	1.938	Yes	0.057	0.248			
01743	1,355.00	1798	8	93.22	0.01	0.007	0.007	Free Surface	0.95	0.055	0.006	0.037	0.038	1.063	1.21	Yes	0.046	0.67			
01744	1798	1639	8	352.41	0.004	0.011	0.011	Free Surface	0.764	0.084	0.015	0.056	0.047	0.69	0.742	No	0.056	0.764			
01745	1348	1343	8	166.96	0.007	0.068	0.068	Free Surface	1.641	0.177	0.068	0.118	0.119	1.01	1.003	Yes	0.163	1.031			
01746	1354	1348	8	166.62	0.021	0.004	0.004	Free Surface	0.99	0.034	0.002	0.022	0.027	1.42	1.74	Yes	0.069	0.189			
01747	1349	1348	8	248.18	0.012	0.061	0.061	Free Surface	1.933	0.146	0.046	0.097	0.112	1.315	1.327	Yes	0.106	1.703			
01748	1385	1801	8	211.99	0.011	0.337	0.337	Free Surface	3.069	0.352	0.266	0.235	0.269	1.303	1.267	Yes	0.267	2.572			
01749	1392	1385	8	170.17	0.006	0.024	0.024	Free Surface	1.151	0.109	0.025	0.073	0.069	0.91	0.947	Yes	0.154	0.39			
01750	1386	1385	8	114.88	0.007	0.309	0.309	Free Surface	2.603	0.373	0.297	0.249	0.258	1.069	1.043	No	0.249	2.603			
01751	1390	1391	8	403	0.003	0.017	0.017	Free Surface	0.785	0.113	0.027	0.075	0.059	0.611	0.634	No	0.075	0.785			
01752	1389	1390	8	300.2	0.022	0.01	0.01	Free Surface	1.383	0.054	0.006	0.036	0.045	1.56	1.781	Yes	0.054	0.766			
01753	1,388.00	1389	8	340.85	0.029	0.003	0.003	Free Surface	1.096	0.03	0.002	0.02	0.026	1.658	2.065	Yes	0.027	0.714			
01754	1394	1389	8	156.29	0.009	0.003	0.003	Free Surface	0.728	0.04	0.003	0.027	0.026	0.959	1.146	Yes	0.03	0.605			
01755	1393	1390	8	152.79	0.012	0.003	0.003	Free Surface	0.802	0.037	0.003	0.025	0.026	1.092	1.317	Yes	0.048	0.301			
01756	2628	1386	8	395.72	0.027	0.306	0.306	Free Surface	4.11	0.266	0.155	0.177	0.256	2.037	1.977	Yes	0.215	3.154			
01757	2627	2628	8	387.78	0.019	0.303	0.303	Free Surface	3.624	0.289	0.182	0.192	0.255	1.718	1.665	No	0.192	3.624			
01758	1391	1392	8	120.74	0.007	0.02	0.02	Free Surface	1.175	0.097	0.02	0.065	0.064	0.987	1.043	Yes	0.071	1.027			
01759	1387	2627	8	213.14	0.009	0.003	0.003	Free Surface	0.734	0.04	0.003	0.026	0.026	0.969	1.159	Yes	0.109	0.091			
01760	1863	2627	8	154.21	0.005	0.014	0.014	Free Surface	0.898	0.088	0.016	0.059	0.052	0.791	0.845	Yes	0.126	0.298			
01761	1409	1408	8	243.75	0.113	0.003	0.003	Free Surface	1.755	0.022	0.001	0.015	0.026	3.112	4.07	Yes	0.03	0.598			
01762	1637	1421	8	257.65	0.006	0.004	0.004	Free Surface	0.671	0.051	0.005	0.034	0.03	0.784	0.904	Yes	0.035	0.644			
01763	1421	2568	8	250.86	0.009	0.008	0.008	Free Surface	0.94	0.06	0.007	0.04	0.04	1.005	1.131	Yes	0.074	0.386			
01764	1414	1415	8	300.42	0.005	0.004	0.004	Free Surface	0.598	0.048	0.004	0.032	0.027	0.718	0.835	Yes	0.037	0.482			
01765	1,420.00	2568	8	275.22	0.005	0.04	0.04	Free Surface	1.271	0.146	0.046	0.098	0.091	0.864	0.872	Yes	0.102	1.187			
01766	1419	1420	8	265.78	0.004	0.033	0.033	Free Surface	1.071	0.143	0.044	0.096	0.082	0.736	0.744	Yes	0.098	1.035			
01767	1418	1419	8	269.99	0.005	0.026	0.026	Free Surface	1.12	0.117	0.029	0.078	0.072	0.855	0.883	Yes	0.089	0.927			
01768	1417	1418	8	275.2	0.006	0.018	0.018	Free Surface	1.059	0.097	0.019	0.064	0.061	0.891	0.942	Yes	0.073	0.883			
01769	1416	1417	8	255.14	0.007	0.011	0.011	Free Surface	0.959	0.073	0.011	0.049	0.047	0.93	1.019	Yes	0.054	0.821			
01770	1422	1420	8	385.87	0.007	0.004	0.004	Free Surface	0.675	0.044	0.004	0.029	0.027	0.846	0.995	Yes	0.065	0.21			
01771	1423	1419	8	372.58	0.005	0.004	0.004	Free Surface	0.607	0.047	0.004	0.032	0.027	0.734	0.855	Yes	0.066	0.206			
01772	1424	1418	8	365.96	0.007	0.004	0.004	Free Surface	0.667	0.044	0.004	0.03	0.027	0.832	0.978	Yes	0.056	0.264			
01773	1425	1417	8	370.73	0.005	0.004	0.004	Free Surface	0.613	0.047	0.004	0.031	0.027	0.743	0.866	Yes	0.045	0.354			
01774	1415	1416	8	248.76	0.005	0.007	0.007	Free Surface	0.73	0.067	0.009	0.045	0.038	0.742	0.823	Yes	0.045	0.716			
01776	1438	1439	8	143.35	0.004	0.004	0.004	Free Surface	0.57	0.049	0.005	0.033	0.027	0.674	0.78	Yes	0.042	0.399			
01777	1439	1440	8	355.78	0.004	0.007	0.007	Free Surface	0.691	0.069	0.01	0.046	0.038	0.688	0.759	Yes	0.049	0.644			
01778	1440	1441	8	370.09	0.004	0.011	0.011	Free Surface	0.818	0.081	0.014	0.054	0.047	0.751	0.811	Yes	0.056	0.782			
01779	1441	1588	8	402.94	0.006	0.015	0.015	Free Surface	0.985	0.087	0.016	0.058	0.054	0.874	0.935	Yes	0.287	0.102			
01780	1437	1436	8	375.29	0.004	0.004	0.004	Free Surface	0.564	0.05	0.005	0.033	0.027	0.664	0.767	Yes	0.043	0.382			
01781	1436	1435	8	126.01	0.002	0.007	0.007	Free Surface	0.497	0.087	0.015	0.058	0.038	0.442	0.473	No	0.058	0.497			
01782	1435	1434	8	216.97	0.009	0.011	0.011	Free Surface	1.023	0.07	0.01	0.047	0.047	1.015	1.119	Yes	0.05	0.934			
01783	1434	1433	12	201.11	0.006	0.015	0.015	Free Surface	0.925	0.053	0.005	0.053	0.049	0.866	2.736	Yes	0.211	0.121			
01784	1432	1433	12	320.96	0.001	0.694	0.694	Free Surface	1.528	0.562	0.606	0.562	0.347	0.398	1.145	No	0.562	1.528			
01785	1206	1584	8	138.45	0.026	0.01	0.01	Free Surface	1.485	0.052	0.005	0.035	0.045	1.714	1.97	Yes	0.31	0.064			
01786	1201	1206	8	141.39	0.004	0.005	0.005	Free Surface	0.611	0.059	0.007	0.039	0.032	0.661	0.745	Yes	0.039	0.61			
01787	1202	1201	8	284.93	0.005	0.003	0.003	Free Surface	0.586	0.046	0.004	0.031	0.026	0.717	0.837	Yes	0.035	0.477			
01788	1203	1202	8	104.07	0.006	0.002	0.002	Free Surface	0.519	0.032	0.002	0.021	0.018	0.771	0.954	Yes	0.024	0.433			
01789	1205	1206	8	160.63	0.005	0.003	0.003	Free Surface	0.596	0.046	0.004	0.031	0.026	0.733	0.858	Yes	0.035	0.485			
01790	1204	1205	8	236.07	0.006	0.002	0.002	Free Surface	0.515	0.032	0.002	0.021	0.018	0.762	0.943	Yes	0.026	0.379			
01791	1226	2584	10	383.92	0.002	0.054	0.054	Free Surface	0.913	0.166	0.06	0.138	0.099	0.52	0.907	Yes	0.153	0.784			
01792	1223	1541	8	330.17	0.006	0.004	0.004	Free Surface	0.639	0.046	0.004	0.031	0.027	0.785	0.919	Yes	0.043	0.381			
01793	1541	1224	8	292.68	0.002	0.007	0.007	Free Surface	0.52	0.084	0.014	0.056	0.038	0.47	0.506	Yes	0.058	0.489			
01794	1224	1225	8	302.56	0.003	0.011	0.011	Free Surface	0.692	0.091	0.017	0.061	0.047	0.6	0.638	Yes	0.064	0.635			
01795	1225	2351	8	309.53	0.003	0.015	0.015	Free Surface	0.782	0.102	0.022	0.068	0.054	0.639	0.671	No	0.068	0.782			
01796	1,228.00	1229	10	291.36	0.01	0.004	0.004	Free Surface	0.756	0.03	0.002	0.025	0.026	1.023	2.225	Yes	0.037	0.427			
01797	1238	1226	10	233.78	0.004	0.044	0.044	Free Surface	1.18	0.12	0.031	0.1	0.089	0.793	1.427	Yes	0.118	0.935			
01798	1229	1238	10	279.19	0.002	0.007	0.007	Free Surface	0.542	0.06	0.007	0.05	0.036	0.518	1.017	Yes	0.075	0.303			
01799	1237	1238	8	233.77	0.003	0.033	0.033	Free Surface	1.035	0.147	0.047	0.098	0.082	0.702	0.708	Yes	0.098	1.027			
01800	1,234.00	1237	8	251.39	0.006	0.022	0.022	Free Surface	1.114	0.106	0.023	0.071	0.067	0.895	0.935	Yes	0.083	0.876			
01801	1236	1237	8	376.91	0.005	0.007	0.007	Free Surface	0.756	0.065	0.008	0.044	0.038	0.777	0.864	Yes	0.07	0.378			
01802	1542	1234	8	250.47	0.006	0.011	0.011	Free Surface	0.912	0.076	0.012	0.05	0.047	0.87	0.949	Yes	0.059	0.729			
01803	1231	1542	8	375.68	0.004	0.007	0.007	Free Surface	0.696	0.069	0.01	0.046	0.038	0.695	0.767	Yes	0.046	0.694			
01804	1233	1234	8	380.41	0.005	0.007	0.007	Free Surface	0.729	0.067	0.009	0.045	0.038	0.74	0.821	Yes	0.056	0.524			
01805	1235	1236	8	375.96	0.006	0.004	0.004	Free Surface	0.65	0.045	0.004	0.03	0.027	0.805	0.943	Yes	0.036	0.496			

01806	1232	1233	8	375.38	0.011	0.004	0.004	Free Surface	0.788	0.04	0.003	0.027	0.027	1.04	1.243	Yes	0.036	0.509			
01807	1230	1231	8	381.43	0.005	0.004	0.004	Free Surface	0.62	0.047	0.004	0.031	0.027	0.754	0.88	Yes	0.039	0.437			
01808	2351	1227	10	370.94	0.005	0.003	0.003	Free Surface	0.546	0.032	0.002	0.026	0.022	0.724	1.564	Yes	0.038	0.322			
01809	1227	1226	10	379.14	0.002	0.006	0.006	Free Surface	0.502	0.059	0.007	0.049	0.034	0.488	0.962	Yes	0.092	0.198			
01810	2353	2352	8	254.51	0.006	0.03	0.03	Free Surface	1.24	0.12	0.031	0.08	0.077	0.933	0.961	Yes	0.089	1.067			
01811	1251	1246	8	239.13	0.003	0.008	0.008	Free Surface	0.681	0.077	0.012	0.051	0.041	0.643	0.699	Yes	0.052	0.677			
01812	1250	1251	8	398.36	0.003	0.006	0.006	Free Surface	0.57	0.066	0.009	0.044	0.034	0.581	0.646	Yes	0.048	0.498			
01813	1242	1216	8	237.94	0.003	0.011	0.011	Free Surface	0.684	0.094	0.018	0.062	0.048	0.585	0.621	No	0.062	0.684			
01814	1,244.00	1217	8	285.81	0.003	0.003	0.003	Free Surface	0.442	0.049	0.005	0.033	0.024	0.524	0.607	No	0.033	0.442			
01815	1245	1218	8	290.65	0.003	0.003	0.003	Free Surface	0.464	0.048	0.004	0.032	0.024	0.559	0.65	No	0.032	0.464			
01816	1246	1219	8	243.55	0.004	0.011	0.011	Free Surface	0.807	0.084	0.014	0.056	0.048	0.731	0.787	No	0.056	0.807			
01817	1262	1243	8	396.7	0.001	0.006	0.006	Free Surface	0.446	0.078	0.012	0.052	0.034	0.418	0.454	No	0.052	0.446			
01818	1243	1242	8	235.46	0.003	0.008	0.008	Free Surface	0.668	0.078	0.012	0.052	0.041	0.626	0.679	Yes	0.057	0.579			
01819	1261	1260	8	278.45	0.005	0.002	0.002	Free Surface	0.481	0.033	0.002	0.022	0.018	0.695	0.854	Yes	0.025	0.394			
01820	1259	1262	8	148.18	0.005	0.003	0.003	Free Surface	0.58	0.041	0.003	0.027	0.024	0.755	0.898	Yes	0.042	0.308			
01821	1263	1264	8	246.39	0.006	0.029	0.029	Free Surface	1.238	0.119	0.03	0.079	0.077	0.937	0.966	Yes	0.085	1.118			
01822	1264	1265	8	246.53	0.004	0.031	0.031	Free Surface	1.027	0.141	0.043	0.094	0.079	0.713	0.722	Yes	0.103	0.891			
01823	1267	1263	8	298.76	0.004	0.024	0.024	Free Surface	0.966	0.123	0.032	0.082	0.07	0.717	0.737	Yes	0.083	0.957			
01824	1268	1269	8	234.38	0.005	0.002	0.002	Free Surface	0.479	0.033	0.002	0.022	0.018	0.692	0.85	Yes	0.027	0.359			
01825	1269	1475	8	138.2	0.008	0.003	0.003	Free Surface	0.688	0.042	0.003	0.028	0.026	0.888	1.055	Yes	0.041	0.389			
01826	1474	1475	8	138.72	0.006	0.003	0.003	Free Surface	0.617	0.045	0.004	0.03	0.026	0.767	0.901	Yes	0.042	0.374			
01827	1475	1267	8	343.17	0.002	0.009	0.009	Free Surface	0.6	0.085	0.015	0.056	0.041	0.54	0.581	Yes	0.069	0.45			
01828	1473	1474	8	181.98	0.005	0.002	0.002	Free Surface	0.473	0.034	0.002	0.022	0.018	0.68	0.834	Yes	0.027	0.362			
01829	1255	1256	8	100.05	0.005	0.012	0.012	Free Surface	0.843	0.084	0.015	0.056	0.049	0.76	0.817	No	0.056	0.843			
01830	1266	1265	8	68.96	0.023	0.002	0.002	Free Surface	0.82	0.023	0.001	0.015	0.018	1.419	1.843	Yes	0.064	0.099			
01831	1189	1191	8	431.24	0.004	0.005	0.005	Free Surface	0.608	0.059	0.007	0.04	0.032	0.655	0.739	Yes	0.042	0.56			
01832	1188	1189	8	151.63	0.015	0.002	0.002	Free Surface	0.707	0.026	0.001	0.017	0.018	1.164	1.488	Yes	0.027	0.349			
01833	1190	1189	8	216.31	0.006	0.002	0.002	Free Surface	0.519	0.032	0.002	0.021	0.018	0.77	0.953	Yes	0.029	0.315			
01834	1467	1468	10	194.99	0.004	0.019	0.019	Free Surface	0.924	0.08	0.013	0.066	0.058	0.767	1.452	Yes	0.067	0.902			
01835	1468	1469	10	230.19	0.005	0.02	0.02	Free Surface	0.997	0.08	0.013	0.067	0.061	0.825	1.56	Yes	0.076	0.818			
01836	1469	1470	10	398.9	0.002	0.022	0.022	Free Surface	0.746	0.103	0.022	0.086	0.063	0.543	0.995	No	0.086	0.746			
01837	1471	1182	8	341.22	0.002	0.038	0.038	Free Surface	0.809	0.19	0.079	0.127	0.087	0.479	0.473	No	0.127	0.809			
01838	1472	1471	8	152.39	0.009	0.002	0.002	Free Surface	0.591	0.029	0.001	0.019	0.018	0.917	1.151	Yes	0.075	0.078			
01839	1649	1471	8	167.65	0.005	0.003	0.003	Free Surface	0.59	0.046	0.004	0.031	0.026	0.722	0.845	Yes	0.081	0.141			
01840	1470	1471	8	377.57	0.006	0.031	0.031	Free Surface	1.264	0.122	0.032	0.081	0.079	0.944	0.971	Yes	0.106	0.854			
01841	1195	1649	8	245.75	0.006	0.002	0.002	Free Surface	0.511	0.032	0.002	0.021	0.018	0.755	0.933	Yes	0.024	0.417			
01842	1185	1183	8	388.1	0.007	0.007	0.007	Free Surface	0.817	0.059	0.007	0.039	0.037	0.884	0.997	Yes	0.076	0.308			
01843	1,183.00	1184	8	93.63	0.004	0.048	0.048	Free Surface	1.216	0.17	0.063	0.113	0.099	0.765	0.762	Yes	0.115	1.186			
01845	1334	2493	12	427.55	0.011	0.414	0.414	Free Surface	3.09	0.227	0.113	0.227	0.266	1.362	3.664	No	0.227	3.09			
01846	2493	2494	12	436.95	0.015	0.417	0.417	Free Surface	3.487	0.21	0.096	0.21	0.267	1.603	4.33	Yes	0.297	2.133			
01847	2490	2491	8	146.68	0.011	0.015	0.015	Free Surface	1.238	0.075	0.011	0.05	0.054	1.187	1.297	Yes	0.302	0.095			
01848	2489	2490	8	302.75	0.004	0.011	0.011	Free Surface	0.812	0.082	0.014	0.055	0.047	0.744	0.803	No	0.055	0.812			
01849	2488	2489	8	233.46	0.006	0.007	0.007	Free Surface	0.792	0.063	0.008	0.042	0.038	0.828	0.925	Yes	0.048	0.647			
01850	2487	2488	8	145.05	0.006	0.004	0.004	Free Surface	0.651	0.045	0.004	0.03	0.027	0.805	0.944	Yes	0.036	0.497			
01851	2494	2492	12	419.04	0.003	0.569	0.569	Free Surface	2.043	0.385	0.314	0.385	0.313	0.673	1.814	Yes	0.403	1.922			
01852	2492	2491	12	312.82	0.002	0.573	0.573	Free Surface	1.826	0.421	0.369	0.421	0.314	0.571	1.551	Yes	0.487	1.508			
01853	1603	1334	12	433.13	0.011	0.41	0.41	Free Surface	3.092	0.225	0.111	0.225	0.265	1.368	3.68	No	0.225	3.092			
01854	1,335.00	1319	8	163.41	0.017	0.004	0.004	Free Surface	0.92	0.035	0.002	0.024	0.027	1.288	1.566	Yes	0.038	0.451			
01855	1332	1319	8	186.81	0.006	0.004	0.004	Free Surface	0.635	0.045	0.004	0.03	0.027	0.783	0.917	Yes	0.042	0.398			
01856	1319	1333	8	198.07	0.005	0.011	0.011	Free Surface	0.867	0.077	0.012	0.052	0.047	0.817	0.889	Yes	0.056	0.765			
01857	1333	1321	8	280.81	0.006	0.018	0.018	Free Surface	1.036	0.097	0.02	0.065	0.06	0.87	0.919	Yes	0.068	0.968			
01858	1321	1322	8	282.96	0.005	0.022	0.022	Free Surface	1.018	0.111	0.026	0.074	0.066	0.798	0.829	Yes	0.086	0.816			
01859	1331	1330	8	165.9	0.005	0.004	0.004	Free Surface	0.608	0.047	0.004	0.031	0.027	0.74	0.863	Yes	0.037	0.469			
01860	1330	1328	8	111.48	0.006	0.007	0.007	Free Surface	0.79	0.063	0.008	0.042	0.038	0.83	0.929	Yes	0.053	0.557			
01861	1328	1327	8	90.73	0.005	0.014	0.014	Free Surface	0.945	0.089	0.016	0.059	0.054	0.831	0.888	Yes	0.061	0.908			
01862	1329	1328	8	121.34	0.006	0.004	0.004	Free Surface	0.65	0.045	0.004	0.03	0.027	0.808	0.949	Yes	0.047	0.332			
01863	1327	1322	8	154.09	0.006	0.018	0.018	Free Surface	1.027	0.098	0.02	0.065	0.06	0.86	0.908	Yes	0.082	0.736			
01864	1325	1326	8	327.33	0.001	0.054	0.054	Free Surface	0.796	0.249	0.136	0.166	0.105	0.409	0.398	No	0.166	0.796			
01865	1326	2486	8	253.26	0.004	0.058	0.058	Free Surface	1.316	0.183	0.073	0.122	0.109	0.796	0.788	Yes	0.174	0.794			
01866	1323	1324	8	340.16	0.005	0.004	0.004	Free Surface	0.59	0.048	0.004	0.032	0.027	0.71	0.825	Yes	0.037	0.471			
01867	1324	1325	8	348.03	0.005	0.007	0.007	Free Surface	0.743	0.065	0.008	0.044	0.038	0.763	0.849	Yes	0.104	0.207			
01868	1320	1333	8	214.6	0.005	0.004	0.004	Free Surface	0.615	0.046	0.004	0.031	0.027	0.751	0.878	Yes	0.046	0.344			
01869	1169	1170	8	106.24	0.016	0.076	0.076	Free Surface	2.268	0.153	0.05	0.102	0.125	1.509	1.516	Yes	0.141	1.423			
01870	1,170.00	1171	8	391.02	0.002	0.079	0.079	Free Surface	1.071	0.263	0.152	0.176	0.127	0.534	0.518	No	0.176	1.071			
01871	1175	1170	8	192.67	0.007	0.001	0.001	Free Surface	0.471	0.026	0.001	0.017	0.015	0.767	0.977	Yes	0.099	0.037			
01872	1174	1173	8	198.82	0.003	0.001	0.001	Free Surface	0.362	0.031	0.002	0.021	0.015	0.54	0.67	Yes	0.023	0.321			
01873	1173	1172	8	366.06	0.004	0.002	0.002	Free Surface	0.485	0.041	0.003	0.027	0.022	0.631	0.751	No	0.027	0.485			
01875	1171	1734	12	282.3	0.003	0.083	0.083	Free Surface	1.209	0.143	0.044	0.143	0.118	0.679	1.891	Yes	0.146	1.174			
01876	1168	1167	8	168.5	0.006	0.001	0.001	Free Surface	0.46	0.027	0.001	0.018	0.015	0.744	0.946	No	0.018	0.46			
01877	1167	1169	8	65.62	0.013	0.002	0.002	Free Surface	0.749	0.031	0.002	0.02	0.022	1.129	1.404	Yes	0.062	0.144			
01878	1371	1364	8	226.76	0.075	0.011	0.011	Free Surface	2.165	0.042	0.003	0.028	0.047	2.791	3.312	Yes	0.049	0.929			
01879	1372	1371	8	210.78	0.045	0.007	0.007	Free Surface	1.605	0.039	0.003	0.026	0.038	2.144	2.572	Yes	0.026	1.573			
01880	1370	1372	8	209.64	0.034	0.004	0.004	Free Surface	1.175	0.03	0.002	0.02	0.027	1.786	2.227	Yes	0.024	0.903			
01882	2862	1369	8	430.91	0.061	0.004	0.004	Free Surface	1.441	0.026	0.001	0.017	0.027	2.347	2.99	Yes	0.023	0.975			
01883	1366	1367	8	88.92	0.02	0.004	0.004	Free Surface	0.98	0.034	0.002	0.023	0.027	1.401	1.716	Yes	0.03	0.646			
01884	1373	1365	8	220.93	0.027	0.004	0.004	Free Surface	1.092	0.032	0.002	0.021	0.027	1.62	2.005	Yes	0.028	0.697			
01885	1365	1364	8	233.05	0.01	0.007	0.007	Free Surface	0.964	0.055	0.006	0.036	0.038	1.083	1.235	Yes	0.054	0.547			
01886	1367	1368	8	362.27	0.013	0.007	0.007	Free Surface	1.048	0.052	0.005	0.034	0.038	1.212	1.393	No	0.034	1.048			
01887	1369	1368	8	142.94	0.03	0.007	0.007	Free Surface	1.395	0.043	0.003	0.028	0.038	1.777	2.101	Yes	0.031	1.205			
01888	2,592.00	1364	8	286.69	0.018	0.043	0.043	Free Surface	2.003	0.112	0.027	0.075	0.094	1.56	1.619	No	0.075	2.003			
01889	1375	1374	8	248.34	0.003	0.004	0.004	Free Surface	0.503	0.053	0.005	0.035	0.027	0.573	0.656	No	0.035	0.503			
01890	1360	1346	8	270.78	0.033	0.086	0.086	Free Surface	3.047	0.135	0.039	0.09	0.134	2.155	2.192	Yes	0.098	2.72			
01891	1361	1360	8	283.78	0.034	0.083	0.083	Free Surface	3.039	0.132	0.037	0.088	0.131	2.181	2.224	Yes	0.088	3.023			
01892	1374	1361	8	400.39	0.028	0.007	0.007	Free Surface	1.354	0.044	0.004	0.029	0.038	1.707	2.013	Yes	0.059	0.472			
01893	1362	1361	8	131.8	0.036	0.072	0.072	Free Surface	2.989	0.121	0.031	0.081	0.122	2.24	2.305	Yes	0.085	2.773			
01894	1,376.00	1347	8	359.31	0.053	0.032	0.032	Free Surface	2.681	0.076	0.012	0.051	0.081	2.554	2.785	Yes	0.079	1.402			
01895	2636	2634	8	499.45	0.005	0.043	0.043	Free Surface	1.323	0.149	0.048	0.1	0.094	0.889	0.896	Yes	0.118	1.038			
01896	2635	2636	8	391.87	0.004	0.04	0.04	Free Surface	1.166	0.153	0.051	0.102	0.09	0.773	0.777	No	0.102	1.166			
01897	1382	1379	8	324.68	0.048	0.018	0.018	Free Surface	2.176	0.059	0.007	0.039	0.06	2.362	2.667	Yes	0.052	1.423			
01898	1379	1378	8	99.44	0.011	0.022	0.022	Free Surface	1.357	0.091	0.017	0.061	0.066	1.175	1.25	No	0.061	1.357			
01899	1378	1377	8	117.53	0.067	0.025	0.025	Free Surface	2.7	0.064	0.008	0.042	0.071	2.811	3.138	No	0.042	2.7			
01900	1377	1376	8	334.94	0.061	0.029	0.029	Free Surface	2.723	0.069	0.01	0.046	0.076	2.716	2.997	Yes	0.046	2.711			
01901	1380	1382	8	250.92	0.035	0.014	0.014	Free Surface	1.823	0.057	0.006	0.038	0.054	2.009	2.279	No	0.038	1.823			
01902	1381	1380	8	214.54	0.034	0.011	0.011	Free Surface	1.655	0.05	0.005	0.033	0.047	1.947	2.25	Yes	0.036	1.46			
01903	1181	1177	8	310.77	0.013	0.003	0.003	Free Surface	0.792	0.034	0.002	0.022	0.024	1.135	1.391	No	0.022	0.792			
01904	1276	1274	8	113.6	0.013	0.001	0.001	Free Surface	0.472	0.015	0	0.01	0.01	1.006	1.396	Yes	0.013	0.344			
01905	1274	1181	8	306.48	0.013	0.002	0.002	Free Surface	0.667	0.027	0.001	0.018	0.018	1.077	1.369	Yes	0.022	0.493			
01906	1270	1273	8	211.48	0.015	0.001	0.001	Free Surface	0.634	0.021	0.001	0.014	0.015	1.141	1.499	Yes	0.019	0.405			
01907	1,273.00	1271	8	266.14	0.011	0.004	0.004	Free Surface	0.798	0.038	0.003	0.026	0.027	1.072	1.287	Yes	0.03	0.623			
01908	1271	1179	8	355.83	0.012	0.005	0.005	Free Surface	0.931	0.046	0.004	0.031	0.033	1.14	1.333	Yes	0.033	0.838			
01909	1272	1271	8	110.66	0.031	0.001	0.001	Free Surface	0.688	0.014	0	0.01	0.012	1.513	2.119	Yes	0.022	0.197			
01910	1277	1278	8	251.39	0.035	0.001	0.001	Free Surface	0.845	0.018	0.001	0.012	0.015	1.674	2.269	Yes	0.016	0.525			

01911	1278	1279	8	248.09	0.04	0.003	0.003	Free Surface	1.16	0.026	0.001	0.017	0.024	1.906	2.435	Yes	0.667	0.008			
01912	1165	1166	8	123.97	0.069	0.002	0.002	Free Surface	1.231	0.019	0.001	0.013	0.019	2.367	3.177	Yes	0.018	0.7			
01913	1805	1163	8	285.71	0.074	0.002	0.002	Free Surface	1.262	0.019	0.001	0.012	0.019	2.448	3.294	Yes	0.015	0.95			
01914	1118	1117	8	335.48	0.033	0.489	0.489	Free Surface	5.092	0.319	0.221	0.213	0.327	2.283	2.213	Yes	0.587	1.502			
01915	1610	1609	12	295.63	0.026	1.188	1.188	Free Surface	5.812	0.307	0.204	0.307	0.459	2.176	5.81	No	0.307	5.812			
01916	1643	1720	15	498.73	0.007	0.878	0.878	Free Surface	3.311	0.268	0.158	0.335	0.367	1.193	5.57	No	0.335	3.311			
01918	1314	1313	8	395.92	0.004	0.005	0.005	Free Surface	0.6	0.057	0.006	0.038	0.031	0.663	0.752	Yes	0.042	0.509			
01919	1313	1316	8	80.42	0.005	0.01	0.01	Free Surface	0.856	0.075	0.012	0.05	0.045	0.817	0.892	Yes	0.05	0.854			
01920	1316	1315	8	257.53	0.008	0.015	0.015	Free Surface	1.103	0.082	0.014	0.055	0.055	1.009	1.088	Yes	0.081	0.619			
01923	2973	2971	8	386.08	0.074	0.002	0.002	Free Surface	1.326	0.02	0.001	0.013	0.021	2.482	3.302	Yes	-3.357	-1			
01924	1104	2971	8	190.09	0.002	0.001	0.001	Free Surface	0.258	0.028	0.001	0.019	0.012	0.404	0.508	No	0.019	0.258			
01925	3,078.00	1900	8	273.7	0.011	0.038	0.038	Free Surface	1.623	0.119	0.03	0.08	0.088	1.225	1.263	Yes	0.082	1.548			
01926	2857	2958	8	183.15	0.005	0.029	0.029	Free Surface	1.168	0.125	0.033	0.083	0.077	0.861	0.883	Yes	0.168	0.427			
01927	2515	729	8	343.84	0.027	0.129	0.129	Free Surface	3.21	0.172	0.065	0.115	0.164	2.003	1.991	Yes	0.117	3.146			
01928	1880	1879	8	211.79	0.006	0.006	0.006	Free Surface	0.729	0.058	0.007	0.038	0.034	0.798	0.903	No	0.038	0.729			
01929	1879	1875	8	256.81	0.019	0.009	0.009	Free Surface	1.265	0.052	0.005	0.035	0.042	1.455	1.67	Yes	0.047	0.814			
01930	1845	1899	8	187.41	0.007	0.485	0.485	Free Surface	2.813	0.495	0.492	0.33	0.326	0.974	0.986	No	0.33	2.813			
01931	2969	805	8	216	0	0.004	0.004	Free Surface	0.248	0.089	0.016	0.059	0.027	0.218	0.233	No	0.059	0.248			
01933	344	343	8	134.01	0.013	0.012	0.012	Free Surface	1.231	0.067	0.009	0.045	0.05	1.248	1.383	No	0.045	1.231			
01934	345	344	8	234.61	0.023	0.009	0.009	Free Surface	1.365	0.052	0.005	0.034	0.043	1.581	1.819	Yes	0.039	1.151			
01935	347	345	8	47.44	0.054	0.003	0.003	Free Surface	1.326	0.025	0.001	0.017	0.025	2.206	2.828	Yes	0.023	0.821			
01936	24	1862	8	95.44	0.012	0.3	0.3	Free Surface	3.077	0.323	0.226	0.215	0.254	1.372	1.33	Yes	0.287	2.09			
01937	1862	8	8	183.78	0.002	0.305	0.305	Free Surface	1.599	0.537	0.564	0.358	0.256	0.526	0.542	No	0.358	1.599			
01938	1817	2044	8	373.62	0.004	0.041	0.041	Free Surface	1.118	0.163	0.058	0.109	0.092	0.718	0.717	No	0.109	1.118			
01941	300	301	8	347.13	0.021	0.241	0.241	Free Surface	3.542	0.249	0.136	0.166	0.226	1.819	1.768	Yes	0.168	3.485			
01942	301	302	8	309.54	0.02	0.244	0.244	Free Surface	3.474	0.255	0.142	0.17	0.228	1.762	1.712	No	0.17	3.474			
01943	302	305	8	309.52	0.021	0.247	0.247	Free Surface	3.527	0.254	0.142	0.17	0.229	1.791	1.739	No	0.17	3.527			
01944	305	306	8	108.86	0.022	0.25	0.25	Free Surface	3.636	0.251	0.138	0.168	0.231	1.859	1.806	Yes	0.172	3.496			
01945	306.00	307	8	133.21	0.018	0.253	0.253	Free Surface	3.406	0.266	0.154	0.177	0.232	1.69	1.64	Yes	0.18	3.331			
01946	307	309	8	272.85	0.019	0.272	0.272	Free Surface	3.5	0.274	0.164	0.183	0.241	1.707	1.655	Yes	0.189	3.343			
01947	314	313	8	134.76	0.012	0.003	0.003	Free Surface	0.796	0.036	0.002	0.024	0.025	1.113	1.353	Yes	0.024	0.768			
01948	303	315	8	171.1	0.032	0.003	0.003	Free Surface	1.11	0.028	0.001	0.019	0.025	1.736	2.184	Yes	0.03	0.566			
01949	180.00	304	8	184.42	0.024	0.003	0.003	Free Surface	1.003	0.03	0.002	0.02	0.025	1.515	1.886	Yes	0.025	0.76			
01950	304	315	8	288.4	0.022	0.006	0.006	Free Surface	1.191	0.043	0.004	0.029	0.035	1.509	1.782	Yes	0.035	0.902			
01951	315	308	8	338.07	0.02	0.012	0.012	Free Surface	1.427	0.061	0.007	0.041	0.05	1.518	1.706	Yes	0.042	1.355			
01952	308.00	307	8	122.29	0.023	0.016	0.016	Free Surface	1.61	0.065	0.008	0.044	0.056	1.654	1.84	Yes	0.113	0.398			
01953	313	310	8	254.71	0.041	0.006	0.006	Free Surface	1.483	0.037	0.003	0.025	0.035	2.023	2.442	Yes	0.032	1.009			
01954	309	311	8	158.87	0.016	0.284	0.284	Free Surface	3.345	0.292	0.186	0.195	0.247	1.575	1.526	Yes	0.258	2.278			
01955	1827	1826	8	132.06	0.006	0.004	0.004	Free Surface	0.664	0.046	0.004	0.031	0.028	0.811	0.947	Yes	0.064	0.229			
01956	1824	1825	8	105.98	0.007	0.004	0.004	Free Surface	0.7	0.045	0.004	0.03	0.028	0.87	1.021	Yes	0.045	0.378			
01957	1823	1825	8	376.97	0.011	0.008	0.008	Free Surface	1.004	0.056	0.006	0.037	0.039	1.114	1.266	Yes	0.049	0.673			
01958	1825	1826	8	167.37	0.007	0.016	0.016	Free Surface	1.06	0.086	0.015	0.058	0.056	0.944	1.012	Yes	0.077	0.693			
01959	1826	1828	8	139.94	0.002	0.023	0.023	Free Surface	0.718	0.149	0.048	0.099	0.069	0.483	0.487	No	0.099	0.718			
01960	1822	1823	8	329.44	0.016	0.004	0.004	Free Surface	0.922	0.037	0.003	0.025	0.028	1.258	1.519	Yes	0.029	0.728			
01961	434	438	8	112.44	0.01	0.013	0.013	Free Surface	1.165	0.073	0.011	0.049	0.052	1.132	1.241	Yes	0.164	0.198			
01962	113	438	8	172.23	0.056	0.016	0.016	Free Surface	2.182	0.053	0.005	0.035	0.056	2.491	2.855	Yes	0.158	0.246			
01963	376	113	8	243.85	0.031	0.012	0.012	Free Surface	1.638	0.053	0.005	0.035	0.048	1.87	2.143	Yes	0.035	1.637			
01964	86	300	8	105.31	0.031	0.237	0.237	Free Surface	4.047	0.225	0.111	0.15	0.225	2.197	2.145	Yes	0.158	3.754			
01965	63.00	62	8	309.02	0.004	0.004	0.004	Free Surface	0.579	0.055	0.006	0.037	0.03	0.649	0.739	Yes	0.04	0.507			
01968	1940	1994	15	332.19	0.01	0.071	0.071	Free Surface	1.711	0.074	0.011	0.093	0.102	1.202	6.327	Yes	0.099	1.567			
01969	1994	1995	15	338.69	0.006	0.072	0.072	Free Surface	1.475	0.083	0.014	0.104	0.103	0.977	5.064	Yes	0.114	1.285			
01970	1995	1996	15	342.55	0.003	0.074	0.074	Free Surface	1.159	0.1	0.021	0.125	0.104	0.701	3.552	No	0.125	1.159			
01971	1996	1997	15	337.99	0.004	0.075	0.075	Free Surface	1.291	0.094	0.018	0.117	0.105	0.805	4.109	Yes	0.148	0.918			
01972	1,997.00	1998	15	262.44	0.003	0.165	0.165	Free Surface	1.526	0.143	0.044	0.179	0.156	0.766	3.729	No	0.179	1.526			
01973	1998	1999	15	261.52	0.004	0.166	0.166	Free Surface	1.592	0.14	0.042	0.175	0.157	0.809	3.945	Yes	0.186	1.456			
01974	1999	2000	15	401.88	0.004	0.208	0.208	Free Surface	1.678	0.158	0.054	0.197	0.176	0.801	3.864	Yes	0.215	1.485			
01975	2000	2001	15	387.77	0.002	0.21	0.21	Free Surface	1.338	0.186	0.075	0.232	0.177	0.587	2.791	No	0.232	1.338			
01976	2013	2012	8	370	0.009	0.003	0.003	Free Surface	0.715	0.04	0.003	0.027	0.026	0.938	1.12	Yes	0.033	0.526			
01977	2012	2011	8	242.78	0.007	0.007	0.007	Free Surface	0.816	0.059	0.007	0.039	0.037	0.884	0.999	Yes	0.043	0.703			
01978	2011	2009	8	240.49	0.007	0.01	0.01	Free Surface	0.922	0.071	0.01	0.047	0.045	0.907	0.997	Yes	0.054	0.751			
01979	2010	2009	8	371.62	0.012	0.003	0.003	Free Surface	0.804	0.037	0.003	0.025	0.026	1.098	1.326	Yes	0.043	0.353			
01980	2009	2008	8	236.98	0.006	0.017	0.017	Free Surface	1.045	0.092	0.018	0.062	0.058	0.901	0.957	Yes	0.062	1.043			
01981	2008	2006	8	236.65	0.009	0.02	0.02	Free Surface	1.249	0.093	0.018	0.062	0.064	1.074	1.141	Yes	0.065	1.167			
01982	2007	2006	8	369.32	0.006	0.003	0.003	Free Surface	0.614	0.045	0.004	0.03	0.026	0.766	0.9	Yes	0.049	0.296			
01983	2006	2005	8	348.95	0.011	0.027	0.027	Free Surface	1.459	0.101	0.021	0.068	0.074	1.199	1.259	Yes	0.077	1.208			
01984	2005	2004	8	282.09	0.009	0.041	0.041	Free Surface	1.533	0.129	0.036	0.086	0.091	1.112	1.136	Yes	0.096	1.313			
01985	2004	2003	8	359.16	0.007	0.054	0.054	Free Surface	1.522	0.158	0.054	0.106	0.105	0.993	0.995	Yes	0.118	1.299			
01986	2003	2002	8	305.48	0.005	0.074	0.074	Free Surface	1.55	0.195	0.083	0.13	0.124	0.907	0.893	No	0.13	1.55			
01987	2002	1997	8	293.63	0.01	0.078	0.078	Free Surface	1.936	0.172	0.065	0.115	0.126	1.209	1.202	Yes	0.147	1.36			
01988	2040	2039	15	529.07	0.02	2.309	2.309	Free Surface	6.186	0.344	0.254	0.429	0.607	1.944	9.094	Yes	0.459	5.655			
01989	2039	2038	15	182.15	0.012	2.311	2.311	Free Surface	5.206	0.391	0.322	0.488	0.608	1.521	7.166	No	0.488	5.206			
01990	2038	2037	15	384.61	0.019	2.313	2.313	Free Surface	6.068	0.349	0.261	0.436	0.608	1.891	8.85	No	0.436	6.068			
01991	2037	2036	12	106.85	0.07	2.315	2.315	Free Surface	9.927	0.338	0.246	0.338	0.651	3.523	9.426	Yes	0.344	9.657			
01992	2036	3036	12	252.61	0.06	2.316	2.316	Free Surface	9.408	0.351	0.265	0.351	0.651	3.265	8.748	No	0.351	9.408			
01993	2035	662	12	333.47	0.073	2.407	2.407	Free Surface	10.214	0.34	0.249	0.34	0.664	3.61	9.661	No	0.34	10.214			
01994	2014	2015	8	400.59	0.054	0.004	0.004	Free Surface	1.396	0.027	0.001	0.018	0.027	2.23	2.824	Yes	0.024	0.92			
01995	2015	2017	8	310.68	0.058	0.011	0.011	Free Surface	1.996	0.045	0.004	0.03	0.047	2.482	2.916	Yes	0.044	1.119			
01996	2017	2018	8	397.97	0.006	0.015	0.015	Free Surface	0.987	0.087	0.016	0.058	0.054	0.874	0.935	Yes	0.071	0.737			
01997	2018	2041	8	133.42	0.007	0.033	0.033	Free Surface	1.3	0.126	0.034	0.084	0.082	0.955	0.978	Yes	0.09	1.179			
01998	2041	2023	8	119.56	0.005	0.037	0.037	Free Surface	1.195	0.144	0.044	0.096	0.087	0.82	0.829	Yes	0.097	1.168			
01999	2023	2026	8	110.58	0.007	0.048	0.048	Free Surface	1.485	0.148	0.047	0.099	0.099	1.003	1.011	Yes	0.101	1.427			
02000	2,026.00	2027	8	156.13	0.006	0.052	0.052	Free Surface	1.479	0.156	0.053	0.104	0.103	0.972	0.974	Yes	0.108	1.396			
02001	2027	2028	8	381.35	0.005	0.055	0.055	Free Surface	1.415	0.169	0.062	0.113	0.106	0.892	0.888	No	0.113	1.415			
02002	2028	2032	8	251.3	0.079	0.077	0.077	Free Surface	4.01	0.104	0.023	0.069	0.126	3.247	3.401	No	0.069	4.01			
02003	2032	2033	8	181.55	0.214	0.079	0.079	Free Surface	5.721	0.083	0.014	0.055	0.128	5.2	5.6	Yes	0.061	4.974			
02004	2033	2034	8	325.8	0.109	0.083	0.083	Free Surface	4.581	0.1	0.021	0.066	0.131	3.794	3.994	No	0.066	4.581			
02005	2034	3036	8	82.84	0.134	0.087	0.087	Free Surface	4.992	0.097	0.02	0.065	0.134	4.196	4.433	Yes	0.183	1.11			
02006	2022	2021	8	143.69	0.043	0.004	0.004	Free Surface	1.287	0.029	0.001	0.019	0.027	2.002	2.515	Yes	0.023	0.996			
02007	2021	2020	8	197.77	0.044	0.007	0.007	Free Surface	1.602	0.039	0.003	0.026	0.038	2.122	2.538	Yes	0.029	1.407			
02008	2020	2019	8	94.38	0.048	0.011	0.011	Free Surface	1.874	0.047	0.004	0.031	0.047	2.282	2.663	Yes	0.033	1.709			
02009	2019	2018	8	200.49	0.051	0.015	0.015	Free Surface	2.09	0.053	0.005	0.035	0.054	2.394	2.746	Yes	0.06	0.957			
02010	2025	2024	8	123.34	0.03	0.004	0.004	Free Surface	1.142	0.031	0.002	0.021	0.027	1.705	2.115	Yes	0.022	1.046			
02011	2024	2023	8	102.86	0.075	0.007	0.007	Free Surface	1.927	0.035	0.002	0.023	0.038	2.718	3.313	Yes	0.061	0.462			
02012	2016	2015	8	161.05	0.102	0.004	0.004	Free Surface	1.737	0.023	0.001	0.016	0.027	2.988	3.872	Yes	0.023	0.996			
02013	2043	2042	8	329.38	0.021	0.004	0.004	Free Surface	1.002	0.034	0.002	0.023	0.027	1.433	1.754	Yes	0.026	0.826			
02014	2042	2031	8	333.4	0.029	0.007	0.007	Free Surface	1.393	0.043	0.004	0.029	0.038	1.761	2.077	Yes	0.03	1.352			
02015	2031	2030	8	216.22	0.056	0.011	0.011	Free Surface	1.969	0.045	0.004	0.03	0.047	2.438	2.859	Yes	0.032	1.781			
02016	2030	2029	8	270.33	0.057	0.015	0.015	Free Surface	2.162	0.051	0.005	0.034	0.054	2.505	2.882	Yes	0.035	2.097			
02017	2029	2028	8	68.97	0.074	0.018	0.018	Free Surface	2.544	0.054	0.006	0.036	0.061	2.888	3.304	Yes	0.053	1.437			
02018	2055	2054	8	93.59	0.027	0	0	Free Surface	0	0	0	0	0	0	1.992	Yes	0.008	0			
02018	2055	2054	8	93.59	0.027	0	0	Free Surface	0	0	0	0	0	0	1.992	Yes	0.008	0			
02018	2055	2054	8	93.59	0.027	0	0	Free Surface	0	0	0	0	0	0	1.992	Yes	0.008	0			

02019	2054	2053	8	243.3	0.032	0.002	0.002	Free Surface	0.96	0.023	0.001	0.015	0.02	1.662	2.158	Yes	0.023	0.526			
02020	2053	2052	8	153.93	0.007	0.004	0.004	Free Surface	0.687	0.046	0.004	0.031	0.028	0.84	0.981	Yes	0.034	0.591			
02021	2052	2051	8	232.47	0.006	0.006	0.006	Free Surface	0.774	0.056	0.006	0.037	0.035	0.859	0.976	Yes	0.065	0.342			
02022	2051	2050	8	220.19	0.01	0.05	0.05	Free Surface	1.696	0.139	0.042	0.093	0.101	1.183	1.2	Yes	0.094	1.664			
02023	2050	2049	8	192.15	0.01	0.052	0.052	Free Surface	1.699	0.143	0.044	0.095	0.103	1.169	1.182	No	0.095	1.699			
02024	2049	2048	8	192.67	0.042	0.054	0.054	Free Surface	2.884	0.102	0.022	0.068	0.105	2.361	2.478	Yes	0.084	2.122			
02025	2048	2046	8	229.18	0.009	0.056	0.056	Free Surface	1.71	0.15	0.048	0.1	0.107	1.149	1.157	No	0.1	1.71			
02026	2047	2046	8	81.52	0.006	0.006	0.006	Free Surface	0.764	0.057	0.006	0.038	0.035	0.844	0.958	Yes	0.057	0.421			
02027	2,046.00	2045	8	228.79	0.038	0.064	0.064	Free Surface	2.943	0.113	0.027	0.075	0.115	2.286	2.371	Yes	0.099	1.99			
02028	2044	2045	8	217.52	0.009	0.043	0.043	Free Surface	1.585	0.132	0.038	0.088	0.094	1.134	1.156	Yes	0.105	1.229			
02029	2045	2056	8	334.27	0.015	0.109	0.109	Free Surface	2.497	0.183	0.073	0.122	0.151	1.51	1.494	No	0.122	2.497			
02030	2056	2057	8	93.81	0.056	0.111	0.111	Free Surface	3.974	0.134	0.039	0.09	0.152	2.822	2.872	Yes	0.092	3.812			
02031	2057	2058	8	120.94	0.054	0.123	0.123	Free Surface	4.054	0.142	0.044	0.095	0.16	2.796	2.828	Yes	0.101	3.72			
02032	2058	2059	8	205.87	0.035	0.125	0.125	Free Surface	3.486	0.16	0.055	0.106	0.162	2.264	2.266	No	0.106	3.486			
02033	2059	2060	8	269.82	0.036	0.127	0.127	Free Surface	3.543	0.16	0.055	0.106	0.163	2.301	2.303	Yes	0.131	2.631			
02034	2060	2061	8	386.11	0.008	0.131	0.131	Free Surface	2.126	0.233	0.119	0.155	0.166	1.132	1.103	No	0.155	2.126			
02035	2065	2064	8	59.66	0.012	0.002	0.002	Free Surface	0.69	0.029	0.001	0.019	0.02	1.068	1.34	Yes	0.041	0.225			
02036	2064	2063	8	170.64	0.016	0.028	0.028	Free Surface	1.68	0.094	0.018	0.063	0.075	1.432	1.518	Yes	0.065	1.599			
02037	2063	2062	8	156.44	0.014	0.03	0.03	Free Surface	1.632	0.101	0.021	0.067	0.078	1.345	1.414	Yes	0.073	1.44			
02038	2062	2061	8	78.47	0.008	0.032	0.032	Free Surface	1.368	0.119	0.03	0.079	0.081	1.036	1.068	Yes	0.116	0.782			
02039	2061	2066	8	261.21	0.014	0.165	0.165	Free Surface	2.719	0.23	0.116	0.154	0.186	1.456	1.42	No	0.154	2.719			
02040	2066	2067	8	216.57	0.025	0.167	0.167	Free Surface	3.35	0.201	0.088	0.134	0.187	1.93	1.897	Yes	0.135	3.314			
02041	2067	2068	8	85.89	0.024	0.169	0.169	Free Surface	3.318	0.204	0.091	0.136	0.189	1.897	1.863	Yes	0.137	3.29			
02042	2068	2069	8	169.51	0.024	0.175	0.175	Free Surface	3.377	0.206	0.093	0.137	0.192	1.918	1.882	Yes	0.138	3.357			
02043	2069	2070	8	256.74	0.024	0.177	0.177	Free Surface	3.376	0.208	0.095	0.139	0.193	1.909	1.872	Yes	0.144	3.208			
02044	2072	2071	8	164.46	0.039	0.002	0.002	Free Surface	1.032	0.022	0.001	0.015	0.02	1.831	2.396	Yes	0.027	0.412			
02045	2071	2070	8	126.76	0.035	0.016	0.016	Free Surface	1.881	0.06	0.007	0.04	0.057	2.022	2.278	Yes	0.094	0.531			
02046	2070	2073	8	326.26	0.022	0.195	0.195	Free Surface	3.365	0.223	0.109	0.149	0.203	1.834	1.791	Yes	0.49	0.711			
02047	2073	2074	8	101.42	0.006	0.197	0.197	Pressurized	2.168	0.307	0.205	0.205	0.204	0.993	0.962	Yes	0.667	0.565			
02048	2074	2075	8	277.07	0.002	0.199	0.199	Pressurized	1.391	0.43	0.383	0.286	0.205	0.526	0.52	Yes	0.667	0.571			
02049	2075	2076	8	254.52	0.011	0.201	0.201	Free Surface	2.68	0.268	0.157	0.178	0.206	1.324	1.284	Yes	0.191	2.439			
02050	2076	2077	8	182.53	0.007	0.203	0.203	Free Surface	2.257	0.305	0.202	0.203	0.207	1.038	1.006	No	0.203	2.257			
02051	2077	2078	8	95.41	0.009	0.205	0.205	Free Surface	2.477	0.287	0.18	0.191	0.208	1.177	1.141	Yes	0.2	2.335			
02052	2,078.00	2079	8	116.91	0.006	0.207	0.207	Free Surface	2.171	0.318	0.219	0.212	0.209	0.976	0.946	Yes	0.213	2.164			
02053	2080	2081	8	382.03	0.04	0.002	0.002	Free Surface	1.045	0.022	0.001	0.015	0.02	1.861	2.438	Yes	0.022	0.575			
02054	2081	2047	8	61.18	0.009	0.004	0.004	Free Surface	0.751	0.044	0.004	0.029	0.028	0.947	1.117	Yes	0.033	0.611			
02055	2102	2101	8	150.71	0.01	0.002	0.002	Free Surface	0.65	0.03	0.002	0.02	0.02	0.986	1.229	Yes	0.035	0.279			
02056	2101	2083	8	244.46	0.013	0.016	0.016	Free Surface	1.311	0.076	0.012	0.051	0.057	1.244	1.356	Yes	0.061	1.002			
02057	2085	2084	8	93.69	0.015	0.002	0.002	Free Surface	0.741	0.028	0.001	0.018	0.02	1.176	1.486	Yes	0.025	0.481			
02058	2084	2083	8	130.44	0.007	0.004	0.004	Free Surface	0.688	0.046	0.004	0.031	0.028	0.842	0.984	Yes	0.051	0.326			
02059	2,083.00	2082	8	230.25	0.006	0.022	0.022	Free Surface	1.099	0.107	0.024	0.071	0.067	0.879	0.917	Yes	0.079	0.946			
02060	2082	2051	8	155.79	0.009	0.042	0.042	Free Surface	1.577	0.13	0.036	0.087	0.093	1.14	1.165	Yes	0.09	1.498			
02061	2094	2093	8	136.25	0.023	0.002	0.002	Free Surface	0.856	0.025	0.001	0.017	0.02	1.425	1.828	Yes	0.019	0.731			
02062	2093	2092	8	192.37	0.038	0.004	0.004	Free Surface	1.267	0.031	0.002	0.02	0.028	1.906	2.37	Yes	0.023	1.063			
02063	2092	2091	8	87.32	0.033	0.006	0.006	Free Surface	1.364	0.038	0.003	0.026	0.035	1.834	2.204	Yes	0.026	1.344			
02064	2091	2089	8	128.91	0.054	0.008	0.008	Free Surface	1.766	0.039	0.003	0.026	0.04	2.351	2.817	Yes	0.033	1.245			
02065	2089	2088	8	148.1	0.02	0.012	0.012	Free Surface	1.409	0.06	0.007	0.04	0.049	1.513	1.704	Yes	0.045	1.193			
02066	2088	2087	8	158.05	0.011	0.014	0.014	Free Surface	1.199	0.074	0.011	0.049	0.053	1.156	1.264	Yes	0.051	1.151			
02067	2087	2086	8	225.65	0.011	0.016	0.016	Free Surface	1.265	0.078	0.012	0.052	0.057	1.186	1.288	No	0.052	1.265			
02068	2086	2082	8	194.91	0.027	0.018	0.018	Free Surface	1.768	0.067	0.009	0.045	0.06	1.787	1.979	Yes	0.066	1.01			
02069	2090	2089	8	112.89	0.029	0.002	0.002	Free Surface	0.932	0.024	0.001	0.016	0.02	1.598	2.068	Yes	0.028	0.4			
02070	2095	2096	8	114.63	0.026	0.002	0.002	Free Surface	0.897	0.024	0.001	0.016	0.02	1.518	1.957	Yes	0.019	0.701			
02071	2096	2097	8	200.67	0.028	0.004	0.004	Free Surface	1.135	0.033	0.002	0.022	0.028	1.645	2.022	Yes	0.023	1.06			
02072	2097	2098	8	195.49	0.043	0.006	0.006	Free Surface	1.488	0.036	0.002	0.024	0.035	2.061	2.5	Yes	0.029	1.129			
02073	2098	2099	8	328.87	0.017	0.008	0.008	Free Surface	1.193	0.051	0.005	0.034	0.04	1.39	1.602	Yes	0.039	0.985			
02074	2099	2100	8	250.17	0.01	0.01	0.01	Free Surface	1.039	0.065	0.008	0.043	0.045	1.07	1.192	Yes	0.049	0.874			
02075	2100	2101	8	158.31	0.005	0.012	0.012	Free Surface	0.898	0.081	0.013	0.054	0.049	0.826	0.893	No	0.054	0.898			
02078	1975	1501	8	240.85	0.014	0.004	0.004	Free Surface	0.869	0.038	0.003	0.025	0.027	1.177	1.418	Yes	0.034	0.567			
02079	1974	1502	8	247.61	0.021	0.004	0.004	Free Surface	1.006	0.034	0.002	0.023	0.027	1.431	1.75	Yes	0.029	0.716			
02080	1972	1971	8	326.05	0.114	0.007	0.007	Free Surface	2.179	0.03	0.002	0.02	0.037	3.29	4.095	Yes	0.033	1.069			
02081	1977	1976	8	400.7	0.108	0.01	0.01	Free Surface	2.416	0.037	0.003	0.025	0.045	3.293	3.974	Yes	0.028	2.039			
02082	1,981.00	1982	8	405.12	0.076	0.007	0.007	Free Surface	1.893	0.033	0.002	0.022	0.037	2.726	3.343	Yes	0.024	1.73			
02083	1973	1972	8	127.68	0.107	0.003	0.003	Free Surface	1.724	0.022	0.001	0.015	0.026	3.038	3.966	Yes	0.018	1.346			
02085	1979	1978	8	147.62	0.078	0.003	0.003	Free Surface	1.543	0.024	0.001	0.016	0.026	2.62	3.382	Yes	0.018	1.263			
02086	1978	1977	8	397.36	0.105	0.007	0.007	Free Surface	2.118	0.031	0.002	0.021	0.037	3.168	3.932	Yes	0.023	1.835			
02087	1,976.00	1969	8	230.89	0.076	0.014	0.014	Free Surface	2.335	0.046	0.004	0.031	0.052	2.853	3.334	Yes	0.04	1.587			
02088	1980	1981	8	321.02	0.085	0.003	0.003	Free Surface	1.591	0.024	0.001	0.016	0.026	2.73	3.534	Yes	0.019	1.2			
02089	1,967.00	1508	8	268.47	0.005	0.037	0.037	Free Surface	1.218	0.143	0.044	0.096	0.087	0.837	0.846	Yes	0.113	0.95			
02090	1969	1968	8	294.3	0.053	0.031	0.031	Free Surface	2.632	0.074	0.011	0.049	0.079	2.541	2.78	Yes	0.062	1.857			
02091	1968	1967	8	268.51	0.011	0.034	0.034	Free Surface	1.558	0.113	0.027	0.076	0.083	1.208	1.253	Yes	0.086	1.3			
02092	1971	1970	8	253.47	0.008	0.01	0.01	Free Surface	0.994	0.068	0.009	0.045	0.045	1.001	1.108	Yes	0.047	0.944			
02093	1970	1969	8	206.32	0.011	0.014	0.014	Free Surface	1.197	0.073	0.011	0.048	0.052	1.164	1.276	Yes	0.049	1.183			
02094	1952	1951	8	400.35	0.009	0.003	0.003	Free Surface	0.718	0.04	0.003	0.027	0.026	0.944	1.126	Yes	0.032	0.546			
02095	1951	1950	8	401.33	0.008	0.007	0.007	Free Surface	0.868	0.056	0.006	0.038	0.037	0.961	1.092	Yes	0.041	0.765			
02096	1950	1958	8	360.85	0.009	0.01	0.01	Free Surface	1.022	0.066	0.009	0.044	0.045	1.042	1.157	No	0.044	1.022			
02098	1956	1955	8	400.23	0.007	0.003	0.003	Free Surface	0.652	0.043	0.003	0.029	0.026	0.829	0.98	Yes	0.034	0.503			
02099	1,955.00	1949	8	400.34	0.007	0.007	0.007	Free Surface	0.806	0.059	0.007	0.039	0.037	0.871	0.982	No	0.039	0.806			
02100	1949	1953	8	381.89	0.034	0.01	0.01	Free Surface	1.614	0.049	0.005	0.032	0.045	1.924	2.232	Yes	0.043	1.047			
02101	5	4	8	267.76	0.008	0.333	0.333	Free Surface	2.767	0.377	0.302	0.251	0.268	1.13	1.103	Yes	0.259	2.659			
02102	2106	2105	8	106.16	0.013	0.038	0.038	Free Surface	1.705	0.115	0.028	0.077	0.088	1.311	1.356	Yes	0.091	1.343			
02103	2104	2103	8	265.62	0.025	0.005	0.005	Free Surface	1.207	0.039	0.003	0.026	0.033	1.608	1.927	Yes	0.348	0.03			
02104	4	2103	8	214.32	0.009	0.382	0.382	Free Surface	2.937	0.399	0.336	0.266	0.288	1.16	1.138	Yes	0.468	1.459			
02106	2111	2110	8	210.88	0.006	0.011	0.011	Free Surface	0.91	0.075	0.012	0.05	0.047	0.869	0.948	Yes	0.055	0.798			
02107	2109	2106	8	89.03	0.006	0.022	0.022	Free Surface	1.091	0.107	0.024	0.071	0.066	0.872	0.911	Yes	0.076	1			
02108	2110	2109	8	216.8	0.007	0.016	0.016	Free Surface	1.061	0.089	0.017	0.06	0.057	0.929	0.991	Yes	0.066	0.916			
02109	2112	2111	8	175.71	0.006	0.005	0.005	Free Surface	0.731	0.055	0.006	0.036	0.033	0.821	0.937	Yes	0.043	0.566			
02110	2107	2106	8	110.26	0.007	0.011	0.011	Free Surface	0.967	0.072	0.011	0.048	0.047	0.943	1.034	Yes	0.064	0.637			
02111	2108	2107	8	396.04	0.006	0.005	0.005	Free Surface	0.735	0.055	0.006	0.036	0.033	0.827	0.943	Yes	0.042	0.587			
02117	2119	1146	8	258.08	0.008	0.002	0.002	Free Surface	0.574	0.031	0.002	0.021	0.019	0.854	1.059	Yes	0.351	0.01			
02118	2120	1522	8	155.53	0.069	0.027	0.027	Free Surface	2.764	0.065	0.008	0.043	0.073	2.849	3.173	Yes	0.057	1.836			
02119	2121	2120	8	179.5	0.044	0.023	0.023	Free Surface	2.27	0.068	0.009	0.045	0.068	2.292	2.539	No	0.045	2.27			
02120	2122	2121	8	226.99	0.074	0.02	0.02	Free Surface	2.594	0.055	0.006	0.037	0.063	2.895	3.295	Yes	0.041	2.225			
02121	2123	2122	8	225.46	0.096	0.016	0.016	Free Surface	2.679	0.048	0.004	0.032	0.057	3.224	3.75	Yes	0.034	2.388			
02122	2124	2123	8	187.64	0.095	0.013	0.013	Free Surface	2.489	0.043	0.003	0.029	0.051	3.164	3.739	Yes	0.03	2.293			
02123	2125	2124	8	297.09	0.087	0.01	0.01	Free Surface	2.196	0.038	0.003	0.025	0.044	2.965	3.568	Yes	0.027	2.002			
02124	2126	2125	8	188.56	0.027	0.003	0.003	Free Surface	1.067	0.031	0.002	0.021	0.026	1.6	1.987	Yes	0.023	0.907			
02125	2127	2125	8	288.9	0.043	0.003	0.003	Free Surface	1.176	0.025	0.001	0.017	0.023	1.962	2.518	Yes	0.021	0.832			
02126	2127	2128	8	399.11	0.096	0.004	0.004	Free Surface	1.754	0.025	0.001	0.017	0.029	2.926	3.756	Yes	0.019	1.388			
02127	2,128.00	2129	8	186.57	0.092	0.007	0.007	Free Surface	2.081	0.033	0.002	0.022	0.039	2.996	3.676	Yes	0.025	1.802			
02128	2129	2130	8	398.95	0.088	0.011	0.011	Free Surface	2.3	0.04	0.003	0.027	0.047	3.017	3.599	Yes	0.03	1.908			
02129	2,130.00	1526	8	215.36	0.055	0.014	0.014	Free Surface	2.122	0.051	0.005	0.034	0.054	2.47	2.845	Yes	0.034	2.114			
02130	1983	1510	8	368.13	0.095	0.014	0.014	Free Surface	2.524	0.044	0.004	0.029	0.052	3.168	3.73	Yes	0.035	1.974			

02131	1982	1983	8	395.13	0.102	0.01	0.01	Free Surface	2.371	0.038	0.003	0.025	0.045	3.212	3.868	Yes	0.027	2.11			
02132	2131	2127	8	146.71	0.036	0.003	0.003	Free Surface	1.182	0.029	0.001	0.019	0.026	1.835	2.303	No	0.019	1.182			
02134	2138	182	8	122.68	0.005	0.009	0.009	Free Surface	0.817	0.07	0.01	0.046	0.042	0.812	0.895	Yes	0.064	0.51			
02135	2139	2138	8	241.41	0.002	0.004	0.004	Free Surface	0.425	0.068	0.009	0.045	0.03	0.429	0.474	Yes	0.046	0.417			
02136	2141	2140	8	103.15	0.07	0.004	0.004	Free Surface	1.602	0.028	0.001	0.018	0.03	2.535	3.201	Yes	0.024	1.088			
02137	2140	175	8	51.28	0.038	0.009	0.009	Free Surface	1.601	0.044	0.004	0.029	0.042	2.003	2.357	Yes	0.035	1.259			
02138	2145	2144	8	193.47	0.004	0.032	0.032	Free Surface	1.116	0.138	0.041	0.092	0.081	0.782	0.794	Yes	0.097	1.03			
02139	2143	2142	8	237.89	0.012	0.324	0.324	Free Surface	3.162	0.335	0.242	0.223	0.264	1.381	1.34	No	0.223	3.162			
02141	2144	2143	8	97.63	0.003	0.036	0.036	Free Surface	1.074	0.154	0.051	0.102	0.086	0.712	0.715	Yes	0.163	0.552			
02142	2149	2148	8	396.42	0.002	0.004	0.004	Free Surface	0.454	0.062	0.008	0.041	0.028	0.479	0.537	No	0.041	0.454			
02143	2148	2147	8	136.48	0.009	0.008	0.008	Free Surface	0.949	0.06	0.007	0.04	0.04	1.017	1.146	Yes	0.045	0.792			
02144	2147	2146	8	128.48	0.008	0.012	0.012	Free Surface	1.012	0.076	0.012	0.05	0.049	0.965	1.053	Yes	0.056	0.862			
02145	2146	2145	8	207.01	0.006	0.016	0.016	Free Surface	0.995	0.093	0.018	0.062	0.057	0.854	0.907	Yes	0.077	0.723			
02146	2152	2145	8	128.16	0.005	0.012	0.012	Free Surface	0.899	0.082	0.014	0.055	0.049	0.824	0.889	Yes	0.073	0.583			
02147	2150	2151	8	235.29	0.001	0.004	0.004	Free Surface	0.32	0.078	0.012	0.052	0.028	0.3	0.326	No	0.052	0.32			
02148	2151	2152	8	290.39	0.004	0.008	0.008	Free Surface	0.742	0.071	0.01	0.047	0.04	0.731	0.804	Yes	0.051	0.664			
02149	2191	2190	8	361.62	0.022	0.004	0.004	Free Surface	1.051	0.035	0.002	0.023	0.028	1.477	1.799	Yes	0.033	0.617			
02150	2,193.00	2192	8	110.24	0.055	0.004	0.004	Free Surface	1.44	0.028	0.001	0.019	0.028	2.251	2.831	Yes	0.03	0.711			
02151	2192	2190	8	410.99	0.007	0.008	0.008	Free Surface	0.885	0.063	0.008	0.042	0.04	0.927	1.037	Yes	0.043	0.859			
02152	2190	2189	8	192.23	0.025	0.016	0.016	Free Surface	1.67	0.065	0.009	0.044	0.057	1.714	1.907	Yes	0.047	1.475			
02153	2189	2188	8	282.87	0.02	0.02	0.02	Free Surface	1.644	0.077	0.012	0.051	0.064	1.555	1.693	Yes	0.062	1.248			
02154	2188	2187	8	137.01	0.007	0.024	0.024	Free Surface	1.188	0.108	0.025	0.072	0.07	0.942	0.982	Yes	0.073	1.177			
02155	2187	2186	8	136.53	0.008	0.028	0.028	Free Surface	1.362	0.11	0.025	0.073	0.076	1.073	1.117	No	0.073	1.362			
02156	2186	2183	8	384.09	0.024	0.032	0.032	Free Surface	2.05	0.091	0.017	0.061	0.081	1.779	1.894	Yes	0.064	1.878			
02157	2185	2184	8	215.15	0.035	0.004	0.004	Free Surface	1.229	0.032	0.002	0.021	0.028	1.822	2.255	Yes	0.032	0.674			
02158	2184	2183	8	230.72	0.007	0.008	0.008	Free Surface	0.881	0.063	0.008	0.042	0.04	0.922	1.031	Yes	0.055	0.591			
02159	2183	2182	8	330.81	0.028	0.045	0.045	Free Surface	2.377	0.102	0.022	0.068	0.095	1.944	2.04	Yes	0.077	1.987			
02160	2195	2182	8	358.96	0.008	0.004	0.004	Free Surface	0.731	0.045	0.004	0.03	0.028	0.908	1.066	Yes	0.058	0.275			
02161	2182	2181	8	267.26	0.015	0.053	0.053	Free Surface	2.002	0.129	0.035	0.086	0.104	1.454	1.486	Yes	0.088	1.947			
02162	2181	2180	8	148.57	0.015	0.057	0.057	Free Surface	2.039	0.134	0.038	0.089	0.108	1.451	1.478	Yes	0.104	1.631			
02163	2196	2197	8	202.93	0.017	0.004	0.004	Free Surface	0.967	0.037	0.003	0.025	0.028	1.321	1.596	Yes	0.033	0.642			
02164	2197	2198	8	192.94	0.009	0.008	0.008	Free Surface	0.932	0.061	0.007	0.04	0.04	0.994	1.117	Yes	0.067	0.444			
02165	2199	2200	8	124.9	0.013	0.004	0.004	Free Surface	0.866	0.04	0.003	0.027	0.028	1.141	1.363	Yes	0.034	0.607			
02166	2200	2201	8	224.78	0.008	0.008	0.008	Free Surface	0.911	0.062	0.007	0.041	0.04	0.964	1.081	Yes	0.046	0.782			
02167	2201	2202	8	147.84	0.008	0.012	0.012	Free Surface	1.022	0.075	0.011	0.05	0.049	0.979	1.069	Yes	0.054	0.925			
02168	2202	2203	8	114.75	0.008	0.016	0.016	Free Surface	1.123	0.086	0.015	0.057	0.057	1.005	1.079	Yes	0.062	0.993			
02169	2203	2204	8	104.95	0.006	0.02	0.02	Free Surface	1.108	0.1	0.021	0.067	0.064	0.914	0.961	Yes	0.07	1.037			
02170	2204	2198	8	221.63	0.006	0.024	0.024	Free Surface	1.169	0.11	0.025	0.073	0.07	0.922	0.96	Yes	0.083	0.967			
02171	2198	2180	8	324.03	0.005	0.036	0.036	Free Surface	1.227	0.14	0.042	0.093	0.086	0.853	0.865	Yes	0.106	1.019			
02172	2180	2179	8	173.28	0.013	0.097	0.097	Free Surface	2.307	0.178	0.069	0.119	0.142	1.414	1.402	No	0.119	2.307			
02173	2179	2177	8	163.23	0.019	0.101	0.101	Free Surface	2.629	0.168	0.061	0.112	0.145	1.665	1.659	No	0.112	2.629			
02174	2178	2177	8	309.34	0.005	0.004	0.004	Free Surface	0.646	0.049	0.005	0.032	0.028	0.77	0.893	Yes	0.07	0.208			
02175	2177	2176	8	222.26	0.026	0.109	0.109	Free Surface	2.999	0.161	0.057	0.108	0.151	1.937	1.937	No	0.108	2.999			
02176	2176	2174	8	118.51	0.055	0.113	0.113	Free Surface	3.955	0.137	0.04	0.091	0.154	2.785	2.829	Yes	0.091	3.937			
02177	2175	2174	8	398.7	0.006	0.004	0.004	Free Surface	0.661	0.048	0.004	0.032	0.028	0.793	0.922	Yes	0.062	0.249			
02178	2173	2172	8	279.9	0.005	0.004	0.004	Free Surface	0.618	0.05	0.005	0.033	0.028	0.726	0.838	Yes	0.064	0.237			
02179	2174	2172	8	266.71	0.061	0.122	0.122	Free Surface	4.199	0.138	0.041	0.092	0.159	2.947	2.992	Yes	0.093	4.108			
02180	2172	2171	8	155.13	0.061	0.13	0.13	Free Surface	4.289	0.142	0.043	0.094	0.164	2.964	3	Yes	0.096	4.212			
02181	2171	2169	8	161.87	0.059	0.134	0.134	Free Surface	4.266	0.145	0.046	0.097	0.167	2.91	2.938	Yes	0.097	4.255			
02182	2170	2169	8	246.58	0.029	0.004	0.004	Free Surface	1.159	0.033	0.002	0.022	0.028	1.683	2.07	Yes	0.06	0.263			
02183	2169	2168	8	106.43	0.065	0.142	0.142	Free Surface	4.501	0.146	0.046	0.097	0.172	3.065	3.094	Yes	0.099	4.364			
02184	2168	2167	8	140.55	0.058	0.146	0.146	Free Surface	4.354	0.152	0.05	0.101	0.175	2.901	2.916	Yes	0.103	4.279			
02185	2,167.00	2164	8	120.05	0.055	0.15	0.15	Free Surface	4.322	0.156	0.053	0.104	0.177	2.843	2.852	Yes	0.106	4.218			
02186	2165	2164	8	284.69	0.028	0.004	0.004	Free Surface	1.148	0.033	0.002	0.022	0.028	1.662	2.042	Yes	0.065	0.233			
02187	2164	2163	8	123.16	0.054	0.158	0.158	Free Surface	4.342	0.161	0.056	0.107	0.182	2.807	2.807	Yes	0.112	4.081			
02188	2163	2162	8	125.88	0.04	0.162	0.162	Free Surface	3.946	0.175	0.067	0.117	0.184	2.442	2.424	Yes	0.119	3.84			
02189	2160	2159	8	165.73	0.056	0.174	0.174	Free Surface	4.541	0.167	0.061	0.111	0.191	2.881	2.872	Yes	0.141	3.251			
02190	2159	2154	8	116.58	0.011	0.178	0.178	Free Surface	2.545	0.255	0.142	0.17	0.194	1.292	1.255	No	0.17	2.545			
02191	2,153.00	2154	8	86.5	0.009	0.004	0.004	Free Surface	0.77	0.043	0.004	0.029	0.028	0.975	1.151	Yes	0.099	0.125			
02192	2154	2155	8	57.99	0.012	0.186	0.186	Free Surface	2.662	0.255	0.142	0.17	0.198	1.351	1.312	Yes	0.175	2.551			
02193	2194	2205	8	305.48	0.055	0.004	0.004	Free Surface	1.441	0.028	0.001	0.019	0.028	2.254	2.835	Yes	0.026	0.917			
02194	2205	2206	8	391.22	0.022	0.008	0.008	Free Surface	1.298	0.049	0.005	0.032	0.04	1.549	1.797	Yes	0.042	0.891			
02195	2206	2207	8	321.23	0.007	0.012	0.012	Free Surface	0.992	0.077	0.012	0.051	0.049	0.94	1.023	Yes	0.056	0.87			
02196	2207	2208	8	271.04	0.006	0.016	0.016	Free Surface	1.028	0.091	0.017	0.061	0.057	0.893	0.951	Yes	0.063	0.978			
02197	2208	2209	8	223.3	0.007	0.02	0.02	Free Surface	1.164	0.097	0.02	0.065	0.064	0.977	1.032	No	0.065	1.164			
02198	2209	2210	8	273.28	0.027	0.024	0.024	Free Surface	1.949	0.077	0.012	0.052	0.07	1.835	1.995	Yes	0.057	1.691			
02199	2211	2212	8	212.98	0.043	0.004	0.004	Free Surface	1.326	0.03	0.002	0.02	0.028	2.017	2.515	Yes	0.024	1.043			
02200	2212	2210	8	104.63	0.048	0.008	0.008	Free Surface	1.696	0.041	0.003	0.027	0.04	2.218	2.643	Yes	0.045	0.808			
02201	2210	2214	8	309.41	0.028	0.036	0.036	Free Surface	2.229	0.093	0.018	0.062	0.086	1.912	2.029	Yes	0.064	2.117			
02202	2213	2214	8	221.35	0.043	0.004	0.004	Free Surface	1.325	0.03	0.002	0.02	0.028	2.014	2.513	Yes	0.043	0.422			
02203	2214	2216	8	269.9	0.031	0.045	0.045	Free Surface	2.461	0.1	0.021	0.067	0.095	2.037	2.144	Yes	0.068	2.368			
02204	2215	2216	8	290.47	0.015	0.004	0.004	Free Surface	0.928	0.038	0.003	0.025	0.028	1.251	1.505	Yes	0.048	0.365			
02205	2216	2218	8	302.64	0.035	0.053	0.053	Free Surface	2.696	0.105	0.023	0.07	0.104	2.173	2.273	No	0.07	2.696			
02206	2217	2218	8	341.66	0.013	0.004	0.004	Free Surface	0.884	0.039	0.003	0.026	0.028	1.171	1.401	Yes	0.046	0.38			
02207	2,218.00	2219	8	146.2	0.058	0.061	0.061	Free Surface	3.349	0.1	0.021	0.067	0.112	2.77	2.915	Yes	0.067	3.317			
02208	2219	2220	8	195.75	0.062	0.065	0.065	Free Surface	3.505	0.101	0.021	0.068	0.115	2.88	3.026	Yes	0.07	3.313			
02209	2166	2220	8	377.27	0.013	0.004	0.004	Free Surface	0.864	0.04	0.003	0.027	0.028	1.137	1.358	Yes	0.05	0.343			
02210	2220	2221	8	120.8	0.058	0.073	0.073	Free Surface	3.53	0.109	0.025	0.073	0.123	2.791	2.906	Yes	0.076	3.339			
02211	2221	2222	8	310.45	0.047	0.077	0.077	Free Surface	3.341	0.118	0.029	0.078	0.126	2.541	2.624	Yes	0.081	3.182			
02212	2222	2158	8	148.64	0.04	0.081	0.081	Free Surface	3.196	0.126	0.034	0.084	0.129	2.351	2.41	Yes	0.092	2.771			
02213	2158	2157	8	206.04	0.02	0.085	0.085	Free Surface	2.555	0.152	0.05	0.101	0.133	1.706	1.715	No	0.101	2.555			
02214	2157	2156	8	222.68	0.033	0.089	0.089	Free Surface	3.094	0.137	0.04	0.091	0.136	2.175	2.209	Yes	0.1	2.713			
02215	2156	2155	8	169.54	0.018	0.093	0.093	Free Surface	2.516	0.163	0.058	0.109	0.139	1.616	1.614	Yes	0.144	1.673			
02216	2155	2143	8	350.44	0.021	0.284	0.284	Free Surface	3.726	0.27	0.16	0.18	0.246	1.831	1.776	Yes	0.202	3.183			
02217	2162	2161	8	158.37	0.036	0.166	0.166	Free Surface	3.833	0.182	0.072	0.121	0.187	2.326	2.303	No	0.121	3.833			
02218	2161	2160	8	148.47	0.056	0.17	0.17	Free Surface	4.498	0.165	0.059	0.11	0.189	2.868	2.861	Yes	0.111	4.467			
02219	2224	2223	8	278.16	0.016	0.009	0.009	Free Surface	1.22	0.055	0.006	0.037	0.043	1.362	1.551	Yes	0.077	0.415			
02220	2223	2239	8	292.76	0.01	0.079	0.079	Free Surface	1.925	0.175	0.066	0.116	0.127	1.193	1.185	No	0.116	1.925			
02221	2239	2240	8	398.82	0.016	0.083	0.083	Free Surface	2.37	0.157	0.054	0.105	0.131	1.552	1.555	Yes	0.121	1.918			
02222	2240	2241	8	199.65	0.062	0.283	0.283	Free Surface	5.411	0.207	0.094	0.138	0.246	3.067	3.009	No	0.138	5.411			
02223	2,241.00	2242	8	202.34	0.109	0.287	0.287	Free Surface	6.654	0.181	0.072	0.121	0.248	4.045	4.005	Yes	0.124	6.431			
02224	2242	2243	8	209.37	0.093	0.292	0.292	Free Surface	6.321	0.19	0.079	0.127	0.25	3.749	3.699	Yes	0.131	6.021			
02225	2251	2250	8	192.06	0.006	0.005	0.005	Free Surface	0.71	0.05	0.005	0.033	0.03	0.836	0.966	Yes	0.041	0.531			
02226	2250	2249	8	223.31	0.005	0.009	0.009	Free Surface	0.832	0.072	0.01	0.048	0.043	0.815	0.896	Yes	0.067	0.504			
02227	2249	2248	8	350.37	0.006	0.032	0.032	Free Surface	1.218	0.13	0.036	0.087	0.081	0.88	0.899	Yes	0.089	1.162			
02228	2248	2247	8	146.29	0.006	0.037	0.037	Free Surface	1.27	0.138	0.041	0.092	0.087	0.889	0.902	Yes	0.092	1.264			
02229	2247	2246	8	100.87	0.007	0.042	0.042	Free Surface	1.416	0.139	0.042	0.093	0.092	0.988	1.002	Yes	0.096	1.344			
02230	2246	2245	8	161.84	0.006	0.046	0.046	Free Surface	1.42	0.149	0.048	0.1	0.097	0.955	0.962	Yes	0.148	0.801			
02231	2245	2244	8	82.44	0.007	0.19	0.19	Free Surface	2.202	0.296	0.19	0.197	0.2	1.031	0.999	Yes	0.198	2.188			
02232	2244	2240	8	106.23	0.007	0.195	0.195	Free Surface	2.226	0.298	0.194	0.199	0.203	1.037	1.004	No	0.199	2.226			
02233	2255	2254	8	104.59	0.076	0.005	0.005	Free Surface	1.679	0.028	0.001	0.019	0.03	2.643	3.332	Yes	0.021	1.385			
02234	2254	2253	8	111.32	0.106	0.009	0.009	Free Surface	2.335	0.036	0.002	0.024	0.043	3.251	3.948	Yes	0.027	1.939			

02235	2253	2252	8	288.24	0.087	0.014	0.014	Free Surface	2.467	0.045	0.004	0.03	0.053	3.049	3.575	Yes	0.035	1.949			
02236	2252	2249	8	160.45	0.044	0.019	0.019	Free Surface	2.121	0.061	0.007	0.041	0.061	2.257	2.536	Yes	0.064	1.093			
02237	2238	2237	8	251.52	0.005	0.005	0.005	Free Surface	0.668	0.052	0.005	0.035	0.03	0.77	0.884	No	0.035	0.668			
02238	2237	2228	8	249.87	0.026	0.009	0.009	Free Surface	1.435	0.05	0.005	0.033	0.043	1.693	1.959	No	0.033	1.435			
02239	2228	2227	8	199.79	0.089	0.014	0.014	Free Surface	2.488	0.045	0.004	0.03	0.053	3.085	3.62	Yes	0.032	2.265			
02240	2227	2226	8	92.61	0.094	0.019	0.019	Free Surface	2.765	0.051	0.005	0.034	0.061	3.222	3.714	Yes	0.036	2.552			
02241	2226	2225	8	142.97	0.094	0.023	0.023	Free Surface	2.957	0.057	0.006	0.038	0.068	3.268	3.709	Yes	0.057	1.586			
02242	2225	2223	8	211.11	0.035	0.065	0.065	Free Surface	2.878	0.116	0.028	0.077	0.115	2.207	2.282	Yes	0.097	2.07			
02243	2236	2235	8	365.25	0.065	0.005	0.005	Free Surface	1.592	0.029	0.002	0.019	0.03	2.462	3.086	Yes	0.024	1.133			
02244	2235	2234	8	58.92	0.044	0.009	0.009	Free Surface	1.719	0.044	0.004	0.029	0.043	2.157	2.54	Yes	0.034	1.366			
02245	2234	2233	8	60.36	0.029	0.014	0.014	Free Surface	1.68	0.059	0.007	0.039	0.053	1.822	2.057	Yes	0.05	1.184			
02246	2233	2232	8	174.46	0.008	0.019	0.019	Free Surface	1.191	0.09	0.017	0.06	0.061	1.039	1.108	Yes	0.066	1.035			
02247	2232	2229	8	51.05	0.006	0.023	0.023	Free Surface	1.139	0.108	0.025	0.072	0.068	0.906	0.944	No	0.072	1.139			
02248	2229	2225	8	101	0.048	0.037	0.037	Free Surface	2.694	0.083	0.014	0.055	0.087	2.453	2.644	Yes	0.066	2.061			
02249	2231	2230	8	139.58	0.073	0.005	0.005	Free Surface	1.655	0.028	0.001	0.019	0.03	2.593	3.264	Yes	0.021	1.375			
02250	2230	2229	8	86.45	0.106	0.009	0.009	Free Surface	2.333	0.036	0.002	0.024	0.043	3.248	3.944	Yes	0.04	1.103			
02251	2263	2262	8	180.33	0.04	0.005	0.005	Free Surface	1.341	0.033	0.002	0.022	0.03	1.957	2.411	Yes	0.026	1.016			
02252	2262	2261	8	69.54	0.036	0.009	0.009	Free Surface	1.61	0.046	0.004	0.031	0.043	1.975	2.311	Yes	0.034	1.381			
02253	2261	2260	8	71.28	0.035	0.014	0.014	Free Surface	1.803	0.056	0.006	0.037	0.053	2.004	2.278	Yes	0.044	1.414			
02254	2,260.00	2259	8	114.85	0.039	0.028	0.028	Free Surface	2.296	0.076	0.012	0.051	0.075	2.185	2.382	Yes	0.053	2.149			
02255	2259	2258	8	67.3	0.036	0.032	0.032	Free Surface	2.353	0.083	0.014	0.055	0.081	2.141	2.307	No	0.055	2.353			
02256	2258	2257	8	117.29	0.05	0.037	0.037	Free Surface	2.749	0.082	0.014	0.054	0.087	2.521	2.722	Yes	0.057	2.592			
02257	2257	2256	8	76.92	0.046	0.042	0.042	Free Surface	2.756	0.088	0.016	0.059	0.092	2.429	2.596	Yes	0.086	1.587			
02258	2256	2245	8	104.93	0.034	0.139	0.139	Free Surface	3.56	0.169	0.062	0.113	0.17	2.244	2.235	Yes	0.155	2.259			
02259	2265	2264	8	141.73	0.007	0.005	0.005	Free Surface	0.739	0.049	0.005	0.032	0.03	0.882	1.023	Yes	0.034	0.684			
02260	2264	2260	8	71.51	0.018	0.009	0.009	Free Surface	1.271	0.054	0.006	0.036	0.043	1.44	1.646	Yes	0.043	0.965			
02261	2272	2271	8	184.07	0.043	0.005	0.005	Free Surface	1.379	0.032	0.002	0.021	0.03	2.032	2.51	Yes	0.032	0.77			
02262	2271	2270	8	36.25	0.01	0.009	0.009	Free Surface	1.015	0.063	0.008	0.042	0.043	1.064	1.191	Yes	0.064	0.546			
02263	2270	2268	8	57.7	0.03	0.074	0.074	Free Surface	2.835	0.128	0.035	0.085	0.124	2.063	2.11	Yes	0.086	2.796			
02264	2268	2266	8	149.65	0.035	0.083	0.083	Free Surface	3.103	0.131	0.037	0.087	0.131	2.236	2.282	Yes	0.089	3.03			
02265	2266	2256	8	76.52	0.038	0.093	0.093	Free Surface	3.289	0.135	0.039	0.09	0.138	2.331	2.371	Yes	0.101	2.767			
02266	2267	2266	8	125.74	0.012	0.005	0.005	Free Surface	0.876	0.043	0.004	0.029	0.03	1.107	1.306	Yes	0.059	0.302			
02267	2269	2268	8	120.61	0.009	0.005	0.005	Free Surface	0.803	0.046	0.004	0.031	0.03	0.985	1.152	Yes	0.059	0.306			
02268	2279	2278	8	113.89	0.026	0.005	0.005	Free Surface	1.158	0.036	0.002	0.024	0.03	1.607	1.95	Yes	0.028	0.906			
02269	2278	2277	8	190.54	0.028	0.009	0.009	Free Surface	1.469	0.049	0.005	0.033	0.043	1.748	2.026	Yes	0.045	0.897			
02270	2277	2275	8	123.37	0.048	0.042	0.042	Free Surface	2.794	0.087	0.016	0.058	0.092	2.474	2.647	Yes	0.073	1.991			
02271	2,275.00	2273	8	143.97	0.012	0.051	0.051	Free Surface	1.851	0.133	0.038	0.089	0.102	1.322	1.347	Yes	0.089	1.825			
02272	2273	2270	8	92.18	0.016	0.06	0.06	Free Surface	2.127	0.135	0.039	0.09	0.111	1.505	1.53	No	0.09	2.127			
02273	2274	2273	8	123.15	0.007	0.005	0.005	Free Surface	0.743	0.048	0.004	0.032	0.03	0.887	1.03	Yes	0.061	0.288			
02274	2,276.00	2275	8	116.94	0.007	0.005	0.005	Free Surface	0.726	0.049	0.005	0.033	0.03	0.86	0.996	Yes	0.061	0.293			
02275	2280	2277	8	152.72	0.055	0.028	0.028	Free Surface	2.602	0.07	0.01	0.046	0.075	2.585	2.85	Yes	0.052	2.18			
02276	2285	2280	8	127.68	0.027	0.014	0.014	Free Surface	1.639	0.06	0.007	0.04	0.053	1.762	1.986	Yes	0.043	1.453			
02277	2284	2285	8	55.93	0.023	0.009	0.009	Free Surface	1.374	0.051	0.005	0.034	0.043	1.598	1.84	Yes	0.037	1.22			
02278	2283	2284	8	46.39	0.01	0.005	0.005	Free Surface	0.836	0.045	0.004	0.03	0.03	1.039	1.22	Yes	0.032	0.755			
02279	2282	2281	8	77.88	0.023	0.005	0.005	Free Surface	1.104	0.037	0.003	0.025	0.03	1.508	1.821	Yes	0.028	0.897			
02280	2281	2280	8	108.3	0.029	0.009	0.009	Free Surface	1.494	0.048	0.004	0.032	0.043	1.788	2.076	Yes	0.039	1.11			
02281	2286	2287	8	275.33	0.015	0.002	0.002	Free Surface	0.735	0.028	0.001	0.019	0.02	1.163	1.468	Yes	0.022	0.568			
02282	2287	2288	8	244.54	0.015	0.004	0.004	Free Surface	0.911	0.038	0.003	0.026	0.028	1.226	1.474	Yes	0.026	0.908			
02283	2288	2292	8	229.31	0.033	0.006	0.006	Free Surface	1.358	0.038	0.003	0.026	0.035	1.823	2.19	Yes	0.037	0.784			
02284	2289	2290	8	255.31	0.024	0.002	0.002	Free Surface	0.867	0.025	0.001	0.017	0.02	1.451	1.864	Yes	0.026	0.445			
02285	2290	2068	8	131.68	0.004	0.004	0.004	Free Surface	0.564	0.053	0.005	0.035	0.028	0.645	0.739	Yes	0.086	0.151			
02286	2291	2292	8	149.22	0.029	0.002	0.002	Free Surface	0.936	0.024	0.001	0.016	0.02	1.605	2.078	Yes	0.032	0.323			
02287	2292	2293	8	114.4	0.006	0.01	0.01	Free Surface	0.877	0.073	0.011	0.049	0.045	0.852	0.934	Yes	0.052	0.791			
02288	2293	2071	8	35.13	0.005	0.012	0.012	Free Surface	0.863	0.083	0.014	0.056	0.049	0.783	0.843	No	0.056	0.863			
02289	2329	2328	8	120.45	0.058	0.025	0.025	Free Surface	2.566	0.066	0.009	0.044	0.071	2.632	2.927	Yes	0.052	1.997			
02290	2328	2327	8	143.38	0.019	0.028	0.028	Free Surface	1.814	0.09	0.017	0.06	0.076	1.585	1.69	Yes	0.067	1.521			
02291	2327	2326	8	104.57	0.041	0.066	0.066	Free Surface	3.035	0.113	0.027	0.075	0.116	2.362	2.451	Yes	0.079	2.84			
02292	2326	2325	8	91	0.031	0.069	0.069	Free Surface	2.793	0.123	0.032	0.082	0.119	2.076	2.133	Yes	0.082	2.791			
02293	2325	2319	8	102.7	0.034	0.072	0.072	Free Surface	2.917	0.123	0.032	0.082	0.122	2.168	2.227	Yes	0.092	2.481			
02294	2319	2318	8	28.16	0.022	0.091	0.091	Free Surface	2.705	0.152	0.05	0.101	0.137	1.803	1.812	Yes	0.117	2.212			
02295	2324	2323	8	135.83	0.02	0.003	0.003	Free Surface	0.93	0.032	0.002	0.021	0.025	1.37	1.692	Yes	0.025	0.735			
02296	2323	2322	8	179.7	0.022	0.006	0.006	Free Surface	1.2	0.043	0.003	0.029	0.035	1.524	1.801	Yes	0.031	1.074			
02297	2322	2321	8	96.4	0.027	0.009	0.009	Free Surface	1.452	0.05	0.005	0.033	0.043	1.714	1.982	Yes	0.034	1.408			
02298	2321	2320	8	57.82	0.04	0.012	0.012	Free Surface	1.822	0.052	0.005	0.034	0.05	2.106	2.422	Yes	0.046	1.187			
02299	2320	2319	8	128.81	0.007	0.016	0.016	Free Surface	1.066	0.086	0.015	0.058	0.056	0.95	1.018	Yes	0.079	0.665			
02300	2318	2317	8	104.88	0.008	0.094	0.094	Free Surface	1.919	0.198	0.085	0.132	0.139	1.115	1.097	Yes	0.137	1.808			
02301	2317	2316	8	128.49	0.006	0.097	0.097	Free Surface	1.766	0.214	0.101	0.143	0.142	0.983	0.962	No	0.143	1.766			
02302	2316	2315	8	118.67	0.008	0.1	0.1	Free Surface	1.954	0.204	0.091	0.136	0.144	1.116	1.095	Yes	0.15	1.7			
02303	2315	2314	8	147.71	0.011	0.166	0.166	Free Surface	2.484	0.246	0.133	0.164	0.186	1.284	1.249	No	0.164	2.484			
02304	2314	2313	8	115.7	0.017	0.169	0.169	Free Surface	2.919	0.222	0.108	0.148	0.188	1.593	1.557	Yes	0.148	2.917			
02305	2313	2312	8	77.95	0.017	0.172	0.172	Free Surface	2.969	0.222	0.109	0.148	0.19	1.62	1.583	Yes	0.17	2.446			
02306	2312	2311	8	247.29	0.006	0.175	0.175	Free Surface	2.104	0.288	0.181	0.192	0.192	0.999	0.968	Yes	0.194	2.071			
02307	2311	2310	8	247.36	0.006	0.178	0.178	Free Surface	2.076	0.294	0.189	0.196	0.194	0.974	0.943	Yes	0.198	2.052			
02308	2310	2309	8	367.21	0.006	0.181	0.181	Free Surface	2.064	0.299	0.195	0.2	0.195	0.959	0.929	No	0.2	2.064			
02309	2,309.00	2308	8	425.38	0.024	0.184	0.184	Free Surface	3.411	0.212	0.099	0.141	0.197	1.909	1.87	No	0.141	3.411			
02310	2308	2307	8	392.42	0.033	0.187	0.187	Free Surface	3.854	0.197	0.085	0.131	0.199	2.243	2.207	No	0.131	3.854			
02311	2307	2305	8	370.67	0.041	0.191	0.191	Free Surface	4.17	0.189	0.078	0.126	0.2	2.482	2.45	No	0.126	4.17			
02312	2306	2305	8	78.79	0.014	0.003	0.003	Free Surface	0.828	0.035	0.002	0.023	0.025	1.173	1.432	Yes	0.069	0.162			
02313	2305	2304	8	214.23	0.062	0.197	0.197	Free Surface	4.86	0.173	0.065	0.116	0.204	3.024	3.005	Yes	0.116	4.81			
02314	2304	2303	8	342.32	0.06	0.2	0.2	Free Surface	4.837	0.176	0.067	0.117	0.205	2.987	2.965	Yes	0.128	4.261			
02315	2303	2302	8	301.31	0.031	0.203	0.203	Free Surface	3.854	0.208	0.095	0.139	0.207	2.178	2.135	Yes	0.175	2.776			
02316	2302	2301	8	243.77	0.006	0.206	0.206	Free Surface	2.17	0.317	0.218	0.211	0.209	0.977	0.947	No	0.211	2.17			
02317	2301	2299	8	243.46	0.028	0.209	0.209	Free Surface	3.761	0.216	0.103	0.144	0.21	2.082	2.037	Yes	0.182	2.714			
02318	2300	2299	8	89.52	0.016	0.003	0.003	Free Surface	0.876	0.033	0.002	0.022	0.025	1.265	1.553	Yes	0.121	0.072			
02319	2299	2298	8	165.79	0.006	0.216	0.216	Free Surface	2.155	0.329	0.234	0.219	0.214	0.95	0.922	No	0.219	2.155			
02320	2298	2297	8	151.39	0.007	0.219	0.219	Free Surface	2.285	0.319	0.22	0.212	0.215	1.026	0.995	No	0.212	2.285			
02321	2297	2296	8	158.18	0.008	0.222	0.222	Free Surface	2.457	0.305	0.203	0.204	0.217	1.129	1.094	Yes	0.216	2.26			
02322	2,296.00	2295	8	351.7	0.005	0.225	0.225	Free Surface	2.119	0.344	0.254	0.229	0.218	0.912	0.886	No	0.229	2.119			
02323	2295	2294	8	315.83	0.016	0.228	0.228	Free Surface	3.152	0.261	0.149	0.174	0.22	1.58	1.534	Yes	0.667	0.653			
02324	2294	87	8	84.6	0.008	0.231	0.231	Free Surface	2.446	0.316	0.216	0.21	0.222	1.104	1.07	Yes	0.223	2.262			
02325	2334	2333	8	95.72	0.015	0.016	0.016	Free Surface	1.388	0.072	0.011	0.048	0.056	1.354	1.486	Yes	0.052	1.23			
02326	2333	2332	8	103.26	0.011	0.019	0.019	Free Surface	1.32	0.085	0.015	0.056	0.062	1.19	1.279	No	0.056	1.32			
02327	2332	2331	8	97.94	0.017	0.022	0.022	Free Surface	1.592	0.083	0.014	0.055	0.067	1.45	1.563	Yes	0.062	1.342			
02328	2331	2330	8	116.74	0.013	0.031	0.031	Free Surface	1.645	0.103	0.022	0.069	0.08	1.34	1.405	No	0.069	1.645			
02329	2330	2327	8	157.61	0.098	0.034	0.034	Free Surface	3.39	0.067	0.009	0.045	0.084	3.43	3.801	Yes	0.06	2.21			
02330	2342	2343	8	160.53	0.049	0.037	0.037	Free Surface	2.727	0.083	0.014	0.055	0.087	2.484	2.678	Yes	0.059	2.479			
02331	2343	2336	8	131.37	0.034	0.041	0.041	Free Surface	2.455	0.094	0.018	0.063	0.091	2.098	2.225	Yes	0.079	1.729			
02332	2336	2335	8	131.76	0.012	0.059	0.059	Free Surface	1.908	0.145	0.045	0.096	0.11	1.305	1.318	No	0.096	1.908			
02333	2335	2315	8	86.2	0.176	0.062	0.062	Free Surface	4.973	0.078	0.012	0.052	0.113	4.674	5.078	Yes	0.108	1.704			
02334	2341	2340	8	143.14	0.018	0.003	0.003	Free Surface	0.907	0.033	0.002	0.022	0.025	1.325	1.633	Yes	0.023	0.853			
02335	2340	2339	8	94.24	0.051	0.006	0.006	Free Surface	1.606	0.035	0.002	0.024	0.035	2.252	2.74	Yes	0.027	1.29			
02336	2339	2338	8	84.55	0.035	0.009	0.009	Free Surface	1.6	0.047	0.004	0.031	0.043	1.951	2.278	Yes	0.039	1.135			

02337	2338	2337	8	94.68	0.011	0.012	0.012	Free Surface	1.147	0.071	0.01	0.047	0.05	1.131	1.245	Yes	0.052	0.979			
02338	2337	2336	8	129.08	0.007	0.016	0.016	Free Surface	1.061	0.087	0.015	0.058	0.056	0.944	1.012	Yes	0.077	0.695			
02339	2344	2342	8	149.01	0.021	0.034	0.034	Free Surface	1.992	0.097	0.019	0.064	0.084	1.677	1.773	No	0.064	1.992			
02340	1239	2350	12	160.99	0.007	0.433	0.433	Free Surface	2.712	0.257	0.145	0.257	0.272	1.118	2.993	Yes	0.258	2.699			
02341	2350	2349	12	224.3	0.007	0.439	0.439	Free Surface	2.72	0.259	0.147	0.259	0.274	1.117	2.989	Yes	0.273	2.519			
02342	2349	2348	12	65.33	0.005	0.441	0.441	Free Surface	2.358	0.288	0.181	0.288	0.275	0.914	2.441	Yes	0.305	2.176			
02343	2348	2347	12	285.11	0.003	0.447	0.447	Free Surface	2.044	0.322	0.225	0.322	0.277	0.744	1.989	Yes	0.323	2.034			
02344	2347	2346	12	100.32	0.003	0.453	0.453	Free Surface	2.051	0.324	0.228	0.324	0.279	0.744	1.989	No	0.324	2.051			
02345	2346	2345	12	192.24	0.003	0.456	0.456	Free Surface	2.136	0.316	0.217	0.316	0.279	0.786	2.099	Yes	0.324	2.063			
02346	2345	1222	12	288.19	0.003	0.461	0.461	Free Surface	2.012	0.333	0.24	0.333	0.281	0.719	1.923	No	0.333	2.012			
02347	2351	2353	8	5	0.192	0.015	0.015	Free Surface	3.355	0.04	0.003	0.026	0.056	4.439	5.309	Yes	0.053	1.184			
02348	2354	2345	8	367.41	0.005	0.003	0.003	Free Surface	0.565	0.042	0.003	0.028	0.024	0.728	0.864	Yes	0.218	0.028			
02349	2361	2347	8	369.74	0.006	0.003	0.003	Free Surface	0.612	0.04	0.003	0.026	0.024	0.811	0.97	Yes	0.096	0.091			
02350	2360	2348	8	367.3	0.008	0.003	0.003	Free Surface	0.665	0.037	0.003	0.025	0.024	0.906	1.093	Yes	0.031	0.479			
02351	2359	2350	8	377.93	0.005	0.003	0.003	Free Surface	0.569	0.042	0.003	0.028	0.024	0.735	0.873	Yes	0.143	0.051			
02352	2358	2357	8	204.43	0.005	0.003	0.003	Free Surface	0.561	0.042	0.003	0.028	0.024	0.721	0.855	Yes	0.032	0.45			
02353	2357	2356	8	356.01	0.004	0.006	0.006	Free Surface	0.663	0.06	0.007	0.04	0.034	0.712	0.802	Yes	0.044	0.58			
02354	2356	2355	8	354.66	0.005	0.008	0.008	Free Surface	0.77	0.071	0.01	0.047	0.041	0.758	0.834	Yes	0.05	0.721			
02355	2355	2353	8	283.88	0.006	0.011	0.011	Free Surface	0.902	0.077	0.012	0.052	0.048	0.85	0.924	Yes	0.066	0.63			
02356	2365	2366	8	308.02	0.005	0.002	0.002	Free Surface	0.493	0.033	0.002	0.022	0.018	0.72	0.887	Yes	0.03	0.311			
02357	2,366.00	2368	8	256.43	0.005	0.005	0.005	Free Surface	0.658	0.056	0.006	0.037	0.032	0.729	0.829	Yes	0.041	0.585			
02358	2368	2369	8	262.24	0.004	0.007	0.007	Free Surface	0.7	0.066	0.009	0.044	0.037	0.718	0.799	Yes	0.05	0.581			
02359	2369	2370	8	156.54	0.005	0.012	0.012	Free Surface	0.862	0.083	0.014	0.055	0.049	0.784	0.844	Yes	0.075	0.552			
02360	2370	1549	8	190.38	0.001	0.014	0.014	Free Surface	0.45	0.142	0.043	0.095	0.052	0.31	0.314	No	0.095	0.45			
02361	2,372.00	2371	8	391.39	0.004	0.002	0.002	Free Surface	0.436	0.035	0.002	0.024	0.018	0.61	0.743	Yes	0.027	0.356			
02362	2371	2369	8	159.01	0.005	0.003	0.003	Free Surface	0.594	0.046	0.004	0.031	0.026	0.73	0.854	Yes	0.043	0.358			
02363	2362	2363	8	151.27	0.006	0.002	0.002	Free Surface	0.525	0.031	0.002	0.021	0.018	0.783	0.97	Yes	0.026	0.374			
02364	2363	1656	8	288.39	0.004	0.003	0.003	Free Surface	0.568	0.047	0.004	0.032	0.026	0.687	0.801	Yes	0.043	0.363			
02365	2364	1656	8	147.77	0	0.002	0.002	Free Surface	0.212	0.057	0.006	0.038	0.018	0.233	0.264	Yes	0.046	0.162			
02366	2367	2366	8	148.84	0.004	0.002	0.002	Free Surface	0.428	0.036	0.002	0.024	0.018	0.596	0.723	Yes	0.031	0.295			
02367	2375	2374	8	288.32	0.005	0.002	0.002	Free Surface	0.478	0.032	0.002	0.021	0.018	0.705	0.871	Yes	0.025	0.386			
02368	2374	2373	8	293.85	0.007	0.003	0.003	Free Surface	0.642	0.042	0.003	0.028	0.025	0.827	0.982	Yes	0.032	0.522			
02369	2383	2373	8	102.05	0.028	0.006	0.006	Free Surface	1.311	0.041	0.003	0.027	0.036	1.702	2.025	Yes	0.032	1.054			
02370	2381	2380	8	232.61	0.005	0.002	0.002	Free Surface	0.456	0.033	0.002	0.022	0.018	0.662	0.814	Yes	0.024	0.396			
02371	2380	2379	8	249.03	0.008	0.003	0.003	Free Surface	0.697	0.039	0.003	0.026	0.025	0.925	1.107	Yes	0.031	0.544			
02372	2379	2378	8	168.36	0.005	0.005	0.005	Free Surface	0.66	0.054	0.006	0.036	0.031	0.748	0.856	Yes	0.038	0.604			
02373	2,378.00	2377	8	250.02	0.005	0.006	0.006	Free Surface	0.74	0.06	0.007	0.04	0.036	0.792	0.89	Yes	0.043	0.682			
02374	2377	2376	8	252.23	0.005	0.008	0.008	Free Surface	0.79	0.067	0.009	0.045	0.04	0.8	0.886	No	0.045	0.79			
02375	2376	2382	8	398.05	0.02	0.01	0.01	Free Surface	1.309	0.054	0.006	0.036	0.044	1.481	1.692	Yes	0.064	0.562			
02376	2384	2385	8	212.28	0.004	0.002	0.002	Free Surface	0.449	0.033	0.002	0.022	0.018	0.649	0.798	Yes	0.029	0.302			
02377	2385	1620	8	253.02	0.002	0.003	0.003	Free Surface	0.443	0.053	0.006	0.036	0.025	0.503	0.576	No	0.036	0.443			
02378	2386	2387	8	276.93	0.007	0.003	0.003	Free Surface	0.656	0.043	0.003	0.028	0.026	0.837	0.99	Yes	0.056	0.243			
02379	2,387.00	1999	8	74.66	0.01	0.041	0.041	Free Surface	1.629	0.124	0.033	0.083	0.091	1.206	1.238	Yes	0.14	0.761			
02380	2388	2387	8	269.46	0.006	0.034	0.034	Free Surface	1.251	0.131	0.037	0.087	0.083	0.901	0.919	No	0.087	1.251			
02381	2,389.00	2388	8	274.84	0.006	0.02	0.02	Free Surface	1.09	0.102	0.022	0.068	0.064	0.894	0.939	Yes	0.078	0.893			
02382	2,390.00	2389	8	300.43	0.005	0.017	0.017	Free Surface	0.971	0.097	0.02	0.065	0.058	0.816	0.862	Yes	0.066	0.939			
02383	2391	2390	8	298.99	0.005	0.014	0.014	Free Surface	0.893	0.088	0.016	0.059	0.052	0.787	0.841	Yes	0.062	0.832			
02384	2392	2391	8	302.29	0.005	0.01	0.01	Free Surface	0.842	0.076	0.012	0.05	0.045	0.803	0.876	Yes	0.055	0.747			
02385	2393	2394	8	158.55	0.008	0.003	0.003	Free Surface	0.709	0.04	0.003	0.027	0.026	0.927	1.106	Yes	0.034	0.495			
02386	2394	2395	8	395.42	0.005	0.007	0.007	Free Surface	0.742	0.063	0.008	0.042	0.037	0.779	0.872	Yes	0.046	0.649			
02387	2395	2388	8	390.16	0.006	0.01	0.01	Free Surface	0.86	0.074	0.011	0.05	0.045	0.827	0.904	Yes	0.068	0.536			
02388	2396	2397	8	401.59	0.007	0.003	0.003	Free Surface	0.674	0.042	0.003	0.028	0.026	0.866	1.028	Yes	0.033	0.514			
02389	2397	2398	8	399.3	0.007	0.007	0.007	Free Surface	0.819	0.059	0.007	0.039	0.037	0.89	1.005	Yes	0.043	0.704			
02390	2398	1997	8	403.66	0.007	0.01	0.01	Free Surface	0.921	0.071	0.01	0.047	0.045	0.906	0.996	Yes	0.113	0.258			
02391	2400	2399	8	297.33	0.006	0.003	0.003	Free Surface	0.648	0.043	0.003	0.029	0.026	0.822	0.971	Yes	0.035	0.489			
02392	2399	2392	8	184.6	0.006	0.007	0.007	Free Surface	0.772	0.061	0.007	0.041	0.037	0.821	0.922	Yes	0.045	0.652			
02393	2409	2410	15	331.87	0.003	0.238	0.238	Free Surface	1.573	0.181	0.071	0.226	0.188	0.7	3.335	No	0.226	1.573			
02394	2410	2411	15	323.57	0.014	0.241	0.241	Free Surface	2.818	0.122	0.032	0.153	0.19	1.536	7.604	Yes	0.174	2.336			
02395	2411	2412	15	320.75	0.005	0.244	0.244	Free Surface	2.007	0.156	0.052	0.195	0.191	0.965	4.66	Yes	0.201	1.91			
02396	2408	2407	8	249.86	0.006	0.135	0.135	Free Surface	1.92	0.255	0.143	0.17	0.168	0.973	0.945	Yes	0.188	1.664			
02397	2407	2406	8	254.28	0.003	0.138	0.138	Free Surface	1.5	0.31	0.209	0.207	0.17	0.683	0.662	No	0.207	1.5			
02398	2406	2403	8	320.26	0.006	0.142	0.142	Free Surface	1.919	0.264	0.153	0.176	0.172	0.954	0.926	No	0.176	1.919			
02399	2405	2404	8	270.18	0.005	0.003	0.003	Free Surface	0.595	0.045	0.004	0.03	0.026	0.734	0.86	Yes	0.037	0.447			
02400	2404	2403	8	237.75	0.004	0.007	0.007	Free Surface	0.704	0.065	0.008	0.043	0.037	0.726	0.809	Yes	0.098	0.211			
02401	2403	2402	8	353	0.012	0.152	0.152	Free Surface	2.499	0.23	0.116	0.153	0.178	1.339	1.306	Yes	0.17	2.16			
02402	2402	2401	8	350	0.006	0.155	0.155	Free Surface	1.937	0.28	0.172	0.187	0.18	0.933	0.904	No	0.187	1.937			
02403	2401	2412	8	129.82	0.014	0.159	0.159	Free Surface	2.701	0.225	0.111	0.15	0.182	1.465	1.431	Yes	0.179	2.102			
02404	2424	2423	8	347.53	0.005	0.089	0.089	Free Surface	1.62	0.215	0.101	0.143	0.136	0.901	0.882	No	0.143	1.62			
02405	2423	2422	8	350.85	0.009	0.093	0.093	Free Surface	2.011	0.19	0.079	0.126	0.138	1.194	1.179	Yes	0.127	1.992			
02406	2,422.00	2421	8	349.41	0.01	0.096	0.096	Free Surface	2.044	0.192	0.081	0.128	0.141	1.205	1.188	Yes	0.131	1.985			
02407	2421	2420	8	351.56	0.009	0.099	0.099	Free Surface	1.996	0.2	0.088	0.133	0.143	1.152	1.132	Yes	0.141	1.852			
02408	2420	2419	8	350.85	0.006	0.103	0.103	Free Surface	1.784	0.222	0.108	0.148	0.146	0.975	0.953	No	0.148	1.784			
02409	2419	2413	8	363.54	0.01	0.106	0.106	Free Surface	2.127	0.2	0.088	0.134	0.148	1.227	1.206	Yes	0.172	1.487			
02410	2413	2409	8	330.81	0.008	0.234	0.234	Free Surface	2.482	0.315	0.216	0.21	0.223	1.121	1.086	Yes	0.218	2.36			
02411	2,434.00	2432	8	167.01	0.014	0.013	0.013	Free Surface	1.306	0.068	0.009	0.045	0.052	1.313	1.452	Yes	0.052	1.081			
02412	2433	2432	8	125.03	0.015	0.003	0.003	Free Surface	0.875	0.035	0.002	0.023	0.026	1.23	1.497	Yes	0.041	0.385			
02413	2432	2431	8	90.38	0.012	0.02	0.02	Free Surface	1.372	0.087	0.016	0.058	0.064	1.219	1.306	Yes	0.061	1.278			
02414	2431	2430	8	142.86	0.011	0.024	0.024	Free Surface	1.394	0.095	0.019	0.064	0.069	1.181	1.25	Yes	0.072	1.162			
02415	2,430.00	2429	8	218.69	0.005	0.027	0.027	Free Surface	1.131	0.12	0.031	0.08	0.074	0.85	0.875	Yes	0.092	0.934			
02416	2435	2429	8	215.14	0.018	0.017	0.017	Free Surface	1.501	0.072	0.01	0.048	0.058	1.465	1.608	Yes	0.075	0.774			
02417	2429	2428	8	149.81	0.006	0.047	0.047	Free Surface	1.382	0.154	0.051	0.103	0.098	0.914	0.918	Yes	0.106	1.329			
02418	2428	2427	8	153.44	0.005	0.051	0.051	Free Surface	1.37	0.163	0.057	0.108	0.102	0.881	0.88	No	0.108	1.37			
02419	2438	2437	8	94.42	0.013	0.003	0.003	Free Surface	0.818	0.037	0.002	0.024	0.026	1.124	1.36	Yes	0.03	0.598			
02420	2437	2436	8	247.19	0.01	0.007	0.007	Free Surface	0.923	0.054	0.006	0.036	0.037	1.045	1.194	Yes	0.045	0.669			
02421	2436	2427	8	174.38	0.004	0.01	0.01	Free Surface	0.772	0.08	0.013	0.053	0.045	0.714	0.773	Yes	0.081	0.419			
02422	2427	2426	8	124.96	0.008	0.064	0.064	Free Surface	1.736	0.163	0.057	0.108	0.115	1.117	1.116	Yes	0.119	1.515			
02423	2426	2425	8	191.75	0.004	0.067	0.067	Free Surface	1.408	0.195	0.083	0.13	0.118	0.824	0.811	Yes	0.136	1.321			
02424	2425	2414	8	215.59	0.007	0.101	0.101	Free Surface	1.865	0.213	0.099	0.142	0.145	1.042	1.021	Yes	0.145	1.801			
02425	2439	2440	8	398.93	0.005	0.017	0.017	Free Surface	0.97	0.097	0.02	0.065	0.058	0.814	0.86	No	0.065	0.97			
02426	2,440.00	2441	8	135.46	0.009	0.02	0.02	Free Surface	1.244	0.093	0.018	0.062	0.064	1.069	1.136	Yes	0.068	1.078			
02427	2441	2442	8	157.32	0.005	0.024	0.024	Free Surface	1.104	0.112	0.026	0.075	0.069	0.863	0.896	Yes	0.077	1.055			
02428	2442	2443	8	205.07	0.006	0.027	0.027	Free Surface	1.153	0.119	0.03	0.079	0.074	0.872	0.899	Yes	0.081	1.107			
02429	2443	2425	8	271.68	0.006	0.03	0.03	Free Surface	1.198	0.126	0.034	0.084	0.079	0.881	0.903	Yes	0.113	0.777			
02430	2418	2417	8	400.71	0.006	0.01	0.01	Free Surface	0.858	0.075	0.011	0.05	0.045	0.824	0.9	Yes	0.054	0.762			
02431	2417	2416	8	380.77	0.005	0.013	0.013	Free Surface	0.91	0.087	0.016	0.058	0.052	0.808	0.865	Yes	0.06	0.872			
02432	2416	2415	8	385.36	0.006	0.017	0.017	Free Surface	1.046	0.092	0.018	0.061	0.058	0.901	0.958	No	0.061	1.046			
02433	2415	2414	8	386.22	0.011	0.02	0.02	Free Surface	1.338	0.088	0.016	0.059	0.064	1.179	1.26	Yes	0.104	0.583			
02434	2414	2413	8	162.32	0.009	0.125	0.125	Free Surface	2.146	0.223	0.109	0.149	0.161	1.168	1.141	Yes	0.18	1.647			
02435	2761	2418	8	398.92	0.005	0.007	0.007	Free Surface	0.75	0.062	0.008	0.041	0.037	0.79	0.885	Yes	0.046	0.651			
02436	2448	2446	8	241.56	0.071	0.016	0.016	Free Surface	2.378	0.05	0.005	0.033	0.056	2.796	3.23	Yes	0.037	1.999			
02437	2446	2451	8	248.77	0.043	0.019	0.019	Free Surface	2.14	0.062	0.008	0.042	0.063	2.249	2.517	Yes	0.044	1.997			
02438	2449	2447	8	315.88	0.06	0.004	0.004	Free Surface	1.469	0.027	0.001	0.018	0.028	2.347	2.971	Yes	0.022	1.075			

02439	2447	2450	8	326.44	0.047	0.008	0.008	Free Surface	1.662	0.04	0.003	0.027	0.039	2.189	2.614	Yes	0.04	0.9			
02440	2451	2450	8	280.99	0.042	0.023	0.023	Free Surface	2.244	0.068	0.009	0.046	0.069	2.252	2.489	Yes	0.05	1.975			
02441	2450	2445	8	306.86	0.047	0.035	0.035	Free Surface	2.633	0.081	0.013	0.054	0.084	2.428	2.625	Yes	0.064	2.028			
02442	2445	2444	8	96.05	0.015	0.039	0.039	Free Surface	1.807	0.112	0.027	0.075	0.089	1.409	1.463	Yes	0.076	1.781			
02443	2444	66	8	140.6	0.016	0.043	0.043	Free Surface	1.93	0.114	0.028	0.076	0.093	1.49	1.543	Yes	0.085	1.644			
02451	2458	2460	8	179.72	0.034	0.004	0.004	Free Surface	1.18	0.03	0.002	0.02	0.027	1.8	2.247	Yes	0.032	0.571			
02452	2473	2472	8	243.43	0.052	0.041	0.041	Free Surface	2.855	0.085	0.015	0.057	0.091	2.569	2.76	Yes	0.062	2.475			
02453	2472	2471	8	264.46	0.027	0.043	0.043	Free Surface	2.301	0.102	0.022	0.068	0.094	1.883	1.977	Yes	0.075	2.003			
02454	2471	2470	8	238.34	0.014	0.045	0.045	Free Surface	1.863	0.122	0.032	0.082	0.096	1.389	1.428	No	0.082	1.863			
02455	2470	2469	8	296.47	0.029	0.048	0.048	Free Surface	2.438	0.105	0.023	0.07	0.099	1.962	2.052	Yes	0.073	2.311			
02456	2469	2468	8	221.06	0.023	0.05	0.05	Free Surface	2.304	0.113	0.027	0.076	0.101	1.787	1.853	Yes	0.077	2.255			
02457	2468	2467	8	164.39	0.023	0.053	0.053	Free Surface	2.314	0.117	0.029	0.078	0.104	1.768	1.827	Yes	0.084	2.064			
02458	2467	2466	8	390.62	0.013	0.055	0.055	Free Surface	1.941	0.136	0.039	0.09	0.106	1.372	1.395	Yes	0.094	1.83			
02459	2466	2465	8	237.7	0.01	0.057	0.057	Free Surface	1.805	0.147	0.047	0.098	0.109	1.224	1.235	No	0.098	1.805			
02460	2465	2463	8	197.4	0.013	0.06	0.06	Free Surface	1.961	0.143	0.044	0.095	0.111	1.351	1.366	Yes	0.101	1.806			
02461	2463	2464	8	103.32	0.009	0.062	0.062	Free Surface	1.737	0.159	0.055	0.106	0.113	1.13	1.131	Yes	0.127	1.337			
02462	2464	2462	8	58.54	0.004	0.079	0.079	Free Surface	1.363	0.223	0.109	0.149	0.128	0.743	0.726	Yes	0.149	1.362			
02463	2,462.00	2461	8	221.35	0.004	0.081	0.081	Free Surface	1.402	0.223	0.109	0.149	0.13	0.764	0.746	No	0.149	1.402			
02464	2461	2474	8	230.07	0.029	0.084	0.084	Free Surface	2.894	0.138	0.041	0.092	0.132	2.031	2.062	Yes	0.144	1.515			
02465	2481	2480	8	332.47	0.036	0.002	0.002	Free Surface	1.064	0.024	0.001	0.016	0.022	1.795	2.311	Yes	0.02	0.806			
02466	2480	2479	8	326.97	0.033	0.005	0.005	Free Surface	1.276	0.034	0.002	0.023	0.031	1.811	2.212	Yes	0.056	0.344			
02467	2482	2483	8	361.56	0.033	0.002	0.002	Free Surface	1.025	0.025	0.001	0.017	0.022	1.706	2.188	Yes	0.034	0.353			
02468	2484	2483	8	172.54	0.048	0.017	0.017	Free Surface	2.126	0.057	0.006	0.038	0.058	2.345	2.661	Yes	0.045	1.659			
02469	2483	2485	8	246.66	0.021	0.022	0.022	Free Surface	1.725	0.078	0.012	0.052	0.066	1.624	1.766	Yes	0.06	1.371			
02470	2,485.00	2479	8	237.7	0.008	0.024	0.024	Free Surface	1.25	0.104	0.023	0.069	0.07	1.015	1.063	Yes	0.079	1.034			
02471	2479	2478	8	343.37	0.005	0.031	0.031	Free Surface	1.137	0.132	0.038	0.088	0.08	0.814	0.83	No	0.088	1.137			
02472	2478	2473	8	311.01	0.014	0.038	0.038	Free Surface	1.786	0.112	0.026	0.075	0.088	1.394	1.448	No	0.075	1.786			
02473	2476	2477	8	145.95	0.055	0.002	0.002	Free Surface	1.232	0.022	0.001	0.015	0.022	2.181	2.853	Yes	0.017	1.025			
02474	2477	2478	8	288.02	0.081	0.005	0.005	Free Surface	1.74	0.028	0.001	0.019	0.031	2.742	3.457	Yes	0.047	0.446			
02475	2497	2496	8	127.15	0.006	0.009	0.009	Free Surface	0.848	0.071	0.01	0.047	0.043	0.835	0.918	Yes	0.071	0.465			
02476	2,496.00	2495	8	249.29	0.006	0.04	0.04	Free Surface	1.322	0.143	0.044	0.095	0.091	0.91	0.921	Yes	0.099	1.26			
02477	2495	364	8	293.32	0.014	0.071	0.071	Free Surface	2.115	0.153	0.051	0.102	0.121	1.405	1.411	Yes	0.114	1.791			
02478	2507	2506	8	98.96	0.016	0.006	0.006	Free Surface	1.068	0.046	0.004	0.031	0.035	1.306	1.526	Yes	0.043	0.661			
02479	2506	2496	8	286.08	0.029	0.028	0.028	Free Surface	2.076	0.082	0.014	0.054	0.075	1.905	2.056	Yes	0.075	1.301			
02480	2505	2504	8	109.53	0.046	0.012	0.012	Free Surface	1.913	0.05	0.005	0.033	0.05	2.253	2.604	Yes	0.043	1.318			
02481	2504	2506	8	270.38	0.015	0.019	0.019	Free Surface	1.471	0.078	0.012	0.052	0.061	1.378	1.496	Yes	0.053	1.426			
02482	2503	2504	8	96.55	0.033	0.003	0.003	Free Surface	1.112	0.028	0.001	0.019	0.025	1.744	2.195	Yes	0.036	0.433			
02483	2498	2495	8	399.55	0.027	0.028	0.028	Free Surface	2.029	0.083	0.014	0.055	0.075	1.847	1.99	Yes	0.079	1.209			
02484	2499	2498	8	400.17	0.016	0.025	0.025	Free Surface	1.626	0.089	0.016	0.059	0.071	1.428	1.525	No	0.059	1.626			
02485	2502	2499	8	336.57	0.029	0.009	0.009	Free Surface	1.491	0.049	0.005	0.032	0.043	1.779	2.064	Yes	0.046	0.891			
02486	2500	2499	8	275.02	0.006	0.012	0.012	Free Surface	0.932	0.081	0.013	0.054	0.05	0.858	0.927	Yes	0.057	0.869			
02487	2501	2500	8	291.55	0.019	0.009	0.009	Free Surface	1.288	0.054	0.006	0.036	0.043	1.463	1.673	Yes	0.045	0.919			
02488	2508	1140	8	178.82	0.008	0.003	0.003	Free Surface	0.677	0.039	0.003	0.026	0.025	0.897	1.074	Yes	0.036	0.417			
02489	2514	1694	8	300.6	0.049	0.002	0.002	Free Surface	1.139	0.022	0.001	0.014	0.021	2.039	2.675	Yes	0.049	0.186			
02490	2539	2538	8	212.84	0.016	0.056	0.056	Free Surface	2.104	0.13	0.036	0.086	0.107	1.523	1.555	Yes	0.099	1.733			
02491	2538	2537	8	265.86	0.006	0.058	0.058	Free Surface	1.48	0.169	0.063	0.113	0.109	0.932	0.928	Yes	0.115	1.442			
02492	2537	2536	8	145.27	0.005	0.06	0.06	Free Surface	1.439	0.177	0.068	0.118	0.111	0.885	0.878	Yes	0.119	1.42			
02493	2536	2535	8	236.74	0.006	0.062	0.062	Free Surface	1.504	0.176	0.068	0.117	0.113	0.928	0.921	No	0.117	1.504			
02494	2535	2534	8	185.71	0.059	0.064	0.064	Free Surface	3.434	0.102	0.022	0.068	0.115	2.808	2.947	Yes	0.069	3.359			
02495	2534	2533	8	148.56	0.063	0.071	0.071	Free Surface	3.616	0.105	0.023	0.07	0.121	2.912	3.045	No	0.07	3.616			
02496	2533	2531	8	200.06	0.055	0.073	0.073	Free Surface	3.469	0.111	0.026	0.074	0.123	2.724	2.833	Yes	0.076	3.344			
02497	2532	2531	8	104.73	0.012	0.006	0.006	Free Surface	0.972	0.051	0.005	0.034	0.036	1.137	1.312	Yes	0.056	0.463			
02498	2531	2530	8	121.08	0.05	0.082	0.082	Free Surface	3.473	0.119	0.03	0.079	0.13	2.625	2.706	Yes	0.092	2.785			
02499	2530	2520	8	128.73	0.016	0.084	0.084	Free Surface	2.361	0.158	0.054	0.105	0.131	1.541	1.544	No	0.105	2.361			
02500	2521	2520	8	52.95	0.001	0.002	0.002	Free Surface	0.243	0.061	0.007	0.041	0.021	0.257	0.288	Yes	0.07	0.11			
02501	2520	2519	8	286.04	0.044	0.088	0.088	Free Surface	3.401	0.127	0.035	0.085	0.135	2.484	2.542	Yes	0.096	2.85			
02502	2519	2517	8	180.91	0.016	0.09	0.09	Free Surface	2.397	0.165	0.059	0.11	0.137	1.532	1.528	Yes	0.119	2.141			
02503	2529	2528	8	98.69	0.05	0.002	0.002	Free Surface	1.151	0.022	0.001	0.014	0.021	2.068	2.715	Yes	0.016	0.976			
02504	2528	2518	8	364.94	0.041	0.004	0.004	Free Surface	1.332	0.031	0.002	0.021	0.029	1.989	2.467	Yes	0.038	0.539			
02505	2527	2526	8	134.52	0.009	0.002	0.002	Free Surface	0.635	0.032	0.002	0.021	0.021	0.934	1.153	No	0.021	0.635			
02506	2526	2525	8	147.6	0.04	0.004	0.004	Free Surface	1.311	0.031	0.002	0.021	0.029	1.948	2.413	Yes	0.024	1.078			
02507	2525	2524	8	72.89	0.051	0.006	0.006	Free Surface	1.623	0.036	0.002	0.024	0.036	2.258	2.742	Yes	0.026	1.395			
02508	2524	2523	8	139.16	0.075	0.009	0.009	Free Surface	2.024	0.037	0.003	0.025	0.042	2.754	3.322	Yes	0.026	1.943			
02509	2523	2522	8	237.15	0.079	0.011	0.011	Free Surface	2.207	0.041	0.003	0.027	0.046	2.868	3.412	Yes	0.029	2.047			
02510	2522	2518	8	239.71	0.05	0.013	0.013	Free Surface	1.986	0.05	0.005	0.033	0.051	2.34	2.705	Yes	0.044	1.293			
02511	2518	2517	8	44.1	0.011	0.019	0.019	Free Surface	1.321	0.086	0.015	0.058	0.063	1.178	1.263	Yes	0.093	0.657			
02512	2517	2515	8	266.25	0.013	0.112	0.112	Free Surface	2.361	0.193	0.082	0.129	0.152	1.388	1.368	No	0.129	2.361			
02513	2541	2516	8	299.15	0.02	0.013	0.013	Free Surface	1.441	0.062	0.008	0.041	0.051	1.521	1.706	No	0.041	1.441			
02514	2516	2515	8	178.55	0.069	0.015	0.015	Free Surface	2.325	0.05	0.005	0.033	0.055	2.743	3.173	Yes	0.075	0.696			
02515	2542	2541	8	262.75	0.016	0.011	0.011	Free Surface	1.254	0.06	0.007	0.04	0.046	1.344	1.513	Yes	0.041	1.227			
02516	2544	181	8	189.88	0	0.004	0.004	Free Surface	0.192	0.116	0.029	0.077	0.03	0.147	0.152	No	0.077	0.192			
02517	2543	189	8	153.65	0.032	0.004	0.004	Free Surface	1.217	0.033	0.002	0.022	0.03	1.756	2.155	Yes	0.075	0.203			
02518	2545	2548	8	186.35	0.018	0.017	0.017	Free Surface	1.511	0.072	0.01	0.048	0.058	1.479	1.624	Yes	0.05	1.399			
02519	2548	2549	8	173.85	0.014	0.019	0.019	Free Surface	1.445	0.079	0.013	0.053	0.061	1.344	1.456	No	0.053	1.445			
02520	2549	2546	8	257.02	0.055	0.021	0.021	Free Surface	2.374	0.061	0.007	0.04	0.065	2.533	2.848	Yes	0.298	0.136			
02521	2547	2554	8	274.22	0.04	0.002	0.002	Free Surface	1.017	0.021	0.001	0.014	0.019	1.836	2.414	Yes	0.248	0.016			
02522	2,553.00	2551	8	237.74	0.007	0.002	0.002	Free Surface	0.547	0.032	0.002	0.022	0.019	0.801	0.988	Yes	0.03	0.336			
02523	2551	2552	8	157.15	0.009	0.007	0.007	Free Surface	0.934	0.057	0.006	0.038	0.039	1.024	1.16	Yes	0.045	0.736			
02524	2552	2550	8	288.86	0.004	0.009	0.009	Free Surface	0.75	0.077	0.012	0.052	0.043	0.706	0.768	No	0.052	0.75			
02525	2550	2546	8	180.59	0.009	0.011	0.011	Free Surface	1.04	0.07	0.01	0.047	0.048	1.029	1.133	Yes	0.301	0.073			
02526	2546	2556	15	122.41	0.012	2.927	2.927	Free Surface	5.55	0.445	0.408	0.556	0.688	1.501	7.176	Yes	0.67	4.368			
02527	2555	2895	15	7.69	0.02	1.21	1.21	Free Surface	5.13	0.247	0.134	0.309	0.434	1.933	9.046	Yes	0.352	4.271			
02528	2563	2562	8	143.35	0.018	0.004	0.004	Free Surface	0.952	0.035	0.002	0.023	0.027	1.347	1.644	Yes	0.026	0.8			
02529	2562	2561	8	141.23	0.029	0.007	0.007	Free Surface	1.369	0.043	0.004	0.029	0.038	1.734	2.047	Yes	0.031	1.207			
02530	2561	2559	8	84.9	0.032	0.011	0.011	Free Surface	1.611	0.051	0.005	0.034	0.047	1.878	2.165	Yes	0.038	1.337			
02531	2560	2559	8	125.08	0.007	0.004	0.004	Free Surface	0.67	0.044	0.004	0.029	0.027	0.843	0.993	Yes	0.036	0.489			
02532	2559	2558	8	128.07	0.032	0.018	0.018	Free Surface	1.889	0.065	0.008	0.043	0.06	1.952	2.176	Yes	0.046	1.737			
02533	2558	2557	8	235.84	0.029	0.022	0.022	Free Surface	1.925	0.072	0.01	0.048	0.066	1.881	2.065	No	0.048	1.925			
02534	2557	1727	8	59.58	0.104	0.025	0.025	Free Surface	3.145	0.057	0.006	0.038	0.071	3.45	3.908	Yes	0.092	0.864			
02535	1736	1735	8	319.18	0.009	0.004	0.004	Free Surface	0.758	0.041	0.003	0.027	0.027	0.987	1.175	Yes	0.352	0.02			
02536	2567	2566	8	336.26	0.005	0.004	0.004	Free Surface	0.619	0.047	0.004	0.031	0.027	0.753	0.879	Yes	0.037	0.481			
02537	2566	2565	8	336.85	0.005	0.007	0.007	Free Surface	0.776	0.064	0.008	0.043	0.038	0.805	0.898	Yes	0.047	0.669			
02538	2565	2564	8	337.86	0.005	0.011	0.011	Free Surface	0.877	0.078	0.012	0.052	0.047	0.825	0.897	Yes	0.084	0.431			
02539	2564	2569	8	123.55	0.007	0.067	0.067	Free Surface	1.632	0.175	0.066	0.116	0.117	1.012	1.005	Yes	0.155	1.084			
02540	2569	1741	8	160.01	0.001	0.07	0.07	Free Surface	0.836	0.29	0.184	0.193	0.12	0.395	0.383	Yes	0.235	0.64			
02541	1738	1741	12	367.95	0.007	0.605	0.605	Free Surface	3.049	0.3	0.196	0.3	0.324	1.154	3.083	No	0.3	3.049			
02542	2581	2580	8	260.24	0.027	0.002	0.002	Free Surface	0.914	0.024	0.001	0.016	0.02	1.555	2.008	Yes	0.019	0.698			
02543	2580	2579	8	261.23	0.026	0.004	0.004	Free Surface	1.112	0.033	0.002	0.022	0.028	1.602	1.965	No	0.022	1.112			
02544	2579	2570	8	125.4	0.077	0.006	0.006	Free Surface	1.828	0.031	0.002	0.021	0.035	2.714	3.361	Yes	0.045	0.592			
02545	2570	2064	8	161.95	0.008	0.024	0.024	Free Surface	1.262	0.103	0.022	0.069	0.07	1.027	1.077	No	0.069	1.262			
02546	2578	2571	8	398.94	0.021	0.002	0.002	Free Surface	0.836	0.025	0.001	0.017	0.02	1.381	1.767	Yes	0.026	0.449			
02547	2571	2570	8	130.4	0.065	0.016	0.016	Free Surface	2.32	0.052	0.005	0.035	0.057	2.679	3.079	Yes	0.052	1.281			

02548	2572	2571	8	89.87	0.007	0.012	0.012	Free Surface	0.982	0.076	0.012	0.051	0.049	0.931	1.014	No	0.051	0.982			
02549	2573	2572	8	156.45	0.006	0.01	0.01	Free Surface	0.893	0.072	0.01	0.048	0.045	0.873	0.959	Yes	0.049	0.854			
02550	2574	2573	8	195.79	0.008	0.008	0.008	Free Surface	0.921	0.061	0.007	0.04	0.04	0.983	1.105	Yes	0.044	0.807			
02551	2575	2574	8	251.37	0.024	0.006	0.006	Free Surface	1.226	0.041	0.003	0.027	0.035	1.59	1.89	Yes	0.034	0.895			
02552	2576	2575	8	224.84	0.027	0.004	0.004	Free Surface	1.122	0.033	0.002	0.022	0.028	1.62	1.989	Yes	0.025	0.949			
02553	2577	2576	8	398.29	0.011	0.002	0.002	Free Surface	0.659	0.03	0.002	0.02	0.02	1.005	1.254	Yes	0.021	0.607			
02554	2582	2583	10	113.12	0.007	0.069	0.069	Free Surface	1.596	0.133	0.038	0.111	0.112	1.019	1.814	Yes	0.146	1.069			
02555	2586	2585	8	279.28	0.003	0.004	0.004	Free Surface	0.532	0.052	0.005	0.035	0.027	0.615	0.707	Yes	0.042	0.399			
02556	2585	2582	8	337.82	0.003	0.007	0.007	Free Surface	0.628	0.074	0.011	0.049	0.038	0.606	0.662	Yes	0.08	0.308			
02558	2588	2589	8	192.73	0.007	0.003	0.003	Free Surface	0.633	0.04	0.003	0.027	0.024	0.836	0.999	Yes	0.039	0.351			
02559	2591	2589	8	110.58	0.008	0.003	0.003	Free Surface	0.664	0.039	0.003	0.026	0.024	0.89	1.068	Yes	0.039	0.356			
02560	2590	2589	8	231.04	0.006	0.003	0.003	Free Surface	0.607	0.041	0.003	0.027	0.024	0.79	0.94	Yes	0.04	0.346			
02561	2589	1884	8	152.76	0.006	0.012	0.012	Free Surface	0.922	0.079	0.013	0.052	0.049	0.862	0.935	Yes	0.33	0.068			
02562	2597	2595	8	359.41	0.06	0.004	0.004	Free Surface	1.434	0.026	0.001	0.018	0.027	2.331	2.967	Yes	0.023	0.954			
02563	2596	2595	8	139.22	0.008	0.004	0.004	Free Surface	0.709	0.042	0.003	0.028	0.027	0.909	1.077	Yes	0.028	0.701			
02564	2595	2594	8	216.8	0.067	0.011	0.011	Free Surface	2.081	0.043	0.003	0.029	0.047	2.646	3.128	Yes	0.031	1.828			
02565	2594	2593	8	284.31	0.058	0.014	0.014	Free Surface	2.164	0.051	0.005	0.034	0.054	2.528	2.916	Yes	0.043	1.516			
02566	2593	2592	8	237.32	0.069	0.04	0.04	Free Surface	3.131	0.078	0.012	0.052	0.09	2.937	3.189	Yes	0.063	2.339			
02567	2598	2599	8	67.41	0.032	0.004	0.004	Free Surface	1.152	0.03	0.002	0.02	0.027	1.739	2.164	Yes	0.022	0.997			
02568	2599	2600	8	231.03	0.058	0.007	0.007	Free Surface	1.749	0.037	0.002	0.024	0.038	2.405	2.91	Yes	0.028	1.466			
02569	2600	2601	8	231.03	0.05	0.011	0.011	Free Surface	1.878	0.046	0.004	0.031	0.047	2.306	2.698	Yes	0.036	1.47			
02570	2601	2602	8	235.53	0.024	0.014	0.014	Free Surface	1.589	0.062	0.008	0.042	0.054	1.671	1.872	No	0.042	1.589			
02571	2602	2603	8	236.15	0.053	0.018	0.018	Free Surface	2.242	0.057	0.006	0.038	0.06	2.458	2.784	Yes	0.043	1.888			
02572	2603	2593	8	237.94	0.03	0.022	0.022	Free Surface	1.943	0.072	0.01	0.048	0.066	1.905	2.093	Yes	0.05	1.819			
02573	2609	2608	8	117.4	0.007	0.002	0.002	Free Surface	0.558	0.033	0.002	0.022	0.02	0.805	0.988	Yes	0.025	0.461			
02574	2608	2607	8	128.3	0.009	0.004	0.004	Free Surface	0.777	0.043	0.003	0.028	0.028	0.99	1.172	No	0.028	0.777			
02575	2607	2606	8	155.35	0.028	0.006	0.006	Free Surface	1.29	0.04	0.003	0.027	0.035	1.702	2.034	Yes	0.028	1.186			
02576	2,606.00	2605	8	182.98	0.031	0.008	0.008	Free Surface	1.462	0.044	0.004	0.03	0.04	1.825	2.146	Yes	0.045	0.782			
02577	2613	2612	8	150.06	0.006	0.002	0.002	Free Surface	0.539	0.034	0.002	0.023	0.02	0.767	0.938	Yes	0.023	0.516			
02578	2612	2611	8	145.86	0.019	0.004	0.004	Free Surface	0.99	0.036	0.002	0.024	0.028	1.37	1.661	Yes	0.027	0.837			
02579	2611	2610	8	179.73	0.017	0.006	0.006	Free Surface	1.08	0.045	0.004	0.03	0.035	1.342	1.576	Yes	0.035	0.856			
02580	2610	2605	8	330.23	0.009	0.008	0.008	Free Surface	0.933	0.06	0.007	0.04	0.04	1	1.126	Yes	0.05	0.665			
02581	2605	1813	8	178.39	0.008	0.018	0.018	Free Surface	1.137	0.091	0.017	0.061	0.06	0.986	1.05	No	0.061	1.137			
02582	2616	1355	8	184.51	0.005	0.004	0.004	Free Surface	0.617	0.046	0.004	0.031	0.027	0.755	0.882	Yes	0.032	0.573			
02583	2615	2614	8	200	0.004	0.004	0.004	Free Surface	0.579	0.048	0.004	0.032	0.027	0.692	0.804	No	0.032	0.579			
02584	2614	1344	8	61.05	0.023	0.007	0.007	Free Surface	1.279	0.045	0.004	0.03	0.038	1.582	1.854	Yes	0.086	0.272			
02585	2622	2621	8	238.07	0.031	0.002	0.002	Free Surface	1.001	0.025	0.001	0.017	0.022	1.654	2.117	Yes	0.019	0.852			
02586	2621	2619	8	281.89	0.02	0.005	0.005	Free Surface	1.07	0.039	0.003	0.026	0.031	1.431	1.716	No	0.026	1.07			
02587	2620	2619	8	236.19	0.019	0.002	0.002	Free Surface	0.857	0.028	0.001	0.019	0.022	1.343	1.69	Yes	0.021	0.734			
02588	2619	2624	8	299.09	0.067	0.01	0.01	Free Surface	2.009	0.04	0.003	0.027	0.044	2.629	3.134	Yes	0.037	1.249			
02589	2617	2624	8	301.49	0.01	0.002	0.002	Free Surface	0.675	0.033	0.002	0.022	0.022	0.976	1.199	Yes	0.035	0.345			
02591	1964	1963	8	210.28	0.019	0.003	0.003	Free Surface	0.938	0.034	0.002	0.022	0.026	1.346	1.65	Yes	0.026	0.743			
02592	1963	1961	8	209.32	0.021	0.007	0.007	Free Surface	1.216	0.045	0.004	0.03	0.037	1.508	1.769	Yes	0.042	0.749			
02593	1961	1863	8	205.88	0.004	0.01	0.01	Free Surface	0.78	0.08	0.013	0.053	0.045	0.723	0.783	Yes	0.056	0.724			
02594	1962	1965	8	235.89	0.014	0.003	0.003	Free Surface	0.851	0.036	0.002	0.024	0.026	1.183	1.435	Yes	0.03	0.621			
02595	1965	1966	8	288.76	0.011	0.007	0.007	Free Surface	0.958	0.053	0.005	0.035	0.037	1.095	1.255	No	0.035	0.958			
02600	1346	2634	8	24.13	0.019	0.09	0.09	Free Surface	2.552	0.157	0.054	0.105	0.136	1.669	1.673	Yes	0.12	2.092			
02614	2,649.00	2650	8	401.57	0.014	0.002	0.002	Free Surface	0.669	0.025	0.001	0.017	0.018	1.105	1.414	Yes	0.018	0.64			
02615	2650	2651	8	262.3	0.041	0.003	0.003	Free Surface	1.208	0.027	0.001	0.018	0.025	1.93	2.444	Yes	0.021	0.985			
02616	2651	2652	8	145.46	0.03	0.005	0.005	Free Surface	1.234	0.035	0.002	0.023	0.031	1.731	2.107	Yes	0.024	1.216			
02617	2652	2653	8	314.01	0.049	0.006	0.006	Free Surface	1.598	0.036	0.002	0.024	0.036	2.22	2.694	Yes	0.029	1.221			
02618	2653	2654	8	402.38	0.018	0.008	0.008	Free Surface	1.216	0.05	0.005	0.033	0.04	1.427	1.647	Yes	0.036	1.105			
02619	2654	1540	8	399.12	0.016	0.01	0.01	Free Surface	1.212	0.057	0.006	0.038	0.044	1.335	1.514	Yes	0.619	0.028			
02621	2663	2662	8	115.98	0.006	0.003	0.003	Free Surface	0.614	0.042	0.003	0.028	0.025	0.788	0.935	No	0.028	0.614			
02622	2662	2661	8	220.65	0.034	0.006	0.006	Free Surface	1.385	0.039	0.003	0.026	0.035	1.853	2.223	Yes	0.035	0.866			
02623	2661	2660	8	273.51	0.007	0.009	0.009	Free Surface	0.91	0.068	0.009	0.045	0.043	0.919	1.018	No	0.045	0.91			
02624	2660	2659	8	49.31	0.016	0.012	0.012	Free Surface	1.309	0.064	0.008	0.043	0.05	1.357	1.514	No	0.043	1.309			
02625	2659	2658	8	153.14	0.042	0.015	0.015	Free Surface	1.98	0.056	0.006	0.038	0.056	2.191	2.488	No	0.038	1.98			
02626	2658	2657	8	155.12	0.069	0.019	0.019	Free Surface	2.484	0.055	0.006	0.036	0.061	2.79	3.182	Yes	0.044	1.868			
02627	2657	2656	8	113.83	0.021	0.022	0.022	Free Surface	1.718	0.078	0.012	0.052	0.066	1.613	1.752	Yes	0.059	1.412			
02628	2656	2655	8	192.98	0.009	0.025	0.025	Free Surface	1.357	0.1	0.021	0.067	0.071	1.121	1.18	No	0.067	1.357			
02629	2655	693	8	126.22	0.027	0.028	0.028	Free Surface	2.033	0.082	0.014	0.055	0.075	1.855	2	No	0.055	2.033			
02630	3089	2685	8	101.02	0.037	0.005	0.005	Free Surface	1.383	0.036	0.002	0.024	0.033	1.929	2.344	Yes	0.03	0.991			
02631	2685	2684	8	205.25	0.026	0.011	0.011	Free Surface	1.51	0.054	0.006	0.036	0.047	1.715	1.962	Yes	0.045	1.088			
02632	2684	2682	8	207.31	0.011	0.016	0.016	Free Surface	1.25	0.08	0.013	0.053	0.057	1.158	1.254	Yes	0.059	1.079			
02633	2683	2682	8	108.31	0.043	0.005	0.005	Free Surface	1.45	0.035	0.002	0.023	0.033	2.056	2.51	Yes	0.044	0.558			
02634	2682	2680	8	207.81	0.013	0.027	0.027	Free Surface	1.573	0.097	0.02	0.065	0.074	1.322	1.396	Yes	0.069	1.42			
02635	2681	2680	8	151.42	0.031	0.005	0.005	Free Surface	1.301	0.037	0.003	0.025	0.033	1.779	2.148	Yes	0.049	0.468			
02636	2680	2678	8	211.63	0.015	0.038	0.038	Free Surface	1.807	0.111	0.026	0.074	0.088	1.417	1.473	Yes	0.079	1.632			
02638	2679	2678	8	162.7	0.033	0.005	0.005	Free Surface	1.322	0.037	0.002	0.024	0.033	1.816	2.197	Yes	0.055	0.403			
02639	2,678.00	2676	8	190.51	0.014	0.049	0.049	Free Surface	1.907	0.127	0.034	0.085	0.1	1.396	1.429	Yes	0.088	1.805			
02640	2677	2676	8	141.22	0.039	0.005	0.005	Free Surface	1.406	0.035	0.002	0.024	0.033	1.972	2.4	Yes	0.057	0.375			
02641	2676	2675	8	272.75	0.015	0.06	0.06	Free Surface	2.092	0.137	0.04	0.091	0.111	1.473	1.496	Yes	0.095	1.955			
02642	2675	2674	8	223.68	0.012	0.065	0.065	Free Surface	2	0.15	0.048	0.1	0.116	1.344	1.353	No	0.1	2			
02643	2674	2672	8	269.63	0.062	0.071	0.071	Free Surface	3.602	0.106	0.023	0.07	0.121	2.896	3.028	Yes	0.085	2.725			
02644	2673	2672	8	207.91	0.07	0.005	0.005	Free Surface	1.717	0.031	0.002	0.021	0.033	2.577	3.201	Yes	0.06	0.348			
02645	2672	2671	8	280.05	0.019	0.082	0.082	Free Surface	2.491	0.15	0.049	0.1	0.13	1.672	1.682	No	0.1	2.491			
02646	2,671.00	2670	8	398.07	0.026	0.087	0.087	Free Surface	2.822	0.144	0.045	0.096	0.134	1.935	1.956	Yes	0.115	2.166			
02647	2670	2669	8	402.02	0.007	0.093	0.093	Free Surface	1.844	0.202	0.089	0.134	0.138	1.06	1.041	Yes	0.144	1.664			
02648	2669	2668	8	187.4	0.005	0.098	0.098	Free Surface	1.602	0.232	0.118	0.154	0.143	0.855	0.834	No	0.154	1.602			
02649	2668	9	8	147.25	0.007	0.104	0.104	Free Surface	1.906	0.213	0.099	0.142	0.147	1.064	1.042	No	0.142	1.906			
02650	2823	694	8	241.66	0.049	0.012	0.012	Free Surface	1.947	0.049	0.005	0.033	0.05	2.311	2.678	Yes	0.088	0.451			
02651	228	230	8	156.83	0.008	0.137	0.137	Free Surface	2.108	0.242	0.129	0.161	0.169	1.099	1.07	No	0.161	2.108			
02653	2687	2686	8	197.22	0.003	0.003	0.003	Free Surface	0.486	0.049	0.005	0.033	0.025	0.577	0.668	No	0.033	0.486			
02654	2,686.00	570	8	262.9	0.044	0.006	0.006	Free Surface	1.515	0.036	0.002	0.024	0.035	2.089	2.529	Yes	0.088	0.23			
02655	2690	2689	8	118.85	0.047	0.004	0.004	Free Surface	1.347	0.029	0.001	0.019	0.028	2.088	2.621	Yes	0.023	1.044			
02656	2689	2688	8	107.24	0.048	0.008	0.008	Free Surface	1.681	0.04	0.003	0.026	0.039	2.222	2.658	Yes	0.033	1.188			
02657	2688	2448	8	30.92	0.018	0.012	0.012	Free Surface	1.346	0.061	0.007	0.04	0.048	1.437	1.616	No	0.04	1.346			
02658	2692	2691	8	136.61	0.019	0.004	0.004	Free Surface	0.962	0.034	0.002	0.023	0.027	1.37	1.674	Yes	0.242	0.031			
02659	2691	126	8	76.4	0.007	0.007	0.007	Free Surface	0.858	0.059	0.007	0.039	0.038	0.927	1.047	Yes	0.667	0.021			
02660	2,697.00	2698	8	247.45	0.004	0.003	0.003	Free Surface	0.545	0.048	0.004	0.032	0.026	0.653	0.759	Yes	0.034	0.499			
02661	2698	2699	8	251.44	0.01	0.007	0.007	Free Surface	0.918	0.054	0.006	0.036	0.037	1.036	1.184	Yes	0.08	0.286			
02662	2700	2699	10	350.83	0.003	0.017	0.017	Free Surface	0.789	0.082	0.014	0.069	0.055	0.644	1.213	Yes	0.096	0.483			
02663	2705	2706	8	81.71	0.013	0.003	0.003	Free Surface	0.832	0.036	0.002	0.024	0.026	1.15	1.393	Yes	0.046	0.322			
02664	2707	2706	8	319.98	0.004	0.01	0.01	Free Surface	0.743	0.082	0.014	0.055	0.045	0.679	0.733	Yes	0.061	0.632			
02665	2706	2708	8	376.53	0.004	0.017	0.017	Free Surface	0.91	0.101	0.021	0.068	0.058	0.747	0.785	Yes	0.101	0.506			
02666	2708	2699	10	272.39	0.003	0.071	0.071	Free Surface	1.244	0.161	0.056	0.134	0.114	0.719	1.256	No	0.134	1.244			
02667	2,709.00	2708	10	431.47	0.003	0.009	0.009	Free Surface	0.642	0.061	0.007	0.051	0.04	0.61	1.197	Yes	0.093	0.266			
02668	2712	2711	8	267.19	0.008	0.003	0.003	Free Surface	0.709	0.04	0.003	0.027	0.026	0.928	1.107	Yes	0.062	0.206			
02669	2711	2708	10	227.35	0.004	0.042	0.042	Free Surface	1.175	0.117	0.029	0.097	0.087	0.803	1.45	Yes	0.116	0.91			
02670	2,710.00	2711	8	189.79	0.015	0.003	0.003	Free Surface	0.864	0.035	0.002	0.024	0.026	1.21	1.472	Yes	0.06	0.215			
02671	2713	2711	10	250.19	0.004	0.032	0.032	Free Surface	1.042	0.105	0.023	0.087	0.076	0.752	1.375	Yes	0.092	0.961			

02672	2,699.00	2701	10	279.57	0.009	0.098	0.098	Free Surface	1.947	0.148	0.047	0.123	0.134	1.177	2.073	Yes	0.143	1.57			
02673	2703	2702	10	214.75	0.003	0.013	0.013	Free Surface	0.736	0.074	0.011	0.062	0.049	0.633	1.209	No	0.062	0.736			
02674	2702	2701	10	214.25	0.006	0.017	0.017	Free Surface	0.97	0.072	0.01	0.06	0.055	0.85	1.63	Yes	0.111	0.389			
02675	2701	2704	10	371.38	0.004	0.118	0.118	Free Surface	1.573	0.195	0.083	0.163	0.147	0.822	1.415	No	0.163	1.573			
02676	2774	2707	8	320.5	0.004	0.007	0.007	Free Surface	0.651	0.068	0.009	0.046	0.037	0.654	0.723	Yes	0.05	0.564			
02677	2721	2720	8	167.27	0.153	0.001	0.001	Free Surface	1.498	0.014	0	0.009	0.017	3.361	4.738	Yes	0.011	1.078			
02678	2720	2719	8	276.98	0.109	0.003	0.003	Free Surface	1.647	0.021	0.001	0.014	0.024	3.023	3.997	Yes	0.015	1.402			
02679	2719	2718	8	318.62	0.101	0.004	0.004	Free Surface	1.82	0.025	0.001	0.017	0.029	3.013	3.859	Yes	0.019	1.473			
02680	2718	2717	8	156.05	0.058	0.006	0.006	Free Surface	1.633	0.033	0.002	0.022	0.034	2.367	2.91	Yes	0.023	1.495			
02681	2717	2716	8	124.75	0.055	0.007	0.007	Free Surface	1.72	0.037	0.003	0.025	0.038	2.352	2.841	Yes	0.026	1.589			
02682	2716	2715	8	138.04	0.051	0.009	0.009	Free Surface	1.768	0.041	0.003	0.027	0.042	2.295	2.728	No	0.027	1.768			
02683	2715	2714	8	144.14	0.07	0.01	0.01	Free Surface	2.076	0.041	0.003	0.027	0.045	2.7	3.214	Yes	0.037	1.32			
02684	785	2714	8	162.71	0.017	0.009	0.009	Free Surface	1.215	0.053	0.005	0.035	0.042	1.387	1.589	Yes	0.041	0.972			
02685	2714	2722	8	171.87	0.028	0.02	0.02	Free Surface	1.869	0.07	0.01	0.047	0.064	1.852	2.039	No	0.047	1.869			
02686	2722	2723	8	110.23	0.046	0.022	0.022	Free Surface	2.251	0.065	0.008	0.043	0.066	2.322	2.586	Yes	0.048	1.943			
02687	2723	2724	8	181.47	0.023	0.023	0.023	Free Surface	1.812	0.078	0.013	0.052	0.068	1.696	1.841	Yes	0.055	1.661			
02688	2724	791	8	354.22	0.035	0.036	0.036	Free Surface	2.39	0.088	0.016	0.059	0.086	2.109	2.256	No	0.059	2.39			
02689	2725	2724	8	171.84	0.008	0.012	0.012	Free Surface	1.024	0.072	0.01	0.048	0.048	1	1.097	Yes	0.053	0.879			
02690	2,726.00	2725	8	296.23	0.011	0.01	0.01	Free Surface	1.094	0.063	0.008	0.042	0.045	1.144	1.279	Yes	0.045	0.987			
02691	2727	2726	8	204.71	0.056	0.009	0.009	Free Surface	1.83	0.04	0.003	0.027	0.042	2.402	2.867	Yes	0.034	1.261			
02692	2728	2727	8	86.43	0.092	0.007	0.007	Free Surface	2.057	0.033	0.002	0.022	0.038	2.989	3.677	Yes	0.024	1.758			
02693	2729	2728	8	300.76	0.134	0.006	0.006	Free Surface	2.189	0.027	0.001	0.018	0.034	3.501	4.435	Yes	0.02	1.885			
02694	2730	2729	8	97.02	0.137	0.004	0.004	Free Surface	2.022	0.024	0.001	0.016	0.029	3.47	4.493	Yes	0.017	1.815			
02695	2731	2730	8	166.85	0.096	0.003	0.003	Free Surface	1.576	0.021	0.001	0.014	0.024	2.849	3.751	Yes	0.015	1.454			
02696	2695	2732	8	398.99	0.015	0.006	0.006	Free Surface	1.043	0.047	0.004	0.032	0.035	1.262	1.47	Yes	0.043	0.661			
02697	2732	1079	8	70.39	0.002	0.008	0.008	Free Surface	0.583	0.081	0.014	0.054	0.04	0.536	0.578	No	0.054	0.583			
02698	2696	2695	8	154.16	0.04	0.002	0.002	Free Surface	0.963	0.02	0.001	0.013	0.018	1.81	2.411	Yes	0.024	0.383			
02699	2694	2695	8	307.02	0.005	0.003	0.003	Free Surface	0.572	0.044	0.004	0.03	0.025	0.714	0.84	Yes	0.033	0.497			
02700	2693	2694	8	331.93	0.006	0.002	0.002	Free Surface	0.493	0.031	0.002	0.021	0.018	0.74	0.919	Yes	0.025	0.366			
02701	2733	362	8	399.51	0.046	0.022	0.022	Free Surface	2.261	0.065	0.008	0.043	0.066	2.329	2.592	Yes	0.074	1.018			
02702	2734	2733	8	406.06	0.034	0.019	0.019	Free Surface	1.95	0.065	0.008	0.043	0.061	2.012	2.242	Yes	0.043	1.944			
02703	2735	2734	8	397.52	0.034	0.016	0.016	Free Surface	1.844	0.059	0.007	0.04	0.056	1.988	2.242	Yes	0.04	1.826			
02704	2736	2735	8	397.33	0.038	0.012	0.012	Free Surface	1.78	0.052	0.005	0.035	0.05	2.045	2.347	Yes	0.04	1.467			
02705	2737	2736	8	400.16	0.024	0.009	0.009	Free Surface	1.388	0.051	0.005	0.034	0.043	1.617	1.863	Yes	0.035	1.332			
02706	2738	2737	8	398.7	0.013	0.006	0.006	Free Surface	0.994	0.049	0.005	0.032	0.035	1.186	1.376	Yes	0.034	0.917			
02707	2739	2738	8	400.94	0.006	0.003	0.003	Free Surface	0.63	0.041	0.003	0.028	0.025	0.815	0.968	Yes	0.029	0.586			
02708	2740	2739	8	400.06	0.006	0	0	Free Surface	0	0	0	0	0	0	0.906	Yes	0.012	0			
02708	2740	2739	8	400.06	0.006	0	0	Free Surface	0	0	0	0	0	0	0.906	Yes	0.012	0			
02708	2740	2739	8	400.06	0.006	0	0	Free Surface	0	0	0	0	0	0	0.906	Yes	0.012	0			
02709	2741	2740	8	294.99	0.006	0	0	Free Surface	0	0	0	0	0	0	0.917	No	0	0			
02709	2741	2740	8	294.99	0.006	0	0	Free Surface	0	0	0	0	0	0	0.917	No	0	0			
02709	2741	2740	8	294.99	0.006	0	0	Free Surface	0	0	0	0	0	0	0.917	No	0	0			
02710	2742	2741	8	297	0.005	0	0	Free Surface	0	0	0	0	0	0	0.875	No	0	0			
02710	2742	2741	8	297	0.005	0	0	Free Surface	0	0	0	0	0	0	0.875	No	0	0			
02710	2742	2741	8	297	0.005	0	0	Free Surface	0	0	0	0	0	0	0.875	No	0	0			
02711	2743	2742	8	307.31	0.014	0	0	Free Surface	0	0	0	0	0	0	1.416	No	0	0			
02711	2743	2742	8	307.31	0.014	0	0	Free Surface	0	0	0	0	0	0	1.416	No	0	0			
02711	2743	2742	8	307.31	0.014	0	0	Free Surface	0	0	0	0	0	0	1.416	No	0	0			
02712	2744	2743	8	310.99	0.038	0	0	Free Surface	0	0	0	0	0	0	2.351	No	0	0			
02712	2744	2743	8	310.99	0.038	0	0	Free Surface	0	0	0	0	0	0	2.351	No	0	0			
02712	2744	2743	8	310.99	0.038	0	0	Free Surface	0	0	0	0	0	0	2.351	No	0	0			
02713	2745	2744	8	403.6	0.056	0	0	Free Surface	0	0	0	0	0	0	2.856	No	0	0			
02713	2745	2744	8	403.6	0.056	0	0	Free Surface	0	0	0	0	0	0	2.856	No	0	0			
02713	2745	2744	8	403.6	0.056	0	0	Free Surface	0	0	0	0	0	0	2.856	No	0	0			
02714	2746	2745	8	292.11	0.051	0	0	Free Surface	0	0	0	0	0	0	2.745	No	0	0			
02714	2746	2745	8	292.11	0.051	0	0	Free Surface	0	0	0	0	0	0	2.745	No	0	0			
02714	2746	2745	8	292.11	0.051	0	0	Free Surface	0	0	0	0	0	0	2.745	No	0	0			
02718	2751	2750	8	129.03	0.033	0.004	0.004	Free Surface	1.232	0.033	0.002	0.022	0.029	1.791	2.204	Yes	0.025	0.996			
02719	2750	2749	8	162.03	0.024	0.006	0.006	Free Surface	1.242	0.043	0.003	0.029	0.036	1.578	1.865	Yes	0.033	1.024			
02720	2749	2542	8	119.75	0.015	0.009	0.009	Free Surface	1.152	0.055	0.006	0.036	0.042	1.295	1.477	Yes	0.038	1.074			
02721	2748	2747	8	90.94	0.007	0.002	0.002	Free Surface	0.586	0.034	0.002	0.023	0.021	0.838	1.026	Yes	0.028	0.418			
02722	2747	2532	8	203.76	0.007	0.004	0.004	Free Surface	0.703	0.048	0.004	0.032	0.029	0.845	0.983	Yes	0.033	0.674			
02723	2752	549	8	175.07	0.029	0.019	0.019	Free Surface	1.847	0.067	0.009	0.045	0.061	1.874	2.078	No	0.045	1.847			
02724	2753	2752	8	177.26	0.042	0.007	0.007	Free Surface	1.587	0.04	0.003	0.027	0.039	2.09	2.496	Yes	0.036	1.031			
02725	2756	2753	8	241.22	0.014	0.004	0.004	Free Surface	0.869	0.038	0.003	0.025	0.027	1.179	1.421	Yes	0.026	0.83			
02726	2754	2752	8	151.61	0.012	0.007	0.007	Free Surface	1.016	0.054	0.006	0.036	0.039	1.149	1.313	Yes	0.04	0.859			
02727	2755	2754	8	99.12	0.018	0.004	0.004	Free Surface	0.949	0.035	0.002	0.024	0.027	1.328	1.614	Yes	0.03	0.672			
02728	2757	550	8	118.35	0.036	0.015	0.015	Free Surface	1.858	0.057	0.006	0.038	0.055	2.038	2.309	Yes	0.042	1.628			
02729	2758	2757	8	108.94	0.009	0.011	0.011	Free Surface	1.032	0.07	0.01	0.047	0.047	1.022	1.125	No	0.047	1.032			
02730	2759	2758	8	44.21	0.019	0.004	0.004	Free Surface	0.98	0.035	0.002	0.023	0.027	1.385	1.69	Yes	0.035	0.53			
02731	2760	2758	8	47.93	0.025	0.004	0.004	Free Surface	1.066	0.033	0.002	0.022	0.027	1.551	1.909	Yes	0.034	0.545			
02732	2762	2761	8	331.75	0.005	0.003	0.003	Free Surface	0.603	0.045	0.004	0.03	0.026	0.748	0.877	Yes	0.036	0.467			
02733	2763	2439	8	213.43	0.008	0.013	0.013	Free Surface	1.046	0.079	0.013	0.053	0.052	0.974	1.056	Yes	0.059	0.894			
02734	2764	2763	8	323.56	0.005	0.01	0.01	Free Surface	0.849	0.075	0.011	0.05	0.045	0.812	0.886	Yes	0.051	0.815			
02735	2765	2764	8	183.57	0.006	0.007	0.007	Free Surface	0.776	0.061	0.007	0.04	0.037	0.827	0.929	Yes	0.045	0.657			
02736	2766	2765	8	399.9	0.005	0.003	0.003	Free Surface	0.605	0.045	0.004	0.03	0.026	0.75	0.88	Yes	0.035	0.476			
02737	2767	2435	8	186.38	0.007	0.013	0.013	Free Surface	1.005	0.081	0.014	0.054	0.052	0.922	0.996	No	0.054	1.005			
02738	2768	2767	8	153.52	0.015	0.003	0.003	Free Surface	0.866	0.035	0.002	0.024	0.026	1.214	1.477	Yes	0.039	0.411			
02739	2769	2767	8	273.95	0.006	0.007	0.007	Free Surface	0.798	0.06	0.007	0.04	0.037	0.859	0.968	Yes	0.047	0.622			
02740	2770	2769	8	101.81	0.011	0.003	0.003	Free Surface	0.788	0.038	0.003	0.025	0.026	1.069	1.288	Yes	0.032	0.539			
02741	2771	2434	8	164.86	0.012	0.01	0.01	Free Surface	1.131	0.062	0.008	0.041	0.045	1.194	1.338	Yes	0.043	1.051			
02742	2772	2771	8	165.48	0.006	0.007	0.007	Free Surface	0.801	0.059	0.007	0.04	0.037	0.864	0.974	Yes	0.04	0.777			
02743	2773	2772	8	172.5	0.011	0.003	0.003	Free Surface	0.784	0.038	0.003	0.025	0.026	1.061	1.278	Yes	0.032	0.54			
02745	2775	2774	8	322.4	0.006	0.003	0.003	Free Surface	0.624	0.044	0.004	0.029	0.026	0.782	0.92	Yes	0.037	0.435			
02746	2776	2713	8	188.94	0.015	0.003	0.003	Free Surface	0.874	0.035	0.002	0.023	0.026	1.228	1.496	Yes	0.055	0.244			
02747	2778	2713	10	252.64	0.006	0.022	0.022	Free Surface	1.08	0.079	0.013	0.066	0.062	0.902	1.71	Yes	0.076	0.862			
02748	2777	2778	8	186.51	0.014	0.003	0.003	Free Surface	0.842	0.036	0.002	0.024	0.026	1.168	1.417	Yes	0.045	0.333			
02749	2779	2778	10	237.83	0.004	0.013	0.013	Free Surface	0.792	0.071	0.01	0.059	0.049	0.699	1.344	Yes	0.062	0.73			
02750	2780	2779	8	184.13	0.016	0.003	0.003	Free Surface	0.889	0.035	0.002	0.023	0.026	1.257	1.534	Yes	0.041	0.38			
02751	2781	2782	8	224.91	0.014	0.002	0.002	Free Surface	0.733	0.029	0.002	0.019	0.021	1.132	1.418	Yes	0.021	0.633			
02752	2782	2783	8	99.27	0.02	0.004	0.004	Free Surface	1.041	0.037	0.002	0.024	0.029	1.43	1.73	Yes	0.031	0.747			
02753	2783	2784	8	259.66	0.013	0.006	0.006	Free Surface	1.015	0.049	0.005	0.033	0.036	1.205	1.396	No	0.033	1.015			
02754	2,784.00	1992	8	137	0.017	0.009	0.009	Free Surface	1.204	0.053	0.005	0.035	0.042	1.373	1.573	Yes	0.049	0.741			
02755	1992	2785	8	91.56	0.033	0.041	0.041	Free Surface	2.446	0.094	0.018	0.063	0.091	2.084	2.209	No	0.063	2.446			
02756	2785	2540	8	104.85	0.061	0.043	0.043	Free Surface	3.062	0.084	0.014	0.056	0.094	2.77	2.98	Yes	0.064	2.508			
02757	2540	2539	8	233.11	0.041	0.054	0.054	Free Surface	2.861	0.102	0.022	0.068	0.105	2.339	2.455	Yes	0.076	2.426			
02758	2786	2787	8	184.21	0.007	0.002	0.002	Free Surface	0.585	0.034	0.002	0.023	0.021	0.836	1.023	Yes	0.029	0.404			
02759	2787	2788	8	82.08	0.007	0.004	0.004	Free Surface	0.718	0.047	0.004	0.031	0.029	0.869	1.013	Yes	0.038	0.551			
02760	2788	2789	8	235.74	0.006	0.006	0.006	Free Surface	0.763	0.06	0.007	0.04	0.036	0.821	0.926	Yes	0.041	0.719			
02761	2789	2540	8	248.26	0.005	0.009	0.009	Free Surface	0.794	0.07	0.01	0.047	0.042	0.785	0.865	Yes	0.06	0.558			
02762	1002	999	12	355.14	0.002	0.001	0.001	Free Surface	0.263	0.016	0	0.016	0.011	0.443	1.672	Yes	0.025	0.14			
02763	999	3087	6	187.35	0.001	0.001	0.001	Free Surface	0.286	0.063	0.008	0.031	0.018	0.346	0.188	Yes	0.141	0.032			

02764	2794	2793	8	251.38	0.015	0.003	0.003	Free Surface	0.878	0.035	0.002	0.023	0.026	1.235	1.504	Yes	0.025	0.792			
02765	2793	2779	8	254.65	0.019	0.007	0.007	Free Surface	1.169	0.046	0.004	0.031	0.037	1.433	1.676	Yes	0.045	0.667			
02766	2790	2713	8	267.54	0.012	0.003	0.003	Free Surface	0.816	0.037	0.002	0.025	0.026	1.12	1.354	Yes	0.056	0.24			
02767	2792	2778	10	430.04	0.002	0.001	0.001	Free Surface	0.294	0.029	0.001	0.024	0.015	0.41	0.899	Yes	0.045	0.116			
02768	2792	2791	10	367.87	0.004	0.002	0.002	Free Surface	0.461	0.029	0.001	0.024	0.019	0.641	1.407	Yes	0.031	0.314			
02769	2791	2709	10	361.36	0.004	0.005	0.005	Free Surface	0.612	0.046	0.004	0.038	0.031	0.675	1.382	Yes	0.044	0.484			
02770	2798	2796	8	219.29	0.015	0.043	0.043	Free Surface	1.856	0.117	0.029	0.078	0.093	1.415	1.461	Yes	0.098	1.34			
02771	2799	2798	8	216.24	0.016	0.005	0.005	Free Surface	1.023	0.043	0.003	0.029	0.033	1.299	1.536	Yes	0.055	0.385			
02772	2800	2799	8	394.47	0.006	0.003	0.003	Free Surface	0.598	0.039	0.003	0.026	0.023	0.8	0.96	Yes	0.027	0.567			
02773	2801	2798	8	261.88	0.005	0.013	0.013	Free Surface	0.892	0.087	0.016	0.058	0.052	0.79	0.845	Yes	0.07	0.678			
02774	2802	2801	8	393.51	0.008	0.011	0.011	Free Surface	0.972	0.071	0.01	0.047	0.046	0.957	1.053	Yes	0.054	0.803			
02775	2,803.00	2802	8	395.44	0.001	0.008	0.008	Free Surface	0.44	0.1	0.021	0.067	0.04	0.364	0.383	No	0.067	0.44			
02776	2804	2798	8	263.13	0.008	0.021	0.021	Free Surface	1.216	0.097	0.02	0.065	0.066	1.019	1.076	Yes	0.074	1.01			
02777	2805	2804	8	281.9	0.013	0.003	0.003	Free Surface	0.77	0.033	0.002	0.022	0.023	1.124	1.385	Yes	0.045	0.263			
02778	2806	2804	8	316.65	0.008	0.016	0.016	Free Surface	1.137	0.084	0.014	0.056	0.057	1.029	1.107	Yes	0.062	0.978			
02779	2796	2795	8	382.22	0.003	0.048	0.048	Free Surface	1.157	0.176	0.067	0.117	0.099	0.715	0.709	No	0.117	1.157			
02780	2797	2796	8	357.88	0.004	0.003	0.003	Free Surface	0.49	0.044	0.004	0.029	0.023	0.613	0.722	Yes	0.073	0.127			
02783	1106	2807	8	320.23	0.009	0.002	0.002	Free Surface	0.585	0.027	0.001	0.018	0.018	0.93	1.176	No	0.018	0.585			
02784	2807	1107	8	129.69	0.124	0.003	0.003	Free Surface	1.771	0.021	0.001	0.014	0.025	3.237	4.275	Yes	0.017	1.308			
02785	2808	2809	12	67.24	0.009	0.597	0.597	Free Surface	3.286	0.282	0.174	0.282	0.321	1.288	3.441	No	0.282	3.286			
02786	2809	1702	12	276.99	0.058	0.599	0.599	Free Surface	6.289	0.179	0.07	0.179	0.322	3.144	8.587	Yes	1	0.763			
02787	1107	2808	8	72.69	0.108	0.005	0.005	Free Surface	1.907	0.026	0.001	0.017	0.031	3.118	3.978	Yes	0.152	0.079			
02788	2813	2812	8	101.01	0.013	0.002	0.002	Pressurized	0.661	0.025	0.001	0.017	0.018	1.096	1.404	Yes	0.667	0.004			
02789	2812	2811	8	137.61	0.007	0.003	0.003	Pressurized	0.665	0.04	0.003	0.027	0.025	0.874	1.043	Yes	0.667	0.009			
02790	2811	2810	8	116.09	0.065	0.005	0.005	Free Surface	1.599	0.029	0.002	0.02	0.031	2.464	3.086	Yes	0.03	0.851			
02791	2810	1663	8	150.64	0.029	0.013	0.013	Free Surface	1.64	0.056	0.006	0.037	0.05	1.827	2.079	No	0.037	1.64			
02792	991	1662	8	68.4	0.021	0.002	0.002	Free Surface	0.775	0.023	0.001	0.015	0.018	1.354	1.764	Yes	0.02	0.497			
02793	2816	1160	8	400.67	0.01	0.019	0.019	Free Surface	1.275	0.087	0.015	0.058	0.062	1.133	1.214	Yes	0.063	1.118			
02794	2817	1659	12	255.62	0.018	0.693	0.693	Free Surface	4.326	0.258	0.145	0.258	0.347	1.782	4.767	Yes	0.268	4.102			
02795	2814	2815	8	154.81	0.01	0.008	0.008	Free Surface	0.966	0.058	0.007	0.039	0.04	1.054	1.193	No	0.039	0.966			
02796	2815	607	8	227.78	0.022	0.009	0.009	Free Surface	1.362	0.052	0.005	0.035	0.043	1.571	1.806	Yes	0.135	0.186			
02797	2818	610	8	263.17	0.012	0.004	0.004	Free Surface	0.825	0.038	0.003	0.025	0.027	1.119	1.348	Yes	0.031	0.616			
02800	1119	1143	8	84.71	0.114	0.942	0.942	Free Surface	9.524	0.326	0.23	0.217	0.46	4.22	4.093	Yes	0.667	2.698			
02801	1120	1122	21	401.02	0.002	2.938	2.938	Free Surface	2.953	0.432	0.387	0.756	0.622	0.687	7.585	No	0.756	2.953			
02802	1122	2820	21	307.06	0.003	2.94	2.94	Free Surface	3.171	0.409	0.352	0.717	0.622	0.761	8.359	No	0.717	3.171			
02804	2821	2822	8	96.4	0.04	0.003	0.003	Free Surface	1.185	0.027	0.001	0.018	0.025	1.902	2.412	Yes	0.025	0.732			
02805	2822	2824	8	92.68	0.012	0.006	0.006	Free Surface	0.973	0.049	0.005	0.033	0.035	1.156	1.339	No	0.033	0.973			
02807	2824	2823	8	67.73	0.104	0.009	0.009	Free Surface	2.32	0.036	0.002	0.024	0.043	3.222	3.911	Yes	0.026	2.015			
02811	2826	843	8	172.26	0.043	0.003	0.003	Free Surface	1.237	0.027	0.001	0.018	0.025	1.983	2.514	Yes	0.043	0.344			
02812	2831	2830	8	206.39	0.015	0.002	0.002	Free Surface	0.733	0.028	0.001	0.019	0.02	1.159	1.463	Yes	0.025	0.483			
02813	2830	2829	8	63.75	0.008	0.004	0.004	Free Surface	0.734	0.044	0.004	0.03	0.028	0.918	1.079	No	0.03	0.734			
02814	2829	2828	8	53.44	0.012	0.006	0.006	Free Surface	0.961	0.049	0.005	0.032	0.035	1.147	1.331	No	0.032	0.961			
02815	2828	2827	8	243.73	0.018	0.008	0.008	Free Surface	1.199	0.051	0.005	0.034	0.04	1.4	1.614	No	0.034	1.199			
02816	2827	2057	8	128.06	0.043	0.01	0.01	Free Surface	1.747	0.046	0.004	0.031	0.045	2.149	2.515	Yes	0.063	0.602			
02818	2832	362	8	183.88	0.046	0.096	0.096	Free Surface	3.551	0.132	0.037	0.088	0.141	2.551	2.602	Yes	0.097	3.081			
02820	2833	342	8	130.72	0.014	0.009	0.009	Free Surface	1.167	0.057	0.006	0.038	0.043	1.28	1.451	Yes	0.052	0.75			
02822	2834	340	8	255.11	0.015	0.214	0.214	Free Surface	3.003	0.258	0.146	0.172	0.213	1.513	1.469	Yes	0.191	2.594			
02828	1076	1075	8	242.34	0.007	0.002	0.002	Free Surface	0.519	0.03	0.002	0.02	0.018	0.793	0.99	Yes	0.021	0.474			
02831	965	966	8	123.8	0.021	0.015	0.015	Free Surface	1.54	0.065	0.008	0.043	0.055	1.586	1.766	Yes	0.053	1.132			
02832	966	993	8	230.77	0.006	0.018	0.018	Free Surface	1.054	0.095	0.019	0.063	0.06	0.894	0.947	No	0.063	1.054			
02833	993	994	8	199.65	0.028	0.021	0.021	Free Surface	1.872	0.071	0.01	0.048	0.065	1.837	2.018	No	0.048	1.872			
02834	2840	2839	8	216.29	0.019	0.002	0.002	Free Surface	0.852	0.028	0.001	0.019	0.022	1.334	1.678	Yes	0.029	0.441			
02835	2839	2838	8	244.66	0.003	0.005	0.005	Free Surface	0.559	0.06	0.007	0.04	0.031	0.6	0.675	Yes	0.041	0.548			
02836	2838	2837	8	328.84	0.006	0.007	0.007	Free Surface	0.805	0.062	0.008	0.041	0.038	0.851	0.954	No	0.041	0.805			
02837	2837	2836	8	258.11	0.02	0.01	0.01	Free Surface	1.319	0.054	0.006	0.036	0.044	1.496	1.711	Yes	0.044	0.966			
02838	2836	2835	8	232.11	0.006	0.012	0.012	Free Surface	0.933	0.079	0.013	0.053	0.049	0.871	0.944	Yes	0.053	0.917			
02839	2835	2484	8	106.35	0.008	0.014	0.014	Free Surface	1.081	0.081	0.013	0.054	0.054	0.996	1.077	No	0.054	1.081			
02840	2843	2842	8	313.87	0.011	0.005	0.005	Free Surface	0.891	0.048	0.004	0.032	0.033	1.07	1.245	Yes	0.045	0.542			
02841	2842	40	8	102.21	0.009	0.016	0.016	Free Surface	1.184	0.083	0.014	0.055	0.057	1.077	1.16	Yes	0.056	1.163			
02842	2841	2842	8	118.69	0.014	0.005	0.005	Free Surface	0.974	0.045	0.004	0.03	0.033	1.207	1.416	Yes	0.044	0.559			
02843	253.00	2844	8	134.71	0.01	0.126	0.126	Free Surface	2.22	0.22	0.106	0.147	0.162	1.219	1.191	Yes	0.159	1.983			
02844	2844	2845	8	29.99	0.006	0.13	0.13	Free Surface	1.871	0.253	0.14	0.169	0.165	0.953	0.926	No	0.169	1.871			
02845	2846	2060	8	62.99	0.064	0.002	0.002	Free Surface	1.222	0.02	0.001	0.013	0.02	2.293	3.053	Yes	0.084	0.078			
02846	2847	2848	8	169.86	0.017	0.003	0.003	Free Surface	0.883	0.033	0.002	0.022	0.025	1.282	1.577	Yes	0.026	0.688			
02847	2848	56	8	18.44	0.042	0.012	0.012	Free Surface	1.848	0.051	0.005	0.034	0.05	2.155	2.484	Yes	0.04	1.459			
02850	447	292	8	18.78	0.071	0.399	0.399	Free Surface	6.286	0.238	0.124	0.158	0.294	3.311	3.224	Yes	0.301	2.61			
02851	8	2849	8	399.87	0.003	0.311	0.311	Free Surface	1.915	0.473	0.454	0.315	0.258	0.683	0.685	Yes	0.321	1.869			
02855	197	199	8	143.95	0.049	0.004	0.004	Free Surface	1.352	0.028	0.001	0.019	0.027	2.132	2.689	Yes	0.089	0.134			
02857	2850	511	8	188.07	0.076	0.006	0.006	Free Surface	1.84	0.032	0.002	0.021	0.035	2.703	3.336	Yes	0.035	0.895			
02858	2851	133	10	448.54	0.027	0.002	0.002	Free Surface	0.861	0.018	0.001	0.015	0.018	1.527	3.613	Yes	0.015	0.858			
02859	2852	131	10	38.7	0.004	0.002	0.002	Free Surface	0.435	0.028	0.001	0.023	0.018	0.612	1.348	Yes	0.041	0.188			
02860	2853	142	18	459.25	0.008	2.205	2.205	Free Surface	4.297	0.332	0.238	0.498	0.561	1.257	9.26	No	0.498	4.297			
02861	198	2853	18	461.22	0.007	2.205	2.205	Free Surface	4.214	0.337	0.245	0.505	0.561	1.223	9.014	No	0.505	4.214			
02862	2854	144	8	317.57	0.034	0.004	0.004	Free Surface	1.197	0.031	0.002	0.02	0.027	1.806	2.247	Yes	0.041	0.426			
02863	2861	144	8	148.3	0.027	0.004	0.004	Free Surface	1.106	0.032	0.002	0.021	0.027	1.624	2.005	Yes	0.04	0.441			
02864	544	545	10	22	0.102	0.036	0.036	Free Surface	3.377	0.052	0.005	0.043	0.081	3.493	7.018	Yes	0.05	2.729			
02868	2856	2857	8	298.47	0.004	0.026	0.026	Free Surface	1.041	0.126	0.034	0.084	0.073	0.764	0.783	No	0.084	1.041			
02869	2855	2856	8	345.5	0.034	0.012	0.012	Free Surface	1.685	0.052	0.005	0.035	0.049	1.937	2.223	Yes	0.06	0.749			
02870	2858	193	12	268.01	0.01	0.101	0.101	Free Surface	1.972	0.117	0.029	0.117	0.13	1.229	3.5	Yes	0.124	1.801			
02871	53	2858	12	153.03	0.005	0.101	0.101	Free Surface	1.517	0.14	0.042	0.14	0.13	0.863	2.411	No	0.14	1.517			
02872	2859	1154	8	283.64	0.016	0	0	Free Surface	0	0	0	0	0.005	0	1.537	No	0	0			
02872	2859	1154	8	283.64	0.016	0	0	Free Surface	0	0	0	0	0.005	0	1.537	No	0	0			
02872	2859	1154	8	283.64	0.016	0	0	Free Surface	0	0	0	0	0.005	0	1.537	No	0	0			
02873	1,718.00	2875	15	85.2	0.01	0.878	0.878	Free Surface	3.639	0.251	0.138	0.314	0.367	1.359	6.358	No	0.314	3.639			
02874	1152	1153	15	23.65	0.137	0.878	0.878	Free Surface	9.279	0.131	0.037	0.164	0.368	4.88	23.973	Yes	0.371	2.878			
02875	2864	1381	8	223.45	0.104	0.007	0.007	Free Surface	2.146	0.032	0.002	0.021	0.038	3.162	3.907	Yes	0.025	1.646			
02876	2863	2864	8	32.45	0.049	0.004	0.004	Free Surface	1.334	0.028	0.001	0.018	0.027	2.117	2.675	Yes	0.021	1.107			
02877	1659	2865	12	183.87	0.014	0.696	0.696	Free Surface	3.955	0.275	0.166	0.275	0.348	1.571	4.196	Yes	0.287	3.731			
02881	2866	2344	8	122.42	0.024	0.031	0.031	Free Surface	2.027	0.089	0.016	0.06	0.08	1.774	1.894	Yes	0.062	1.914			
02882	2867	2866	8	165.89	0.01	0.003	0.003	Free Surface	0.733	0.038	0.003	0.025	0.025	0.996	1.2	Yes	0.041	0.348			
02883	2868	2866	8	73.25	0.031	0.025	0.025	Free Surface	2.061	0.076	0.012	0.051	0.071	1.96	2.137	Yes	0.054	1.869			
02884	3042	2868	8	349.97	0.02	0.022	0.022	Free Surface	1.687	0.08	0.013	0.053	0.067	1.568	1.699	No	0.053	1.687			
02885	2869	2331	8	316.67	0.024	0.006	0.006	Free Surface	1.234	0.042	0.003	0.028	0.035	1.581	1.873	Yes	0.048	0.551			
02886	2870	2869	8	156.08	0.023	0.003	0.003	Free Surface	0.987	0.031	0.002	0.02	0.025	1.484	1.845	Yes	0.023	0.815			
02887	2871	800	8	326.45	0.039	0.006	0.006	Free Surface	1.421	0.036	0.002	0.024	0.034	1.965	2.381	Yes	0.025	1.357			
02888	2877	500	8	14.11	0.007	0.011	0.011	Free Surface	0.973	0.075	0.011	0.05	0.048	0.934	1.02	Yes	0.055	0.841			
02889	2879	2878	8	52.08	0.013	0.015	0.015	Free Surface	1.316	0.073	0.011	0.049	0.055	1.28	1.403	No	0.049	1.316			
02890	2878	1607	8	37.05	0.283	0.017	0.017	Free Surface	3.942	0.038	0.003	0.025	0.058	5.351	6.45	Yes	0.165	0.251			
02892	2,881.00	2880	8	67.24	0.014	0.007	0.007	Free Surface	1.078	0.052	0.005	0.035	0.039	1.241	1.426	No	0.035	1.078			
02893	1162	2881	8	120.79	0.067	0.006	0.006	Free Surface	1.711	0.032	0.002	0.021	0.034	2.54	3.144	Yes	0.526	0.019			
02894	1740	1431	12	75.93	0.004	0.683	0.683	Free Surface	2.509	0.378	0.304	0.378	0.345	0.834	2.245	Yes	0.4	2.331			
02895	1741	1740	12	30.16	0.013	0.679	0.679	Free Surface	3.838	0.277	0.167	0.277	0.344	1.521	4.062	Yes	0.328	3.037			

02897	2882	1766	8	275.08	0.062	0.004	0.004	Free Surface	1.47	0.027	0.001	0.018	0.027	2.377	3.022	Yes	0.03	0.664			
02898	2883	1403	8	194.58	0.058	0.004	0.004	Free Surface	1.419	0.026	0.001	0.018	0.027	2.298	2.923	Yes	0.019	1.236			
02899	882	888	8	162.15	0.058	0.001	0.001	Free Surface	1.076	0.017	0	0.012	0.017	2.15	2.922	Yes	0.667	0.004			
02900	2872	2873	8	132.84	0.017	0.001	0.001	Free Surface	0.567	0.017	0	0.011	0.012	1.151	1.571	Yes	0.016	0.325			
02901	2873	2874	8	123.2	0.008	0.001	0.001	Free Surface	0.542	0.028	0.001	0.018	0.017	0.858	1.084	Yes	0.022	0.405			
02902	2874	981	8	103.99	0.002	0.002	0.002	Free Surface	0.387	0.046	0.004	0.03	0.021	0.477	0.558	No	0.03	0.387			
02903	981	984	8	241.59	0.006	0.003	0.003	Free Surface	0.619	0.04	0.003	0.027	0.024	0.811	0.967	No	0.027	0.619			
02904	984	985	8	184.86	0.023	0.004	0.004	Free Surface	1.091	0.036	0.002	0.024	0.03	1.509	1.829	Yes	0.031	0.751			
02907	2876	1152	15	153.09	0.03	0.878	0.878	Free Surface	5.451	0.189	0.078	0.236	0.368	2.368	11.249	No	0.236	5.451			
02908	2886	2885	8	109.76	0.042	0.031	0.031	Free Surface	2.439	0.078	0.012	0.052	0.079	2.295	2.494	No	0.052	2.439			
02909	2885	1294	8	78.49	0.066	0.032	0.032	Free Surface	2.886	0.071	0.01	0.047	0.08	2.841	3.124	Yes	0.066	1.77			
02910	662	2887	10	13.24	0.104	1.662	1.662	Free Surface	10.594	0.33	0.235	0.275	0.578	4.172	7.072	Yes	0.312	8.915			
02911	2893	2894	10	376.82	0.028	1.675	1.675	Free Surface	6.613	0.472	0.453	0.393	0.581	2.112	3.698	No	0.393	6.613			
02912	2887	2888	10	246.83	0.044	1.664	1.664	Free Surface	7.738	0.417	0.363	0.347	0.579	2.666	4.586	Yes	0.348	7.723			
02913	2888	2889	10	319.41	0.043	1.666	1.666	Free Surface	7.687	0.419	0.367	0.349	0.579	2.639	4.543	Yes	0.356	7.506			
02914	2889	2890	10	384.38	0.038	1.668	1.668	Free Surface	7.394	0.432	0.387	0.36	0.579	2.493	4.308	Yes	0.373	7.065			
02915	2890	2891	10	357.24	0.03	1.669	1.669	Free Surface	6.77	0.462	0.437	0.385	0.58	2.19	3.822	Yes	0.405	6.341			
02916	2891	2892	10	157.12	0.022	1.671	1.671	Free Surface	6.023	0.507	0.512	0.422	0.58	1.839	3.266	No	0.422	6.023			
02917	2892	2893	10	310.29	0.027	1.673	1.673	Free Surface	6.448	0.481	0.468	0.401	0.58	2.036	3.576	No	0.401	6.448			
02918	2894	2895	10	243.73	0.03	1.677	1.677	Free Surface	6.755	0.465	0.441	0.387	0.581	2.179	3.804	Yes	0.391	6.67			
02919	2895	2554	15	76.97	0.042	2.889	2.889	Free Surface	8.685	0.316	0.216	0.395	0.683	2.861	13.35	Yes	0.438	7.533			
02920	2896	2897	8	181.69	0.005	0.002	0.002	Free Surface	0.509	0.034	0.002	0.023	0.019	0.727	0.89	Yes	0.027	0.391			
02921	2897	2551	8	67.22	0.006	0.004	0.004	Free Surface	0.656	0.046	0.004	0.03	0.027	0.808	0.946	Yes	0.034	0.548			
02922	2900	2751	8	232.19	0.075	0.002	0.002	Free Surface	1.321	0.02	0.001	0.013	0.021	2.484	3.31	Yes	0.017	0.859			
02923	2898	2534	8	270.86	0.006	0.004	0.004	Free Surface	0.694	0.048	0.004	0.032	0.029	0.831	0.965	Yes	0.051	0.349			
02924	2899	2898	8	88.21	0.008	0.002	0.002	Free Surface	0.598	0.033	0.002	0.022	0.021	0.861	1.056	Yes	0.027	0.444			
02925	1721	2909	8	148.58	0.009	0.013	0.013	Free Surface	1.121	0.074	0.011	0.049	0.051	1.079	1.18	No	0.049	1.121			
02926	2909	2545	8	51.26	0.032	0.015	0.015	Free Surface	1.785	0.059	0.007	0.039	0.055	1.927	2.174	Yes	0.044	1.538			
02927	2901	2902	8	263.19	0.026	0.004	0.004	Free Surface	1.079	0.033	0.002	0.022	0.027	1.573	1.936	Yes	0.025	0.86			
02928	2902	2903	8	331.25	0.017	0.006	0.006	Free Surface	1.061	0.043	0.004	0.029	0.034	1.339	1.58	Yes	0.035	0.813			
02929	2903	2904	8	272.79	0.007	0.007	0.007	Free Surface	0.866	0.06	0.007	0.04	0.039	0.925	1.04	Yes	0.109	0.201			
02930	2906	2905	8	342.8	0.008	0.002	0.002	Free Surface	0.58	0.031	0.002	0.021	0.019	0.865	1.073	Yes	0.103	0.055			
02931	2905	2904	10	308.38	0.03	0.415	0.415	Free Surface	4.597	0.222	0.108	0.185	0.281	2.244	3.829	No	0.185	4.597			
02932	2904	2907	10	241.49	0.037	0.425	0.425	Free Surface	4.984	0.213	0.1	0.178	0.284	2.486	4.253	Yes	0.21	3.938			
02933	2907	2908	10	250.45	0.011	0.432	0.432	Free Surface	3.283	0.291	0.184	0.242	0.287	1.387	2.348	Yes	0.587	1.053			
02934	2908	1116	10	187.37	0.005	0.434	0.434	Pressurized	2.406	0.365	0.285	0.305	0.287	0.894	1.523	Yes	0.833	0.796			
02935	2910	2901	8	243.49	0.023	0.002	0.002	Free Surface	0.838	0.024	0.001	0.016	0.019	1.417	1.826	Yes	0.019	0.662			
02936	2914	2913	8	217.77	0.007	0.002	0.002	Free Surface	0.522	0.03	0.002	0.02	0.018	0.793	0.989	Yes	0.025	0.374			
02937	2913	2912	8	222.22	0.005	0.003	0.003	Free Surface	0.57	0.045	0.004	0.03	0.025	0.705	0.827	Yes	0.032	0.508			
02940	1252	2915	8	119.01	0.01	0.002	0.002	Free Surface	0.619	0.028	0.001	0.019	0.018	0.975	1.229	Yes	0.029	0.32			
02941	2916	1699	12	64.31	0.057	0.588	0.588	Free Surface	6.233	0.178	0.069	0.178	0.319	3.127	8.544	Yes	0.178	6.213			
02942	1215	2917	12	450.07	0.004	0.55	0.55	Free Surface	2.397	0.334	0.24	0.334	0.308	0.856	2.29	No	0.334	2.397			
02943	1449	1448	8	300.3	0.005	0.018	0.018	Free Surface	1.011	0.1	0.021	0.066	0.061	0.837	0.882	Yes	0.287	0.128			
02946	1207	2919	8	181.57	0.009	0.003	0.003	Free Surface	0.723	0.04	0.003	0.027	0.026	0.949	1.132	Yes	0.031	0.582			
02947	2,919.00	1549	8	402.72	0.003	0.005	0.005	Free Surface	0.593	0.06	0.007	0.04	0.032	0.635	0.714	Yes	0.057	0.352			
02948	1920	2920	8	325.23	0.007	0.355	0.355	Free Surface	2.699	0.403	0.341	0.268	0.277	1.061	1.041	Yes	0.269	2.69			
02949	1617	2921	8	399.33	0.004	0.185	0.185	Free Surface	1.789	0.336	0.244	0.224	0.197	0.779	0.757	No	0.224	1.789			
02955	30	27	8	105.69	0.029	0.011	0.011	Free Surface	1.562	0.052	0.005	0.035	0.047	1.796	2.061	Yes	0.083	0.439			
02956	2795	2934	8	318.45	0.004	0.051	0.051	Free Surface	1.268	0.171	0.064	0.114	0.102	0.794	0.789	Yes	0.119	1.198			
02957	2934	2933	8	308.76	0.004	0.053	0.053	Free Surface	1.223	0.182	0.072	0.122	0.104	0.741	0.734	No	0.122	1.223			
02958	2933	2932	8	400.92	0.004	0.056	0.056	Free Surface	1.317	0.179	0.07	0.119	0.107	0.806	0.799	No	0.119	1.317			
02959	2931	2930	8	394.79	0.007	0.061	0.061	Free Surface	1.607	0.166	0.06	0.111	0.112	1.022	1.019	Yes	0.113	1.566			
02960	2930	2929	8	251.29	0.008	0.064	0.064	Free Surface	1.7	0.165	0.059	0.11	0.114	1.087	1.085	Yes	0.113	1.631			
02961	2929	2928	8	249.15	0.008	0.066	0.066	Free Surface	1.717	0.168	0.061	0.112	0.117	1.086	1.082	No	0.112	1.717			
02962	2928	2927	8	395.36	0.011	0.069	0.069	Free Surface	1.974	0.157	0.053	0.105	0.119	1.295	1.298	Yes	0.106	1.93			
02963	2927	2926	8	393.15	0.01	0.072	0.072	Free Surface	1.884	0.166	0.06	0.111	0.122	1.199	1.195	No	0.111	1.884			
02964	2,926.00	2925	8	395.37	0.011	0.074	0.074	Free Surface	1.978	0.165	0.059	0.11	0.124	1.264	1.261	Yes	0.114	1.865			
02965	2925	2924	8	395.47	0.01	0.077	0.077	Free Surface	1.917	0.173	0.065	0.115	0.126	1.196	1.189	No	0.115	1.917			
02966	12	13	8	299.15	0.025	0.005	0.005	Free Surface	1.205	0.039	0.003	0.026	0.033	1.604	1.922	Yes	0.034	0.805			
02967	13	14	8	194.35	0.025	0.016	0.016	Free Surface	1.685	0.065	0.009	0.044	0.057	1.729	1.924	Yes	0.058	1.11			
02968	16.00	17	8	175.25	0.012	0.038	0.038	Free Surface	1.698	0.116	0.028	0.077	0.088	1.303	1.348	No	0.077	1.70			
02969	11	10	8	224.22	0.027	0.115	0.115	Free Surface	3.091	0.163	0.058	0.109	0.154	1.986	1.984	Yes	0.113	2.939			
02970	21	22	8	207.84	0.009	0.071	0.071	Free Surface	1.86	0.166	0.06	0.111	0.121	1.183	1.18	Yes	0.14	1.333			
02971	22	23	8	107.09	0.018	0.229	0.229	Free Surface	3.299	0.253	0.14	0.169	0.22	1.68	1.632	Yes	0.184	2.914			
02972	25	22	8	198.57	0.006	0.153	0.153	Free Surface	1.973	0.273	0.164	0.182	0.179	0.963	0.934	No	0.182	1.973			
02973	26	25	8	300	0.017	0.147	0.147	Free Surface	2.844	0.206	0.093	0.137	0.176	1.617	1.587	Yes	0.159	2.307			
02974	10	28	8	81.09	0.025	0.12	0.12	Free Surface	3.049	0.17	0.063	0.113	0.158	1.917	1.907	Yes	0.126	2.613			
02975	28	27	8	66.18	0.012	0.125	0.125	Free Surface	2.375	0.209	0.095	0.139	0.162	1.341	1.315	No	0.139	2.375			
02976	31	21	8	159.69	0.01	0.022	0.022	Free Surface	1.335	0.093	0.018	0.062	0.066	1.146	1.217	Yes	0.086	0.821			
02977	32	31	8	130	0.022	0.016	0.016	Free Surface	1.603	0.068	0.009	0.045	0.057	1.617	1.791	Yes	0.054	1.24			
02978	38	37	8	289.18	0.008	0.055	0.055	Free Surface	1.63	0.152	0.05	0.101	0.106	1.086	1.092	Yes	0.104	1.576			
02979	41	39	8	131.87	0.019	0.027	0.027	Free Surface	1.781	0.089	0.016	0.059	0.074	1.562	1.668	Yes	0.062	1.684			
02980	40	41	8	91.35	0.011	0.022	0.022	Free Surface	1.389	0.091	0.017	0.06	0.066	1.208	1.287	Yes	0.06	1.388			
02981	39	49	8	181.6	0.019	0.033	0.033	Free Surface	1.89	0.097	0.019	0.065	0.082	1.589	1.679	Yes	0.069	1.704			
02982	50	38	8	111.09	0.012	0.044	0.044	Free Surface	1.742	0.125	0.033	0.083	0.094	1.288	1.321	Yes	0.093	1.488			
02983	2924	2935	8	394.98	0.011	0.08	0.08	Free Surface	2.012	0.171	0.064	0.114	0.128	1.262	1.255	No	0.114	2.012			
02984	2935	2936	8	230.1	0.014	0.082	0.082	Free Surface	2.245	0.162	0.057	0.108	0.13	1.447	1.447	Yes	0.113	2.093			
02985	2936	2424	8	298.41	0.01	0.086	0.086	Free Surface	2.037	0.178	0.069	0.119	0.133	1.25	1.239	Yes	0.131	1.77			
02986	2932	2931	8	366.84	0.013	0.059	0.059	Free Surface	1.942	0.141	0.043	0.094	0.11	1.344	1.361	Yes	0.101	1.756			
02987	2938	2937	8	209.97	0.009	0.007	0.007	Free Surface	0.911	0.054	0.006	0.036	0.037	1.026	1.171	Yes	0.043	0.702			
02988	2937	2004	8	216.89	0.005	0.01	0.01	Free Surface	0.843	0.075	0.012	0.05	0.045	0.805	0.878	Yes	0.078	0.444			
02989	2940	2939	8	196.03	0.008	0.007	0.007	Free Surface	0.877	0.056	0.006	0.037	0.037	0.975	1.108	Yes	0.044	0.694			
02990	2,939.00	2005	8	399.43	0.005	0.01	0.01	Free Surface	0.851	0.075	0.011	0.05	0.045	0.814	0.889	Yes	0.068	0.541			
02991	2941	2003	8	208.05	0.006	0.017	0.017	Free Surface	1.029	0.093	0.018	0.062	0.058	0.881	0.935	Yes	0.096	0.545			
02992	2942	2731	8	63.75	0.044	0.001	0.001	Free Surface	0.97	0.019	0.001	0.012	0.017	1.88	2.53	Yes	0.013	0.871			
02994	2943	1296	8	247.92	0.005	0.018	0.018	Free Surface	1.015	0.1	0.021	0.067	0.061	0.838	0.882	Yes	0.085	0.717			
02995	2944	1273	8	71.45	0.019	0.001	0.001	Free Surface	0.68	0.02	0.001	0.014	0.015	1.253	1.658	Yes	0.019	0.416			
02997	2946	2408	10	447.49	0.003	0.132	0.132	Free Surface	1.477	0.22	0.106	0.183	0.156	0.725	1.237	No	0.183	1.477			
02998	2945	2946	8	309.17	0.01	0.003	0.003	Free Surface	0.764	0.038	0.003	0.026	0.026	1.026	1.233	Yes	0.105	0.096			
02999	2953	2952	10	409.2	0.005	0.003	0.003	Free Surface	0.555	0.035	0.002	0.029	0.025	0.696	1.479	Yes	0.038	0.375			
03000	2952	2951	10	397.28	0.004	0.007	0.007	Free Surface	0.649	0.051	0.005	0.042	0.035	0.678	1.365	Yes	0.049	0.521			
03001	2951	2950	10	399.04	0.004	0.01	0.01	Free Surface	0.721	0.062	0.008	0.052	0.043	0.681	1.332	No	0.052	0.721			
03002	2954	2946	10	236.03	0.004	0.125	0.125	Free Surface	1.6	0.201	0.088	0.167	0.152	0.824	1.416	Yes	0.175	1.495			
03003	2947	2703	8	232.08	0.008	0.003	0.003	Free Surface	0.685	0.041	0.003	0.028	0.026	0.886	1.052	Yes	0.045	0.334			
03004	2950	2700	10	350.35	0.007	0.013	0.013	Free Surface	0.971	0.062	0.008	0.051	0.049	0.918	1.799	Yes	0.06	0.77			
03005	2948	2949	10	315.58	0.004	0.003	0.003	Free Surface	0.542	0.036	0.002	0.03	0.025	0.674	1.428	Yes	0.033	0.475			
03006	2949	2703	10	273.48	0.014	0.007	0.007	Free Surface	1.005	0.038	0.003	0.031	0.035	1.218	2.562	Yes	0.047	0.559			
03007	2704	2954	10	265.98	0.005	0.121	0.121	Free Surface	1.653	0.192	0.081	0.16	0.149	0.871	1.5	Yes	0.164	1.603			
03008	1705	2957	8	131.66	0.092	0.002	0.002	Free Surface	1.429	0.019	0.001	0.013	0.021	2.743	3.679	Yes	0.016	0.966			
03009	2955	1705	8	197.86	0.012	0.001	0.001	Free Surface	0.616	0.025	0.001	0.017	0.017	1.02	1.307	No	0.017	0.616			
03010	2956	2955	8	47.7	0.135	0.001	0.001	Free Surface	1.165	0.01	0	0.007	0.012	3.018	4.456	Yes	0.013	0.434			
03011	2958	732	8	56.79	0.015	0.032	0.032	Free Surface	1.725	0.102	0.022	0.068	0.081	1.41	1.48	Yes	0.667	0.093			

03012	2959	890	8	31.72	0.042	0.021	0.021	Free Surface	2.165	0.065	0.009	0.044	0.065	2.222	2.472	Yes	0.159	0.331			
03013	2960	888	12	197.69	0.005	1.12	1.12	Pressurized	3.086	0.47	0.45	0.47	0.446	0.902	2.489	Yes	1	1.427			
03014	887	2961	12	46.25	0.144	1.13	1.13	Free Surface	10.467	0.195	0.083	0.195	0.448	4.998	13.564	Yes	0.41	3.727			
03015	2962	884	8	32.21	0.006	0.018	0.018	Free Surface	1.017	0.096	0.019	0.064	0.059	0.857	0.906	Yes	0.193	0.209			
03016	2,963.00	811	8	369.46	0.031	0.004	0.004	Free Surface	1.155	0.031	0.002	0.021	0.027	1.717	2.127	Yes	0.04	0.441			
03017	3037	2334	8	98.85	0.009	0.003	0.003	Free Surface	0.722	0.038	0.003	0.025	0.025	0.976	1.175	Yes	0.037	0.415			
03018	2964	2224	8	165.81	0.038	0.005	0.005	Free Surface	1.322	0.033	0.002	0.022	0.03	1.92	2.362	Yes	0.029	0.854			
03019	2243	667	10	156.6	0.055	0.296	0.296	Free Surface	5.149	0.162	0.057	0.135	0.236	2.965	5.175	Yes	0.833	0.544			
03020	2967	379	8	82.07	0.002	0.044	0.044	Free Surface	0.998	0.183	0.073	0.122	0.094	0.604	0.598	No	0.122	0.998			
03023	312	9000	12	51.06	0.031	1.256	1.256	Free Surface	6.256	0.303	0.199	0.303	0.473	2.359	6.298	No	0.303	6.256			
03027	2970	984	8	207.63	0.022	0.001	0.001	Free Surface	0.625	0.016	0	0.011	0.012	1.31	1.807	Yes	0.016	0.328			
03028	985	987	8	359.88	0.007	0.005	0.005	Free Surface	0.767	0.051	0.005	0.034	0.032	0.893	1.029	No	0.034	0.767			
03029	987	1714	8	202.93	0.024	0.006	0.006	Free Surface	1.208	0.041	0.003	0.027	0.034	1.57	1.867	Yes	0.166	0.086			
03033	2972	2911	6	381.46	0.029	0.001	0.001	Free Surface	0.712	0.021	0.001	0.011	0.013	1.489	0.955	Yes	0.5	0.004			
03034	2971	947	8	34.05	0.345	0.004	0.004	Free Surface	2.64	0.018	0.001	0.012	0.027	5.247	7.114	Yes	0.019	1.285			
03035	992	946	8	86.37	0.044	0.002	0.002	Free Surface	1.109	0.022	0.001	0.015	0.021	1.955	2.553	Yes	0.021	0.686			
03036	2,974.00	992	8	125.25	0.02	0.001	0.001	Free Surface	0.604	0.016	0	0.011	0.012	1.256	1.728	Yes	0.011	0.58			
03037	952	2975	8	108.08	0.039	0.011	0.011	Free Surface	1.737	0.049	0.005	0.032	0.047	2.069	2.4	Yes	0.048	0.97			
03038	2975	2980	12	382.32	0.002	0.013	0.013	Free Surface	0.622	0.064	0.008	0.064	0.046	0.528	1.624	Yes	0.078	0.458			
03039	2980	2979	12	366.16	0	0.014	0.014	Free Surface	0.376	0.093	0.018	0.093	0.048	0.263	0.77	No	0.093	0.376			
03040	2979	2978	12	363.35	0.003	0.015	0.015	Free Surface	0.743	0.061	0.007	0.061	0.049	0.646	2.001	Yes	0.064	0.684			
03041	2978	2977	12	407.48	0.002	0.015	0.015	Free Surface	0.664	0.068	0.009	0.068	0.05	0.547	1.669	Yes	0.199	0.137			
03042	2977	1708	12	55.95	0.001	0.016	0.016	Free Surface	0.436	0.093	0.018	0.093	0.051	0.305	0.893	Yes	0.348	0.066			
03043	2981	2982	12	501.4	0.002	0.001	0.001	Free Surface	0.255	0.017	0	0.017	0.011	0.425	1.603	Yes	0.02	0.197			
03044	2982	2975	12	290.18	0.002	0.001	0.001	Free Surface	0.316	0.023	0.001	0.023	0.015	0.449	1.611	Yes	0.043	0.123			
03045	1716	2983	12	423.65	0.039	1.189	1.189	Free Surface	6.671	0.278	0.169	0.278	0.46	2.636	7.041	No	0.278	6.671			
03046	1820	2976	18	64.05	0.017	4.774	4.774	Free Surface	7.096	0.406	0.346	0.609	0.84	1.85	13.803	Yes	0.789	5.066			
03047	2984	1953	21	330.29	0.001	0.003	0.003	Free Surface	0.32	0.019	0.001	0.033	0.02	0.378	5.665	Yes	0.044	0.21			
03048	1957	2991	21	382.51	0.002	0.45	0.45	Free Surface	1.755	0.164	0.058	0.286	0.238	0.695	7.749	Yes	0.307	1.588			
03049	2991	2990	24	389.16	0.001	0.454	0.454	Free Surface	1.353	0.164	0.058	0.327	0.231	0.501	7.798	No	0.327	1.353			
03050	2,990.00	2989	24	383.21	0.001	0.457	0.457	Free Surface	1.394	0.161	0.056	0.322	0.231	0.52	8.111	No	0.322	1.394			
03051	2989	2988	24	385.31	0.002	0.46	0.46	Free Surface	1.766	0.138	0.041	0.275	0.232	0.715	11.322	Yes	0.287	1.664			
03052	2988	2987	24	385.63	0.002	0.464	0.464	Free Surface	1.584	0.149	0.048	0.298	0.233	0.616	9.664	Yes	0.318	1.443			
03053	2987	2986	24	383.74	0.002	0.467	0.467	Free Surface	1.644	0.146	0.046	0.292	0.234	0.646	10.161	Yes	0.722	0.457			
03054	2986	2001	24	340.32	0.001	0.47	0.47	Free Surface	1.173	0.185	0.075	0.371	0.235	0.407	6.27	Yes	1.235	0.231			
03055	2001	2985	24	45.68	0.062	0.684	0.684	Free Surface	6.115	0.077	0.012	0.154	0.284	3.33	56.458	Yes	0.205	4.037			
03056	2985	3005	24	329.52	0.008	0.685	0.685	Free Surface	2.934	0.128	0.035	0.255	0.284	1.236	19.718	No	0.255	2.934			
03073	2911	2973	6	36.08	0.077	0.001	0.001	Pressurized	1.24	0.023	0.001	0.012	0.018	2.475	1.564	Yes	0.5	0.007			
03074	3008	875	8	277.6	0.005	0.009	0.009	Free Surface	0.805	0.071	0.01	0.048	0.042	0.791	0.87	Yes	0.053	0.684			
03075	3009	3010	8	102.38	0.06	0.006	0.006	Free Surface	1.639	0.032	0.002	0.022	0.034	2.399	2.957	Yes	0.531	0.02			
03091	580	581	8	38.25	0.023	0.003	0.003	Free Surface	0.985	0.031	0.002	0.02	0.025	1.486	1.848	Yes	0.112	0.079			
03092	3019	1701	8	120.75	0.063	0.028	0.028	Free Surface	2.737	0.068	0.009	0.045	0.076	2.753	3.046	Yes	0.134	0.562			
03093	3020	3019	8	271.37	0.046	0.003	0.003	Free Surface	1.253	0.026	0.001	0.018	0.025	2.039	2.597	Yes	0.031	0.524			
03094	3021	3020	8	163.15	0.021	0.002	0.002	Free Surface	0.777	0.023	0.001	0.015	0.018	1.36	1.771	No	0.015	0.777			
03095	3022	2803	8	65.72	0.017	0.003	0.003	Free Surface	0.842	0.031	0.002	0.02	0.023	1.267	1.575	Yes	0.044	0.275			
03096	3023	2803	8	398.66	0.01	0.003	0.003	Free Surface	0.706	0.035	0.002	0.023	0.023	1	1.221	Yes	0.045	0.263			
03097	1723	3024	10	293.07	0.012	0.41	0.41	Free Surface	3.322	0.277	0.168	0.231	0.279	1.44	2.438	No	0.231	3.322			
03098	3024	2905	10	233.36	0.033	0.412	0.412	Free Surface	4.721	0.217	0.103	0.181	0.28	2.335	3.99	Yes	0.183	4.637			
03099	3025	2464	8	186.1	0.028	0.014	0.014	Free Surface	1.675	0.06	0.007	0.04	0.054	1.794	2.019	Yes	0.094	0.476			
03100	3026	2497	8	318.48	0.004	0.006	0.006	Free Surface	0.653	0.064	0.008	0.043	0.035	0.676	0.753	Yes	0.045	0.607			
03101	3027	3026	8	304.63	0.018	0.003	0.003	Free Surface	0.897	0.033	0.002	0.022	0.025	1.308	1.61	Yes	0.032	0.497			
03102	3028	2507	8	201.38	0.007	0.003	0.003	Free Surface	0.644	0.041	0.003	0.027	0.025	0.839	0.999	Yes	0.029	0.585			
03103	3029	2505	8	255.59	0.005	0.009	0.009	Free Surface	0.82	0.073	0.011	0.048	0.043	0.797	0.874	No	0.048	0.82			
03104	3030	3029	8	255.76	0.005	0.006	0.006	Free Surface	0.691	0.062	0.008	0.041	0.035	0.728	0.816	Yes	0.045	0.612			
03105	3031	3030	8	108.93	0.043	0.003	0.003	Free Surface	1.226	0.026	0.001	0.018	0.025	1.985	2.525	Yes	0.03	0.57			
03106	3033	2502	8	290.17	0.006	0.006	0.006	Free Surface	0.752	0.059	0.007	0.039	0.035	0.816	0.922	No	0.039	0.752			
03107	3032	3033	8	288.69	0.005	0.003	0.003	Free Surface	0.582	0.044	0.004	0.029	0.025	0.734	0.865	Yes	0.034	0.46			
03108	3035	2501	8	287.21	0.045	0.006	0.006	Free Surface	1.532	0.036	0.002	0.024	0.035	2.117	2.565	Yes	0.03	1.115			
03109	3034	3035	8	285.28	0.022	0.003	0.003	Free Surface	0.968	0.031	0.002	0.021	0.025	1.447	1.796	Yes	0.022	0.857			
03110	2105	4	8	140.42	0.005	0.044	0.044	Free Surface	1.252	0.156	0.053	0.104	0.094	0.822	0.824	Yes	0.185	0.552			
03111	3036	2035	12	22.2	0.115	2.405	2.405	Free Surface	12.029	0.302	0.198	0.302	0.664	4.543	12.131	Yes	0.321	11.05			
03112	3054	3041	8	216.83	0.011	0.003	0.003	Free Surface	0.764	0.037	0.002	0.024	0.025	1.053	1.275	Yes	0.027	0.661			
03113	3041	3042	8	55.1	0.02	0.006	0.006	Free Surface	1.159	0.044	0.004	0.029	0.035	1.454	1.712	Yes	0.041	0.7			
03114	3043	3042	8	45.1	0.022	0.012	0.012	Free Surface	1.474	0.06	0.007	0.04	0.05	1.585	1.786	Yes	0.046	1.174			
03115	3044	3043	8	115.09	0.049	0.009	0.009	Free Surface	1.786	0.043	0.004	0.029	0.043	2.262	2.67	Yes	0.034	1.378			
03116	3046	3044	8	59.5	0.049	0.006	0.006	Free Surface	1.587	0.036	0.002	0.024	0.035	2.216	2.693	Yes	0.026	1.365			
03117	3045	3046	8	34.58	0.045	0.003	0.003	Free Surface	1.241	0.026	0.001	0.018	0.025	2.015	2.565	Yes	0.021	0.976			
03118	3038	2334	8	68.51	0.027	0.009	0.009	Free Surface	1.448	0.05	0.005	0.033	0.043	1.708	1.975	Yes	0.041	1.07			
03119	3039	3038	8	83.73	0.028	0.006	0.006	Free Surface	1.31	0.04	0.003	0.027	0.035	1.714	2.043	Yes	0.03	1.116			
03120	3040	3039	8	165.94	0.034	0.003	0.003	Free Surface	1.13	0.028	0.001	0.019	0.025	1.777	2.24	Yes	0.023	0.839			
03121	3049	2329	8	133.94	0.019	0.022	0.022	Free Surface	1.654	0.081	0.013	0.054	0.067	1.528	1.652	No	0.054	1.654			
03122	3048	3049	8	259.84	0.019	0.019	0.019	Free Surface	1.582	0.075	0.011	0.05	0.062	1.517	1.657	Yes	0.052	1.496			
03123	3047	3048	8	120.83	0.01	0.003	0.003	Free Surface	0.742	0.037	0.003	0.025	0.025	1.013	1.222	Yes	0.037	0.404			
03124	3053	3048	8	177.85	0.018	0.012	0.012	Free Surface	1.388	0.062	0.008	0.041	0.05	1.462	1.638	Yes	0.046	1.202			
03125	3052	3053	8	60.94	0.192	0.009	0.009	Free Surface	2.88	0.031	0.002	0.021	0.043	4.287	5.313	Yes	0.667	0.027			
03126	3051	3052	8	215.79	0.025	0.006	0.006	Free Surface	1.244	0.042	0.003	0.028	0.035	1.6	1.897	No	0.028	1.244			
03127	3050	3051	8	208.75	0.022	0.003	0.003	Free Surface	0.97	0.031	0.002	0.021	0.025	1.448	1.797	Yes	0.024	0.764			
03128	3058	2941	8	208.64	0.006	0.014	0.014	Free Surface	0.974	0.083	0.014	0.055	0.052	0.885	0.953	Yes	0.059	0.893			
03129	3,057.00	3058	8	203.95	0.006	0.01	0.01	Free Surface	0.89	0.073	0.011	0.049	0.045	0.865	0.949	Yes	0.052	0.804			
03130	3056	3057	8	308.15	0.005	0.007	0.007	Free Surface	0.757	0.062	0.008	0.041	0.037	0.8	0.897	Yes	0.045	0.667			
03131	3055	3056	8	112.16	0.007	0.003	0.003	Free Surface	0.683	0.041	0.003	0.028	0.026	0.883	1.049	Yes	0.034	0.494			
03132	3059	2907	8	267.3	0.007	0.006	0.006	Free Surface	0.763	0.054	0.006	0.036	0.034	0.861	0.983	Yes	0.139	0.106			
03133	3060	3059	8	148.26	0.007	0.002	0.002	Free Surface	0.556	0.032	0.002	0.021	0.019	0.818	1.01	Yes	0.029	0.357			
03134	3061	3059	8	336.05	0.019	0.002	0.002	Free Surface	0.781	0.026	0.001	0.017	0.019	1.29	1.65	Yes	0.027	0.402			
03135	3,075.00	2855	8	136.74	0.04	0.006	0.006	Free Surface	1.447	0.036	0.002	0.024	0.034	1.997	2.419	Yes	0.03	1.077			
03136	3076	3075	8	68.6	0.042	0.003	0.003	Free Surface	1.19	0.026	0.001	0.017	0.024	1.944	2.478	Yes	0.021	0.909			
03137	3,072.00	3073	8	371.71	0.067	0.006	0.006	Free Surface	1.73	0.032	0.002	0.022	0.034	2.537	3.129	Yes	0.032	0.945			
03138	3073	3074	10	29.61	0.006	0.009	0.009	Free Surface	0.824	0.052	0.005	0.043	0.04	0.853	1.713	Yes	0.053	0.606			
03139	3071	3072	8	245.49	0.035	0.003	0.003	Free Surface	1.123	0.027	0.001	0.018	0.024	1.799	2.28	Yes	0.02	0.98			
03140	3070	3068	8	106.41	0.022	0.003	0.003	Free Surface	0.958	0.03	0.002	0.02	0.024	1.454	1.812	Yes	0.023	0.782			
03141	3069	3068	8	190.74	0.015	0.003	0.003	Free Surface	0.834	0.033	0.002	0.022	0.024	1.207	1.484	Yes	0.024	0.735			
03142	3068	3067	8	86.12	0.067	0.009	0.009	Free Surface	1.965	0.039	0.003	0.026	0.042	2.622	3.144	Yes	0.028	1.719			
03143	3067	3064	8	158.68	0.057	0.012	0.012	Free Surface	2.028	0.046	0.004	0.031	0.049	2.481	2.9	Yes	0.052	0.931			
03144	3063	3064	8	128.09	0.01	0.006	0.006	Free Surface	0.882	0.051	0.005	0.034	0.034	1.03	1.187	Yes	0.054	0.446			
03145	3062	3063	8	178.35	0.009	0.003	0.003	Free Surface	0.685	0.038	0.003	0.025	0.024	0.929	1.119	Yes	0.029	0.541			
03146	3065	3064	8	150.67	0.025	0.006	0.006	Free Surface	1.23	0.041	0.003	0.027	0.034	1.606	1.914	Yes	0.05	0.492			
03147	3066	3065	8	148.61	0.008	0.003	0.003	Free Surface	0.656	0.039	0.003	0.026	0.024	0.877	1.052	Yes	0.026	0.635			
03148	3074	2856	10	315.74	0.002	0.012	0.012	Free Surface	0.628	0.075	0.012	0.063	0.046	0.536	1.021	Yes	0.074	0.49			
03149	3077	2855	8	108.29	0.048	0.003	0.003	Free Surface	1.245	0.025	0.001	0.017	0.024	2.065	2.645	Yes	0.026	0.657			
03151	3079	3078	8	131.54	0.027	0.035	0.035	Free Surface	2.191	0.092	0.018	0.061	0.085	1.888	2.007	Yes	0.071	1.789			
03152	3080	3079	8	259.47	0.022	0.032	0.032	Free Surface	1.985	0.093	0.018	0.062	0.081	1.704	1.81	No	0.062	1.985			
03153	3081	3080	8	214.24	0.043	0.003	0.003	Free Surface	1.203	0.026	0.001	0.017	0.024	1.972	2.518	Yes	0.04	0.349			

03154	3064	3080	8	182.97	0.007	0.026	0.026	Free Surface	1.266	0.11	0.026	0.073	0.073	0.997	1.037	No	0.073	1.266			
03155	3082	2814	8	19.7	0.028	0.003	0.003	Free Surface	1.061	0.029	0.002	0.02	0.025	1.632	2.043	Yes	0.029	0.588			
03156	3085	3082	8	252.4	0.008	0.002	0.002	Free Surface	0.543	0.029	0.001	0.019	0.018	0.842	1.057	Yes	0.019	0.537			
03157	3083	2814	8	109.94	0.043	0.003	0.003	Free Surface	1.229	0.027	0.001	0.018	0.025	1.986	2.524	Yes	0.028	0.617			
03158	3084	3083	8	222.06	0.01	0.002	0.002	Free Surface	0.592	0.027	0.001	0.018	0.018	0.944	1.195	No	0.018	0.592			
03160	3087	1714	6	103.45	0.001	0.002	0.002	Free Surface	0.257	0.089	0.016	0.044	0.023	0.26	0.135	Yes	0.276	0.02			
03161	3088	2861	8	274.26	0.027	0.002	0.002	Free Surface	0.896	0.023	0.001	0.016	0.019	1.548	2.009	Yes	0.018	0.69			
03162	3092	3091	8	183.7	0.006	0.003	0.003	Free Surface	0.578	0.04	0.003	0.026	0.023	0.766	0.916	Yes	0.032	0.436			
03163	3091	3090	8	155.35	0.005	0.005	0.005	Free Surface	0.689	0.056	0.006	0.037	0.033	0.765	0.869	Yes	0.046	0.51			
03164	3090	2806	8	201.2	0.007	0.013	0.013	Free Surface	0.995	0.081	0.013	0.054	0.052	0.915	0.989	Yes	0.055	0.971			
03165	3094	3093	8	383.78	0.005	0.003	0.003	Free Surface	0.565	0.04	0.003	0.027	0.023	0.742	0.886	Yes	0.03	0.472			
03166	3093	3090	8	106.11	0.008	0.005	0.005	Free Surface	0.803	0.05	0.005	0.034	0.033	0.94	1.084	Yes	0.044	0.542			
03168	254	253	12	287.03	0.01	0.007	0.007	Free Surface	0.918	0.033	0.002	0.033	0.035	1.079	3.649	Yes	0.089	0.214			
03169	3,096.00	2940	8	219.46	0.008	0.003	0.003	Free Surface	0.688	0.041	0.003	0.028	0.026	0.892	1.06	Yes	0.032	0.54			
03171	3095	2938	8	190.73	0.006	0.003	0.003	Free Surface	0.647	0.043	0.003	0.029	0.026	0.82	0.969	Yes	0.033	0.537			
03173	3097	3025	8	124.28	0.016	0.012	0.012	Free Surface	1.31	0.063	0.008	0.042	0.049	1.374	1.537	No	0.042	1.31			
03174	3098	3097	8	285.42	0.063	0.002	0.002	Free Surface	1.289	0.022	0.001	0.014	0.022	2.317	3.044	Yes	0.028	0.473			
03175	3101	3097	8	180.41	0.007	0.002	0.002	Free Surface	0.599	0.036	0.002	0.024	0.022	0.831	1.009	Yes	0.033	0.374			
03176	3099	3097	8	302.9	0.023	0.005	0.005	Free Surface	1.125	0.038	0.003	0.025	0.031	1.53	1.844	Yes	0.033	0.731			
03177	3100	3099	8	288.98	0.036	0.002	0.002	Free Surface	1.056	0.025	0.001	0.016	0.022	1.775	2.284	Yes	0.021	0.745			
03178	3102	1868	8	33.27	0.007	0.004	0.004	Free Surface	0.682	0.043	0.003	0.028	0.026	0.87	1.029	Yes	0.034	0.514			
08000	2142	9002	8	30	0.049	0.328	0.328	Free Surface	5.198	0.237	0.123	0.158	0.266	2.744	2.673	No	0.158	5.198			
A00153	399	171	8	180.59	0.007	0.03	0.03	Free Surface	1.276	0.12	0.031	0.08	0.079	0.959	0.988	No	0.08	1.276			
A00188	433	320	8	82.97	0.069	0.078	0.078	Free Surface	3.828	0.108	0.024	0.072	0.127	3.045	3.176	Yes	0.172	1.085			
A00234	477	252	12	150.67	0.004	0.033	0.033	Free Surface	1.074	0.083	0.014	0.083	0.074	0.797	2.364	Yes	0.122	0.614			
A02052	2079	9006	8	10	0.006	0.209	0.209	Free Surface	2.178	0.32	0.221	0.213	0.21	0.976	0.946	No	0.213	2.178			
A09999	9999	1747	18	672.74	0.002	1.426	1.426	Free Surface	2.4	0.37	0.292	0.555	0.448	0.66	4.89	No	0.555	2.4			
P484	MH22	1819	18	339.61	0.004	4.774	4.774	Free Surface	3.901	0.654	0.763	0.981	0.84	0.742	6.261	No	0.981	3.901			This is also
P486	2820	MH14	21	366.94	0.004	2.941	2.941	Free Surface	3.528	0.378	0.304	0.662	0.622	0.887	9.672	No	0.662	3.528			
P488	MH14	MH16	21	340.76	0.004	2.941	2.941	Free Surface	3.566	0.375	0.3	0.657	0.622	0.901	9.813	Yes	0.681	3.398			
P490	MH16	MH18	21	173.15	0.003	2.941	2.941	Free Surface	3.245	0.403	0.341	0.705	0.622	0.787	8.622	No	0.705	3.245			
P492	MH18	MH20	21	290.84	0.004	2.941	2.941	Free Surface	3.483	0.382	0.31	0.668	0.622	0.871	9.5	Yes	0.67	3.471			
P494	MH20	MH22	21	156.54	0.004	2.941	2.941	Free Surface	3.46	0.384	0.312	0.672	0.622	0.863	9.417	Yes	0.826	2.633			

IDtext	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (cfs)	Peakable Flow (cfs)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth (ft)	Froude Number	Full Flow (cfs)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity (ft/s)	Parallel Pipe Sizes	Realistic Parallel Pipe Sizes	NumPipes
00001	371	333	8	157.63	0.032	0.109	0.109	Free Surface	3.237	0.153	0.05	0.102	0.15	2.154	2.164	No	0.102	3.237			
00002	333	332	8	255.29	0.071	0.113	0.113	Free Surface	4.341	0.128	0.035	0.085	0.153	3.162	3.234	Yes	0.086	4.286			
00003	14	15	8	196.51	0.008	0.033	0.033	Free Surface	1.405	0.119	0.03	0.079	0.082	1.063	1.096	No	0.079	1.405			
00004	29	30	8	258.85	0.034	0.007	0.007	Free Surface	1.423	0.04	0.003	0.026	0.036	1.881	2.25	Yes	0.667	0.019			
00005	49	50	8	112.93	0.012	0.046	0.046	Free Surface	1.802	0.126	0.034	0.084	0.097	1.322	1.355	Yes	0.088	1.682			
00006	293	38	8	399.77	0.035	0.007	0.007	Free Surface	1.432	0.039	0.003	0.026	0.036	1.898	2.271	Yes	0.486	0.024			
00007	27	26	8	259.87	0.019	2.965	2.965	Pressurized	8.493	1	1.766	0.667	0.597	1.833	1.679	Yes	0.667	8.493	8.39	10	2
00008	9	11	8	224.74	0.024	2.925	2.925	Pressurized	8.38	1	1.546	0.667	0.618	1.809	1.892	Yes	0.667	8.38	7.99	8	2
00009	201	200	8	390.95	0.031	0.013	0.013	Free Surface	1.662	0.055	0.006	0.037	0.05	1.863	2.123	Yes	0.141	0.233			
00010	211	204	8	390.86	0.026	0.013	0.013	Free Surface	1.569	0.057	0.006	0.038	0.05	1.724	1.954	Yes	0.21	0.133			
00011	212	213	8	262.57	0.023	0.013	0.013	Free Surface	1.502	0.059	0.007	0.039	0.05	1.626	1.835	Yes	0.094	0.416			
00012	246	245	8	211.2	0.071	0.013	0.013	Free Surface	2.229	0.045	0.004	0.03	0.05	2.759	3.236	Yes	0.035	1.793			
00013	231	230	8	207.17	0.006	0.013	0.013	Free Surface	0.936	0.081	0.013	0.054	0.05	0.861	0.931	Yes	0.177	0.168			
00014	248	250	8	300.34	0	0.013	0.013	Free Surface	0.3	0.177	0.068	0.118	0.05	0.184	0.183	No	0.118	0.3			
00015	225	226	12	228.22	0.066	0.013	0.013	Free Surface	2.047	0.028	0.001	0.028	0.045	2.645	9.203	Yes	0.045	0.987			
00016	227	226	12	226.03	0.013	0.013	0.013	Free Surface	1.173	0.04	0.003	0.04	0.045	1.256	4.127	Yes	0.052	0.814			
00017	222	223	8	77.86	0.037	0.013	0.013	Free Surface	1.773	0.053	0.005	0.035	0.05	2.031	2.329	Yes	0.061	0.776			
00018	975	974	8	197.58	0.013	0.098	0.098	Free Surface	2.27	0.182	0.072	0.121	0.143	1.378	1.364	No	0.121	2.27			
00019	974	973	8	228.13	0.025	0.101	0.101	Free Surface	2.9	0.157	0.053	0.104	0.145	1.902	1.907	Yes	0.111	2.652			
00020	872	964	8	105.6	0.043	0.033	0.033	Free Surface	2.507	0.08	0.013	0.054	0.082	2.319	2.509	Yes	0.061	2.078			
00021	964	965	8	126.9	0.028	0.044	0.044	Free Surface	2.346	0.102	0.022	0.068	0.095	1.92	2.015	Yes	0.074	2.061			
00022	973	972	8	123.8	0.017	0.105	0.105	Free Surface	2.54	0.175	0.067	0.117	0.147	1.571	1.559	Yes	0.137	2.016			
00023	2845	228	8	265.75	0.055	0.45	0.45	Free Surface	5.938	0.269	0.159	0.18	0.313	2.923	2.835	Yes	0.244	3.901			
00024	255	254	12	334.72	0.009	0.013	0.013	Free Surface	1.021	0.044	0.004	0.044	0.045	1.043	3.381	Yes	1.00	0.016			
00025	332	331	8	225.68	0.071	0.118	0.118	Free Surface	4.394	0.13	0.036	0.087	0.156	3.172	3.238	No	0.087	4.394			
00026	331	330	8	212.99	0.092	0.122	0.122	Free Surface	4.849	0.125	0.033	0.083	0.159	3.578	3.67	Yes	0.093	4.113			
00027	330	329	8	141.51	0.04	0.126	0.126	Free Surface	3.676	0.155	0.052	0.103	0.162	2.427	2.436	Yes	0.122	2.903			
00028	329	328	8	119.97	0.013	0.131	0.131	Free Surface	2.456	0.21	0.096	0.14	0.165	1.382	1.355	Yes	0.157	2.078			
00029	328	327	8	366.29	0.005	0.135	0.135	Free Surface	1.851	0.262	0.15	0.175	0.168	0.925	0.898	No	0.175	1.851			
00030	327	326	8	168.92	0.006	0.139	0.139	Free Surface	1.953	0.258	0.146	0.172	0.171	0.984	0.955	No	0.172	1.953			
00031	326	70	8	146.81	0.037	0.144	0.144	Free Surface	3.693	0.169	0.062	0.112	0.173	2.331	2.322	Yes	0.129	3.043			
00032	68	70	8	231.48	0.003	0.009	0.009	Free Surface	0.668	0.08	0.013	0.053	0.042	0.62	0.671	Yes	0.099	0.269			
00033	69	68	8	279.74	0.007	0.004	0.004	Free Surface	0.721	0.047	0.004	0.032	0.03	0.871	1.014	Yes	0.042	0.467			
00034	215	204	8	443.49	0.034	0.55	0.55	Free Surface	5.272	0.339	0.248	0.226	0.348	2.285	2.219	Yes	0.304	3.551			
00035	221	215	8	350.13	0.056	0.025	0.025	Free Surface	2.534	0.066	0.009	0.044	0.071	2.587	2.873	Yes	0.135	0.492			
00036	247	462	8	359.73	0.008	0.013	0.013	Free Surface	1.034	0.076	0.012	0.051	0.05	0.985	1.074	Yes	0.123	0.284			
00038	67	70	8	205.64	0.071	0.065	0.065	Free Surface	3.679	0.098	0.02	0.066	0.116	3.066	3.233	Yes	0.105	1.848			
00039	66	67	8	131.93	0.011	0.061	0.061	Free Surface	1.873	0.149	0.048	0.099	0.112	1.261	1.27	No	0.099	1.873			
00040	265	66	8	385.21	0.007	0.004	0.004	Free Surface	0.719	0.048	0.004	0.032	0.03	0.867	1.009	Yes	0.066	0.246			
00041	325	66	8	115.49	0.045	0.004	0.004	Free Surface	1.375	0.031	0.002	0.021	0.03	2.067	2.568	Yes	0.06	0.28			
00042	70	324	8	216.8	0.031	0.222	0.222	Free Surface	3.97	0.217	0.104	0.145	0.217	2.194	2.146	No	0.145	3.97			
00043	324	323	8	205.26	0.051	0.226	0.226	Free Surface	4.747	0.194	0.083	0.13	0.219	2.782	2.74	Yes	0.135	4.498			
00044	323	322	8	131.92	0.039	0.231	0.231	Free Surface	4.354	0.209	0.096	0.14	0.221	2.454	2.405	Yes	0.166	3.396			
00045	322	321	8	243.27	0.011	0.235	0.235	Free Surface	2.808	0.289	0.183	0.193	0.223	1.329	1.288	No	0.193	2.808			
00046	321	95	8	141.12	0.023	0.24	0.24	Free Surface	3.637	0.244	0.13	0.163	0.226	1.89	1.838	No	0.163	3.637			
00047	95	96	8	104.26	0.035	0.244	0.244	Free Surface	4.24	0.222	0.108	0.148	0.228	2.318	2.265	Yes	0.155	3.974			
00048	257	9004	8	277.84	0.032	0.005	0.005	Free Surface	1.293	0.037	0.002	0.024	0.033	1.778	2.151	No	0.024	1.293			
00050	96	97	8	278.81	0.028	0.248	0.248	Free Surface	3.941	0.236	0.122	0.157	0.23	2.083	2.029	No	0.157	3.941			
00051	202	199	8	346.82	0.019	0.913	0.913	Free Surface	4.927	0.524	0.541	0.349	0.453	1.646	1.686	No	0.349	4.927			
00052	37	24	8	66.41	0.008	0.072	0.072	Pressurized	1.773	0.174	0.066	0.116	0.122	1.1	1.093	Yes	0.667	0.207			
00053	87	86	8	480.88	0.005	0.429	0.429	Free Surface	2.502	0.493	0.488	0.329	0.305	0.87	0.879	No	0.33	2.502			
00054	230	219	8	365.47	0.01	0.488	0.488	Free Surface	3.234	0.447	0.411	0.298	0.327	1.195	1.187	No	0.298	3.234			
00055	219	218	8	426.29	0.05	0.5	0.5	Free Surface	5.935	0.291	0.184	0.194	0.331	2.803	2.716	Yes	0.201	5.626			
00056	310	309	8	77.12	0.013	0.017	0.017	Free Surface	1.341	0.079	0.013	0.053	0.059	1.253	1.359	Yes	0.16	0.265			
00057	279	270	8	167.45	0.013	0.467	0.467	Free Surface	3.528	0.405	0.344	0.27	0.319	1.382	1.358	Yes	0.332	2.687			
00058	18	9004	8	248.43	0.035	0.149	0.149	Free Surface	3.655	0.174	0.066	0.116	0.176	2.27	2.254	No	0.116	3.655			
00059	19	18	8	188.89	0.009	0.128	0.128	Free Surface	2.143	0.227	0.113	0.151	0.163	1.157	1.129	No	0.151	2.143			
00060	47	206	8	133.01	0.052	0.005	0.005	Free Surface	1.54	0.033	0.002	0.022	0.033	2.248	2.769	Yes	0.02	1.376			
00061	207	210	8	120.88	0.103	0.016	0.016	Free Surface	2.726	0.046	0.004	0.031	0.057	3.327	3.886	Yes	0.046	1.528			
00062	206	207.00	8	121.85	0.094	0.011	0.011	Free Surface	2.338	0.039	0.003	0.026	0.046	3.109	3.723	Yes	0.027	2.215			
00063	235	229	8	235.94	0.003	0.165	0.165	Free Surface	1.602	0.337	0.244	0.224	0.186	0.698	0.677	No	0.224	1.602			
00066	43	42	8	78.67	0.055	0.053	0.053	Free Surface	3.168	0.095	0.019	0.063	0.104	2.694	2.854	Yes	0.072	2.609			
00067	42	20	8	129.67	0.029	0.058	0.058	Free Surface	2.59	0.116	0.028	0.077	0.109	1.985	2.053	Yes	0.089	2.114			
00068	45	44	8	301.83	0.11	0.053	0.053	Free Surface	4.023	0.081	0.013	0.054	0.104	3.715	4.018	Yes	0.057	3.721			
00069	44	20	8	109.23	0.079	0.058	0.058	Free Surface	3.691	0.091	0.017	0.061	0.109	3.201	3.408	Yes	0.081	2.439			
00070	616	844	8	121.06	0.029	0.011	0.011	Free Surface	1.568	0.052	0.005	0.035	0.047	1.802	2.068	Yes	0.085	0.426			
00071	1720	1115	15	493.74	0.018	3.761	3.761	Free Surface	6.773	0.463	0.437	0.578	0.784	1.788	8.6	No	0.578	6.773			
00072	20	19	8	143.61	0.045	0.122	0.122	Free Surface	3.783	0.148	0.048	0.099	0.16	2.554	2.573	Yes	0.123	2.755			
00073	448	229	8	48.02	0.012	0.005	0.005	Pressurized	0.923	0.045	0.004	0.03	0.032	1.143	1.34	Yes	0.667	0.015			
00074	405	406	12	212.95	0.01	0.618	0.618	Free Surface	3.453	0.279	0.17	0.279	0.327	1.362	3.639	No	0.279	3.453			
00075	80	79	8	95.06	0.054	0.01	0.01	Free Surface	1.91	0.044	0.004	0.029	0.046	2.39	2.812	Yes	0.032	1.676			
00076	79	78	8	130.13	0.059	0.016	0.016	Free Surface	2.23	0.052	0.005	0.035	0.056	2.562	2.941	Yes	0.038	1.991			
00077	78	82	8	122.6	0.056	0.021	0.021	Free Surface	2.39	0.061	0.007	0.04	0.065	2.55	2.866	Yes	0.045	2.016			
00078	82	405	8	236.75	0.035	0.026	0.026	Free Surface	2.164	0.075	0.012	0.05	0.073	2.067	2.255	Yes	0.165	0.387			
00079	81	80	8	104.95	0.006	0.005	0.005	Free Surface	0.721	0.053	0.006	0.036	0.032	0.82	0.939	No	0.036	0.721			
00080	298	92	8	172.66	0.034	0.005	0.005	Free Surface	1.322	0.036	0.002	0.024	0.032	1.847	2.245	Yes	0.186	0.065			
00081	94	320	8	134.31	0.009	0.004	0.004	Free Surface	0.801	0.044	0.004	0.029	0.03	1.001	1.178	Yes	0.163	0.066			
00082	408	409	8	210.83	0.014	0.793	0.793	Free Surface	4.208	0.531	0.553	0.354	0.421	1.394	1.433	Yes	0.397	3.652			
00083	267	264	8	299.68	0.067	0.005	0.005	Free Surface	1.677	0.031	0.002	0.021	0.033	2.52	3.131	Yes	0.027	1.098			
00084	72	73	8	131.4	0.075	0.047	0.047	Free Surface	3.379	0.083	0.014	0.055	0.098	3.072	3.309	Yes	0.064	2.718			
00086	179	163	8	124.48	0.009	0.01	0.01	Free Surface	1.038	0.067	0.009	0.044	0.046	1.055	1.17	No	0.044	1.038			
00087	395	179	8	220.51	0.012	0.005	0.005	Free Surface	0.905	0.046	0.004	0.031	0.032	1.112	1.301	Yes	0.039	0.63			
00088	163	162	8	172.79	0.034	0.016	0.016	Free Surface	1.84	0.06	0.007	0.04	0.056	1.98	2.231	Yes	0.051	1.266			
00090	161	160	8	62.69	0.029	0.01	0.01	Free Surface	1.545	0.051	0.005	0.034	0.046	1.799	2.072	Yes	0.036	1.399			
00091	178	161	8	348.89	0.027	0.005	0.005	Free Surface	1.213	0.038	0.003	0.025	0.032	1.646	1.984	Yes	0.031	0.906			
00092	160	159	8	124.57	0.06	0.016	0.016	Free Surface	2.249	0.052	0.005	0.035	0.056	2.591	2.977	Yes	0.042	1.687			
00093	159	172	8	311.19	0.024	0.021	0.021	Free Surface	1.769	0.074	0.011	0.05	0.065	1.702	1.861	Yes	0.066	1.153			
00094	396	162.00	8	66.73	0.014	0.01	0.01	Free Surface	1.198	0.061	0.007	0.04	0.046	1.279	1.438	Yes	0.05	0.836			
00095	397	396	8	279.08	0.006	0.005	0.005	Free Surface	0.723	0.053	0.006	0.036	0.032	0.824	0.943	Yes	0.04	0.656			
00096	441	177	8	304.83	0.009	0.016	0.016	Free Surface	1.157	0.082	0.014	0.054	0.056	1.062	1.147	Yes	0.06	1.056			
00097	176	441	8	161.09	0.013	0.005	0.005	Free Surface	0.942	0.045	0.004	0.03	0.032	1.173	1.378	Yes	0.044	0.535			
00098	89	266	8	176.39	0.013	0.078	0.078	Free Surface	2.113	0.162	0.057	0.108	0.127	1.36	1.359	No	0.11	2.113			
00099	177	89	8	265.03	0.01	0.021	0.021	Free Surface	1.293	0.092	0.018	0.061	0.065	1.115	1.186	Yes	0.085	0.804			
00100	88	441	8	84.62	0.009	0.005	0.005	Free Surface	0.846	0.048	0.004	0.032	0.032	1.015	1.18	Yes	0.045	0.515			
00101	65	2967	8	306	0.005	0.047	0.047	Free Surface	1.288	0.161	0.056	0.107	0.098	0.834	0.834	Yes	0.12	1.094			
00102	175	182	8	81.13	0.024	0.016	0.016	Free Surface	1.621	0.065	0.008	0.043	0.056	1.67	1.859	Yes	0.066	0.871			
00103	425	422	8	321.18	0.032	0.013	0.013	Free Surface	1.706	0.056	0.006	0.037	0.051	1.899	2.16	Yes	0.064	0.764			
00104	185	389	8	155.04	0.069	0.151	0.151	Free Surface	4.665	0.148	0.047	0.099	0.178	3.15	3.174	Yes	0.111	3.927			
00105	379	191	8	351	0.032	0.057	0.057	Free Surface	2.686	0.111	0.026	0.074	0.108	2.102	2.184	Yes	0.081	2.362			
00106	297	191	8	328.7	0.041	0.005	0.005	Free Surface	1.409	0.034	0.002	0.023	0.032	2.011	2.461	Yes	0.055	0.377			
00107	191	190	8	338.93	0.022	0.067	0.067	Free Surface	2.482	0.132	0.037	0.088	0.118	1.782	1.817	Yes	0.097	2.151			
00108	190	185	8	133.36	0.048	0.145	0.145	Free Surface	4.069	0.159	0.055	0.106	0.174	2.649	2.652	No	0.11	4.069			
00109	388	190	8	131.74	0.05	0.073	0.073	Free Surface	3.349	0.113	0.027	0.075	0.122	2.602	2.7	Yes	0.091	2.554			
00110	387	388	8	390.28	0.034	0.067	0.067	Free Surface	2.878	0.119	0.03	0.079	0.118	2.177	2.244	No	0.079	2.878			
00111	192	296	8	335.22	0.006	0.005	0.005	Free Surface	0.733	0.053	0.005	0.035	0.032	0.839	0.961	Yes	0.041	0.59			
00112	62	384	8	299.84	0.007	0.01	0.01	Free Surface	0.947	0.071	0.01	0.047	0.046	0.933	1.026	Yes	0.054	0.789			
00113	386	387	8	240.85	0.004	0.057	0.057	Free Surface	1.3	0.184	0.074	0.122	0.108	0.785	0.777	No	0.12	1.3			
00114	106	386	8	281.77	0.006	0.052	0.052	Free Surface	1.429	0.161	0.056	0.107	0.103	0.924	0.924	Yes	0.115	1.295			
00115	296	385	8	374.69	0.008	0.01	0.01	Free Surface	0.977	0.069	0.01	0.046	0.046	0.973	1.073	Yes	0.05	0.864			
00116	384	109	8	250.06	0.006	0.016	0.016	Free Surface	1.006	0.09	0.017	0.06	0.056	0.88	0.938	Yes	0.061	0.973			
00117	61	387	8	249.57	0.037	0.005	0.005	Free Surface	1.357	0.035	0.002	0.023	0.032	1.913	2.331	Yes	0.051	0.42			
00118	108	107	8	299.73	0.024	0.026	0.026	Free Surface	1.895	0.083	0.014	0.055	0.073	1.728	1.863	Yes	0.064	1.513			
00119	109	108	8	242.69	0.009	0.021	0.021	Free Surface	1.256	0.094	0.018	0.063	0.065	1.073	1.138	No	0.063	1.256			
00120	385	107	8	389.95	0.009	0.016	0.016	Free Surface	1.156	0.082	0.014	0.054	0.056	1.06	1.145	Yes	0.064	0.914			
00121	107	106	8	298.81	0.023	0.047	0.047	Free Surface	2.242	0.11	0.025	0.073	0.098	1.767	1.838	Yes	0.09	1.652			
00122	440	382	8	302.03	0.007	0.036	0.036	Free Surface	1.342	0.131	0.037	0.088	0.086	0.964	0.983	Yes	0.092	1.254			
00123	381	440	8	302.01	0.023	0.031	0.031	Free Surface	1.971	0.091	0.017	0.061	0.08	1.711	1.822	Yes	0.07	1.468			
00124	382	65	8	256.87	0.006	0.042	0.042	Free Surface	1.345	0.144	0.045	0.096	0.092	0.922	0.932	Yes	0.102	1.238			

00125	64	381	8	343.73	0.008	0.01	0.01	Free Surface	0.998	0.069	0.009	0.046	0.046	1	1.105	Yes	0.053	0.798			
00126	380	64.00	8	349.67	0.007	0.005	0.005	Free Surface	0.757	0.052	0.005	0.034	0.032	0.875	1.006	Yes	0.04	0.605			
00127	184	383	8	377.61	0.008	0.005	0.005	Free Surface	0.797	0.05	0.005	0.033	0.032	0.938	1.084	Yes	0.04	0.598			
00128	383	183	8	393.28	0.007	0.01	0.01	Free Surface	0.942	0.071	0.01	0.047	0.046	0.926	1.018	No	0.047	0.942			
00129	183	381	8	295.96	0.022	0.016	0.016	Free Surface	1.583	0.066	0.009	0.044	0.056	1.617	1.797	Yes	0.052	1.225			
00130	403	93	8	119.35	0.004	0.27	0.27	Free Surface	1.993	0.412	0.355	0.274	0.24	0.773	0.76	Yes	0.33	1.583			
00131	92	403	8	128.17	0.002	0.265	0.265	Free Surface	1.432	0.523	0.54	0.349	0.238	0.479	0.49	No	0.349	1.432			
00132	76	77	8	87.89	0.015	0.244	0.244	Free Surface	3.132	0.275	0.165	0.183	0.228	1.526	1.479	Yes	0.206	2.654			
00133	77	299	8	162.45	0.007	0.249	0.249	Free Surface	2.342	0.344	0.255	0.229	0.23	1.007	0.979	No	0.229	2.342			
00134	299	92	8	132.74	0.013	0.254	0.254	Free Surface	2.99	0.293	0.187	0.195	0.233	1.407	1.363	Yes	0.272	1.9			
00135	74	75	8	213.12	0.027	0.057	0.057	Free Surface	2.532	0.116	0.028	0.077	0.108	1.941	2.007	Yes	0.08	2.266			
00136	75	76	8	117.96	0.018	0.062	0.062	Free Surface	2.23	0.134	0.039	0.089	0.113	1.585	1.613	Yes	0.136	1.214			
00137	393	76	8	341.19	0.027	0.177	0.177	Free Surface	3.511	0.202	0.089	0.134	0.193	2.018	1.983	Yes	0.159	2.77			
00138	73	74	8	180.12	0.029	0.052	0.052	Free Surface	2.499	0.11	0.025	0.073	0.103	1.972	2.053	Yes	0.075	2.397			
00139	391	393	8	329.5	0.025	0.171	0.171	Free Surface	3.382	0.203	0.09	0.135	0.19	1.939	1.904	No	0.135	3.382			
00140	389	391	8	326	0.031	0.161	0.161	Free Surface	3.602	0.186	0.075	0.124	0.184	2.162	2.137	Yes	0.129	3.378			
00141	392	391	8	271.74	0.005	0.005	0.005	Free Surface	0.67	0.056	0.006	0.037	0.032	0.743	0.844	Yes	0.086	0.196			
00142	390	389.00	8	356.53	0.006	0.005	0.005	Free Surface	0.734	0.053	0.005	0.035	0.032	0.84	0.962	Yes	0.08	0.221			
00143	170	169	10	222.49	0.029	0.088	0.088	Free Surface	2.841	0.106	0.024	0.089	0.127	2.036	3.715	Yes	0.102	2.309			
00144	158	157	10	300.41	0.033	0.275	0.275	Free Surface	4.193	0.178	0.069	0.148	0.227	2.303	3.99	No	0.148	4.193			
00145	171	170	8	178.97	0.036	0.078	0.078	Free Surface	3.05	0.126	0.034	0.084	0.127	2.238	2.293	Yes	0.086	2.935			
00146	155	154.00	8	215.82	0.006	0.161	0.161	Free Surface	2.012	0.28	0.171	0.187	0.184	0.97	0.94	Yes	0.196	1.875			
00147	167	164	8	288.62	0.022	0.005	0.005	Free Surface	1.125	0.04	0.003	0.026	0.032	1.489	1.78	Yes	0.088	0.191			
00148	154	401	8	240.59	0.004	0.166	0.166	Free Surface	1.809	0.309	0.208	0.206	0.187	0.826	0.8	Yes	0.207	1.798			
00149	400	170	8	349.75	0.006	0.005	0.005	Free Surface	0.721	0.053	0.006	0.036	0.032	0.82	0.939	Yes	0.062	0.317			
00150	186	187.00	8	102.26	0.02	0.01	0.01	Free Surface	1.362	0.056	0.006	0.037	0.046	1.518	1.728	Yes	0.04	1.219			
00151	2604	186	8	119.88	0.028	0.005	0.005	Free Surface	1.233	0.037	0.003	0.025	0.032	1.683	2.031	Yes	0.03	0.889			
00152	398	172	8	186.02	0.022	0.005	0.005	Free Surface	1.134	0.039	0.003	0.026	0.032	1.505	1.801	Yes	0.055	0.383			
00153	172	399	8	327	0.006	0.031	0.031	Free Surface	1.244	0.125	0.033	0.083	0.08	0.919	0.943	Yes	0.085	1.197			
00154	173	166	8	241.64	0.027	0.005	0.005	Free Surface	1.211	0.038	0.003	0.025	0.032	1.642	1.979	Yes	0.04	0.614			
00155	166	394	8	225.9	0.029	0.031	0.031	Free Surface	2.145	0.086	0.015	0.057	0.08	1.917	2.057	Yes	0.087	1.158			
00156	187	165	8	332.44	0.025	0.016	0.016	Free Surface	1.65	0.064	0.008	0.043	0.056	1.71	1.907	Yes	0.048	1.394			
00157	165	166	8	109.04	0.018	0.021	0.021	Free Surface	1.597	0.08	0.013	0.053	0.065	1.483	1.606	Yes	0.054	1.572			
00158	174	171	8	153.77	0.033	0.036	0.036	Free Surface	2.35	0.09	0.017	0.06	0.086	2.055	2.192	Yes	0.073	1.753			
00159	162	174	8	189.56	0.02	0.031	0.031	Free Surface	1.882	0.094	0.018	0.063	0.08	1.607	1.705	No	0.063	1.882			
00160	71	72	8	233.83	0.039	0.042	0.042	Free Surface	2.605	0.092	0.017	0.061	0.092	2.254	2.398	No	0.061	2.605			
00161	374	71	8	101.19	0.05	0.036	0.036	Free Surface	2.724	0.081	0.013	0.054	0.086	2.507	2.709	Yes	0.058	2.485			
00162	373	374	8	217.15	0.067	0.031	0.031	Free Surface	2.877	0.07	0.01	0.047	0.08	2.845	3.133	Yes	0.05	2.582			
00163	1830	373	8	342.17	0.042	0.016	0.016	Free Surface	1.987	0.057	0.006	0.038	0.056	2.195	2.492	Yes	0.042	1.676			
00164	375	373	8	164.04	0.011	0.01	0.01	Free Surface	1.086	0.065	0.008	0.043	0.046	1.12	1.248	Yes	0.045	1.019			
00165	372	375	8	224.15	0.04	0.005	0.005	Free Surface	1.4	0.034	0.002	0.023	0.032	1.993	2.437	Yes	0.033	0.809			
00166	311	91	8	302.51	0.003	0.749	0.749	Pressurized	2.146	1	1.223	0.667	0.368	0.463	0.612	No	0.667	2.146	7.08	8	2
00167	114	89	8	168.17	0.018	0.052	0.052	Free Surface	2.143	0.122	0.032	0.081	0.103	1.602	1.648	Yes	0.095	1.711			
00168	90	114	8	272.04	0.006	0.047	0.047	Free Surface	1.406	0.151	0.049	0.101	0.098	0.94	0.945	No	0.101	1.406			
00169	169	168	10	197.92	0.011	0.093	0.093	Free Surface	2.093	0.136	0.04	0.114	0.131	1.32	2.343	No	0.11	2.093			
00170	401	158.00	10	255.53	0.008	0.27	0.27	Free Surface	2.538	0.25	0.137	0.208	0.225	1.164	1.977	No	0.21	2.538			
00171	157	156	10	275.85	0.04	0.28	0.28	Free Surface	4.499	0.172	0.064	0.143	0.229	2.518	4.375	Yes	0.184	3.135			
00172	402	93	10	147.36	0.041	0.291	0.291	Free Surface	4.617	0.173	0.065	0.144	0.234	2.574	4.47	Yes	0.262	1.978			
00173	181	90	8	94.1	0.017	0.042	0.042	Free Surface	1.951	0.111	0.026	0.074	0.092	1.526	1.586	Yes	0.089	1.51			
00174	182	181	8	184.27	0.005	0.031	0.031	Free Surface	1.131	0.133	0.038	0.089	0.08	0.808	0.823	No	0.089	1.131			
00175	168	401	10	343.61	0.025	0.099	0.099	Free Surface	2.796	0.116	0.029	0.097	0.134	1.916	3.461	Yes	0.152	1.445			
00176	156	402	10	129.49	0.007	0.286	0.286	Free Surface	2.403	0.27	0.16	0.225	0.232	1.057	1.79	No	0.225	2.403			
00177	93	404	12	112.82	0.003	0.566	0.566	Free Surface	2.064	0.38	0.307	0.38	0.313	0.684	1.842	No	0.38	2.064			
00178	404	85	12	382.73	0.009	0.571	0.571	Free Surface	3.227	0.277	0.167	0.277	0.314	1.279	3.416	No	0.277	3.227			
00179	84	83	12	334.57	0.044	0.582	0.582	Free Surface	5.666	0.188	0.078	0.188	0.317	2.756	7.498	No	0.188	5.666			
00180	85	84	12	299.71	0.039	0.576	0.576	Free Surface	5.421	0.193	0.082	0.193	0.315	2.603	7.07	No	0.193	5.421			
00181	83	405	12	92.61	0.057	0.587	0.587	Free Surface	6.229	0.177	0.069	0.177	0.318	3.127	8.546	Yes	0.228	4.35			
00182	407	98	12	390.86	0.007	0.629	0.629	Free Surface	2.974	0.315	0.215	0.315	0.33	1.098	2.934	Yes	0.374	2.344			
00183	406	407	12	408.07	0.031	0.624	0.624	Free Surface	5.096	0.213	0.099	0.213	0.329	2.323	6.27	Yes	0.264	3.766			
00184	97	98	8	192.78	0.03	0.253	0.253	Free Surface	4.038	0.235	0.121	0.157	0.232	2.139	2.084	Yes	0.296	1.691			
00185	417	418	8	216.17	0.041	0.004	0.004	Free Surface	1.334	0.031	0.002	0.021	0.03	1.984	2.458	Yes	0.028	0.849			
00186	418	415	8	213.43	0.017	0.009	0.009	Free Surface	1.202	0.054	0.006	0.036	0.042	1.364	1.56	Yes	0.048	0.773			
00187	316	409	12	300.16	0.013	1.078	1.078	Free Surface	4.39	0.351	0.264	0.351	0.437	1.525	4.086	Yes	0.395	3.73			
00188	422	433	8	284.24	0.029	0.083	0.083	Free Surface	2.901	0.136	0.04	0.091	0.131	2.047	2.08	Yes	0.667	0.237			
00189	91	408	8	234.71	0.004	0.788	0.788	Free Surface	2.644	0.797	0.973	0.531	0.42	0.625	0.81	No	0.531	2.644	6.84	8	2
00190	1833	371	8	215.67	0.041	0.035	0.035	Free Surface	2.504	0.083	0.014	0.056	0.084	2.271	2.445	Yes	0.079	1.506			
00191	1847	371	8	158.62	0.013	0.07	0.07	Free Surface	2.053	0.153	0.051	0.102	0.12	1.361	1.367	No	0.102	2.053			
00192	445	210	8	113.29	0.005	0.005	0.005	Free Surface	0.689	0.056	0.006	0.037	0.033	0.765	0.87	Yes	0.049	0.461			
00193	455	312	12	78.86	0.006	1.879	1.879	Free Surface	3.899	0.59	0.654	0.59	0.584	0.982	2.873	No	0.59	3.899			
00194	266	189	8	198.35	0.029	0.083	0.083	Free Surface	2.891	0.137	0.04	0.091	0.131	2.035	2.066	Yes	0.115	2.067			
00195	189	294	8	159.1	0.007	0.093	0.093	Free Surface	1.776	0.208	0.095	0.139	0.139	1.004	0.984	No	0.139	1.776			
00196	409	455	12	14.82	0.017	1.875	1.875	Free Surface	5.592	0.442	0.404	0.442	0.583	1.697	4.639	Yes	0.516	4.587			
00197	204	200	8	308.08	0.006	0.575	0.575	Free Surface	2.747	0.579	0.635	0.386	0.356	0.858	0.905	No	0.386	2.747			
00198	220	221	8	215.93	0.061	0.013	0.013	Free Surface	2.113	0.047	0.004	0.031	0.05	2.57	2.998	Yes	0.036	1.676			
00199	218	215	8	352.12	0.04	0.513	0.513	Free Surface	5.489	0.313	0.213	0.209	0.335	2.489	2.412	Yes	0.218	5.178			
00200	251	252	8	430.53	0.018	0.263	0.263	Free Surface	3.42	0.272	0.162	0.181	0.237	1.675	1.624	Yes	0.242	2.29			
00201	252	253	8	58.29	0.006	0.388	0.388	Free Surface	2.502	0.456	0.426	0.304	0.29	0.913	0.91	No	0.304	2.502			
00202	250	249	12	217.97	0.032	0.025	0.025	Free Surface	1.96	0.045	0.004	0.045	0.064	1.975	6.374	Yes	0.096	0.649			
00203	243	249	8	58.21	0.001	0.05	0.05	Free Surface	0.849	0.225	0.111	0.15	0.101	0.46	0.449	No	0.15	0.849			
00204	463	462	8	370.82	0.052	0.213	0.213	Free Surface	4.68	0.188	0.077	0.125	0.212	2.792	2.757	Yes	0.16	3.305			
00205	549	463	8	262.9	0.045	0.075	0.075	Free Surface	3.262	0.117	0.029	0.078	0.124	2.483	2.564	Yes	0.1	2.281			
00206	465	468	8	195.07	0.014	0.113	0.113	Free Surface	2.448	0.189	0.078	0.126	0.153	1.455	1.435	Yes	0.138	2.158			
00207	466	465.00	8	147.57	0.054	0.088	0.088	Free Surface	3.644	0.121	0.031	0.081	0.134	2.732	2.812	Yes	0.103	2.537			
00208	249	242	8	226.56	0.005	0.088	0.088	Free Surface	1.537	0.22	0.106	0.147	0.134	0.844	0.825	No	0.147	1.537			
00209	242	241	8	171.77	0.024	0.1	0.1	Free Surface	2.835	0.158	0.054	0.105	0.144	1.854	1.858	No	0.105	2.835			
00210	241	233	8	225.36	0.077	0.113	0.113	Free Surface	4.462	0.125	0.033	0.083	0.153	3.288	3.372	Yes	0.09	3.972			
00211	233	232	8	399.38	0.058	0.125	0.125	Free Surface	4.149	0.141	0.043	0.094	0.161	2.87	2.906	Yes	0.111	3.256			
00212	232	213	8	255.71	0.043	0.213	0.213	Free Surface	4.372	0.197	0.085	0.131	0.212	2.544	2.504	Yes	0.14	3.987			
00213	213	214	8	267.92	0.033	0.238	0.238	Free Surface	4.135	0.221	0.108	0.148	0.225	2.262	2.21	Yes	0.153	3.947			
00214	214	216	8	203.65	0.031	0.25	0.25	Free Surface	4.112	0.23	0.116	0.154	0.231	2.202	2.148	Yes	0.164	3.738			
00215	217	203	8	206.22	0.025	0.013	0.013	Free Surface	1.553	0.058	0.006	0.038	0.05	1.701	1.926	Yes	0.112	0.325			
00216	216	203	8	254.04	0.02	0.263	0.263	Free Surface	3.535	0.266	0.154	0.177	0.237	1.754	1.701	Yes	0.181	3.431			
00217	203	457	8	258.99	0.02	0.288	0.288	Free Surface	3.636	0.278	0.169	0.185	0.248	1.761	1.707	Yes	0.253	2.372			
00218	200	202	8	412.43	0.03	0.6	0.6	Free Surface	5.171	0.367	0.287	0.245	0.364	2.144	2.09	Yes	0.298	3.973			
00219	457	202	8	132.06	0.003	0.3	0.3	Free Surface	1.811	0.48	0.467	0.32	0.254	0.64	0.643	Yes	0.336	1.703			
00220	245	244	8	190.43	0.055	0.025	0.025	Free Surface	2.513	0.066	0.009	0.044	0.071	2.559	2.84	Yes	0.056	1.78			
00221	244	243	8	405.46	0.028	0.038	0.038	Free Surface	2.242	0.095	0.019	0.063	0.087	1.907	2.021	Yes	0.107	1.041			
00222	226	224	8	262.02	0.024	0.038	0.038	Free Surface	2.115	0.098	0.02	0.066	0.087	1.763	1.859	No	0.066	2.115			
00223	224	223	8	274.54	0.04	0.05	0.05	Free Surface	2.787	0.099	0.021	0.066	0.101	2.315	2.438	Yes	0.077	2.231			
00224	223	232	8	418.92	0.024	0.075	0.075	Free Surface	2.633	0.136	0.04	0.091	0.124	1.859	1.889	Yes	0.11	2			
00226	464	465	8	158.44	0.018	0.013	0.013	Free Surface	1.372	0.063	0.008	0.042	0.05	1.439	1.611	Yes	0.084	0.491			
00227	550	466	8	229.13	0.027	0.063	0.063	Free Surface	2.602	0.121	0.031	0.081	0.113	1.951	2.008	Yes	0.082	2.524			
00228	472	473	12	210.67	0.05	0.013	0.013	Free Surface	1.855	0.03	0.002	0.03	0.045	2.319	7.988	Yes	0.05	0.858			
00229	474	469	12	190.23	0.033	0.013	0.013	Free Surface	1.608	0.033	0.002	0.033	0.045	1.915	6.501	Yes	0.06	0.724			
00230	475	476	12	176.07	0.023	0.013	0.013	Free Surface	1.427	0.035	0.002	0.035	0.045	1.632	5.472	Yes	0.071	0.502			
00231	473	469	12	281.37	0.026	0.05	0.05	Free Surface	2.258	0.066	0.009	0.066	0.091	1.883	5.766	Yes	0.073	1.965			
00232	471	473	12	241.4	0.067	0.025	0.025	Free Surface	2.545	0.038	0.003	0.038	0.064	2.8	9.281	Yes	0.054	1.518			
00233	469	476	12	272.53	0.027	0.075	0.075	Free Surface	2.582	0.079	0.013	0.079	0.111	1.962	5.859	Yes	0.093	2.029			
00234	476	477	12	125.2	0.014	0.1	0.1	Free Surface	2.25	0.106	0.024	0.106	0.129	1.475	4.247	Yes	0.127	1.721			
00235	470	471	12	286.15	0.01	0.013	0.013	Free Surface	1.075	0.043	0.003	0.043	0.045	1.117	3.639	No	0.043	1.075			
00236	479	507	8	356.85	0.025	0.025	0.025	Free Surface	1.901	0.079	0.013	0.053	0.07	1.77	1.919	Yes	0.133	0.497			
00237	369	363.00	8	262.52	0.025	0.603	0.603	Free Surface	4.845	0.386	0.316	0.257	0.365	1.95	1.908	No	0.257	4.845			
00238	353	352.00	8	60.99	0.002	2.318	2.318	Pressurized	6.64	1	4.573	0.667	0.333	1.433	0.507	Yes	0.67	6.64	11.67	12	2
00239	362	563.00	8	122.43	0.034	1.819	1.819	Free Surface	7.112	0.687	0.817	0.458	0.612	1.948	2.226	Yes	0.473	6.866	6.26	8	2
00240	553	552	8	141.59	0.061	0.021	0.021	Free Surface	2.468	0.059	0.007	0.04	0.065	2.661	3	Yes	0.061	1.293			
00241	705	552	8	251.41	0.024	0.083	0.083	Free Surface	2.688	0.144	0.045	0.096	0.131	1.843	1.863	No	0.096	2.688			
00242	1137	1138	8	243.63	0.024	0.229	0.229	Free Surface	3.63	0.236	0.122	0.157	0.22	1.919	1.869	Yes	0.667	0.655			
00243	1139	557	8	253.75	0.032	0.187	0.187	Free Surface	3.796	0.199	0.086	0.133	0.199	2.199	2.163	No	0.133	3.796			
00244	1140	1139	8	160.37	0.066	0.166	0.166	Free Surface	4.738	0.157	0.053	0.105	0.187	3.105	3.112	Yes	0.117	4.01			
00245	348	352	8	66.35	0.008	0.021	0.021	Pressurized	1.202	0.097	0.019	0.064	0.065	1.012	1.069	Yes	0.667	0.06			
00246	1057	1059	8	173.03	0.043	0.022	0.022	Free Surface	2.229	0.066	0.009	0.044	0.067	2.273	2.524	Yes	0.067	1.217			
00247	1059	1060	8	296.24	0.005	0.033	0.033	Free Surface	1.145	0.137	0.041	0.092	0.082	0.804	0.816	No	0.092	1.145			
00248	1060	1141	8	120.02	0.035	0.044	0.044	Free Surface	2.542	0.097	0.02	0.065	0.095	2.134	2.254	Yes	0.067	2.436			
00249	1141	1673	8	116.4	0.032	0.055	0.055	Free Surface	2.65	0.11	0.025	0.073	0.106	2.089	2.174	Yes	0.099	1.713			
00250	1074	1073	8	37.58	0.038	0.022	0.022	Free Surface	2.137	0.068	0.009	0.045	0.067	2.148	2.376	Yes	0.051	1.792			
00251	1078	1074	8	312.46	0.02	0.011	0.011	Free Surface	1.378	0.057	0.006	0.038	0.047	1.51	1.711	Yes	0.042	1.205			
00252	33	32	8	154.48	0.054	0.007	0.007	Free Surface	1.661	0.036	0.002	0.024	0.036	2.315	2.812	Yes	0.037	0.864			

00253	34	13	8	255.38	0.005	0.007	0.007	Free Surface	0.72	0.063	0.008	0.042	0.036	0.754	0.844	Yes	0.044	0.666			
00254	36	32	8	119.28	0.027	0.007	0.007	Free Surface	1.314	0.042	0.003	0.028	0.036	1.691	2.006	Yes	0.039	0.798			
00255	35	14	8	262.11	0.006	0.007	0.007	Free Surface	0.762	0.06	0.007	0.04	0.036	0.815	0.916	Yes	0.06	0.427			
00256	1281	1169	8	242.11	0.016	0.178	0.178	Free Surface	2.904	0.232	0.118	0.155	0.194	1.549	1.51	Yes	0.157	2.839			
00257	496	2877	8	255.23	0.016	0.008	0.008	Free Surface	1.173	0.052	0.005	0.035	0.041	1.349	1.549	Yes	0.542	0.027			
00258	528	546	8	209.06	0.005	1.154	1.154	Pressurized	3.306	1	1.315	0.667	0.444	0.714	0.878	No	0.67	3.306	7.56	8	2
00260	513	511	8	252.48	0.028	0.021	0.021	Free Surface	1.873	0.071	0.01	0.047	0.065	1.843	2.027	Yes	0.052	1.634			
00261	59	60	8	235.46	0.035	0.008	0.008	Free Surface	1.506	0.043	0.003	0.028	0.039	1.92	2.272	Yes	0.032	1.254			
00262	60	2848	8	331.79	0.05	0.015	0.015	Free Surface	2.104	0.054	0.006	0.036	0.056	2.374	2.711	Yes	0.042	1.674			
00263	548	490	8	194.6	0.025	0.025	0.025	Free Surface	1.907	0.079	0.013	0.053	0.07	1.778	1.928	Yes	0.106	0.69			
00264	489	548	8	280.59	0.007	0.016	0.016	Free Surface	1.101	0.087	0.016	0.058	0.057	0.977	1.046	No	0.058	1.101			
00265	484	483.00	8	213.04	0.024	0.008	0.008	Free Surface	1.342	0.048	0.004	0.032	0.041	1.615	1.878	Yes	0.04	1.091			
00266	468	463	8	131.37	0.008	0.125	0.125	Free Surface	2.094	0.227	0.113	0.152	0.161	1.129	1.102	No	0.152	2.094			
00267	462	461	8	193.16	0.012	0.238	0.238	Free Surface	2.89	0.286	0.178	0.19	0.225	1.378	1.336	Yes	0.201	2.677			
00269	193	142	12	348.65	0.007	0.665	0.665	Pressurized	2.988	0.326	0.23	0.326	0.34	1.081	2.889	Yes	1	0.847			
00270	141	2040	15	530.45	0.016	11.116	11.116	Pressurized	9.058	1	1.363	1.25	1.122	1.428	8.155	Yes	1.25	9.058	14.22	15	2
00272	529	530	8	330.63	0.025	0.01	0.01	Free Surface	1.45	0.053	0.005	0.035	0.046	1.657	1.899	Yes	0.185	0.131			
00273	531	530	8	199.78	0.017	1.123	1.123	Free Surface	4.918	0.622	0.71	0.415	0.503	1.458	1.582	No	0.415	4.918			
00275	833	645	8	229.96	0.007	0.027	0.027	Free Surface	1.253	0.114	0.027	0.076	0.075	0.971	1.006	Yes	0.131	0.568			
00276	622	636	8	251.04	0.011	0.014	0.014	Pressurized	1.208	0.073	0.011	0.049	0.053	1.17	1.282	Yes	0.667	0.04			
00277	339	338	8	370.87	0.012	3.525	3.525	Pressurized	10.097	1	2.66	0.667	0.543	2.179	1.325	Yes	0.667	10.097	9.76	10	2
00278	338	680	8	240.23	0.025	3.536	3.536	Pressurized	10.13	1	1.832	0.667	0.621	2.186	1.931	Yes	0.667	10.13	8.51	10	2
00279	680	689.00	8	239.89	0.032	3.548	3.548	Pressurized	10.164	1	1.633	0.667	0.637	2.194	2.173	Yes	0.67	10.164	8.14	10	2
00280	340	339	8	185.91	0.009	3.504	3.504	Pressurized	10.038	1	3.033	0.667	0.51	2.166	1.155	Yes	0.667	10.038	10.28	12	2
00281	689	688	8	122.62	0.038	3.559	3.559	Pressurized	10.197	1	1.506	0.667	0.645	2.201	2.364	Yes	0.667	10.197	7.89	8	2
00282	688	687	8	119.04	0.02	3.594	3.594	Pressurized	10.297	1	2.101	0.667	0.6	2.222	1.711	Yes	0.667	10.297	8.93	10	2
00283	687	685	8	241.83	0.039	3.606	3.606	Pressurized	10.33	1	1.51	0.667	0.646	2.23	2.387	Yes	0.667	10.33	7.89	8	2
00284	686	685	8	280.17	0.003	0.012	0.012	Pressurized	0.689	0.095	0.019	0.063	0.048	0.584	0.619	Yes	0.667	0.033			
00285	685	699	8	221.55	0.039	3.629	3.629	Pressurized	10.397	1	1.511	0.667	0.646	2.244	2.402	Yes	0.667	10.397	7.91	8	2
00286	699	698	8	120.06	0.021	3.641	3.641	Pressurized	10.43	1	2.068	0.667	0.606	2.251	1.76	Yes	0.667	10.43	8.89	10	2
00287	698	336	8	337.93	0.02	3.652	3.652	Pressurized	10.463	1	2.126	0.667	0.601	2.258	1.718	Yes	0.667	10.463	8.99	10	2
00288	336	586	8	289.43	0.031	3.676	3.676	Pressurized	10.53	1	1.724	0.667	0.635	2.273	2.132	Yes	0.67	10.53	8.30	10	2
00289	337	336	8	280.16	0.009	0.012	0.012	Pressurized	1.07	0.071	0.01	0.047	0.048	1.057	1.163	Yes	0.667	0.033			
00290	586	585	8	301.67	0.026	3.687	3.687	Pressurized	10.563	1	1.896	0.667	0.622	2.28	1.945	Yes	0.667	10.563	8.58	10	2
00291	585	583	8	298.94	0.029	3.699	3.699	Pressurized	10.597	1	1.805	0.667	0.63	2.287	2.049	Yes	0.667	10.597	8.42	10	2
00292	583	582	8	228.31	0.023	3.711	3.711	Pressurized	10.63	1	2.03	0.667	0.612	2.294	1.828	Yes	0.667	10.63	8.81	10	2
00293	582	627	8	229.13	0.02	3.722	3.722	Pressurized	10.663	1	2.174	0.667	0.601	2.301	1.712	Yes	0.67	10.663	9.05	10	2
00294	627	628	8	221.23	0.037	3.734	3.734	Pressurized	10.697	1	1.607	0.667	0.643	2.309	2.323	Yes	0.67	10.697	8.07	10	2
00295	628	630	8	223.54	0.026	3.745	3.745	Pressurized	10.73	1	1.904	0.667	0.624	2.316	1.967	Yes	0.67	10.73	8.63	10	2
00296	629	630	8	314.87	0.004	0.012	0.012	Pressurized	0.8	0.086	0.015	0.057	0.048	0.715	0.767	Yes	0.667	0.033			
00297	630	640	8	241.93	0.04	3.769	3.769	Pressurized	10.796	1	1.564	0.667	0.646	2.33	2.41	Yes	0.667	10.796	7.98	8	2
00298	640	631	8	237.48	0.018	3.78	3.78	Pressurized	10.83	1	2.344	0.667	0.588	2.337	1.612	Yes	0.667	10.83	9.28	10	2
00299	834	631	8	299.65	0.009	0.012	0.012	Pressurized	1.051	0.071	0.01	0.048	0.048	1.032	1.134	Yes	0.667	0.033			
00300	631	835	8	246.80	0.029	3.804	3.804	Pressurized	10.896	1	1.834	0.667	0.631	2.352	2.074	Yes	0.67	10.896	8.51	10	2
00301	835	620	8	229.22	0.024	3.815	3.815	Pressurized	10.93	1	2.016	0.667	0.618	2.359	1.892	Yes	0.667	10.93	8.83	10	2
00302	620	632	8	240.05	0.014	3.827	3.827	Pressurized	10.963	1	2.666	0.667	0.562	2.366	1.436	Yes	0.67	10.963	9.78	10	2
00303	632	638	8	250.18	0.015	3.838	3.838	Pressurized	10.996	1	2.561	0.667	0.572	2.373	1.499	Yes	0.67	10.996	9.66	10	2
00304	664	652	12	325.42	0.027	0.14	0.14	Free Surface	3.106	0.107	0.024	0.107	0.153	2.028	5.834	Yes	0.111	2.922			
00305	663	662	12	299.49	0.027	1.187	1.187	Pressurized	5.854	0.305	0.202	0.305	0.459	2.199	5.871	Yes	1	1.511			
00306	150	664	12	214.32	0.034	0.135	0.135	Free Surface	3.348	0.099	0.021	0.099	0.15	2.27	6.588	Yes	0.103	3.168			
00307	442	268	8	206.8	0.018	0.193	0.193	Free Surface	3.135	0.232	0.119	0.155	0.202	1.671	1.629	No	0.16	3.135			
00308	229	442	8	19.57	0.008	0.182	0.182	Free Surface	2.281	0.279	0.17	0.186	0.196	1.101	1.067	No	0.186	2.281			
00309	448	447	8	111.12	0.001	0.001	0.001	Pressurized	0.25	0.045	0.004	0.03	0.017	0.31	0.363	Yes	0.667	0.004			
00310	236	234	21	321.25	0.003	7.067	7.067	Pressurized	4.225	0.656	0.767	1.148	0.983	0.742	9.22	Yes	1.75	2.938			
00311	234	292	21	343.7	0.006	7.079	7.079	Pressurized	5.389	0.536	0.562	0.938	0.984	1.095	12.595	Yes	1.75	2.943			
00312	292	3	18	56.41	0.012	10.36	10.36	Pressurized	7.406	0.738	0.895	1.108	1.238	1.267	11.572	Yes	1.5	5.863	14.62	15	2
00313	1459	1460	8	259.13	0.02	0.002	0.002	Free Surface	0.821	0.026	0.001	0.017	0.02	1.337	1.703	Yes	0.025	0.49			
00314	1460	1461	8	172.33	0.004	0.004	0.004	Free Surface	0.585	0.052	0.005	0.035	0.029	0.672	0.771	Yes	0.038	0.515			
00316	1458	1196	8	257.59	0.004	0.008	0.008	Free Surface	0.732	0.072	0.01	0.048	0.041	0.716	0.786	Yes	0.05	0.684			
00317	1196	1584	8	340.76	0.006	0.01	0.01	Free Surface	0.899	0.073	0.011	0.049	0.045	0.874	0.958	Yes	0.51	0.036			
00318	1585	1584	18	225.62	0.005	3.051	3.051	Free Surface	4.086	0.439	0.399	0.659	0.664	1.017	7.652	Yes	0.814	3.113			
00319	1586	1585	18	267.56	0.003	3.049	3.049	Free Surface	3.155	0.537	0.563	0.805	0.664	0.692	5.416	No	0.805	3.155			
00320	1587	1586	15	337.86	0.003	3.041	3.041	Free Surface	3.02	0.765	0.932	0.956	0.702	0.546	3.262	No	0.956	3.02	11.97	12	2
00321	1452	1586	8	473.12	0.006	0.006	0.006	Free Surface	0.753	0.058	0.007	0.039	0.035	0.821	0.928	Yes	0.421	0.026			
00322	1453	1452	8	466.95	0.004	0.004	0.004	Free Surface	0.561	0.054	0.006	0.036	0.029	0.635	0.726	No	0.036	0.561			
00323	1454	1453	8	149.09	0.004	0.002	0.002	Free Surface	0.474	0.038	0.003	0.025	0.02	0.64	0.771	Yes	0.03	0.329			
00324	1455	1456	8	132.22	0.004	0.002	0.002	Free Surface	0.46	0.039	0.003	0.026	0.02	0.616	0.739	Yes	0.032	0.338			
00325	1456	1457	8	316.99	0.004	0.004	0.004	Free Surface	0.577	0.053	0.005	0.035	0.029	0.658	0.755	Yes	0.04	0.478			
00326	1457	1458	8	407.63	0.003	0.006	0.006	Free Surface	0.599	0.068	0.009	0.045	0.035	0.603	0.668	Yes	0.046	0.588			
00327	1588	1587	15	204.90	0.003	2.942	2.942	Free Surface	3.112	0.72	0.867	0.9	0.689	0.598	3.392	Yes	0.929	3.009	11.82	12	2
00328	1589	1588	15	272.41	0.002	2.918	2.918	Pressurized	2.378	1	1.161	1.25	0.635	0.375	2.513	No	1.25	2.378	12.72	15	2
00329	525	491	8	347.7	0.031	0.005	0.005	Free Surface	1.227	0.035	0.002	0.023	0.03	1.738	2.121	Yes	0.06	0.308			
00330	530	528	8	239.19	0.034	1.144	1.144	Free Surface	6.446	0.507	0.511	0.338	0.507	2.202	2.238	Yes	0.667	3.277			
00331	143	2854	8	340.92	0.021	0.005	0.005	Free Surface	1.067	0.038	0.003	0.025	0.03	1.442	1.735	Yes	0.028	0.935			
00332	517	531	8	213.39	0.019	1.113	1.113	Free Surface	5.143	0.595	0.663	0.396	0.5	1.577	1.679	Yes	0.405	5.013			
00333	831	150	8	404.65	0.09	0.005	0.005	Free Surface	1.78	0.027	0.001	0.018	0.03	2.859	3.626	Yes	0.059	0.308			
00334	520	519	8	109.22	0.037	0.01	0.01	Free Surface	1.666	0.048	0.004	0.032	0.046	1.996	2.319	Yes	0.04	1.461			
00335	519	518	8	410.37	0.079	0.021	0.021	Free Surface	2.693	0.056	0.006	0.037	0.065	3	3.414	Yes	0.04	2.367			
00336	518	517	8	400.57	0.066	0.031	0.031	Free Surface	2.85	0.07	0.01	0.047	0.079	2.818	3.103	Yes	0.222	0.304			
00337	54	517	8	200.68	0.035	0.041	0.041	Free Surface	2.49	0.094	0.018	0.063	0.092	2.127	2.256	Yes	0.23	0.387			
00338	55	54	8	281.14	0.037	0.01	0.01	Free Surface	1.671	0.048	0.004	0.032	0.046	2.003	2.328	Yes	0.045	1.001			
00339	516	517	8	299.60	0.01	1.031	1.031	Free Surface	3.921	0.705	0.844	0.47	0.482	1.051	1.22	No	0.47	3.921	6.37	8	2
00340	268	269.00	8	140.58	0.02	0.204	0.204	Free Surface	3.303	0.233	0.119	0.155	0.208	1.758	1.713	No	0.155	3.303			
00341	521	522	8	271.1	0.014	0.01	0.01	Free Surface	1.185	0.061	0.007	0.04	0.046	1.263	1.42	Yes	0.041	1.172			
00342	522	54	8	374.8	0.069	0.021	0.021	Free Surface	2.567	0.057	0.006	0.038	0.065	2.813	3.186	Yes	0.048	1.815			
00343	512	513	8	313.97	0.019	0.01	0.01	Free Surface	1.336	0.056	0.006	0.037	0.046	1.485	1.688	Yes	0.04	1.191			
00344	511	510	8	299.17	0.038	0.041	0.041	Free Surface	2.577	0.092	0.017	0.061	0.092	2.227	2.369	Yes	0.079	1.782			
00345	1592	1589	8	270.85	0.013	1.061	1.061	Free Surface	4.383	0.655	0.764	0.436	0.489	1.25	1.389	Yes	0.667	3.04			
00346	1590	1592	8	285.01	0.005	0.01	0.01	Free Surface	0.81	0.074	0.011	0.05	0.044	0.779	0.852	Yes	0.242	0.083			
00347	1591	1590	8	258.56	0.005	0.005	0.005	Free Surface	0.679	0.052	0.005	0.035	0.031	0.779	0.894	Yes	0.041	0.533			
00348	1593	1592	8	27.06	0.028	1.047	1.047	Free Surface	5.858	0.509	0.516	0.34	0.485	1.994	2.029	Yes	0.387	4.975			
00349	1193	1,463.00	8	197.99	0.003	0.002	0.002	Free Surface	0.438	0.04	0.003	0.027	0.02	0.577	0.69	Yes	0.034	0.311			
00350	1194	1464	8	256.18	0.005	0.002	0.002	Free Surface	0.514	0.036	0.002	0.024	0.02	0.714	0.867	Yes	0.039	0.25			
00351	1462	1463	8	261.76	0.005	0.002	0.002	Free Surface	0.498	0.037	0.002	0.024	0.02	0.684	0.828	Yes	0.033	0.326			
00352	1463	1464	8	479.98	0.006	0.006	0.006	Free Surface	0.745	0.059	0.007	0.039	0.035	0.809	0.914	Yes	0.046	0.577			
00353	1464	1197	8	177.44	0.004	0.01	0.01	Free Surface	0.8	0.079	0.013	0.053	0.045	0.746	0.809	Yes	0.06	0.674			
00354	1198	1197	8	282.99	0.004	0.004	0.004	Free Surface	0.6	0.052	0.005	0.034	0.029	0.695	0.799	Yes	0.05	0.345			
00355	1199	1198	8	319.86	0.004	0.002	0.002	Free Surface	0.489	0.037	0.003	0.025	0.02	0.668	0.807	Yes	0.03	0.402			
00357	1197	1465	8	390.11	0.005	0.016	0.016	Free Surface	0.956	0.096	0.019	0.064	0.058	0.807	0.853	Yes	0.064	0.953			
00358	1465	1466	8	64.83	0.008	0.018	0.018	Free Surface	1.151	0.092	0.017	0.061	0.061	0.995	1.058	Yes	0.066	1.032			
00359	1466	1467	10	159.88	0.005	0.02	0.02	Free Surface	1.009	0.08	0.013	0.066	0.061	0.838	1.586	Yes	0.071	0.908			
00360	1191	1470	8	157.86	0.006	0.008	0.008	Free Surface	0.814	0.067	0.009	0.045	0.041	0.825	0.914	Yes	0.066	0.455			
00361	510	509	8	310.08	0.016	0.072	0.072	Free Surface	2.257	0.147	0.047	0.098	0.122	1.529	1.542	Yes	0.247	0.612			
00362	2584	2,582.00	10	273.33	0.001	0.075	0.075	Free Surface	0.818	0.225	0.111	0.187	0.117	0.397	0.678	No	0.187	0.818			
00363	2583	1587	10	386.13	0.001	0.094	0.094	Free Surface	0.902	0.246	0.132	0.205	0.131	0.417	0.709	Yes	0.76	0.18			
00364	1222	1,221.00	12	166.51	0.004	2.428	2.428	Pressurized	3.092	1	1.088	1	0.639	0.545	2.232	Yes	1.00	3.092	10.43	12	2
00365	1221	1220	12	240.95	0.003	2.437	2.437	Pressurized	3.103	1	1.184	1	0.613	0.547	2.058	Yes	1	3.103	11.02	12	2
00366	1220	1,219.00	12	238.57	0.003	2.447	2.447	Pressurized	3.115	1	1.183	1	0.614	0.549	2.069	Yes	1	3.115	11.04	12	2
00367	1219	1,218.00	12	248.31	0.003	2.47	2.47	Pressurized	3.145	1	1.182	1	0.617	0.554	2.09	Yes	1	3.145	11.07	12	2
00368	1218	1,217.00	12	250.33	0.003	2.479	2.479	Pressurized	3.157	1	1.228	1	0.607	0.556	2.019	Yes	1	3.157	11.09	12	2
00369	1217	1,216.00	12	261.50	0.004	2.489	2.489	Pressurized	3.169	1	1.132	1	0.634	0.558	2.198	Yes	1	3.169	10.52	12	2
00370	1216	1215	12	314.15	0.004	2.512	2.512	Pressurized	3.198	1	1.157	1	0.63	0.564	2.171	Yes	1	3.198	10.56	12	2
00371	2352	1222	8	252.73	0.003	0.048	0.048	Pressurized	1.146	0.178	0.069	0.118	0.099	0.704	0.699	Yes	0.667	0.138			
00373	1256	1267	8	110.11	0.007	0.016	0.016	Free Surface	1.052	0.09	0.017	0.06	0.058	0.918	0.979	Yes	0.074	0.771			
00375	1260	1263	8	110.47	0.01	0.004	0.004	Free Surface	0.793	0.043	0.003	0.028	0.029	1.01	1.195	Yes	0.06	0.266			
00376	1249	1250	8	117.74	0.002	0.005	0.005	Free Surface	0.474	0.066	0.009	0.044	0.031	0.485	0.538	Yes	0.051	0.379			
00377	1257	1255	8	249.81	0.004	0.008	0.008	Free Surface	0.718	0.073	0.011	0.049	0.041	0.697	0.764	Yes	0.06	0.574			
00378	1546	1547	10	120.87	0.014	0.03	0.03	Free Surface	1.609	0.075	0.011	0.062	0.073	1.378	2.629	Yes	0.099	0.819			
00379	1247	1220	8	289.2	0.007	0.005	0.005	Pressurized	0.728	0.049	0.005	0.033	0.031	0.862	0.998	Yes	0.667	0.013			
00380	1248	1221	8	278.62	0.006	0.005	0.005	Pressurized	0.696	0.051	0.005	0.034	0.031	0.811	0.935	Yes	0.667	0.013			
00381	2915	1257	8	401.58	0.003	0.004	0.004	Free Surface	0.525	0.056	0.006	0.038	0.029	0.581	0.66	Yes	0.043	0.428			
00382	1253	1254	8	125.19	0.006	0.002	0.002	Free Surface	0.539	0.035	0.002	0.023	0.02	0.762	0.929	Yes	0.026	0.448			
00383	569	568	8	315.17	0.095	0.008	0.008	Free Surface	2.125	0.034	0.002	0.023	0.039	3.045	3.73	Yes	0.117	0.188			
00384	567	576	8	278.33	0.018	0.014	0.014	Free Surface	1.422	0.065	0.008	0.043	0.053	1.463	1.628	Yes	0.108	0.376			
00385	573	576	8	289.84	0.026	0.275	0.275	Free Surface	3.955	0.253	0.14	0.169	0.242	2.015	1.957	Yes	0.17	3.908			
00386	678	697.00	8	344.88	0.023	0.206	0.206	Free Surface	3.461	0.227	0.113	0.151	0.209	1.869	1.824	Yes	0.15	3.41			
00387	697	696	8	341.86	0.025	0.22	0.22	Free Surface	3.659	0.228	0.114	0.152	0.216	1.969	1.921	Yes	0.155	3.557			

00388	695	696	8	279.14	0.015	0.014	0.014	Free Surface	1.322	0.068	0.009	0.046	0.053	1.327	1.467	Yes	0.102	0.406			
00389	696	574	8	287.24	0.028	0.247	0.247	Free Surface	3.921	0.236	0.122	0.158	0.229	2.072	2.018	Yes	0.163	3.743			
00390	574	573	8	299.82	0.024	0.261	0.261	Free Surface	3.8	0.251	0.138	0.167	0.236	1.944	1.889	No	0.167	3.8			
00391	576	575	8	235.78	0.031	0.302	0.302	Free Surface	4.343	0.253	0.141	0.169	0.254	2.21	2.147	Yes	0.172	4.219			
00392	806	711	8	391.89	0.002	0.031	0.031	Free Surface	0.907	0.156	0.053	0.104	0.08	0.596	0.598	No	0.104	0.907			
00393	358	712	8	316.51	0.004	0.052	0.052	Free Surface	1.29	0.174	0.066	0.116	0.104	0.801	0.796	No	0.116	1.29			
00394	359	358	8	73.81	0.008	0.01	0.01	Free Surface	0.97	0.07	0.01	0.047	0.046	0.96	1.057	Yes	0.082	0.423			
00395	779	714	8	400.32	0.025	0.115	0.115	Free Surface	3.001	0.167	0.061	0.111	0.155	1.903	1.897	No	0.111	3.001			
00396	712	779	8	374.4	0.02	0.105	0.105	Free Surface	2.732	0.167	0.061	0.111	0.147	1.734	1.728	Yes	0.114	2.646			
00397	711	712	8	37.24	0.031	0.042	0.042	Free Surface	2.394	0.098	0.02	0.065	0.092	2.005	2.117	Yes	0.09	1.578			
00398	828	829	8	262.89	0.007	0.01	0.01	Free Surface	0.931	0.072	0.011	0.048	0.046	0.909	0.997	Yes	0.054	0.79			
00399	829	357	8	184.59	0.012	0.021	0.021	Free Surface	1.396	0.088	0.016	0.059	0.065	1.234	1.32	Yes	0.061	1.324			
00400	357	358	8	305.59	0.019	0.031	0.031	Free Surface	1.873	0.095	0.019	0.063	0.08	1.592	1.687	Yes	0.091	1.105			
00401	714	715	8	399.29	0.033	0.126	0.126	Free Surface	3.427	0.162	0.057	0.108	0.162	2.209	2.208	Yes	0.12	2.933			
00402	822	821	8	239.56	0.049	0.006	0.006	Free Surface	1.577	0.035	0.002	0.024	0.035	2.205	2.681	Yes	0.027	1.313			
00403	823	822	8	158.11	0.02	0.002	0.002	Free Surface	0.856	0.028	0.001	0.019	0.022	1.349	1.701	Yes	0.02	0.769			
00404	971	730	8	274.64	0.001	0.12	0.12	Free Surface	0.978	0.383	0.312	0.256	0.158	0.395	0.386	No	0.256	0.978			
00405	730	970	8	157.32	0.039	0.124	0.124	Free Surface	3.609	0.154	0.052	0.103	0.16	2.385	2.394	Yes	0.158	1.954			
00406	970	969	8	237.26	0.039	0.514	0.514	Free Surface	5.483	0.314	0.214	0.209	0.336	2.482	2.405	Yes	0.483	1.897			
00407	968	969	8	244.32	0.044	0.554	0.554	Free Surface	5.801	0.318	0.219	0.212	0.349	2.608	2.529	Yes	0.485	2.036			
00408	955	956	8	106.15	0.016	0.479	0.479	Free Surface	3.875	0.384	0.313	0.256	0.324	1.564	1.529	Yes	0.26	3.806			
00409	954	955	8	318.06	0.005	0.102	0.102	Free Surface	1.643	0.234	0.12	0.156	0.145	0.873	0.851	Yes	0.206	1.108			
00410	823	824	8	120.75	0.008	0.001	0.001	Free Surface	0.533	0.028	0.001	0.019	0.017	0.84	1.059	Yes	0.026	0.318			
00411	824	825	8	101.8	0.01	0.005	0.005	Free Surface	0.864	0.048	0.004	0.032	0.033	1.038	1.207	No	0.032	0.864			
00412	819	804	8	120.32	0.009	0.004	0.004	Free Surface	0.765	0.042	0.003	0.028	0.028	0.985	1.169	Yes	0.21	0.04			
00413	804	728	12	121.96	0.009	1.115	1.115	Free Surface	3.812	0.399	0.335	0.399	0.444	1.229	3.322	Yes	0.403	3.759			
00414	820	804	12	106.41	0.011	1.107	1.107	Free Surface	4.202	0.369	0.291	0.369	0.443	1.418	3.809	Yes	0.38	3.985			
00415	827	820	12	237.43	0.006	1.103	1.103	Free Surface	3.354	0.436	0.394	0.436	0.442	1.027	2.801	No	0.436	3.354			
00416	638	637	8	227.75	0.039	4.291	4.291	Pressurized	12.294	1	1.787	0.667	0.646	2.653	2.402	Yes	0.667	12.294	8.42	10	2
00417	634	633	8	220.81	0.065	4.324	4.324	Pressurized	12.387	1	1.397	0.667	0.659	2.673	3.094	Yes	0.67	12.387	7.67	8	2
00418	635	634	8	180.68	0.035	4.319	4.319	Pressurized	12.373	1	1.893	0.667	0.642	2.671	2.282	Yes	0.67	12.373	8.62	10	2
00419	636	635	8	312.86	0.032	4.314	4.314	Pressurized	12.36	1	1.994	0.667	0.636	2.668	2.164	Yes	0.67	12.36	8.76	10	2
00420	637	636	8	229.46	0.035	4.296	4.296	Pressurized	12.307	1	1.883	0.667	0.642	2.656	2.282	Yes	0.667	12.307	8.60	10	2
00421	639	651	8	276.77	0.002	0.008	0.008	Free Surface	0.525	0.087	0.015	0.058	0.039	0.467	0.5	Yes	0.145	0.138			
00422	651	650	8	200.63	0.044	0.649	0.649	Free Surface	6.08	0.345	0.256	0.23	0.379	2.612	2.538	Yes	0.24	5.717			
00423	650	649	8	250.34	0.033	0.656	0.656	Free Surface	5.506	0.374	0.298	0.249	0.382	2.257	2.203	Yes	0.276	4.807			
00424	649	647	8	215.16	0.024	0.813	0.813	Free Surface	5.176	0.461	0.434	0.307	0.427	1.876	1.873	No	0.307	5.176			
00425	648	649	8	276.97	0.012	0.149	0.149	Free Surface	2.513	0.226	0.112	0.151	0.177	1.358	1.326	Yes	0.227	1.424			
00426	653	651	8	239.92	0.059	0.633	0.633	Free Surface	6.71	0.315	0.216	0.21	0.375	3.03	2.937	Yes	0.221	6.258			
00427	656	653	8	246.95	0.038	0.625	0.625	Free Surface	5.734	0.35	0.264	0.234	0.372	2.441	2.373	No	0.234	5.734			
00428	657	656	8	228.83	0.034	0.61	0.61	Free Surface	5.467	0.356	0.272	0.238	0.367	2.305	2.243	No	0.238	5.467			
00429	643	656	8	300.21	0.001	0.008	0.008	Free Surface	0.447	0.097	0.019	0.065	0.039	0.376	0.397	Yes	0.15	0.131			
00430	658	657	8	242.34	0.03	0.602	0.602	Free Surface	5.21	0.366	0.285	0.244	0.365	2.164	2.109	No	0.244	5.21			
00431	659	658	8	219.32	0.035	0.532	0.532	Free Surface	5.291	0.33	0.236	0.22	0.342	2.328	2.258	Yes	0.232	4.924			
00432	718	659	8	223.01	0.058	0.525	0.525	Free Surface	6.314	0.288	0.181	0.192	0.339	2.999	2.906	Yes	0.207	5.675			
00433	581	718	8	231.19	0.013	0.509	0.509	Free Surface	3.634	0.422	0.372	0.281	0.334	1.389	1.37	No	0.281	3.634			
00434	655	658	8	228.65	0.043	0.062	0.062	Free Surface	3.03	0.108	0.025	0.072	0.113	2.404	2.506	Yes	0.158	0.978			
00435	856	854	8	320.99	0.032	0.022	0.022	Free Surface	2.011	0.071	0.01	0.047	0.067	1.983	2.181	Yes	0.056	1.559			
00436	854	853	8	268.73	0.022	0.033	0.033	Free Surface	2	0.094	0.018	0.062	0.082	1.711	1.815	Yes	0.102	0.975			
00437	1129	862	8	265.67	0.018	0.165	0.165	Free Surface	2.996	0.215	0.101	0.143	0.186	1.666	1.63	No	0.14	2.996			
00438	853	1129	8	269.69	0.006	0.088	0.088	Free Surface	1.679	0.207	0.094	0.138	0.135	0.951	0.932	Yes	0.139	1.663			
00439	862	863	8	332.25	0.043	0.187	0.187	Free Surface	4.236	0.184	0.074	0.123	0.198	2.555	2.527	Yes	0.142	3.443			
00440	864	865	8	337.85	0.058	0.209	0.209	Free Surface	4.844	0.181	0.072	0.121	0.21	2.947	2.918	Yes	0.216	2.137			
00441	863	864.00	8	328.01	0.016	0.198	0.198	Free Surface	3.02	0.243	0.129	0.162	0.204	1.573	1.53	No	0.162	3.02			
00442	873	869	8	177.82	0.015	0.099	0.099	Free Surface	2.426	0.174	0.066	0.116	0.143	1.506	1.496	Yes	0.129	2.087			
00443	869	868	8	150.35	0.01	0.121	0.121	Free Surface	2.213	0.214	0.1	0.142	0.159	1.233	1.208	Yes	0.145	2.15			
00444	868	867	8	101.63	0.011	0.132	0.132	Free Surface	2.359	0.217	0.103	0.145	0.166	1.303	1.275	No	0.145	2.359			
00445	867	874	8	113.82	0.015	0.143	0.143	Free Surface	2.712	0.208	0.095	0.139	0.173	1.532	1.502	Yes	0.253	1.178			
00446	870	869	8	130.22	0.094	0.011	0.011	Free Surface	2.359	0.04	0.003	0.027	0.047	3.112	3.717	Yes	0.084	0.43			
00447	1133	862	8	466.19	0.046	0.011	0.011	Free Surface	1.844	0.047	0.004	0.031	0.047	2.237	2.607	Yes	0.062	0.672			
00448	852	1130	8	242.35	0.019	0.011	0.011	Free Surface	1.342	0.058	0.007	0.039	0.047	1.46	1.651	Yes	0.045	1.063			
00449	1130	849	8	427.96	0.018	0.022	0.022	Free Surface	1.632	0.082	0.014	0.054	0.067	1.497	1.617	Yes	0.061	1.368			
00450	849	848	8	438.34	0.016	0.033	0.033	Free Surface	1.793	0.101	0.021	0.067	0.082	1.476	1.552	Yes	0.072	1.617			
00451	848	847	8	231.79	0.019	0.044	0.044	Free Surface	2.066	0.111	0.026	0.074	0.095	1.617	1.68	Yes	0.078	1.922			
00452	847	846	8	211.19	0.017	0.055	0.055	Free Surface	2.131	0.127	0.034	0.085	0.106	1.558	1.596	No	0.085	2.131			
00453	846	1129	8	264.35	0.037	0.066	0.066	Free Surface	2.947	0.115	0.028	0.077	0.116	2.265	2.344	Yes	0.109	1.784			
00454	732	731	8	236.61	0.029	0.37	0.37	Free Surface	4.465	0.287	0.18	0.191	0.283	2.124	2.058	Yes	0.26	2.896			
00455	1056	1055	8	174.62	0.011	0.003	0.003	Free Surface	0.754	0.037	0.003	0.025	0.025	1.029	1.243	Yes	0.028	0.632			
00456	1014	1013	8	154.67	0.028	0.005	0.005	Free Surface	1.206	0.036	0.002	0.024	0.031	1.677	2.036	Yes	0.04	0.651			
00457	1015	1011	8	165.45	0.022	0.101	0.101	Free Surface	2.784	0.16	0.056	0.107	0.144	1.805	1.806	No	0.107	2.784			
00458	1021	1022	8	87.34	0.042	0.005	0.005	Free Surface	1.387	0.033	0.002	0.022	0.031	2.024	2.493	Yes	0.022	1.343			
00459	1022	1020	8	300.64	0.099	0.01	0.01	Free Surface	2.307	0.037	0.003	0.025	0.044	3.162	3.822	Yes	0.032	1.568			
00460	1020	1023	8	168.11	0.036	0.014	0.014	Free Surface	1.83	0.057	0.006	0.038	0.054	2.019	2.291	Yes	0.04	1.666			
00461	1023	1015	8	62.71	0.054	0.019	0.019	Free Surface	2.299	0.059	0.007	0.039	0.062	2.486	2.805	Yes	0.074	0.904			
00462	1016	1015	8	387.85	0.015	0.077	0.077	Free Surface	2.257	0.154	0.051	0.102	0.126	1.496	1.502	Yes	0.11	2.157			
00463	1017	1016	8	86.61	0.04	0.072	0.072	Free Surface	3.083	0.119	0.03	0.079	0.122	2.335	2.409	Yes	0.093	2.447			
00464	1018	1017	8	45.12	0.047	0.043	0.043	Free Surface	2.816	0.089	0.016	0.059	0.094	2.471	2.638	Yes	0.069	2.269			
00465	1019	1018	8	167.15	0.059	0.005	0.005	Free Surface	1.559	0.03	0.002	0.02	0.031	2.366	2.949	Yes	0.042	0.529			
00466	1025	1024	8	390.13	0.032	0.019	0.019	Free Surface	1.916	0.067	0.009	0.044	0.062	1.948	2.16	Yes	0.059	1.27			
00467	1024	1017	8	202.46	0.007	0.024	0.024	Free Surface	1.216	0.106	0.023	0.07	0.07	0.977	1.021	Yes	0.07	1.125			
00468	1037	1038	8	182.13	0.009	0.005	0.005	Free Surface	0.795	0.047	0.004	0.032	0.031	0.961	1.119	Yes	0.036	0.649			
00469	1038	1026	8	97.01	0.017	0.01	0.01	Free Surface	1.244	0.056	0.006	0.037	0.044	1.382	1.571	Yes	0.047	0.895			
00470	1026	1018	8	346.8	0.043	0.034	0.034	Free Surface	2.521	0.081	0.013	0.054	0.083	2.322	2.51	Yes	0.059	2.238			
00471	1027	1026	8	61.48	0.119	0.019	0.019	Free Surface	3.031	0.049	0.005	0.033	0.062	3.603	4.175	Yes	0.044	1.931			
00472	1028	1027	8	89	0.079	0.014	0.014	Free Surface	2.411	0.047	0.004	0.031	0.054	2.923	3.407	Yes	0.032	2.39			
00473	1036	1028	8	319.91	0.046	0.01	0.01	Free Surface	1.768	0.044	0.004	0.029	0.044	2.215	2.607	Yes	0.029	1.766			
00474	748	746	8	277.83	0.044	0.019	0.019	Free Surface	2.145	0.062	0.008	0.041	0.062	2.265	2.539	Yes	0.049	1.664			
00475	746	747	8	247.59	0.019	0.024	0.024	Free Surface	1.72	0.083	0.014	0.056	0.07	1.56	1.679	Yes	0.058	1.64			
00476	747	898	8	312.4	0.016	0.029	0.029	Free Surface	1.703	0.095	0.019	0.063	0.076	1.444	1.529	Yes	0.103	0.84			
00477	742	741	8	232.94	0.02	0.005	0.005	Free Surface	1.071	0.039	0.003	0.026	0.031	1.431	1.717	Yes	0.03	0.839			
00478	741	740	8	80.83	0.018	0.01	0.01	Free Surface	1.28	0.055	0.006	0.037	0.044	1.436	1.637	Yes	0.045	0.941			
00479	740	749	8	130.86	0.017	0.024	0.024	Free Surface	1.645	0.086	0.015	0.057	0.07	1.469	1.575	Yes	0.06	1.554			
00480	749	737	8	249.33	0.019	0.029	0.029	Free Surface	1.813	0.091	0.017	0.061	0.076	1.571	1.672	Yes	0.064	1.682			
00481	737	899	8	238.06	0.015	0.034	0.034	Free Surface	1.766	0.103	0.022	0.069	0.083	1.437	1.507	Yes	0.09	1.166			
00482	739	740	8	151.46	0.012	0.01	0.01	Free Surface	1.106	0.061	0.007	0.04	0.044	1.18	1.327	Yes	0.047	0.885			
00483	738	739	8	250.32	0.018	0.005	0.005	Free Surface	1.024	0.04	0.003	0.027	0.031	1.347	1.609	Yes	0.035	0.69			
00484	1040	1039	8	238.31	0.068	0.062	0.062	Free Surface	3.563	0.097	0.02	0.065	0.113	2.985	3.151	Yes	0.08	2.915			
00485	1039	901	8	278.54	0.069	0.11	0.11	Free Surface	4.25	0.128	0.035	0.085	0.151	3.102	3.174	Yes	0.09	4.14			
00486	764	765	8	180.72	0.021	0.005	0.005	Free Surface	1.086	0.038	0.003	0.026	0.031	1.458	1.751	Yes	0.028	0.93			
00487	765	766	8	174.11	0.019	0.01	0.01	Free Surface	1.309	0.054	0.006	0.036	0.044	1.48	1.691	Yes	0.04	0.972			
00488	767	766	8	74.96	0.021	0.029	0.029	Free Surface	1.891	0.089	0.016	0.059	0.076	1.663	1.776	No	0.059	1.891			
00489	766	1039	8	227.88	0.091	0.043	0.043	Free Surface	3.535	0.076	0.012	0.051	0.094	3.356	3.655	Yes	0.067	2.334			
00490	771	770	8	180.37	0.021	0.01	0.01	Free Surface	1.337	0.053	0.006	0.036	0.044	1.523	1.743	Yes	0.038	1.227			
00491	770	769	8	135.84	0.05	0.014	0.014	Free Surface	2.05	0.052	0.005	0.035	0.054	2.352	2.699	Yes	0.038	1.846			
00492	769	768	8	150.37	0.049	0.019	0.019	Free Surface	2.229	0.06	0.007	0.04	0.062	2.385	2.684	Yes	0.045	1.909			
00493	768	767	8	187.55	0.028	0.024	0.024	Free Surface	1.96	0.076	0.012	0.051	0.07	1.858	2.024	Yes	0.056	1.705			
00494	826	827	12	80.84	0.008	1.099	1.099	Free Surface	3.676	0.406	0.346	0.406	0.441	1.174	3.178	Yes	0.421	3.503			
00495	825	826	8	250.7	0.039	0.009	0.009	Free Surface	1.647	0.045	0.004	0.03	0.043	2.048	2.406	Yes	0.22	0.091			
00496	939	938	8	304.52	0.011	0.004	0.004	Free Surface	0.801	0.04	0.003	0.027	0.028	1.048	1.249	Yes	0.033	0.585			
00497	938	940	8	238.52	0.006	0.008	0.008	Free Surface	0.79	0.065	0.008	0.043	0.039	0.812	0.903	No	0.043	0.79			
00498	940	1135	8	296.71	0.013	0.011	0.011	Free Surface	1.186	0.065	0.008	0.043	0.048	1.219	1.357	No	0.043	1.186			
00499	934	907	8	242.82	0.026	0.042	0.042	Free Surface	2.265	0.101	0.022	0.068	0.093	1.86	1.954	Yes	0.304	0.271			
00500	509	516	8	384.11	0.016	1.02	1.02	Free Surface	4.744	0.592	0.658	0.394	0.479	1.46	1.552	Yes	0.432	4.262			
00501	199	509.00	8	179.17	0.033	0.938	0.938	Free Surface	6.079	0.454	0.424	0.303	0.459	2.222	2.214	Yes	0.35	5.057			
00502	514	515	8	158.47	0.008	0.01	0.01	Free Surface	0.975	0.069	0.01	0.046	0.046	0.972	1.073	Yes	0.07	0.554			
00503	515	510	8	399.9	0.002	0.021	0.021	Free Surface	0.77	0.13	0.036	0.087	0.065	0.556	0.568	Yes	0.091	0.714			
00504	56	533	8	350.64	0.03	0.039	0.039	Free Surface	2.328	0.094	0.018	0.063	0.089	1.985	2.104	Yes	0.06	2.315			
00505	533	534	8	349.42	0.048	0.046	0.046	Free Surface	2.895	0.092	0.017	0.061	0.097	2.5	2.658	Yes	0.07	2.393			
00506	132	131	10	320	0.046	0.014	0.014	Free Surface	1.915	0.04	0.003	0.033	0.05	2.261	4.722	Yes	0.063	0.743			
00507	133	132	10	339.33	0.034	0.009	0.009	Free Surface	1.519	0.035	0.002	0.029	0.041	1.903	4.044	Yes	0.031	1.389			
00508	134	135	6	266.5	0.069	0.005	0.005	Free Surface	1.697	0.041	0.003	0.02	0.033	2.549	1.478	Yes	0.017	2.242			
00509	135	130	6	240.95	0.049	0.009	0.009	Free Surface	1.864	0.061	0.007	0.031	0.046	2.283	1.248	Yes	0.044	1.095			
00510	128	129	8	355.91	0.012	0.005	0.005	Free Surface	0.898	0.043	0.003	0.028	0.03	1.144	1.353	Yes	0.032	0.744			
00511	129	130	8	207.49	0.032	0.014	0.014	Free Surface	1.737	0.057	0.006	0.038	0.053	1.907	2.161	Yes	0.048	1.251			
00512	130	131	8	142.31	0.024	0.028	0.028	Free Surface	1.944	0.085	0.015	0.057	0.075	1.748	1.877	Yes	0.074	1.3			
00513	131	144	10	170.04	0.007	0.051	0.051	Free Surface	1.447	0.116	0.028	0.096	0.096	0.992	1.793	No	0.10	1.447			
00514	503	504	8	420.66	0.027	0.008	0.008	Free Surface	1.399	0.046	0.004	0.031	0.041	1.708	1.995	Yes	0.066	0.458			

00515	504	505	12	256.95	0.032	0.147	0.147	Free Surface	3.349	0.105	0.023	0.105	0.157	2.205	6.356	Yes	0.112	3.052			
00516	505	506	12	82.45	0.024	0.155	0.155	Free Surface	3.1	0.115	0.028	0.115	0.161	1.949	5.56	Yes	0.128	2.656			
00517	506	507	8	298.99	0.033	0.221	0.221	Free Surface	4.023	0.214	0.101	0.143	0.216	2.238	2.191	Yes	0.178	2.953			
00518	507	508	8	348.94	0.009	0.253	0.253	Free Surface	2.619	0.321	0.223	0.214	0.232	1.17	1.135	No	0.214	2.619			
00519	46	45	8	203.3	0.08	0.048	0.048	Free Surface	3.49	0.083	0.014	0.055	0.099	3.182	3.43	Yes	0.056	3.361			
00520	259	46	8	215.14	0.133	0.043	0.043	Free Surface	4.017	0.069	0.01	0.046	0.093	4.004	4.419	Yes	0.053	3.301			
00522	551	129	8	171.79	0.059	0.005	0.005	Free Surface	1.538	0.03	0.002	0.02	0.03	2.351	2.937	Yes	0.028	0.921			
00523	142	141	18	70.3	0.047	11.104	11.104	Pressurized	12.88	0.49	0.484	0.736	1.275	2.994	22.947	Yes	1.5	6.284			
00529	196	194	18	494.58	0.002	10.394	10.394	Pressurized	5.882	1	2.419	1.5	0.795	0.846	4.296	No	1.5	5.882	20.48	21	2
00530	194	198.00	18	583.11	0.016	10.405	10.405	Free Surface	8.264	0.67	0.79	1.005	1.241	1.541	13.175	Yes	1.5	5.888	13.87	15	2
00531	566	597	8	401.12	0.035	0.011	0.011	Free Surface	1.679	0.05	0.005	0.034	0.047	1.969	2.273	Yes	0.038	1.405			
00532	597	596	8	398.13	0.045	0.022	0.022	Free Surface	2.261	0.066	0.009	0.044	0.067	2.316	2.575	Yes	0.045	2.135			
00533	596	595	8	150.82	0.062	0.033	0.033	Free Surface	2.86	0.074	0.011	0.049	0.082	2.764	3.024	Yes	0.059	2.183			
00534	595	836	8	248.57	0.054	0.066	0.066	Free Surface	3.349	0.106	0.024	0.071	0.117	2.688	2.809	Yes	0.089	2.386			
00535	836	601	8	147.88	0.024	0.11	0.11	Free Surface	2.946	0.164	0.059	0.11	0.151	1.886	1.882	Yes	0.12	2.591			
00536	601	600	8	80.19	0.017	0.132	0.132	Free Surface	2.735	0.196	0.084	0.131	0.166	1.594	1.569	Yes	0.141	2.451			
00537	481	480	8	335.59	0.011	0.008	0.008	Free Surface	1.035	0.057	0.006	0.038	0.041	1.14	1.293	Yes	0.043	0.872			
00538	480	479	8	354.94	0.018	0.016	0.016	Free Surface	1.496	0.071	0.01	0.047	0.057	1.475	1.623	Yes	0.048	1.459			
00539	482	487	8	312.42	0.002	0.033	0.033	Free Surface	0.886	0.163	0.057	0.108	0.082	0.57	0.569	Yes	0.111	0.862			
00540	487	486	8	318.67	0.003	0.041	0.041	Free Surface	1.049	0.169	0.062	0.113	0.091	0.662	0.659	No	0.113	1.049			
00541	486	485	8	340.59	0.015	0.049	0.049	Free Surface	1.966	0.124	0.033	0.083	0.1	1.454	1.492	Yes	0.091	1.718			
00542	485	506	8	293.58	0.008	0.057	0.057	Free Surface	1.673	0.154	0.052	0.103	0.108	1.107	1.111	Yes	0.122	1.312			
00543	478	482	8	231.41	0.008	0.008	0.008	Free Surface	0.904	0.062	0.008	0.042	0.041	0.952	1.066	Yes	0.075	0.379			
00544	483	482	8	395.86	0.032	0.016	0.016	Free Surface	1.82	0.062	0.008	0.041	0.057	1.919	2.15	Yes	0.075	0.759			
00545	490	504	8	223.17	0.007	0.131	0.131	Free Surface	1.979	0.244	0.131	0.163	0.165	1.027	0.999	No	0.163	1.979			
00546	488	489	8	416.81	0.004	0.008	0.008	Free Surface	0.743	0.071	0.01	0.047	0.041	0.73	0.803	Yes	0.052	0.641			
00548	493	495	8	389.5	0.022	0.008	0.008	Free Surface	1.295	0.049	0.005	0.033	0.041	1.54	1.785	Yes	0.046	0.788			
00549	495	494	8	399.99	0.007	0.016	0.016	Free Surface	1.103	0.087	0.016	0.058	0.057	0.979	1.048	Yes	0.081	0.674			
00550	494	490	8	155.39	0.028	0.098	0.098	Free Surface	2.989	0.15	0.049	0.1	0.143	2.006	2.019	Yes	0.129	2.065			
00551	499	494	8	230.38	0.009	0.074	0.074	Free Surface	1.863	0.17	0.063	0.114	0.123	1.169	1.163	No	0.114	1.863			
00552	502	499	8	223.83	0.011	0.049	0.049	Free Surface	1.772	0.133	0.038	0.089	0.1	1.263	1.287	Yes	0.103	1.428			
00553	501	502	8	293.58	0.012	0.041	0.041	Free Surface	1.725	0.12	0.031	0.08	0.091	1.299	1.339	Yes	0.086	1.538			
00554	500	501	8	378.61	0.014	0.033	0.033	Free Surface	1.681	0.105	0.023	0.07	0.082	1.357	1.42	Yes	0.075	1.506			
00555	498	499	8	354.83	0.008	0.016	0.016	Free Surface	1.137	0.085	0.015	0.057	0.057	1.019	1.094	Yes	0.087	0.608			
00556	497	498	8	378.31	0.016	0.008	0.008	Free Surface	1.16	0.053	0.005	0.035	0.041	1.328	1.523	Yes	0.045	0.814			
00557	565	353	8	66.02	0.067	1.902	1.902	Pressurized	9.401	0.563	0.608	0.375	0.619	2.996	3.131	Yes	0.667	5.449			
00558	564	565	8	398.29	0.018	1.881	1.881	Pressurized	5.39	1	1.163	0.667	0.589	1.163	1.618	Yes	0.667	5.39	7.15	8	2
00559	563	564	8	282.35	0.03	1.861	1.861	Free Surface	6.832	0.728	0.88	0.486	0.615	1.777	2.113	Yes	0.67	5.33	6.47	8	2
00560	562	563	8	147.8	0.028	0.021	0.021	Free Surface	1.889	0.071	0.01	0.047	0.065	1.858	2.043	Yes	0.268	0.158			
00561	561	560	8	133.44	0.023	0.021	0.021	Free Surface	1.755	0.075	0.011	0.05	0.065	1.683	1.839	Yes	0.073	0.993			
00562	560	559	8	174.5	0.041	0.104	0.104	Free Surface	3.472	0.141	0.043	0.094	0.147	2.409	2.44	Yes	0.097	3.332			
00563	559	354	8	398.63	0.038	0.125	0.125	Free Surface	3.582	0.156	0.053	0.104	0.161	2.354	2.36	Yes	0.667	0.357			
00565	558	560	8	45.33	0.027	0.062	0.062	Free Surface	2.584	0.121	0.031	0.081	0.113	1.934	1.99	Yes	0.089	2.25			
00566	556	558	8	330.75	0.057	0.042	0.042	Free Surface	2.97	0.084	0.014	0.056	0.092	2.689	2.894	Yes	0.067	2.295			
00567	555	556	8	118.77	0.036	0.021	0.021	Free Surface	2.049	0.067	0.009	0.045	0.065	2.072	2.295	Yes	0.052	1.651			
00568	367	366	8	190.02	0.016	0.021	0.021	Free Surface	1.539	0.082	0.014	0.054	0.065	1.411	1.523	Yes	0.062	1.271			
00569	366	368.00	8	352.61	0.028	0.042	0.042	Free Surface	2.326	0.099	0.02	0.066	0.092	1.934	2.038	Yes	0.07	2.029			
00570	368	365	8	270.92	0.028	0.062	0.062	Free Surface	2.609	0.121	0.031	0.08	0.113	1.96	2.018	Yes	0.099	1.927			
00571	365	364	8	201.05	0.01	0.083	0.083	Free Surface	1.986	0.177	0.069	0.118	0.131	1.221	1.211	Yes	0.23	0.771			
00572	364	369	8	120.83	0.008	0.582	0.582	Free Surface	3.193	0.517	0.529	0.345	0.358	1.076	1.099	No	0.345	3.193			
00573	461	251	8	353.06	0.008	0.25	0.25	Free Surface	2.572	0.322	0.225	0.215	0.231	1.147	1.113	No	0.215	2.572			
00574	467	466	8	159.66	0.068	0.013	0.013	Free Surface	2.189	0.046	0.004	0.03	0.05	2.693	3.153	Yes	0.057	0.86			
00575	2849	7	8	383.42	0.003	3.175	3.175	Pressurized	9.096	1	4.906	0.667	0.379	1.963	0.647	Yes	0.67	9.096	12.17	15	2
00576	125	500	8	177.77	0.087	0.008	0.008	Free Surface	2.098	0.035	0.002	0.024	0.041	2.938	3.574	Yes	0.047	0.751			
00577	126	540	8	334.35	0.031	0.041	0.041	Free Surface	2.399	0.096	0.019	0.064	0.092	2.023	2.139	Yes	0.092	1.424			
00578	540	539	8	188.81	0.004	0.055	0.055	Free Surface	1.299	0.179	0.07	0.119	0.106	0.796	0.789	No	0.119	1.299			
00579	539	535.00	12	71.78	0.005	0.069	0.069	Free Surface	1.438	0.111	0.026	0.111	0.107	0.919	2.633	Yes	0.133	1.112			
00580	535	541.00	8	316.35	0.003	0.082	0.082	Free Surface	1.351	0.231	0.117	0.154	0.13	0.723	0.705	No	0.15	1.351			
00581	541	542	8	81.19	0.226	0.096	0.096	Free Surface	6.188	0.09	0.017	0.06	0.141	5.404	5.763	Yes	0.071	4.858			
00582	538	536	8	303.2	0.08	0.008	0.008	Free Surface	2	0.035	0.002	0.023	0.039	2.807	3.417	Yes	0.032	1.25			
00583	537	536	8	216.52	0.008	0.008	0.008	Free Surface	0.911	0.06	0.007	0.04	0.039	0.979	1.103	Yes	0.04	0.894			
00584	536	543	8	238.93	0.042	0.023	0.023	Free Surface	2.239	0.068	0.009	0.046	0.069	2.246	2.484	Yes	0.05	1.932			
00585	413	414	8	291.69	0.02	0.004	0.004	Free Surface	1.045	0.037	0.003	0.025	0.03	1.431	1.729	Yes	0.031	0.751			
00586	414	415	8	152.55	0.016	0.009	0.009	Free Surface	1.196	0.054	0.006	0.036	0.042	1.354	1.548	Yes	0.048	0.771			
00587	415	431	8	216.9	0.011	0.022	0.022	Free Surface	1.377	0.091	0.017	0.061	0.066	1.195	1.272	No	0.061	1.377			
00588	431	428	8	119.23	0.02	0.026	0.026	Free Surface	1.776	0.087	0.015	0.058	0.073	1.581	1.694	Yes	0.08	1.106			
00589	428	416	8	389.05	0.006	0.048	0.048	Free Surface	1.422	0.153	0.05	0.102	0.099	0.945	0.95	Yes	0.103	1.39			
00590	416	422	8	212.68	0.006	0.052	0.052	Free Surface	1.483	0.157	0.054	0.105	0.103	0.971	0.972	No	0.105	1.483			
00591	427	429	8	176.84	0.006	0.009	0.009	Free Surface	0.835	0.069	0.009	0.046	0.042	0.837	0.925	Yes	0.048	0.782			
00592	426	427	8	126.75	0.007	0.004	0.004	Free Surface	0.719	0.048	0.004	0.032	0.03	0.867	1.01	Yes	0.04	0.534			
00593	430	429	8	247.92	0.045	0.004	0.004	Free Surface	1.372	0.031	0.002	0.021	0.03	2.06	2.559	Yes	0.035	0.615			
00594	1395	1343	8	136.25	0.003	0.081	0.081	Free Surface	1.357	0.227	0.113	0.152	0.129	0.732	0.714	Yes	0.281	0.579			
00595	1396	1395	8	374.5	0.032	0.075	0.075	Free Surface	2.903	0.127	0.035	0.085	0.124	2.12	2.17	Yes	0.116	1.85			
00596	1397	1396	8	398.99	0.033	0.069	0.069	Free Surface	2.864	0.122	0.031	0.081	0.119	2.141	2.203	Yes	0.082	2.842			
00597	1398	1397	8	79.31	0.013	0.064	0.064	Free Surface	2.039	0.145	0.045	0.097	0.114	1.394	1.407	No	0.097	2.039			
00598	1401	1398	8	400.72	0.052	0.023	0.023	Free Surface	2.416	0.065	0.008	0.043	0.068	2.492	2.776	Yes	0.069	1.2			
00599	1399	1,398.00	8	105.19	0.008	0.035	0.035	Free Surface	1.444	0.121	0.031	0.081	0.084	1.082	1.114	Yes	0.088	1.269			
00600	1400	1399	8	398.81	0.036	0.029	0.029	Free Surface	2.267	0.079	0.013	0.052	0.077	2.119	2.3	Yes	0.065	1.661			
00601	1406	1400	8	181.68	0.067	0.023	0.023	Free Surface	2.628	0.061	0.007	0.041	0.068	2.791	3.134	Yes	0.048	2.037			
00602	1407	1406	8	179.8	0.083	0.017	0.017	Free Surface	2.592	0.051	0.005	0.034	0.059	3.023	3.484	Yes	0.037	2.251			
00603	1402	1,401.00	8	262.55	0.061	0.017	0.017	Free Surface	2.331	0.055	0.006	0.036	0.059	2.621	2.99	Yes	0.04	2.017			
00604	1403	1402	8	146.59	0.045	0.012	0.012	Free Surface	1.856	0.048	0.004	0.032	0.048	2.217	2.574	Yes	0.036	1.567			
00605	1405	1407	8	114.24	0.093	0.012	0.012	Free Surface	2.386	0.041	0.003	0.027	0.048	3.105	3.695	Yes	0.03	2.164			
00606	1404	1405	8	146.14	0.033	0.006	0.006	Free Surface	1.346	0.038	0.003	0.025	0.034	1.825	2.199	Yes	0.027	1.181			
00607	1347	2635	8	17.39	0.003	0.058	0.058	Free Surface	1.15	0.202	0.089	0.134	0.109	0.661	0.65	Yes	0.667	0.166			
00608	1363	1362	8	192.5	0.043	0.543	0.543	Free Surface	5.762	0.315	0.215	0.21	0.346	2.603	2.524	Yes	0.217	5.513			
00609	1364	1363	8	166.89	0.053	0.537	0.537	Free Surface	6.188	0.297	0.192	0.198	0.344	2.889	2.799	Yes	0.203	5.97			
00610	1727	1345	8	471.55	0.026	0.944	0.944	Free Surface	5.543	0.49	0.484	0.327	0.461	1.933	1.951	Yes	0.348	5.125			
00611	1368	1641	8	194.71	0.083	0.029	0.029	Free Surface	3.033	0.065	0.008	0.043	0.077	3.134	3.492	Yes	0.049	2.485			
00612	1641	1359	8	384.37	0.033	0.035	0.035	Free Surface	2.315	0.088	0.016	0.058	0.084	2.047	2.19	Yes	0.071	1.754			
00613	1359	1358	8	162.76	0.008	0.04	0.04	Free Surface	1.49	0.132	0.037	0.088	0.091	1.069	1.091	No	0.088	1.49			
00614	1358	1357	8	236.71	0.036	0.046	0.046	Free Surface	2.602	0.099	0.02	0.066	0.097	2.168	2.285	Yes	0.084	1.811			
00615	429	428	8	350.68	0.016	0.017	0.017	Free Surface	1.468	0.075	0.011	0.05	0.059	1.407	1.537	Yes	0.076	0.793			
00616	424	425	8	330.17	0.025	0.009	0.009	Free Surface	1.394	0.049	0.005	0.032	0.042	1.663	1.93	Yes	0.035	1.254			
00617	423	424	8	119.10	0.052	0.004	0.004	Free Surface	1.445	0.03	0.002	0.02	0.03	2.208	2.758	Yes	0.026	0.96			
00618	421	422.00	8	136.51	0.003	0.013	0.013	Free Surface	0.716	0.1	0.021	0.067	0.051	0.591	0.622	Yes	0.079	0.563			
00619	420	421	8	303.45	0.023	0.009	0.009	Free Surface	1.352	0.05	0.005	0.033	0.042	1.596	1.847	Yes	0.05	0.733			
00620	419	420	8	218.82	0.072	0.004	0.004	Free Surface	1.62	0.028	0.001	0.018	0.03	2.573	3.253	Yes	0.03	0.982			
00621	317	316	12	250.5	0.004	1.073	1.073	Free Surface	2.827	0.487	0.478	0.487	0.436	0.808	2.246	No	0.487	2.827			
00622	318	317	12	248.25	0.012	1.069	1.069	Free Surface	4.291	0.354	0.269	0.354	0.435	1.482	3.972	Yes	0.421	3.408			
00623	319	318	12	350.87	0.009	1.065	1.065	Free Surface	3.82	0.385	0.314	0.385	0.434	1.258	3.39	No	0.385	3.82			
00624	104	103	12	191.63	0.014	1.008	1.008	Free Surface	4.372	0.335	0.242	0.335	0.422	1.559	4.169	Yes	0.813	1.475			
00625	105	104	12	189.21	0.022	1.004	1.004	Free Surface	5.195	0.295	0.189	0.295	0.421	1.988	5.31	Yes	0.315	4.74			
00626	102	105	12	196.9	0.041	0.999	0.999	Free Surface	6.475	0.251	0.138	0.251	0.42	2.704	7.241	Yes	0.273	5.744			
00627	320	102	12	258.68	0.021	0.995	0.995	Free Surface	5.119	0.296	0.191	0.296	0.419	1.955	5.22	No	0.296	5.119			
00628	438	319	12	364.47	0.022	1.06	1.06	Free Surface	5.252	0.304	0.201	0.304	0.433	1.976	5.276	Yes	0.344	4.423			
00629	439	438	12	12.66	0.041	1.017	1.017	Free Surface	6.506	0.253	0.14	0.253	0.424	2.704	7.24	Yes	0.279	5.689			
00630	103	439	12	186.34	0.003	1.013	1.013	Free Surface	2.391	0.531	0.553	0.531	0.423	0.647	1.832	No	0.531	2.391			
00631	2460	2,459.00	8	247.88	0.004	0.027	0.027	Free Surface	1.057	0.128	0.035	0.085	0.075	0.771	0.789	Yes	0.11	0.716			
00632	677	678	8	279.17	0.031	0.014	0.014	Free Surface	1.71	0.057	0.006	0.038	0.053	1.874	2.123	Yes	0.095	0.447			
00633	294	295	8	222.51	0.026	0.099	0.099	Free Surface	2.926	0.153	0.05	0.102	0.143	1.945	1.954	Yes	0.103	2.874			
00634	2373	2382	8	298.44	0.027	0.039	0.039	Free Surface	2.227	0.097	0.02	0.065	0.089	1.868	1.973	Yes	0.119	0.919			
00635	1620	2383	8	376.39	0.01	0.017	0.017	Free Surface	1.222	0.082	0.014	0.055	0.058	1.117	1.205	No	0.055	1.222			
00636	1631	1728	10	267.37	0.006	1.163	1.163	Free Surface	3.279	0.619	0.704	0.516	0.481	0.873	1.651	Yes	0.549	3.053			
00638	1557	1554	8	167.48	0.042	0.082	0.082	Free Surface	3.284	0.124	0.033	0.083	0.13	2.433	2.498	Yes	0.089	2.965			
00640	1635	1634	8	474.96	0.026	0.58	0.58	Free Surface	4.906	0.372	0.294	0.248	0.358	2.019	1.97	Yes	0.284	4.092			
00641	1123	1124	21	362.8	0.003	12.684	12.684	Pressurized	5.273	1	1.459	1.75	1.095	0.702	8.692	Yes	1.75	5.273	20.45	21	2
00642	1124	1120	21	409.27	0.002	12.688	12.688	Pressurized	5.275	1	1.819	1.75	0.977	0.703	6.976	Yes	1.75	5.275	22.07	24	2
00643	1634	1614	8	387.79	0.011	0.588	0.588	Free Surface	3.557	0.479	0.465	0.319	0.36	1.259	1.265	No	0.319	3.557			
00644	1614	1615	8	331.91	0.012	0.596	0.596	Free Surface	3.658	0.474	0.456	0.316	0.363	1.303	1.307	No	0.316	3.658			
00645	1564	1558	8	134.2	0.036	0.098	0.098	Free Surface	3.285	0.14	0.042	0.094	0.142	2.281	2.311	Yes	0.106	2.751			
00646	543	675	8	242.89	0.031	0.031	0.031	Free Surface	2.2	0.084	0.014	0.056	0.079	1.988	2.138	Yes	0.112	0.796			
00647	508	676	8	211.65	0.01	0.261	0.261	Free Surface	2.764	0.316	0.216	0.21	0.236	1.247	1.209	No	0.21	2.764			
00648	676	675	8	273.77	0.067	0.269	0.269	Free Surface	5.489	0.198	0.086	0.132	0.24	3.186	3.134	Yes	0.15	4.557			
00649	675	694	8	358.98	0.035	0.308	0.308	Free Surface	4.544	0.249	0.135	0.166	0.257	2.336	2.271	Yes	0.174	4.257			
00650	694	692	8	326.32	0.034	0.346	0.346	Free Surface	4.665	0.266	0.154	0.177	0.273	2.315	2.246	Yes	0.20	3.843			
00651	693	692	8	362.03	0.064	0.077	0.077	Free Surface	3.737	0.109	0.025	0.073	0.126	2.951	3.073	Yes	0.151	1.301			

00652	692	570	8	160.85	0.02	0.432	0.432	Free Surface	4.108	0.341	0.25	0.227	0.307	1.775	1.725	No	0.227	4.108			
00653	570	571	8	132.92	0.034	0.455	0.455	Free Surface	5.015	0.306	0.204	0.204	0.315	2.301	2.23	Yes	0.206	4.946			
00654	571	572	8	294.14	0.033	0.463	0.463	Free Surface	5.012	0.31	0.209	0.207	0.318	2.283	2.213	Yes	0.209	4.939			
00655	572	568	8	297.42	0.034	0.47	0.47	Free Surface	5.047	0.313	0.212	0.208	0.321	2.29	2.22	Yes	0.21	4.996			
00656	715	716	8	249.49	0.017	0.136	0.136	Free Surface	2.775	0.198	0.086	0.132	0.169	1.609	1.583	Yes	0.147	2.389			
00657	716	807	8	401.9	0.008	0.147	0.147	Free Surface	2.185	0.247	0.134	0.165	0.175	1.127	1.096	No	0.165	2.185			
00658	807	808	8	169.47	0.025	0.157	0.157	Free Surface	3.293	0.194	0.083	0.13	0.182	1.93	1.901	Yes	0.14	2.98			
00660	808	710	8	242.93	0.016	0.168	0.168	Free Surface	2.908	0.222	0.108	0.148	0.188	1.588	1.552	Yes	0.155	2.713			
00661	710	809.00	8	77.04	0.014	0.178	0.178	Free Surface	2.803	0.238	0.124	0.158	0.194	1.476	1.438	No	0.16	2.803			
00662	809	810	8	401.43	0.019	0.189	0.189	Free Surface	3.156	0.228	0.114	0.152	0.199	1.701	1.66	No	0.152	3.156			
00663	810	708	8	220.87	0.026	0.199	0.199	Free Surface	3.592	0.216	0.102	0.144	0.205	1.991	1.948	Yes	0.159	3.126			
00664	708	709	8	59.03	0.014	0.21	0.21	Free Surface	2.934	0.258	0.146	0.172	0.211	1.478	1.435	No	0.172	2.934			
00665	575	720	8	230.38	0.026	0.316	0.316	Free Surface	4.129	0.271	0.161	0.181	0.26	2.026	1.965	No	0.181	4.129			
00666	720	646	8	226.04	0.033	0.343	0.343	Free Surface	4.606	0.266	0.155	0.177	0.272	2.283	2.214	Yes	0.18	4.505			
00667	646	645	8	220.73	0.033	0.357	0.357	Free Surface	4.624	0.273	0.163	0.182	0.278	2.261	2.192	Yes	0.184	4.554			
00668	645	644.00	8	316.88	0.034	0.398	0.398	Free Surface	4.84	0.286	0.178	0.19	0.294	2.308	2.237	Yes	0.19	4.781			
00669	644	642	8	319.15	0.033	0.412	0.412	Free Surface	4.811	0.294	0.188	0.196	0.299	2.259	2.189	No	0.196	4.811			
00670	642	641	8	148.02	0.035	0.425	0.425	Free Surface	4.995	0.293	0.187	0.195	0.304	2.35	2.277	Yes	0.667	1.219			
00671	641	638	8	171.23	0.05	0.439	0.439	Pressurized	5.688	0.273	0.163	0.182	0.309	2.78	2.696	Yes	0.667	1.258			
00672	534	655	8	222.81	0.022	0.054	0.054	Free Surface	2.312	0.119	0.03	0.079	0.105	1.748	1.802	No	0.079	2.312			
00673	830	654	8	330.94	0.076	0.005	0.005	Free Surface	1.682	0.028	0.001	0.019	0.03	2.65	3.342	Yes	0.032	0.738			
00674	654	151	8	247.87	0.008	0.009	0.009	Free Surface	0.941	0.066	0.009	0.044	0.043	0.962	1.069	Yes	0.192	0.111			
00675	542	832	8	187.59	0.073	0.11	0.11	Free Surface	4.334	0.126	0.034	0.084	0.151	3.189	3.269	Yes	0.092	3.785			
00676	652	648	8	428.94	0.033	0.144	0.144	Free Surface	3.555	0.174	0.066	0.116	0.174	2.209	2.194	Yes	0.13	2.904			
00677	568	579	8	158.12	0.032	0.486	0.486	Free Surface	4.985	0.323	0.226	0.215	0.326	2.222	2.154	Yes	0.328	2.842			
00678	579	581	8	45.72	0.042	0.494	0.494	Free Surface	5.555	0.302	0.198	0.201	0.329	2.569	2.489	Yes	0.241	4.329			
00679	717	718	8	280.72	0.035	0.008	0.008	Free Surface	1.51	0.043	0.003	0.028	0.039	1.927	2.28	Yes	0.113	0.199			
00680	665	663	8	52.18	0.039	1.182	1.182	Pressurized	6.827	0.497	0.495	0.331	0.515	2.361	2.39	Yes	0.667	3.386			
00681	832	2459	8	300.8	0.04	0.124	0.124	Free Surface	3.641	0.153	0.051	0.102	0.16	2.415	2.426	Yes	0.12	2.894			
00682	151	665	8	194.38	0.035	1.177	1.177	Free Surface	6.576	0.51	0.517	0.34	0.514	2.236	2.276	Yes	0.667	3.373			
00683	2459	679	8	235.61	0.021	0.165	0.165	Free Surface	3.169	0.206	0.093	0.138	0.186	1.8	1.766	No	0.138	3.169			
00684	679	678	8	247.21	0.03	0.178	0.178	Free Surface	3.658	0.197	0.085	0.132	0.194	2.126	2.092	Yes	0.142	3.277			
00685	7	6.00	8	401.49	0.004	3.182	3.182	Pressurized	9.115	1	4.268	0.667	0.408	1.967	0.745	Yes	0.67	9.115	11.54	12	2
00686	6	5	8	394.82	0.004	3.188	3.188	Pressurized	9.134	1	4.342	0.667	0.405	1.971	0.734	Yes	0.667	9.134	11.55	12	2
00688	3	195	18	341.57	0.006	10.372	10.372	Pressurized	5.869	1	1.321	1.5	1.086	0.845	7.851	Yes	1.50	5.869	16.66	18	2
00689	195	196.00	18	507.20	0.01	10.383	10.383	Pressurized	5.876	1	1.007	1.5	1.235	0.845	10.309	Yes	1.50	5.876	15.14	18	2
00690	271	51	12	423.57	0.005	0.609	0.609	Pressurized	2.556	0.343	0.253	0.343	0.325	0.899	2.406	Yes	1	0.776			
00691	51	52	12	419.96	0.005	0.62	0.62	Pressurized	2.582	0.345	0.256	0.345	0.328	0.905	2.424	Yes	1	0.79			
00692	52	53	12	419.45	0.004	0.632	0.632	Pressurized	2.524	0.355	0.271	0.355	0.331	0.87	2.332	Yes	1	0.804			
00693	269	270	8	424.91	0.016	0.086	0.086	Free Surface	2.362	0.161	0.056	0.107	0.133	1.528	1.528	Yes	0.251	0.714			
00694	280	279	8	226.8	0.005	0.411	0.411	Free Surface	2.471	0.481	0.468	0.321	0.299	0.872	0.877	No	0.321	2.471			
00695	278	279	8	172.03	0.027	0.045	0.045	Free Surface	2.347	0.104	0.023	0.069	0.096	1.905	1.996	Yes	0.169	0.648			
00696	277	278	8	182.6	0.006	0.034	0.034	Free Surface	1.235	0.132	0.037	0.088	0.083	0.885	0.902	No	0.088	1.235			
00697	270	271	8	294.13	0.005	0.564	0.564	Free Surface	2.638	0.589	0.653	0.393	0.353	0.814	0.864	Yes	0.667	1.616			
00698	272	271	8	59.9	0.161	0.034	0.034	Free Surface	4.005	0.059	0.007	0.04	0.083	4.317	4.867	Yes	0.667	0.097			
00699	276	277	8	109.6	0.004	0.022	0.022	Free Surface	0.991	0.116	0.029	0.078	0.067	0.759	0.784	Yes	0.082	0.909			
00700	719	720	8	234.54	0.006	0.014	0.014	Free Surface	0.955	0.085	0.015	0.057	0.053	0.856	0.919	Yes	0.117	0.333			
00701	661	833	8	340.48	0.029	0.014	0.014	Free Surface	1.68	0.058	0.007	0.039	0.053	1.831	2.07	Yes	0.055	0.996			
00702	273	272	8	107.36	0.008	0.022	0.022	Free Surface	1.264	0.099	0.02	0.066	0.067	1.053	1.11	No	0.066	1.264			
00703	275	276	8	97.12	0.008	0.011	0.011	Free Surface	1.006	0.072	0.01	0.048	0.048	0.984	1.08	Yes	0.064	0.662			
00704	274	273	8	97.32	0	0.011	0.011	Free Surface	0.347	0.149	0.048	0.099	0.048	0.234	0.236	No	0.099	0.347			
00706	269	280	8	95.36	0.036	0.13	0.13	Free Surface	3.571	0.161	0.056	0.107	0.164	2.311	2.311	Yes	0.214	1.341			
00707	281	280.00	8	217.78	0.005	0.27	0.27	Free Surface	2.182	0.385	0.313	0.256	0.24	0.881	0.861	Yes	0.289	1.864			
00708	282	281	8	64.45	0.003	0.214	0.214	Free Surface	1.715	0.387	0.317	0.258	0.213	0.69	0.675	No	0.258	1.715			
00709	121	282	8	104.95	0.009	0.112	0.112	Free Surface	2.089	0.212	0.098	0.141	0.153	1.171	1.147	Yes	0.199	1.282			
00710	118	121.00	8	48.30	0	0.079	0.079	Free Surface	0.483	0.474	0.456	0.316	0.127	0.172	0.173	No	0.316	0.483			
00711	117	118	8	66.47	0.011	0.067	0.067	Free Surface	1.902	0.158	0.054	0.105	0.118	1.241	1.243	Yes	0.211	0.713			
00712	116	117	8	76.01	0.013	0.056	0.056	Free Surface	1.934	0.138	0.041	0.092	0.107	1.355	1.375	Yes	0.098	1.752			
00713	115	116	8	70.27	0.01	0.045	0.045	Free Surface	1.64	0.133	0.038	0.088	0.096	1.173	1.195	Yes	0.092	1.541			
00714	112	115	8	142.46	0.012	0.034	0.034	Free Surface	1.6	0.111	0.026	0.074	0.083	1.256	1.306	Yes	0.079	1.449			
00715	111	112	8	52.27	0.021	0.022	0.022	Free Surface	1.742	0.079	0.013	0.053	0.067	1.622	1.758	Yes	0.064	1.325			
00716	110	111	8	54.29	0.043	0.011	0.011	Free Surface	1.805	0.048	0.004	0.032	0.048	2.157	2.504	Yes	0.042	1.231			
00717	119	120	8	72.33	0.009	0.011	0.011	Free Surface	1.066	0.069	0.01	0.046	0.048	1.064	1.175	Yes	0.058	0.751			
00718	120	121	8	375.12	0.006	0.022	0.022	Free Surface	1.143	0.106	0.023	0.07	0.067	0.919	0.961	Yes	0.106	0.633			
00719	122	281	8	189.69	0.017	0.045	0.045	Free Surface	1.974	0.117	0.029	0.078	0.096	1.508	1.559	Yes	0.167	0.657			
00720	123	122	8	79.2	0.018	0.034	0.034	Free Surface	1.859	0.1	0.021	0.067	0.083	1.538	1.619	Yes	0.074	1.592			
00721	2	1	8	75.26	0.012	0.011	0.011	Free Surface	1.166	0.065	0.008	0.043	0.048	1.2	1.336	Yes	0.063	0.669			
00722	1	123.00	8	68.11	0.004	0.022	0.022	Free Surface	0.976	0.118	0.029	0.078	0.067	0.743	0.767	No	0.078	0.976			
00723	283	282	8	118.7	0.006	0.09	0.09	Free Surface	1.679	0.211	0.097	0.141	0.136	0.943	0.924	Yes	0.199	1.028			
00724	285	283	8	72.03	0.007	0.079	0.079	Free Surface	1.766	0.185	0.075	0.124	0.127	1.061	1.049	Yes	0.132	1.606			
00726	286	285	8	155.11	0.007	0.067	0.067	Free Surface	1.686	0.172	0.064	0.115	0.118	1.054	1.048	Yes	0.119	1.596			
00727	287	286	8	64.1	0.005	0.056	0.056	Free Surface	1.37	0.175	0.067	0.117	0.107	0.849	0.843	No	0.117	1.37			
00728	288	287.00	8	88.34	0.003	0.045	0.045	Free Surface	1.031	0.183	0.073	0.122	0.096	0.625	0.618	No	0.122	1.031			
00729	289	288	8	58.9	0.03	0.034	0.034	Free Surface	2.225	0.088	0.016	0.059	0.083	1.96	2.094	Yes	0.09	1.191			
00730	290	289	8	71.29	0.018	0.011	0.011	Free Surface	1.331	0.06	0.007	0.04	0.048	1.433	1.615	Yes	0.047	1.024			
00731	291	289	8	44.98	0.031	0.011	0.011	Free Surface	1.616	0.052	0.005	0.035	0.048	1.859	2.135	Yes	0.045	1.107			
00732	210	209	8	163.22	0.021	0.027	0.027	Free Surface	1.843	0.085	0.015	0.057	0.073	1.651	1.772	Yes	0.065	1.522			
00734	264	263	8	397.25	0.036	0.011	0.011	Free Surface	1.667	0.049	0.005	0.033	0.046	1.976	2.289	Yes	0.03	1.559			
00735	263	261	8	101.97	0.063	0.021	0.021	Free Surface	2.509	0.06	0.007	0.04	0.066	2.699	3.041	Yes	0.06	1.37			
00736	261	260	8	272.43	0.006	0.027	0.027	Free Surface	1.171	0.116	0.029	0.078	0.073	0.895	0.926	Yes	0.081	1.105			
00737	260	258	8	190.42	0.006	0.032	0.032	Free Surface	1.252	0.126	0.034	0.084	0.08	0.92	0.943	No	0.084	1.252			
00738	209	208	8	91.05	0.013	0.032	0.032	Free Surface	1.627	0.105	0.023	0.07	0.08	1.31	1.37	No	0.07	1.627			
00739	205	18	8	118.3	0.005	0.016	0.016	Free Surface	0.983	0.093	0.018	0.062	0.057	0.846	0.898	Yes	0.089	0.575			
00740	48	237	8	152.96	0.005	0.005	0.005	Free Surface	0.684	0.056	0.006	0.037	0.033	0.758	0.861	Yes	0.044	0.535			
00741	237	205	8	126.61	0.007	0.011	0.011	Free Surface	0.955	0.072	0.01	0.048	0.046	0.936	1.028	Yes	0.06	0.763			
00742	258	259	8	185.19	0.112	0.037	0.037	Free Surface	3.639	0.068	0.009	0.045	0.087	3.67	4.063	Yes	0.047	3.377			
00743	594	836.00	8	206.48	0.036	0.033	0.033	Free Surface	2.352	0.084	0.014	0.056	0.082	2.125	2.286	Yes	0.082	1.351			
00744	598	595	8	192.73	0.008	0.022	0.022	Free Surface	1.224	0.1	0.021	0.066	0.067	1.015	1.068	Yes	0.068	1.191			
00745	2825	598	8	275.85	0.002	0.011	0.011	Free Surface	0.61	0.1	0.021	0.066	0.047	0.505	0.532	Yes	0.067	0.598			
00746	838	594	8	299.4	0.051	0.022	0.022	Free Surface	2.356	0.064	0.008	0.043	0.067	2.449	2.733	Yes	0.051	1.826			
00747	839	838	8	350.87	0.024	0.011	0.011	Free Surface	1.469	0.055	0.006	0.037	0.047	1.647	1.877	Yes	0.04	1.31			
00748	690	691	8	283.77	0.057	0.015	0.015	Free Surface	2.19	0.052	0.005	0.035	0.056	2.517	2.89	Yes	0.056	1.076			
00749	691	701	8	279.9	0.008	0.031	0.031	Free Surface	1.378	0.115	0.028	0.076	0.079	1.063	1.101	Yes	0.077	1.361			
00750	700	701	8	120.31	0.026	0.015	0.015	Free Surface	1.666	0.063	0.008	0.042	0.056	1.745	1.951	Yes	0.06	0.986			
00751	701	702	8	400.94	0.031	0.061	0.061	Free Surface	2.704	0.116	0.029	0.077	0.112	2.071	2.141	Yes	0.09	2.182			
00752	703	702	8	289.65	0.014	0.015	0.015	Free Surface	1.343	0.073	0.011	0.049	0.056	1.305	1.431	Yes	0.075	0.705			
00753	840	702	8	279.81	0.006	0.015	0.015	Free Surface	0.986	0.09	0.017	0.06	0.056	0.861	0.919	Yes	0.081	0.634			
00754	702	591	8	284.34	0.028	0.107	0.107	Free Surface	3.086	0.156	0.053	0.104	0.149	2.031	2.037	Yes	0.105	3.034			
00755	591	841	8	300.58	0.028	0.122	0.122	Free Surface	3.204	0.166	0.06	0.111	0.16	2.036	2.03	Yes	0.116	3.023			
00756	841	593	8	299.35	0.027	0.138	0.138	Free Surface	3.256	0.179	0.07	0.119	0.17	1.995	1.977	Yes	0.124	3.06			
00757	590	593	8	324.88	0.015	0.015	0.015	Free Surface	1.374	0.072	0.01	0.048	0.056	1.347	1.479	Yes	0.089	0.554			
00758	593	592	8	323.98	0.031	0.168	0.168	Free Surface	3.654	0.19	0.079	0.126	0.188	2.17	2.141	Yes	0.142	3.097			
00759	724	603	8	226.48	0.03	0.214	0.214	Free Surface	3.882	0.215	0.101	0.143	0.213	2.157	2.111	Yes	0.155	3.469			
00760	592	724	8	136.33	0.015	0.183	0.183	Free Surface	2.874	0.238	0.125	0.159	0.197	1.511	1.472	No	0.159	2.874			
00761	603	604	8	218	0.021	0.229	0.229	Free Surface	3.49	0.243	0.13	0.162	0.221	1.815	1.766	Yes	0.163	3.472			
00762	604	605	8	259.64	0.03	0.275	0.275	Free Surface	4.176	0.244	0.13	0.163	0.242	2.17	2.111	Yes	0.184	3.51			
00763	605	606	8	222.14	0.014	0.29	0.29	Free Surface	3.195	0.307	0.205	0.205	0.249	1.465	1.419	Yes	0.219	2.904			
00764	606	612	8	235.68	0.026	0.525	0.525	Free Surface	4.767	0.353	0.267	0.235	0.34	2.021	1.966	No	0.235	4.767			
00765	612	608	8	242.2	0.034	0.54	0.54	Free Surface	5.273	0.335	0.242	0.223	0.345	2.303	2.235	Yes	0.223	5.273			
00766	608	611	8	319.51	0.047	0.617	0.617	Free Surface	6.151	0.329	0.234	0.22	0.369	2.71	2.63	Yes	0.236	5.573			
00767	611	625	8	175.19	0.029	0.632	0.632	Free Surface	5.214	0.379	0.305	0.253	0.374	2.123	2.073	Yes	0.255	5.146			
00768	625	1647	8	228.06	0.029	0.647	0.647	Free Surface	5.203	0.386	0.316	0.257	0.379	2.095	2.049	Yes	0.354	3.431			
00769	684	683	8	279.12	0.011	0.011	0.011	Free Surface	1.113	0.066	0.009	0.044	0.047	1.138	1.264	No	0.04	1.113			
00770	683	842	8	341.58	0.049	0.022	0.022	Free Surface	2.313	0.064	0.008	0.043	0.067	2.396	2.671	Yes	0.052	1.76			
00771	842	334	8	342.34	0.026	0.033	0.033	Free Surface	2.097	0.09	0.017	0.06	0.082	1.826	1.946	Yes	0.066	1.843			
00772	335	334	8	298.56	0.039	0.011	0.011	Free Surface	1.732	0.049	0.005	0.033	0.047	2.058	2.386	Yes	0.052	0.869			
00773	589	722	8	231.42	0.014	0.11	0.11	Free Surface	2.429	0.187	0.076	0.125	0.151	1.453	1.435	No	0.125	2.429			
00774	843	589	8	226.89	0.016	0.099	0.099	Free Surface	2.492	0.171	0.063	0.114	0.143	1.564	1.556	Yes	0.12	2.301			
00775	587	843	8	299.7	0.025	0.077	0.077	Free Surface	2.684	0.136	0.04	0.091	0.126	1.893	1.924	Yes	0.104	2.197			
00776	588	587	8	300.83	0.026	0.066	0.066	Free Surface	2.577	0.126	0.034	0.084	0.116	1.891	1.938	Yes	0.09	2.349			
00777	334	588	8	284.94	0.031	0.055	0.055	Free Surface	2.614	0.11	0.026	0.073	0.106	2.056	2.139	Yes	0.08	2.322			
00778	721	722	8	276.79	0.01	0.011	0.011	Free Surface	1.096	0.067	0.009	0.044	0.047	1.113	1.235	Yes	0.075	0.507			
00779	723	724	8	274.13	0.029	0.015	0.015	Free Surface	1.736	0.061	0.007	0.041	0.056	1.844	2.07	Yes	0.093	0.518			
00780	722	618	8	234.76	0.035	0.131	0.131	Free Surface	3.54	0.163	0.058	0.109	0.166	2.273	2.27	Yes	0.119	3.11			
00781	618	617	8	218.55	0.019	0.142	0.142	Free Surface	2.943	0.196	0.084	0.131	0.173	1.716	1.689	No	0.131	2.943			
00782	626	617	8	278.48	0.015	0.011	0.011	Free Surface	1.235	0.061	0.007	0.041	0.047	1.308	1.468	Yes	0.08	0.432			
00783	617	844	8	242.8	0.027	0.164	0.164	Free Surface	3.455	0.194	0.082	0.129	0.186	2.027	1.997	Yes	0.132	3.365			

00784	844	615	8	230.74	0.028	0.186	0.186	Free Surface	3.638	0.204	0.091	0.136	0.198	2.077	2.039	Yes	0.18	2.459			
00785	615	613	8	241.17	0.005	0.208	0.208	Free Surface	1.993	0.339	0.248	0.226	0.21	0.864	0.839	No	0.226	1.993			
00786	624	615	8	225.97	0.01	0.011	0.011	Free Surface	1.085	0.067	0.009	0.045	0.047	1.1	1.219	Yes	0.134	0.219			
00787	613	606	8	250.27	0.024	0.219	0.219	Free Surface	3.619	0.23	0.116	0.153	0.215	1.941	1.893	Yes	0.194	2.604			
00788	614	610	8	249.95	0.027	0.015	0.015	Free Surface	1.69	0.062	0.008	0.042	0.056	1.778	1.991	Yes	0.057	1.047			
00789	610	609	8	242.32	0.02	0.046	0.046	Free Surface	2.138	0.112	0.026	0.075	0.097	1.668	1.732	Yes	0.086	1.747			
00790	609	608	8	238.29	0.013	0.061	0.061	Free Surface	1.967	0.144	0.045	0.096	0.112	1.346	1.36	Yes	0.16	0.952			
00791	621	622	8	240.72	0.008	0.009	0.009	Pressurized	0.942	0.066	0.009	0.044	0.043	0.963	1.07	Yes	0.667	0.027			
00792	623	621	8	229.36	0.044	0.005	0.005	Free Surface	1.392	0.032	0.002	0.021	0.03	2.058	2.545	Yes	0.667	0.013			
00793	356	2833	8	314.64	0.019	0.042	0.042	Free Surface	2.028	0.109	0.025	0.072	0.092	1.608	1.676	Yes	0.667	0.119			
00794	342	341	8	272.35	0.018	0.187	0.187	Pressurized	3.085	0.23	0.116	0.153	0.199	1.654	1.613	Yes	0.667	0.536			
00795	341	340	8	193.03	0.012	0.208	0.208	Pressurized	2.766	0.268	0.157	0.178	0.21	1.366	1.325	Yes	0.667	0.595			
00796	350	351	8	319.11	0.027	2.401	2.401	Pressurized	6.878	1	1.211	0.667	0.625	1.484	1.983	No	0.667	6.878	7.26	8	2
00797	349	350	8	146.22	0.004	2.38	2.38	Pressurized	6.818	1	2.97	0.667	0.424	1.472	0.801	Yes	0.667	6.818	10.35	12	2
00798	352	349	8	204.86	0.005	2.359	2.359	Pressurized	6.759	1	2.787	0.667	0.436	1.459	0.847	Yes	0.67	6.759	9.89	10	2
00799	355	356.00	8	310.07	0.029	0.021	0.021	Free Surface	1.907	0.071	0.01	0.047	0.065	1.882	2.072	Yes	0.062	1.279			
00800	354	353	8	217.07	0.003	0.395	0.395	Pressurized	1.868	0.583	0.643	0.389	0.293	0.581	0.614	Yes	0.667	1.131			
00801	552	1140	8	230.12	0.112	0.125	0.125	Free Surface	5.238	0.12	0.031	0.08	0.161	3.94	4.058	Yes	0.095	4.117			
00802	554	705	8	154.06	0.032	0.021	0.021	Free Surface	1.966	0.069	0.01	0.046	0.065	1.96	2.163	Yes	0.07	1.018			
00803	704	705	8	178.79	0.03	0.042	0.042	Free Surface	2.369	0.098	0.02	0.065	0.092	1.982	2.092	Yes	0.082	1.699			
00804	370	704	8	232.38	0.035	0.021	0.021	Free Surface	2.033	0.068	0.009	0.045	0.065	2.05	2.27	Yes	0.054	1.574			
00805	343	342	8	149.9	0.05	0.104	0.104	Free Surface	3.739	0.134	0.038	0.089	0.147	2.662	2.711	Yes	0.667	0.298			
00806	346	345	8	107.05	0.02	0.021	0.021	Free Surface	1.658	0.078	0.012	0.052	0.065	1.56	1.695	Yes	0.066	1.169			
00807	668	666	8	232.72	0.06	0.43	0.43	Free Surface	6.042	0.257	0.145	0.172	0.306	3.048	2.96	Yes	0.667	1.231			
00808	667	666	8	10.39	0.019	1.251	1.251	Pressurized	5.277	0.643	0.744	0.428	0.529	1.527	1.681	Yes	0.667	3.584			
00809	666	674	8	281.35	0.01	1.687	1.687	Pressurized	4.833	1	1.41	0.667	0.518	1.043	1.197	No	0.667	4.833	9.93	10	1
00813	363	2,832.00	8	220.34	0.159	0.623	0.623	Free Surface	9.531	0.243	0.129	0.162	0.372	4.965	4.831	Yes	0.193	7.444			
00814	669	668	8	337.46	0.033	0.419	0.419	Free Surface	4.867	0.295	0.19	0.197	0.302	2.279	2.208	No	0.197	4.867			
00815	706	674	8	450.68	0.058	0.439	0.439	Free Surface	6.021	0.262	0.151	0.175	0.309	3.008	2.919	Yes	0.237	3.953			
00816	805	806	8	396.57	0.007	0.021	0.021	Free Surface	1.134	0.101	0.021	0.067	0.065	0.933	0.98	Yes	0.088	0.769			
00817	1058	1057	8	113.8	0.006	0.011	0.011	Free Surface	0.908	0.076	0.012	0.051	0.047	0.862	0.94	No	0.051	0.908			
00818	709	713	8	225.9	0.081	0.22	0.22	Free Surface	5.527	0.171	0.064	0.114	0.216	3.46	3.441	No	0.114	5.527			
00819	713	670	8	137.17	0.14	0.231	0.231	Free Surface	6.81	0.153	0.051	0.102	0.221	4.52	4.541	No	0.102	6.81			
00820	670	669	8	161.57	0.158	0.241	0.241	Free Surface	7.2	0.152	0.05	0.101	0.226	4.798	4.823	Yes	0.149	4.144			
00822	673	669	8	96.69	0.05	0.168	0.168	Free Surface	4.317	0.168	0.062	0.112	0.188	2.727	2.716	Yes	0.154	2.739			
00823	672	673	8	159.38	0.055	0.157	0.157	Free Surface	4.373	0.16	0.055	0.106	0.182	2.84	2.843	Yes	0.112	4.08			
00824	671	672	8	66.34	0.057	0.147	0.147	Free Surface	4.342	0.153	0.051	0.102	0.175	2.884	2.897	Yes	0.106	4.1			
00825	727	726	8	235.85	0.043	0.01	0.01	Free Surface	1.766	0.047	0.004	0.031	0.046	2.145	2.502	Yes	0.046	0.996			
00826	780	671	8	165.78	0.055	0.136	0.136	Free Surface	4.195	0.149	0.048	0.099	0.169	2.826	2.846	Yes	0.1	4.133			
00827	726	780	8	199.78	0.014	0.021	0.021	Free Surface	1.489	0.084	0.014	0.056	0.065	1.346	1.447	Yes	0.078	0.913			
00828	1075	1077	8	131.32	0.026	0.033	0.033	Free Surface	2.095	0.091	0.017	0.061	0.082	1.818	1.935	No	0.061	2.095			
00829	1072	1075	8	271.37	0.031	0.011	0.011	Free Surface	1.597	0.052	0.005	0.035	0.047	1.842	2.116	Yes	0.047	1.027			
00830	1077	1745	8	73.98	0.258	0.044	0.044	Free Surface	5.119	0.06	0.007	0.04	0.095	5.472	6.155	Yes	0.67	0.127			
00831	1745	1657	8	218.41	0.01	0.055	0.055	Free Surface	1.741	0.146	0.046	0.098	0.106	1.183	1.193	Yes	0.106	1.541			
00832	1657	1658	8	90.64	0.129	0.291	0.291	Free Surface	7.087	0.175	0.067	0.117	0.25	4.385	4.354	Yes	0.13	6.057			
00833	892	891	12	440.23	0.032	1.783	1.783	Free Surface	6.982	0.361	0.279	0.361	0.568	2.386	6.402	Yes	0.374	6.652			
00834	891	890	12	461.93	0.025	1.787	1.787	Free Surface	6.358	0.387	0.318	0.387	0.569	2.086	5.624	No	0.387	6.358			
00835	890	889	12	478.59	0.032	1.814	1.814	Free Surface	7.014	0.364	0.283	0.364	0.573	2.385	6.402	Yes	1	2.31			
00836	885	877.00	12	455.49	0.008	2.195	2.195	Pressurized	4.41	0.606	0.682	0.606	0.633	1.089	3.219	Yes	1.00	2.795			
00837	889	2960	12	273.63	0.005	2.091	2.091	Pressurized	3.484	0.714	0.859	0.714	0.618	0.753	2.434	Yes	1.00	2.662	9.45	10	2
00838	888	887	12	539.01	0.002	2.143	2.143	Pressurized	2.728	1	1.261	1	0.554	0.481	1.699	Yes	1.00	2.728	11.33	12	2
00839	2961	886	12	308.35	0.002	2.177	2.177	Pressurized	2.772	1	1.382	1	0.533	0.489	1.576	Yes	1.00	2.772	11.40	12	2
00840	886	885	12	96.59	0.011	2.189	2.189	Pressurized	4.97	0.548	0.582	0.548	0.632	1.317	3.762	Yes	1	2.787			
00841	861	860	8	190.18	0.035	0.004	0.004	Free Surface	1.21	0.031	0.002	0.02	0.028	1.82	2.263	Yes	0.024	0.93			
00842	860	857	8	251.76	0.019	0.008	0.008	Free Surface	1.212	0.049	0.005	0.033	0.039	1.442	1.672	No	0.033	1.212			
00843	857	858	8	196.02	0.034	0.011	0.011	Free Surface	1.685	0.051	0.005	0.034	0.048	1.954	2.248	Yes	0.038	1.462			
00844	858	859	8	201.1	0.024	0.015	0.015	Free Surface	1.625	0.064	0.008	0.043	0.056	1.687	1.882	Yes	0.049	1.313			
00845	859	2959	8	104.39	0.012	0.019	0.019	Free Surface	1.362	0.084	0.014	0.056	0.062	1.232	1.326	No	0.056	1.362			
00846	794	793	8	247.59	0.017	0.063	0.063	Free Surface	2.186	0.136	0.04	0.091	0.113	1.541	1.566	Yes	0.116	1.54			
00847	793	792.00	8	394.92	0.03	0.222	0.222	Free Surface	3.929	0.219	0.105	0.146	0.217	2.164	2.116	No	0.15	3.929			
00848	792	787	8	271.49	0.072	0.239	0.239	Free Surface	5.442	0.183	0.073	0.122	0.225	3.289	3.253	Yes	0.125	5.244			
00849	790	791	8	156.81	0.085	0.006	0.006	Free Surface	1.864	0.03	0.002	0.02	0.034	2.836	3.537	Yes	0.052	0.448			
00850	791	793	8	133.82	0.118	0.153	0.153	Free Surface	5.671	0.131	0.037	0.088	0.179	4.077	4.159	Yes	0.114	3.86			
00851	787	786	8	260.92	0.074	0.25	0.25	Free Surface	5.558	0.187	0.076	0.124	0.231	3.328	3.288	Yes	0.128	5.344			
00852	904	786	8	159.18	0.04	0.006	0.006	Free Surface	1.435	0.036	0.002	0.024	0.034	1.999	2.428	Yes	0.078	0.251			
00853	786	903	8	130.15	0.072	0.261	0.261	Free Surface	5.59	0.192	0.08	0.128	0.236	3.3	3.254	Yes	0.142	4.801			
00854	903	902	8	148.15	0.03	0.267	0.267	Free Surface	4.132	0.241	0.127	0.16	0.239	2.162	2.104	Yes	0.667	0.765			
00855	902	889	8	382.8	0.007	0.273	0.273	Pressurized	2.526	0.348	0.26	0.232	0.241	1.079	1.049	Yes	0.667	0.782			
00856	788	792	8	236.71	0.051	0.011	0.011	Free Surface	1.931	0.047	0.004	0.031	0.048	2.352	2.746	Yes	0.077	0.508			
00857	789	788	8	166.36	0.087	0.006	0.006	Free Surface	1.879	0.03	0.002	0.02	0.034	2.868	3.581	Yes	0.026	1.283			
00858	905	787	8	201.17	0.039	0.006	0.006	Free Surface	1.419	0.036	0.002	0.024	0.034	1.968	2.388	Yes	0.076	0.257			
00859	795	794	8	262.72	0.06	0.057	0.057	Free Surface	3.319	0.096	0.019	0.064	0.108	2.801	2.962	Yes	0.077	2.51			
00860	796	795	8	64.86	0.034	0.051	0.051	Free Surface	2.647	0.104	0.023	0.07	0.102	2.143	2.243	No	0.07	2.647			
00861	797	796	8	128.99	0.071	0.045	0.045	Free Surface	3.29	0.083	0.014	0.055	0.096	2.991	3.222	Yes	0.063	2.695			
00862	800	797	8	268.13	0.06	0.04	0.04	Free Surface	2.99	0.081	0.013	0.054	0.09	2.754	2.977	Yes	0.056	2.804			
00863	803	802	8	152.31	0.016	0.006	0.006	Free Surface	1.034	0.045	0.004	0.03	0.034	1.289	1.515	Yes	0.039	0.685			
00864	802	801	8	138.59	0.008	0.011	0.011	Free Surface	1.027	0.071	0.01	0.048	0.048	1.009	1.108	Yes	0.049	0.982			
00865	798	800	8	287.45	0.027	0.011	0.011	Free Surface	1.537	0.054	0.006	0.036	0.048	1.731	1.976	Yes	0.044	1.162			
00866	799	798	8	160.36	0.015	0.006	0.006	Free Surface	1.011	0.045	0.004	0.03	0.034	1.251	1.467	Yes	0.034	0.842			
00867	801	2871	8	168.68	0.015	0.017	0.017	Free Surface	1.41	0.076	0.012	0.051	0.059	1.342	1.463	No	0.051	1.41			
00868	881	882	8	124.02	0.016	0.006	0.006	Free Surface	1.055	0.044	0.004	0.03	0.034	1.316	1.546	Yes	0.03	1.034			
00869	878	879	8	370.91	0.01	0.006	0.006	Free Surface	0.876	0.05	0.005	0.034	0.034	1.026	1.184	Yes	0.041	0.658			
00871	883	886	8	181.7	0.075	0.006	0.006	Free Surface	1.795	0.031	0.002	0.021	0.034	2.68	3.324	Yes	0.667	0.017			
00872	945	944	8	90.84	0.032	0.046	0.046	Free Surface	2.515	0.101	0.021	0.067	0.097	2.071	2.177	Yes	0.085	1.795			
00873	1103	944	8	358.83	0.02	0.069	0.069	Free Surface	2.383	0.138	0.041	0.092	0.119	1.669	1.694	Yes	0.097	2.207			
00874	1093	1094	8	263.51	0.028	0.006	0.006	Free Surface	1.268	0.039	0.003	0.026	0.034	1.683	2.015	Yes	0.032	0.922			
00875	1094	1095	8	57.92	0.019	0.012	0.012	Free Surface	1.371	0.059	0.007	0.04	0.048	1.477	1.665	Yes	0.047	1.055			
00876	1095	1096	8	328.75	0.014	0.017	0.017	Free Surface	1.396	0.077	0.012	0.052	0.059	1.317	1.432	No	0.052	1.396			
00877	1099	1100	8	155.58	0.037	0.006	0.006	Free Surface	1.401	0.037	0.002	0.025	0.034	1.925	2.328	Yes	0.031	0.998			
00878	1098	1097	8	157.63	0.011	0.006	0.006	Free Surface	0.906	0.049	0.005	0.033	0.034	1.074	1.243	Yes	0.044	0.58			
00879	1096	1097	8	170.97	0.03	0.023	0.023	Free Surface	1.98	0.074	0.011	0.049	0.068	1.908	2.086	Yes	0.053	1.803			
00880	1091	1090	8	161.53	0.037	0.012	0.012	Free Surface	1.728	0.051	0.005	0.034	0.048	2.014	2.322	Yes	0.038	1.476			
00881	1086	945	8	166.33	0.024	0.041	0.041	Free Surface	2.193	0.101	0.021	0.067	0.091	1.804	1.895	Yes	0.068	2.178			
00882	1087	1086	8	114.63	0.023	0.035	0.035	Free Surface	2.049	0.095	0.019	0.064	0.084	1.736	1.838	Yes	0.064	2.016			
00883	1092	1,091.00	8	305.80	0.03	0.006	0.006	Free Surface	1.309	0.038	0.003	0.026	0.034	1.756	2.109	Yes	0.029	1.075			
00884	1090	1089	8	277.05	0.038	0.017	0.017	Free Surface	1.975	0.061	0.007	0.041	0.059	2.099	2.357	Yes	0.047	1.578			
00885	1097	1127	8	212.29	0.039	0.035	0.035	Free Surface	2.456	0.084	0.015	0.056	0.084	2.216	2.382	Yes	0.064	2.011			
00886	877	884	8	166.86	0.06	2.201	2.201	Free Surface	9.283	0.643	0.744	0.428	0.638	2.686	2.957	Yes	0.433	9.182			
00887	1128	2962	8	317.46	0.018	0.133	0.133	Free Surface	2.82	0.193	0.081	0.129	0.167	1.659	1.635	Yes	0.195	1.569			
00888	944	1128	8	270.36	0.042	0.122	0.122	Free Surface	3.689	0.15	0.049	0.1	0.159	2.473	2.489	Yes	0.114	3.045			
00889	946	1128	8	336.44	0.001	0.006	0.006	Free Surface	0.42	0.084	0.015	0.056	0.034	0.379	0.407	Yes	0.092	0.203			
00890	950	951	8	142.48	0.044	0.017	0.017	Free Surface	2.086	0.059	0.007	0.039	0.059	2.258	2.549	No	0.039	2.086			
00891	949	950	8	266.99	0.026	0.012	0.012	Free Surface	1.534	0.055	0.006	0.037	0.048	1.716	1.956	No	0.037	1.534			
00892	948	949	8	267.6	0.04	0.006	0.006	Free Surface	1.439	0.036	0.002	0.024	0.034	1.994	2.418	Yes	0.031	0.975			
00893	1125	952	8	324.15	0.07	0.029	0.029	Free Surface	2.858	0.067	0.009	0.045	0.077	2.893	3.206	Yes	0.065	1.637			
00894	951	1125	8	174.07	0.098	0.023	0.023	Free Surface	2.998	0.056	0.006	0.037	0.068	3.329	3.784	Yes	0.04	2.489			
00895	866	706	8	404.61	0.011	0.428	0.428	Free Surface	3.277	0.401	0.338	0.267	0.305	1.291	1.266	No	0.267	3.277			
00896	865	866	8	255.25	0.006	0.417	0.417	Free Surface	2.622	0.466	0.442	0.31	0.301	0.944	0.944	No	0.31	2.622			
00897	874	865	8	192.49	0.001	0.198	0.198	Free Surface	1.007	0.549	0.585	0.366	0.204	0.326	0.338	No	0.366	1.007			
00898	875	874	8	186.55	0.004	0.044	0.044	Free Surface	1.165	0.165	0.059	0.11	0.095	0.744	0.742	Yes	0.238	0.392			
00899	876	3008	8	521.53	0.026	0.022	0.022	Free Surface	1.864	0.075	0.011	0.05	0.067	1.79	1.956	Yes	0.069	1.145			
00900	1126	876	8	399.81	0.009	0.011	0.011	Free Surface	1.054	0.069	0.009	0.046	0.047	1.057	1.168	Yes	0.05	0.933			
00902	855	856	8	494.47	0.019	0.011	0.011	Free Surface	1.347	0.058	0.007	0.039	0.047	1.468	1.66	Yes	0.04	1.211			
00903	1131	851	8	455.88	0.02	0.022	0.022	Free Surface	1.71	0.079	0.013	0.053	0.067	1.595	1.729	Yes	0.067	1.21			
00904	1132	1131	8	315.51	0.02	0.011	0.011	Free Surface	1.376	0.057	0.006	0.038	0.047	1.511	1.712	Yes	0.045	1.069			
00905	851	850	8	371.24	0.007	0.033	0.033	Free Surface	1.314	0.125	0.033	0.083	0.082	0.97	0.995	No	0.083	1.314			
00906	850	853	8	332.83	0.041	0.044	0.044	Free Surface	2.682	0.093	0.018	0.062	0.095	2.299	2.44	Yes	0.102	1.302			
00907	816	817	8	138.57	0.009	0.01	0.01	Free Surface	1.014	0.068	0.009	0.045	0.046	1.019	1.127	Yes	0.049	0.901			
00908	817	818	8	400.11	0.017	0.021	0.021	Free Surface	1.586	0.081	0.013	0.054	0.065	1.464	1.584	Yes	0.061	1.33			
00909	818	812	8	398.26	0.02	0.031	0.031	Free Surface	1.888	0.094	0.018	0.063	0.08	1.609	1.706	Yes	0.068	1.688			
00910	812	811	8	176.47	0.047	0.073	0.073	Free Surface	3.288	0.115	0.028	0.077	0.123	2.53	2.619	Yes	0.09	2.828			
00911	811	707	8	136.31	0.042	0.094	0.094	Free Surface	3.409	0.133	0.038	0.089	0.14	2.432	2.477	No	0.089	3.409			
00912	707	780	8	432.57	0.056	0.105	0.105	Free Surface	3.909	0.13	0.036	0.087	0.147	2.819	2.878	Yes	0.094	3.51			
00913	815	814	8	240.31	0.018	0.01	0.01	Free Surface	1.31	0.057	0.006	0.038	0.046	1.437	1.628	Yes	0.05	0.884			
00914	814	813	8	266.07	0.009	0.021	0.021	Free Surface	1.256	0.094	0.018	0.063	0.065	1.07	1.134	No	0.063	1.256			
00915	813	812	8	254.89	0.022	0.031	0.031	Free Surface	1.965	0.092	0.017	0.061	0.08	1.698	1.806	Yes	0.067	1.719			
00916	947	952	8	303.77	0.035	0.052	0.052	Free Surface	2.669	0.105	0.023	0.07	0.103	2.155	2.255	Yes	0.078	2.273			

00917	633	1118	8	400.7	0.048	4.328	4.328	Pressurized	12.4	1	1.639	0.667	0.652	2.676	2.641	Yes	0.667	12.4	8.13	10	2
00918	662	1,134.00	12	274.82	0.039	5.532	5.532	Free Surface	9.97	0.665	0.782	0.665	0.94	2.292	7.078	No	0.665	9.97			
00919	1134	1613	12	293.06	0.046	5.536	5.536	Free Surface	10.603	0.631	0.725	0.631	0.941	2.54	7.641	Yes	0.648	10.273			
00920	1127	1101	8	92.84	0.016	0.041	0.041	Free Surface	1.874	0.113	0.027	0.075	0.091	1.458	1.513	No	0.075	1.874			
00921	1101	1102	8	176.45	0.044	0.058	0.058	Free Surface	2.998	0.104	0.023	0.069	0.109	2.427	2.541	Yes	0.075	2.695			
00922	1100	1101	8	223.14	0.035	0.012	0.012	Free Surface	1.703	0.051	0.005	0.034	0.048	1.975	2.274	Yes	0.051	0.955			
00923	1102	1103	8	137.1	0.035	0.064	0.064	Free Surface	2.846	0.115	0.028	0.077	0.114	2.188	2.264	Yes	0.083	2.548			
00924	1089	1088	8	44.24	0.025	0.023	0.023	Free Surface	1.869	0.077	0.012	0.051	0.068	1.765	1.92	Yes	0.054	1.728			
00925	1088	1087	8	70.22	0.027	0.029	0.029	Free Surface	2.047	0.084	0.015	0.056	0.077	1.846	1.985	Yes	0.058	1.977			
00926	1706	888	8	202.5	0.072	0.029	0.029	Free Surface	2.893	0.067	0.009	0.044	0.077	2.941	3.262	Yes	0.667	0.083			
00927	2957	1706	8	179.34	0.034	0.023	0.023	Free Surface	2.079	0.072	0.01	0.048	0.068	2.036	2.237	No	0.048	2.079			
00928	906	892	12	347.49	0.002	1.319	1.319	Pressurized	2.21	0.711	0.854	0.711	0.485	0.48	1.545	Yes	1	1.68	9.44	10	2
00929	907	906	12	378.66	0.004	1.316	1.316	Free Surface	3.069	0.536	0.562	0.536	0.485	0.825	2.343	Yes	0.861	1.829			
00930	923	907	12	268.75	0.006	1.216	1.216	Free Surface	3.403	0.465	0.441	0.465	0.465	1.002	2.76	Yes	0.502	3.079			
00931	922	923	12	399.7	0.044	1.212	1.212	Free Surface	7.024	0.272	0.161	0.272	0.464	2.81	7.511	Yes	0.369	4.607			
00932	935	922	12	389.44	0.033	1.209	1.209	Free Surface	6.328	0.292	0.186	0.292	0.464	2.433	6.498	No	0.292	6.328			
00933	936	935	12	241.45	0.015	1.205	1.205	Free Surface	4.789	0.357	0.273	0.357	0.463	1.647	4.418	No	0.357	4.789			
00934	937	936	12	399.74	0.012	1.201	1.201	Free Surface	4.341	0.383	0.311	0.383	0.462	1.434	3.862	No	0.383	4.341			
00935	360	937	12	123.6	0.007	1.197	1.197	Free Surface	3.539	0.445	0.409	0.445	0.461	1.069	2.926	No	0.445	3.539			
00936	361	360	12	276.14	0.003	1.178	1.178	Free Surface	2.606	0.56	0.602	0.56	0.457	0.68	1.956	No	0.56	2.606			
00937	941	361	12	402.26	0.003	1.174	1.174	Free Surface	2.604	0.558	0.6	0.558	0.457	0.681	1.957	Yes	0.559	2.601			
00938	942	941	12	133.82	0.007	1.17	1.17	Free Surface	3.49	0.443	0.404	0.443	0.456	1.058	2.894	Yes	0.5	2.983			
00939	943	942	12	112.63	0.008	1.167	1.167	Free Surface	3.714	0.421	0.37	0.421	0.455	1.16	3.154	Yes	0.431	3.604			
00940	728	943	12	241.57	0.008	1.153	1.153	Free Surface	3.774	0.412	0.356	0.412	0.452	1.194	3.238	Yes	0.419	3.697			
00941	821	943	8	92.26	0.036	0.01	0.01	Free Surface	1.64	0.048	0.004	0.032	0.045	1.974	2.296	Yes	0.229	0.094			
00942	924	934	8	136.31	0.015	0.004	0.004	Free Surface	0.898	0.037	0.003	0.025	0.028	1.222	1.473	Yes	0.049	0.333			
00943	933	934	8	227.66	0.039	0.034	0.034	Free Surface	2.445	0.084	0.014	0.056	0.084	2.21	2.377	Yes	0.064	1.995			
00944	925	933	8	190.25	0.013	0.004	0.004	Free Surface	0.866	0.038	0.003	0.026	0.028	1.164	1.398	Yes	0.043	0.401			
00945	932	933	8	292.09	0.026	0.027	0.027	Free Surface	1.978	0.082	0.014	0.055	0.074	1.812	1.956	Yes	0.058	1.829			
00946	926	932	8	188.03	0.007	0.004	0.004	Free Surface	0.702	0.044	0.004	0.03	0.028	0.878	1.033	Yes	0.04	0.443			
00947	931	932	8	271.02	0.021	0.019	0.019	Free Surface	1.665	0.073	0.011	0.049	0.062	1.615	1.769	Yes	0.05	1.613			
00948	930	931	8	273.81	0.018	0.011	0.011	Free Surface	1.352	0.06	0.007	0.04	0.048	1.454	1.639	Yes	0.043	1.195			
00949	927	931	8	185.12	0.026	0.004	0.004	Free Surface	1.099	0.033	0.002	0.022	0.028	1.601	1.971	Yes	0.034	0.562			
00950	928	930	8	150	0.016	0.004	0.004	Free Surface	0.916	0.037	0.003	0.025	0.028	1.255	1.516	Yes	0.032	0.635			
00951	929	930	8	379.98	0.022	0.004	0.004	Free Surface	1.032	0.034	0.002	0.023	0.028	1.471	1.799	Yes	0.031	0.664			
00952	919	918	8	168.35	0.006	0.004	0.004	Free Surface	0.665	0.046	0.004	0.031	0.028	0.817	0.956	No	0.031	0.665			
00953	918	917	8	226.68	0.019	0.008	0.008	Free Surface	1.203	0.049	0.005	0.033	0.039	1.428	1.655	Yes	0.039	0.939			
00954	920	917	8	160.92	0.006	0.004	0.004	Free Surface	0.646	0.047	0.004	0.031	0.028	0.785	0.916	Yes	0.038	0.483			
00955	917	916	8	159.58	0.019	0.015	0.015	Free Surface	1.483	0.068	0.009	0.045	0.056	1.493	1.651	Yes	0.046	1.431			
00956	916	914	8	250.55	0.033	0.019	0.019	Free Surface	1.935	0.066	0.009	0.044	0.062	1.975	2.194	Yes	0.05	1.583			
00957	921	913	8	118.18	0.007	0.004	0.004	Free Surface	0.705	0.044	0.004	0.029	0.028	0.883	1.039	Yes	0.042	0.414			
00958	914	913	8	99.9	0.029	0.027	0.027	Free Surface	2.063	0.079	0.013	0.053	0.074	1.918	2.078	Yes	0.054	2.012			
00959	915	914	8	272.64	0.004	0.004	0.004	Free Surface	0.58	0.05	0.005	0.034	0.028	0.68	0.785	Yes	0.045	0.373			
00960	913	910	8	94.8	0.04	0.034	0.034	Free Surface	2.485	0.083	0.014	0.055	0.084	2.258	2.432	Yes	0.084	1.341			
00961	912	911	8	360.34	0.006	0.004	0.004	Free Surface	0.673	0.046	0.004	0.03	0.028	0.831	0.973	Yes	0.041	0.437			
00962	911	910	8	149.76	0.004	0.008	0.008	Free Surface	0.697	0.071	0.01	0.047	0.039	0.686	0.755	Yes	0.08	0.32			
00963	908	909	8	144.14	0.005	0.004	0.004	Free Surface	0.622	0.048	0.004	0.032	0.028	0.748	0.869	Yes	0.038	0.486			
00964	909	910	8	131.66	0.006	0.008	0.008	Free Surface	0.825	0.063	0.008	0.042	0.039	0.862	0.963	Yes	0.078	0.336			
00965	910	907	8	255.43	0.005	0.053	0.053	Free Surface	1.38	0.168	0.062	0.112	0.105	0.872	0.869	Yes	0.326	0.315			
00966	893	892	8	62.94	0.008	0.46	0.46	Free Surface	2.926	0.461	0.435	0.307	0.317	1.06	1.058	Yes	0.334	2.628			
00967	894	893	8	191.6	0.005	0.455	0.455	Free Surface	2.474	0.521	0.537	0.348	0.315	0.829	0.849	No	0.348	2.474			
00968	895	894	8	342.87	0.016	0.451	0.451	Free Surface	3.816	0.372	0.294	0.248	0.314	1.571	1.532	Yes	0.299	2.965			
00969	896	895.00	8	273.45	0.039	0.288	0.288	Free Surface	4.64	0.234	0.12	0.156	0.248	2.467	2.404	Yes	0.204	3.188			
00970	1007	895	8	77.31	0.053	0.158	0.158	Free Surface	4.311	0.162	0.057	0.108	0.182	2.779	2.778	Yes	0.18	2.086			
00971	1008	1007	8	326.24	0.029	0.153	0.153	Free Surface	3.455	0.185	0.075	0.123	0.179	2.079	2.055	No	0.123	3.455			
00972	1006	1008	8	258.62	0.04	0.005	0.005	Free Surface	1.364	0.033	0.002	0.022	0.031	1.978	2.432	Yes	0.074	0.226			
00973	1004	1005	8	270.31	0.031	0.005	0.005	Free Surface	1.246	0.035	0.002	0.023	0.031	1.753	2.136	Yes	0.069	0.251			
00974	1005	1008	8	316.73	0.033	0.144	0.144	Free Surface	3.56	0.173	0.065	0.115	0.173	2.217	2.203	Yes	0.121	3.334			
00975	1009	1005	8	284.99	0.032	0.134	0.134	Free Surface	3.455	0.169	0.062	0.112	0.167	2.182	2.173	Yes	0.113	3.405			
00976	1003	1009	8	277.71	0.029	0.005	0.005	Free Surface	1.219	0.036	0.002	0.024	0.031	1.702	2.068	Yes	0.069	0.252			
00977	1010	1009	8	195.17	0.024	0.125	0.125	Free Surface	3.061	0.174	0.066	0.116	0.161	1.901	1.888	No	0.116	3.061			
00978	1011	1010	8	103.97	0.081	0.105	0.105	Free Surface	4.449	0.12	0.031	0.08	0.148	3.351	3.452	Yes	0.099	3.262			
00979	1012	1010	8	97.69	0.023	0.014	0.014	Free Surface	1.568	0.063	0.008	0.042	0.054	1.641	1.835	Yes	0.08	0.607			
00980	1013	1012	8	363.22	0.005	0.01	0.01	Free Surface	0.84	0.073	0.011	0.049	0.044	0.815	0.894	No	0.049	0.84			
00981	731	955	8	399.53	0.004	0.373	0.373	Free Surface	2.136	0.501	0.501	0.334	0.284	0.735	0.745	No	0.334	2.136			
00982	1031	1029	8	104.46	0.009	0.005	0.005	Free Surface	0.806	0.047	0.004	0.031	0.031	0.978	1.141	Yes	0.035	0.671			
00983	1029	1030	8	130.22	0.009	0.01	0.01	Free Surface	1	0.065	0.008	0.043	0.044	1.031	1.148	No	0.043	1			
00984	1030	1025	8	225.32	0.11	0.014	0.014	Free Surface	2.702	0.044	0.004	0.029	0.054	3.406	4.015	Yes	0.035	2.04			
00985	1035	1036	8	187.97	0.031	0.005	0.005	Free Surface	1.246	0.035	0.002	0.023	0.031	1.753	2.135	Yes	0.024	1.19			
00986	1034	1032	8	204.29	0.009	0.005	0.005	Free Surface	0.811	0.047	0.004	0.031	0.031	0.987	1.151	Yes	0.04	0.561			
00987	1032	1033	8	145.84	0.008	0.01	0.01	Free Surface	0.943	0.067	0.009	0.045	0.044	0.954	1.056	Yes	0.05	0.797			
00988	1033	1040	8	209.23	0.006	0.014	0.014	Free Surface	0.979	0.087	0.015	0.058	0.054	0.872	0.934	Yes	0.063	0.862			
00989	901	900	8	244.82	0.078	0.115	0.115	Free Surface	4.496	0.126	0.034	0.084	0.155	3.297	3.377	Yes	0.095	3.799			
00990	900	899	8	268.88	0.038	0.12	0.12	Free Surface	3.54	0.153	0.051	0.102	0.158	2.349	2.36	Yes	0.108	3.265			
00991	899	898	8	322.31	0.045	0.158	0.158	Free Surface	4.066	0.169	0.062	0.112	0.182	2.567	2.556	Yes	0.127	3.397			
00992	898	897	8	150.44	0.022	0.192	0.192	Free Surface	3.347	0.221	0.107	0.147	0.201	1.833	1.791	No	0.147	3.347			
00993	897	896	8	335.71	0.039	0.197	0.197	Free Surface	4.143	0.194	0.082	0.129	0.204	2.433	2.397	Yes	0.142	3.6			
00994	751	1108	8	136.54	0.008	0.077	0.077	Free Surface	1.792	0.18	0.071	0.12	0.126	1.093	1.083	Yes	0.131	1.585			
00995	1108	896	8	138.74	0.005	0.086	0.086	Free Surface	1.594	0.212	0.099	0.142	0.134	0.891	0.873	Yes	0.149	1.487			
00996	750	1108	8	206.23	0.04	0.005	0.005	Free Surface	1.359	0.033	0.002	0.022	0.031	1.969	2.42	Yes	0.082	0.196			
00997	752	751	8	288.69	0.061	0.072	0.072	Free Surface	3.581	0.107	0.024	0.071	0.122	2.859	2.984	Yes	0.10	2.256			
00998	761	752	8	198.59	0.064	0.038	0.038	Free Surface	3.013	0.079	0.013	0.052	0.088	2.818	3.058	Yes	0.064	2.248			
00999	753	752	8	295.66	0.03	0.029	0.029	Free Surface	2.125	0.082	0.014	0.055	0.076	1.946	2.1	Yes	0.065	1.644			
01000	777	761	8	192.92	0.044	0.034	0.034	Free Surface	2.551	0.08	0.013	0.054	0.083	2.359	2.553	No	0.054	2.551			
01001	776	777	8	290.11	0.069	0.029	0.029	Free Surface	2.835	0.067	0.009	0.045	0.076	2.867	3.176	Yes	0.048	2.594			
01002	754	753	8	101.45	0.03	0.024	0.024	Free Surface	2.008	0.075	0.011	0.05	0.07	1.921	2.097	Yes	0.051	1.932			
01003	755	754	8	401.2	0.049	0.019	0.019	Free Surface	2.234	0.06	0.007	0.04	0.062	2.393	2.693	Yes	0.043	2.021			
01004	756	755	8	158.32	0.057	0.014	0.014	Free Surface	2.151	0.051	0.005	0.034	0.054	2.509	2.892	Yes	0.037	1.87			
01005	759	760	8	139.34	0.033	0.005	0.005	Free Surface	1.272	0.035	0.002	0.023	0.031	1.803	2.201	Yes	0.024	1.229			
01006	758	757	8	137.67	0.059	0.005	0.005	Free Surface	1.557	0.03	0.002	0.02	0.031	2.362	2.944	Yes	0.023	1.29			
01007	757	756	8	159	0.086	0.01	0.01	Free Surface	2.196	0.038	0.003	0.025	0.044	2.96	3.56	Yes	0.028	1.903			
01008	775	776	8	202.48	0.067	0.024	0.024	Free Surface	2.661	0.062	0.008	0.041	0.07	2.803	3.14	Yes	0.045	2.387			
01009	760	775.00	8	99.04	0.071	0.01	0.01	Free Surface	2.053	0.04	0.003	0.027	0.044	2.705	3.231	Yes	0.036	1.336			
01010	762	763	8	399.41	0.109	0.005	0.005	Free Surface	1.926	0.026	0.001	0.017	0.031	3.139	3.999	Yes	0.025	1.121			
01011	763	775	8	116.59	0.042	0.01	0.01	Free Surface	1.707	0.045	0.004	0.03	0.044	2.112	2.477	Yes	0.037	1.243			
01012	781	782	8	230.57	0.105	0.006	0.006	Free Surface	2.005	0.029	0.001	0.019	0.034	3.126	3.93	Yes	0.022	1.595			
01013	782	783	8	128	0.092	0.011	0.011	Free Surface	2.364	0.041	0.003	0.027	0.048	3.084	3.672	Yes	0.034	1.706			
01014	784	785	8	231.92	0.049	0.028	0.028	Free Surface	2.515	0.072	0.011	0.048	0.076	2.451	2.689	Yes	0.059	1.853			
01015	783	784	8	154.28	0.064	0.023	0.023	Free Surface	2.577	0.061	0.007	0.041	0.068	2.734	3.068	Yes	0.046	2.167			
01017	1667	783	8	174.06	0.035	0.006	0.006	Free Surface	1.365	0.037	0.003	0.025	0.034	1.869	2.259	Yes	0.033	0.902			
01018	745	744	8	106.67	0.05	0.005	0.005	Free Surface	1.471	0.031	0.002	0.021	0.031	2.19	2.713	Yes	0.025	1.146			
01019	744	743	8	109.23	0.048	0.01	0.01	Free Surface	1.796	0.044	0.004	0.029	0.044	2.261	2.665	Yes	0.035	1.345			
01020	743	748	8	181.79	0.039	0.014	0.014	Free Surface	1.886	0.056	0.006	0.037	0.054	2.103	2.394	Yes	0.038	1.813			
01021	774	736	8	397.16	0.058	0.005	0.005	Free Surface	1.543	0.03	0.002	0.02	0.031	2.334	2.906	Yes	0.024	1.187			
01022	736	733	8	161.99	0.073	0.014	0.014	Free Surface	2.349	0.048	0.004	0.032	0.054	2.822	3.282	Yes	0.049	1.263			
01023	733	1043	8	207.51	0.017	0.029	0.029	Free Surface	1.759	0.093	0.018	0.062	0.076	1.509	1.602	Yes	0.074	1.347			
01024	1043	1042	8	354.11	0.005	0.034	0.034	Free Surface	1.217	0.133	0.038	0.089	0.083	0.869	0.885	Yes	0.097	1.062			
01025	1042	1041	8	317.7	0.003	0.038	0.038	Free Surface	1.053	0.161	0.056	0.107	0.088	0.68	0.68	Yes	0.121	0.882			
01026	1041	1040	8	178.37	0.002	0.043	0.043	Free Surface	0.866	0.2	0.088	0.134	0.094	0.5	0.491	No	0.134	0.866			
01027	735	734	8	206.85	0.009	0.005	0.005	Free Surface	0.823	0.046	0.004	0.031	0.031	1.006	1.176	Yes	0.034	0.727			
01028	734	733	8	397.92	0.016	0.01	0.01	Free Surface	1.215	0.057	0.006	0.038	0.044	1.339	1.519	Yes	0.052	0.771			
01029	773	736	8	392.91	0.034	0.005	0.005	Free Surface	1.291	0.034	0.002	0.023	0.031	1.838	2.247	Yes	0.025	1.099			
01030	957	958	8	296.25	0.011	0.004	0.004	Free Surface	0.825	0.04	0.003	0.027	0.028	1.082	1.29	Yes	0.147	0.069			
01031	960	959	8	256.64	0.045	0.004	0.004	Free Surface	1.337	0.029	0.002	0.019	0.028	2.062	2.584	Yes	0.142	0.072			
01032	961	962.00	8	228.37	0.054	0.004	0.004	Free Surface	1.42	0.028	0.001	0.019	0.028	2.236	2.818	Yes	0.15	0.066			
01033	958	959	8	274.4	0.014	0.491	0.491	Free Surface	3.749	0.401	0.339	0.268	0.328	1.476	1.448	No	0.268	3.749			
01034	959	962	8	271.41	0.016	0.499	0.499	Free Surface	3.891	0.395	0.329	0.263	0.331	1.546	1.515	Yes	0.273	3.715			
01035	962	968	8	243.74	0.013	0.507	0.507	Free Surface	3.674	0.417	0.364	0.278	0.333	1.414	1.393	No	0.278	3.674			
01036	956	958	8	178.01	0.015	0.483	0.483	Free Surface	3.783	0.394	0.327	0.263	0.325	1.506	1.475	Yes	0.265	3.745			
01037	967	968	8	170.37	0.028	0.043	0.043	Free Surface	2.342	0.101	0.021	0.067	0.094	1.929	2.028	Yes	0.14	0.805			
01038	963	967	8	146.48	0.006	0.039	0.039	Free Surface	1.301	0.141	0.043	0.094	0.089	0.901	0.912	No	0.094	1.301			
01039	1055	1054	8	196.85	0.01	0.006	0.006	Free Surface	0.921	0.052	0.005	0.035	0.036	1.063	1.222	Yes	0.039	0.773			
01040	1681	1680	8	205.66	0.007	0.003	0.003	Free Surface	0.648	0.041	0.003	0.027	0.025	0.841	1	Yes	0.032	0.505			
01041	1680	1679	8	91.62	0.007	0.006	0.006	Free Surface	0.817	0.056	0.006	0.037	0.036	0.905	1.028	Yes	0.041	0.712			
01042	1054	1053	8	132.79	0.011	0.01	0.01	Free Surface	1.083	0.061	0.007	0.041	0.044	1.151	1.292	Yes	0.044	0.972			
01043	1053	1052	8	119.75	0.012	0.013	0.013	Free Surface	1.201	0.069	0.01	0.046	0.051	1.199	1.323	Yes	0.048	1.121			
01044	1052	1051	8	95.19	0.011	0.016	0.016	Free Surface	1.236	0.079	0.013	0.053	0.057	1.153	1.25	Yes	0.055	1.147			

01045	1051	1050	8	276.51	0.013	0.019	0.019	Free Surface	1.393	0.082	0.014	0.055	0.062	1.272	1.371	Yes	0.062	1.169			
01046	1050	1049	8	98.69	0.008	0.022	0.022	Free Surface	1.249	0.099	0.02	0.066	0.067	1.04	1.097	Yes	0.138	0.427			
01047	729	1049	8	306.82	0.024	0.362	0.362	Free Surface	4.153	0.298	0.193	0.199	0.28	1.935	1.875	Yes	0.204	3.998			
01048	1049	970.00	8	231.33	0.022	0.388	0.388	Free Surface	4.099	0.316	0.216	0.211	0.29	1.849	1.793	Yes	0.212	4.067			
01049	979	971	8	325.84	0.028	0.006	0.006	Free Surface	1.307	0.041	0.003	0.027	0.036	1.7	2.023	Yes	0.141	0.117			
01050	978	979	8	404.26	0.023	0.003	0.003	Free Surface	0.993	0.031	0.002	0.021	0.025	1.488	1.848	Yes	0.024	0.794			
01051	977	976	8	335.01	0.011	0.003	0.003	Free Surface	0.768	0.037	0.002	0.024	0.025	1.056	1.277	Yes	0.087	0.117			
01052	972	980	8	403.65	0.005	0.108	0.108	Free Surface	1.703	0.237	0.123	0.158	0.15	0.898	0.875	No	0.158	1.703			
01053	1882	954	8	139.06	0.001	0.059	0.059	Free Surface	0.786	0.267	0.156	0.178	0.11	0.389	0.378	No	0.178	0.786			
01054	1135	360	8	144.52	0.03	0.015	0.015	Free Surface	1.757	0.061	0.007	0.04	0.056	1.874	2.106	Yes	0.243	0.133			
01055	1136	601	8	206.07	0.044	0.011	0.011	Free Surface	1.815	0.048	0.004	0.032	0.047	2.186	2.543	Yes	0.081	0.458			
01056	600	599	8	205.75	0.012	0.144	0.144	Free Surface	2.494	0.222	0.108	0.148	0.173	1.363	1.332	No	0.148	2.494			
01057	725	599	8	259	0.021	0.011	0.011	Free Surface	1.401	0.057	0.006	0.038	0.047	1.544	1.752	Yes	0.07	0.562			
01058	557	1137	8	150.6	0.053	0.208	0.208	Free Surface	4.68	0.185	0.075	0.123	0.21	2.816	2.784	Yes	0.142	3.829			
01059	1138	354	8	135.84	0.045	0.249	0.249	Pressurized	4.668	0.21	0.097	0.14	0.23	2.624	2.571	Yes	0.667	0.714			
01060	976	975	8	175.2	0.005	0.095	0.095	Free Surface	1.646	0.222	0.108	0.148	0.14	0.899	0.878	No	0.148	1.646			
01061	1172	1171	8	12.68	0.011	0.009	0.009	Free Surface	1.051	0.058	0.007	0.039	0.042	1.143	1.292	Yes	0.154	0.141			
01062	1606	1281	8	66.78	0.015	0.175	0.175	Free Surface	2.852	0.232	0.118	0.155	0.192	1.521	1.482	No	0.155	2.852			
01063	1176	1606	8	128.33	0.006	0.173	0.173	Free Surface	2.058	0.29	0.183	0.193	0.19	0.974	0.944	No	0.19	2.058			
01064	1180	1176	8	249.81	0.008	0.044	0.044	Free Surface	1.538	0.137	0.04	0.092	0.095	1.08	1.097	Yes	0.141	0.822			
01065	1179	1180	8	242.57	0.021	0.029	0.029	Free Surface	1.864	0.09	0.017	0.06	0.077	1.629	1.737	Yes	0.07	1.385			
01066	1280	1180	8	319.1	0.011	0.013	0.013	Free Surface	1.161	0.071	0.01	0.047	0.05	1.146	1.261	Yes	0.067	0.693			
01067	1282	1176	8	399.17	0.005	0.125	0.125	Free Surface	1.705	0.263	0.152	0.176	0.162	0.85	0.824	Yes	0.183	1.604			
01068	1279	1280	8	318.01	0	0.01	0.01	Pressurized	0.36	0.132	0.037	0.088	0.044	0.258	0.263	Yes	0.667	0.028			
01069	1283	1282	8	402.1	0.006	0.122	0.122	Free Surface	1.828	0.247	0.133	0.164	0.16	0.944	0.918	Yes	0.169	1.76			
01070	1284	1283	8	157.79	0.012	0.119	0.119	Free Surface	2.34	0.204	0.091	0.136	0.158	1.337	1.313	Yes	0.152	1.992			
01071	1285	1284	8	132.78	0.006	0.114	0.114	Free Surface	1.868	0.231	0.117	0.154	0.154	1	0.975	No	0.154	1.868			
01072	1286	1285	8	116.73	0.006	0.111	0.111	Free Surface	1.795	0.233	0.119	0.155	0.152	0.956	0.932	No	0.155	1.795			
01073	1287	1286	8	246.14	0.016	0.027	0.027	Free Surface	1.673	0.093	0.018	0.062	0.075	1.433	1.521	Yes	0.109	0.741			
01074	1288	1284	8	211.82	0.007	0.003	0.003	Free Surface	0.648	0.039	0.003	0.026	0.024	0.869	1.043	Yes	0.08	0.12			
01075	1294	1286	8	257.85	0.006	0.081	0.081	Free Surface	1.608	0.201	0.089	0.134	0.129	0.926	0.91	Yes	0.146	1.419			
01076	1295	2886	8	20.65	0.119	0.072	0.072	Free Surface	4.532	0.091	0.017	0.061	0.122	3.929	4.182	Yes	0.07	3.683			
01077	1293	1287	8	184.91	0.059	0.025	0.025	Free Surface	2.559	0.065	0.008	0.043	0.071	2.637	2.936	Yes	0.05	1.91			
01078	1292	1293	8	159.19	0.09	0.017	0.017	Free Surface	2.663	0.05	0.005	0.033	0.059	3.139	3.629	Yes	0.038	2.171			
01079	1297	1298	8	57.17	0.048	0.06	0.06	Free Surface	3.125	0.104	0.023	0.07	0.111	2.529	2.648	Yes	0.079	2.57			
01080	1296	1297	8	74.93	0.002	0.058	0.058	Free Surface	0.948	0.23	0.116	0.153	0.109	0.508	0.496	No	0.153	0.948			
01081	1304	1,296.00	8	228.12	0.087	0.009	0.009	Free Surface	2.189	0.038	0.003	0.025	0.043	2.97	3.579	Yes	0.091	0.327			
01082	1303	1,304.00	8	327.38	0.078	0.006	0.006	Free Surface	1.816	0.031	0.002	0.021	0.034	2.729	3.392	Yes	0.02	1.586			
01083	1302	1303	8	168.39	0.067	0.003	0.003	Free Surface	1.393	0.023	0.001	0.015	0.024	2.418	3.141	Yes	0.017	1.155			
01084	1305	1304	8	314.48	0.004	0.001	0.001	Free Surface	0.333	0.024	0.001	0.016	0.012	0.563	0.726	Yes	0.02	0.238			
01085	1305	1306	8	131.37	0.03	0.002	0.002	Free Surface	0.956	0.024	0.001	0.016	0.021	1.616	2.082	Yes	0.024	0.523			
01086	1306	1307	8	411.74	0.008	0.005	0.005	Free Surface	0.802	0.049	0.005	0.032	0.032	0.957	1.111	No	0.032	0.802			
01087	1307	1313	8	158	0.051	0.011	0.011	Free Surface	1.9	0.045	0.004	0.03	0.047	2.344	2.747	Yes	0.05	0.816			
01088	1308	1,307.00	8	191.77	0.06	0.003	0.003	Free Surface	1.338	0.024	0.001	0.016	0.024	2.29	2.963	Yes	0.024	0.707			
01089	1315	1725	8	249.94	0.001	0.04	0.04	Free Surface	0.563	0.255	0.143	0.17	0.09	0.285	0.277	No	0.17	0.563			
01090	1725	2943	8	253.58	0.006	0.042	0.042	Free Surface	1.387	0.143	0.044	0.095	0.093	0.954	0.965	Yes	0.099	1.311			
01091	1317	1316	8	399.47	0.001	0.009	0.009	Free Surface	0.502	0.096	0.019	0.064	0.042	0.424	0.448	Yes	0.072	0.425			
01092	1318	1317	8	400.83	0.002	0.006	0.006	Free Surface	0.468	0.077	0.012	0.051	0.034	0.444	0.483	Yes	0.056	0.406			
01093	1311	1,318.00	8	121.72	0.085	0.003	0.003	Free Surface	1.514	0.022	0.001	0.015	0.024	2.701	3.541	Yes	0.67	0.008			
01094	1312	1314	8	400.97	0.004	0.009	0.009	Free Surface	0.755	0.073	0.011	0.049	0.042	0.733	0.804	Yes	0.055	0.626			
01095	1310	1312	8	138.94	0.007	0.006	0.006	Free Surface	0.796	0.054	0.006	0.036	0.034	0.904	1.035	Yes	0.044	0.59			
01096	1309	1310	8	327.47	0.068	0.003	0.003	Free Surface	1.396	0.023	0.001	0.015	0.024	2.424	3.15	Yes	0.028	0.579			
01100	1726	1295	8	370.47	0.019	0.069	0.069	Free Surface	2.369	0.138	0.041	0.092	0.119	1.659	1.683	No	0.092	2.369			
01101	1724	1726	8	328.83	0.018	0.066	0.066	Free Surface	2.263	0.138	0.041	0.092	0.117	1.583	1.606	No	0.092	2.263			
01102	1298	1724	8	96.23	0.018	0.063	0.063	Free Surface	2.268	0.134	0.039	0.089	0.114	1.613	1.642	No	0.089	2.268			
01104	1272	1278	8	172.66	0.014	0.001	0.001	Free Surface	0.606	0.022	0.001	0.015	0.015	1.081	1.416	Yes	0.02	0.369			
01105	1275	1293	8	384.63	0.013	0.004	0.004	Free Surface	0.909	0.041	0.003	0.028	0.03	1.178	1.401	Yes	0.035	0.625			
01106	1178	1179	8	400.17	0.027	0.013	0.013	Free Surface	1.601	0.057	0.006	0.038	0.051	1.757	1.99	Yes	0.05	1.176			
01107	1177	1178	8	132.52	0.02	0.01	0.01	Free Surface	1.335	0.055	0.006	0.036	0.045	1.502	1.714	Yes	0.04	1.259			
01108	1276	1275	8	129.07	0.02	0.002	0.002	Free Surface	0.761	0.023	0.001	0.015	0.018	1.317	1.71	Yes	0.021	0.466			
01110	1519	1485	8	91.95	0.004	0.124	0.124	Free Surface	1.545	0.28	0.171	0.187	0.16	0.745	0.722	No	0.187	1.545			
01111	1511	1518	8	102.43	0.008	0.113	0.113	Free Surface	2.022	0.217	0.104	0.145	0.153	1.117	1.092	No	0.145	2.022			
01112	1899	826	8	126.04	0.029	1.086	1.086	Free Surface	5.981	0.516	0.527	0.344	0.494	2.019	2.06	Yes	0.377	5.331			
01113	1530	1529	8	296.88	0.048	0.005	0.005	Free Surface	1.478	0.033	0.002	0.022	0.032	2.149	2.645	Yes	0.026	1.123			
01114	1301	1300	8	309.13	0.072	0.003	0.003	Free Surface	1.423	0.023	0.001	0.015	0.024	2.488	3.241	Yes	0.02	0.935			
01115	1300	1299	8	208.91	0.036	0.006	0.006	Free Surface	1.381	0.037	0.003	0.025	0.034	1.891	2.285	No	0.03	1.381			
01116	1254	1255	8	395.82	0.005	0.004	0.004	Free Surface	0.651	0.049	0.005	0.033	0.029	0.774	0.898	Yes	0.049	0.36			
01117	1547	1548	10	21.4	0.004	0.077	0.077	Free Surface	1.359	0.161	0.056	0.134	0.119	0.787	1.375	No	0.134	1.359			
01118	1548	1212	10	178.96	0.005	0.079	0.079	Free Surface	1.471	0.155	0.052	0.129	0.12	0.869	1.523	No	0.129	1.471			
01119	1545	1547	8	125.33	0.002	0.045	0.045	Free Surface	0.886	0.203	0.091	0.136	0.096	0.507	0.498	No	0.136	0.886			
01120	1543	1545	8	248.99	0.006	0.043	0.043	Free Surface	1.325	0.149	0.048	0.099	0.094	0.892	0.899	Yes	0.242	0.375			
01121	1618	1919	8	329.41	0.013	0.986	0.986	Free Surface	4.298	0.625	0.714	0.416	0.471	1.271	1.381	Yes	0.453	3.902			
01122	1919	1920	8	324.21	0.008	0.991	0.991	Free Surface	3.606	0.735	0.89	0.49	0.472	0.93	1.114	Yes	0.513	3.436	6.54	8	2
01123	1265	1543	8	123.2	0.002	0.041	0.041	Free Surface	0.979	0.177	0.069	0.118	0.091	0.602	0.597	No	0.118	0.979			
01124	1212	1550	10	194.13	0.006	0.083	0.083	Free Surface	1.573	0.153	0.051	0.128	0.123	0.934	1.64	Yes	0.134	1.466			
01125	1550	1213	10	83.3	0.004	0.085	0.085	Free Surface	1.431	0.166	0.06	0.139	0.125	0.814	1.418	Yes	0.141	1.4			
01126	1213	1214	10	310.48	0.004	0.087	0.087	Free Surface	1.362	0.175	0.067	0.146	0.126	0.755	1.309	No	0.146	1.362			
01127	1214	1577	10	218.65	0.005	0.089	0.089	Free Surface	1.494	0.167	0.06	0.139	0.128	0.849	1.479	Yes	0.41	0.331			
01128	1668	1577	18	264.86	0.012	3.117	3.117	Free Surface	5.572	0.354	0.268	0.531	0.672	1.572	11.614	Yes	0.609	4.625			
01129	1578	1668	18	323.8	0.002	3.115	3.115	Free Surface	3.091	0.555	0.595	0.833	0.672	0.662	5.235	No	0.833	3.091			
01130	1579	1578	18	324.24	0.001	3.113	3.113	Free Surface	2.346	0.703	0.842	1.054	0.671	0.42	3.699	No	1.05	2.346	14.84	15	2
01132	1211	1212	8	390.11	0.015	0.002	0.002	Free Surface	0.74	0.028	0.001	0.019	0.02	1.164	1.467	Yes	0.073	0.098			
01133	1209	1580	8	124.88	0.118	0.001	0.001	Free Surface	1.167	0.012	0	0.008	0.013	2.863	4.153	Yes	0.437	0.004			
01134	1580	1579	18	359.39	0.002	3.111	3.111	Free Surface	2.94	0.578	0.634	0.867	0.671	0.613	4.907	Yes	0.961	2.603			
01135	1209	1210	8	391.71	0.029	0.001	0.001	Free Surface	0.794	0.019	0.001	0.012	0.015	1.535	2.064	Yes	0.016	0.545			
01136	1208	1207	8	139.77	0.005	0.002	0.002	Free Surface	0.515	0.036	0.002	0.024	0.02	0.716	0.87	Yes	0.027	0.44			
01137	1581	1580	18	488.82	0.004	3.108	3.108	Free Surface	3.616	0.489	0.482	0.734	0.671	0.842	6.45	Yes	0.802	3.232			
01139	1582	1581	18	483.40	0.001	3.106	3.106	Free Surface	2.351	0.7	0.837	1.05	0.671	0.423	3.71	No	1.05	2.351	14.83	15	2
01140	1583	1582	18	100.2	0.007	3.104	3.104	Free Surface	4.53	0.411	0.355	0.617	0.67	1.172	8.753	Yes	0.835	3.073			
01141	1200	1583	8	310.27	0.005	0.008	0.008	Free Surface	0.787	0.069	0.009	0.046	0.041	0.789	0.871	Yes	0.334	0.047			
01142	1461	1200	8	214.55	0.003	0.006	0.006	Free Surface	0.624	0.066	0.009	0.044	0.035	0.638	0.709	Yes	0.047	0.564			
01143	969	1843	8	318.75	0.008	1.071	1.071	Pressurized	3.068	1	1.017	0.667	0.487	0.662	1.054	No	0.667	3.068	8.73	10	1
01144	1187	1186	8	326	0.005	0.002	0.002	Free Surface	0.518	0.036	0.002	0.024	0.02	0.722	0.878	Yes	0.029	0.387			
01145	1186	1192	8	175.5	0.005	0.004	0.004	Free Surface	0.624	0.05	0.005	0.033	0.029	0.732	0.845	Yes	0.034	0.616			
01146	1192	1185	8	234.47	0.016	0.006	0.006	Free Surface	1.076	0.046	0.004	0.03	0.035	1.324	1.55	Yes	0.035	0.892			
01147	1182	1183	8	68.35	0.007	0.047	0.047	Free Surface	1.514	0.145	0.045	0.096	0.098	1.036	1.047	Yes	0.11	1.249			
01150	1577	1576	18	243.48	0.005	3.209	3.209	Free Surface	4.061	0.458	0.43	0.688	0.682	0.984	7.455	Yes	0.718	3.842			
01151	1576	9999	18	87.86	0.004	3.211	3.211	Free Surface	3.648	0.498	0.497	0.748	0.682	0.839	6.455	Yes	0.817	3.262			
01152	2917	1575	12	462.39	0.006	2.519	2.519	Free Surface	3.899	0.767	0.935	0.767	0.68	0.786	2.694	Yes	1.00	3.207	9.80	10	2
01153	1433	1443	12	273.19	0.005	1.786	1.786	Pressurized	3.399	0.634	0.73	0.634	0.569	0.811	2.445	Yes	1	2.274			
01154	1443	1444	12	118.84	0.004	1.795	1.795	Pressurized	3.31	0.652	0.76	0.652	0.57	0.773	2.363	Yes	1	2.286			
01155	1444	1445	12	159.68	0.002	1.8	1.8	Pressurized	2.292	1	1.076	1	0.55	0.404	1.672	Yes	1	2.292	10.61	12	2
01156	1445	1446	12	234.58	0.001	1.81	1.81	Pressurized	2.304	1	2.24	1	0.376	0.406	0.808	No	1	2.304	12.11	15	2
01157	1446	1447	12	58.85	0.006	1.814	1.814	Free Surface	3.727	0.595	0.663	0.595	0.574	0.933	2.737	Yes	0.643	3.4			
01158	1447	1448	12	301.22	0.004	1.824	1.824	Free Surface	3.128	0.695	0.83	0.695	0.575	0.693	2.197	Yes	1	2.322	9.37	10	2
01159	1448	1589	12	171.81	0.002	1.852	1.852	Pressurized	2.359	1	1.241	1	0.518	0.416	1.493	Yes	1.00	2.359	10.73	12	2
01161	674	1703	14	81.21	0.081	2.137	2.137	Free Surface	10.092	0.252	0.14	0.294	0.596	3.891	15.317	Yes	1.167	1.999			
01162	1703	2916	14	480.16	0.001	2.143	2.143	Pressurized	2.005	1	1.395	1.167	0.501	0.327	1.536	No	1.17	2.005	16.73	18	1
01163	1597	1596	8	381.84	0.003	0.592	0.592	Pressurized	2.258	0.703	0.842	0.469	0.362	0.606	0.703	Yes	0.67	1.696	6.48	8	2
01164	1596	1595	8	504.50	0.003	0.597	0.597	Pressurized	2.253	0.71	0.853	0.473	0.363	0.6	0.7	Yes	0.667	1.71	6.50	8	2
01165	1595	1594	8	457.8	0.003	1.029	1.029	Pressurized	2.947	1	1.493	0.667	0.392	0.636	0.689	Yes	0.667	2.947	7.97	8	2
01166	2918	1593	8	482.95	0.006	1.042	1.042	Pressurized	2.985	1	1.113	0.667	0.459	0.644	0.936	No	0.667	2.985	7.04	8	2
01167	1594	2918	8	58.24	0.013	1.037	1.037	Pressurized	4.295	0.653	0.762	0.435	0.483	1.227	1.362	Yes	0.667	2.972			
01168	1451	1445	8	391.04	0.009	0.005	0.005	Free Surface	0.809	0.047	0.004	0.031	0.031	0.986	1.151	Yes	0.667	0.014			
01169	1450	1447	8	395.42	0.007	0.005	0.005	Free Surface	0.744	0.049	0.005	0.033	0.031	0.881	1.021	Yes	0.362	0.025			
01170	1442	1443	8	396.51	0.013	0.005	0.005	Free Surface	0.928	0.042	0.003	0.028	0.031	1.185	1.402	Yes	0.667	0.014			
01171	1429	1428	8	223.42	0.006	0.005	0.005	Free Surface	0.702	0.051	0.005	0.034	0.031	0.816	0.939	Yes	0.043	0.5			
01172	1428	1427	8	395.57	0.005	0.01	0.01	Free Surface	0.821	0.074	0.011	0.049	0.044	0.793	0.868	Yes	0.055	0.695			
01173	1427	1426	8	327.79	0.005	0.014	0.014	Free Surface	0.937	0.089	0.016	0.059	0.054	0.825	0.881	Yes	0.061	0.892			
01174	1426	1449	8	289.42	0.009	0.019	0.019	Free Surface	1.224	0.09	0.017	0.06	0.062	1.069	1.14	Yes	0.069	0.987			
01175	1430	1432	12	335.48	0.001	1.757	1.757	Pressurized	2.238	1	1.425	1	0.469	0.394	1.233	Yes	1	2.238	11.98	12	2
01176	1431	1430	12	73.99	0.003	1.753	1.753	Pressurized	2.69	0.773	0.944	0.773	0.563	0.537	1.857	Yes	1	2.232	9.74	10	2
01177	1598	1597	8	434.46	0.006	0.587	0.587	Free Surface	2.894	0.564	0.61	0.376	0.36	0.921	0.963	Yes	0.667	1.682			
01178	1599	1,598.00	8	281.18	0.004	0.582	0.582	Free Surface	2.384	0.659	0.772	0.439	0.358	0.676	0.754	No	0.439	2.384			
01179	1600	1599	8	173.21	0.028	0.577	0.577	Free Surface	5.004	0.365	0.284	0.243	0.357	2.081	2.028	Yes	0.342	3.202			
01180	1413	1600	8	151.26	0.014	0.031	0.031	Free Surface	1.649	0.102	0.022	0.068	0.079	1.349	1.416	Yes	0.154	0.508			
01181	1412	1413	8	264.06	0.009	0.005	0.005	Free Surface	0.814	0.049	0.005	0.033	0.032	0.967	1.121	Yes	0.051	0.421			

01182	1411	1413	8	158.32	0.006	0.021	0.021	Free Surface	1.099	0.102	0.022	0.068	0.065	0.899	0.944	Yes	0.069	1.085			
01183	1408	1411	8	148.79	0.007	0.015	0.015	Free Surface	1.071	0.085	0.015	0.057	0.056	0.96	1.03	Yes	0.061	0.978			
01184	1410	1408	8	402.78	0.058	0.005	0.005	Free Surface	1.581	0.031	0.002	0.021	0.032	2.354	2.917	Yes	0.039	0.637			
01185	1601	1600	8	397.22	0.022	0.541	0.541	Free Surface	4.496	0.377	0.302	0.251	0.345	1.836	1.793	No	0.251	4.496			
01186	1602	1638	8	377.41	0.002	0.029	0.029	Free Surface	0.854	0.153	0.051	0.102	0.077	0.567	0.57	Yes	0.667	0.083			
01187	1383	1,602.00	8	323.78	0.016	0.012	0.012	Free Surface	1.299	0.062	0.008	0.041	0.048	1.374	1.541	Yes	0.256	0.094			
01188	1384	1383	8	406.86	0.018	0.006	0.006	Free Surface	1.089	0.044	0.004	0.029	0.034	1.374	1.62	Yes	0.04	0.777			
01189	1340	1638	8	497.42	0.021	1.198	1.198	Free Surface	5.443	0.603	0.678	0.402	0.519	1.651	1.768	Yes	0.667	3.432			
01190	1341	1,340.00	8	500.49	0.021	1.192	1.192	Free Surface	5.426	0.602	0.676	0.402	0.517	1.648	1.764	No	0.40	5.426			
01191	1342	1341	8	501.31	0.02	1.187	1.187	Free Surface	5.306	0.611	0.691	0.408	0.516	1.594	1.716	No	0.408	5.306			
01192	1343	1342	8	504.24	0.02	1.181	1.181	Free Surface	5.282	0.611	0.691	0.407	0.515	1.587	1.709	Yes	0.408	5.276			
01193	2630	1343	8	228.1	0.037	0.984	0.984	Free Surface	6.404	0.453	0.421	0.302	0.471	2.345	2.335	Yes	0.356	5.184			
01194	1344	2630	8	137.97	0.035	0.978	0.978	Free Surface	6.279	0.458	0.429	0.305	0.469	2.285	2.279	No	0.305	6.279			
01195	2631	1344	8	392.33	0.014	0.961	0.961	Free Surface	4.445	0.594	0.662	0.396	0.465	1.363	1.451	No	0.396	4.445			
01197	1339	1338	8	387.54	0.011	0.006	0.006	Free Surface	0.927	0.049	0.005	0.032	0.034	1.107	1.285	Yes	0.041	0.662			
01199	1338	1336	8	374.7	0.007	0.012	0.012	Free Surface	0.95	0.076	0.012	0.051	0.048	0.902	0.983	Yes	0.069	0.606			
01200	599	3019	8	135.45	0.063	0.166	0.166	Free Surface	4.647	0.159	0.055	0.106	0.186	3.028	3.032	Yes	0.111	4.359			
01201	1336	1604	8	197.18	0.003	0.023	0.023	Free Surface	0.934	0.124	0.033	0.082	0.068	0.693	0.712	No	0.082	0.934			
01202	1337	1336	8	401.25	0.006	0.006	0.006	Free Surface	0.726	0.057	0.006	0.038	0.034	0.798	0.904	Yes	0.063	0.349			
01203	1604	1605	8	37.99	0.014	0.029	0.029	Free Surface	1.628	0.098	0.02	0.066	0.077	1.357	1.431	Yes	0.08	1.213			
01204	1605	1603	8	288.57	0.004	0.035	0.035	Free Surface	1.14	0.142	0.044	0.095	0.084	0.787	0.796	Yes	0.253	0.286			
01205	1638	1603	8	320.43	0.008	1.233	1.233	Pressurized	3.532	1	1.11	0.667	0.5	0.762	1.111	No	0.667	3.532	7.10	8	2
01206	1322	1325	8	192.48	0.005	0.069	0.069	Free Surface	1.462	0.194	0.082	0.129	0.119	0.859	0.846	Yes	0.564	0.22			
01207	1734	1733	12	494.15	0.003	0.207	0.207	Free Surface	1.526	0.229	0.115	0.229	0.187	0.669	1.799	No	0.229	1.526			
01208	1733	1732	12	471.54	0.005	0.21	0.21	Free Surface	1.996	0.192	0.08	0.192	0.188	0.962	2.614	Yes	0.391	0.739			
01209	1732	2486	12	408.35	0.004	0.213	0.213	Free Surface	1.874	0.202	0.089	0.202	0.189	0.879	2.378	Yes	1	0.271			
01210	2486	2494	12	70.93	0.002	0.31	0.31	Pressurized	1.644	0.289	0.183	0.289	0.229	0.635	1.697	Yes	1	0.395			
01211	2491	1735	12	98.49	0.002	1.628	1.628	Pressurized	2.073	1	1.168	1	0.5	0.365	1.394	Yes	1.00	2.073	10.22	12	2
01213	1357	1356	8	235.96	0.007	0.052	0.052	Free Surface	1.557	0.152	0.05	0.101	0.103	1.038	1.044	No	0.101	1.557			
01214	2633	1727	8	428.05	0.025	0.84	0.84	Free Surface	5.285	0.465	0.441	0.31	0.434	1.906	1.905	Yes	0.318	5.102			
01215	2634	2633	8	294.74	0.015	0.834	0.834	Free Surface	4.412	0.533	0.556	0.355	0.432	1.459	1.5	No	0.36	4.412			
01216	2632	2631	8	404.40	0.014	0.955	0.955	Free Surface	4.402	0.596	0.665	0.397	0.464	1.347	1.436	No	0.397	4.402			
01217	1345	2632	8	417.7	0.018	0.949	0.949	Free Surface	4.795	0.553	0.591	0.369	0.462	1.546	1.607	Yes	0.383	4.575			
01218	1356	1727	8	332.45	0.026	0.058	0.058	Free Surface	2.505	0.118	0.029	0.078	0.109	1.905	1.967	Yes	0.20	0.644			
01219	1241	1240	8	515.89	0.003	0.072	0.072	Free Surface	1.264	0.22	0.106	0.147	0.122	0.693	0.677	Yes	0.158	1.136			
01220	1240	1239	8	506.06	0.002	0.078	0.078	Free Surface	1.134	0.25	0.137	0.167	0.126	0.581	0.565	No	0.17	1.134			
01221	1630	1239	10	343.65	0.005	1.188	1.188	Free Surface	3.087	0.665	0.781	0.554	0.486	0.778	1.522	No	0.554	3.087			
01222	1629	1630	10	331.04	0.005	1.184	1.184	Free Surface	3.206	0.641	0.741	0.534	0.485	0.832	1.597	Yes	0.544	3.139			
01223	1628	1629	10	405.37	0.005	1.179	1.179	Free Surface	3.208	0.638	0.737	0.532	0.484	0.835	1.6	Yes	0.533	3.2			
01224	1632	1631	8	280.53	0.005	0.127	0.127	Free Surface	1.738	0.263	0.152	0.175	0.163	0.867	0.841	No	0.175	1.738			
01225	1633	1632	8	281.23	0.004	0.122	0.122	Free Surface	1.605	0.27	0.159	0.18	0.159	0.789	0.765	No	0.18	1.605			
01226	2382	1633	8	282.06	0.004	0.116	0.116	Free Surface	1.562	0.266	0.155	0.177	0.156	0.774	0.751	Yes	0.181	1.524			
01227	1210	1549	8	86.07	0.018	0.003	0.003	Free Surface	0.918	0.033	0.002	0.022	0.025	1.331	1.635	Yes	0.052	0.26			
01228	1549	1546	10	198.68	0.004	0.028	0.028	Free Surface	0.984	0.1	0.021	0.083	0.071	0.729	1.34	No	0.083	0.984			
01229	1571	1570	8	298.77	0.01	0.016	0.016	Free Surface	1.215	0.081	0.014	0.054	0.057	1.116	1.205	Yes	0.063	0.985			
01230	1572	1571	8	284.78	0.032	0.008	0.008	Free Surface	1.478	0.045	0.004	0.03	0.04	1.839	2.16	Yes	0.044	0.821			
01231	1615	1616	8	401.05	0.014	0.604	0.604	Free Surface	3.898	0.456	0.426	0.304	0.365	1.422	1.417	Yes	0.345	3.316			
01232	1616	1,617.00	8	399.18	0.006	0.612	0.612	Free Surface	2.903	0.582	0.641	0.388	0.368	0.904	0.955	Yes	0.424	2.616			
01233	2921	1618	8	420.59	0.008	0.629	0.629	Free Surface	3.173	0.553	0.591	0.369	0.373	1.023	1.063	Yes	0.393	2.941			
01234	1540	1618	8	149.31	0.004	0.348	0.348	Free Surface	2.17	0.469	0.447	0.312	0.274	0.778	0.779	No	0.312	2.17			
01235	880	1704	8	105.13	0.008	0.006	0.006	Free Surface	0.831	0.052	0.005	0.035	0.034	0.955	1.097	Yes	0.043	0.612			
01236	1704	879	8	179	0.008	0.012	0.012	Free Surface	1.009	0.073	0.011	0.049	0.048	0.979	1.072	Yes	0.049	0.993			
01239	1647	1646	15	275.38	0.042	3.711	3.711	Free Surface	9.273	0.362	0.28	0.452	0.778	2.831	13.272	Yes	0.544	7.242			
01240	607	1666	14	399.49	0.022	3.031	3.031	Free Surface	6.916	0.429	0.383	0.5	0.715	1.979	7.923	Yes	0.513	6.695			
01241	1666	1,665.00	14	298.38	0.018	3.042	3.042	Free Surface	6.446	0.454	0.423	0.53	0.717	1.783	7.192	No	0.53	6.446			
01242	1665	1647	14	335.21	0.025	3.053	3.053	Free Surface	7.268	0.415	0.361	0.485	0.718	2.119	8.453	No	0.49	7.268			
01243	1646	1645	15	478.48	0.013	3.721	3.721	Free Surface	5.971	0.506	0.51	0.633	0.779	1.49	7.29	Yes	0.656	5.708			
01244	1645	1644	15	371.19	0.01	3.731	3.731	Free Surface	5.503	0.541	0.571	0.677	0.781	1.314	6.538	Yes	1.051	3.387			
01245	1644	1643	15	284.05	0.003	3.741	3.741	Pressurized	3.048	1	1.103	1.25	0.743	0.48	3.392	No	1.25	3.048	12.94	15	2
01246	1114	1113	8	151.26	0.016	0.005	0.005	Free Surface	0.974	0.04	0.003	0.027	0.03	1.275	1.52	Yes	0.034	0.683			
01247	1113	1112	8	400.2	0.012	0.009	0.009	Free Surface	1.102	0.059	0.007	0.04	0.043	1.189	1.341	Yes	0.667	0.027			
01248	1117	1116	8	192.41	0.006	4.338	4.338	Pressurized	12.426	1	4.714	0.667	0.455	2.682	0.92	Yes	0.67	12.426	12.01	15	2
01249	1116	1109	8	398.43	0.005	5.229	5.229	Pressurized	14.981	1	6.007	0.667	0.442	3.233	0.871	Yes	0.67	14.981	17.29	18	1
01250	1109	1110	8	183.7	0.003	5.234	5.234	Pressurized	14.994	1	7.742	0.667	0.388	3.236	0.676	Yes	0.67	14.994	19.03	21	1
01251	1111	1110	8	330.06	0.01	0.019	0.019	Pressurized	1.284	0.085	0.015	0.057	0.061	1.151	1.235	Yes	0.67	0.053			
01252	1112	1111	8	351.84	0.006	0.014	0.014	Pressurized	0.947	0.086	0.015	0.058	0.053	0.844	0.904	Yes	0.667	0.04			
01253	1654	1653	8	259.54	0.003	0.002	0.002	Free Surface	0.438	0.04	0.003	0.027	0.02	0.576	0.688	Yes	0.031	0.345			
01254	1653	1652	8	260.94	0.002	0.004	0.004	Free Surface	0.49	0.059	0.007	0.039	0.029	0.53	0.598	Yes	0.041	0.46			
01255	1652	1656	8	136.18	0.006	0.006	0.006	Free Surface	0.779	0.057	0.006	0.038	0.035	0.859	0.974	Yes	0.048	0.544			
01256	1656	1655	8	94.25	0.006	0.014	0.014	Free Surface	0.953	0.088	0.016	0.059	0.054	0.842	0.9	Yes	0.065	0.828			
01257	1795	43	8	142.36	0.011	0.048	0.048	Free Surface	1.754	0.132	0.037	0.088	0.099	1.257	1.282	No	0.088	1.754			
01258	444	1795	8	129.34	0.079	0.043	0.043	Free Surface	3.346	0.078	0.013	0.052	0.093	3.132	3.4	Yes	0.068	2.291			
01259	208	444	8	42.16	0.087	0.037	0.037	Free Surface	3.326	0.072	0.01	0.048	0.087	3.252	3.571	Yes	0.051	3.027			
01260	1115	1719	15	339.9	0.022	3.771	3.771	Free Surface	7.383	0.434	0.391	0.542	0.785	2.026	9.654	Yes	0.553	7.207			
01261	1719	1,718.00	15	330.99	0.02	3.781	3.781	Free Surface	7.091	0.448	0.414	0.561	0.786	1.908	9.133	Yes	0.628	6.12			
01262	1154	1717	8	402.45	0.037	0.02	0.02	Free Surface	2.051	0.065	0.009	0.044	0.064	2.105	2.342	Yes	0.05	1.693			
01263	1717	1150	8	299	0.034	0.03	0.03	Free Surface	2.244	0.081	0.013	0.054	0.078	2.065	2.231	Yes	0.67	0.086			
01265	1722	1723	8	131.67	0.081	0.822	0.822	Free Surface	8.097	0.333	0.239	0.222	0.429	3.549	3.444	Yes	0.278	5.963			
01266	647	1722	8	267.82	0.04	0.818	0.818	Free Surface	6.241	0.401	0.339	0.268	0.428	2.456	2.41	No	0.268	6.241			
01267	1735	1737	12	488.47	0.002	1.638	1.638	Pressurized	2.085	1	1.029	1	0.536	0.367	1.592	Yes	1.00	2.085	10.24	12	2
01268	1737	1738	12	483.82	0.001	1.642	1.642	Pressurized	2.091	1	1.54	1	0.434	0.369	1.066	Yes	1	2.091	11.68	12	2
01269	2568	2564	8	268.55	0.007	0.068	0.068	Free Surface	1.657	0.174	0.066	0.116	0.118	1.029	1.022	Yes	0.63	0.197			
01270	1739	1594	8	138.12	0.017	0.004	0.004	Free Surface	0.941	0.036	0.002	0.024	0.027	1.312	1.594	Yes	0.141	0.069			
01271	1739	1637	8	156.22	0.001	0.001	0.001	Free Surface	0.262	0.036	0.002	0.024	0.014	0.366	0.444	Yes	0.031	0.177			
01272	1699	1700	12	353.76	0.055	2.165	2.165	Free Surface	8.961	0.346	0.258	0.346	0.629	3.134	8.393	Yes	0.378	7.959			
01273	1700	2808	12	323.62	0.029	2.176	2.176	Free Surface	7.115	0.413	0.357	0.413	0.631	2.25	6.099	Yes	0.50	5.533			
01275	1702	1701	12	286.39	0.004	2.242	2.242	Free Surface	3.444	0.772	0.943	0.772	0.64	0.689	2.379	No	0.772	3.444	13.12	15	1
01276	1701	1544	12	162.41	0.026	2.452	2.452	Free Surface	7.046	0.455	0.425	0.455	0.671	2.101	5.767	No	0.46	7.046			
01277	1544	2817	12	85.96	0.028	2.463	2.463	Free Surface	7.276	0.446	0.41	0.446	0.672	2.197	6.014	Yes	0.504	6.215			
01278	2865	607	12	317.88	0.01	2.953	2.953	Free Surface	5.015	0.702	0.84	0.702	0.737	1.102	3.516	No	0.702	5.015	12.25	15	1
01279	1160	2817	8	113.69	0.049	0.446	0.446	Free Surface	5.686	0.276	0.167	0.184	0.312	2.763	2.678	Yes	0.373	2.221			
01280	1658	1160	8	313.3	0.068	0.302	0.302	Free Surface	5.702	0.209	0.096	0.14	0.255	3.213	3.15	Yes	0.16	4.622			
01282	1671	2816	8	297.99	0.006	0.121	0.121	Free Surface	1.885	0.24	0.126	0.16	0.159	0.988	0.962	No	0.16	1.885			
01283	1664	1671	8	73.96	0.022	0.11	0.11	Free Surface	2.861	0.168	0.061	0.112	0.151	1.811	1.805	Yes	0.136	2.155			
01284	1663	1664	8	178.38	0.034	0.099	0.099	Free Surface	3.208	0.144	0.045	0.096	0.143	2.198	2.221	Yes	0.106	2.78			
01285	1662	2810	8	247.5	0.033	0.044	0.044	Free Surface	2.497	0.098	0.02	0.065	0.095	2.084	2.198	Yes	0.081	1.825			
01286	602	1659	8	348.92	0.055	0.011	0.011	Free Surface	1.958	0.045	0.004	0.03	0.047	2.42	2.836	Yes	0.325	0.065			
01287	1538	604	8	214.76	0.006	0.031	0.031	Free Surface	1.26	0.122	0.032	0.081	0.079	0.941	0.968	Yes	0.122	0.696			
01288	619	1538	6	63.25	0.022	0.015	0.015	Free Surface	1.642	0.094	0.018	0.047	0.06	1.62	0.837	Yes	0.064	1.04			
01289	1661	1662	8	130.42	0.054	0.022	0.022	Free Surface	2.408	0.063	0.008	0.042	0.067	2.521	2.819	Yes	0.054	1.68			
01290	1676	1657	8	400.35	0.04	0.225	0.225	Free Surface	4.344	0.206	0.093	0.137	0.219	2.469	2.423	No	0.137	4.344			
01291	1660	1661	8	246.19	0.054	0.011	0.011	Free Surface	1.944	0.046	0.004	0.03	0.047	2.396	2.807	Yes	0.035	1.587			
01292	1073	1676	8	82.56	0.024	0.033	0.033	Free Surface	2.049	0.092	0.018	0.062	0.082	1.765	1.876	Yes	0.099	1.026			
01293	1675	1676	8	385.62	0.012	0.181	0.181	Free Surface	2.657	0.25	0.137	0.166	0.195	1.363	1.325	No	0.166	2.657			
01294	1674	1675	8	396.32	0.01	0.17	0.17	Free Surface	2.426	0.255	0.142	0.17	0.189	1.231	1.196	No	0.17	2.426			
01295	1673	1674	8	404.25	0.01	0.093	0.093	Free Surface	2.039	0.188	0.077	0.125	0.138	1.216	1.201	Yes	0.148	1.612			
01296	1672	1673	8	397.92	0.01	0.019	0.019	Free Surface	1.263	0.087	0.016	0.058	0.062	1.12	1.199	Yes	0.091	0.652			
01297	884	1708	8	267.37	0.064	2.351	2.351	Free Surface	9.703	0.655	0.765	0.437	0.644	2.766	3.074	Yes	0.515	8.12			
01298	1708	1707	10	291.02	0.017	2.484	2.484	Free Surface	5.92	0.719	0.866	0.599	0.7	1.394	2.868	No	0.60	5.92	8.02	10	2
01299	1707	1,709.00	12	276.24	0.03	2.495	2.495	Free Surface	7.446	0.442	0.404	0.442	0.677	2.259	6.177	Yes	0.453	7.22			
01300	1709	1713	12	326.88	0.026	2.506	2.506	Free Surface	7.038	0.463	0.438	0.463	0.678	2.076	5.716	Yes	0.476	6.795			
01302	1079	1674	8	93.37	0.074	0.066	0.066	Free Surface	3.745	0.098	0.02	0.065	0.117	3.125	3.296	Yes	0.118	1.594			
01303	1712	1,713.00	8	127.72	0.027	0.056	0.056	Free Surface	2.521	0.115	0.028	0.077	0.107	1.94	2.009	Yes	0.28	0.399			
01304	1711	1712	8	148.66	0.006	0.037	0.037	Free Surface	1.345	0.134	0.038	0.089	0.087	0.957	0.974	No	0.09	1.345			
01305	1710	1711	8	167.28	0.019	0.019	0.019	Free Surface	1.599	0.074	0.011	0.049	0.062	1.539	1.683	Yes	0.068	0.999			
01306	1713	1714	12	368.02	0.023	2.581	2.581	Free Surface	6.765	0.489	0.481	0.489	0.688	1.93	5.365	No	0.489	6.765			
01307	1714	1715	12	102.41	0.027	2.805	2.805	Free Surface	7.365	0.488	0.48	0.488	0.718	2.103	5.843	Yes	0.516	6.863			
01308	1715	1716	12	354.09	0.019	2.824	2.824	Free Surface	6.469	0.544	0.575	0.544	0.721	1.722	4.91	No	0.544	6.469			
01309	988	1716	8	68.05	0.049	0.056	0.056	Free Surface	3.084	0.1	0.021	0.067	0.107	2.548	2.68	Yes	0.257	0.453			
01310	989	988	8	300.57	0.002	0.037	0.037	Free Surface	0.962	0.169	0.062	0.113	0.087	0.607	0.605	No	0.113	0.962			
01311	990	989	8	308.01	0.002	0.019	0.019	Free Surface	0.697	0.131	0.037	0.087	0.062	0.502	0.512	Yes	0.1	0.569			
01312	946	947	8	606.87	0.01	0.017	0.017	Free Surface	1.218	0.084	0.015	0.056	0.059	1.099	1.181	Yes	0.063	1.029			
01313	1575	1650	18	336.65	0.003	2.521	2.521	Free Surface	3.01	0.48	0.465	0.719	0.601	0.709	5.415	Yes	1.5	1.426			
01314	1650	1747	18	400.12	0.017	2.521	2.521	Free Surface	5.952	0.289	0.182	0.434	0.601	1.88	13.831	Yes	0.745	2.877			
01315	871	953	8	298.02	0.016	0.011	0.011	Free Surface	1.286	0.06	0.007	0.04	0.047	1.38	1.553	Yes	0.05	1.005			
01316	953	872	8	96.78	0.016	0.022	0.022	Free Surface	1.588	0.083	0.014	0.055	0.067	1.444	1.555	Yes	0.057	1.533			
01317	1044	976	8	266.36	0.031	0.089	0.089	Free Surface	3.008	0.139	0.042	0.093	0.135	2.097	2.126	Yes	0.121	2.064			

01318	1046	1045	8	214.66	0.008	0.003	0.003	Free Surface	0.68	0.04	0.003	0.027	0.025	0.896	1.071	Yes	0.029	0.585			
01319	1047	1045	8	204.71	0.086	0.01	0.01	Free Surface	2.191	0.038	0.003	0.025	0.044	2.959	3.561	Yes	0.029	1.813			
01320	1045	1048	8	274.23	0.052	0.016	0.016	Free Surface	2.139	0.054	0.006	0.036	0.057	2.41	2.75	Yes	0.041	1.764			
01321	1747	1748	18	500.13	0.004	5.732	5.732	Free Surface	4.31	0.704	0.844	1.056	0.924	0.771	6.792	Yes	1.397	3.343	14.39	15	2
01322	1748	1750	18	331.18	0.002	5.793	5.793	Pressurized	3.278	1	1.141	1.5	0.867	0.472	5.078	No	1.5	3.278	16.45	18	2
01324	1184	1762	8	143.61	0.004	0.059	0.059	Free Surface	1.266	0.192	0.081	0.128	0.11	0.747	0.736	No	0.128	1.266			
01325	1762	1749	8	164.92	0.007	0.061	0.061	Free Surface	1.578	0.169	0.062	0.113	0.112	0.996	0.992	Yes	0.174	0.846			
01326	1749	1748	8	503.42	0.003	0.061	0.061	Free Surface	1.191	0.205	0.092	0.137	0.112	0.678	0.666	Yes	0.667	0.176			
01337	1728	1729	10	332.16	0.004	1.168	1.168	Free Surface	2.874	0.698	0.834	0.582	0.482	0.695	1.4	Yes	0.59	2.839	7.92	8	2
01338	1729	1628	10	335.76	0.004	1.174	1.174	Free Surface	2.818	0.714	0.859	0.595	0.483	0.668	1.367	No	0.60	2.818	7.94	8	2
01339	1144	1123	21	358.98	0.003	12.679	12.679	Pressurized	5.271	1	1.467	1.75	1.092	0.702	8.645	Yes	1.75	5.271	20.45	21	2
01340	1142	1147	18	454.92	0.001	5.29	5.29	Pressurized	2.993	1	1.299	1.5	0.773	0.431	4.072	Yes	1.5	2.993	18.11	21	2
01341	1146	1142	8	35.66	0.006	5.285	5.285	Pressurized	15.14	1	5.759	0.667	0.454	3.268	0.918	Yes	0.667	15.14	16.77	18	1
01342	1121	1146	8	357.95	0.003	5.276	5.276	Pressurized	15.114	1	7.716	0.667	0.39	3.262	0.684	Yes	0.67	15.114	19.09	21	1
01343	1143	1121	8	329.8	0.004	5.271	5.271	Pressurized	15.1	1	7.153	0.667	0.406	3.259	0.737	Yes	0.667	15.1	18.08	21	1
01344	2819	1119	8	407.02	0.006	5.262	5.262	Pressurized	15.074	1	5.686	0.667	0.456	3.253	0.925	Yes	0.667	15.074	16.75	18	1
01345	1145	1144	21	397.83	0.002	12.674	12.674	Pressurized	5.269	1	1.71	1.75	1.008	0.702	7.412	Yes	1.75	5.269	22.06	24	2
01346	2556	1145	21	222.61	0.002	12.67	12.67	Pressurized	5.267	1	1.78	1.75	0.987	0.702	7.119	Yes	1.75	5.267	22.06	24	2
01347	2554	2546	15	247.87	0.02	12.582	12.582	Pressurized	10.253	1	1.366	1.25	1.162	1.616	9.208	Yes	1.25	10.253	14.29	15	2
01348	1607	2555	12	244.05	0.028	5.629	5.629	Pressurized	8.67	0.77	0.94	0.77	0.944	1.739	5.989	Yes	1.00	7.167	12.87	15	1
01349	1609	1607	12	386.25	0.031	5.583	5.583	Free Surface	9.069	0.731	0.885	0.731	0.942	1.918	6.307	Yes	1.00	7.108	12.58	15	1
01350	1608	1721	8	109.31	0.028	0.028	0.028	Free Surface	2.051	0.082	0.014	0.055	0.075	1.878	2.027	Yes	0.065	1.577			
01352	1166	3009	8	287.96	0.025	0.009	0.009	Free Surface	1.407	0.05	0.005	0.034	0.043	1.65	1.905	No	0.034	1.407			
01353	3010	1808	8	122.47	0.006	0.019	0.019	Free Surface	1.06	0.097	0.02	0.065	0.061	0.888	0.938	No	0.065	1.06			
01354	1164	1808	8	157.02	0.106	0.009	0.009	Free Surface	2.335	0.036	0.002	0.024	0.043	3.253	3.951	Yes	0.033	1.42			
01355	1807	1164	8	223.31	0.038	0.005	0.005	Free Surface	1.328	0.033	0.002	0.022	0.03	1.931	2.377	Yes	0.024	1.124			
01356	1163	1162	8	178.06	0.064	0.009	0.009	Free Surface	1.956	0.04	0.003	0.027	0.043	2.566	3.062	Yes	0.03	1.655			
01357	1804	1158	8	222.63	0.01	0.005	0.005	Free Surface	0.845	0.044	0.004	0.03	0.03	1.055	1.241	Yes	0.037	0.609			
01358	1158	1803	8	238.15	0.012	0.009	0.009	Free Surface	1.089	0.06	0.007	0.04	0.043	1.17	1.318	Yes	0.043	0.961			
01359	1803	1610	8	147.04	0.037	0.023	0.023	Free Surface	2.14	0.07	0.01	0.047	0.068	2.118	2.333	Yes	0.416	0.101			
01360	1156	1157	8	259.15	0.064	0.005	0.005	Free Surface	1.582	0.029	0.002	0.019	0.03	2.442	3.06	Yes	0.02	1.47			
01361	1157	1803	8	266.08	0.074	0.009	0.009	Free Surface	2.064	0.039	0.003	0.026	0.043	2.757	3.307	Yes	0.036	1.246			
01362	1611	1612	12	354.82	0.031	5.546	5.546	Free Surface	8.979	0.734	0.889	0.734	0.941	1.893	6.241	Yes	1	7.061	12.55	15	1
01363	1612	1,610.00	12	161.38	0.022	5.55	5.55	Pressurized	7.067	1	1.042	1	0.932	1.245	5.328	No	1.00	7.067	13.39	15	1
01365	2880	1608	8	174.18	0.144	0.023	0.023	Free Surface	3.435	0.051	0.005	0.034	0.068	3.996	4.604	Yes	0.044	2.325			
01366	1613	1,611.00	12	396.41	0.039	5.541	5.541	Free Surface	9.975	0.666	0.783	0.666	0.941	2.291	7.08	Yes	0.7	9.438			
01367	1808	2879	8	71.13	0.162	0.032	0.032	Free Surface	3.965	0.058	0.007	0.039	0.081	4.32	4.884	Yes	0.555	0.104			
01368	1147	1148	18	298.53	0.003	5.294	5.294	Pressurized	3.95	0.709	0.852	1.064	0.886	0.702	6.216	Yes	1.5	2.996	14.74	15	2
01369	1148	1149	18	133.88	0.001	5.304	5.304	Pressurized	3.002	1	1.525	1.5	0.711	0.432	3.478	Yes	1.5	3.002	18.12	21	2
01370	1149	1153	18	293.29	0.002	5.314	5.314	Pressurized	3.007	1	1.187	1.5	0.812	0.433	4.477	Yes	1.50	3.007	15.93	18	2
01371	1150	1151	8	41.35	0.016	0.04	0.04	Pressurized	1.883	0.111	0.026	0.074	0.09	1.476	1.534	Yes	0.667	0.114			
01372	2875	2876	15	493.18	0.021	3.801	3.801	Free Surface	7.204	0.445	0.408	0.556	0.788	1.948	9.312	No	0.556	7.204			
01373	1151	1153	8	51.3	0.106	0.05	0.05	Pressurized	3.896	0.079	0.013	0.053	0.101	3.638	3.945	Yes	0.667	0.143			
01374	1153	1155	18	138.04	0.003	9.195	9.195	Pressurized	5.203	1	1.583	1.5	0.93	0.749	5.81	Yes	1.50	5.203	18.13	21	2
01375	1155	MH22	18	76.93	0.021	9.205	9.205	Pressurized	9.07	0.558	0.6	0.838	1.173	1.937	15.331	Yes	1.5	5.209			
01376	1819	1,820.00	18	326.50	0.014	21.917	21.917	Pressurized	12.402	1	1.771	1.5	1.329	1.785	12.378	Yes	1.5	12.402	18.81	21	2
01377	2976	1,821.00	18	254.94	0.004	21.917	21.917	Pressurized	12.402	1	3.445	1.5	0.975	1.785	6.361	No	1.5	12.402	23.79	24	2
01378	682	688	6	256.09	0.007	0.023	0.023	Pressurized	1.221	0.153	0.051	0.077	0.074	0.936	0.458	Yes	0.5	0.118			
01379	681	682	6	109.73	0.018	0.012	0.012	Pressurized	1.393	0.087	0.016	0.044	0.052	1.428	0.745	Yes	0.5	0.059			
01381	1483	1,764.00	8	81.52	0.006	0.058	0.058	Free Surface	1.531	0.166	0.06	0.11	0.109	0.975	0.973	Yes	0.124	1.301			
01382	1766	1765	8	105.34	0.006	0.017	0.017	Free Surface	1.032	0.092	0.018	0.061	0.058	0.891	0.947	Yes	0.07	0.84			
01384	879	887	8	278.61	0.034	0.023	0.023	Free Surface	2.074	0.072	0.01	0.048	0.068	2.03	2.229	Yes	0.159	0.362			
01386	2860	1792	8	76.63	0.037	0.006	0.006	Free Surface	1.405	0.037	0.002	0.024	0.034	1.932	2.338	Yes	0.033	0.918			
01387	1892	1891	8	272.92	0.008	0.004	0.004	Free Surface	0.723	0.044	0.004	0.029	0.028	0.906	1.066	Yes	0.032	0.625			
01388	1891	1889	8	308.09	0.02	0.008	0.008	Free Surface	1.246	0.049	0.005	0.032	0.04	1.485	1.722	Yes	0.048	0.695			
01389	1801	1601	8	213.44	0.005	0.535	0.535	Free Surface	2.568	0.577	0.632	0.385	0.343	0.804	0.847	No	0.385	2.568			
01390	1802	1801	8	182.53	0.008	0.021	0.021	Free Surface	1.23	0.095	0.019	0.063	0.065	1.047	1.109	Yes	0.224	0.2			
01391	1289	1292	8	167.54	0.022	0.014	0.014	Free Surface	1.546	0.063	0.008	0.042	0.054	1.611	1.8	No	0.042	1.546			
01392	1290	1289	8	113.32	0.015	0.012	0.012	Free Surface	1.275	0.062	0.008	0.041	0.048	1.342	1.503	No	0.041	1.275			
01394	1299	1290	8	200.28	0.085	0.009	0.009	Free Surface	2.114	0.036	0.002	0.024	0.042	2.916	3.531	Yes	0.032	1.402			
01396	1105	992	8	236.17	0.003	0.006	0.006	Free Surface	0.596	0.065	0.008	0.044	0.034	0.612	0.681	No	0.04	0.596			
01400	152	151	8	333.69	0.02	1.163	1.163	Free Surface	5.281	0.604	0.678	0.402	0.511	1.601	1.716	No	0.402	5.281			
01401	144	544	10	174.98	0.02	0.074	0.074	Free Surface	2.359	0.107	0.024	0.089	0.116	1.684	3.071	No	0.089	2.359			
01402	545	491	12	166.73	0.021	0.089	0.089	Free Surface	2.497	0.091	0.017	0.091	0.122	1.768	5.188	Yes	0.093	2.437			
01403	546	152	8	310.87	0.03	1.159	1.159	Free Surface	6.196	0.528	0.548	0.352	0.51	2.06	2.115	Yes	0.378	5.683			
01404	491	153	12	152.44	0.019	0.098	0.098	Free Surface	2.5	0.097	0.02	0.097	0.128	1.711	4.979	No	0.10	2.5			
01405	153	149	12	191.71	0.023	0.103	0.103	Free Surface	2.699	0.095	0.019	0.095	0.131	1.867	5.447	No	0.095	2.699			
01406	149	150	12	139.12	0.042	0.126	0.126	Free Surface	3.52	0.091	0.017	0.091	0.145	2.489	7.3	Yes	0.095	3.309			
01407	147	145	8	290.68	0.021	0.005	0.005	Free Surface	1.077	0.038	0.003	0.025	0.03	1.46	1.758	Yes	0.032	0.759			
01408	145	146	8	168.09	0.016	0.009	0.009	Free Surface	1.209	0.056	0.006	0.037	0.043	1.347	1.532	Yes	0.04	1.068			
01409	146	148	8	36.22	0.015	0.014	0.014	Free Surface	1.333	0.069	0.009	0.046	0.053	1.336	1.477	No	0.046	1.333			
01410	148	149	8	39.37	0.082	0.019	0.019	Free Surface	2.633	0.053	0.005	0.035	0.061	3.019	3.463	Yes	0.061	1.147			
01413	15	16	8	385.15	0.023	0.039	0.039	Free Surface	2.128	0.101	0.021	0.068	0.09	1.747	1.835	Yes	0.075	1.813			
01414	17	21	8	29.48	0.024	0.053	0.053	Pressurized	2.371	0.115	0.028	0.076	0.104	1.829	1.893	Yes	0.667	0.151			
01415	994	873	8	143.88	0.079	0.088	0.088	Free Surface	4.165	0.111	0.026	0.074	0.135	3.269	3.399	Yes	0.096	2.86			
01416	1813	1809	8	248.32	0.011	0.036	0.036	Pressurized	1.595	0.117	0.029	0.078	0.086	1.218	1.259	Yes	0.667	0.104			
01417	1809	1810	8	148.73	0.013	0.04	0.04	Pressurized	1.737	0.118	0.029	0.078	0.09	1.322	1.365	Yes	0.667	0.115			
01418	1818	1,811.00	8	297.30	0.007	3.21	3.21	Pressurized	9.197	1	3.219	0.667	0.474	1.985	0.997	Yes	0.67	9.197	10.42	12	2
01419	1811	1,810.00	8	157.05	0.008	3.214	3.214	Pressurized	9.207	1	2.953	0.667	0.495	1.987	1.088	Yes	0.667	9.207	10.17	12	2
01420	1810	1812	8	376.27	0.041	3.258	3.258	Pressurized	9.332	1	1.335	0.667	0.647	2.014	2.439	No	0.667	9.332	7.52	8	2
01421	1812	1814	8	330.56	0.079	3.261	3.261	Free Surface	11.131	0.782	0.956	0.522	0.66	2.688	3.413	Yes	0.67	9.343	6.66	8	2
01422	1814	1815	8	357.28	0.066	3.265	3.265	Pressurized	9.353	1	1.047	0.667	0.659	2.019	3.118	Yes	0.667	9.353	6.89	8	2
01423	1815	1817	8	312.08	0.063	3.268	3.268	Pressurized	9.363	1	1.072	0.667	0.659	2.021	3.05	Yes	0.667	9.363	6.95	8	2
01424	1816	1817	8	221.56	0.001	0.007	0.007	Pressurized	0.445	0.087	0.016	0.058	0.036	0.395	0.423	Yes	0.667	0.019			
01426	1730	1602	8	121.06	0.005	0.012	0.012	Free Surface	0.873	0.081	0.013	0.054	0.048	0.806	0.872	Yes	0.262	0.091			
01427	1731	1730	8	493.96	0.004	0.006	0.006	Free Surface	0.654	0.061	0.007	0.041	0.034	0.694	0.779	Yes	0.048	0.518			
01428	351	2834	8	340.59	0.057	2.422	2.422	Free Surface	9.279	0.7	0.837	0.467	0.647	2.502	2.892	Yes	0.667	6.937	6.33	8	2
01429	262	263	8	102.27	0.014	0.005	0.005	Free Surface	0.985	0.044	0.004	0.029	0.033	1.236	1.456	Yes	0.03	0.842			
01430	437	436	8	173.19	0.009	0.006	0.006	Free Surface	0.863	0.051	0.005	0.034	0.034	1.01	1.165	Yes	0.038	0.724			
01431	436	435	8	247.07	0.016	0.011	0.011	Free Surface	1.283	0.062	0.008	0.041	0.048	1.356	1.521	Yes	0.569	0.036			
01432	435	434	8	288.53	0.001	0.017	0.017	Free Surface	0.568	0.142	0.043	0.094	0.059	0.392	0.397	No	0.094	0.568			
01433	378	377	8	327.36	0.011	0.004	0.004	Free Surface	0.848	0.043	0.003	0.028	0.03	1.083	1.281	Yes	0.029	0.82			
01434	377	376	8	97.58	0.037	0.009	0.009	Free Surface	1.587	0.044	0.004	0.03	0.042	1.98	2.327	Yes	0.033	1.327			
01435	295	188	8	326.79	0.026	0.104	0.104	Free Surface	2.972	0.157	0.053	0.104	0.147	1.95	1.955	Yes	0.105	2.938			
01436	188	394	8	186.21	0.027	0.109	0.109	Free Surface	3.05	0.159	0.055	0.106	0.15	1.985	1.987	Yes	0.112	2.834			
01437	394	164	8	284.12	0.032	0.145	0.145	Free Surface	3.525	0.176	0.067	0.117	0.174	2.178	2.162	Yes	0.133	2.926			
01438	164	155	8	310.83	0.014	0.156	0.156	Free Surface	2.661	0.224	0.11	0.15	0.181	1.446	1.412	Yes	0.17	2.255			
01439	100	101	12	358.12	0.006	0.895	0.895	Free Surface	3.11	0.394	0.328	0.394	0.396	1.01	2.727	No	0.394	3.11			
01440	101	320	12	138.91	0.01	0.899	0.899	Free Surface	3.719	0.347	0.258	0.347	0.397	1.3	3.482	No	0.347	3.719			
01441	98	99	12	227.18	0.004	0.886	0.886	Free Surface	2.676	0.438	0.397	0.438	0.394	0.816	2.23	No	0.438	2.676			
01442	99	100	12	393.93	0.005	0.891	0.891	Free Surface	2.995	0.404	0.343	0.404	0.395	0.959	2.594	No	0.404	2.995			
01443	1828	1829	8	12.65	0.038	0.03	0.03	Free Surface	2.351	0.08	0.013	0.053	0.079	2.185	2.367	Yes	0.057	2.13			
01444	1829	91	8	33.11	0.036	0.035	0.035	Free Surface	2.392	0.086	0.015	0.057	0.084	2.136	2.29	Yes	0.296	0.233			
01445	1832	1831	8	253.3	0.02	0.005	0.005	Free Surface	1.098	0.04	0.003	0.027	0.032	1.441	1.719	Yes	0.031	0.875			
01446	1831	1830	8	175.17	0.018	0.01	0.01	Free Surface	1.295	0.057	0.006	0.038	0.046	1.42	1.608	No	0.038	1.295			
01447	1834	1833	8	117.91	0.03	0.03	0.03	Free Surface	2.163	0.084	0.015	0.056	0.079	1.954	2.101	Yes	0.058	2.044			
01448	1835	1834	8	178.44	0.041	0.026	0.026	Free Surface	2.296	0.073	0.011	0.049	0.073	2.232	2.446	Yes	0.05	2.192			
01449	1836	1835	8	138.27	0.023	0.013	0.013	Free Surface	1.518	0.06	0.007	0.04	0.051	1.624	1.827	Yes	0.046	1.227			
01450	1838	1,837.00	8	204.17	0.02	0.004	0.004	Free Surface	1.047	0.037	0.003	0.025	0.03	1.434	1.734	Yes	0.032	0.701			
01451	1837	1836	8	220.99	0.011	0.009	0.009	Free Surface	1.035	0.059	0.007	0.04	0.042	1.116	1.258	Yes	0.041	0.971			
01452	1840	1839	8	232.89	0.011	0.004	0.004	Free Surface	0.856	0.042	0.003	0.028	0.03	1.095	1.296	Yes	0.029	0.814			
01453	1839	1835	8	182.78	0.022	0.009	0.009	Free Surface	1.331	0.05	0.005	0.033	0.042	1.564	1.807	Yes	0.043	0.915			
01454	1784	1864	8	134.01	0.008	0.422	0.422	Free Surface	2.844	0.441	0.402	0.294	0.303	1.058	1.05	No	0.294	2.844			
01455	1864	2627	8	195.3	0.051	0.427	0.427	Free Surface	5.716	0.267	0.156	0.178	0.305	2.829	2.744	Yes	0.21	4.581			
01456	980	971	8	147.69	0.016	0.111	0.111	Free Surface	2.538	0.183	0.073	0.122	0.152	1.536	1.519	Yes	0.19	1.352			
01457	1843	1844	8	154.84	0.01	1.075	1.075	Free Surface	3.878	0.741	0.898	0.494	0.492	0.992	1.196	Yes	0.667	3.079	8.39	10	1
01458	1844	1,845.00	8	194.23	0.007	1.079	1.079	Pressurized	3.09	1	1.101	0.667	0.47	0.667	0.98	Yes	0.67	3.09	8.98	10	1
01460	1848	1847	8	342.08	0.01	0.065	0.065	Free Surface	1.873	0.156	0.053	0.104	0.116	1.23	1.233	Yes	0.105	1.846			
01461	1849	1848	8	331.42	0.03	0.061	0.061	Free Surface	2.656	0.117	0.029	0.078	0.112	2.024	2.09	Yes	0.092	2.105			
01462	1846	1849	8	159.10	0.063	0.004	0.004	Free Surface	1.544	0.028	0.001	0.019	0.03	2.412	3.033	Yes	0.048	0.388			
01463	1850	1849	8	166.25	0.035	0.052	0.052	Free Surface	2.678	0.105	0.023	0.07	0.103	2.159	2.259	Yes	0.074	2.488			
01464	1851	1850	8	489.95	0.025	0.048	0.048	Free Surface	2.33	0.109	0.025	0.073	0.099	1.845	1.922	No	0.073	2.33			
01465	1856	1,854.00	8	205.59	0.021	0.004	0.004	Free Surface	1.048	0.037	0.003	0.025	0.03	1.436	1.736	Yes	0.041	0.492			
01466	1855	1854	8	95.27	0.001	0.004	0.004	Free Surface	0.388	0.072	0.01	0.048	0.03	0.379	0.415	Yes	0.053	0.339			
01467	1854	1853	8	219.38	0.006	0.013	0.013	Free Surface	0.948	0.083	0.014	0.055	0.051	0.863	0.929	Yes	0.063	0.789			
01468	1853	1852	8	168.56	0.012	0.029	0.029	Free Surface	1.531	0.103	0.022	0.069	0.077	1.245	1.305	Yes	0.072	1.425			
01469	1852	1851	8	130.28	0.014	0.044	0.044	Free Surface	1.841	0.12	0.03	0.08	0.094	1.388	1.43	No	0.08	1.841			

01470	1859	1858	8	255.4	0.035	0.003	0.003	Free Surface	1.134	0.028	0.001	0.018	0.025	1.797	2.27	Yes	0.024	0.765			
01471	1858	1857	8	129.07	0.023	0.007	0.007	Free Surface	1.292	0.046	0.004	0.031	0.039	1.587	1.857	Yes	0.032	1.195			
01472	1857	1853	8	396.04	0.049	0.012	0.012	Free Surface	1.927	0.048	0.004	0.032	0.049	2.317	2.695	Yes	0.051	0.964			
01473	1859	1860	8	370.76	0.006	0.001	0.001	Free Surface	0.478	0.028	0.001	0.018	0.016	0.757	0.957	Yes	0.025	0.312			
01474	1860	1861	8	264.3	0.016	0.006	0.006	Free Surface	1.03	0.044	0.004	0.03	0.034	1.285	1.511	No	0.03	1.03			
01475	1861	1852	8	289.21	0.094	0.01	0.01	Free Surface	2.29	0.038	0.003	0.025	0.045	3.086	3.711	Yes	0.051	0.825			
01476	1900	1901	8	181.24	0.008	0.291	0.291	Free Surface	2.584	0.359	0.276	0.239	0.25	1.085	1.056	Yes	0.262	2.284			
01477	23	24	8	145.77	0.01	3.076	3.076	Pressurized	8.813	1	2.503	0.667	0.525	1.902	1.229	Yes	0.667	8.813	9.59	10	2
01478	1890	1889	8	166.96	0.005	0.004	0.004	Free Surface	0.623	0.049	0.005	0.032	0.028	0.743	0.861	Yes	0.048	0.348			
01479	1887	1886	8	374.14	0.016	0.004	0.004	Free Surface	0.931	0.037	0.003	0.025	0.028	1.271	1.534	Yes	0.046	0.377			
01480	1889	1888	8	298.8	0.006	0.016	0.016	Free Surface	1.009	0.09	0.017	0.06	0.056	0.881	0.94	Yes	0.065	0.904			
01481	1888	1886	8	384.72	0.004	0.02	0.02	Free Surface	0.959	0.108	0.025	0.072	0.063	0.761	0.793	No	0.072	0.959			
01482	1886	1885	8	233.48	0.011	0.027	0.027	Free Surface	1.483	0.101	0.021	0.067	0.075	1.219	1.281	No	0.067	1.483			
01483	1885	1883	8	226.97	0.022	0.031	0.031	Free Surface	1.947	0.092	0.018	0.061	0.08	1.68	1.786	Yes	0.081	1.307			
01484	1883	1882	8	128.92	0.009	0.055	0.055	Free Surface	1.675	0.15	0.048	0.1	0.106	1.126	1.133	Yes	0.238	0.491			
01485	1884	1883	8	216.95	0	0.02	0.02	Free Surface	0.387	0.203	0.09	0.135	0.063	0.222	0.218	No	0.135	0.387			
01486	1881	1880	8	275.45	0.007	0.004	0.004	Free Surface	0.691	0.045	0.004	0.03	0.028	0.853	0.999	Yes	0.039	0.473			
01487	1878	1877	8	98.77	0.009	0.004	0.004	Free Surface	0.757	0.043	0.003	0.029	0.028	0.963	1.138	Yes	0.035	0.561			
01488	1877	1876	8	109.87	0.009	0.008	0.008	Free Surface	0.941	0.059	0.007	0.039	0.04	1.019	1.15	Yes	0.065	0.452			
01489	1876	1875	8	109.74	0.001	0.012	0.012	Free Surface	0.418	0.135	0.039	0.09	0.049	0.296	0.302	No	0.09	0.418			
01490	1875	1874	8	260.08	0.01	0.027	0.027	Free Surface	1.407	0.105	0.023	0.07	0.075	1.135	1.188	Yes	0.074	1.304			
01491	1874	1873	8	82.33	0.008	0.031	0.031	Free Surface	1.386	0.116	0.029	0.077	0.08	1.062	1.098	Yes	0.124	0.696			
01492	1873	963	8	126.01	0	0.035	0.035	Free Surface	0.48	0.263	0.152	0.176	0.085	0.239	0.232	No	0.176	0.48			
01493	1872	1871	8	211.46	0.03	0.004	0.004	Free Surface	1.155	0.032	0.002	0.021	0.028	1.709	2.114	Yes	0.032	0.622			
01494	1871	1870	8	178.16	0.006	0.008	0.008	Free Surface	0.806	0.064	0.008	0.043	0.039	0.834	0.93	Yes	0.046	0.73			
01495	1870	1869	8	402.08	0.008	0.011	0.011	Free Surface	0.998	0.073	0.011	0.049	0.048	0.967	1.059	No	0.049	0.998			
01496	1868	1867	8	223.54	0.006	0.008	0.008	Free Surface	0.833	0.063	0.008	0.042	0.039	0.873	0.976	Yes	0.047	0.704			
01497	1869	1867	8	140.69	0.029	0.015	0.015	Free Surface	1.732	0.061	0.007	0.041	0.056	1.838	2.063	Yes	0.046	1.433			
01498	1867	1866	8	174.32	0.032	0.027	0.027	Free Surface	2.119	0.078	0.012	0.052	0.074	1.989	2.16	Yes	0.072	1.325			
01499	1866	1865	8	215.74	0.004	0.031	0.031	Free Surface	1.064	0.137	0.04	0.091	0.079	0.749	0.761	Yes	0.093	1.029			
01500	1865	728	8	253.19	0.004	0.034	0.034	Free Surface	1.12	0.143	0.044	0.095	0.084	0.77	0.778	Yes	0.251	0.285			
01502	1895	1894	8	275.83	0.006	0.039	0.039	Free Surface	1.297	0.141	0.043	0.094	0.089	0.9	0.912	Yes	0.108	1.057			
01503	1894	1893	8	234.71	0.003	0.044	0.044	Free Surface	1.034	0.18	0.071	0.12	0.095	0.63	0.624	No	0.12	1.034			
01504	1893	1241	8	14.81	0.023	0.05	0.05	Free Surface	2.284	0.113	0.027	0.076	0.101	1.771	1.836	Yes	0.11	1.302			
01505	2912	1895	8	35.97	0.004	0.017	0.017	Free Surface	0.851	0.105	0.023	0.07	0.058	0.686	0.717	Yes	0.08	0.702			
01507	1584	1841	18	482.1	0.002	3.076	3.076	Free Surface	2.546	0.646	0.75	0.97	0.667	0.489	4.098	No	0.97	2.546			
01508	1841	1583	18	80.44	0.008	3.094	3.094	Free Surface	4.67	0.401	0.339	0.602	0.669	1.226	9.133	Yes	0.612	4.567			
01509	1655	1841	8	308.73	0.003	0.016	0.016	Free Surface	0.833	0.106	0.023	0.07	0.058	0.669	0.7	Yes	0.336	0.093			
01510	1902	1901	8	254.34	0.025	0.008	0.008	Free Surface	1.333	0.047	0.004	0.031	0.04	1.625	1.897	Yes	0.158	0.124			
01511	1903	1902	8	244.10	0.039	0.004	0.004	Free Surface	1.273	0.03	0.002	0.02	0.028	1.931	2.407	Yes	0.024	0.973			
01512	1909	1901	8	346.15	0.015	0.004	0.004	Free Surface	0.917	0.038	0.003	0.025	0.028	1.246	1.502	Yes	0.155	0.064			
01513	1908	1907	8	295.58	0.005	0.004	0.004	Free Surface	0.64	0.048	0.004	0.032	0.028	0.769	0.894	Yes	0.039	0.474			
01514	1904	1905	8	364	0.013	0.004	0.004	Free Surface	0.86	0.039	0.003	0.026	0.028	1.142	1.368	Yes	0.032	0.643			
01515	1905	1907	8	278.54	0.022	0.012	0.012	Free Surface	1.455	0.058	0.007	0.038	0.049	1.592	1.802	Yes	0.042	1.262			
01516	1907	1913	8	304.47	0.028	0.02	0.02	Free Surface	1.847	0.069	0.01	0.046	0.063	1.84	2.031	Yes	0.057	1.371			
01517	1912	1913	8	293.87	0.035	0.004	0.004	Free Surface	1.215	0.031	0.002	0.021	0.028	1.814	2.251	Yes	0.044	0.4			
01518	1901	1910	8	302.89	0.004	0.307	0.307	Free Surface	2.124	0.432	0.388	0.288	0.257	0.8	0.792	No	0.288	2.124			
01519	1911	1910	8	273.36	0.017	0.004	0.004	Free Surface	0.96	0.036	0.002	0.024	0.028	1.323	1.603	Yes	0.156	0.063			
01520	1910	1917	8	287.79	0.005	0.315	0.315	Free Surface	2.22	0.426	0.378	0.284	0.26	0.844	0.833	No	0.284	2.22			
01521	1917	1918	8	187.78	0.005	0.319	0.319	Free Surface	2.277	0.422	0.371	0.281	0.262	0.871	0.859	Yes	0.282	2.272			
01522	1918	732	8	162.06	0.005	0.323	0.323	Free Surface	2.328	0.419	0.366	0.279	0.263	0.894	0.881	No	0.28	2.328			
01523	1916	1915	8	297.88	0.008	0.004	0.004	Free Surface	0.726	0.044	0.004	0.029	0.028	0.911	1.073	No	0.029	0.726			
01524	1915	1914	8	288.21	0.036	0.008	0.008	Free Surface	1.525	0.043	0.003	0.028	0.04	1.945	2.301	Yes	0.054	0.581			
01525	1913	1914	8	299.06	0.013	0.027	0.027	Free Surface	1.568	0.097	0.02	0.065	0.075	1.315	1.388	Yes	0.073	1.329			
01526	1914	954	8	177.72	0.013	0.039	0.039	Free Surface	1.763	0.115	0.028	0.076	0.089	1.358	1.407	Yes	0.114	0.991			
01527	1906	1905	8	146.3	0.01	0.004	0.004	Free Surface	0.78	0.042	0.003	0.028	0.028	1.003	1.189	Yes	0.033	0.617			
01530	1945	1944	8	389.48	0.01	0.552	0.552	Free Surface	3.43	0.469	0.448	0.313	0.349	1.229	1.231	No	0.313	3.43			
01531	1922	1921	8	153.44	0.008	0.022	0.022	Free Surface	1.252	0.098	0.02	0.065	0.067	1.045	1.102	No	0.065	1.252			
01532	1921	1920	8	312.98	0.016	0.028	0.028	Free Surface	1.688	0.093	0.018	0.062	0.075	1.446	1.534	Yes	0.3	0.182			
01533	1936	1940	8	238.12	0.008	0.052	0.052	Free Surface	1.632	0.148	0.047	0.098	0.103	1.104	1.113	Yes	0.237	0.472			
01534	1943	1942	15	350.48	0.01	0.57	0.57	Free Surface	3.246	0.201	0.088	0.251	0.294	1.366	6.463	Yes	0.252	3.223			
01535	1942	1941	15	350.19	0.01	0.576	0.576	Free Surface	3.23	0.203	0.09	0.254	0.296	1.352	6.391	No	0.254	3.23			
01536	1941	1,940.00	15	352.63	0.011	0.581	0.581	Free Surface	3.422	0.196	0.084	0.245	0.297	1.458	6.907	Yes	0.31	2.452			
01537	1927	1926	8	168.71	0.01	0.033	0.033	Free Surface	1.52	0.112	0.027	0.075	0.082	1.185	1.23	Yes	0.237	0.294			
01538	1946	1926	8	380.79	0.009	0.552	0.552	Free Surface	3.319	0.481	0.468	0.321	0.349	1.171	1.178	Yes	0.36	2.867			
01539	1926	1947	8	325.31	0.005	0.591	0.591	Free Surface	2.706	0.599	0.671	0.4	0.361	0.825	0.881	No	0.4	2.706			
01540	1947	1940	8	319.09	0.014	0.597	0.597	Free Surface	3.915	0.451	0.418	0.3	0.363	1.438	1.431	Yes	0.338	3.369			
01541	1944	1619	8	257.55	0.015	0.558	0.558	Free Surface	3.958	0.424	0.375	0.283	0.351	1.508	1.488	No	0.283	3.958			
01542	1619	1943	15	271.3	0.008	0.565	0.565	Free Surface	3.053	0.208	0.095	0.26	0.293	1.26	5.951	No	0.26	3.053			
01543	1258	1257	8	80.45	0.008	0.002	0.002	Free Surface	0.612	0.032	0.002	0.021	0.02	0.902	1.114	Yes	0.04	0.292			
01544	2920	1631	8	346.95	0.007	1.03	1.03	Free Surface	3.406	0.809	0.988	0.539	0.482	0.79	1.043	No	0.539	3.406	6.81	8	2
01545	1959	1957	15	452.81	0.017	11.336	11.336	Pressurized	9.237	1	1.333	1.25	1.137	1.456	8.501	Yes	1.25	9.237	14.17	15	2
01546	2412	1960	15	445.21	0.011	11.322	11.322	Pressurized	9.226	1	1.678	1.25	1.044	1.454	6.746	Yes	1.25	9.226	15.36	18	2
01547	1960	1,959.00	15	448.38	0.009	11.329	11.329	Pressurized	9.232	1	1.834	1.25	1.004	1.455	6.178	Yes	1.25	9.232	15.96	18	2
01548	1953	1954	21	303.29	0.004	0.021	0.021	Pressurized	0.816	0.035	0.002	0.061	0.051	0.712	9.697	Yes	1.75	0.009			
01549	1954	1957	21	224.77	0.002	0.043	0.043	Pressurized	0.876	0.053	0.005	0.092	0.073	0.619	7.93	Yes	1.75	0.018			
01550	1958	1954	8	27.14	0.366	0.017	0.017	Free Surface	4.322	0.036	0.002	0.024	0.059	6.031	7.329	Yes	0.67	0.049			
01551	1966	1802	8	269.49	0.032	0.015	0.015	Free Surface	1.793	0.06	0.007	0.04	0.056	1.917	2.157	Yes	0.052	1.239			
01552	772	771	8	261.9	0.021	0.005	0.005	Free Surface	1.081	0.039	0.003	0.026	0.031	1.449	1.74	Yes	0.031	0.837			
01553	1679	1678	8	97.04	0.008	0.01	0.01	Free Surface	0.942	0.067	0.009	0.045	0.044	0.955	1.058	Yes	0.047	0.87			
01554	1678	1677	8	347.45	0.009	0.013	0.013	Free Surface	1.075	0.075	0.011	0.05	0.051	1.032	1.128	No	0.05	1.075			
01555	1677	1993	8	107.95	0.052	0.016	0.016	Free Surface	2.141	0.054	0.006	0.036	0.057	2.411	2.752	No	0.036	2.141			
01556	1984	1985	8	350.69	0.009	0.003	0.003	Free Surface	0.725	0.038	0.003	0.025	0.025	0.976	1.174	Yes	0.031	0.554			
01557	1985	1986	8	115.05	0.009	0.006	0.006	Free Surface	0.884	0.053	0.006	0.036	0.036	1.006	1.152	Yes	0.038	0.801			
01558	1986	1987	8	112.78	0.012	0.01	0.01	Free Surface	1.097	0.061	0.007	0.04	0.044	1.17	1.316	Yes	0.048	0.846			
01559	1987	1988	8	124.43	0.005	0.013	0.013	Free Surface	0.906	0.084	0.014	0.056	0.051	0.82	0.882	Yes	0.062	0.778			
01560	1988	1989	8	105.34	0.004	0.016	0.016	Free Surface	0.847	0.102	0.022	0.068	0.057	0.693	0.728	No	0.068	0.847			
01561	1989	1990	8	169.92	0.014	0.019	0.019	Free Surface	1.422	0.081	0.013	0.054	0.062	1.308	1.413	No	0.05	1.422			
01562	1993	1990	8	194.34	0.098	0.019	0.019	Free Surface	2.823	0.051	0.005	0.034	0.062	3.284	3.783	Yes	0.042	2.102			
01563	1990	1991	8	95.45	0.097	0.041	0.041	Free Surface	3.562	0.074	0.011	0.049	0.092	3.444	3.77	Yes	0.052	3.306			
01564	1991	1992	8	149.12	0.074	0.044	0.044	Free Surface	3.316	0.081	0.013	0.054	0.095	3.049	3.294	Yes	0.065	2.539			
01565	1682	1,683.00	8	154.32	0.035	0.003	0.003	Free Surface	1.146	0.028	0.001	0.019	0.025	1.803	2.272	No	0.019	1.146			
01566	1683	1684	8	158.7	0.064	0.006	0.006	Free Surface	1.743	0.034	0.002	0.023	0.036	2.498	3.061	No	0.023	1.743			
01567	1684	1685	8	75.91	0.132	0.01	0.01	Free Surface	2.542	0.034	0.002	0.023	0.044	3.609	4.409	Yes	0.027	2.04			
01568	1685	1686	8	83.8	0.132	0.013	0.013	Free Surface	2.774	0.039	0.003	0.026	0.051	3.682	4.408	Yes	0.03	2.114			
01569	1686	1687	8	196.05	0.049	0.016	0.016	Free Surface	2.101	0.055	0.006	0.037	0.057	2.351	2.679	Yes	0.041	1.762			
01570	1688	1,687.00	8	201.43	0.057	0.003	0.003	Free Surface	1.356	0.025	0.001	0.017	0.025	2.257	2.894	Yes	0.031	0.532			
01571	1689	1690	8	134.72	0.094	0.003	0.003	Free Surface	1.609	0.022	0.001	0.015	0.025	2.837	3.705	Yes	0.03	0.575			
01572	1687	1690	8	235.65	0.049	0.022	0.022	Free Surface	2.33	0.065	0.008	0.043	0.067	2.408	2.683	Yes	0.044	2.267			
01573	1690	1692	8	160.78	0.063	0.029	0.029	Free Surface	2.745	0.068	0.009	0.046	0.076	2.754	3.044	Yes	0.052	2.288			
01574	1691	1692	8	205.67	0.05	0.003	0.003	Free Surface	1.297	0.026	0.001	0.017	0.025	2.127	2.715	Yes	0.037	0.409			
01575	1692	1693	8	272.55	0.033	0.035	0.035	Free Surface	2.319	0.088	0.016	0.059	0.084	2.048	2.19	No	0.059	2.319			
01576	1693	2513	8	184.53	0.069	0.038	0.038	Free Surface	3.094	0.077	0.012	0.051	0.088	2.929	3.189	Yes	0.053	2.963			
01577	2513	2511	8	221.44	0.069	0.041	0.041	Free Surface	3.163	0.08	0.013	0.053	0.092	2.935	3.179	Yes	0.056	2.943			
01578	2511	2509	8	136.29	0.059	0.054	0.054	Free Surface	3.26	0.094	0.018	0.063	0.105	2.786	2.955	No	0.063	3.26			
01579	2509	2510	8	115.24	0.058	0.057	0.057	Free Surface	3.289	0.097	0.02	0.065	0.108	2.763	2.919	Yes	0.065	3.289			
01580	2510	1694	8	77.22	0.065	0.06	0.06	Free Surface	3.471	0.097	0.02	0.065	0.111	2.916	3.081	Yes	0.083	2.423			
01581	1694	1044	8	156.32	0.022	0.086	0.086	Free Surface	2.663	0.148	0.047	0.099	0.133	1.8	1.815	No	0.099	2.663			
01582	1697	1698	8	125.66	0.024	0.003	0.003	Free Surface	1.004	0.031	0.002	0.02	0.025	1.51	1.878	Yes	0.023	0.851			
01583	1698	2512	8	136.63	0.028	0.006	0.006	Free Surface	1.31	0.041	0.003	0.027	0.036	1.706	2.03	Yes	0.027	1.308			
01584	2512	2511	8	232.41	0.04	0.01	0.01	Free Surface	1.677	0.045	0.004	0.03	0.044	2.068	2.423	Yes	0.044	0.952			
01585	1696	1695	8	111.62	0.079	0.003	0.003	Free Surface	1.518	0.023	0.001	0.016	0.025	2.625	3.406	Yes	0.02	1.038			
01586	1695	1,047.00	8	222.16	0.077	0.006	0.006	Free Surface	1.864	0.032	0.002	0.022	0.036	2.734	3.372	Yes	0.022	1.837			
01587	1048	1694	8	296.85	0.024	0.019	0.019	Free Surface	1.735	0.071	0.01	0.047	0.062	1.708	1.879	Yes	0.074	0.9			
01588	1932	1933	8	340.02	0.008	0.007	0.007	Free Surface	0.847	0.056	0.006	0.037	0.036	0.941	1.07	Yes	0.043	0.69			
01589	1933	1934	8	320.30	0.01	0.013	0.013	Free Surface	1.154	0.073	0.011	0.048	0.051	1.123	1.232	Yes	0.054	0.994			
01590	1934	1935	8	333.12	0.01	0.02	0.02	Free Surface	1.303	0.088	0.016	0.059	0.063	1.15	1.229	Yes	0.059	1.277			
01591	1935	1936	8	326.07	0.016	0.026	0.026	Free Surface	1.67	0.09	0.017	0.06	0.073	1.454	1.549	Yes	0.079	1.116			
01592	1939	1938	8	405.12	0.011	0.007	0.007	Free Surface	0.945	0.052	0.005	0.035	0.036	1.089	1.251	Yes	0.042	0.715			
01593	1938	1937	8	405.03	0.01	0.013	0.013	Free Surface	1.133	0.074	0.011	0.049	0.051	1.096	1.2	Yes	0.052	1.04			
01594	1931	1930	8	328.49	0.008	0.007	0.007	Free Surface	0.861	0.055	0.006	0.037	0.036	0.961	1.094	Yes	0.043	0.681			
01595	1930	1929	8	331.61	0.009	0.013	0.013	Free Surface	1.114	0.074	0.011	0.05	0.051	1.072	1.171	Yes	0.056	0.927			
01596	1929	1928	8	330.14	0.008	0.02	0.02	Free Surface	1.18	0.094	0.018	0.063	0.063	1.006	1.067	Yes	0.068	1.052			
01597	1937	1936	8	338.44	0.014	0.02	0.02	Free Surface	1.44	0.082	0.014	0.055	0.063	1.315	1.419	Yes	0.077	0.881			
01598	1928	1927	8	215.79	0.007	0.026	0.026	Free Surface	1.261	0.109	0.025	0.073	0.073	0.996	1.037	Yes	0.074	1.238			
01599	1898	1897	8	399.43	0.005	0.006	0.006	Free Surface	0.709	0.056	0.006	0.038	0.033	0.784	0.89	Yes	0.047	0.504			
01600	1897	1896	8	386.98	0.005	0.011	0.011	Free Surface	0.876	0.078	0.012	0.052	0.047	0.821	0.891	Yes	0.056	0.797			

01601	1896	1895	8	215.86	0.01	0.017	0.017	Free Surface	1.248	0.081	0.013	0.054	0.058	1.149	1.241	Yes	0.072	0.819			
01602	1476	1241	8	400.65	0.005	0.017	0.017	Free Surface	0.94	0.098	0.02	0.065	0.058	0.785	0.828	Yes	0.106	0.464			
01603	1626	2382	8	246.77	0.004	0.039	0.039	Free Surface	1.191	0.149	0.048	0.099	0.089	0.802	0.807	Yes	0.136	0.757			
01604	1625	1626	8	251.29	0.005	0.033	0.033	Free Surface	1.18	0.135	0.039	0.09	0.082	0.837	0.851	Yes	0.095	1.095			
01605	1624	1625	8	279.97	0.004	0.028	0.028	Free Surface	1.026	0.131	0.037	0.087	0.075	0.738	0.753	Yes	0.09	0.987			
01606	1623	1624	8	236.88	0.006	0.022	0.022	Free Surface	1.126	0.106	0.023	0.07	0.067	0.906	0.947	Yes	0.077	0.986			
01607	1627	1623	8	338.27	0.018	0.006	0.006	Free Surface	1.085	0.042	0.003	0.028	0.033	1.386	1.641	Yes	0.048	0.499			
01608	1622	1623	8	387.01	0.01	0.011	0.011	Free Surface	1.093	0.067	0.009	0.045	0.047	1.106	1.225	Yes	0.056	0.787			
01609	1477	1478	8	274.69	0.005	0.006	0.006	Free Surface	0.701	0.057	0.006	0.038	0.033	0.772	0.876	Yes	0.043	0.579			
01610	1478	1476	8	399.81	0.005	0.011	0.011	Free Surface	0.87	0.079	0.013	0.052	0.047	0.814	0.883	Yes	0.061	0.69			
01611	1621	1622	8	322.83	0.011	0.006	0.006	Free Surface	0.92	0.047	0.004	0.032	0.033	1.112	1.296	Yes	0.039	0.672			
01612	1925	1924	8	176.18	0.013	0.006	0.006	Free Surface	0.962	0.046	0.004	0.031	0.033	1.181	1.381	Yes	0.038	0.689			
01613	1924	1923	8	154.81	0.009	0.011	0.011	Free Surface	1.05	0.069	0.01	0.046	0.047	1.048	1.156	Yes	0.052	0.884			
01614	1923	1922	8	212.56	0.008	0.017	0.017	Free Surface	1.137	0.086	0.015	0.058	0.058	1.014	1.087	Yes	0.062	1.03			
01615	1553	2474	10	336.33	0.003	0.098	0.098	Free Surface	1.308	0.195	0.083	0.163	0.134	0.684	1.177	Yes	0.278	0.615			
01616	2475	2474	8	400.27	0.069	0.18	0.18	Free Surface	4.922	0.161	0.056	0.108	0.194	3.18	3.18	Yes	0.25	1.498			
01617	2474	1635	8	401.35	0.005	0.571	0.571	Free Surface	2.634	0.596	0.665	0.397	0.355	0.806	0.859	No	0.397	2.634			
01619	1554	1553	10	115.2	0.02	0.09	0.09	Free Surface	2.51	0.117	0.029	0.098	0.128	1.712	3.09	Yes	0.13	1.655			
01620	1556	1557	8	301.08	0.041	0.073	0.073	Free Surface	3.144	0.119	0.03	0.079	0.123	2.38	2.455	No	0.079	3.144			
01621	2623	1556	8	347.98	0.073	0.065	0.065	Free Surface	3.703	0.098	0.02	0.065	0.116	3.094	3.264	Yes	0.074	3.072			
01622	1555	2623	8	133.2	0.031	0.008	0.008	Free Surface	1.472	0.045	0.004	0.03	0.04	1.83	2.149	Yes	0.047	0.741			
01623	2624	2623	8	290.93	0.009	0.049	0.049	Free Surface	1.632	0.141	0.043	0.094	0.1	1.131	1.145	No	0.094	1.632			
01624	1565	1564	8	265.37	0.022	0.09	0.09	Free Surface	2.695	0.152	0.05	0.101	0.136	1.799	1.809	No	0.101	2.695			
01625	1558	1552	8	250.2	0.037	0.147	0.147	Free Surface	3.719	0.17	0.063	0.114	0.175	2.335	2.324	Yes	0.136	2.875			
01626	1552	1551	8	192.02	0.011	0.155	0.155	Free Surface	2.486	0.235	0.121	0.156	0.18	1.319	1.285	No	0.156	2.486			
01627	1642	1558	8	314.33	0.037	0.008	0.008	Free Surface	1.554	0.043	0.004	0.029	0.04	1.968	2.323	Yes	0.073	0.39			
01628	1636	2475	8	400.64	0.04	0.171	0.171	Free Surface	4.015	0.18	0.071	0.12	0.19	2.451	2.428	No	0.12	4.015			
01629	1551	1636	8	399.22	0.049	0.163	0.163	Free Surface	4.251	0.167	0.061	0.111	0.185	2.696	2.687	Yes	0.114	4.13			
01630	1559	1560	8	322.37	0.083	0.024	0.024	Free Surface	2.888	0.06	0.007	0.04	0.07	3.106	3.5	Yes	0.042	2.621			
01631	1563	1559	8	106.68	0.006	0.016	0.016	Free Surface	0.999	0.093	0.018	0.062	0.057	0.857	0.91	No	0.062	0.999			
01632	1562	1563	8	148.81	0.01	0.008	0.008	Free Surface	0.981	0.059	0.007	0.039	0.04	1.063	1.199	Yes	0.05	0.692			
01633	1560	1558	8	115.02	0.073	0.033	0.033	Free Surface	3.012	0.07	0.01	0.047	0.081	2.978	3.279	Yes	0.082	1.317			
01634	1567	1565	8	400.73	0.044	0.073	0.073	Free Surface	3.231	0.117	0.029	0.078	0.123	2.47	2.553	Yes	0.091	2.584			
01635	1568	1567	8	229.56	0.004	0.065	0.065	Free Surface	1.386	0.193	0.081	0.128	0.116	0.816	0.804	No	0.128	1.386			
01636	1561	1568	8	149.78	0.03	0.057	0.057	Free Surface	2.597	0.114	0.027	0.076	0.108	2.008	2.081	Yes	0.102	1.696			
01637	1569	1561	8	224.26	0.007	0.049	0.049	Free Surface	1.534	0.147	0.047	0.098	0.1	1.04	1.048	No	0.098	1.534			
01638	1573	1569	8	163.13	0.086	0.016	0.016	Free Surface	2.583	0.049	0.005	0.033	0.057	3.071	3.56	Yes	0.066	0.912			
01639	1574	1573	8	147.65	0.097	0.008	0.008	Free Surface	2.179	0.034	0.002	0.023	0.04	3.094	3.779	Yes	0.026	1.786			
01640	1570	1569	8	165.53	0.006	0.024	0.024	Free Surface	1.169	0.11	0.026	0.073	0.07	0.919	0.956	Yes	0.086	0.922			
01641	1566	1565	8	194.66	0.044	0.008	0.008	Free Surface	1.657	0.041	0.003	0.028	0.04	2.145	2.548	Yes	0.065	0.461			
01642	1498	1494	8	120.8	0.063	0.017	0.017	Free Surface	2.324	0.053	0.005	0.035	0.058	2.651	3.037	Yes	0.096	0.535			
01643	1497	1498	8	239.78	0.032	0.008	0.008	Free Surface	1.487	0.045	0.004	0.03	0.041	1.844	2.164	Yes	0.032	1.353			
01645	1493	1494	8	180.66	0.023	0.166	0.166	Free Surface	3.276	0.203	0.09	0.135	0.187	1.878	1.845	Yes	0.146	2.933			
01646	1492	1493	8	142.44	0.007	0.158	0.158	Free Surface	2.13	0.265	0.153	0.177	0.182	1.058	1.027	No	0.177	2.13			
01647	1494	1479	8	293.82	0.034	0.274	0.274	Free Surface	4.359	0.236	0.122	0.157	0.242	2.306	2.246	Yes	0.164	4.113			
01648	1479	1480	8	259.46	0.026	0.282	0.282	Free Surface	3.973	0.257	0.145	0.171	0.246	2.006	1.948	Yes	0.176	3.842			
01649	1480	1481	8	321.1	0.022	0.29	0.29	Free Surface	3.789	0.271	0.161	0.181	0.249	1.857	1.802	Yes	0.19	3.586			
01650	1481	1482	8	320.09	0.017	0.299	0.299	Free Surface	3.482	0.294	0.189	0.196	0.253	1.634	1.583	Yes	0.198	3.441			
01651	1764	1494	8	383.67	0.005	0.083	0.083	Free Surface	1.535	0.212	0.099	0.141	0.131	0.859	0.841	Yes	0.149	1.423			
01652	1504	1500	8	240.75	0.009	0.008	0.008	Free Surface	0.958	0.06	0.007	0.04	0.041	1.023	1.151	Yes	0.069	0.434			
01653	1500	1,491.00	8	112.76	0.012	0.058	0.058	Free Surface	1.882	0.144	0.044	0.096	0.109	1.291	1.305	Yes	0.132	1.183			
01654	1501	1500	8	302.04	0.031	0.041	0.041	Free Surface	2.404	0.097	0.019	0.064	0.092	2.025	2.14	Yes	0.081	1.717			
01655	1502	1501	8	294.07	0.047	0.025	0.025	Free Surface	2.379	0.069	0.009	0.046	0.071	2.381	2.63	Yes	0.054	1.868			
01656	1499	1492	8	314.55	0.034	0.008	0.008	Free Surface	1.523	0.044	0.004	0.03	0.041	1.904	2.24	Yes	0.104	0.239			
01658	1503	1502	8	120.18	0.126	0.008	0.008	Free Surface	2.394	0.033	0.002	0.022	0.041	3.489	4.297	Yes	0.035	1.167			
01659	1491	1492	8	220.63	0.007	0.141	0.141	Free Surface	2.014	0.255	0.142	0.17	0.172	1.022	0.993	Yes	0.174	1.943			
01660	1495	1496	8	249.07	0.071	0.008	0.008	Free Surface	1.965	0.037	0.003	0.025	0.041	2.68	3.234	Yes	0.034	1.249			
01661	1496	1764	8	264.07	0.042	0.017	0.017	Free Surface	2.022	0.058	0.007	0.039	0.058	2.199	2.486	Yes	0.088	0.609			
01662	1767	1768	8	328.91	0.089	0.008	0.008	Free Surface	2.122	0.035	0.002	0.024	0.041	2.969	3.611	Yes	0.035	1.193			
01663	1768	1763	8	190.41	0.033	0.017	0.017	Free Surface	1.866	0.062	0.007	0.041	0.058	1.975	2.215	Yes	0.069	0.877			
01665	1765	1763	8	285.04	0.006	0.025	0.025	Free Surface	1.131	0.114	0.027	0.076	0.071	0.875	0.906	Yes	0.086	0.944			
01666	1763	1483	8	201.14	0.007	0.05	0.05	Free Surface	1.504	0.151	0.049	0.101	0.101	1.006	1.012	Yes	0.108	1.361			
01667	1482	1540	8	359.76	0.018	0.307	0.307	Free Surface	3.564	0.295	0.19	0.197	0.257	1.669	1.617	Yes	0.667	0.879			
01668	1486	1487	8	242.45	0.003	0.008	0.008	Free Surface	0.654	0.078	0.012	0.052	0.041	0.613	0.665	Yes	0.067	0.456			
01669	1487	1488	8	152.38	0.008	0.033	0.033	Free Surface	1.374	0.121	0.031	0.081	0.082	1.028	1.058	Yes	0.094	1.098			
01670	1648	1487	8	241.2	0.004	0.017	0.017	Free Surface	0.882	0.102	0.022	0.068	0.058	0.721	0.756	Yes	0.075	0.772			
01671	1488	1489	8	228.88	0.004	0.041	0.041	Free Surface	1.16	0.159	0.055	0.106	0.092	0.755	0.756	Yes	0.115	1.032			
01672	1506	1489	8	128.7	0.006	0.017	0.017	Free Surface	1.052	0.091	0.017	0.061	0.058	0.914	0.973	Yes	0.092	0.568			
01673	1505	1506	8	300.54	0.008	0.008	0.008	Free Surface	0.922	0.062	0.008	0.041	0.041	0.971	1.088	Yes	0.053	0.633			
01674	1489	1490	8	205.71	0.005	0.066	0.066	Free Surface	1.485	0.186	0.075	0.124	0.117	0.892	0.881	No	0.124	1.485			
01675	1490	1491	8	302.11	0.008	0.075	0.075	Free Surface	1.785	0.177	0.069	0.118	0.124	1.098	1.089	Yes	0.143	1.354			
01676	1507	1648	8	226.55	0.023	0.008	0.008	Free Surface	1.323	0.049	0.005	0.032	0.041	1.577	1.83	Yes	0.049	0.728			
01677	1508	1511	8	294.58	0.004	0.103	0.103	Free Surface	1.588	0.241	0.128	0.161	0.146	0.83	0.808	No	0.161	1.588			
01678	1509	1508	8	312.9	0.034	0.041	0.041	Free Surface	2.461	0.095	0.019	0.063	0.092	2.094	2.218	Yes	0.11	1.066			
01679	1510	1509	8	246.24	0.055	0.031	0.031	Free Surface	2.68	0.073	0.011	0.049	0.079	2.595	2.841	Yes	0.056	2.195			
01680	1525	1510	8	249.66	0.042	0.005	0.005	Free Surface	1.411	0.034	0.002	0.023	0.032	2.02	2.474	Yes	0.036	0.717			
01681	1514	1509	8	227.41	0.017	0.005	0.005	Free Surface	1.031	0.042	0.003	0.028	0.032	1.329	1.576	Yes	0.05	0.498			
01682	1516	1539	8	220.97	0.036	0.021	0.021	Free Surface	2.044	0.067	0.009	0.045	0.065	2.073	2.298	Yes	0.05	2.01			
01683	1512	1516	8	146.54	0.042	0.015	0.015	Free Surface	1.971	0.057	0.006	0.038	0.056	2.177	2.471	Yes	0.04	1.854			
01684	1515	1512	8	307.84	0.027	0.01	0.01	Free Surface	1.501	0.052	0.005	0.034	0.046	1.735	1.995	No	0.034	1.501			
01685	1513	1515	8	232.31	0.005	0.005	0.005	Free Surface	0.674	0.056	0.006	0.037	0.032	0.751	0.855	No	0.037	0.674			
01687	1518	1519	8	324.33	0.035	0.118	0.118	Free Surface	3.431	0.155	0.052	0.104	0.157	2.261	2.269	Yes	0.145	2.113			
01688	1517	1511	8	94.46	0.036	0.005	0.005	Free Surface	1.335	0.035	0.002	0.023	0.032	1.876	2.285	Yes	0.083	0.204			
01689	1484	1536	8	279.95	0.005	0.16	0.16	Free Surface	1.891	0.291	0.185	0.194	0.183	0.893	0.865	Yes	0.2	1.81			
01690	1485	1484	8	286.95	0.008	0.129	0.129	Free Surface	2.125	0.23	0.116	0.153	0.164	1.139	1.111	Yes	0.176	1.753			
01691	1539	1484	8	153.57	0.042	0.026	0.026	Free Surface	2.305	0.072	0.01	0.048	0.072	2.255	2.476	Yes	0.123	0.582			
01692	1522	1521	8	132.39	0.03	0.082	0.082	Free Surface	2.911	0.135	0.039	0.09	0.13	2.06	2.094	Yes	0.104	2.383			
01693	1523	1522	8	94.63	0.009	0.037	0.037	Free Surface	1.483	0.124	0.033	0.083	0.087	1.097	1.126	Yes	0.085	1.429			
01694	1524	1523	8	125.34	0.006	0.032	0.032	Free Surface	1.221	0.128	0.035	0.085	0.081	0.889	0.909	No	0.09	1.221			
01695	1526	1524	8	161.14	0.055	0.027	0.027	Free Surface	2.571	0.069	0.009	0.046	0.074	2.577	2.848	Yes	0.064	1.576			
01696	1521	1800	8	117.44	0.01	0.088	0.088	Free Surface	2.033	0.181	0.071	0.121	0.134	1.237	1.225	No	0.121	2.033			
01697	1520	1536	8	400.37	0.037	0.108	0.108	Free Surface	3.41	0.146	0.046	0.098	0.15	2.317	2.338	Yes	0.152	1.804			
01698	1528	1520	8	143.68	0.034	0.103	0.103	Free Surface	3.253	0.146	0.046	0.098	0.146	2.211	2.231	Yes	0.099	3.181			
01699	1527	1528	8	244.01	0.05	0.098	0.098	Free Surface	3.669	0.13	0.036	0.087	0.142	2.651	2.708	Yes	0.09	3.467			
01700	1800	1527	8	245.85	0.078	0.093	0.093	Free Surface	4.212	0.114	0.027	0.076	0.138	3.257	3.375	Yes	0.083	3.73			
01701	1536	1534	8	280.05	0.011	0.273	0.273	Free Surface	2.903	0.314	0.214	0.21	0.241	1.313	1.273	Yes	0.213	2.838			
01702	1534	1533	8	211.06	0.011	0.288	0.288	Free Surface	2.932	0.325	0.228	0.217	0.248	1.302	1.263	Yes	0.219	2.881			
01703	1533	1532	8	270.88	0.011	0.293	0.293	Free Surface	2.927	0.33	0.235	0.22	0.251	1.29	1.251	Yes	0.234	2.689			
01704	1529	1534	8	303.52	0.04	0.01	0.01	Free Surface	1.722	0.047	0.004	0.031	0.046	2.087	2.432	Yes	0.124	0.23			
01705	1532	1784	8	279.93	0.011	0.371	0.371	Free Surface	3.132	0.372	0.295	0.248	0.283	1.288	1.256	Yes	0.27	2.782			
01706	1535	1531	8	261.58	0.019	0.005	0.005	Free Surface	1.066	0.041	0.003	0.027	0.032	1.388	1.652	Yes	0.058	0.351			
01707	1772	1531	8	315.08	0.042	0.062	0.062	Free Surface	2.997	0.109	0.025	0.073	0.113	2.371	2.47	Yes	0.08	2.589			
01708	1773	1772	8	154.94	0.02	0.01	0.01	Free Surface	1.355	0.055	0.006	0.037	0.046	1.512	1.722	Yes	0.054	0.77			
01709	1796	1773	8	102.33	0.021	0.005	0.005	Free Surface	1.103	0.04	0.003	0.027	0.032	1.454	1.737	Yes	0.03	0.782			
01710	1771	1772	8	254.08	0.048	0.046	0.046	Free Surface	2.883	0.092	0.018	0.061	0.097	2.488	2.645	Yes	0.066	2.569			
01711	1774	1771	8	196.11	0.079	0.005	0.005	Free Surface	1.761	0.029	0.002	0.019	0.032	2.719	3.407	Yes	0.039	0.626			
01712	1770	1771	8	266.35	0.049	0.036	0.036	Free Surface	2.696	0.081	0.013	0.054	0.086	2.479	2.678	Yes	0.056	2.542			
01713	1779	1770	8	305.12	0.024	0.021	0.021	Free Surface	1.774	0.074	0.011	0.049	0.065	1.713	1.874	Yes	0.051	1.676			
01714	1778	1779	8	79.08	0.02	0.015	0.015	Free Surface	1.519	0.067	0.009	0.045	0.056	1.535	1.7	Yes	0.045	1.501			
01715	1777	1778	8	172.61	0.037	0.01	0.01	Free Surface	1.675	0.048	0.004	0.032	0.046	2.01	2.336	Yes	0.037	1.374			
01716	1776	1777	8	120.22	0.034	0.005	0.005	Free Surface	1.309	0.036	0.002	0.024	0.032	1.828	2.222	Yes	0.029	0.969			
01717	1769	1770	8	393.34	0.042	0.01	0.01	Free Surface	1.751	0.047	0.004	0.031	0.046	2.133	2.49	Yes	0.042	1.118			
01718	1775	1769	8	152.26	0.02	0.005	0.005	Free Surface	1.095	0.04	0.003	0.027	0.032	1.44	1.718	Yes	0.03	0.925			
01719	1531	1532	8	305.14	0.031	0.072	0.072	Free Surface	2.84	0.126	0.034	0.084	0.122	2.089	2.141	Yes	0.166	1.064			
01720	1785	1784	8	366.62	0.032	0.01	0.01	Free Surface	1.582	0.05	0.005	0.033	0.046	1.862	2.151	Yes	0.16	0.155			
01721	1786	1,785.00	8	390.49	0.061	0.005	0.005	Free Surface	1.609	0.031	0.002	0.021	0.032	2.409	2.991	Yes	0.025	1.227			
01722	1781	1788	8	111.83	0.039	0.021	0.021	Free Surface	2.095	0.066	0.009	0.044	0.065	2.142	2.38	No	0.044	2.095			
01723	1789	1781	8	109.31	0.01	0.005	0.005	Free Surface	0.848	0.048	0.004	0.032	0.032	1.022	1.189	Yes	0.039	0.622			
01724	1780	1781	8	249.78	0.04	0.01	0.01	Free Surface	1.715	0.047	0.004	0.032	0.046	2.075	2.417	Yes	0.039	1.249			
01725	1787	1780	8	269.19	0.022	0.005	0.005	Free Surface	1.122	0.039	0.003	0.026	0.032	1.488	1.781	Yes	0.03	0.874			
01726	1782	1,783.00	8	376.71	0.009	0.031	0.031	Free Surface	1.403	0.114	0.027	0.076	0.079	1.085	1.124	No	0.076	1.403			
01727	1788	1782	8	137.8	0.061	0.026	0.026	Free Surface	2.63	0.066	0.009	0.044	0.072	2.693	2.993	Yes	0.059	1.678			
01728	1783	1784	8	106.93	0.02	0.036	0.036	Free Surface	1.98	0.1	0.021	0.067	0.086	1.637	1.722	Yes	0.18	0.473			
01729	1791	1792	8	70.23	0.016	0.006	0.006	Free Surface	1.038	0.045	0.004	0.03	0.034	1.288	1.511	Yes	0.035	0.813			
01730	1651	1797	8	396.67	0.022	0.04	0.04	Free Surface	2.098	0.104	0.023	0.069	0.091	1.699	1.779	Yes	0.072	1.989			
01731	1794	1651	8	130.08	0.042	0.006	0.006	Free Surface	1.467	0.036	0.002	0.024	0.034	2.046	2.487	Yes	0.047	0.533			
01732	1790	1651	8	267.72	0.021	0.029	0.029	Free Surface	1.893	0.089	0.016	0.059	0.077	1.663	1.776	Yes	0.065	1.661			

01733	1793	1790	8	217.02	0.049	0.023	0.023	Free Surface	2.353	0.066	0.009	0.044	0.068	2.406	2.674	Yes	0.051	1.897			
01734	1792	1793	8	200.84	0.052	0.017	0.017	Free Surface	2.201	0.057	0.006	0.038	0.059	2.427	2.754	Yes	0.039	2.086			
01735	1350	1349	8	343.72	0.008	0.087	0.087	Free Surface	1.851	0.192	0.081	0.128	0.134	1.092	1.077	No	0.128	1.851			
01736	1351	1350	8	267.32	0.003	0.052	0.052	Free Surface	1.137	0.189	0.078	0.126	0.103	0.677	0.668	Yes	0.128	1.107			
01737	1352	1350	8	297.1	0.021	0.029	0.029	Free Surface	1.867	0.09	0.017	0.06	0.077	1.632	1.741	Yes	0.095	0.945			
01739	1797	1351	8	231.83	0.021	0.046	0.046	Free Surface	2.16	0.112	0.026	0.075	0.097	1.686	1.751	Yes	0.6	0.14			
01741	1639	1352	8	286.6	0.012	0.023	0.023	Free Surface	1.439	0.092	0.018	0.061	0.068	1.241	1.32	No	0.061	1.439			
01742	1353	1349	8	219.03	0.026	0.006	0.006	Free Surface	1.234	0.04	0.003	0.027	0.034	1.623	1.938	Yes	0.073	0.281			
01743	1355	1798	8	93.22	0.01	0.012	0.012	Free Surface	1.098	0.069	0.01	0.046	0.048	1.096	1.21	Yes	0.058	0.777			
01744	1798	1639	8	352.41	0.004	0.017	0.017	Free Surface	0.882	0.106	0.023	0.07	0.059	0.709	0.742	No	0.07	0.882			
01745	1348	1,343.00	8	166.96	0.007	0.11	0.11	Free Surface	1.886	0.224	0.11	0.149	0.151	1.027	1.003	Yes	0.28	0.79			
01746	1354	1348	8	166.62	0.021	0.006	0.006	Free Surface	1.145	0.042	0.003	0.028	0.034	1.468	1.74	Yes	0.087	0.215			
01747	1349	1348	8	248.18	0.012	0.098	0.098	Free Surface	2.226	0.184	0.074	0.123	0.143	1.342	1.327	Yes	0.135	1.951			
01748	1385	1801	8	211.99	0.011	0.51	0.51	Free Surface	3.434	0.441	0.402	0.294	0.334	1.278	1.267	Yes	0.339	2.855			
01749	1392	1385	8	170.17	0.006	0.036	0.036	Free Surface	1.304	0.133	0.038	0.089	0.086	0.93	0.947	Yes	0.192	0.434			
01750	1386	1385	8	114.88	0.007	0.469	0.469	Free Surface	2.907	0.47	0.449	0.313	0.32	1.041	1.043	No	0.313	2.907			
01751	1390	1391	8	403	0.003	0.026	0.026	Free Surface	0.889	0.138	0.041	0.092	0.072	0.624	0.634	No	0.092	0.889			
01752	1389	1390	8	300.2	0.022	0.015	0.015	Free Surface	1.569	0.066	0.009	0.044	0.056	1.603	1.781	Yes	0.066	0.86			
01753	1388	1389	8	340.85	0.029	0.005	0.005	Free Surface	1.244	0.037	0.002	0.025	0.032	1.707	2.065	Yes	0.033	0.8			
01754	1394	1,389.00	8	156.29	0.009	0.005	0.005	Free Surface	0.826	0.048	0.004	0.032	0.032	0.987	1.146	Yes	0.037	0.678			
01755	1393	1390	8	152.79	0.012	0.005	0.005	Free Surface	0.91	0.045	0.004	0.03	0.032	1.124	1.317	Yes	0.059	0.337			
01756	2628	1386	8	395.72	0.027	0.463	0.463	Free Surface	4.624	0.329	0.234	0.22	0.318	2.037	1.977	Yes	0.268	3.533			
01757	2627	2628	8	387.78	0.019	0.458	0.458	Free Surface	4.071	0.359	0.275	0.239	0.316	1.71	1.665	No	0.239	4.071			
01758	1391	1392	8	120.74	0.007	0.031	0.031	Free Surface	1.331	0.118	0.03	0.079	0.079	1.01	1.043	Yes	0.086	1.172			
01759	1387	2627	8	213.14	0.009	0.005	0.005	Free Surface	0.833	0.048	0.004	0.032	0.032	0.998	1.159	Yes	0.136	0.101			
01760	1863	2627	8	154.21	0.005	0.021	0.021	Free Surface	1.017	0.108	0.024	0.072	0.065	0.81	0.845	Yes	0.155	0.333			
01761	1409	1408	8	243.75	0.113	0.005	0.005	Free Surface	1.993	0.027	0.001	0.018	0.032	3.207	4.07	Yes	0.037	0.675			
01762	1637	1421	8	257.65	0.006	0.006	0.006	Free Surface	0.726	0.057	0.006	0.038	0.034	0.798	0.904	Yes	0.04	0.689			
01763	1421	2568	8	250.86	0.009	0.011	0.011	Free Surface	1.018	0.068	0.009	0.046	0.046	1.023	1.131	Yes	0.08	0.42			
01764	1414	1415	8	300.42	0.005	0.005	0.005	Free Surface	0.647	0.054	0.006	0.036	0.031	0.731	0.835	Yes	0.042	0.518			
01765	1420	2568	8	275.22	0.005	0.052	0.052	Free Surface	1.373	0.166	0.06	0.111	0.103	0.874	0.872	Yes	0.116	1.288			
01766	1419	1420	8	265.78	0.004	0.043	0.043	Free Surface	1.158	0.163	0.057	0.108	0.093	0.745	0.744	Yes	0.111	1.121			
01767	1418	1419	8	269.99	0.005	0.033	0.033	Free Surface	1.211	0.133	0.038	0.088	0.082	0.867	0.883	Yes	0.1	1.006			
01768	1417	1418	8	275.2	0.006	0.024	0.024	Free Surface	1.146	0.109	0.025	0.073	0.069	0.905	0.942	Yes	0.082	0.959			
01769	1416	1417	8	255.14	0.007	0.014	0.014	Free Surface	1.038	0.083	0.014	0.055	0.054	0.945	1.019	Yes	0.062	0.881			
01770	1422	1420	8	385.87	0.007	0.005	0.005	Free Surface	0.731	0.05	0.005	0.033	0.031	0.861	0.995	Yes	0.073	0.228			
01771	1423	1419	8	372.58	0.005	0.005	0.005	Free Surface	0.658	0.054	0.006	0.036	0.031	0.747	0.855	Yes	0.074	0.224			
01772	1424	1418	8	365.96	0.007	0.005	0.005	Free Surface	0.722	0.05	0.005	0.034	0.031	0.847	0.978	Yes	0.063	0.286			
01773	1425	1417	8	370.73	0.005	0.005	0.005	Free Surface	0.664	0.053	0.005	0.035	0.031	0.756	0.866	Yes	0.052	0.38			
01774	1415	1416	8	248.76	0.005	0.01	0.01	Free Surface	0.79	0.076	0.012	0.05	0.044	0.754	0.823	Yes	0.051	0.77			
01776	1438	1439	8	143.35	0.004	0.005	0.005	Free Surface	0.617	0.056	0.006	0.037	0.031	0.686	0.78	Yes	0.047	0.437			
01777	1439	1440	8	355.78	0.004	0.01	0.01	Free Surface	0.747	0.078	0.013	0.052	0.044	0.699	0.759	Yes	0.055	0.692			
01778	1440	1441	8	370.09	0.004	0.014	0.014	Free Surface	0.885	0.092	0.018	0.061	0.054	0.763	0.811	Yes	0.063	0.845			
01779	1441	1588	8	402.94	0.006	0.019	0.019	Free Surface	1.066	0.099	0.02	0.066	0.062	0.887	0.935	Yes	0.483	0.07			
01780	1437	1436	8	375.29	0.004	0.005	0.005	Free Surface	0.61	0.056	0.006	0.038	0.031	0.676	0.767	Yes	0.049	0.41			
01781	1436	1,435.00	8	126.01	0.002	0.01	0.01	Free Surface	0.538	0.098	0.02	0.065	0.044	0.449	0.473	No	0.065	0.538			
01782	1435	1434	8	216.97	0.009	0.014	0.014	Free Surface	1.107	0.079	0.013	0.053	0.054	1.032	1.119	Yes	0.302	0.093			
01783	1434	1433	12	201.11	0.006	0.019	0.019	Free Surface	1.001	0.059	0.007	0.059	0.056	0.881	2.736	Yes	1	0.024			
01784	1432	1,433.00	12	320.96	0.001	1.762	1.762	Pressurized	2.244	1	1.538	1	0.451	0.395	1.145	Yes	1.00	2.244	11.99	12	2
01785	1206	1584	8	138.45	0.026	0.012	0.012	Free Surface	1.57	0.057	0.006	0.038	0.05	1.736	1.97	Yes	0.504	0.043			
01786	1201	1,206.00	8	141.39	0.004	0.006	0.006	Free Surface	0.647	0.064	0.008	0.043	0.035	0.669	0.745	No	0.043	0.647			
01787	1202	1201	8	284.93	0.005	0.004	0.004	Free Surface	0.62	0.05	0.005	0.034	0.029	0.725	0.837	Yes	0.039	0.505			
01788	1203	1202	8	104.07	0.006	0.002	0.002	Free Surface	0.549	0.034	0.002	0.023	0.02	0.781	0.954	Yes	0.026	0.453			
01789	1205	1206	8	160.63	0.005	0.004	0.004	Free Surface	0.63	0.05	0.005	0.033	0.029	0.742	0.858	Yes	0.038	0.518			
01790	1204	1205	8	236.07	0.006	0.002	0.002	Free Surface	0.545	0.035	0.002	0.023	0.02	0.772	0.943	Yes	0.028	0.401			
01791	1226	2584	10	383.92	0.002	0.07	0.07	Free Surface	0.986	0.188	0.077	0.157	0.113	0.526	0.907	Yes	0.174	0.849			
01792	1223	1541	8	330.17	0.006	0.005	0.005	Free Surface	0.692	0.052	0.005	0.035	0.031	0.799	0.919	Yes	0.049	0.412			
01793	1541	1224	8	292.68	0.002	0.01	0.01	Free Surface	0.563	0.095	0.019	0.063	0.044	0.478	0.506	Yes	0.066	0.529			
01794	1224	1225	8	302.56	0.003	0.014	0.014	Free Surface	0.749	0.103	0.022	0.069	0.054	0.609	0.638	Yes	0.073	0.687			
01795	1225	2351	8	309.53	0.003	0.019	0.019	Free Surface	0.845	0.116	0.028	0.077	0.062	0.649	0.671	Yes	0.083	0.755			
01796	1228	1229	10	291.36	0.01	0.005	0.005	Free Surface	0.818	0.034	0.002	0.029	0.029	1.042	2.225	Yes	0.042	0.461			
01797	1238	1226	10	233.78	0.004	0.057	0.057	Free Surface	1.275	0.136	0.04	0.114	0.102	0.804	1.427	Yes	0.134	1.008			
01798	1229	1238	10	279.19	0.002	0.01	0.01	Free Surface	0.587	0.068	0.009	0.057	0.041	0.527	1.017	Yes	0.085	0.327			
01799	1237	1238	8	233.77	0.003	0.043	0.043	Free Surface	1.118	0.167	0.06	0.111	0.093	0.71	0.708	Yes	0.112	1.11			
01800	1234	1237	8	251.39	0.006	0.029	0.029	Free Surface	1.204	0.12	0.03	0.08	0.076	0.908	0.935	Yes	0.094	0.944			
01801	1236	1237	8	376.91	0.005	0.01	0.01	Free Surface	0.818	0.074	0.011	0.049	0.044	0.79	0.864	Yes	0.079	0.407			
01802	1542	1234	8	250.47	0.006	0.014	0.014	Free Surface	0.987	0.086	0.015	0.057	0.054	0.884	0.949	Yes	0.067	0.784			
01803	1231	1542	8	375.68	0.004	0.01	0.01	Free Surface	0.753	0.078	0.012	0.052	0.044	0.706	0.767	Yes	0.052	0.745			
01804	1233	1234	8	380.41	0.005	0.01	0.01	Free Surface	0.789	0.076	0.012	0.05	0.044	0.753	0.821	Yes	0.063	0.563			
01805	1235	1236	8	375.96	0.006	0.005	0.005	Free Surface	0.704	0.051	0.005	0.034	0.031	0.819	0.943	Yes	0.041	0.535			
01806	1232	1233	8	375.38	0.011	0.005	0.005	Free Surface	0.853	0.045	0.004	0.03	0.031	1.059	1.243	Yes	0.04	0.551			
01807	1230	1,231.00	8	381.43	0.005	0.005	0.005	Free Surface	0.671	0.053	0.005	0.035	0.031	0.768	0.88	Yes	0.044	0.475			
01808	2351	1227	10	370.94	0.005	0.004	0.004	Free Surface	0.592	0.036	0.002	0.03	0.026	0.737	1.564	Yes	0.072	0.159			
01809	1227	1226	10	379.14	0.002	0.008	0.008	Free Surface	0.544	0.066	0.009	0.055	0.039	0.496	0.962	Yes	0.104	0.213			
01810	2353	2352	8	254.51	0.006	0.043	0.043	Pressurized	1.391	0.145	0.045	0.097	0.094	0.951	0.961	Yes	0.667	0.124			
01811	1251	1246	8	239.13	0.003	0.014	0.014	Free Surface	0.793	0.098	0.02	0.065	0.053	0.663	0.699	Yes	0.667	0.04			
01812	1250	1251	8	398.36	0.003	0.009	0.009	Free Surface	0.664	0.084	0.014	0.056	0.043	0.6	0.646	Yes	0.187	0.116			
01813	1242	1216	8	237.94	0.003	0.019	0.019	Free Surface	0.796	0.119	0.03	0.079	0.061	0.602	0.621	Yes	0.489	0.068			
01814	1244	1217	8	285.81	0.003	0.005	0.005	Free Surface	0.515	0.062	0.008	0.042	0.031	0.542	0.607	Yes	0.39	0.022			
01815	1245	1218	8	290.65	0.003	0.005	0.005	Free Surface	0.541	0.06	0.007	0.04	0.031	0.578	0.65	Yes	0.613	0.014			
01816	1246	1219	8	243.55	0.004	0.019	0.019	Pressurized	0.94	0.106	0.024	0.071	0.061	0.754	0.787	Yes	0.667	0.053			
01817	1262	1243	8	396.7	0.001	0.009	0.009	Free Surface	0.519	0.099	0.021	0.066	0.043	0.431	0.454	No	0.066	0.519			
01818	1243	1242	8	235.46	0.003	0.014	0.014	Free Surface	0.777	0.099	0.021	0.066	0.053	0.645	0.679	Yes	0.122	0.321			
01819	1261	1,260.00	8	278.45	0.005	0.002	0.002	Free Surface	0.508	0.036	0.002	0.024	0.02	0.704	0.854	Yes	0.03	0.419			
01820	1259	1262	8	148.18	0.005	0.005	0.005	Free Surface	0.677	0.052	0.005	0.035	0.031	0.781	0.898	Yes	0.05	0.365			
01821	1263	1264	8	246.39	0.006	0.035	0.035	Free Surface	1.308	0.13	0.036	0.087	0.084	0.946	0.966	Yes	0.093	1.179			
01822	1264	1265	8	246.53	0.004	0.037	0.037	Free Surface	1.085	0.154	0.051	0.102	0.087	0.719	0.722	Yes	0.113	0.944			
01823	1267	1263	8	298.76	0.004	0.029	0.029	Free Surface	1.021	0.135	0.039	0.09	0.076	0.724	0.737	Yes	0.09	1.015			
01824	1268	1269	8	234.38	0.005	0.002	0.002	Free Surface	0.507	0.036	0.002	0.024	0.02	0.701	0.85	Yes	0.029	0.383			
01825	1269	1475	8	138.2	0.008	0.004	0.004	Free Surface	0.728	0.045	0.004	0.03	0.029	0.9	1.055	Yes	0.05	0.409			
01826	1474	1475	8	138.72	0.006	0.004	0.004	Free Surface	0.652	0.049	0.005	0.032	0.029	0.777	0.901	Yes	0.05	0.394			
01827	1475	1267	8	343.17	0.002	0.01	0.01	Free Surface	0.634	0.092	0.018	0.062	0.045	0.546	0.581	Yes	0.075	0.475			
01828	1473	1474	8	181.98	0.005	0.002	0.002	Free Surface	0.5	0.037	0.002	0.024	0.02	0.689	0.834	Yes	0.029	0.384			
01829	1255	1,256.00	8	100.05	0.005	0.014	0.014	Free Surface	0.891	0.092	0.018	0.061	0.054	0.769	0.817	No	0.061	0.891			
01830	1266	1,265.00	8	68.96	0.023	0.002	0.002	Free Surface	0.867	0.025	0.001	0.017	0.02	1.438	1.843	Yes	0.07	0.105			
01831	1189	1191	8	431.24	0.004	0.006	0.006	Free Surface	0.643	0.065	0.008	0.043	0.035	0.663	0.739	Yes	0.05	0.595			
01832	1188	1189	8	151.63	0.015	0.002	0.002	Free Surface	0.748	0.028	0.001	0.019	0.02	1.18	1.488	Yes	0.03	0.368			
01833	1190	1189	8	216.31	0.006	0.002	0.002	Free Surface	0.549	0.034	0.002	0.023	0.02	0.78	0.953	Yes	0.032	0.332			
01834	1467	1468	10	194.99	0.004	0.023	0.023	Free Surface	0.977	0.087	0.016	0.072	0.064	0.776	1.452	Yes	0.074	0.955			
01835	1468	1469	10	230.19	0.005	0.025	0.025	Free Surface	1.054	0.088	0.016	0.073	0.067	0.834	1.56	Yes	0.083	0.865			
01836	1469	1470	10	398.9	0.002	0.027	0.027	Free Surface	0.789	0.113	0.027	0.094	0.069	0.549	0.995	No	0.094	0.789			
01837	1471	1182	8	341.22	0.002	0.045	0.045	Free Surface	0.854	0.209	0.095	0.139	0.096	0.482	0.473	No	0.139	0.854			
01838	1472	1471	8	152.39	0.009	0.002	0.002	Free Surface	0.626	0.031	0.002	0.021	0.02	0.929	1.151	Yes	0.082	0.083			
01839	1649	1471	8	167.65	0.005	0.004	0.004	Free Surface	0.624	0.05	0.005	0.033	0.029	0.732	0.845	Yes	0.089	0.149			
01840	1470	1471	8	377.57	0.006	0.037	0.037	Free Surface	1.336	0.133	0.038	0.089	0.087	0.953	0.971	Yes	0.116	0.904			
01841	1195	1649	8	245.75	0.006	0.002	0.002	Free Surface	0.541	0.035	0.002	0.023	0.02	0.765	0.933	Yes	0.027	0.438			
01842	1185	1183	8	388.1	0.007	0.008	0.008	Free Surface	0.864	0.064	0.008	0.043	0.041	0.895	0.997	Yes	0.083	0.325			
01843	1183	1184	8	93.63	0.004	0.057	0.057	Free Surface	1.284	0.186	0.075	0.124	0.108	0.771	0.762	Yes	0.126	1.253			
01845	1334	2493	12	427.55	0.011	1.279	1.279	Free Surface	4.249	0.408	0.349	0.408	0.478	1.353	3.664	No	0.408	4.249			
01846	2493	2494	12	436.95	0.015	1.285	1.285	Free Surface	4.805	0.373	0.297	0.373	0.479	1.61	4.33	Yes	1	1.636			
01847	2490	2491	8	146.68	0.011	0.019	0.019	Pressurized	1.339	0.085	0.015	0.056	0.062	1.206	1.297	Yes	0.667	0.054			
01848	2489	2490	8	302.75	0.004	0.014	0.014	Free Surface	0.879	0.093	0.018	0.062	0.054	0.756	0.803	Yes	0.559	0.046			
01849	2488	2489	8	233.46	0.006	0.01	0.01	Free Surface	0.858	0.071	0.01	0.048	0.044	0.842	0.925	Yes	0.055	0.7			
01850	2487	2,488.00	8	145.05	0.006	0.005	0.005	Free Surface	0.705	0.051	0.005	0.034	0.031	0.819	0.944	Yes	0.041	0.538			
01851	2494	2492	12	419.04	0.003	1.6	1.6	Pressurized	2.606	0.729	0.882	0.729	0.537	0.553	1.814	Yes	1.00	2.037	9.41	10	2
01852	2492	2491	12	312.82	0.002	1.604	1.604	Pressurized	2.043	1	1.034	1	0.528	0.36	1.551	Yes	1	2.043	10.16	12	2
01853	1603	1334	12	433.13	0.011	1.273	1.273	Free Surface	4.257	0.406	0.346	0.406	0.476	1.359	3.68	No	0.406	4.257			
01854	1335	1319	8	163.41	0.017	0.006	0.006	Free Surface	1.064	0.044	0.004	0.029	0.034	1.331	1.566	Yes	0.048	0.522			
01855	1332	1319	8	186.81	0.006	0.006	0.006	Free Surface	0.733	0.057	0.006	0.038	0.034	0.809	0.917	Yes	0.052	0.461			
01856	1319	1333	8	198.07	0.005	0.017	0.017	Free Surface	1.001	0.097	0.02	0.065	0.059	0.841	0.889	Yes	0.071	0.873			
01857	1333	1321	8	280.81	0.006	0.029	0.029	Free Surface	1.195	0.122	0.031	0.081	0.077	0.894	0.919	Yes	0.09	1.108			
01858	1321	1322	8	282.96	0.005	0.035	0.035	Free Surface	1.174	0.139	0.042	0.093	0.084	0.818	0.829	Yes	0.109	0.933			
01859	1331	1330	8	165.9	0.005	0.006	0.006	Free Surface	0.703	0.058	0.007	0.039	0.034	0.764	0.863	Yes	0.046	0.545			
01860	1330	1328	8	111.48	0.006	0.012	0.012	Free Surface	0.913	0.078	0.012	0.052	0.048	0.855	0.929	Yes	0.066	0.652			
01861	1328	1327	8	90.73	0.005	0.023	0.023	Free Surface	1.091	0.111	0.026	0.074	0.068	0.855	0.888	Yes	0.077	1.04			
01862	1329	1328	8	121.34	0.006	0.006	0.006	Free Surface	0.751	0.056	0.006	0.037	0.034	0.835	0.949	Yes	0.058	0.389			
01863	1327	1322	8	154.09	0.006	0.029	0.029	Free Surface	1.185	0.122	0.032	0.082	0.077	0.884	0.908	Yes	0.103	0.84			

01864	1325	1326	8	327.33	0.001	0.087	0.087	Pressurized	0.911	0.317	0.218	0.212	0.134	0.41	0.398	Yes	0.667	0.248			
01865	1326	2486	8	253.26	0.004	0.093	0.093	Pressurized	1.512	0.231	0.117	0.154	0.138	0.808	0.788	Yes	0.667	0.265			
01866	1323	1324	8	340.16	0.005	0.006	0.006	Free Surface	0.681	0.06	0.007	0.04	0.034	0.733	0.825	Yes	0.047	0.541			
01867	1324	1325	8	348.03	0.005	0.012	0.012	Free Surface	0.858	0.082	0.014	0.054	0.048	0.786	0.849	Yes	0.527	0.039			
01868	1320	1333	8	214.6	0.005	0.006	0.006	Free Surface	0.711	0.058	0.007	0.039	0.034	0.776	0.878	Yes	0.058	0.391			
01869	1169	1170	8	106.24	0.016	0.187	0.187	Free Surface	2.952	0.237	0.123	0.158	0.198	1.557	1.516	Yes	0.222	1.839			
01870	1170	1,171.00	8	391.02	0.002	0.193	0.193	Free Surface	1.374	0.422	0.372	0.282	0.202	0.525	0.518	No	0.282	1.374			
01871	1175	1170	8	192.67	0.007	0.003	0.003	Free Surface	0.619	0.04	0.003	0.027	0.024	0.818	0.977	Yes	0.156	0.046			
01872	1174	1173	8	198.82	0.003	0.003	0.003	Free Surface	0.476	0.047	0.004	0.032	0.024	0.575	0.67	Yes	0.035	0.408			
01873	1173	1172	8	366.06	0.004	0.006	0.006	Free Surface	0.637	0.062	0.008	0.041	0.034	0.671	0.751	Yes	0.061	0.364			
01875	1171	1734	12	282.3	0.003	0.204	0.204	Free Surface	1.575	0.222	0.108	0.222	0.185	0.703	1.891	Yes	0.226	1.533			
01876	1168	1167	8	168.5	0.006	0.003	0.003	Free Surface	0.605	0.04	0.003	0.027	0.024	0.793	0.946	Yes	0.03	0.592			
01877	1167	1169	8	65.62	0.013	0.006	0.006	Free Surface	0.985	0.046	0.004	0.031	0.034	1.202	1.404	Yes	0.095	0.188			
01878	1371	1364	8	226.76	0.075	0.45	0.45	Free Surface	6.634	0.249	0.136	0.166	0.313	3.407	3.312	Yes	0.182	5.819			
01879	1372	1371	8	210.78	0.045	0.445	0.445	Free Surface	5.52	0.281	0.173	0.188	0.311	2.654	2.572	No	0.188	5.52			
01880	1370	1372	8	209.64	0.034	0.439	0.439	Free Surface	4.96	0.301	0.197	0.201	0.309	2.298	2.227	No	0.201	4.96			
01882	2862	1369	8	430.91	0.061	0.006	0.006	Free Surface	1.667	0.033	0.002	0.022	0.034	2.429	2.99	Yes	0.028	1.123			
01883	1366	1367	8	88.92	0.02	0.006	0.006	Free Surface	1.133	0.042	0.003	0.028	0.034	1.449	1.716	Yes	0.037	0.757			
01884	1373	1365	8	220.93	0.027	0.006	0.006	Free Surface	1.263	0.039	0.003	0.026	0.034	1.675	2.005	Yes	0.036	0.802			
01885	1365	1364	8	233.05	0.01	0.012	0.012	Free Surface	1.113	0.068	0.009	0.046	0.048	1.117	1.235	Yes	0.122	0.264			
01886	1367	1368	8	362.27	0.013	0.012	0.012	Free Surface	1.211	0.065	0.008	0.043	0.048	1.25	1.393	No	0.043	1.211			
01887	1369	1368	8	142.94	0.03	0.012	0.012	Free Surface	1.612	0.053	0.006	0.036	0.048	1.835	2.101	Yes	0.039	1.391			
01888	2592	1364	8	286.69	0.018	0.069	0.069	Free Surface	2.309	0.141	0.043	0.094	0.119	1.599	1.619	Yes	0.146	1.223			
01889	1375	1374	8	248.34	0.003	0.006	0.006	Free Surface	0.581	0.066	0.009	0.044	0.034	0.591	0.656	No	0.04	0.581			
01890	1360	1346	8	270.78	0.033	0.572	0.572	Free Surface	5.281	0.349	0.261	0.232	0.355	2.255	2.192	Yes	0.251	4.749			
01891	1361	1360	8	283.78	0.034	0.566	0.566	Free Surface	5.322	0.344	0.255	0.229	0.353	2.289	2.224	Yes	0.23	5.303			
01892	1374	1361	8	400.39	0.028	0.012	0.012	Free Surface	1.564	0.054	0.006	0.036	0.048	1.763	2.013	Yes	0.134	0.232			
01893	1362	1361	8	131.8	0.036	0.549	0.549	Free Surface	5.415	0.332	0.238	0.221	0.348	2.376	2.305	Yes	0.226	5.262			
01894	1376	1347	8	359.31	0.053	0.052	0.052	Free Surface	3.095	0.095	0.019	0.063	0.103	2.629	2.785	Yes	0.135	1.024			
01895	2636	2634	8	499.45	0.005	0.251	0.251	Free Surface	2.2	0.362	0.28	0.241	0.231	0.92	0.896	Yes	0.298	1.658			
01896	2635	2636	8	391.87	0.004	0.245	0.245	Free Surface	1.971	0.386	0.315	0.257	0.228	0.794	0.777	No	0.257	1.971			
01897	1382	1379	8	324.68	0.048	0.029	0.029	Free Surface	2.514	0.073	0.011	0.049	0.077	2.435	2.667	Yes	0.07	1.662			
01898	1379	1378	8	99.44	0.011	0.035	0.035	Free Surface	1.565	0.115	0.028	0.076	0.084	1.207	1.25	No	0.076	1.565			
01899	1378	1377	8	117.53	0.067	0.04	0.04	Free Surface	3.118	0.08	0.013	0.053	0.091	2.897	3.138	Yes	0.053	3.088			
01900	1377	1376	8	334.94	0.061	0.046	0.046	Free Surface	3.144	0.087	0.015	0.058	0.097	2.797	2.997	Yes	0.058	3.089			
01901	1380	1382	8	250.92	0.035	0.023	0.023	Free Surface	2.106	0.071	0.01	0.047	0.068	2.072	2.279	No	0.05	2.106			
01902	1381	1380	8	214.54	0.034	0.017	0.017	Free Surface	1.913	0.062	0.008	0.042	0.059	2.01	2.25	Yes	0.045	1.696			
01903	1181	1177	8	310.77	0.013	0.007	0.007	Free Surface	1.04	0.051	0.005	0.034	0.038	1.208	1.391	No	0.034	1.04			
01904	1276	1274	8	113.60	0.013	0.001	0.001	Free Surface	0.621	0.023	0.001	0.015	0.016	1.075	1.396	Yes	0.02	0.428			
01905	1274	1181	8	306.48	0.013	0.004	0.004	Free Surface	0.877	0.04	0.003	0.027	0.029	1.148	1.369	Yes	0.032	0.674			
01906	1270	1273	8	211.48	0.015	0.003	0.003	Free Surface	0.834	0.033	0.002	0.022	0.024	1.217	1.499	Yes	0.03	0.523			
01907	1273	1271	8	266.14	0.011	0.009	0.009	Free Surface	1.048	0.058	0.007	0.039	0.042	1.139	1.287	Yes	0.05	0.848			
01908	1271	1179	8	355.83	0.012	0.013	0.013	Free Surface	1.223	0.07	0.01	0.047	0.052	1.21	1.333	Yes	0.051	1.067			
01909	1272	1271	8	110.66	0.031	0.002	0.002	Free Surface	0.906	0.022	0.001	0.015	0.019	1.617	2.119	Yes	0.03	0.271			
01910	1277	1278	8	251.39	0.035	0.003	0.003	Free Surface	1.111	0.027	0.001	0.018	0.024	1.788	2.269	Yes	0.02	0.73			
01911	1278	1279	8	248.09	0.04	0.007	0.007	Free Surface	1.526	0.039	0.003	0.026	0.037	2.032	2.435	Yes	0.667	0.02			
01912	1165	1166	8	123.97	0.069	0.005	0.005	Free Surface	1.624	0.029	0.001	0.019	0.03	2.529	3.177	Yes	0.027	0.951			
01913	1805	1163	8	285.71	0.074	0.005	0.005	Free Surface	1.665	0.028	0.001	0.019	0.03	2.615	3.294	Yes	0.023	1.25			
01914	1118	1117	8	335.48	0.033	4.333	4.333	Pressurized	12.413	1	1.958	0.667	0.639	2.679	2.213	Yes	0.667	12.413	8.72	10	2
01915	1610	1609	12	295.63	0.026	5.578	5.578	Free Surface	8.424	0.786	0.96	0.786	0.942	1.652	5.81	No	0.786	8.424	13.00	15	1
01916	1643	1720	15	498.73	0.007	3.751	3.751	Free Surface	4.871	0.601	0.673	0.751	0.783	1.082	5.57	No	0.751	4.871			
01918	1314	1313	8	395.92	0.004	0.012	0.012	Free Surface	0.787	0.086	0.015	0.058	0.048	0.702	0.752	Yes	0.07	0.652			
01919	1313	1316	8	80.42	0.005	0.025	0.025	Free Surface	1.122	0.115	0.028	0.077	0.071	0.862	0.892	Yes	0.078	1.094			
01920	1316	1315	8	257.53	0.008	0.037	0.037	Free Surface	1.444	0.126	0.034	0.084	0.086	1.062	1.088	Yes	0.126	0.799			
01923	2973	2971	8	386.08	0.074	0.017	0.017	Free Surface	2.498	0.052	0.005	0.035	0.059	2.875	3.302	Yes	-3.348	-1			
01924	1104	2971	8	190.09	0.002	0.006	0.006	Free Surface	0.486	0.075	0.011	0.05	0.034	0.465	0.508	No	0.05	0.486			
01925	3078	1900	8	273.7	0.011	0.287	0.287	Free Surface	2.929	0.324	0.227	0.216	0.248	1.302	1.263	Yes	0.225	2.769			
01926	2857	2958	8	183.15	0.005	0.039	0.039	Free Surface	1.272	0.144	0.044	0.096	0.089	0.873	0.883	Yes	0.22	0.39			
01927	2515	729	8	343.84	0.027	0.359	0.359	Free Surface	4.325	0.288	0.18	0.192	0.278	2.055	1.991	Yes	0.195	4.236			
01928	1880	1879	8	211.79	0.006	0.008	0.008	Free Surface	0.796	0.066	0.009	0.044	0.04	0.813	0.903	No	0.044	0.796			
01929	1879	1,875.00	8	256.81	0.019	0.012	0.012	Free Surface	1.38	0.06	0.007	0.04	0.049	1.483	1.67	Yes	0.054	0.884			
01930	1845	1899	8	187.41	0.007	1.083	1.083	Pressurized	3.101	1	1.098	0.667	0.471	0.669	0.986	No	0.67	3.101	8.99	10	1
01931	2969	805	8	216	0	0.01	0.01	Free Surface	0.337	0.144	0.045	0.096	0.046	0.231	0.233	No	0.096	0.337			
01933	344	343	8	134.01	0.013	0.083	0.083	Free Surface	2.18	0.166	0.06	0.111	0.131	1.387	1.383	No	0.111	2.18			
01934	345	344	8	234.61	0.023	0.062	0.062	Free Surface	2.426	0.127	0.034	0.084	0.113	1.776	1.819	Yes	0.097	1.994			
01935	347	345	8	47.44	0.054	0.021	0.021	Free Surface	2.369	0.061	0.007	0.041	0.065	2.518	2.828	Yes	0.06	1.331			
01936	24	1862	8	95.44	0.012	3.155	3.155	Pressurized	9.039	1	2.373	0.667	0.544	1.951	1.33	Yes	0.67	9.039	9.36	10	2
01937	1862	8	8	183.78	0.002	3.162	3.162	Pressurized	9.058	1	5.834	0.667	0.345	1.955	0.542	Yes	0.667	9.058	13.11	15	2
01938	1817	2044	8	373.62	0.004	3.279	3.279	Pressurized	9.393	1	4.57	0.667	0.4	2.027	0.717	Yes	0.667	9.393	11.67	12	2
01941	300	301	8	347.13	0.021	0.44	0.44	Free Surface	4.205	0.34	0.249	0.227	0.31	1.82	1.768	Yes	0.229	4.137			
01942	301	302	8	309.54	0.02	0.446	0.446	Free Surface	4.124	0.348	0.261	0.232	0.312	1.761	1.712	No	0.232	4.124			
01943	302	305	8	309.52	0.021	0.452	0.452	Free Surface	4.186	0.348	0.26	0.232	0.314	1.79	1.739	No	0.232	4.186			
01944	305	306	8	108.86	0.022	0.457	0.457	Free Surface	4.317	0.343	0.253	0.229	0.316	1.86	1.806	Yes	0.236	4.147			
01945	306	307	8	133.21	0.018	0.463	0.463	Free Surface	4.039	0.364	0.282	0.242	0.318	1.683	1.64	Yes	0.247	3.948			
01946	307	309	8	272.85	0.019	0.497	0.497	Free Surface	4.146	0.376	0.301	0.251	0.33	1.695	1.655	Yes	0.26	3.957			
01947	314	313	8	134.76	0.012	0.006	0.006	Free Surface	0.958	0.047	0.004	0.031	0.034	1.161	1.353	Yes	0.032	0.924			
01948	303	315	8	171.1	0.032	0.006	0.006	Free Surface	1.336	0.038	0.003	0.025	0.034	1.812	2.184	Yes	0.04	0.679			
01949	180	304	8	184.42	0.024	0.006	0.006	Free Surface	1.206	0.04	0.003	0.027	0.034	1.581	1.886	Yes	0.033	0.908			
01950	304	315	8	288.4	0.022	0.011	0.011	Free Surface	1.433	0.057	0.006	0.038	0.048	1.573	1.782	Yes	0.046	1.084			
01951	315	308	8	338.07	0.02	0.023	0.023	Free Surface	1.715	0.081	0.013	0.054	0.068	1.578	1.706	Yes	0.056	1.627			
01952	308	307	8	122.29	0.023	0.029	0.029	Free Surface	1.934	0.087	0.016	0.058	0.076	1.718	1.84	Yes	0.154	0.467			
01953	313	310	8	254.71	0.041	0.011	0.011	Free Surface	1.783	0.049	0.005	0.033	0.048	2.11	2.442	Yes	0.043	1.213			
01954	309	311	8	158.87	0.016	0.52	0.52	Free Surface	3.956	0.403	0.341	0.268	0.338	1.555	1.526	Yes	0.661	1.492			
01955	1827	1826	8	132.06	0.006	0.004	0.004	Free Surface	0.688	0.049	0.005	0.033	0.03	0.817	0.947	Yes	0.07	0.236			
01956	1824	1825	8	105.98	0.007	0.004	0.004	Free Surface	0.725	0.047	0.004	0.032	0.03	0.877	1.021	Yes	0.048	0.393			
01957	1823	1825	8	376.97	0.011	0.009	0.009	Free Surface	1.039	0.059	0.007	0.039	0.042	1.122	1.266	Yes	0.052	0.698			
01958	1825	1826	8	167.37	0.007	0.017	0.017	Free Surface	1.097	0.091	0.017	0.061	0.059	0.951	1.012	Yes	0.081	0.716			
01959	1826	1,828.00	8	139.94	0.002	0.026	0.026	Free Surface	0.742	0.157	0.054	0.105	0.073	0.486	0.487	No	0.11	0.742			
01960	1822	1823	8	329.44	0.016	0.004	0.004	Free Surface	0.955	0.039	0.003	0.026	0.03	1.268	1.519	Yes	0.031	0.75			
01961	434	438	8	112.44	0.01	0.022	0.022	Free Surface	1.348	0.092	0.017	0.061	0.066	1.167	1.241	Yes	0.183	0.277			
01962	113	438	8	172.23	0.056	0.017	0.017	Free Surface	2.26	0.056	0.006	0.037	0.059	2.511	2.855	Yes	0.171	0.247			
01963	376	113	8	243.85	0.031	0.013	0.013	Free Surface	1.696	0.056	0.006	0.037	0.051	1.885	2.143	Yes	0.037	1.695			
01964	86	300	8	105.31	0.031	0.435	0.435	Free Surface	4.815	0.305	0.203	0.204	0.308	2.213	2.145	Yes	0.215	4.46			
01965	63	62	8	309.02	0.004	0.005	0.005	Free Surface	0.611	0.06	0.007	0.04	0.032	0.656	0.739	Yes	0.044	0.535			
01968	1940	1994	15	332.19	0.01	1.237	1.237	Free Surface	3.999	0.3	0.195	0.375	0.439	1.356	6.327	Yes	0.398	3.676			
01969	1994	1995	15	338.69	0.006	1.242	1.242	Free Surface	3.412	0.337	0.245	0.422	0.44	1.083	5.064	Yes	0.467	2.973			
01970	1995	1996	15	342.55	0.003	1.248	1.248	Free Surface	2.641	0.409	0.351	0.512	0.441	0.751	3.552	No	0.512	2.641			
01971	1996	1997	15	337.99	0.004	1.253	1.253	Free Surface	2.94	0.379	0.305	0.474	0.442	0.874	4.109	Yes	0.505	2.697			
01972	1997	1998	15	262.44	0.003	1.429	1.429	Free Surface	2.837	0.429	0.383	0.537	0.473	0.784	3.729	No	0.537	2.837			
01973	1998	1999	15	261.52	0.004	1.435	1.435	Free Surface	2.96	0.417	0.364	0.521	0.474	0.832	3.945	Yes	0.533	2.875			
01974	1999	2000	15	401.88	0.004	1.519	1.519	Free Surface	2.959	0.436	0.393	0.544	0.488	0.81	3.864	Yes	0.71	2.109			
01975	2000	2001	15	387.77	0.002	2.342	2.342	Free Surface	2.548	0.701	0.839	0.876	0.612	0.501	2.791	No	0.88	2.548	11.71	12	2
01976	2013	2012	8	370	0.009	0.007	0.007	Free Surface	0.875	0.055	0.006	0.037	0.036	0.982	1.12	Yes	0.045	0.643			
01977	2012	2011	8	242.78	0.007	0.013	0.013	Free Surface	0.997	0.08	0.013	0.053	0.051	0.923	0.999	Yes	0.059	0.859			
01978	2011	2009	8	240.49	0.007	0.02	0.02	Free Surface	1.126	0.097	0.02	0.065	0.063	0.945	0.997	Yes	0.075	0.916			
01979	2010	2009	8	371.62	0.012	0.007	0.007	Free Surface	0.984	0.051	0.005	0.034	0.036	1.149	1.326	Yes	0.059	0.43			
01980	2009	2008	8	236.98	0.006	0.033	0.033	Free Surface	1.276	0.127	0.034	0.084	0.082	0.935	0.957	Yes	0.084	1.273			
01981	2008	2006	8	236.65	0.009	0.039	0.039	Free Surface	1.524	0.127	0.034	0.085	0.089	1.115	1.141	Yes	0.089	1.424			
01982	2007	2006	8	369.32	0.006	0.007	0.007	Free Surface	0.752	0.061	0.007	0.04	0.036	0.801	0.9	Yes	0.067	0.361			
01983	2006	2005	8	348.95	0.011	0.052	0.052	Free Surface	1.779	0.139	0.042	0.093	0.103	1.242	1.259	Yes	0.106	1.471			
01984	2005	2004	8	282.09	0.009	0.078	0.078	Free Surface	1.867	0.178	0.069	0.119	0.127	1.146	1.136	Yes	0.132	1.596			
01985	2004	2003	8	359.16	0.007	0.105	0.105	Free Surface	1.849	0.219	0.105	0.146	0.147	1.017	0.995	Yes	0.163	1.576			
01986	2003	2002	8	305.48	0.005	0.144	0.144	Free Surface	1.878	0.271	0.161	0.181	0.173	0.921	0.893	No	0.18	1.878			
01987	2002	1997	8	293.63	0.01	0.15	0.15	Free Surface	2.35	0.239	0.125	0.159	0.177	1.235	1.202	Yes	0.348	0.816			
01988	2040	2039	15	529.07	0.02	11.12	11.12	Pressurized	9.062	1	1.223	1.25	1.159	1.428	9.094	Yes	1.25	9.062	13.64	15	2
01989	2039	2038	15	182.15	0.012	11.125	11.125	Pressurized	9.065	1	1.552	1.25	1.07	1.429	7.166	Yes	1.25	9.065	15.02	18	2
01990	2038	2037	15	384.61	0.019	11.13	11.13	Pressurized	9.069	1	1.258	1.25	1.15	1.43	8.85	Yes	1.25	9.069	13.78	15	2
01991	2037	2036	12	106.85	0.07	11.134	11.134	Pressurized	14.177	1	1.181	1	0.992	2.498	9.426	Yes	1	14.177	10.79	12	2
01992	2036	3,036.00	12	252.61	0.06	11.139	11.139	Pressurized	14.182	1	1.273	1	0.99	2.499	8.748	Yes	1.00	14.182	11.11	12	2
01993	2035	662.00	12	333.47	0.073	11.238	11.238	Pressurized	14.309	1	1.163	1	0.993	2.522	9.661	Yes	1.00	14.309	10.74	12	2
01994	2014	2015	8	400.59	0.054	0.004	0.004	Free Surface	1.398	0.027	0.001	0.018	0.027	2.231	2.824	Yes	0.024	0.922			
01995	2015	2017	8	310.68	0.058	0.011	0.011	Free Surface	2	0.045	0.004	0.03	0.047	2.484	2.916	Yes	0.044	1.121			
01996	2017	2018	8	397.97	0.006	0.015	0.015	Free Surface	0.989	0.088	0.016	0.059	0.055	0.874	0.935	Yes	0.071	0.738			
01997	2018	2041	8	133.42	0.007	0.033	0.033	Free Surface	1.303	0.126	0.034	0.084	0.082	0.955	0.978	Yes	0.09	1.181			
01998	2041	2023	8	119.56	0.005	0.037	0.037	Free Surface	1.197	0.144	0.045	0.096	0.087	0.821	0.829	Yes	0.098	1.17			
01999	2023	2026	8	110.58	0.007	0.048	0.048	Free Surface	1.488	0.149	0.048	0.099	0.099	1.003	1.011	Yes	0.102	1.43			
02000	2026	2027	8	156.13	0.006	0.052	0.052	Free Surface	1.482	0.157	0.053	0.105	0.103	0.972	0.974	Yes	0.109	1.399			

02001	2027	2028	8	381.35	0.005	0.056	0.056	Free Surface	1.418	0.17	0.063	0.113	0.107	0.892	0.888	No	0.113	1.418			
02002	2028	2032	8	251.3	0.079	0.078	0.078	Free Surface	4.018	0.104	0.023	0.07	0.127	3.249	3.401	No	0.07	4.018			
02003	2032	2033	8	181.55	0.214	0.082	0.082	Free Surface	5.792	0.085	0.015	0.056	0.13	5.212	5.6	Yes	0.062	5.038			
02004	2033	2034	8	325.8	0.109	0.086	0.086	Free Surface	4.636	0.102	0.022	0.068	0.133	3.803	3.994	No	0.068	4.636			
02005	2034	3036	8	82.84	0.134	0.09	0.09	Free Surface	5.05	0.099	0.02	0.066	0.136	4.206	4.433	Yes	0.667	0.258			
02006	2022	2021	8	143.69	0.043	0.004	0.004	Free Surface	1.29	0.029	0.001	0.019	0.027	2.003	2.515	Yes	0.02	0.998			
02007	2021	2020	8	197.77	0.044	0.007	0.007	Free Surface	1.605	0.04	0.003	0.026	0.039	2.123	2.538	Yes	0.029	1.41			
02008	2020	2019	8	94.38	0.048	0.011	0.011	Free Surface	1.878	0.047	0.004	0.031	0.047	2.283	2.663	Yes	0.033	1.713			
02009	2019	2018	8	200.49	0.051	0.015	0.015	Free Surface	2.094	0.053	0.005	0.035	0.055	2.395	2.746	Yes	0.06	0.959			
02010	2025	2024	8	123.34	0.03	0.004	0.004	Free Surface	1.144	0.031	0.002	0.021	0.027	1.706	2.115	Yes	0.022	1.049			
02011	2024	2023	8	102.86	0.075	0.007	0.007	Free Surface	1.931	0.035	0.002	0.023	0.039	2.719	3.313	Yes	0.061	0.463			
02012	2016	2015	8	161.05	0.102	0.004	0.004	Free Surface	1.741	0.024	0.001	0.016	0.027	2.99	3.872	Yes	0.023	0.998			
02013	2043	2042	8	329.38	0.021	0.004	0.004	Free Surface	1.005	0.034	0.002	0.023	0.027	1.433	1.754	Yes	0.026	0.828			
02014	2042	2,031.00	8	333.40	0.029	0.007	0.007	Free Surface	1.396	0.044	0.004	0.029	0.039	1.762	2.077	Yes	0.03	1.355			
02015	2031	2030	8	216.22	0.056	0.011	0.011	Free Surface	1.973	0.045	0.004	0.03	0.047	2.439	2.859	Yes	0.032	1.785			
02016	2030	2029	8	270.33	0.057	0.015	0.015	Free Surface	2.166	0.052	0.005	0.034	0.055	2.506	2.882	Yes	0.035	2.101			
02017	2029	2028	8	68.97	0.074	0.019	0.019	Free Surface	2.55	0.054	0.006	0.036	0.061	2.89	3.304	Yes	0.053	1.44			
02018	2055	2054	8	93.59	0.027	0	0	Free Surface	0	0	0	0	0	0	1.992	Yes	0.01	0			
02019	2054	2053	8	243.30	0.032	0.004	0.004	Free Surface	1.154	0.031	0.002	0.02	0.027	1.736	2.158	Yes	0.031	0.631			
02020	2053	2052	8	153.93	0.007	0.007	0.007	Free Surface	0.824	0.061	0.007	0.041	0.038	0.874	0.981	Yes	0.045	0.709			
02021	2052	2051	8	232.47	0.006	0.011	0.011	Free Surface	0.929	0.074	0.011	0.05	0.047	0.893	0.976	Yes	0.087	0.408			
02022	2051	2050	8	220.19	0.01	0.091	0.091	Free Surface	2.026	0.186	0.076	0.124	0.137	1.215	1.2	Yes	0.126	1.988			
02023	2050	2049	8	192.15	0.01	0.095	0.095	Free Surface	2.028	0.191	0.08	0.128	0.14	1.199	1.182	No	0.13	2.028			
02024	2049	2048	8	192.67	0.042	0.098	0.098	Free Surface	3.452	0.136	0.04	0.091	0.143	2.438	2.478	Yes	0.667	0.281			
02025	2048	2046	8	229.18	0.009	0.102	0.102	Pressurized	2.042	0.201	0.088	0.134	0.145	1.177	1.157	Yes	0.667	0.292			
02026	2047	2046	8	81.52	0.006	0.011	0.011	Pressurized	0.917	0.075	0.011	0.05	0.047	0.878	0.958	Yes	0.667	0.031			
02027	2046	2045	8	228.79	0.038	0.116	0.116	Pressurized	3.52	0.151	0.049	0.1	0.156	2.357	2.371	Yes	0.667	0.333			
02028	2044	2,045.00	8	217.52	0.009	3.282	3.282	Pressurized	9.403	1	2.839	0.667	0.51	2.029	1.156	Yes	0.67	9.403	10.03	12	2
02029	2045	2056	8	334.27	0.015	3.402	3.402	Pressurized	9.747	1	2.278	0.667	0.572	2.104	1.494	Yes	0.667	9.747	9.23	10	2
02030	2056	2057	8	93.81	0.056	3.406	3.406	Pressurized	9.757	1	1.186	0.667	0.656	2.106	2.872	Yes	0.667	9.757	7.22	8	2
02031	2057	2058	8	120.94	0.054	3.428	3.428	Pressurized	9.82	1	1.212	0.667	0.656	2.119	2.828	Yes	0.667	9.82	7.28	8	2
02032	2058	2059	8	205.87	0.035	3.431	3.431	Pressurized	9.83	1	1.514	0.667	0.641	2.122	2.266	Yes	0.667	9.83	7.90	8	2
02033	2059	2060	8	269.82	0.036	3.435	3.435	Pressurized	9.841	1	1.491	0.667	0.643	2.124	2.303	Yes	0.67	9.841	7.86	8	2
02034	2060	2061	8	386.11	0.008	3.442	3.442	Pressurized	9.861	1	3.121	0.667	0.498	2.128	1.103	Yes	0.667	9.861	10.44	12	2
02035	2065	2064	8	59.66	0.012	0.004	0.004	Pressurized	0.829	0.038	0.003	0.026	0.027	1.115	1.34	Yes	0.67	0.01			
02036	2064	2063	8	170.64	0.016	0.051	0.051	Pressurized	2.012	0.125	0.034	0.084	0.102	1.481	1.518	Yes	0.667	0.146			
02037	2063	2062	8	156.44	0.014	0.055	0.055	Pressurized	1.954	0.134	0.039	0.089	0.106	1.389	1.414	Yes	0.667	0.156			
02038	2062	2061	8	78.47	0.008	0.058	0.058	Pressurized	1.636	0.159	0.054	0.106	0.109	1.067	1.068	Yes	0.667	0.167			
02039	2061	2066	8	261.21	0.014	3.504	3.504	Pressurized	10.039	1	2.467	0.667	0.56	2.167	1.42	Yes	0.667	10.039	9.46	10	2
02040	2066	2067	8	216.57	0.025	3.508	3.508	Pressurized	10.049	1	1.849	0.667	0.619	2.169	1.897	Yes	0.667	10.049	8.49	10	2
02041	2067	2068	8	85.89	0.024	3.511	3.511	Pressurized	10.059	1	1.885	0.667	0.616	2.171	1.863	Yes	0.667	10.059	8.56	10	2
02042	2068	2069	8	169.51	0.024	3.522	3.522	Pressurized	10.091	1	1.872	0.667	0.617	2.178	1.882	Yes	0.667	10.091	8.57	10	2
02043	2069	2070	8	256.74	0.024	3.526	3.526	Pressurized	10.101	1	1.883	0.667	0.616	2.18	1.872	Yes	0.667	10.101	8.57	10	2
02044	2072	2071	8	164.46	0.039	0.004	0.004	Free Surface	1.24	0.029	0.002	0.019	0.027	1.913	2.396	Yes	0.667	0.01			
02045	2071	2070	8	126.76	0.035	0.029	0.029	Pressurized	2.256	0.079	0.013	0.053	0.077	2.101	2.278	Yes	0.667	0.083			
02046	2070	2,073.00	8	326.26	0.022	3.559	3.559	Pressurized	10.195	1	1.987	0.667	0.609	2.2	1.791	Yes	0.667	10.195	8.74	10	2
02047	2073	2074	8	101.42	0.006	3.562	3.562	Pressurized	10.205	1	3.701	0.667	0.465	2.203	0.962	Yes	0.667	10.205	11.16	12	2
02048	2074	2075	8	277.07	0.002	3.566	3.566	Pressurized	10.216	1	6.86	0.667	0.338	2.205	0.52	Yes	0.667	10.216	13.71	15	2
02049	2075	2076	8	254.52	0.011	3.57	3.57	Pressurized	10.226	1	2.779	0.667	0.536	2.207	1.284	Yes	0.67	10.226	9.97	10	2
02050	2076	2077	8	182.53	0.007	4.066	4.066	Pressurized	11.648	1	4.042	0.667	0.476	2.514	1.006	Yes	0.667	11.648	11.39	12	2
02051	2077	2078	8	95.41	0.009	4.07	4.07	Pressurized	11.658	1	3.567	0.667	0.506	2.516	1.141	Yes	0.667	11.658	10.87	12	2
02052	2078	2079	8	116.91	0.006	4.073	4.073	Pressurized	11.669	1	4.305	0.667	0.461	2.519	0.946	Yes	0.667	11.669	11.73	12	2
02053	2080	2081	8	382.03	0.04	0.004	0.004	Free Surface	1.255	0.029	0.001	0.019	0.027	1.944	2.438	Yes	0.667	0.01			
02054	2081	2047	8	61.18	0.009	0.007	0.007	Pressurized	0.902	0.058	0.007	0.038	0.038	0.987	1.117	Yes	0.667	0.021			
02055	2102	2101	8	150.71	0.01	0.004	0.004	Free Surface	0.78	0.04	0.003	0.027	0.027	1.028	1.229	Yes	0.047	0.334			
02056	2101	2083	8	244.46	0.013	0.029	0.029	Free Surface	1.571	0.101	0.021	0.068	0.077	1.29	1.356	Yes	0.081	1.199			
02057	2085	2084	8	93.69	0.015	0.004	0.004	Free Surface	0.89	0.036	0.002	0.024	0.027	1.228	1.486	Yes	0.033	0.577			
02058	2084	2083	8	130.44	0.007	0.007	0.007	Free Surface	0.826	0.061	0.007	0.041	0.038	0.876	0.984	Yes	0.068	0.39			
02059	2083	2082	8	230.25	0.006	0.04	0.04	Free Surface	1.315	0.142	0.044	0.095	0.09	0.907	0.917	Yes	0.11	1.131			
02060	2082	2051	8	155.79	0.009	0.076	0.076	Free Surface	1.885	0.174	0.066	0.116	0.125	1.172	1.165	Yes	0.12	1.789			
02061	2094	2093	8	136.25	0.023	0.004	0.004	Free Surface	1.028	0.033	0.002	0.022	0.027	1.487	1.828	Yes	0.025	0.877			
02062	2093	2092	8	192.37	0.038	0.007	0.007	Free Surface	1.521	0.041	0.003	0.027	0.038	1.988	2.37	Yes	0.03	1.277			
02063	2092	2091	8	87.32	0.033	0.011	0.011	Free Surface	1.637	0.051	0.005	0.034	0.047	1.911	2.204	Yes	0.034	1.613			
02064	2091	2089	8	128.91	0.054	0.015	0.015	Free Surface	2.12	0.052	0.005	0.034	0.054	2.45	2.817	Yes	0.044	1.493			
02065	2089	2088	8	148.1	0.02	0.022	0.022	Free Surface	1.689	0.079	0.013	0.053	0.066	1.572	1.704	Yes	0.059	1.43			
02066	2088	2087	8	158.05	0.011	0.025	0.025	Free Surface	1.437	0.098	0.02	0.066	0.072	1.198	1.264	Yes	0.067	1.38			
02067	2087	2086	8	225.65	0.011	0.029	0.029	Free Surface	1.516	0.104	0.023	0.069	0.077	1.23	1.288	No	0.069	1.516			
02068	2086	2082	8	194.91	0.027	0.033	0.033	Free Surface	2.12	0.09	0.017	0.06	0.082	1.855	1.979	Yes	0.09	1.207			
02069	2090	2089	8	112.89	0.029	0.004	0.004	Free Surface	1.12	0.031	0.002	0.021	0.027	1.669	2.068	Yes	0.037	0.48			
02070	2095	2096	8	114.63	0.026	0.004	0.004	Free Surface	1.078	0.032	0.002	0.021	0.027	1.585	1.957	Yes	0.025	0.842			
02071	2096	2097	8	200.67	0.028	0.007	0.007	Free Surface	1.363	0.044	0.004	0.029	0.038	1.716	2.022	Yes	0.03	1.272			
02072	2097	2098	8	195.49	0.043	0.011	0.011	Free Surface	1.787	0.048	0.004	0.032	0.047	2.149	2.5	Yes	0.038	1.355			
02073	2098	2099	8	328.87	0.017	0.015	0.015	Free Surface	1.431	0.067	0.009	0.045	0.054	1.446	1.602	Yes	0.051	1.181			
02074	2099	2100	8	250.17	0.01	0.018	0.018	Free Surface	1.246	0.086	0.015	0.057	0.061	1.111	1.192	Yes	0.065	1.047			
02075	2100	2101	8	158.31	0.005	0.022	0.022	Free Surface	1.076	0.108	0.024	0.072	0.066	0.856	0.893	No	0.072	1.076			
02078	1975	1501	8	240.85	0.014	0.008	0.008	Free Surface	1.108	0.055	0.006	0.037	0.041	1.243	1.418	Yes	0.049	0.711			
02079	1974	1502	8	247.61	0.021	0.008	0.008	Free Surface	1.282	0.05	0.005	0.033	0.041	1.513	1.75	Yes	0.041	0.936			
02080	1972	1971	8	326.05	0.114	0.01	0.01	Free Surface	2.474	0.037	0.003	0.025	0.046	3.389	4.095	Yes	0.04	1.212			
02081	1977	1976	8	400.7	0.108	0.015	0.015	Free Surface	2.742	0.045	0.004	0.03	0.056	3.39	3.974	Yes	0.034	2.314			
02082	1981	1982	8	405.12	0.076	0.01	0.01	Free Surface	2.149	0.041	0.003	0.027	0.046	2.806	3.343	Yes	0.03	1.958			
02083	1973	1972	8	127.68	0.107	0.005	0.005	Free Surface	1.957	0.027	0.001	0.018	0.032	3.131	3.966	Yes	0.021	1.529			
02085	1979	1978	8	147.62	0.078	0.005	0.005	Free Surface	1.752	0.029	0.002	0.019	0.032	2.7	3.382	Yes	0.022	1.434			
02086	1978	1977	8	397.36	0.105	0.01	0.01	Free Surface	2.405	0.038	0.003	0.025	0.046	3.263	3.932	Yes	0.028	2.083			
02087	1976	1969	8	230.89	0.076	0.021	0.021	Free Surface	2.649	0.056	0.006	0.038	0.065	2.935	3.334	Yes	0.049	1.8			
02088	1980	1981	8	321.02	0.085	0.005	0.005	Free Surface	1.807	0.029	0.001	0.019	0.032	2.813	3.534	Yes	0.023	1.362			
02089	1967	1508	8	268.47	0.005	0.057	0.057	Free Surface	1.378	0.175	0.067	0.117	0.108	0.852	0.846	Yes	0.139	1.076			
02090	1969	1968	8	294.3	0.053	0.046	0.046	Free Surface	2.985	0.09	0.017	0.06	0.097	2.607	2.78	Yes	0.076	2.103			
02091	1968	1967	8	268.51	0.011	0.051	0.051	Free Surface	1.764	0.138	0.041	0.092	0.103	1.235	1.253	Yes	0.105	1.471			
02092	1971	1970	8	253.47	0.008	0.015	0.015	Free Surface	1.127	0.083	0.014	0.055	0.056	1.028	1.108	Yes	0.057	1.07			
02093	1970	1969	8	206.32	0.011	0.021	0.021	Free Surface	1.357	0.088	0.016	0.059	0.065	1.195	1.276	Yes	0.059	1.342			
02094	1952	1951	8	400.35	0.009	0.004	0.004	Free Surface	0.771	0.045	0.004	0.03	0.029	0.959	1.126	Yes	0.036	0.586			
02095	1951	1950	8	401.33	0.008	0.009	0.009	Free Surface	0.932	0.063	0.008	0.042	0.041	0.976	1.092	Yes	0.046	0.821			
02096	1950	1958	8	360.85	0.009	0.013	0.013	Free Surface	1.097	0.074	0.011	0.049	0.051	1.058	1.157	No	0.049	1.097			
02098	1956	1955	8	400.23	0.007	0.004	0.004	Free Surface	0.7	0.048	0.004	0.032	0.029	0.843	0.98	Yes	0.038	0.539			
02099	1955	1949	8	400.34	0.007	0.009	0.009	Free Surface	0.865	0.066	0.009	0.044	0.041	0.884	0.982	No	0.044	0.865			
02100	1949	1953	8	381.89	0.034	0.013	0.013	Free Surface	1.733	0.054	0.006	0.036	0.051	1.955	2.232	Yes	0.667	0.037			
02101	5	4	8	267.76	0.008	3.195	3.195	Pressurized	9.153	1	2.896	0.667	0.498	1.975	1.103	Yes	0.67	9.153	10.15	12	2
02102	2106	2105	8	106.16	0.013	0.046	0.046	Pressurized	1.804	0.126	0.034	0.084	0.097	1.324	1.356	Yes	0.667	0.132			
02103	2104	2103	8	265.62	0.025	0.007	0.007	Pressurized	1.278	0.043	0.003	0.028	0.036	1.629	1.927	Yes	0.667	0.019			
02104	4	2103	8	214.32	0.009	3.254	3.254	Pressurized	9.322	1	2.86	0.667	0.506	2.012	1.138	Yes	0.67	9.322	9.99	10	2
02105	2103	447	8	173.66	0.001	3.267	3.267	Pressurized	9.36	1	8.376	0.667	0.291	2.02	0.39	Yes	0.667	9.36	19.60	21	1
02106	2111	2110	8	210.88	0.006	0.013	0.013	Pressurized	0.963	0.082	0.014	0.055	0.051	0.879	0.948	Yes	0.667	0.038			
02107	2109	2106	8	89.03	0.006	0.026	0.026	Pressurized	1.154	0.117	0.029	0.078	0.073	0.881	0.911	Yes	0.667	0.075			
02108	2110	2109	8	216.8	0.007	0.02	0.02	Pressurized	1.123	0.098	0.02	0.065	0.063	0.939	0.991	Yes	0.667	0.057			
02109	2112	2111	8	175.71	0.006	0.007	0.007	Pressurized	0.774	0.06	0.007	0.04	0.036	0.832	0.937	Yes	0.667	0.019			
02110	2107	2106	8	110.26	0.007	0.013	0.013	Pressurized	1.023	0.079	0.013	0.053	0.051	0.954	1.034	Yes	0.667	0.038			
02111	2108	2107	8	396.04	0.006	0.007	0.007	Pressurized	0.778	0.06	0.007	0.04	0.036	0.837	0.943	Yes	0.67	0.019			
02117	2119	1146	8	258.08	0.008	0.005	0.005	Pressurized	0.757	0.048	0.004	0.032	0.03	0.91	1.059	Yes	0.667	0.013			
02118	2120	1522	8	155.53	0.069	0.04	0.04	Free Surface	3.135	0.079	0.013	0.053	0.09	2.926	3.173	Yes	0.07	2.064			
02119	2121	2120	8	179.5	0.044	0.035	0.035	Free Surface	2.574	0.082	0.014	0.055	0.084	2.353	2.539	No	0.055	2.574			
02120	2122	2121	8	226.99	0.074	0.03	0.03	Free Surface	2.942	0.067	0.009	0.045	0.078	2.975	3.295	Yes	0.05	2.523			
02121	2123	2122	8	225.46	0.096	0.025	0.025	Free Surface	3.039	0.058	0.007	0.039	0.071	3.315	3.75	Yes	0.042	2.709			
02122	2124	2123	8	187.64	0.095	0.02	0.02	Free Surface	2.825	0.052	0.005	0.035	0.063	3.255	3.739	Yes	0.037	2.602			
02123	2125	2124	8	297.09	0.087	0.014	0.014	Free Surface	2.492	0.046	0.004	0.031	0.054	3.052	3.568	Yes	0.03	2.272			
02124	2126	2125	8	188.56	0.027	0.005	0.005	Free Surface	1.211	0.037	0.003	0.025	0.032	1.648	1.987	Yes	0.028	1.029			
02125	2127	2125	8	288.90	0.043	0.004	0.004	Free Surface	1.335	0.03	0.002	0.02	0.029	2.022	2.518	Yes	0.025	0.945			
02126	2127	2,128.00	8	399.11	0.096	0.006	0.006	Free Surface	1.992	0.03	0.002	0.02	0.035	3.016	3.756	Yes	0.02	1.575			
02127	2128	2129	8	186.57	0.092	0.011	0.011	Free Surface	2.362	0.041	0.003	0.027	0.048	3.085	3.676	Yes	0.03	2.045			
02128	2129	2130	8	398.95	0.088	0.016	0.016	Free Surface	2.61	0.049	0.005	0.033	0.058	3.104	3.599	Yes	0.037	2.165			
02129	2130	1526	8	215.36	0.055	0.022	0.022	Free Surface	2.407	0.062	0.008	0.041	0.066	2.539	2.845	Yes	0.042	2.367			
02130	1983	1510	8	368.13	0.095	0.021	0.021	Free Surface	2.865	0.053	0.006	0.036	0.065	3.259	3.73	Yes	0.042	2.236			
02131	1982	1983	8	395.13	0.102	0.015	0.015	Free Surface	2.691	0.046	0.004	0.031	0.056	3.306	3.868	Yes	0.033	2.394			
02132	2131	2127	8	146.71	0.036	0.005	0.005	Free Surface	1.342	0.035	0.002	0.023	0.032	1.89	2.303	No	0.023	1.342			
02134	2138	182	8	122.68	0.005	0.01	0.01	Free Surface	0.861	0.076	0.012	0.05	0.046	0.821	0.895	Yes	0.07	0.537			
02135	2139	2138	8	241.41	0.002	0.005	0.005	Free Surface	0.448	0.074	0.011	0.049	0.032	0.433	0.474	Yes	0.05	0.439			
02136	2141	2140	8	103.15	0.07	0.005	0.005	Free Surface	1.691	0.03	0.002	0.02	0.032	2.567	3.201	Yes	0.026	1.148			
02137	2140	175	8	51.28	0.038	0.01	0.01	Free Surface	1.689	0.048	0.004	0.032	0.046	2.028	2.357	Yes	0.038	1.328			

02138	2145	2144	8	193.47	0.004	0.314	0.314	Free Surface	2.14	0.437	0.395	0.291	0.259	0.801	0.794	Yes	0.302	2.043			
02139	2143	2,142.00	8	237.89	0.012	1.095	1.095	Free Surface	4.281	0.687	0.817	0.458	0.496	1.173	1.34	No	0.458	4.281	6.29	8	2
02141	2144	2143	8	97.63	0.003	0.319	0.319	Free Surface	1.991	0.468	0.447	0.312	0.262	0.714	0.715	Yes	0.385	1.529			
02142	2149	2148	8	396.42	0.002	0.006	0.006	Free Surface	0.509	0.074	0.011	0.049	0.034	0.491	0.537	No	0.049	0.509			
02143	2148	2147	8	136.48	0.009	0.012	0.012	Free Surface	1.064	0.072	0.01	0.048	0.049	1.043	1.146	Yes	0.054	0.888			
02144	2147	2146	8	128.48	0.008	0.018	0.018	Free Surface	1.135	0.09	0.017	0.06	0.06	0.988	1.053	Yes	0.067	0.966			
02145	2146	2145	8	207.01	0.006	0.024	0.024	Free Surface	1.115	0.111	0.026	0.074	0.069	0.873	0.907	Yes	0.183	0.305			
02146	2152	2145	8	128.16	0.005	0.284	0.284	Free Surface	2.265	0.388	0.319	0.259	0.246	0.909	0.889	Yes	0.28	2.089			
02147	2150	2151	8	235.29	0.001	0.272	0.272	Free Surface	1.044	0.699	0.835	0.466	0.241	0.282	0.326	No	0.47	1.044	5.95	6	2
02148	2151	2152	8	290.39	0.004	0.278	0.278	Free Surface	2.093	0.406	0.346	0.27	0.244	0.819	0.804	No	0.27	2.093			
02149	2191	2190	8	361.62	0.022	0.006	0.006	Free Surface	1.18	0.042	0.003	0.028	0.034	1.517	1.799	Yes	0.115	0.148			
02150	2193	2192	8	110.24	0.055	0.361	0.361	Free Surface	5.565	0.241	0.127	0.161	0.279	2.909	2.831	Yes	0.217	3.653			
02151	2192	2190	8	410.99	0.007	0.367	0.367	Free Surface	2.715	0.411	0.354	0.274	0.282	1.054	1.037	No	0.274	2.715			
02152	2190	2189	8	192.23	0.025	0.379	0.379	Free Surface	4.256	0.302	0.199	0.201	0.286	1.968	1.907	Yes	0.209	4.051			
02153	2189	2188	8	282.87	0.02	0.384	0.384	Free Surface	3.924	0.324	0.227	0.216	0.289	1.745	1.693	Yes	0.254	3.145			
02154	2188	2187	8	137.01	0.007	0.39	0.39	Free Surface	2.652	0.438	0.398	0.292	0.291	0.991	0.982	No	0.292	2.652			
02155	2187	2,186.00	8	136.53	0.008	0.396	0.396	Free Surface	2.927	0.411	0.355	0.274	0.293	1.135	1.117	No	0.27	2.927			
02156	2186	2183	8	384.09	0.024	0.402	0.402	Free Surface	4.309	0.313	0.212	0.209	0.295	1.954	1.894	No	0.209	4.309			
02157	2185	2184	8	215.15	0.035	0.006	0.006	Free Surface	1.38	0.038	0.003	0.025	0.034	1.872	2.255	Yes	0.038	0.756			
02158	2184	2183	8	230.72	0.007	0.012	0.012	Free Surface	0.989	0.075	0.011	0.05	0.049	0.945	1.031	Yes	0.13	0.253			
02159	2183	2182	8	330.81	0.028	0.42	0.42	Free Surface	4.601	0.308	0.206	0.205	0.302	2.105	2.04	Yes	0.226	4.037			
02160	2195	2182	8	358.96	0.008	0.006	0.006	Free Surface	0.82	0.054	0.006	0.036	0.034	0.932	1.066	Yes	0.141	0.11			
02161	2182	2181	8	267.26	0.015	0.432	0.432	Free Surface	3.689	0.369	0.291	0.246	0.307	1.524	1.486	Yes	0.25	3.663			
02162	2181	2180	8	148.57	0.015	0.438	0.438	Free Surface	3.688	0.373	0.296	0.249	0.309	1.515	1.478	Yes	0.261	3.448			
02163	2196	2197	8	202.93	0.017	0.006	0.006	Free Surface	1.086	0.044	0.004	0.03	0.034	1.357	1.596	Yes	0.039	0.72			
02164	2197	2198	8	192.94	0.009	0.012	0.012	Free Surface	1.046	0.073	0.011	0.048	0.049	1.019	1.117	Yes	0.08	0.496			
02165	2199	2200	8	124.9	0.013	0.006	0.006	Free Surface	0.973	0.048	0.004	0.032	0.034	1.171	1.363	Yes	0.04	0.681			
02166	2200	2201	8	224.78	0.008	0.012	0.012	Free Surface	1.022	0.074	0.011	0.049	0.049	0.988	1.081	Yes	0.054	0.878			
02167	2201	2202	8	147.84	0.008	0.018	0.018	Free Surface	1.146	0.09	0.017	0.06	0.06	1.002	1.069	Yes	0.064	1.037			
02168	2202	2203	8	114.75	0.008	0.024	0.024	Free Surface	1.259	0.102	0.022	0.068	0.069	1.028	1.079	Yes	0.074	1.113			
02169	2203	2,204.00	8	104.95	0.006	0.03	0.03	Free Surface	1.241	0.12	0.031	0.08	0.078	0.933	0.961	Yes	0.084	1.162			
02170	2204	2198	8	221.63	0.006	0.036	0.036	Free Surface	1.31	0.132	0.037	0.088	0.085	0.941	0.96	Yes	0.1	1.083			
02171	2198	2180	8	324.03	0.005	0.053	0.053	Free Surface	1.374	0.168	0.062	0.112	0.104	0.868	0.865	Yes	0.193	0.635			
02172	2180	2179	8	173.28	0.013	0.497	0.497	Free Surface	3.673	0.411	0.355	0.274	0.33	1.425	1.402	No	0.274	3.673			
02173	2179	2177	8	163.23	0.019	0.503	0.503	Free Surface	4.166	0.378	0.303	0.252	0.332	1.699	1.659	No	0.252	4.166			
02174	2178	2177	8	309.34	0.005	0.006	0.006	Free Surface	0.725	0.058	0.007	0.039	0.034	0.79	0.893	Yes	0.137	0.115			
02175	2177	2176	8	222.26	0.026	0.515	0.515	Free Surface	4.691	0.352	0.266	0.235	0.336	1.992	1.937	No	0.235	4.691			
02176	2176	2174	8	118.51	0.055	0.521	0.521	Free Surface	6.18	0.291	0.184	0.194	0.338	2.919	2.829	No	0.194	6.18			
02177	2175	2174	8	398.7	0.006	0.006	0.006	Free Surface	0.742	0.057	0.006	0.038	0.034	0.814	0.922	Yes	0.114	0.149			
02178	2173	2172	8	279.9	0.005	0.006	0.006	Free Surface	0.694	0.06	0.007	0.04	0.034	0.745	0.838	Yes	0.116	0.145			
02179	2174	2172	8	266.71	0.061	0.533	0.533	Free Surface	6.474	0.286	0.178	0.19	0.342	3.087	2.992	Yes	0.191	6.429			
02180	2172	2171	8	155.13	0.061	0.544	0.544	Free Surface	6.527	0.288	0.181	0.192	0.346	3.096	3	Yes	0.194	6.454			
02181	2171	2169	8	161.87	0.059	0.55	0.55	Free Surface	6.451	0.293	0.187	0.195	0.348	3.032	2.938	No	0.195	6.451			
02182	2170	2169	8	246.58	0.029	0.006	0.006	Free Surface	1.301	0.039	0.003	0.026	0.034	1.729	2.07	Yes	0.109	0.159			
02183	2169	2168	8	106.43	0.065	0.562	0.562	Free Surface	6.735	0.289	0.182	0.192	0.352	3.193	3.094	Yes	0.196	6.567			
02184	2168	2167	8	140.55	0.058	0.568	0.568	Free Surface	6.474	0.299	0.195	0.199	0.354	3.009	2.916	Yes	0.201	6.398			
02185	2167	2164	8	120.05	0.055	0.574	0.574	Free Surface	6.39	0.304	0.201	0.203	0.356	2.943	2.852	Yes	0.205	6.307			
02186	2165	2164	8	284.69	0.028	0.006	0.006	Free Surface	1.289	0.039	0.003	0.026	0.034	1.707	2.042	Yes	0.12	0.145			
02187	2164	2163	8	123.16	0.054	0.586	0.586	Free Surface	6.355	0.31	0.209	0.207	0.36	2.896	2.807	Yes	0.216	5.999			
02188	2163	2162	8	125.88	0.04	0.592	0.592	Free Surface	5.735	0.337	0.244	0.224	0.362	2.497	2.424	Yes	0.228	5.608			
02189	2160	2159	8	165.73	0.056	0.61	0.61	Free Surface	6.532	0.313	0.212	0.209	0.367	2.963	2.872	Yes	0.269	4.619			
02190	2159	2154	8	116.58	0.011	0.615	0.615	Free Surface	3.577	0.494	0.491	0.33	0.369	1.241	1.255	No	0.33	3.577			
02191	2153	2154	8	86.5	0.009	0.006	0.006	Free Surface	0.865	0.052	0.005	0.034	0.034	1	1.151	Yes	0.18	0.078			
02192	2154	2155	8	57.99	0.012	0.627	0.627	Free Surface	3.717	0.487	0.478	0.325	0.373	1.301	1.312	No	0.325	3.717			
02193	2194	2205	8	305.48	0.055	0.006	0.006	Free Surface	1.618	0.034	0.002	0.023	0.034	2.316	2.835	Yes	0.031	1.029			
02194	2205	2206	8	391.22	0.022	0.012	0.012	Free Surface	1.457	0.058	0.007	0.039	0.049	1.589	1.797	Yes	0.05	1			
02195	2206	2207	8	321.23	0.007	0.018	0.018	Free Surface	1.112	0.092	0.017	0.061	0.06	0.962	1.023	Yes	0.067	0.975			
02196	2207	2208	8	271.04	0.006	0.024	0.024	Free Surface	1.153	0.109	0.025	0.073	0.069	0.913	0.951	Yes	0.075	1.096			
02197	2208	2209	8	223.3	0.007	0.03	0.03	Free Surface	1.305	0.116	0.029	0.078	0.078	0.998	1.032	No	0.078	1.305			
02198	2209	2,210.00	8	273.28	0.027	0.036	0.036	Free Surface	2.186	0.093	0.018	0.062	0.085	1.878	1.995	Yes	0.068	1.896			
02199	2211	2212	8	212.98	0.043	0.006	0.006	Free Surface	1.489	0.036	0.002	0.024	0.034	2.072	2.515	Yes	0.028	1.171			
02200	2212	2210	8	104.63	0.048	0.012	0.012	Free Surface	1.905	0.048	0.004	0.032	0.049	2.277	2.643	Yes	0.053	0.906			
02201	2210	2214	8	309.41	0.028	0.053	0.053	Free Surface	2.499	0.112	0.026	0.074	0.104	1.954	2.029	Yes	0.077	2.373			
02202	2213	2214	8	221.35	0.043	0.006	0.006	Free Surface	1.488	0.036	0.002	0.024	0.034	2.07	2.513	Yes	0.052	0.472			
02203	2214	2216	8	269.90	0.031	0.065	0.065	Free Surface	2.758	0.12	0.03	0.08	0.116	2.08	2.144	Yes	0.082	2.654			
02204	2215	2216	8	290.47	0.015	0.006	0.006	Free Surface	1.042	0.046	0.004	0.03	0.034	1.285	1.505	Yes	0.057	0.408			
02205	2216	2218	8	302.64	0.035	0.077	0.077	Free Surface	3.021	0.126	0.034	0.084	0.126	2.218	2.273	No	0.084	3.021			
02206	2217	2218	8	341.66	0.013	0.006	0.006	Free Surface	0.992	0.047	0.004	0.031	0.034	1.202	1.401	Yes	0.056	0.425			
02207	2218	2219	8	146.2	0.058	0.089	0.089	Free Surface	3.753	0.12	0.03	0.08	0.136	2.829	2.915	Yes	0.08	3.718			
02208	2219	2220	8	195.75	0.062	0.095	0.095	Free Surface	3.928	0.121	0.031	0.081	0.14	2.941	3.026	Yes	0.084	3.713			
02209	2166	2220	8	377.27	0.013	0.006	0.006	Free Surface	0.971	0.048	0.004	0.032	0.034	1.168	1.358	Yes	0.06	0.385			
02210	2220	2221	8	120.8	0.058	0.107	0.107	Free Surface	3.956	0.131	0.037	0.087	0.149	2.848	2.906	Yes	0.091	3.741			
02211	2221	2222	8	310.45	0.047	0.113	0.113	Free Surface	3.742	0.141	0.043	0.094	0.153	2.591	2.624	Yes	0.097	3.565			
02212	2222	2158	8	148.64	0.04	0.118	0.118	Free Surface	3.58	0.151	0.049	0.101	0.157	2.395	2.41	Yes	0.111	3.101			
02213	2158	2157	8	206.04	0.02	0.124	0.124	Free Surface	2.859	0.182	0.073	0.122	0.161	1.733	1.715	No	0.122	2.859			
02214	2157	2156	8	222.68	0.033	0.13	0.13	Free Surface	3.464	0.165	0.059	0.11	0.165	2.213	2.209	Yes	0.12	3.036			
02215	2156	2155	8	169.54	0.018	0.136	0.136	Free Surface	2.814	0.196	0.084	0.131	0.169	1.64	1.614	Yes	0.219	1.366			
02216	2155	2143	8	350.44	0.021	0.769	0.769	Free Surface	4.906	0.46	0.433	0.307	0.415	1.779	1.776	Yes	0.38	3.714			
02217	2162	2161	8	158.37	0.036	0.598	0.598	Free Surface	5.541	0.348	0.26	0.232	0.363	2.369	2.303	No	0.232	5.541			
02218	2161	2160	8	148.47	0.056	0.604	0.604	Free Surface	6.497	0.312	0.211	0.208	0.365	2.952	2.861	Yes	0.208	6.483			
02219	2224	2223	8	278.16	0.016	0.865	0.865	Free Surface	4.564	0.534	0.557	0.356	0.441	1.507	1.551	Yes	0.405	3.899			
02220	2223	2,239.00	8	292.76	0.01	0.956	0.956	Free Surface	3.777	0.681	0.806	0.454	0.464	1.043	1.185	No	0.45	3.777	6.19	8	2
02221	2239	2240	8	398.82	0.016	0.962	0.962	Free Surface	4.689	0.569	0.618	0.379	0.465	1.483	1.555	No	0.379	4.689			
02222	2240	2241	8	199.65	0.062	1.222	1.222	Free Surface	8.173	0.444	0.406	0.296	0.523	3.031	3.009	No	0.296	8.173			
02223	2241	2242	8	202.34	0.109	1.229	1.229	Free Surface	10.091	0.38	0.307	0.253	0.525	4.1	4.005	Yes	0.259	9.782			
02224	2242	2243	8	209.37	0.093	1.235	1.235	Free Surface	9.536	0.398	0.334	0.265	0.526	3.773	3.699	Yes	0.272	9.244			
02225	2251	2,250.00	8	192.06	0.006	0.006	0.006	Free Surface	0.771	0.057	0.006	0.038	0.035	0.851	0.966	Yes	0.046	0.576			
02226	2250	2249	8	223.31	0.005	0.012	0.012	Free Surface	0.903	0.081	0.014	0.054	0.049	0.829	0.896	Yes	0.076	0.546			
02227	2249	2248	8	350.37	0.006	0.042	0.042	Free Surface	1.32	0.148	0.047	0.099	0.093	0.892	0.899	Yes	0.102	1.26			
02228	2248	2247	8	146.29	0.006	0.049	0.049	Free Surface	1.376	0.158	0.054	0.105	0.1	0.9	0.902	Yes	0.11	1.37			
02229	2247	2246	8	100.87	0.007	0.055	0.055	Free Surface	1.535	0.159	0.054	0.106	0.106	1.001	1.002	Yes	0.11	1.456			
02230	2246	2245	8	161.84	0.006	0.061	0.061	Free Surface	1.538	0.17	0.063	0.114	0.112	0.967	0.962	Yes	0.17	0.864			
02231	2245	2244	8	82.44	0.007	0.249	0.249	Free Surface	2.375	0.34	0.249	0.227	0.23	1.028	0.999	Yes	0.23	2.36			
02232	2244	2240	8	106.23	0.007	0.255	0.255	Free Surface	2.402	0.343	0.254	0.229	0.233	1.034	1.004	Yes	0.262	1.997			
02233	2255	2254	8	104.59	0.076	0.006	0.006	Free Surface	1.824	0.032	0.002	0.021	0.035	2.695	3.332	Yes	0.024	1.504			
02234	2254	2253	8	111.32	0.106	0.012	0.012	Free Surface	2.536	0.041	0.003	0.027	0.049	3.314	3.948	Yes	0.031	2.106			
02235	2253	2252	8	288.24	0.087	0.018	0.018	Free Surface	2.678	0.051	0.005	0.034	0.061	3.106	3.575	Yes	0.04	2.115			
02236	2252	2249	8	160.45	0.044	0.024	0.024	Free Surface	2.302	0.069	0.01	0.046	0.07	2.297	2.536	Yes	0.072	1.185			
02237	2238	2237	8	251.52	0.005	0.006	0.006	Free Surface	0.725	0.059	0.007	0.039	0.035	0.784	0.884	No	0.039	0.725			
02238	2237	2228	8	249.87	0.026	0.012	0.012	Free Surface	1.558	0.056	0.006	0.038	0.049	1.724	1.959	No	0.04	1.558			
02239	2228	2227	8	199.79	0.089	0.018	0.018	Free Surface	2.702	0.051	0.005	0.034	0.061	3.143	3.62	Yes	0.036	2.459			
02240	2227	2226	8	92.61	0.094	0.024	0.024	Free Surface	3.002	0.058	0.007	0.039	0.07	3.281	3.714	Yes	0.041	2.771			
02241	2226	2225	8	142.97	0.094	0.03	0.03	Free Surface	3.21	0.064	0.008	0.043	0.078	3.326	3.709	Yes	0.065	1.719			
02242	2225	2223	8	211.11	0.035	0.085	0.085	Free Surface	3.12	0.132	0.037	0.088	0.132	2.238	2.282	Yes	0.271	0.638			
02243	2236	2235	8	365.25	0.065	0.006	0.006	Free Surface	1.729	0.033	0.002	0.022	0.035	2.509	3.086	Yes	0.028	1.23			
02244	2235	2234	8	58.92	0.044	0.012	0.012	Free Surface	1.866	0.05	0.005	0.033	0.049	2.198	2.54	Yes	0.039	1.483			
02245	2234	2233	8	60.36	0.029	0.018	0.018	Free Surface	1.823	0.067	0.009	0.044	0.061	1.854	2.057	Yes	0.056	1.284			
02246	2233	2232	8	174.46	0.008	0.024	0.024	Free Surface	1.292	0.102	0.022	0.068	0.07	1.056	1.108	Yes	0.075	1.123			
02247	2232	2229	8	51.05	0.006	0.03	0.03	Free Surface	1.235	0.123	0.032	0.082	0.078	0.919	0.944	No	0.082	1.235			
02248	2229	2225	8	101	0.048	0.049	0.049	Free Surface	2.923	0.094	0.018	0.063	0.1	2.494	2.644	Yes	0.075	2.234			
02249	2231	2230	8	139.58	0.073	0.006	0.006	Free Surface	1.798	0.032	0.002	0.021	0.035	2.644	3.264	Yes	0.024	1.494			
02250	2230	2229	8	86.45	0.106	0.012	0.012	Free Surface	2.534	0.041	0.003	0.027	0.049	3.31	3.944	Yes	0.045	1.196			
02251	2263	2262	8	180.33	0.04	0.006	0.006	Free Surface	1.457	0.037	0.003	0.025	0.035	1.995	2.411	Yes	0.03	1.104			
02252	2262	2,261.00	8	69.54	0.036	0.012	0.012	Free Surface	1.748	0.052	0.005	0.035	0.049	2.012	2.311	Yes	0.039	1.499			
02253	2261	2260	8	71.28	0.035	0.018	0.018	Free Surface	1.958	0.063	0.008	0.042	0.061	2.04	2.278	Yes	0.05	1.535			
02254	2260	2259	8	114.85	0.039	0.036	0.036	Free Surface	2.492	0.086	0.015	0.057	0.086	2.222	2.382	Yes	0.06	2.331			
02255	2259	2258	8	67.3	0.036	0.042	0.042	Free Surface	2.552	0.094	0.018	0.063	0.093	2.176	2.307	No	0.063	2.552			
02256	2258	2257	8	117.29	0.05	0.049	0.049	Free Surface	2.983	0.093	0.018	0.062	0.1	2.563	2.722	Yes	0.064	2.812			
02257	2257	2256	8	76.92	0.046	0.055	0.055	Free Surface	2.99	0.1	0.021	0.067	0.106	2.468	2.596	Yes	0.098	1.718			
02258	2256	2245	8	104.93	0.034	0.182	0.182	Free Surface	3.855	0.193	0.081	0.129	0.196	2.268	2.235	Yes	0.178	2.437			
02259	2265	2264	8	141.73	0.007	0.006	0.006	Free Surface	0.803	0.055	0.006	0.037	0.035	0.898	1.023	Yes	0.039	0.743			
02260	2264	2260	8	71.51	0.018	0.012	0.012	Free Surface	1.38	0.061	0.007	0.041	0.049	1.466	1.646	Yes	0.049	1.047			
02261	2272	2271	8	184.07	0.043	0.006	0.006	Free Surface	1.498	0.036	0.002	0.024	0.035	2.071	2.51	Yes	0.036	0.835			
02262	2271	2270	8	36.25	0.01	0.012	0.012	Free Surface	1.101	0.071	0.01	0.047	0.049	1.083	1.191	Yes	0.072	0.592			
02263	2270	2268	8	57.7	0.03	0.097	0.097	Free Surface	3.073	0.146	0.046	0.097	0.142	2.091	2.11	Yes	0.098	3.031			
02264	2268	2266	8	149.65	0.035	0.109	0.109	Free Surface	3.363	0.149	0.048	0.099	0.151	2.266	2.282	Yes	0.101	3.284			
02265	2266	2256	8	76.52	0.038	0.121	0.121	Free Surface	3.564	0.154	0.051	0.103	0.159	2.361	2.371	Yes	0.116	2.997			

02266	2267	2266	8	125.74	0.012	0.006	0.006	Free Surface	0.951	0.049	0.005	0.033	0.035	1.127	1.306	Yes	0.068	0.327			
02267	2269	2268	8	120.61	0.009	0.006	0.006	Free Surface	0.872	0.052	0.005	0.035	0.035	1.003	1.152	Yes	0.067	0.331			
02268	2279	2278	8	113.89	0.026	0.006	0.006	Free Surface	1.257	0.041	0.003	0.027	0.035	1.638	1.95	Yes	0.032	0.984			
02269	2278	2277	8	190.54	0.028	0.012	0.012	Free Surface	1.595	0.055	0.006	0.037	0.049	1.78	2.026	Yes	0.052	0.973			
02270	2277	2275	8	123.37	0.048	0.055	0.055	Free Surface	3.031	0.099	0.021	0.066	0.106	2.514	2.647	Yes	0.084	2.158			
02271	2275	2273	8	143.97	0.012	0.067	0.067	Free Surface	2.006	0.151	0.05	0.101	0.117	1.34	1.347	Yes	0.102	1.978			
02272	2273	2270	8	92.18	0.016	0.079	0.079	Free Surface	2.305	0.154	0.052	0.103	0.128	1.524	1.53	No	0.103	2.305			
02273	2274	2273	8	123.15	0.007	0.006	0.006	Free Surface	0.807	0.055	0.006	0.037	0.035	0.904	1.03	Yes	0.07	0.312			
02274	2276	2275	8	116.94	0.007	0.006	0.006	Free Surface	0.788	0.056	0.006	0.037	0.035	0.876	0.996	Yes	0.069	0.317			
02275	2280	2277	8	152.72	0.055	0.036	0.036	Free Surface	2.823	0.079	0.013	0.053	0.086	2.629	2.85	Yes	0.06	2.366			
02276	2285	2280	8	127.68	0.027	0.018	0.018	Free Surface	1.779	0.068	0.009	0.045	0.061	1.794	1.986	Yes	0.049	1.577			
02277	2284	2285	8	55.93	0.023	0.012	0.012	Free Surface	1.491	0.058	0.007	0.039	0.049	1.627	1.84	Yes	0.042	1.324			
02278	2283	2284	8	46.39	0.01	0.006	0.006	Free Surface	0.907	0.051	0.005	0.034	0.035	1.058	1.22	Yes	0.036	0.82			
02279	2282	2281	8	77.88	0.023	0.006	0.006	Free Surface	1.199	0.042	0.003	0.028	0.035	1.537	1.821	Yes	0.03	0.973			
02280	2281	2280	8	108.3	0.029	0.012	0.012	Free Surface	1.622	0.055	0.006	0.037	0.049	1.821	2.076	Yes	0.045	1.205			
02281	2286	2287	8	275.33	0.015	0.004	0.004	Free Surface	0.883	0.037	0.002	0.024	0.027	1.213	1.468	Yes	0.03	0.681			
02282	2287	2288	8	244.54	0.015	0.007	0.007	Free Surface	1.094	0.051	0.005	0.034	0.038	1.278	1.474	Yes	0.034	1.09			
02283	2288	2292	8	229.31	0.033	0.011	0.011	Free Surface	1.63	0.051	0.005	0.034	0.047	1.9	2.19	Yes	0.667	0.031			
02284	2289	2290	8	255.31	0.024	0.004	0.004	Free Surface	1.042	0.033	0.002	0.022	0.027	1.515	1.864	Yes	0.667	0.01			
02285	2290	2068	8	131.68	0.004	0.007	0.007	Pressurized	0.676	0.07	0.01	0.047	0.038	0.671	0.739	Yes	0.67	0.021			
02286	2291	2292	8	149.22	0.029	0.004	0.004	Free Surface	1.124	0.031	0.002	0.021	0.027	1.676	2.078	Yes	0.667	0.01			
02287	2292	2293	8	114.4	0.006	0.018	0.018	Pressurized	1.051	0.097	0.019	0.064	0.061	0.884	0.934	Yes	0.667	0.052			
02288	2293	2071	8	35.13	0.005	0.022	0.022	Pressurized	1.033	0.111	0.026	0.074	0.066	0.811	0.843	Yes	0.667	0.063			
02289	2329	2328	8	120.45	0.058	0.046	0.046	Free Surface	3.082	0.087	0.016	0.058	0.097	2.734	2.927	Yes	0.069	2.396			
02290	2328	2327	8	143.38	0.019	0.051	0.051	Free Surface	2.176	0.12	0.03	0.08	0.103	1.64	1.69	Yes	0.09	1.824			
02291	2327	2326	8	104.57	0.041	0.12	0.12	Free Surface	3.637	0.151	0.049	0.1	0.158	2.436	2.451	Yes	0.105	3.402			
02292	2326	2325	8	91	0.031	0.126	0.126	Free Surface	3.344	0.165	0.059	0.11	0.162	2.137	2.133	Yes	0.11	3.343			
02293	2325	2,319.00	8	102.70	0.034	0.132	0.132	Free Surface	3.494	0.165	0.059	0.11	0.166	2.232	2.227	Yes	0.123	2.968			
02294	2319	2318	8	28.16	0.022	0.166	0.166	Free Surface	3.235	0.204	0.091	0.136	0.187	1.846	1.812	Yes	0.157	2.638			
02295	2324	2323	8	135.83	0.02	0.006	0.006	Free Surface	1.119	0.042	0.003	0.028	0.034	1.43	1.692	Yes	0.033	0.884			
02296	2323	2,322.00	8	179.70	0.022	0.011	0.011	Free Surface	1.443	0.057	0.006	0.038	0.048	1.588	1.801	Yes	0.041	1.29			
02297	2322	2321	8	96.4	0.027	0.017	0.017	Free Surface	1.745	0.066	0.009	0.044	0.059	1.784	1.982	Yes	0.045	1.692			
02298	2321	2320	8	57.82	0.04	0.023	0.023	Free Surface	2.189	0.069	0.009	0.046	0.068	2.192	2.422	Yes	0.061	1.424			
02299	2320	2319	8	128.81	0.007	0.029	0.029	Free Surface	1.279	0.115	0.028	0.077	0.076	0.984	1.018	Yes	0.107	0.795			
02300	2318	2317	8	104.88	0.008	0.172	0.172	Free Surface	2.288	0.267	0.156	0.178	0.19	1.131	1.097	Yes	0.186	2.155			
02301	2317	2316	8	128.49	0.006	0.177	0.177	Free Surface	2.102	0.291	0.184	0.194	0.193	0.993	0.962	No	0.194	2.102			
02302	2316	2315	8	118.67	0.008	0.183	0.183	Free Surface	2.328	0.276	0.167	0.184	0.196	1.13	1.095	Yes	0.204	2.022			
02303	2315	2314	8	147.71	0.011	0.303	0.303	Free Surface	2.95	0.335	0.243	0.224	0.255	1.287	1.249	No	0.224	2.95			
02304	2314	2313	8	115.7	0.017	0.309	0.309	Free Surface	3.474	0.302	0.198	0.201	0.257	1.607	1.557	Yes	0.201	3.471			
02305	2313	2312	8	77.95	0.017	0.314	0.314	Free Surface	3.533	0.302	0.199	0.202	0.26	1.633	1.583	Yes	0.233	2.899			
02306	2312	2311	8	247.29	0.006	0.32	0.32	Free Surface	2.49	0.396	0.331	0.264	0.262	0.988	0.968	Yes	0.267	2.45			
02307	2311	2310	8	247.36	0.006	0.326	0.326	Free Surface	2.455	0.405	0.345	0.27	0.265	0.961	0.943	Yes	0.273	2.425			
02308	2310	2309	8	367.21	0.006	0.332	0.332	Free Surface	2.439	0.413	0.357	0.275	0.267	0.944	0.929	No	0.275	2.439			
02309	2309	2308	8	425.38	0.024	0.337	0.337	Free Surface	4.062	0.288	0.18	0.192	0.27	1.929	1.87	No	0.192	4.062			
02310	2308	2307	8	392.42	0.033	0.343	0.343	Free Surface	4.594	0.267	0.155	0.178	0.272	2.275	2.207	No	0.178	4.594			
02311	2307	2305	8	370.67	0.041	0.349	0.349	Free Surface	4.973	0.255	0.142	0.17	0.274	2.523	2.45	No	0.17	4.973			
02312	2306	2305	8	78.79	0.014	0.006	0.006	Free Surface	0.996	0.046	0.004	0.031	0.034	1.223	1.432	Yes	0.093	0.193			
02313	2305	2304	8	214.23	0.062	0.36	0.36	Free Surface	5.804	0.234	0.12	0.156	0.279	3.084	3.005	Yes	0.157	5.743			
02314	2304	2303	8	342.32	0.06	0.366	0.366	Free Surface	5.774	0.237	0.123	0.158	0.281	3.044	2.965	Yes	0.173	5.08			
02315	2303	2302	8	301.31	0.031	0.372	0.372	Free Surface	4.591	0.282	0.174	0.188	0.283	2.203	2.135	Yes	0.24	3.278			
02316	2302	2301	8	243.77	0.006	0.377	0.377	Free Surface	2.56	0.439	0.398	0.293	0.286	0.956	0.947	No	0.293	2.56			
02317	2301	2299	8	243.46	0.028	0.383	0.383	Free Surface	4.477	0.294	0.188	0.196	0.288	2.102	2.037	Yes	0.25	3.2			
02318	2300	2299	8	89.52	0.016	0.006	0.006	Free Surface	1.054	0.044	0.004	0.029	0.034	1.319	1.553	Yes	0.167	0.084			
02319	2299	2298	8	165.79	0.006	0.395	0.395	Free Surface	2.539	0.457	0.428	0.305	0.292	0.925	0.922	No	0.305	2.539			
02320	2298	2297	8	151.39	0.007	0.4	0.4	Free Surface	2.695	0.441	0.402	0.294	0.295	1.003	0.995	No	0.29	2.695			
02321	2297	2296	8	158.18	0.008	0.406	0.406	Free Surface	2.902	0.422	0.371	0.281	0.297	1.109	1.094	Yes	0.30	2.661			
02322	2296	2295	8	351.7	0.005	0.412	0.412	Free Surface	2.491	0.479	0.465	0.319	0.299	0.882	0.886	No	0.319	2.491			
02323	2295	2,294.00	8	315.83	0.016	0.417	0.417	Free Surface	3.739	0.356	0.272	0.238	0.301	1.576	1.534	Yes	0.67	1.196			
02324	2294	87	8	84.6	0.008	0.423	0.423	Free Surface	2.886	0.437	0.395	0.291	0.303	1.08	1.07	Yes	0.31	2.662			
02325	2334	2333	8	95.72	0.015	0.029	0.029	Free Surface	1.666	0.096	0.019	0.064	0.076	1.405	1.486	Yes	0.07	1.476			
02326	2333	2332	8	103.26	0.011	0.034	0.034	Free Surface	1.585	0.113	0.027	0.075	0.084	1.232	1.279	No	0.075	1.585			
02327	2332	2331	8	97.94	0.017	0.04	0.04	Free Surface	1.91	0.11	0.026	0.073	0.09	1.503	1.563	Yes	0.08	1.609			
02328	2331	2330	8	116.74	0.013	0.057	0.057	Free Surface	1.973	0.138	0.041	0.092	0.108	1.384	1.405	No	0.092	1.973			
02329	2330	2,327.00	8	157.61	0.098	0.063	0.063	Free Surface	4.072	0.09	0.017	0.06	0.114	3.562	3.801	Yes	0.08	2.649			
02330	2342	2343	8	160.53	0.049	0.069	0.069	Free Surface	3.273	0.11	0.026	0.074	0.119	2.574	2.678	Yes	0.078	2.974			
02331	2343	2336	8	131.37	0.034	0.074	0.074	Free Surface	2.945	0.125	0.033	0.083	0.124	2.17	2.225	Yes	0.106	2.068			
02332	2336	2335	8	131.76	0.012	0.109	0.109	Free Surface	2.282	0.194	0.082	0.129	0.15	1.338	1.318	No	0.129	2.282			
02333	2335	2315	8	86.2	0.176	0.114	0.114	Free Surface	5.97	0.104	0.023	0.069	0.154	4.847	5.078	Yes	0.15	2.014			
02334	2341	2340	8	143.14	0.018	0.006	0.006	Free Surface	1.091	0.043	0.004	0.029	0.034	1.383	1.633	Yes	0.03	1.025			
02335	2340	2339	8	94.24	0.051	0.011	0.011	Free Surface	1.932	0.047	0.004	0.031	0.048	2.349	2.74	Yes	0.036	1.551			
02336	2339	2338	8	84.55	0.035	0.017	0.017	Free Surface	1.923	0.062	0.008	0.041	0.059	2.032	2.278	Yes	0.052	1.363			
02337	2338	2337	8	94.68	0.011	0.023	0.023	Free Surface	1.377	0.094	0.018	0.063	0.068	1.174	1.245	Yes	0.07	1.175			
02338	2337	2336	8	129.08	0.007	0.029	0.029	Free Surface	1.273	0.116	0.028	0.077	0.076	0.978	1.012	Yes	0.103	0.832			
02339	2344	2342	8	149.01	0.021	0.063	0.063	Free Surface	2.389	0.129	0.035	0.086	0.114	1.734	1.773	No	0.086	2.389			
02340	1239	2350	12	160.99	0.007	1.271	1.271	Free Surface	3.655	0.455	0.425	0.455	0.476	1.09	2.993	Yes	0.456	3.644			
02341	2350	2349	12	224.3	0.007	1.281	1.281	Free Surface	3.659	0.457	0.429	0.457	0.478	1.088	2.989	Yes	1	1.631			
02342	2349	2348	12	65.33	0.005	1.285	1.285	Pressurized	3.148	0.516	0.527	0.516	0.479	0.868	2.441	Yes	1	1.637			
02343	2348	2347	12	285.11	0.003	1.295	1.295	Pressurized	2.697	0.588	0.651	0.588	0.481	0.681	1.989	Yes	1	1.648			
02344	2347	2346	12	100.32	0.003	1.304	1.304	Pressurized	2.701	0.591	0.656	0.591	0.482	0.679	1.989	Yes	1	1.66			
02345	2346	2345	12	192.24	0.003	1.309	1.309	Pressurized	2.819	0.572	0.623	0.572	0.483	0.725	2.099	Yes	1	1.666			
02346	2345	1222	12	288.19	0.003	1.318	1.318	Pressurized	2.637	0.608	0.685	0.608	0.485	0.65	1.923	Yes	1	1.678			
02347	2351	2353	8	5	0.192	0.02	0.02	Free Surface	3.633	0.045	0.004	0.03	0.064	4.52	5.309	Yes	0.57	0.063			
02348	2354	2345	8	367.41	0.005	0.005	0.005	Pressurized	0.659	0.053	0.005	0.035	0.031	0.754	0.864	Yes	0.667	0.013			
02349	2361	2347	8	369.74	0.006	0.005	0.005	Free Surface	0.714	0.05	0.005	0.033	0.031	0.839	0.97	Yes	0.667	0.013			
02350	2360	2348	8	367.3	0.008	0.005	0.005	Free Surface	0.776	0.047	0.004	0.032	0.031	0.938	1.093	Yes	0.667	0.013			
02351	2359	2350	8	377.93	0.005	0.005	0.005	Free Surface	0.663	0.053	0.005	0.035	0.031	0.761	0.873	Yes	0.246	0.04			
02352	2358	2357	8	204.43	0.005	0.005	0.005	Free Surface	0.654	0.053	0.005	0.035	0.031	0.746	0.855	Yes	0.041	0.517			
02353	2357	2356	8	356.01	0.004	0.009	0.009	Free Surface	0.772	0.076	0.012	0.051	0.043	0.736	0.802	Yes	0.055	0.676			
02354	2356	2355	8	354.66	0.005	0.014	0.014	Free Surface	0.897	0.09	0.017	0.06	0.053	0.782	0.834	Yes	0.063	0.839			
02355	2355	2353	8	283.88	0.006	0.019	0.019	Free Surface	1.051	0.098	0.02	0.066	0.061	0.876	0.924	Yes	0.558	0.06			
02356	2365	2366	8	308.02	0.005	0.002	0.002	Free Surface	0.522	0.036	0.002	0.024	0.02	0.729	0.887	Yes	0.032	0.329			
02357	2366	2368	8	256.43	0.005	0.006	0.006	Free Surface	0.696	0.061	0.007	0.041	0.035	0.738	0.829	Yes	0.044	0.619			
02358	2368	2369	8	262.24	0.004	0.008	0.008	Free Surface	0.741	0.071	0.01	0.048	0.041	0.727	0.799	Yes	0.054	0.615			
02359	2369	2370	8	156.54	0.005	0.014	0.014	Free Surface	0.912	0.091	0.017	0.06	0.054	0.793	0.844	Yes	0.082	0.583			
02360	2370	1549	8	190.38	0.001	0.016	0.016	Free Surface	0.475	0.155	0.052	0.103	0.058	0.313	0.314	No	0.103	0.475			
02361	2372	2371	8	391.39	0.004	0.002	0.002	Free Surface	0.461	0.039	0.003	0.026	0.02	0.618	0.743	Yes	0.03	0.376			
02362	2371	2369	8	159.01	0.005	0.004	0.004	Free Surface	0.628	0.05	0.005	0.033	0.029	0.739	0.854	Yes	0.047	0.379			
02363	2362	2363	8	151.27	0.006	0.002	0.002	Free Surface	0.556	0.034	0.002	0.023	0.02	0.793	0.97	Yes	0.029	0.396			
02364	2363	1656	8	288.39	0.004	0.004	0.004	Free Surface	0.601	0.052	0.005	0.034	0.029	0.696	0.801	Yes	0.046	0.384			
02365	2364	1,656.00	8	147.77	0	0.002	0.002	Free Surface	0.225	0.063	0.008	0.042	0.02	0.236	0.264	Yes	0.05	0.171			
02366	2367	2366	8	148.84	0.004	0.002	0.002	Free Surface	0.453	0.039	0.003	0.026	0.02	0.603	0.723	Yes	0.033	0.312			
02367	2375	2374	8	288.32	0.005	0.006	0.006	Free Surface	0.698	0.057	0.006	0.038	0.033	0.768	0.871	Yes	0.044	0.564			
02368	2374	2373	8	293.85	0.007	0.011	0.011	Free Surface	0.937	0.075	0.011	0.05	0.047	0.899	0.982	Yes	0.057	0.762			
02369	2383	2373	8	102.05	0.028	0.022	0.022	Free Surface	1.914	0.074	0.011	0.049	0.067	1.85	2.025	Yes	0.057	1.538			
02370	2381	2380	8	232.61	0.005	0.006	0.006	Free Surface	0.666	0.059	0.007	0.039	0.033	0.721	0.814	Yes	0.043	0.579			
02371	2380	2379	8	249.03	0.008	0.011	0.011	Free Surface	1.019	0.071	0.01	0.047	0.047	1.006	1.107	Yes	0.056	0.794			
02372	2379	2378	8	168.36	0.005	0.017	0.017	Free Surface	0.962	0.097	0.019	0.064	0.058	0.81	0.856	Yes	0.068	0.88			
02373	2378	2377	8	250.02	0.005	0.022	0.022	Free Surface	1.079	0.109	0.025	0.073	0.067	0.855	0.89	Yes	0.08	0.994			
02374	2377	2376	8	252.23	0.005	0.028	0.028	Free Surface	1.15	0.121	0.031	0.081	0.075	0.861	0.886	No	0.081	1.15			
02375	2376	2382	8	398.05	0.02	0.033	0.033	Free Surface	1.91	0.097	0.02	0.065	0.082	1.603	1.692	Yes	0.119	0.788			
02376	2384	2385	8	212.28	0.004	0.006	0.006	Free Surface	0.657	0.059	0.007	0.04	0.033	0.708	0.798	Yes	0.052	0.441			
02377	2385	1620	8	253.02	0.002	0.011	0.011	Free Surface	0.646	0.096	0.019	0.064	0.047	0.545	0.576	No	0.064	0.646			
02378	2386	2387	8	276.93	0.007	0.007	0.007	Free Surface	0.803	0.058	0.007	0.039	0.036	0.876	0.99	Yes	0.076	0.296			
02379	2387	1999	8	74.66	0.01	0.078	0.078	Free Surface	1.984	0.171	0.063	0.114	0.127	1.245	1.238	Yes	0.329	0.457			
02380	2388	2387	8	269.46	0.006	0.065	0.065	Free Surface	1.523	0.181	0.071	0.12	0.116	0.928	0.919	No	0.12	1.523			
02381	2389	2388	8	274.84	0.006	0.039	0.039	Free Surface	1.329	0.139	0.042	0.093	0.089	0.926	0.939	Yes	0.107	1.088			
02382	2390	2389	8	300.43	0.005	0.033	0.033	Free Surface	1.185	0.133	0.038	0.089	0.082	0.846	0.862	Yes	0.091	1.145			
02383	2391	2390	8	298.99	0.005	0.026	0.026	Free Surface	1.089	0.121	0.031	0.081	0.073	0.817	0.841	Yes	0.085	1.014			
02384	2392	2391	8	302.29	0.005	0.02	0.02	Free Surface	1.028	0.103	0.022	0.069	0.063	0.836	0.876	Yes	0.075	0.912			
02385	2393	2394	8	158.55	0.008	0.007	0.007	Free Surface	0.867	0.055	0.006	0.037	0.036	0.97	1.106	Yes	0.047	0.605			
02386	2394	2395	8	395.42	0.005	0.013	0.013	Free Surface	0.907	0.085	0.015	0.057	0.051	0.813	0.872	Yes	0.062	0.793			
02387	2395	2388	8	390.16	0.006	0.02	0.02	Free Surface	1.051	0.102	0.022	0.068	0.063	0.861	0.904	Yes	0.094	0.652			
02388	2396	2397	8	401.59	0.007	0.007	0.007	Free Surface	0.824	0.057	0.006	0.038	0.036	0.906	1.028	Yes	0.046	0.629			
02389	2397	2398	8	399.3	0.007	0.013	0.013	Free Surface	1.002	0.08	0.013	0.053	0.051	0.929	1.005	Yes	0.059	0.86			
02390	2398	1997	8	403.66	0.007	0.02	0.02	Free Surface	1.125	0.097	0.02	0.065	0.063	0.944	0.996	Yes	0.301	0.128			
02391	2400	2399	8	297.33	0.006	0.007	0.007	Free Surface	0.792	0.059	0.007	0.039	0.036	0.86	0.971	Yes	0.047	0.597			
02392	2399	2392	8	184.6	0.006	0.013	0.013	Free Surface	0.943	0.083	0.014	0.055	0.051	0.857	0.922	Yes	0.062	0.797			

02393	2409	2410	15	331.87	0.003	9.857	9.857	Pressurized	8.032	1	2.956	1.25	0.736	1.266	3.335	Yes	1.25	8.032	18.61	21	2
02394	2410	2411	15	323.57	0.014	9.862	9.862	Pressurized	8.036	1	1.297	1.25	1.095	1.267	7.604	Yes	1.25	8.036	13.94	15	2
02395	2411	2412	15	320.75	0.005	9.866	9.866	Pressurized	8.039	1	2.117	1.25	0.875	1.267	4.66	Yes	1.25	8.039	16.91	18	2
02396	2408	2407	8	249.86	0.006	1.42	1.42	Pressurized	4.069	1	1.503	0.667	0.461	0.878	0.945	Yes	0.667	4.069	7.90	8	2
02397	2407	2406	8	254.28	0.003	1.425	1.425	Pressurized	4.081	1	2.151	0.667	0.384	0.881	0.662	Yes	0.667	4.081	11.68	12	1
02398	2406	2403	8	320.26	0.006	1.429	1.429	Pressurized	4.093	1	1.543	0.667	0.456	0.883	0.926	Yes	0.667	4.093	7.92	8	2
02399	2405	2404	8	270.18	0.005	0.004	0.004	Pressurized	0.639	0.051	0.005	0.034	0.029	0.746	0.86	Yes	0.67	0.012			
02400	2404	2403	8	237.75	0.004	0.009	0.009	Pressurized	0.756	0.072	0.011	0.048	0.041	0.737	0.809	Yes	0.667	0.024			
02401	2403	2402	8	353	0.012	1.442	1.442	Pressurized	4.13	1	1.104	0.667	0.54	0.891	1.306	Yes	0.667	4.13	6.98	8	2
02402	2402	2401	8	350	0.006	1.446	1.446	Pressurized	4.142	1	1.599	0.667	0.451	0.894	0.904	Yes	0.667	4.142	7.96	8	2
02403	2401	2412	8	129.82	0.014	1.45	1.45	Pressurized	4.154	1	1.014	0.667	0.562	0.897	1.431	Yes	0.667	4.154	6.79	8	2
02404	2424	2423	8	347.53	0.005	9.134	9.134	Pressurized	26.167	1	10.361	0.667	0.445	5.648	0.882	Yes	0.667	26.167	16.43	18	2
02405	2423	2422	8	350.85	0.009	9.138	9.138	Pressurized	26.18	1	7.754	0.667	0.514	5.65	1.179	Yes	0.667	26.18	14.72	15	2
02406	2422	2421	8	349.41	0.01	9.143	9.143	Pressurized	26.192	1	7.695	0.667	0.516	5.653	1.188	Yes	0.667	26.192	14.44	15	2
02407	2421	2420	8	351.56	0.009	9.147	9.147	Pressurized	26.204	1	8.079	0.667	0.505	5.656	1.132	Yes	0.67	26.204	14.73	15	2
02408	2420	2419	8	350.85	0.006	9.151	9.151	Pressurized	26.216	1	9.604	0.667	0.463	5.658	0.953	Yes	0.67	26.216	15.89	18	2
02409	2419	2413	8	363.54	0.01	9.155	9.155	Pressurized	26.228	1	7.594	0.667	0.52	5.661	1.206	Yes	0.667	26.228	14.44	15	2
02410	2413	2409	8	330.81	0.008	9.853	9.853	Pressurized	28.227	1	9.069	0.667	0.495	6.092	1.086	Yes	0.667	28.227	15.48	18	2
02411	2434	2432	8	167.01	0.014	0.017	0.017	Free Surface	1.402	0.076	0.012	0.051	0.059	1.333	1.452	Yes	0.058	1.16			
02412	2433	2432	8	125.03	0.015	0.004	0.004	Free Surface	0.939	0.039	0.003	0.026	0.029	1.25	1.497	Yes	0.045	0.413			
02413	2432	2431	8	90.38	0.012	0.026	0.026	Free Surface	1.472	0.097	0.02	0.065	0.072	1.236	1.306	Yes	0.134	0.511			
02414	2431	2430	8	142.86	0.011	0.03	0.03	Free Surface	1.495	0.107	0.024	0.071	0.078	1.197	1.25	Yes	0.667	0.085			
02415	2430	2429	8	218.69	0.005	0.034	0.034	Pressurized	1.212	0.135	0.039	0.09	0.083	0.86	0.875	Yes	0.667	0.098			
02416	2435	2429	8	215.14	0.018	0.021	0.021	Free Surface	1.611	0.081	0.013	0.054	0.066	1.487	1.608	Yes	0.667	0.061			
02417	2429	2,428.00	8	149.81	0.006	0.06	0.06	Pressurized	1.481	0.173	0.065	0.115	0.111	0.924	0.918	Yes	0.67	0.171			
02418	2428	2427	8	153.44	0.005	0.064	0.064	Pressurized	1.468	0.182	0.073	0.122	0.115	0.889	0.88	Yes	0.667	0.183			
02419	2438	2437	8	94.42	0.013	0.004	0.004	Free Surface	0.879	0.041	0.003	0.027	0.029	1.143	1.36	Yes	0.667	0.012			
02420	2437	2436	8	247.19	0.01	0.009	0.009	Pressurized	0.991	0.06	0.007	0.04	0.041	1.061	1.194	Yes	0.667	0.024			
02421	2436	2427	8	174.38	0.004	0.013	0.013	Pressurized	0.828	0.09	0.017	0.06	0.051	0.725	0.773	Yes	0.667	0.037			
02422	2427	2426	8	124.96	0.008	0.081	0.081	Pressurized	1.86	0.182	0.073	0.122	0.129	1.128	1.116	Yes	0.667	0.232			
02423	2426	2,425.00	8	191.75	0.004	0.085	0.085	Pressurized	1.508	0.219	0.105	0.146	0.133	0.83	0.811	Yes	0.667	0.244			
02424	2425	2414	8	215.59	0.007	0.128	0.128	Pressurized	1.996	0.239	0.125	0.159	0.163	1.048	1.021	Yes	0.667	0.366			
02425	2439	2440	8	398.93	0.005	0.021	0.021	Free Surface	1.041	0.108	0.025	0.072	0.066	0.825	0.86	Yes	0.667	0.061			
02426	2440	2441	8	135.46	0.009	0.026	0.026	Pressurized	1.335	0.104	0.023	0.069	0.072	1.084	1.136	Yes	0.667	0.073			
02427	2441	2,442.00	8	157.32	0.005	0.03	0.03	Pressurized	1.184	0.125	0.033	0.083	0.078	0.873	0.896	Yes	0.667	0.085			
02428	2442	2443	8	205.07	0.006	0.034	0.034	Pressurized	1.236	0.133	0.038	0.089	0.083	0.883	0.899	Yes	0.667	0.098			
02429	2443	2425	8	271.68	0.006	0.038	0.038	Pressurized	1.284	0.14	0.042	0.094	0.088	0.892	0.903	Yes	0.667	0.11			
02430	2418	2417	8	400.71	0.006	0.548	0.548	Free Surface	2.704	0.564	0.61	0.376	0.347	0.86	0.9	Yes	0.667	1.571			
02431	2417	2416	8	380.77	0.005	0.553	0.553	Pressurized	2.628	0.581	0.639	0.387	0.349	0.819	0.865	Yes	0.667	1.583			
02432	2416	2415	8	385.36	0.006	0.557	0.557	Pressurized	2.848	0.547	0.581	0.365	0.35	0.924	0.958	Yes	0.667	1.596			
02433	2415	2414	8	386.22	0.011	0.561	0.561	Pressurized	3.506	0.467	0.445	0.312	0.352	1.26	1.26	Yes	0.667	1.608			
02434	2414	2413	8	162.32	0.009	0.693	0.693	Pressurized	3.427	0.563	0.608	0.375	0.393	1.092	1.141	Yes	0.667	1.986			
02435	2761	2418	8	398.92	0.005	0.544	0.544	Free Surface	2.666	0.567	0.615	0.378	0.346	0.845	0.885	No	0.378	2.666			
02436	2448	2446	8	241.56	0.071	0.017	0.017	Free Surface	2.463	0.053	0.005	0.035	0.059	2.818	3.23	Yes	0.04	2.07			
02437	2446	2451	8	248.77	0.043	0.022	0.022	Free Surface	2.216	0.066	0.009	0.044	0.066	2.266	2.517	Yes	0.046	2.068			
02438	2449	2447	8	315.88	0.06	0.004	0.004	Free Surface	1.522	0.029	0.001	0.019	0.03	2.366	2.971	Yes	0.024	1.114			
02439	2447	2450	8	326.44	0.047	0.009	0.009	Free Surface	1.721	0.042	0.003	0.028	0.042	2.206	2.614	Yes	0.042	0.932			
02440	2451	2450	8	280.99	0.042	0.026	0.026	Free Surface	2.324	0.072	0.01	0.048	0.073	2.269	2.489	Yes	0.053	2.044			
02441	2450	2445	8	306.86	0.047	0.039	0.039	Free Surface	2.726	0.085	0.015	0.057	0.089	2.445	2.625	Yes	0.068	2.099			
02442	2445	2444	8	96.05	0.015	0.044	0.044	Free Surface	1.87	0.118	0.03	0.079	0.094	1.418	1.463	Yes	0.08	1.843			
02443	2444	66	8	140.6	0.016	0.048	0.048	Free Surface	1.998	0.121	0.031	0.081	0.099	1.499	1.543	Yes	0.09	1.701			
02451	2458	2460	8	179.72	0.034	0.014	0.014	Free Surface	1.779	0.056	0.006	0.037	0.053	1.976	2.247	Yes	0.061	0.856			
02452	2473	2472	8	243.43	0.052	0.139	0.139	Free Surface	4.127	0.152	0.05	0.102	0.17	2.746	2.76	Yes	0.112	3.572			
02453	2472	2471	8	264.46	0.027	0.147	0.147	Free Surface	3.319	0.184	0.074	0.123	0.175	1.999	1.977	Yes	0.136	2.883			
02454	2471	2470	8	238.34	0.014	0.155	0.155	Free Surface	2.68	0.223	0.109	0.148	0.18	1.462	1.428	No	0.148	2.68			
02455	2470	2469	8	296.47	0.029	0.163	0.163	Free Surface	3.514	0.191	0.08	0.127	0.185	2.08	2.052	Yes	0.132	3.329			
02456	2469	2468	8	221.06	0.023	0.171	0.171	Free Surface	3.318	0.205	0.093	0.137	0.19	1.888	1.853	Yes	0.139	3.247			
02457	2468	2467	8	164.39	0.023	0.18	0.18	Free Surface	3.33	0.212	0.098	0.141	0.194	1.866	1.827	Yes	0.153	2.965			
02458	2467	2466	8	390.62	0.013	0.188	0.188	Free Surface	2.786	0.248	0.135	0.165	0.199	1.435	1.395	Yes	0.172	2.624			
02459	2466	2465	8	237.7	0.01	0.196	0.196	Free Surface	2.586	0.269	0.159	0.18	0.203	1.273	1.235	No	0.18	2.586			
02460	2465	2463	8	197.4	0.013	0.204	0.204	Free Surface	2.812	0.261	0.149	0.174	0.208	1.408	1.366	Yes	0.185	2.585			
02461	2463	2464	8	103.32	0.009	0.212	0.212	Free Surface	2.484	0.293	0.188	0.196	0.212	1.167	1.131	Yes	0.238	1.892			
02462	2464	2462	8	58.54	0.004	0.269	0.269	Free Surface	1.925	0.422	0.371	0.281	0.24	0.736	0.726	Yes	0.281	1.923			
02463	2462	2,461.00	8	221.35	0.004	0.278	0.278	Free Surface	1.981	0.422	0.372	0.281	0.244	0.757	0.746	No	0.281	1.981			
02464	2461	2474	8	230.07	0.029	0.286	0.286	Free Surface	4.153	0.251	0.139	0.168	0.247	2.122	2.062	Yes	0.281	2.048			
02465	2481	2480	8	332.47	0.036	0.008	0.008	Free Surface	1.549	0.043	0.004	0.029	0.04	1.959	2.311	Yes	0.04	1.172			
02466	2480	2479	8	326.97	0.033	0.016	0.016	Free Surface	1.855	0.061	0.007	0.041	0.057	1.97	2.212	Yes	0.101	0.491			
02467	2482	2483	8	361.56	0.033	0.008	0.008	Free Surface	1.491	0.044	0.004	0.03	0.04	1.861	2.188	Yes	0.061	0.51			
02468	2484	2483	8	172.54	0.048	0.057	0.057	Free Surface	3.084	0.101	0.021	0.068	0.108	2.532	2.661	Yes	0.08	2.401			
02469	2483	2485	8	246.66	0.021	0.073	0.073	Free Surface	2.496	0.139	0.042	0.093	0.123	1.742	1.766	Yes	0.109	1.979			
02470	2485	2,479.00	8	237.7	0.008	0.082	0.082	Free Surface	1.802	0.187	0.077	0.125	0.13	1.076	1.063	Yes	0.143	1.486			
02471	2479	2478	8	343.37	0.005	0.106	0.106	Free Surface	1.632	0.242	0.128	0.161	0.148	0.852	0.83	No	0.161	1.632			
02472	2478	2473	8	311.01	0.014	0.131	0.131	Free Surface	2.573	0.203	0.09	0.135	0.165	1.474	1.448	No	0.135	2.573			
02473	2476	2477	8	145.95	0.055	0.008	0.008	Free Surface	1.792	0.039	0.003	0.026	0.04	2.382	2.853	Yes	0.03	1.491			
02474	2477	2478	8	288.02	0.081	0.016	0.016	Free Surface	2.531	0.05	0.005	0.033	0.057	2.989	3.457	Yes	0.084	0.639			
02475	2497	2496	8	127.15	0.006	0.062	0.062	Free Surface	1.501	0.176	0.068	0.118	0.113	0.925	0.918	Yes	0.183	0.804			
02476	2496	2495	8	249.29	0.006	0.27	0.27	Free Surface	2.292	0.371	0.293	0.247	0.24	0.944	0.921	Yes	0.257	2.173			
02477	2495	364	8	293.32	0.014	0.478	0.478	Free Surface	3.652	0.401	0.339	0.267	0.323	1.438	1.411	Yes	0.306	3.056			
02478	2507	2506	8	98.96	0.016	0.042	0.042	Free Surface	1.9	0.114	0.027	0.076	0.092	1.472	1.526	Yes	0.106	1.167			
02479	2506	2496	8	286.08	0.029	0.187	0.187	Free Surface	3.664	0.204	0.091	0.136	0.199	2.094	2.056	Yes	0.192	2.254			
02480	2505	2504	8	109.53	0.046	0.083	0.083	Free Surface	3.4	0.122	0.032	0.082	0.131	2.533	2.604	Yes	0.106	2.33			
02481	2504	2506	8	270.38	0.015	0.125	0.125	Free Surface	2.597	0.195	0.083	0.13	0.161	1.519	1.496	Yes	0.133	2.518			
02482	2503	2504	8	96.55	0.033	0.021	0.021	Free Surface	1.986	0.069	0.009	0.046	0.065	1.987	2.195	Yes	0.088	0.762			
02483	2498	2495	8	399.55	0.027	0.187	0.187	Free Surface	3.58	0.207	0.094	0.138	0.199	2.029	1.99	Yes	0.203	2.084			
02484	2499	2498	8	400.17	0.016	0.166	0.166	Free Surface	2.865	0.223	0.109	0.149	0.187	1.561	1.525	No	0.149	2.865			
02485	2502	2499	8	336.57	0.029	0.062	0.062	Free Surface	2.651	0.119	0.03	0.08	0.113	2.002	2.064	Yes	0.114	1.569			
02486	2500	2499	8	275.02	0.006	0.083	0.083	Free Surface	1.645	0.202	0.09	0.135	0.131	0.944	0.927	Yes	0.142	1.532			
02487	2501	2500	8	291.55	0.019	0.062	0.062	Free Surface	2.288	0.132	0.037	0.088	0.113	1.641	1.673	Yes	0.111	1.623			
02488	2508	1140	8	178.82	0.008	0.021	0.021	Free Surface	1.206	0.096	0.019	0.064	0.065	1.016	1.074	Yes	0.087	0.779			
02489	2514	1694	8	300.60	0.049	0.003	0.003	Free Surface	1.284	0.026	0.001	0.017	0.025	2.098	2.675	Yes	0.059	0.209			
02490	2539	2538	8	212.84	0.016	0.251	0.251	Free Surface	3.274	0.272	0.162	0.181	0.231	1.604	1.555	Yes	0.209	2.686			
02491	2538	2537	8	265.86	0.006	0.254	0.254	Free Surface	2.267	0.358	0.274	0.239	0.233	0.953	0.928	Yes	0.242	2.218			
02492	2537	2536	8	145.27	0.005	0.258	0.258	Free Surface	2.186	0.371	0.293	0.247	0.234	0.9	0.878	No	0.247	2.186			
02493	2536	2535	8	236.74	0.006	0.261	0.261	Free Surface	2.271	0.364	0.283	0.243	0.236	0.946	0.921	No	0.243	2.271			
02494	2535	2534	8	185.71	0.059	0.264	0.264	Free Surface	5.227	0.202	0.09	0.135	0.237	3	2.947	Yes	0.135	5.222			
02495	2534	2533	8	148.56	0.063	0.273	0.273	Free Surface	5.405	0.202	0.09	0.135	0.242	3.1	3.045	Yes	0.135	5.385			
02496	2533	2531	8	200.06	0.055	0.277	0.277	Free Surface	5.153	0.211	0.098	0.141	0.243	2.892	2.833	Yes	0.143	5.038			
02497	2532	2531	8	104.73	0.012	0.01	0.01	Free Surface	1.094	0.061	0.007	0.04	0.044	1.167	1.312	Yes	0.093	0.323			
02498	2531	2530	8	121.08	0.05	0.289	0.289	Free Surface	5.054	0.221	0.107	0.147	0.249	2.769	2.706	Yes	0.17	4.059			
02499	2530	2520	8	128.73	0.016	0.292	0.292	Free Surface	3.401	0.295	0.189	0.197	0.25	1.593	1.544	No	0.197	3.401			
02500	2521	2520	8	52.95	0.001	0.003	0.003	Free Surface	0.273	0.074	0.011	0.049	0.025	0.264	0.288	Yes	0.139	0.06			
02501	2520	2519	8	286.04	0.044	0.299	0.299	Free Surface	4.88	0.232	0.118	0.154	0.253	2.607	2.542	Yes	0.176	4.051			
02502	2519	2517	8	180.91	0.016	0.302	0.302	Free Surface	3.407	0.301	0.198	0.201	0.254	1.577	1.528	Yes	0.212	3.161			
02503	2529	2528	8	98.69	0.05	0.003	0.003	Free Surface	1.297	0.026	0.001	0.017	0.025	2.127	2.715	Yes	0.02	1.074			
02504	2528	2518	8	364.94	0.041	0.006	0.006	Free Surface	1.5	0.037	0.003	0.025	0.036	2.045	2.467	Yes	0.046	0.602			
02505	2527	2526	8	134.52	0.009	0.003	0.003	Free Surface	0.716	0.039	0.003	0.026	0.025	0.96	1.153	No	0.026	0.716			
02506	2526	2525	8	147.6	0.04	0.006	0.006	Free Surface	1.477	0.038	0.003	0.025	0.036	2.003	2.413	Yes	0.028	1.234			
02507	2525	2524	8	72.89	0.051	0.01	0.01	Free Surface	1.827	0.043	0.003	0.029	0.044	2.321	2.742	Yes	0.031	1.602			
02508	2524	2523	8	139.16	0.075	0.013	0.013	Free Surface	2.279	0.045	0.004	0.03	0.051	2.83	3.322	Yes	0.031	2.177			
02509	2523	2522	8	237.15	0.079	0.016	0.016	Free Surface	2.486	0.049	0.005	0.033	0.057	2.946	3.412	Yes	0.04	2.275			
02510	2522	2518	8	239.71	0.05	0.019	0.019	Free Surface	2.236	0.06	0.007	0.04	0.062	2.402	2.705	Yes	0.054	1.445			
02511	2518	2,517.00	8	44.10	0.011	0.029	0.029	Free Surface	1.486	0.104	0.023	0.069	0.076	1.205	1.263	Yes	0.15	0.503			
02512	2517	2515	8	266.25	0.013	0.334	0.334	Free Surface	3.235	0.336	0.244	0.224	0.268	1.409	1.368	No	0.224	3.235			
02513	2541	2516	8	299.15	0.02	0.019	0.019	Free Surface	1.622	0.074	0.011	0.05	0.062	1.56	1.706	No	0.05	1.622			
02514	2516	2515	8	178.55	0.069	0.022	0.022	Free Surface	2.618	0.06	0.007	0.04	0.067	2.816	3.173	Yes	0.117	0.541			
02515	2542	2,541.00	8	262.75	0.016	0.016	0.016	Free Surface	1.412	0.072	0.01	0.048	0.057	1.379	1.513	Yes	0.05	1.381			
02516	2544	181	8	189.88	0	0.005	0.005	Free Surface	0.203	0.126	0.034	0.084	0.032	0.149	0.152	No	0.084	0.203			
02517	2543	189	8	153.65	0.032	0.005	0.005	Free Surface	1.285	0.036	0.002	0.024	0.032	1.778	2.155	Yes	0.081	0.213			
02518	2545	2548	8	186.35	0.018	0.042	0.042	Free Surface	1.986	0.11	0.026	0.074	0.092	1.562	1.624	Yes	0.078	1.838			
02519	2548	2549	8	173.85	0.014	0.046	0.046	Free Surface	1.898	0.122	0.032	0.081	0.097	1.416	1.456	No	0.081	1.898			
02520	2549	2546	8	257.02	0.055	0.051	0.051	Free Surface	3.123	0.093	0.018	0.062	0.102	2.682	2.848	Yes	0.667	0.146			
02521	2547	2554	8	274.22	0.04	0.005	0.005	Free Surface	1.342	0.033	0.002	0.022	0.03	1.96	2.414	Yes	0.667	0.013			
02522	2553	2551	8	237.74	0.007	0.005	0.005	Pressurized	0.721	0.049	0.005	0.033	0.03	0.853	0.988	Yes	0.667	0.013			
02523	2551	2552	8	157.15	0.009	0.019	0.019	Pressurized	1.229	0.088	0.016	0.059	0.061	1.085	1.16	Yes	0.667	0.053			
02524	2552	2550	8	288.86	0.004	0.023	0.023	Pressurized	0.985	0.119	0.03	0.079	0.068	0.745	0.768	Yes	0.67	0.066			
02525	2550	2546	8	180.59	0.009	0.028	0.028	Pressurized	1.367	0.108	0.024	0.072	0.075	1.087	1.133	Yes	0.667	0.08			
02526	2546	2556	15	122.41	0.012	12.665	12.665	Pressurized	10.32	1	1.765	1.25	1.071	1.627	7.176	Yes	1.25	10.32	15.76	18	2

02527	2555	2895	15	7.69	0.02	5.633	5.633	Pressurized	7.772	0.571	0.623	0.714	0.961	1.789	9.046	Yes	1.25	4.591			
02528	2563	2562	8	143.35	0.018	0.006	0.006	Free Surface	1.1	0.043	0.004	0.029	0.034	1.393	1.644	Yes	0.032	0.925			
02529	2562	2561	8	141.23	0.029	0.012	0.012	Free Surface	1.583	0.054	0.006	0.036	0.048	1.791	2.047	Yes	0.039	1.394			
02530	2561	2559	8	84.9	0.032	0.017	0.017	Free Surface	1.861	0.064	0.008	0.042	0.059	1.938	2.165	Yes	0.048	1.544			
02531	2560	2559	8	125.08	0.007	0.006	0.006	Free Surface	0.775	0.055	0.006	0.036	0.034	0.871	0.993	Yes	0.045	0.565			
02532	2559	2558	8	128.07	0.032	0.029	0.029	Free Surface	2.181	0.081	0.013	0.054	0.077	2.012	2.176	Yes	0.057	2.005			
02533	2558	2557	8	235.84	0.029	0.035	0.035	Free Surface	2.222	0.09	0.017	0.06	0.084	1.937	2.065	No	0.06	2.222			
02534	2557	1727	8	59.58	0.104	0.04	0.04	Free Surface	3.633	0.072	0.01	0.048	0.091	3.559	3.908	Yes	0.187	0.503			
02535	1736	1735	8	319.18	0.009	0.005	0.005	Free Surface	0.82	0.046	0.004	0.031	0.031	1.005	1.175	Yes	0.67	0.014			
02536	2567	2566	8	336.26	0.005	0.005	0.005	Free Surface	0.671	0.053	0.005	0.035	0.031	0.767	0.879	Yes	0.042	0.521			
02537	2566	2565	8	336.85	0.005	0.01	0.01	Free Surface	0.84	0.072	0.011	0.048	0.044	0.819	0.898	Yes	0.053	0.724			
02538	2565	2564	8	337.86	0.005	0.014	0.014	Free Surface	0.949	0.088	0.016	0.059	0.054	0.838	0.897	Yes	0.605	0.043			
02539	2564	2569	8	123.55	0.007	0.087	0.087	Pressurized	1.762	0.198	0.086	0.132	0.134	1.022	1.005	Yes	0.667	0.248			
02540	2569	1741	8	160.01	0.001	0.091	0.091	Pressurized	0.9	0.332	0.238	0.222	0.137	0.395	0.383	Yes	0.667	0.262			
02541	1738	1,741.00	12	367.95	0.007	1.647	1.647	Free Surface	3.99	0.52	0.534	0.52	0.545	1.094	3.083	Yes	1.00	2.097			
02542	2581	2580	8	260.24	0.027	0.004	0.004	Free Surface	1.097	0.032	0.002	0.021	0.027	1.624	2.008	Yes	0.025	0.838			
02543	2580	2579	8	261.23	0.026	0.007	0.007	Free Surface	1.336	0.044	0.004	0.03	0.038	1.67	1.965	No	0.03	1.336			
02544	2579	2570	8	125.4	0.077	0.011	0.011	Free Surface	2.195	0.042	0.003	0.028	0.047	2.831	3.361	Yes	0.324	0.065			
02545	2570	2064	8	161.95	0.008	0.044	0.044	Free Surface	1.51	0.137	0.041	0.092	0.094	1.061	1.077	Yes	0.667	0.125			
02546	2578	2571	8	398.94	0.021	0.004	0.004	Free Surface	1.004	0.034	0.002	0.022	0.027	1.442	1.767	Yes	0.034	0.538			
02547	2571	2570	8	130.4	0.065	0.029	0.029	Free Surface	2.784	0.069	0.009	0.046	0.077	2.787	3.079	Yes	0.333	0.167			
02548	2572	2571	8	89.87	0.007	0.022	0.022	Free Surface	1.176	0.101	0.022	0.068	0.066	0.966	1.014	No	0.068	1.176			
02549	2573	2572	8	156.45	0.006	0.018	0.018	Free Surface	1.071	0.096	0.019	0.064	0.061	0.906	0.959	Yes	0.066	1.024			
02550	2574	2573	8	195.79	0.008	0.015	0.015	Free Surface	1.105	0.08	0.013	0.054	0.054	1.022	1.105	Yes	0.059	0.967			
02551	2575	2574	8	251.37	0.024	0.011	0.011	Free Surface	1.471	0.055	0.006	0.036	0.047	1.657	1.89	Yes	0.045	1.074			
02552	2576	2575	8	224.84	0.027	0.007	0.007	Free Surface	1.347	0.044	0.004	0.029	0.038	1.69	1.989	Yes	0.033	1.14			
02553	2577	2576	8	398.29	0.011	0.004	0.004	Free Surface	0.791	0.039	0.003	0.026	0.027	1.049	1.254	Yes	0.028	0.729			
02554	2582	2583	10	113.12	0.007	0.089	0.089	Free Surface	1.725	0.151	0.049	0.126	0.128	1.032	1.814	Yes	0.345	0.418			
02555	2586	2585	8	279.28	0.003	0.005	0.005	Free Surface	0.576	0.059	0.007	0.039	0.031	0.626	0.707	Yes	0.047	0.432			
02556	2585	2582	8	337.82	0.003	0.01	0.01	Free Surface	0.68	0.084	0.014	0.056	0.044	0.616	0.662	Yes	0.091	0.333			
02558	2588	2589	8	192.73	0.007	0.004	0.004	Free Surface	0.691	0.045	0.004	0.03	0.028	0.853	0.999	Yes	0.045	0.382			
02559	2591	2589	8	110.58	0.008	0.004	0.004	Free Surface	0.724	0.044	0.004	0.029	0.028	0.908	1.068	Yes	0.045	0.388			
02560	2590	2589	8	231.04	0.006	0.004	0.004	Free Surface	0.662	0.047	0.004	0.031	0.028	0.805	0.94	Yes	0.046	0.377			
02561	2589	1884	8	152.76	0.006	0.016	0.016	Free Surface	1.005	0.09	0.017	0.06	0.056	0.877	0.935	Yes	0.343	0.087			
02562	2597	2595	8	359.41	0.06	0.006	0.006	Free Surface	1.658	0.033	0.002	0.022	0.034	2.411	2.967	Yes	0.029	1.103			
02563	2596	2595	8	139.22	0.008	0.006	0.006	Free Surface	0.82	0.053	0.005	0.035	0.034	0.939	1.077	Yes	0.035	0.811			
02564	2595	2594	8	216.8	0.067	0.017	0.017	Free Surface	2.405	0.053	0.006	0.036	0.059	2.733	3.128	Yes	0.04	2.112			
02565	2594	2593	8	284.31	0.058	0.023	0.023	Free Surface	2.5	0.063	0.008	0.042	0.068	2.61	2.916	Yes	0.054	1.75			
02566	2593	2,592.00	8	237.32	0.069	0.064	0.064	Free Surface	3.614	0.098	0.02	0.065	0.114	3.022	3.189	Yes	0.08	2.697			
02567	2598	2599	8	67.41	0.032	0.006	0.006	Free Surface	1.332	0.038	0.003	0.025	0.034	1.798	2.164	Yes	0.028	1.153			
02568	2599	2600	8	231.03	0.058	0.012	0.012	Free Surface	2.021	0.046	0.004	0.031	0.048	2.486	2.91	Yes	0.034	1.694			
02569	2600	2601	8	231.03	0.05	0.017	0.017	Free Surface	2.17	0.057	0.006	0.038	0.059	2.381	2.698	Yes	0.045	1.698			
02570	2601	2602	8	235.53	0.024	0.023	0.023	Free Surface	1.836	0.078	0.012	0.052	0.068	1.723	1.872	No	0.052	1.836			
02571	2602	2603	8	236.15	0.053	0.029	0.029	Free Surface	2.59	0.072	0.01	0.048	0.077	2.536	2.784	Yes	0.054	2.181			
02572	2603	2593	8	237.94	0.03	0.035	0.035	Free Surface	2.243	0.09	0.017	0.06	0.084	1.962	2.093	Yes	0.062	2.1			
02573	2609	2608	8	117.4	0.007	0.004	0.004	Free Surface	0.67	0.044	0.004	0.029	0.027	0.839	0.988	Yes	0.034	0.553			
02574	2608	2607	8	128.3	0.009	0.007	0.007	Free Surface	0.932	0.056	0.006	0.038	0.038	1.032	1.172	No	0.04	0.932			
02575	2607	2606	8	155.35	0.028	0.011	0.011	Free Surface	1.548	0.053	0.005	0.035	0.047	1.774	2.034	Yes	0.55	0.035			
02576	2606	2605	8	182.98	0.031	0.015	0.015	Pressurized	1.754	0.059	0.007	0.039	0.054	1.901	2.146	Yes	0.667	0.042			
02577	2613	2612	8	150.06	0.006	0.004	0.004	Free Surface	0.647	0.045	0.004	0.03	0.027	0.8	0.938	Yes	0.031	0.62			
02578	2612	2611	8	145.86	0.019	0.007	0.007	Free Surface	1.188	0.048	0.004	0.032	0.038	1.428	1.661	Yes	0.475	0.027			
02579	2611	2610	8	179.73	0.017	0.011	0.011	Pressurized	1.296	0.059	0.007	0.04	0.047	1.398	1.576	Yes	0.667	0.031			
02580	2610	2605	8	330.23	0.009	0.015	0.015	Pressurized	1.119	0.08	0.013	0.053	0.054	1.039	1.126	Yes	0.667	0.042			
02581	2605	1813	8	178.39	0.008	0.033	0.033	Pressurized	1.361	0.121	0.031	0.081	0.082	1.02	1.05	Yes	0.667	0.094			
02582	2616	1355	8	184.51	0.005	0.006	0.006	Free Surface	0.713	0.058	0.007	0.039	0.034	0.779	0.882	Yes	0.041	0.654			
02583	2615	2614	8	200	0.004	0.006	0.006	Free Surface	0.669	0.06	0.007	0.04	0.034	0.715	0.804	No	0.04	0.669			
02584	2614	1344	8	61.05	0.023	0.012	0.012	Free Surface	1.478	0.057	0.006	0.038	0.048	1.633	1.854	Yes	0.171	0.163			
02585	2622	2621	8	238.07	0.031	0.008	0.008	Free Surface	1.457	0.045	0.004	0.03	0.04	1.805	2.117	Yes	0.036	1.139			
02586	2621	2619	8	281.89	0.02	0.016	0.016	Free Surface	1.555	0.069	0.01	0.046	0.057	1.554	1.716	No	0.046	1.555			
02587	2620	2619	8	236.19	0.019	0.008	0.008	Free Surface	1.246	0.05	0.005	0.033	0.04	1.463	1.69	Yes	0.039	1.003			
02588	2619	2624	8	299.09	0.067	0.033	0.033	Free Surface	2.919	0.072	0.01	0.048	0.081	2.855	3.134	Yes	0.068	1.728			
02589	2617	2624	8	301.49	0.01	0.008	0.008	Free Surface	0.982	0.059	0.007	0.039	0.04	1.063	1.199	Yes	0.064	0.476			
02591	1964	1963	8	210.28	0.019	0.005	0.005	Free Surface	1.065	0.041	0.003	0.027	0.032	1.386	1.65	Yes	0.032	0.844			
02592	1963	1961	8	209.32	0.021	0.01	0.01	Free Surface	1.38	0.055	0.006	0.036	0.046	1.551	1.769	Yes	0.051	0.849			
02593	1961	1863	8	205.88	0.004	0.015	0.015	Free Surface	0.885	0.097	0.02	0.065	0.056	0.742	0.783	Yes	0.068	0.82			
02594	1962	1965	8	235.89	0.014	0.005	0.005	Free Surface	0.966	0.044	0.004	0.029	0.032	1.217	1.435	Yes	0.04	0.705			
02595	1965	1966	8	288.76	0.011	0.01	0.01	Free Surface	1.087	0.064	0.008	0.043	0.046	1.126	1.255	No	0.043	1.087			
02600	1346	2634	8	24.13	0.019	0.578	0.578	Free Surface	4.352	0.405	0.345	0.27	0.357	1.703	1.673	Yes	0.313	3.593			
02614	2649	2650	8	401.57	0.014	0.006	0.006	Free Surface	0.978	0.045	0.004	0.03	0.033	1.207	1.414	Yes	0.031	0.929			
02615	2650	2651	8	262.3	0.041	0.011	0.011	Free Surface	1.767	0.049	0.005	0.032	0.047	2.106	2.444	Yes	0.037	1.439			
02616	2651	2652	8	145.46	0.03	0.017	0.017	Free Surface	1.804	0.063	0.008	0.042	0.058	1.885	2.107	Yes	0.042	1.777			
02617	2652	2653	8	314.01	0.049	0.022	0.022	Free Surface	2.336	0.064	0.008	0.043	0.067	2.417	2.694	Yes	0.052	1.782			
02618	2653	2,654.00	8	402.38	0.018	0.028	0.028	Free Surface	1.774	0.09	0.017	0.06	0.075	1.546	1.647	Yes	0.06	1.611			
02619	2654	1540	8	399.12	0.016	0.033	0.033	Free Surface	1.766	0.102	0.022	0.068	0.082	1.443	1.514	Yes	0.667	0.095			
02621	2663	2662	8	115.98	0.006	0.008	0.008	Free Surface	0.812	0.065	0.008	0.043	0.039	0.839	0.935	No	0.043	0.812			
02622	2662	2661	8	220.65	0.034	0.015	0.015	Free Surface	1.832	0.06	0.007	0.04	0.056	1.973	2.223	Yes	0.055	1.143			
02623	2661	2660	8	273.51	0.007	0.023	0.023	Free Surface	1.202	0.104	0.023	0.07	0.069	0.972	1.018	No	0.07	1.202			
02624	2660	2,659.00	8	49.31	0.016	0.031	0.031	Free Surface	1.73	0.099	0.02	0.066	0.079	1.437	1.514	No	0.07	1.73			
02625	2659	2658	8	153.14	0.042	0.039	0.039	Free Surface	2.617	0.087	0.016	0.058	0.089	2.324	2.488	No	0.058	2.617			
02626	2658	2657	8	155.12	0.069	0.046	0.046	Free Surface	3.283	0.084	0.015	0.056	0.097	2.96	3.182	Yes	0.068	2.466			
02627	2657	2656	8	113.83	0.021	0.054	0.054	Free Surface	2.266	0.121	0.031	0.08	0.105	1.702	1.752	Yes	0.09	1.86			
02628	2656	2655	8	192.98	0.009	0.062	0.062	Free Surface	1.788	0.156	0.053	0.104	0.113	1.176	1.18	No	0.104	1.788			
02629	2655	693	8	126.22	0.027	0.07	0.07	Free Surface	2.681	0.128	0.035	0.085	0.12	1.955	2	No	0.085	2.681			
02630	3089	2685	8	101.02	0.037	0.007	0.007	Free Surface	1.464	0.039	0.003	0.026	0.036	1.954	2.344	Yes	0.032	1.049			
02631	2685	2684	8	205.25	0.026	0.013	0.013	Free Surface	1.598	0.058	0.007	0.039	0.051	1.736	1.962	Yes	0.049	1.152			
02632	2684	2,682.00	8	207.31	0.011	0.02	0.02	Free Surface	1.323	0.087	0.016	0.058	0.063	1.172	1.254	Yes	0.06	1.141			
02633	2683	2682	8	108.31	0.043	0.007	0.007	Free Surface	1.535	0.038	0.003	0.025	0.036	2.083	2.51	Yes	0.048	0.59			
02634	2682	2680	8	207.81	0.013	0.033	0.033	Free Surface	1.664	0.106	0.024	0.071	0.082	1.336	1.396	Yes	0.076	1.502			
02635	2681	2680	8	151.42	0.031	0.007	0.007	Free Surface	1.378	0.041	0.003	0.027	0.036	1.802	2.148	Yes	0.054	0.495			
02636	2680	2678	8	211.63	0.015	0.046	0.046	Free Surface	1.911	0.121	0.031	0.081	0.097	1.432	1.473	Yes	0.087	1.726			
02638	2679	2678	8	162.7	0.033	0.007	0.007	Free Surface	1.4	0.04	0.003	0.027	0.036	1.84	2.197	Yes	0.06	0.426			
02639	2678	2676	8	190.51	0.014	0.059	0.059	Free Surface	2.017	0.139	0.041	0.093	0.11	1.409	1.429	Yes	0.096	1.908			
02640	2677	2676	8	141.22	0.039	0.007	0.007	Free Surface	1.488	0.038	0.003	0.026	0.036	1.998	2.4	Yes	0.063	0.396			
02641	2676	2675	8	272.75	0.015	0.072	0.072	Free Surface	2.211	0.15	0.048	0.1	0.122	1.486	1.496	Yes	0.104	2.067			
02642	2675	2674	8	223.68	0.012	0.079	0.079	Free Surface	2.115	0.164	0.058	0.109	0.128	1.355	1.353	No	0.11	2.115			
02643	2674	2672	8	269.63	0.062	0.085	0.085	Free Surface	3.81	0.115	0.028	0.077	0.133	2.927	3.028	Yes	0.667	0.245			
02644	2673	2672	8	207.91	0.07	2.8	2.8	Pressurized	10.337	0.725	0.875	0.483	0.655	2.701	3.201	Yes	0.67	8.022	6.43	8	2
02645	2672	2671	8	280.05	0.019	2.892	2.892	Pressurized	8.286	1	1.719	0.667	0.597	1.788	1.682	Yes	0.667	8.286	8.31	10	2
02646	2671	2670	8	398.07	0.026	2.899	2.899	Pressurized	8.305	1	1.482	0.667	0.623	1.792	1.956	Yes	0.667	8.305	7.84	8	2
02647	2670	2669	8	402.02	0.007	2.905	2.905	Pressurized	8.324	1	2.79	0.667	0.484	1.797	1.041	Yes	0.667	8.324	10.04	12	2
02648	2669	2668	8	187.4	0.005	2.912	2.912	Pressurized	8.342	1	3.494	0.667	0.432	1.801	0.834	Yes	0.67	8.342	10.70	12	2
02649	2668	9	8	147.25	0.007	2.919	2.919	Pressurized	8.361	1	2.8	0.667	0.484	1.805	1.042	Yes	0.67	8.361	10.06	12	2
02650	2823	694	8	241.66	0.049	0.031	0.031	Free Surface	2.575	0.076	0.012	0.05	0.079	2.455	2.678	Yes	0.116	0.762			
02651	228	230	8	156.83	0.008	0.463	0.463	Free Surface	2.953	0.46	0.433	0.307	0.318	1.072	1.07	No	0.31	2.953			
02653	2687	2686	8	197.22	0.003	0.008	0.008	Free Surface	0.643	0.076	0.012	0.05	0.039	0.613	0.668	No	0.05	0.643			
02654	2686	570	8	262.9	0.044	0.015	0.015	Free Surface	2.005	0.056	0.006	0.037	0.056	2.225	2.529	Yes	0.12	0.361			
02655	2690	2689	8	118.85	0.047	0.004	0.004	Free Surface	1.395	0.03	0.002	0.02	0.03	2.105	2.621	Yes	0.024	1.081			
02656	2689	2688	8	107.24	0.048	0.009	0.009	Free Surface	1.741	0.042	0.003	0.028	0.042	2.24	2.658	Yes	0.035	1.23			
02657	2688	2448	8	30.92	0.018	0.013	0.013	Free Surface	1.394	0.064	0.008	0.043	0.051	1.448	1.616	No	0.043	1.394			
02658	2692	2691	8	136.61	0.019	0.014	0.014	Free Surface	1.45	0.064	0.008	0.043	0.053	1.501	1.674	Yes	0.268	0.105			
02659	2691	126	8	76.4	0.007	0.027	0.027	Free Surface	1.288	0.111	0.026	0.074	0.075	1.007	1.047	Yes	0.667	0.079			
02660	2697	2698	8	247.45	0.004	0.004	0.004	Pressurized	0.586	0.054	0.006	0.036	0.029	0.663	0.759	Yes	0.667	0.012			
02661	2698	2699	8	251.44	0.01	0.009	0.009	Pressurized	0.985	0.06	0.007	0.04	0.041	1.053	1.184	Yes	0.667	0.024			
02662	2700	2699	10	350.83	0.003	1.271	1.271	Pressurized	2.331	1	1.048	0.833	0.491	0.45	1.213	Yes	0.833	2.331	8.63	10	2
02663	2705	2706	8	81.71	0.013	0.004	0.004	Pressurized	0.893	0.04	0.003	0.027	0.029	1.169	1.393	Yes	0.667	0.012			
02664	2707	2706	8	319.98	0.004	0.013	0.013	Pressurized	0.798	0.092	0.017	0.061	0.051	0.689	0.733	Yes	0.667	0.037			
02665	2706	2708	8	376.53	0.004	0.021	0.021	Pressurized	0.976	0.113	0.027	0.076	0.066	0.757	0.785	Yes	0.67	0.061			
02666	2708	2699	10	272.39	0.003	0.089	0.089	Pressurized	1.333	0.181	0.071	0.151	0.128	0.726	1.256	Yes	0.833	0.164			
02667	2709	2708	10	431.47	0.003	0.011	0.011	Pressurized	0.689	0.068	0.009	0.057	0.045	0.619	1.197	Yes	0.833	0.02			
02668	2712	2711	8	267.19	0.008	0.004	0.004	Pressurized	0.761	0.045	0.004	0.03	0.029	0.943	1.107	Yes	0.667	0.012			
02669	2711	2708	10	227.35	0.004	0.053	0.053	Pressurized	1.26	0.13	0.036	0.109	0.098	0.813	1.45	Yes	0.833	0.097			
02670	2710	2711	8	189.79	0.015	0.004	0.004	Pressurized	0.928	0.039	0.003	0.026	0.029	1.23	1.472	Yes	0.667	0.012			
02671	2713	2711	10	250.19	0.004	0.04	0.04	Pressurized	1.117	0.117	0.029	0.098	0.085	0.762	1.375	Yes	0.833	0.073			
02672	2699	2701	10	279.57	0.009	1.373	1.373	Pressurized	4.064	0.595	0.662	0.495	0.524	1.114	2.073	Yes	0.83	2.518			
02673	2703	2702	10	214.75	0.003	0.017	0.017	Pressurized	0.789	0.083	0.014	0.069	0.055	0.642	1.209	Yes	0.833	0.031			
02674	2702	2701	10	214.25	0.006	0.021	0.021	Pressurized	1.041	0.08	0.013	0.067	0.062	0.862	1.63	Yes	0.833	0.039			
02675	2701	2704	10	371.38	0.004	1.399	1.399	Pressurized	2.957	0.81	0.989	0.675	0.529	0.613	1.415	Yes	0.833	2.565	8.48	10	2

02676	2774	2707	8	320.5	0.004	0.009	0.009	Pressurized	0.699	0.076	0.012	0.051	0.041	0.663	0.723	Yes	0.667	0.024			
02677	2721	2720	8	167.27	0.153	0.006	0.006	Free Surface	2.282	0.026	0.001	0.017	0.034	3.718	4.738	Yes	0.022	1.641			
02678	2720	2719	8	276.98	0.109	0.011	0.011	Free Surface	2.507	0.039	0.003	0.026	0.048	3.336	3.997	Yes	0.029	2.134			
02679	2719	2718	8	318.62	0.101	0.017	0.017	Free Surface	2.769	0.048	0.004	0.032	0.059	3.321	3.859	Yes	0.04	2.241	Changed slope from 0		
02680	2718	2717	8	156.05	0.058	0.023	0.023	Free Surface	2.483	0.063	0.008	0.042	0.068	2.601	2.91	Yes	0.04	2.273			
02681	2717	2716	8	124.75	0.055	0.028	0.028	Free Surface	2.614	0.071	0.01	0.047	0.076	2.581	2.841	Yes	0.05	2.413			
02682	2716	2715	8	138.04	0.051	0.034	0.034	Free Surface	2.685	0.078	0.013	0.052	0.083	2.514	2.728	No	0.052	2.685			
02683	2715	2714	8	144.14	0.07	0.04	0.04	Free Surface	3.154	0.078	0.012	0.052	0.09	2.959	3.214	Yes	0.07	1.998			
02684	785	2714	8	162.71	0.017	0.034	0.034	Free Surface	1.842	0.101	0.021	0.068	0.083	1.513	1.589	Yes	0.079	1.471			
02685	2714	2722	8	171.87	0.028	0.08	0.08	Free Surface	2.828	0.135	0.039	0.09	0.128	2.005	2.039	No	0.09	2.828			
02686	2722	2723	8	110.23	0.046	0.085	0.085	Free Surface	3.409	0.124	0.033	0.083	0.133	2.52	2.586	Yes	0.09	2.937			
02687	2723	2724	8	181.47	0.023	0.091	0.091	Free Surface	2.739	0.151	0.049	0.101	0.137	1.83	1.841	Yes	0.107	2.508			
02688	2724	791	8	354.22	0.035	0.142	0.142	Free Surface	3.607	0.17	0.063	0.113	0.172	2.267	2.256	No	0.113	3.607			
02689	2725	2724	8	171.84	0.008	0.045	0.045	Free Surface	1.549	0.139	0.041	0.093	0.096	1.082	1.097	Yes	0.103	1.327			
02690	2726	2725	8	296.23	0.011	0.04	0.04	Free Surface	1.657	0.121	0.031	0.081	0.09	1.243	1.279	Yes	0.087	1.493			
02691	2727	2726	8	204.71	0.056	0.034	0.034	Free Surface	2.779	0.077	0.012	0.051	0.083	2.633	2.867	Yes	0.066	1.911			
02692	2728	2727	8	86.43	0.092	0.028	0.028	Free Surface	3.128	0.063	0.008	0.042	0.076	3.285	3.677	Yes	0.046	2.671			
02693	2729	2728	8	300.76	0.134	0.023	0.023	Free Surface	3.329	0.052	0.005	0.034	0.068	3.855	4.435	Yes	0.038	2.866			
02694	2730	2729	8	97.02	0.137	0.017	0.017	Free Surface	3.077	0.045	0.004	0.03	0.059	3.826	4.493	Yes	0.032	2.762			
02695	2731	2730	8	166.85	0.096	0.011	0.011	Free Surface	2.399	0.04	0.003	0.027	0.048	3.145	3.751	Yes	0.028	2.214			
02696	2695	2732	8	398.99	0.015	0.044	0.044	Free Surface	1.884	0.119	0.03	0.079	0.095	1.425	1.47	Yes	0.109	1.184			
02697	2732	1079	8	70.39	0.002	0.055	0.055	Free Surface	1.045	0.209	0.095	0.139	0.106	0.59	0.578	No	0.139	1.045			
02698	2696	2695	8	154.16	0.04	0.011	0.011	Free Surface	1.749	0.049	0.005	0.033	0.047	2.08	2.411	Yes	0.06	0.747			
02699	2694	2695	8	307.02	0.005	0.022	0.022	Free Surface	1.034	0.112	0.026	0.074	0.067	0.808	0.84	Yes	0.079	0.95			
02700	2693	2694	8	331.93	0.006	0.011	0.011	Free Surface	0.894	0.077	0.012	0.051	0.047	0.845	0.919	Yes	0.063	0.662			
02701	2733	362	8	399.51	0.046	1.154	1.154	Free Surface	7.211	0.467	0.445	0.312	0.509	2.591	2.592	Yes	0.385	5.528			
02702	2734	2733	8	406.06	0.034	1.133	1.133	Free Surface	6.44	0.503	0.506	0.336	0.505	2.209	2.242	No	0.336	6.44			
02703	2735	2734	8	397.52	0.034	1.112	1.112	Free Surface	6.41	0.498	0.496	0.332	0.5	2.214	2.242	Yes	0.332	6.402			
02704	2736	2735	8	397.33	0.038	0.083	0.083	Free Surface	3.161	0.129	0.035	0.086	0.131	2.296	2.347	Yes	0.211	0.874			
02705	2737	2736	8	400.16	0.024	0.062	0.062	Free Surface	2.467	0.125	0.033	0.084	0.113	1.817	1.863	Yes	0.085	2.397			
02706	2738	2737	8	398.7	0.013	0.042	0.042	Free Surface	1.767	0.119	0.03	0.08	0.092	1.335	1.376	Yes	0.083	1.674			
02707	2739	2738	8	400.94	0.006	0.021	0.021	Free Surface	1.122	0.101	0.021	0.068	0.065	0.921	0.968	Yes	0.073	1.011			
02708	2740	2739	8	400.06	0.006	0	0	Free Surface	0	0	0	0	0	0	0.906	Yes	0.032	0			
02709	2741	2740	8	294.99	0.006	0	0	Free Surface	0	0	0	0	0	0	0.917	No	0	0			
02710	2742	2741	8	297.00	0.005	0	0	Free Surface	0	0	0	0	0	0	0.875	No	0	0			
02711	2743	2,742.00	8	307.31	0.014	0	0	Free Surface	0	0	0	0	0	0	1.416	No	0.00	0			
02712	2744	2743	8	310.99	0.038	0	0	Free Surface	0	0	0	0	0	0	2.351	No	0	0			
02713	2745	2,744.00	8	403.60	0.056	0	0	Free Surface	0	0	0	0	0	0	2.856	No	0	0			
02714	2746	2,745.00	8	292.11	0.051	0	0	Free Surface	0	0	0	0	0	0	2.745	No	0.00	0			
02718	2751	2750	8	129.03	0.033	0.006	0.006	Free Surface	1.387	0.039	0.003	0.026	0.036	1.841	2.204	Yes	0.03	1.122			
02719	2750	2749	8	162.03	0.024	0.01	0.01	Free Surface	1.398	0.051	0.005	0.034	0.044	1.621	1.865	Yes	0.039	1.153			
02720	2749	2542	8	119.75	0.015	0.013	0.013	Free Surface	1.297	0.066	0.009	0.044	0.051	1.329	1.477	Yes	0.046	1.208			
02721	2748	2747	8	90.94	0.007	0.003	0.003	Free Surface	0.66	0.041	0.003	0.027	0.025	0.861	1.026	Yes	0.034	0.476			
02722	2747	2532	8	203.76	0.007	0.006	0.006	Free Surface	0.791	0.057	0.006	0.038	0.036	0.867	0.983	Yes	0.039	0.759			
02723	2752	549	8	175.07	0.029	0.063	0.063	Free Surface	2.665	0.119	0.03	0.079	0.113	2.015	2.078	No	0.079	2.665			
02724	2753	2752	8	177.26	0.042	0.025	0.025	Free Surface	2.297	0.071	0.01	0.047	0.071	2.268	2.496	Yes	0.063	1.488			
02725	2756	2753	8	241.22	0.014	0.013	0.013	Free Surface	1.258	0.066	0.009	0.044	0.05	1.281	1.421	Yes	0.046	1.201			
02726	2754	2752	8	151.61	0.012	0.025	0.025	Free Surface	1.468	0.096	0.019	0.064	0.071	1.241	1.313	Yes	0.072	1.24			
02727	2755	2,754.00	8	99.12	0.018	0.013	0.013	Free Surface	1.374	0.063	0.008	0.042	0.05	1.442	1.614	Yes	0.053	0.971			
02728	2757	550	8	118.35	0.036	0.05	0.05	Free Surface	2.684	0.102	0.022	0.068	0.101	2.199	2.309	Yes	0.074	2.35			
02729	2758	2757	8	108.94	0.009	0.038	0.038	Free Surface	1.489	0.125	0.033	0.083	0.087	1.097	1.125	No	0.083	1.489			
02730	2759	2758	8	44.21	0.019	0.013	0.013	Free Surface	1.419	0.061	0.007	0.041	0.05	1.505	1.69	Yes	0.062	0.764			
02731	2760	2758	8	47.93	0.025	0.013	0.013	Free Surface	1.544	0.058	0.007	0.039	0.05	1.687	1.909	Yes	0.061	0.785			
02732	2762	2761	8	331.75	0.005	0.54	0.54	Free Surface	2.643	0.567	0.615	0.378	0.345	0.838	0.877	No	0.378	2.643			
02733	2763	2439	8	213.43	0.008	0.017	0.017	Free Surface	1.122	0.089	0.016	0.059	0.059	0.988	1.056	Yes	0.066	0.959			
02734	2764	2763	8	323.56	0.005	0.013	0.013	Free Surface	0.911	0.084	0.014	0.056	0.051	0.824	0.886	Yes	0.057	0.875			
02735	2765	2764	8	183.57	0.006	0.009	0.009	Free Surface	0.833	0.068	0.009	0.045	0.041	0.84	0.929	Yes	0.051	0.705			
02736	2766	2765	8	399.9	0.005	0.004	0.004	Free Surface	0.649	0.05	0.005	0.033	0.029	0.762	0.88	Yes	0.039	0.511			
02737	2767	2435	8	186.38	0.007	0.017	0.017	Free Surface	1.078	0.091	0.017	0.061	0.059	0.936	0.996	No	0.06	1.078			
02738	2768	2767	8	153.52	0.015	0.004	0.004	Free Surface	0.93	0.039	0.003	0.026	0.029	1.234	1.477	Yes	0.043	0.441			
02739	2769	2767	8	273.95	0.006	0.009	0.009	Free Surface	0.857	0.066	0.009	0.044	0.041	0.872	0.968	Yes	0.052	0.667			
02740	2770	2769	8	101.81	0.011	0.004	0.004	Free Surface	0.846	0.042	0.003	0.028	0.029	1.086	1.288	Yes	0.036	0.579			
02741	2771	2434	8	164.86	0.012	0.013	0.013	Free Surface	1.214	0.069	0.01	0.046	0.051	1.212	1.338	Yes	0.048	1.128			
02742	2772	2771	8	165.48	0.006	0.009	0.009	Free Surface	0.86	0.066	0.009	0.044	0.041	0.877	0.974	Yes	0.045	0.834			
02743	2773	2772	8	172.5	0.011	0.004	0.004	Free Surface	0.841	0.042	0.003	0.028	0.029	1.079	1.278	Yes	0.036	0.579			
02745	2775	2774	8	322.4	0.006	0.004	0.004	Free Surface	0.67	0.049	0.005	0.033	0.029	0.794	0.92	Yes	0.465	0.016			
02746	2776	2713	8	188.94	0.015	0.004	0.004	Free Surface	0.939	0.039	0.003	0.026	0.029	1.249	1.496	Yes	0.667	0.012			
02747	2778	2713	10	252.64	0.006	0.027	0.027	Pressurized	1.159	0.088	0.016	0.073	0.07	0.915	1.71	Yes	0.833	0.05			
02748	2777	2778	8	186.51	0.014	0.004	0.004	Free Surface	0.904	0.04	0.003	0.027	0.029	1.187	1.417	Yes	0.657	0.012			
02749	2779	2778	10	237.83	0.004	0.017	0.017	Free Surface	0.85	0.079	0.013	0.066	0.055	0.709	1.344	Yes	0.833	0.031			
02750	2780	2779	8	184.13	0.016	0.004	0.004	Free Surface	0.955	0.039	0.003	0.026	0.029	1.278	1.534	Yes	0.212	0.045			
02751	2781	2782	8	224.91	0.014	0.003	0.003	Free Surface	0.826	0.035	0.002	0.023	0.025	1.163	1.418	Yes	0.026	0.709			
02752	2782	2783	8	99.27	0.02	0.006	0.006	Free Surface	1.172	0.044	0.004	0.029	0.036	1.47	1.73	Yes	0.036	0.855			
02753	2783	2784	8	259.66	0.013	0.01	0.01	Free Surface	1.143	0.059	0.007	0.039	0.044	1.237	1.396	No	0.039	1.143			
02754	2784	1,992.00	8	137	0.017	0.013	0.013	Free Surface	1.355	0.064	0.008	0.043	0.051	1.409	1.573	Yes	0.059	0.833			
02755	1992	2785	8	91.56	0.033	0.06	0.06	Free Surface	2.751	0.114	0.027	0.076	0.111	2.131	2.209	No	0.076	2.751			
02756	2785	2540	8	104.85	0.061	0.063	0.063	Free Surface	3.444	0.101	0.021	0.067	0.114	2.835	2.98	Yes	0.08	2.843			
02757	2540	2539	8	233.11	0.041	0.079	0.079	Free Surface	3.216	0.123	0.032	0.082	0.128	2.39	2.455	Yes	0.131	1.642			
02758	2786	2787	8	184.21	0.007	0.003	0.003	Free Surface	0.659	0.041	0.003	0.027	0.025	0.859	1.023	Yes	0.034	0.463			
02759	2787	2788	8	82.08	0.007	0.006	0.006	Free Surface	0.808	0.057	0.006	0.038	0.036	0.893	1.013	Yes	0.045	0.629			
02760	2788	2789	8	235.74	0.006	0.01	0.01	Free Surface	0.858	0.071	0.01	0.048	0.044	0.842	0.926	Yes	0.05	0.799			
02761	2789	2540	8	248.26	0.005	0.013	0.013	Free Surface	0.893	0.085	0.015	0.056	0.051	0.804	0.865	Yes	0.071	0.633			
02762	1002	999	12	355.14	0.002	0.019	0.019	Free Surface	0.708	0.074	0.011	0.074	0.055	0.555	1.672	Yes	0.155	0.242			
02763	999	3087	6	187.35	0.001	0.037	0.037	Free Surface	0.748	0.302	0.199	0.151	0.094	0.399	0.188	Yes	0.34	0.266			
02764	2794	2793	8	251.38	0.015	0.004	0.004	Free Surface	0.942	0.039	0.003	0.026	0.029	1.255	1.504	Yes	0.028	0.84			
02765	2793	2779	8	254.65	0.019	0.009	0.009	Free Surface	1.255	0.051	0.005	0.034	0.041	1.456	1.676	Yes	0.216	0.087			
02766	2790	2713	8	267.54	0.012	0.004	0.004	Free Surface	0.876	0.041	0.003	0.027	0.029	1.138	1.354	Yes	0.667	0.012			
02767	2792	2778	10	430.04	0.002	0.002	0.002	Free Surface	0.316	0.032	0.002	0.027	0.017	0.417	0.899	Yes	0.83	0.003			
02768	2792	2791	10	367.87	0.004	0.003	0.003	Free Surface	0.495	0.032	0.002	0.027	0.022	0.652	1.407	Yes	0.833	0.005			
02769	2791	2709	10	361.36	0.004	0.007	0.007	Pressurized	0.657	0.051	0.005	0.042	0.035	0.686	1.382	Yes	0.833	0.013			
02770	2798	2796	8	219.29	0.015	5.988	5.988	Pressurized	17.154	1	4.098	0.667	0.567	3.702	1.461	Yes	0.667	17.154	11.42	12	2
02771	2799	2798	8	216.24	0.016	0.007	0.007	Pressurized	1.131	0.05	0.005	0.033	0.039	1.329	1.536	Yes	0.667	0.021			
02772	2800	2799	8	394.47	0.006	0.004	0.004	Pressurized	0.661	0.045	0.004	0.03	0.027	0.819	0.96	Yes	0.667	0.011			
02773	2801	2798	8	261.88	0.005	0.018	0.018	Pressurized	0.985	0.102	0.022	0.068	0.061	0.805	0.845	Yes	0.667	0.053			
02774	2802	2801	8	393.51	0.008	0.015	0.015	Pressurized	1.073	0.083	0.014	0.055	0.055	0.977	1.053	Yes	0.667	0.042			
02775	2803	2802	8	395.44	0.001	0.011	0.011	Pressurized	0.486	0.117	0.029	0.078	0.047	0.371	0.383	Yes	0.667	0.032			
02776	2804	2798	8	263.13	0.008	5.958	5.958	Pressurized	17.069	1	5.539	0.667	0.492	3.684	1.076	Yes	0.667	17.069	12.82	15	2
02777	2805	2804	8	281.9	0.013	0.004	0.004	Pressurized	0.852	0.038	0.003	0.025	0.027	1.151	1.385	Yes	0.667	0.011			
02778	2806	2804	8	316.65	0.008	5.951	5.951	Pressurized	17.048	1	5.376	0.667	0.499	3.68	1.107	Yes	0.667	17.048	12.81	15	2
02779	2796	2795	8	382.22	0.003	8.183	8.183	Pressurized	23.443	1	11.537	0.667	0.398	5.06	0.709	Yes	0.667	23.443	17.35	18	2
02780	2797	2796	8	357.88	0.004	2.191	2.191	Pressurized	6.278	1	3.036	0.667	0.401	1.355	0.722	Yes	0.667	6.278	10.03	12	2
02783	1106	2807	8	320.23	0.009	0.011	0.011	Free Surface	1.061	0.068	0.009	0.046	0.047	1.064	1.176	No	0.046	1.061			
02784	2807	1107	8	129.69	0.124	0.022	0.022	Free Surface	3.217	0.052	0.005	0.034	0.067	3.718	4.275	Yes	0.04	2.561			
02785	2808	2,809.00	12	67.24	0.009	2.22	2.22	Free Surface	4.657	0.584	0.645	0.584	0.637	1.18	3.441	No	0.584	4.657			
02786	2809	1702	12	276.99	0.058	2.231	2.231	Free Surface	9.186	0.348	0.26	0.348	0.639	3.206	8.587	Yes	1	2.841			
02787	1107	2808	8	72.69	0.108	0.033	0.033	Free Surface	3.461	0.065	0.008	0.043	0.082	3.571	3.978	Yes	0.316	0.203			
02788	2813	2812	8	101.01	0.013	0.011	0.011	Pressurized	1.2	0.063	0.008	0.042	0.047	1.256	1.404	Yes	0.667	0.032			
02789	2812	2811	8	137.61	0.007	0.022	0.022	Pressurized	1.204	0.101	0.021	0.067	0.067	0.992	1.043	Yes	0.667	0.063			
02790	2811	2810	8	116.09	0.065	0.033	0.033	Free Surface	2.9	0.073	0.011	0.049	0.082	2.817	3.086	Yes	0.073	1.607			
02791	2810	1663	8	150.64	0.029	0.088	0.088	Free Surface	2.957	0.141	0.042	0.094	0.135	2.052	2.079	No	0.094	2.957			
02792	991	1662	8	68.4	0.021	0.011	0.011	Free Surface	1.407	0.057	0.006	0.038	0.047	1.554	1.764	Yes	0.051	0.891			
02793	2816	1160	8	400.67	0.01	0.132	0.132	Free Surface	2.281	0.223	0.109	0.149	0.166	1.242	1.214	Yes	0.166	1.946			
02794	2817	1659	12	255.62	0.018	2.92	2.92	Free Surface	6.375	0.566	0.613	0.566	0.733	1.653	4.767	Yes	0.592	6.027			
02795	2814	2815	8	154.81	0.01	0.055	0.055	Free Surface	1.74	0.146	0.046	0.098	0.106	1.182	1.193	No	0.098	1.74			
02796	2815	607	8	227.78	0.022	0.066	0.066	Free Surface	2.458	0.131	0.037	0.087	0.117	1.77	1.806	Yes	0.294	0.447			
02797	2818	610	8	263.17	0.012	0.015	0.015	Free Surface	1.288	0.075	0.011	0.05	0.056	1.235	1.348	Yes	0.062	0.944			
02799	1110	2,819.00	8	215.01	0.005	5.257	5.257	Pressurized	15.061	1	6.122	0.667	0.439	3.251	0.859	Yes	0.67	15.061	17.32	18	1
02800	1119	1143	8	84.71	0.114	5.266	5.266	Pressurized	15.087	1	1.287	0.667	0.664	3.256	4.093	Yes	0.667	15.087	9.64	10	1
02801	1120	1,122.00	21	401.02	0.002	12.693	12.693	Pressurized	5.277	1	1.673	1.75	1.02	0.703	7.585	Yes	1.75	5.277	22.08	24	2
02802	1122	2820	21	307.06	0.003	12.698	12.698	Pressurized	5.279	1	1.519	1.75	1.073	0.703	8.359	Yes	1.75	5.279	20.46	21	2
02804	2821	2822	8	96.4	0.04	0.008	0.008	Free Surface	1.57	0.041	0.003	0.028	0.039	2.03	2.412	Yes	0.039	0.958			
02805	2822	2,824.00	8	92.68	0.012	0.015	0.015	Free Surface	1.287	0.076	0.012	0.05	0.056	1.228	1.339	No	0.05	1.287			
02807	2824	2823	8	67.73	0.104	0.023	0.023	Free Surface	3.071	0.055	0.006	0.037	0.069	3.433	3.911	Yes	0.04	2.563			
02811	2826	843	8	172.26	0.043	0.011	0.011	Free Surface	1.796	0.048	0.004	0.032	0.047	2.161	2.514	Yes	0.075	0.509			
02812	2831	2830	8	206.39	0.015	0.004	0.004	Free Surface	0.881	0.037	0.002	0.025	0.027	1.21	1.463	Yes	0.03	0.584	Changed slope from 0		
02813	2830	2829	8	63.75	0.008	0.007	0.007	Free Surface	0.881	0.059	0.007	0.039	0.038	0.956	1.079	No	0.04	0.881			
02814	2829	2828	8	53.44	0.012	0.011	0.011	Free Surface	1.153	0.064	0.008	0.043	0.047	1.194	1.331	No	0.043	1.153			

02815	2828	2827	8	243.73	0.018	0.015	0.015	Free Surface	1.439	0.067	0.009	0.045	0.054	1.457	1.614	Yes	0.667	0.042			
02816	2827	2057	8	128.06	0.043	0.018	0.018	Pressurized	2.097	0.061	0.007	0.04	0.061	2.237	2.515	Yes	0.667	0.052			
02818	2832	362.00	8	183.88	0.046	0.644	0.644	Free Surface	6.179	0.339	0.248	0.226	0.378	2.68	2.602	Yes	0.34	3.571			
02820	2833	342	8	130.72	0.014	0.062	0.062	Pressurized	2.07	0.141	0.043	0.094	0.113	1.433	1.451	Yes	0.667	0.179			
02822	2834	340	8	255.11	0.015	2.442	2.442	Pressurized	6.997	1	1.663	0.667	0.568	1.51	1.469	Yes	0.67	6.997	8.15	10	2
02828	1076	1075	8	242.34	0.007	0.011	0.011	Free Surface	0.941	0.074	0.011	0.05	0.047	0.906	0.99	Yes	0.054	0.825			
02831	965	966	8	123.8	0.021	0.055	0.055	Free Surface	2.288	0.121	0.031	0.081	0.106	1.716	1.766	Yes	0.1	1.676			
02832	966	993.00	8	230.77	0.006	0.066	0.066	Free Surface	1.56	0.179	0.07	0.119	0.116	0.955	0.947	No	0.119	1.56			
02833	993	994	8	199.65	0.028	0.077	0.077	Free Surface	2.779	0.133	0.038	0.089	0.126	1.982	2.018	No	0.089	2.779			
02834	2840	2839	8	216.29	0.019	0.008	0.008	Free Surface	1.24	0.05	0.005	0.034	0.04	1.454	1.678	Yes	0.053	0.638			
02835	2839	2838	8	244.66	0.003	0.016	0.016	Free Surface	0.811	0.107	0.024	0.071	0.057	0.647	0.675	Yes	0.073	0.794			
02836	2838	2837	8	328.84	0.006	0.024	0.024	Free Surface	1.167	0.11	0.026	0.074	0.07	0.918	0.954	No	0.074	1.167			
02837	2837	2836	8	258.11	0.02	0.033	0.033	Free Surface	1.914	0.096	0.019	0.064	0.081	1.618	1.711	Yes	0.079	1.397			
02838	2836	2835	8	232.11	0.006	0.041	0.041	Free Surface	1.35	0.142	0.043	0.094	0.091	0.933	0.944	Yes	0.096	1.326			
02839	2835	2484	8	106.35	0.008	0.049	0.049	Free Surface	1.563	0.145	0.045	0.097	0.1	1.066	1.077	No	0.097	1.563			
02840	2843	2842	8	313.87	0.011	0.007	0.007	Free Surface	0.943	0.052	0.005	0.035	0.036	1.084	1.245	Yes	0.049	0.575			
02841	2842	40	8	102.21	0.009	0.02	0.02	Free Surface	1.253	0.091	0.017	0.06	0.063	1.089	1.16	Yes	0.061	1.226			
02842	2841	2842	8	118.69	0.014	0.007	0.007	Free Surface	1.032	0.049	0.005	0.033	0.036	1.223	1.416	Yes	0.048	0.594			
02843	253	2844	8	134.71	0.01	0.425	0.425	Free Surface	3.126	0.413	0.357	0.275	0.304	1.21	1.191	Yes	0.3	2.792			
02844	2844	2845	8	29.99	0.006	0.438	0.438	Free Surface	2.614	0.484	0.473	0.323	0.309	0.919	0.926	No	0.323	2.614			
02845	2846	2060	8	62.99	0.064	0.004	0.004	Pressurized	1.468	0.026	0.001	0.017	0.027	2.395	3.053	Yes	0.67	0.01			
02846	2847	2848	8	169.86	0.017	0.008	0.008	Free Surface	1.168	0.051	0.005	0.034	0.039	1.367	1.577	Yes	0.041	0.875			
02847	2848	56	8	18.44	0.042	0.031	0.031	Free Surface	2.443	0.078	0.012	0.052	0.079	2.288	2.484	Yes	0.06	1.993			
02850	447	292.00	8	18.78	0.071	3.275	3.275	Pressurized	9.383	1	1.016	0.667	0.66	2.025	3.224	Yes	0.67	9.383	6.80	8	2
02851	8	2,849.00	8	399.87	0.003	3.169	3.169	Pressurized	9.077	1	4.626	0.667	0.39	1.959	0.685	Yes	0.67	9.077	12.16	15	2
02855	197	199	8	143.95	0.049	0.013	0.013	Free Surface	1.959	0.049	0.005	0.033	0.05	2.322	2.689	Yes	0.168	0.182			
02857	2850	511	8	188.07	0.076	0.01	0.01	Free Surface	2.146	0.041	0.003	0.027	0.046	2.801	3.336	Yes	0.044	1.042			
02858	2851	133.00	10	448.54	0.027	0.005	0.005	Free Surface	1.136	0.027	0.001	0.022	0.029	1.631	3.613	Yes	0.024	1.049			
02859	2852	131	10	38.7	0.004	0.005	0.005	Free Surface	0.573	0.043	0.003	0.036	0.029	0.653	1.348	Yes	0.064	0.241			
02860	2853	142.00	18	459.25	0.008	10.428	10.428	Pressurized	5.901	1	1.126	1.5	1.176	0.849	9.26	Yes	1.5	5.901	15.81	18	2
02861	198	2853	18	461.22	0.007	10.417	10.417	Pressurized	5.895	1	1.156	1.5	1.162	0.848	9.014	Yes	1.5	5.895	16.21	18	2
02862	2854	144	8	317.57	0.034	0.009	0.009	Free Surface	1.578	0.047	0.004	0.031	0.043	1.924	2.247	Yes	0.062	0.572			
02863	2861	144	8	148.3	0.027	0.009	0.009	Free Surface	1.458	0.049	0.005	0.033	0.043	1.73	2.005	Yes	0.061	0.581			
02864	544	545	10	22	0.102	0.084	0.084	Free Surface	4.368	0.077	0.012	0.064	0.124	3.692	7.018	Yes	0.075	3.448			
02868	2856	2857	8	298.47	0.004	0.035	0.035	Free Surface	1.133	0.144	0.045	0.096	0.085	0.776	0.783	No	0.096	1.133			
02869	2855	2856	8	345.5	0.034	0.016	0.016	Free Surface	1.838	0.06	0.007	0.04	0.056	1.974	2.223	Yes	0.069	0.818			
02870	2858	193	12	268.01	0.01	0.654	0.654	Pressurized	3.414	0.293	0.187	0.293	0.337	1.311	3.5	Yes	1	0.833			
02871	53	2858	12	153.03	0.005	0.643	0.643	Pressurized	2.598	0.353	0.267	0.353	0.334	0.9	2.411	Yes	1	0.818			
02872	2859	1154	8	283.64	0.016	0.01	0.01	Free Surface	1.24	0.058	0.006	0.038	0.045	1.358	1.537	Yes	0.039	1.202			
02873	1718	2875	15	85.2	0.01	3.791	3.791	Free Surface	5.407	0.556	0.596	0.695	0.787	1.268	6.358	No	0.695	5.407			
02874	1152	1153	15	23.65	0.137	3.821	3.821	Pressurized	14.297	0.27	0.159	0.337	0.79	5.134	23.973	Yes	1.25	3.113			
02875	2864	1381	8	223.45	0.104	0.012	0.012	Free Surface	2.481	0.04	0.003	0.027	0.048	3.271	3.907	Yes	0.032	1.861			
02876	2863	2864	8	32.45	0.049	0.006	0.006	Free Surface	1.543	0.034	0.002	0.023	0.034	2.19	2.675	Yes	0.026	1.299			
02877	1659	2865	12	183.87	0.014	2.942	2.942	Free Surface	5.783	0.617	0.701	0.617	0.735	1.409	4.196	Yes	0.658	5.369			
02881	2866	2344	8	122.42	0.024	0.057	0.057	Free Surface	2.431	0.119	0.03	0.08	0.108	1.837	1.894	Yes	0.083	2.295			
02882	2867	2866	8	165.89	0.01	0.006	0.006	Free Surface	0.881	0.05	0.005	0.033	0.034	1.038	1.2	Yes	0.055	0.414			
02883	2868	2866	8	73.25	0.031	0.046	0.046	Free Surface	2.474	0.101	0.021	0.067	0.097	2.034	2.137	Yes	0.072	2.227			
02884	3042	2868	8	349.97	0.02	0.04	0.04	Free Surface	2.025	0.106	0.024	0.071	0.09	1.626	1.699	No	0.071	2.025			
02885	2869	2331	8	316.67	0.024	0.011	0.011	Free Surface	1.483	0.056	0.006	0.037	0.048	1.648	1.873	Yes	0.065	0.66			
02886	2870	2869	8	156.08	0.023	0.006	0.006	Free Surface	1.188	0.041	0.003	0.027	0.034	1.549	1.845	Yes	0.031	0.965			
02887	2871	800	8	326.45	0.039	0.023	0.023	Free Surface	2.16	0.069	0.01	0.046	0.068	2.157	2.381	Yes	0.049	1.988			
02888	2877	500	8	14.11	0.007	0.016	0.016	Free Surface	1.082	0.088	0.016	0.059	0.057	0.954	1.02	Yes	0.065	0.938			
02889	2879	2878	8	52.08	0.013	0.037	0.037	Free Surface	1.73	0.112	0.026	0.075	0.087	1.351	1.403	No	0.075	1.73			
02890	2878	1607	8	37.05	0.283	0.042	0.042	Free Surface	5.194	0.057	0.006	0.038	0.092	5.694	6.45	Yes	0.667	0.119			
02892	2881	2880	8	67.24	0.014	0.019	0.019	Free Surface	1.419	0.08	0.013	0.053	0.061	1.317	1.426	No	0.053	1.419			
02893	1162	2881	8	120.79	0.067	0.014	0.014	Free Surface	2.256	0.048	0.004	0.032	0.053	2.706	3.144	Yes	0.541	0.046			
02894	1740	1,431.00	12	75.93	0.004	1.748	1.748	Pressurized	3.16	0.663	0.778	0.663	0.562	0.728	2.245	Yes	1	2.226			
02895	1741	1740	12	30.16	0.013	1.743	1.743	Pressurized	4.974	0.458	0.429	0.458	0.562	1.478	4.062	Yes	1	2.219			
02897	2882	1766	8	275.08	0.062	0.008	0.008	Free Surface	1.875	0.038	0.003	0.026	0.041	2.516	3.022	Yes	0.044	0.848			
02898	2883	1403	8	194.58	0.058	0.006	0.006	Free Surface	1.641	0.033	0.002	0.022	0.034	2.378	2.923	Yes	0.025	1.378			
02899	882	888	8	162.15	0.058	0.012	0.012	Free Surface	2.028	0.046	0.004	0.03	0.048	2.496	2.922	Yes	0.667	0.033			
02900	2872	2873	8	132.84	0.017	0.019	0.019	Free Surface	1.524	0.077	0.012	0.051	0.062	1.443	1.571	Yes	0.069	0.971			
02901	2873	2874	8	123.2	0.008	0.037	0.037	Free Surface	1.449	0.127	0.035	0.085	0.087	1.059	1.084	Yes	0.112	0.97			
02902	2874	981	8	103.99	0.002	0.056	0.056	Free Surface	1.024	0.214	0.101	0.143	0.107	0.57	0.558	No	0.143	1.024			
02903	981	984.00	8	241.59	0.006	0.075	0.075	Free Surface	1.643	0.188	0.078	0.126	0.124	0.979	0.967	No	0.126	1.643			
02904	984	985	8	184.86	0.023	0.112	0.112	Free Surface	2.903	0.168	0.061	0.112	0.153	1.836	1.829	Yes	0.138	2.144			
02907	2876	1152	15	153.09	0.03	3.811	3.811	Free Surface	8.282	0.401	0.339	0.501	0.789	2.382	11.249	Yes	1.25	3.105			
02908	2886	2885	8	109.76	0.042	0.075	0.075	Free Surface	3.196	0.119	0.03	0.079	0.124	2.418	2.494	No	0.079	3.196			
02909	2885	1294	8	78.49	0.066	0.078	0.078	Free Surface	3.783	0.109	0.025	0.072	0.127	2.998	3.124	Yes	0.102	2.29			
02910	662	2887	10	13.24	0.104	6.897	6.897	Pressurized	14.777	0.798	0.975	0.665	0.83	3.117	7.072	Yes	0.833	12.646	10.86	12	1
02911	2893	2,894.00	10	376.82	0.028	6.93	6.93	Pressurized	12.706	1	1.874	0.833	0.792	2.453	3.698	Yes	0.83	12.706	13.91	15	1
02912	2887	2,888.00	10	246.83	0.044	6.902	6.902	Pressurized	12.655	1	1.505	0.833	0.815	2.443	4.586	Yes	0.83	12.655	12.76	15	1
02913	2888	2,889.00	10	319.41	0.043	6.907	6.907	Pressurized	12.663	1	1.52	0.833	0.814	2.445	4.543	Yes	0.83	12.663	12.82	15	1
02914	2889	2,890.00	10	384.38	0.038	6.911	6.911	Pressurized	12.672	1	1.604	0.833	0.81	2.446	4.308	Yes	0.833	12.672	13.12	15	1
02915	2890	2,891.00	10	357.24	0.03	6.916	6.916	Pressurized	12.68	1	1.81	0.833	0.797	2.448	3.822	Yes	0.83	12.68	13.72	15	1
02916	2891	2892	10	157.12	0.022	6.921	6.921	Pressurized	12.689	1	2.119	0.833	0.77	2.45	3.266	Yes	0.833	12.689	14.55	15	1
02917	2892	2,893.00	10	310.29	0.027	6.925	6.925	Pressurized	12.697	1	1.936	0.833	0.787	2.451	3.576	Yes	0.83	12.697	14.00	15	1
02918	2894	2,895.00	10	243.73	0.03	6.934	6.934	Pressurized	12.714	1	1.823	0.833	0.796	2.454	3.804	Yes	0.83	12.714	13.73	15	1
02919	2895	2554	15	76.97	0.042	12.573	12.573	Pressurized	12.372	0.772	0.942	0.965	1.222	2.215	13.35	Yes	1.25	10.245	12.43	15	2
02920	2896	2897	8	181.69	0.005	0.005	0.005	Pressurized	0.671	0.052	0.005	0.035	0.03	0.775	0.89	Yes	0.667	0.013			
02921	2897	2551	8	67.22	0.006	0.009	0.009	Pressurized	0.864	0.07	0.01	0.047	0.043	0.858	0.946	Yes	0.667	0.027			
02922	2900	2751	8	232.19	0.075	0.003	0.003	Free Surface	1.488	0.024	0.001	0.016	0.025	2.556	3.31	Yes	0.021	0.968			
02923	2898	2534	8	270.86	0.006	0.006	0.006	Free Surface	0.782	0.058	0.007	0.039	0.036	0.853	0.965	Yes	0.087	0.237			
02924	2899	2898	8	88.21	0.008	0.003	0.003	Free Surface	0.673	0.04	0.003	0.027	0.025	0.885	1.056	Yes	0.033	0.5			
02925	1721	2909	8	148.58	0.009	0.032	0.032	Free Surface	1.473	0.114	0.027	0.076	0.081	1.139	1.18	No	0.076	1.473			
02926	2909	2545	8	51.26	0.032	0.037	0.037	Free Surface	2.349	0.091	0.017	0.061	0.087	2.041	2.174	Yes	0.067	2.022			
02927	2901	2902	8	263.19	0.026	0.009	0.009	Free Surface	1.423	0.05	0.005	0.033	0.043	1.675	1.936	Yes	0.039	1.134			
02928	2902	2903	8	331.25	0.017	0.014	0.014	Free Surface	1.397	0.066	0.009	0.044	0.053	1.423	1.58	Yes	0.053	1.07			
02929	2903	2904	8	272.79	0.007	0.019	0.019	Free Surface	1.139	0.093	0.018	0.062	0.061	0.979	1.04	Yes	0.158	0.292			
02930	2906	2905	8	342.8	0.008	0.005	0.005	Free Surface	0.764	0.048	0.004	0.032	0.03	0.922	1.073	Yes	0.15	0.08			
02931	2905	2,904.00	10	308.38	0.03	0.841	0.841	Free Surface	5.629	0.318	0.22	0.265	0.406	2.261	3.829	No	0.265	5.629			
02932	2904	2907	10	241.49	0.037	0.864	0.864	Free Surface	6.115	0.306	0.203	0.255	0.411	2.512	4.253	Yes	0.833	1.584			
02933	2907	2908	10	250.45	0.011	0.883	0.883	Pressurized	3.998	0.425	0.376	0.354	0.416	1.361	2.348	Yes	0.833	1.618			
02934	2908	1116	10	187.37	0.005	0.887	0.887	Pressurized	2.898	0.548	0.583	0.457	0.417	0.84	1.523	Yes	0.833	1.627			
02935	2910	2901	8	243.49	0.023	0.005	0.005	Free Surface	1.106	0.037	0.003	0.025	0.03	1.512	1.826	Yes	0.029	0.872			
02936	2914	2913	8	217.77	0.007	0.006	0.006	Free Surface	0.763	0.054	0.006	0.036	0.033	0.865	0.989	Yes	0.045	0.546			
02937	2913	2912	8	222.22	0.005	0.011	0.011	Free Surface	0.831	0.081	0.013	0.054	0.047	0.765	0.827	Yes	0.06	0.711			
02940	1252	2915	8	119.01	0.01	0.002	0.002	Free Surface	0.655	0.031	0.002	0.02	0.02	0.988	1.229	Yes	0.031	0.342			
02941	2916	1699	12	64.31	0.057	2.154	2.154	Free Surface	9.064	0.342	0.252	0.342	0.627	3.192	8.544	Yes	0.344	9.007			
02942	1215	2,917.00	12	450.07	0.004	2.517	2.517	Pressurized	3.204	1	1.099	1	0.647	0.565	2.29	No	1.00	3.204	10.57	12	2
02943	1449	1448	8	300.3	0.005	0.024	0.024	Free Surface	1.094	0.113	0.027	0.075	0.069	0.85	0.882	Yes	0.667	0.068			
02946	1207	2919	8	181.57	0.009	0.004	0.004	Free Surface	0.764	0.044	0.004	0.029	0.029	0.961	1.132	Yes	0.034	0.609			
02947	2919	1549	8	402.72	0.003	0.006	0.006	Free Surface	0.628	0.066	0.009	0.044	0.035	0.642	0.714	Yes	0.062	0.372			
02948	1920	2920	8	325.23	0.007	1.024	1.024	Free Surface	3.4	0.806	0.984	0.537	0.48	0.793	1.041	Yes	0.539	3.391	6.79	8	2
02949	1617	2921	8	399.33	0.004	0.621	0.621	Free Surface	2.419	0.689	0.82	0.459	0.371	0.661	0.757	No	0.459	2.419	6.25	8	2
02955	30	27	8	105.69	0.029	0.013	0.013	Pressurized	1.654	0.057	0.006	0.038	0.051	1.818	2.061	Yes	0.667	0.038			
02956	2795	2,934.00	8	318.45	0.004	8.187	8.187	Pressurized	23.453	1	10.37	0.667	0.42	5.062	0.789	Yes	0.67	23.453	16.45	18	2
02957	2934	2933	8	308.76	0.004	8.19	8.19	Pressurized	23.464	1	11.165	0.667	0.405	5.064	0.734	Yes	0.667	23.464	16.45	18	2
02958	2933	2,932.00	8	400.92	0.004	8.194	8.194	Pressurized	23.475	1	10.254	0.667	0.423	5.067	0.799	Yes	0.667	23.475	16.45	18	2
02959	2931	2,930.00	8	394.79	0.007	8.457	8.457	Pressurized	24.227	1	8.295	0.667	0.479	5.229	1.019	Yes	0.67	24.227	14.99	15	2
02960	2930	2,929.00	8	251.29	0.008	8.46	8.46	Pressurized	24.237	1	7.8	0.667	0.494	5.231	1.085	Yes	0.67	24.237	14.62	15	2
02961	2929	2928	8	249.15	0.008	8.464	8.464	Pressurized	24.248	1	7.825	0.667	0.493	5.233	1.082	Yes	0.667	24.248	14.62	15	2
02962	2928	2,927.00	8	395.36	0.011	8.468	8.468	Pressurized	24.258	1	6.524	0.667	0.538	5.236	1.298	Yes	0.667	24.258	13.78	15	2
02963	2927	2926	8	393.15	0.01	8.471	8.471	Pressurized	24.269	1	7.087	0.667	0.518	5.238	1.195	Yes	0.667	24.269	14.03	15	2
02964	2926	2925	8	395.37	0.011	8.475	8.475	Pressurized	24.28	1	6.72	0.667	0.531	5.24	1.261	Yes	0.667	24.28	13.78	15	2
02965	2925	2924	8	395.47	0.01	8.479	8.479	Pressurized	24.29	1	7.132	0.667	0.517	5.243	1.189	Yes	0.667	24.29	14.03	15	2
02966	12	13	8	299.15	0.025	0.007	0.007	Free Surface	1.276	0.043	0.003	0.028	0.036	1.625	1.922	Yes	0.037	0.85			
02967	13	14	8	194.35	0.025	0.02	0.02	Free Surface	1.783	0.071	0.01	0.048	0.063	1.75	1.924	Yes	0.063	1.174			
02968	16	17	8	175.25	0.012	0.046	0.046	Free Surface	1.796	0.127	0.034	0.084	0.097	1.316	1.348	Yes	0.667	0.132			
02969	11	10	8	224.22	0.027	2.932	2.932	Pressurized	8.399	1	1.478	0.667	0.625	1.813	1.984	Yes	0.667	8.399	7.82	8	2
02970	21	22	8	207.84	0.009	0.085	0.085	Pressurized	1.966	0.182	0.072	0.121	0.133	1.192	1.18	Yes	0.667	0.245			
02971	22	23	8	107.09	0.018	3.07	3.07	Pressurized	8.795	1	1.881	0.667	0.591	1.898	1.632	Yes	0.667	8.795	8.59	10	2
02972	25	22	8	198.57	0.006	2.978	2.978	Pressurized	8.531	1	3.188	0.667	0.458	1.841	0.934	Yes	0.67	8.531	10.43	12	2
02973	26	25	8	300	0.017	2.971	2.971	Pressurized	8.512	1	1.872	0.667	0.585	1.837	1.587	Yes	0.67	8.512	8.57	10	2
02974	10	28	8	81.09	0.025	2.938	2.938	Pressurized	8.418	1	1.54	0.667	0.619	1.817	1.907	Yes	0.67	8.418	7.94	8	2
02975	28	27	8	66.18	0.012	2.945	2.945	Pressurized	8.437	1	2.24	0.667	0.541	1.821	1.315	Yes	0.667	8.437	9.12	10	2
02976	31	21	8	159.69	0.01	0.026	0.026	Pressurized	1.413	0.102	0.022	0.068	0.073	1.158	1.217	Yes	0.667	0.075			

02977	32	31	8	130	0.022	0.02	0.02	Free Surface	1.696	0.074	0.011	0.049	0.063	1.637	1.791	Yes	0.665	0.057			
02978	38	37	8	289.18	0.008	0.066	0.066	Pressurized	1.723	0.166	0.06	0.111	0.116	1.095	1.092	Yes	0.667	0.188			
02979	41	39	8	131.87	0.019	0.033	0.033	Free Surface	1.884	0.097	0.02	0.065	0.082	1.58	1.668	Yes	0.067	1.781			
02980	40	41	8	91.35	0.011	0.026	0.026	Free Surface	1.47	0.099	0.02	0.066	0.073	1.222	1.287	No	0.066	1.47			
02981	39	49	8	181.6	0.019	0.039	0.039	Free Surface	1.999	0.106	0.024	0.071	0.09	1.606	1.679	Yes	0.076	1.798			
02982	50	38	8	111.09	0.012	0.053	0.053	Free Surface	1.843	0.136	0.04	0.091	0.104	1.3	1.321	Yes	0.519	0.181			
02983	2924	2935	8	394.98	0.011	8.483	8.483	Pressurized	24.301	1	6.757	0.667	0.53	5.245	1.255	Yes	0.667	24.301	13.79	15	2
02984	2935	2936	8	230.1	0.014	9.126	9.126	Pressurized	26.143	1	6.309	0.667	0.564	5.643	1.447	Yes	0.667	26.143	13.54	15	2
02985	2936	2424	8	298.41	0.01	9.13	9.13	Pressurized	26.155	1	7.37	0.667	0.527	5.645	1.239	Yes	0.667	26.155	14.43	15	2
02986	2932	2931	8	366.84	0.013	8.453	8.453	Pressurized	24.216	1	6.212	0.667	0.55	5.227	1.361	Yes	0.667	24.216	13.34	15	2
02987	2938	2937	8	209.97	0.009	0.013	0.013	Free Surface	1.114	0.074	0.011	0.05	0.051	1.071	1.171	Yes	0.059	0.857			
02988	2937	2004	8	216.89	0.005	0.02	0.02	Free Surface	1.03	0.103	0.022	0.069	0.063	0.838	0.878	Yes	0.107	0.539			
02989	2940	2,939.00	8	196.03	0.008	0.013	0.013	Free Surface	1.072	0.076	0.012	0.051	0.051	1.017	1.108	Yes	0.06	0.848			
02990	2939	2005	8	399.43	0.005	0.02	0.02	Free Surface	1.039	0.103	0.022	0.068	0.063	0.847	0.889	Yes	0.094	0.658			
02991	2941	2003	8	208.05	0.006	0.033	0.033	Free Surface	1.255	0.128	0.035	0.085	0.082	0.914	0.935	Yes	0.133	0.659			
02992	2942	2731	8	63.75	0.044	0.006	0.006	Free Surface	1.477	0.035	0.002	0.023	0.034	2.077	2.53	Yes	0.025	1.326			
02994	2943	1296	8	247.92	0.005	0.045	0.045	Free Surface	1.327	0.154	0.051	0.103	0.096	0.878	0.882	Yes	0.13	0.945			
02995	2944	1273	8	71.45	0.019	0.003	0.003	Free Surface	0.894	0.031	0.002	0.021	0.024	1.337	1.658	Yes	0.029	0.537			
02997	2946	2408	10	447.49	0.003	1.416	1.416	Pressurized	2.596	1	1.144	0.833	0.497	0.501	1.237	Yes	0.83	2.596	8.99	10	2
02998	2945	2946	8	309.17	0.01	0.004	0.004	Pressurized	0.821	0.043	0.003	0.029	0.029	1.043	1.233	Yes	0.667	0.012			
02999	2953	2952	10	409.2	0.005	0.897	0.897	Pressurized	2.842	0.562	0.606	0.468	0.42	0.811	1.479	Yes	0.833	1.645			
03000	2952	2951	10	397.28	0.004	0.901	0.901	Pressurized	2.674	0.593	0.66	0.494	0.421	0.734	1.365	Yes	0.833	1.653			
03001	2951	2950	10	399.04	0.004	0.906	0.906	Pressurized	2.627	0.605	0.68	0.504	0.422	0.712	1.332	Yes	0.833	1.66			
03002	2954	2946	10	236.03	0.004	1.408	1.408	Pressurized	2.959	0.814	0.994	0.679	0.531	0.609	1.416	Yes	0.83	2.581	8.50	10	2
03003	2947	2703	8	232.08	0.008	0.004	0.004	Pressurized	0.735	0.046	0.004	0.031	0.029	0.9	1.052	Yes	0.67	0.012			
03004	2950	2700	10	350.35	0.007	1.267	1.267	Pressurized	3.574	0.619	0.704	0.516	0.503	0.952	1.799	Yes	0.833	2.323			
03005	2948	2949	10	315.58	0.004	0.004	0.004	Free Surface	0.582	0.04	0.003	0.033	0.028	0.685	1.428	Yes	0.833	0.008			
03006	2949	2703	10	273.48	0.014	0.009	0.009	Pressurized	1.079	0.042	0.003	0.035	0.039	1.238	2.562	Yes	0.83	0.016			
03007	2704	2954	10	265.98	0.005	1.403	1.403	Pressurized	3.126	0.767	0.936	0.639	0.53	0.69	1.5	Yes	0.83	2.573	8.14	10	2
03008	1705	2957	8	131.66	0.092	0.017	0.017	Free Surface	2.693	0.05	0.005	0.033	0.059	3.18	3.679	Yes	0.041	1.927			
03009	2955	1705	8	197.86	0.012	0.012	0.012	Free Surface	1.158	0.067	0.009	0.044	0.048	1.178	1.307	No	0.044	1.158			
03010	2956	2,955.00	8	47.70	0.135	0.006	0.006	Free Surface	2.199	0.027	0.001	0.018	0.034	3.517	4.456	Yes	0.03	0.909			
03011	2958	732	8	56.79	0.015	0.043	0.043	Free Surface	1.879	0.117	0.029	0.078	0.094	1.432	1.48	Yes	0.667	0.123			
03012	2959	890	8	31.72	0.042	0.023	0.023	Free Surface	2.222	0.068	0.009	0.045	0.068	2.234	2.472	Yes	0.205	0.252			
03013	2960	888	12	197.69	0.005	2.096	2.096	Pressurized	3.553	0.703	0.842	0.703	0.618	0.779	2.489	Yes	1.00	2.669	9.46	10	2
03014	887	2961	12	46.25	0.144	2.172	2.172	Free Surface	12.656	0.271	0.16	0.271	0.63	5.075	13.564	Yes	1	2.765			
03015	2962	884	8	32.21	0.006	0.139	0.139	Free Surface	1.879	0.265	0.153	0.177	0.17	0.933	0.906	Yes	0.349	0.752			
03016	2963	811	8	369.46	0.031	0.01	0.01	Free Surface	1.578	0.051	0.005	0.034	0.046	1.844	2.127	Yes	0.064	0.619			
03017	3037	2334	8	98.85	0.009	0.006	0.006	Free Surface	0.868	0.05	0.005	0.034	0.034	1.018	1.175	Yes	0.049	0.498			
03018	2964	2224	8	165.81	0.038	0.858	0.858	Free Surface	6.229	0.417	0.363	0.278	0.439	2.398	2.362	Yes	0.317	5.249			
03019	2243	667.00	10	156.60	0.055	1.241	1.241	Free Surface	7.795	0.333	0.24	0.278	0.497	3.052	5.175	Yes	0.833	2.275			
03020	2967	379	8	82.07	0.002	0.052	0.052	Free Surface	1.051	0.199	0.087	0.133	0.103	0.608	0.598	No	0.133	1.051			
03023	312	9000	12	51.06	0.031	1.883	1.883	Free Surface	7.003	0.375	0.299	0.375	0.585	2.342	6.298	No	0.375	7.003			
03027	2970	984	8	207.63	0.022	0.019	0.019	Free Surface	1.68	0.072	0.01	0.048	0.062	1.645	1.807	Yes	0.079	0.806			
03028	985	987	8	359.88	0.007	0.131	0.131	Free Surface	2.023	0.241	0.127	0.161	0.165	1.057	1.029	No	0.161	2.023			
03029	987	1714	8	202.93	0.024	0.15	0.15	Free Surface	3.207	0.192	0.08	0.128	0.177	1.894	1.867	Yes	0.308	0.951			
03033	2972	2911	6	381.46	0.029	0.006	0.006	Free Surface	1.341	0.056	0.006	0.028	0.037	1.724	0.955	Yes	0.5	0.029			
03034	2971	947	8	34.05	0.345	0.029	0.029	Free Surface	4.977	0.046	0.004	0.031	0.077	6.087	7.114	Yes	0.05	2.407			
03035	992	946	8	86.37	0.044	0.017	0.017	Free Surface	2.089	0.059	0.007	0.039	0.059	2.262	2.553	Yes	0.05	1.45			
03036	2974	992	8	125.25	0.02	0.006	0.006	Free Surface	1.139	0.042	0.003	0.028	0.034	1.459	1.728	Yes	0.03	0.944			
03037	952	2975	8	108.08	0.039	0.087	0.087	Free Surface	3.251	0.13	0.036	0.087	0.134	2.35	2.4	Yes	0.129	1.826			
03038	2975	2980	12	382.32	0.002	0.104	0.104	Free Surface	1.16	0.172	0.064	0.172	0.132	0.593	1.624	Yes	0.213	0.848			
03039	2980	2979	12	366.16	0	0.11	0.11	Free Surface	0.695	0.255	0.143	0.255	0.135	0.288	0.77	No	0.255	0.695			
03040	2979	2978	12	363.35	0.003	0.116	0.116	Free Surface	1.386	0.163	0.058	0.163	0.139	0.727	2.001	Yes	0.173	1.275			
03041	2978	2977	12	407.48	0.002	0.121	0.121	Free Surface	1.238	0.182	0.073	0.182	0.142	0.612	1.669	Yes	0.371	0.458			
03042	2977	1708	12	55.95	0.001	0.127	0.127	Free Surface	0.806	0.255	0.142	0.255	0.146	0.334	0.893	Yes	0.577	0.271			
03043	2981	2982	12	501.4	0.002	0.006	0.006	Free Surface	0.481	0.044	0.004	0.044	0.031	0.494	1.603	Yes	0.052	0.371			
03044	2982	2975	12	290.18	0.002	0.012	0.012	Free Surface	0.596	0.06	0.007	0.06	0.043	0.52	1.611	Yes	0.12	0.228			
03045	1716	2983	12	423.65	0.039	2.899	2.899	Free Surface	8.53	0.447	0.412	0.447	0.73	2.571	7.041	No	0.447	8.53			
03046	1820	2976	18	64.05	0.017	21.917	21.917	Pressurized	12.402	1	1.588	1.5	1.376	1.785	13.803	Yes	1.5	12.402	18.14	21	2
03047	2984	1953	21	330.29	0.001	0.004	0.004	Pressurized	0.343	0.021	0.001	0.037	0.023	0.385	5.665	Yes	1.75	0.002			
03048	1957	2991	21	382.51	0.002	11.382	11.382	Pressurized	4.732	1	1.469	1.75	1.032	0.63	7.749	Yes	1.75	4.732	21.19	24	2
03049	2991	2990	24	389.16	0.001	11.389	11.389	Pressurized	3.625	1	1.46	2	0.993	0.452	7.798	Yes	2	3.625	24.14	30	2
03050	2990	2989	24	383.21	0.001	11.396	11.396	Pressurized	3.627	1	1.405	2	1.014	0.452	8.111	Yes	2	3.627	24.14	30	2
03051	2989	2988	24	385.31	0.002	11.402	11.402	Pressurized	3.629	1	1.007	2	1.207	0.452	11.322	Yes	2	3.629	21.21	24	2
03052	2988	2987	24	385.63	0.002	11.409	11.409	Pressurized	3.631	1	1.181	2	1.111	0.453	9.664	Yes	2	3.631	21.21	24	2
03053	2987	2986	24	383.74	0.002	11.415	11.415	Pressurized	3.634	1	1.123	2	1.141	0.453	10.161	Yes	2.00	3.634	21.21	24	2
03054	2986	2001	24	340.32	0.001	11.422	11.422	Pressurized	3.636	1	1.822	2	0.886	0.453	6.27	No	2.00	3.636	24.16	30	2
03055	2001	2985	24	45.68	0.062	13.77	13.77	Free Surface	14.836	0.336	0.244	0.673	1.336	3.731	56.458	Yes	0.952	9.335			
03056	2985	3005	24	329.52	0.008	13.776	13.776	Free Surface	6.788	0.616	0.699	1.231	1.337	1.171	19.718	No	1.23	6.788			
03073	2911	2973	6	36.08	0.077	0.012	0.012	Pressurized	2.334	0.061	0.007	0.031	0.052	2.861	1.564	Yes	0.5	0.059			
03074	3008	875	8	277.6	0.005	0.033	0.033	Free Surface	1.195	0.133	0.038	0.089	0.082	0.854	0.87	Yes	0.099	1.013			
03075	3009	3010	8	102.38	0.06	0.014	0.014	Free Surface	2.161	0.049	0.005	0.033	0.053	2.555	2.957	Yes	0.548	0.045			
03091	580	581	8	38.25	0.023	0.008	0.008	Free Surface	1.305	0.047	0.004	0.031	0.039	1.585	1.848	Yes	0.156	0.124			
03092	3019	1701	8	120.75	0.063	0.199	0.199	Free Surface	4.921	0.173	0.065	0.115	0.205	3.065	3.046	Yes	0.285	1.393			
03093	3020	3019	8	271.37	0.046	0.022	0.022	Free Surface	2.274	0.065	0.009	0.044	0.067	2.335	2.597	Yes	0.079	0.939			
03094	3021	3,020.00	8	163.15	0.021	0.011	0.011	Free Surface	1.411	0.057	0.006	0.038	0.047	1.56	1.771	Yes	0.039	1.334			
03095	3022	2803	8	65.72	0.017	0.004	0.004	Free Surface	0.931	0.036	0.002	0.024	0.027	1.297	1.575	Yes	0.594	0.011			
03096	3023	2803	8	398.66	0.01	0.004	0.004	Free Surface	0.781	0.04	0.003	0.027	0.027	1.024	1.221	Yes	0.588	0.011			
03097	1723	3024	10	293.07	0.012	0.827	0.827	Free Surface	4.04	0.401	0.339	0.335	0.402	1.422	2.438	No	0.335	4.04			
03098	3024	2905	10	233.36	0.033	0.832	0.832	Free Surface	5.78	0.31	0.208	0.258	0.403	2.357	3.99	Yes	0.262	5.671			
03099	3025	2464	8	186.1	0.028	0.049	0.049	Free Surface	2.428	0.107	0.024	0.072	0.1	1.935	2.019	Yes	0.176	0.662			
03100	3026	2497	8	318.48	0.004	0.042	0.042	Free Surface	1.158	0.16	0.055	0.106	0.092	0.752	0.753	Yes	0.112	1.074			
03101	3027	3026	8	304.63	0.018	0.021	0.021	Free Surface	1.6	0.08	0.013	0.053	0.065	1.487	1.61	Yes	0.08	0.88			
03102	3028	2,507.00	8	201.38	0.007	0.021	0.021	Free Surface	1.147	0.1	0.021	0.067	0.065	0.949	0.999	Yes	0.071	1.041			
03103	3029	2505	8	255.59	0.005	0.062	0.062	Free Surface	1.45	0.181	0.071	0.121	0.113	0.882	0.874	No	0.121	1.45			
03104	3030	3029	8	255.76	0.005	0.042	0.042	Free Surface	1.225	0.153	0.051	0.102	0.092	0.812	0.816	Yes	0.111	1.083			
03105	3031	3030	8	108.93	0.043	0.021	0.021	Free Surface	2.189	0.064	0.008	0.043	0.065	2.265	2.525	Yes	0.07	1.009			
03106	3033	2502	8	290.17	0.006	0.042	0.042	Free Surface	1.335	0.145	0.045	0.096	0.092	0.913	0.922	No	0.096	1.335			
03107	3032	3033	8	288.69	0.005	0.021	0.021	Free Surface	1.037	0.107	0.024	0.071	0.065	0.828	0.865	Yes	0.084	0.818			
03108	3035	2501	8	287.21	0.045	0.042	0.042	Free Surface	2.731	0.089	0.016	0.059	0.092	2.401	2.565	Yes	0.074	1.982			
03109	3034	3035	8	285.28	0.022	0.021	0.021	Free Surface	1.727	0.076	0.012	0.05	0.065	1.647	1.796	Yes	0.06	1.528			
03110	2105	4	8	140.42	0.005	0.053	0.053	Pressurized	1.323	0.171	0.064	0.114	0.104	0.829	0.824	Yes	0.667	0.151			
03111	3036	2035	12	22.20	0.115	11.233	11.233	Pressurized	17.537	0.76	0.926	0.76	0.996	3.568	12.131	Yes	1	14.303	9.86	10	2
03112	3054	3041	8	216.83	0.011	0.006	0.006	Free Surface	0.919	0.048	0.004	0.032	0.034	1.098	1.275	Yes	0.04	0.795			
03113	3041	3042	8	55.1	0.02	0.011	0.011	Free Surface	1.393	0.058	0.007	0.039	0.048	1.515	1.712	Yes	0.055	0.841			
03114	3043	3042	8	45.1	0.022	0.023	0.023	Free Surface	1.771	0.079	0.013	0.053	0.068	1.648	1.786	Yes	0.062	1.409			
03115	3044	3043	8	115.09	0.049	0.017	0.017	Free Surface	2.147	0.057	0.006	0.038	0.059	2.357	2.67	Yes	0.046	1.656			
03116	3046	3,044.00	8	59.50	0.049	0.011	0.011	Free Surface	1.909	0.047	0.004	0.031	0.048	2.311	2.693	Yes	0.04	1.641			
03117	3045	3046	8	34.58	0.045	0.006	0.006	Free Surface	1.494	0.035	0.002	0.023	0.034	2.105	2.565	Yes	0.027	1.174			
03118	3038	2,334.00	8	68.51	0.027	0.017	0.017	Free Surface	1.74	0.066	0.009	0.044	0.059	1.778	1.975	Yes	0.054	1.285			
03119	3039	3038	8	83.73	0.028	0.011	0.011	Free Surface	1.575	0.054	0.006	0.036	0.048	1.786	2.043	Yes	0.04	1.341			
03120	3040	3039	8	165.94	0.034	0.006	0.006	Free Surface	1.359	0.037	0.003	0.025	0.034	1.855	2.24	Yes	0.03	1.009			
03121	3049	2329	8	133.94	0.019	0.04	0.04	Free Surface	1.986	0.107	0.024	0.072	0.09	1.583	1.652	No	0.072	1.986			
03122	3048	3049	8	259.84	0.019	0.034	0.034	Free Surface	1.899	0.1	0.021	0.066	0.084	1.574	1.657	Yes	0.069	1.796			
03123	3047	3048	8	120.83	0.01	0.006	0.006	Free Surface	0.892	0.049	0.005	0.033	0.034	1.056	1.222	Yes	0.05	0.486			
03124	3053	3048	8	177.85	0.018	0.023	0.023	Free Surface	1.667	0.083	0.014	0.055	0.068	1.519	1.638	Yes	0.061	1.443			
03125	3052	3053	8	60.94	0.192	0.017	0.017	Free Surface	3.464	0.042	0.003	0.028	0.059	4.475	5.313	Yes	0.667	0.049			
03126	3051	3052	8	215.79	0.025	0.011	0.011	Free Surface	1.496	0.056	0.006	0.037	0.048	1.667	1.897	No	0.04	1.496			
03127	3050	3051	8	208.75	0.022	0.006	0.006	Free Surface	1.166	0.041	0.003	0.027	0.034	1.511	1.797	Yes	0.032	0.919			
03128	3058	2941	8	208.64	0.006	0.026	0.026	Free Surface	1.189	0.114	0.027	0.076	0.073	0.919	0.953	Yes	0.081	1.09			
03129	3057	3058	8	203.95	0.006	0.02	0.02	Free Surface	1.087	0.1	0.021	0.066	0.063	0.901	0.949	Yes	0.071	0.981			
03130	3056	3057	8	308.15	0.005	0.013	0.013	Free Surface	0.925	0.084	0.015	0.056	0.051	0.835	0.897	Yes	0.061	0.815			
03131	3055	3056	8	112.16	0.007	0.007	0.007	Free Surface	0.836	0.057	0.006	0.038	0.036	0.924	1.049	Yes	0.047	0.603			
03132	3059	2907	8	267.3	0.007	0.014	0.014	Pressurized	1.004	0.083	0.014	0.055	0.053	0.913	0.983	Yes	0.667	0.04			
03133	3060	3059	8	148.26	0.007	0.005	0.005	Pressurized	0.733	0.049	0.005	0.033	0.03	0.871	1.01	Yes	0.667	0.013			
03134	3061	3059	8	336.05	0.019	0.005	0.005	Free Surface	1.03	0.039	0.003	0.026	0.03	1.376	1.65	Yes	0.667	0.013			
03135	3075	2855	8	136.74	0.04	0.008	0.008	Free Surface	1.578	0.042	0.003	0.028	0.04	2.037	2.419	Yes	0.034	1.175			
03136	3076	3075	8	68.60	0.042	0.004	0.004	Free Surface	1.299	0.03	0.002	0.02	0.028	1.984	2.478	Yes	0.024	0.992			
03137	3072	3073	8	371.71	0.067	0.008	0.008	Free Surface	1.887	0.037	0.003	0.025	0.04	2.588	3.129	Yes	0.037	1.032			
03138	3073	3074	10	29.61	0.006	0.012	0.012	Free Surface	0.899	0.059	0.007	0.049	0.046	0.869	1.713	Yes	0.061	0.661			
03139	3071	3072	8	245.49	0.035	0.004	0.004	Free Surface	1.226	0.031	0.002	0.021	0.028	1.836	2.28	Yes	0.023	1.069			
03140	3070	3068	8	106.41	0.022	0.004	0.004	Free Surface	1.045	0.034	0.002	0.023	0.028	1.484	1.812	Yes	0.026	0.854			
03141	3069	3068	8	190.74	0.015	0.004	0.004	Free Surface	0.91	0.038	0.003	0.025	0.028	1.232	1.484	Yes	0.027	0.802			
03142	3068	3067	8	86.12	0.067	0.012	0.012	Free Surface	2.143	0.044	0.004	0.03	0.049	2.675	3.144	Yes	0.032	1.875			
03143	3067	3064	8	158.68	0.057	0.016	0.016	Free Surface	2.212	0.053	0.005	0.035	0.056	2.53	2.9	Yes	0.06	1.014			
03144	3063	3064	8	128.09	0.01	0.008	0.008	Free Surface	0.962	0.058	0.007	0.039	0.04	1.05	1.187	Yes	0.061	0.486			

03145	3062	3063	8	178.35	0.009	0.004	0.004	Free Surface	0.747	0.043	0.004	0.029	0.028	0.947	1.119	Yes	0.034	0.59			
03146	3065	3064	8	150.67	0.025	0.008	0.008	Free Surface	1.341	0.046	0.004	0.031	0.04	1.638	1.914	Yes	0.058	0.535			
03147	3066	3065	8	148.61	0.008	0.004	0.004	Free Surface	0.716	0.044	0.004	0.03	0.028	0.895	1.052	Yes	0.03	0.693			
03148	3074	2856	10	315.74	0.002	0.016	0.016	Free Surface	0.684	0.086	0.015	0.072	0.053	0.545	1.021	Yes	0.085	0.535			
03149	3077	2855	8	108.29	0.048	0.004	0.004	Free Surface	1.359	0.029	0.001	0.019	0.028	2.108	2.645	Yes	0.03	0.717			
03151	3079	3078	8	131.54	0.027	0.283	0.283	Free Surface	4.064	0.254	0.141	0.169	0.246	2.066	2.007	Yes	0.193	3.388			
03152	3080	3079	8	259.47	0.022	0.279	0.279	Free Surface	3.76	0.266	0.154	0.177	0.244	1.865	1.81	No	0.177	3.76			
03153	3081	3080	8	214.24	0.043	0.004	0.004	Free Surface	1.313	0.03	0.002	0.02	0.028	2.013	2.518	Yes	0.098	0.122			
03154	3064	3080	8	182.97	0.007	0.035	0.035	Free Surface	1.379	0.126	0.034	0.084	0.085	1.012	1.037	Yes	0.131	0.73			
03155	3082	2814	8	19.7	0.028	0.022	0.022	Free Surface	1.924	0.073	0.011	0.049	0.067	1.865	2.043	Yes	0.073	1.059			
03156	3085	3082	8	252.4	0.008	0.011	0.011	Free Surface	0.985	0.072	0.01	0.048	0.047	0.963	1.057	Yes	0.048	0.973			
03157	3083	2814	8	109.94	0.043	0.022	0.022	Free Surface	2.229	0.066	0.009	0.044	0.067	2.273	2.524	Yes	0.071	1.11			
03158	3084	3083	8	222.06	0.01	0.011	0.011	Free Surface	1.073	0.068	0.009	0.045	0.047	1.08	1.195	No	0.045	1.073			
03160	3087	1714	6	103.45	0.001	0.056	0.056	Free Surface	0.658	0.449	0.415	0.224	0.116	0.28	0.135	Yes	0.463	0.296			
03161	3088	2861	8	274.26	0.027	0.005	0.005	Free Surface	1.181	0.035	0.002	0.024	0.03	1.652	2.009	Yes	0.028	0.91			
03162	3092	3,091.00	8	183.70	0.006	5.933	5.933	Pressurized	16.995	1	6.477	0.667	0.454	3.668	0.916	Yes	0.67	16.995	13.51	15	2
03163	3091	3090	8	155.35	0.005	5.936	5.936	Pressurized	17.006	1	6.828	0.667	0.442	3.67	0.869	Yes	0.667	17.006	13.98	15	2
03164	3090	2806	8	201.2	0.007	5.947	5.947	Pressurized	17.038	1	6.015	0.667	0.472	3.677	0.989	Yes	0.667	17.038	13.13	15	2
03165	3094	3093	8	383.78	0.005	0.004	0.004	Pressurized	0.624	0.047	0.004	0.031	0.027	0.759	0.886	Yes	0.667	0.011			
03166	3093	3090	8	106.11	0.008	0.007	0.007	Pressurized	0.888	0.059	0.007	0.039	0.039	0.961	1.084	Yes	0.667	0.021			
03168	254	253	12	287.03	0.01	0.025	0.025	Free Surface	1.33	0.059	0.007	0.059	0.064	1.174	3.649	Yes	0.167	0.291			
03169	3096	2940	8	219.46	0.008	0.007	0.007	Free Surface	0.842	0.056	0.006	0.037	0.036	0.933	1.06	Yes	0.044	0.66			
03171	3095	2938	8	190.73	0.006	0.007	0.007	Free Surface	0.791	0.059	0.007	0.039	0.036	0.858	0.969	Yes	0.044	0.657			
03173	3097	3025	8	124.28	0.016	0.041	0.041	Free Surface	1.899	0.112	0.027	0.075	0.091	1.48	1.537	No	0.075	1.899			
03174	3098	3097	8	285.42	0.063	0.008	0.008	Free Surface	1.875	0.038	0.003	0.025	0.04	2.531	3.044	Yes	0.05	0.685			
03175	3101	3097	8	180.41	0.007	0.008	0.008	Free Surface	0.87	0.064	0.008	0.043	0.04	0.904	1.009	Yes	0.059	0.542			
03176	3099	3097	8	302.9	0.023	0.016	0.016	Free Surface	1.635	0.067	0.009	0.044	0.057	1.662	1.844	Yes	0.06	1.06			
03177	3100	3099	8	288.98	0.036	0.008	0.008	Free Surface	1.536	0.044	0.004	0.029	0.04	1.937	2.284	Yes	0.037	1.083			
03178	3102	1,868.00	8	33.27	0.007	0.004	0.004	Free Surface	0.7	0.044	0.004	0.03	0.028	0.875	1.029	Yes	0.036	0.528			
08000	2142	9002	8	30	0.049	1.101	1.101	Free Surface	7.286	0.447	0.412	0.298	0.498	2.689	2.673	No	0.30	7.286			
A00153	399	171	8	180.59	0.007	0.036	0.036	Free Surface	1.346	0.131	0.037	0.087	0.086	0.968	0.988	No	0.087	1.346			
A00188	433	320	8	82.97	0.069	0.087	0.087	Free Surface	3.962	0.114	0.027	0.076	0.134	3.064	3.176	Yes	0.186	1.095			
A00234	477	252	12	150.67	0.004	0.113	0.113	Free Surface	1.546	0.148	0.048	0.148	0.137	0.852	2.364	Yes	0.226	0.845			
A02052	2079	9,006.00	8	10.00	0.006	4.077	4.077	Pressurized	11.679	1	4.308	0.667	0.461	2.521	0.946	No	0.667	11.679	11.74	12	2
A09999	9999	1747	18	672.74	0.002	3.211	3.211	Free Surface	2.952	0.591	0.657	0.887	0.682	0.606	4.89	Yes	0.972	2.651			
FUP10	FUMH9	FUMH7	8	648.07	0.024	0.084	0.084	Free Surface	2.702	0.145	0.045	0.097	0.132	1.846	1.864	Yes	0.116	2.072			
FUP100	FUMH97	FUMH99	8	103.19	0.008	0.025	0.025	Free Surface	1.288	0.104	0.023	0.069	0.071	1.044	1.093	Yes	0.083	0.99			
FUP102	FUMH99	FUMH101	8	1,000.00	0.008	0.05	0.05	Free Surface	1.585	0.145	0.045	0.097	0.101	1.082	1.093	Yes	0.11	1.367			
FUP104	FUMH101	FUMH103	8	1,000.00	0.008	0.074	0.074	Free Surface	1.794	0.176	0.068	0.117	0.124	1.107	1.098	Yes	0.127	1.609			
FUP106	FUMH103	FUMH105	8	1,000.00	0.008	0.099	0.099	Free Surface	1.94	0.204	0.091	0.136	0.143	1.109	1.088	Yes	0.144	1.792			
FUP108	FUMH105	FUMH107	8	1,000.00	0.008	0.124	0.124	Free Surface	2.078	0.227	0.113	0.152	0.161	1.121	1.094	Yes	0.159	1.944			
FUP110	FUMH107	FUMH109	8	1,000.00	0.008	0.149	0.149	Free Surface	2.19	0.249	0.136	0.166	0.176	1.125	1.093	Yes	0.173	2.071			
FUP112	FUMH109	FUMH111	8	1,000.00	0.008	0.174	0.174	Free Surface	2.29	0.269	0.159	0.18	0.191	1.128	1.094	Yes	0.19	2.181			
FUP114	FUMH111	FUMH113	8	1,000.00	0.008	0.198	0.198	Free Surface	2.378	0.288	0.181	0.192	0.205	1.128	1.093	Yes	0.20	2.279			
FUP116	FUMH113	311.00	8	1,000.00	0.008	0.223	0.223	Free Surface	2.46	0.306	0.204	0.204	0.217	1.129	1.094	Yes	0.629	0.654			
FUP12	FUMH11	2964	8	1,000.00	0.023	0.852	0.852	Free Surface	5.128	0.481	0.468	0.321	0.437	1.809	1.82	No	0.321	5.128			
FUP120	FUMH119	FUMH117	8	81.69	0.006	0.161	0.161	Free Surface	2.067	0.275	0.165	0.183	0.184	1.007	0.976	Yes	0.465	0.619			
FUP122	FUMH121	FUMH119	8	1,000.00	0.007	0.141	0.141	Free Surface	2.023	0.254	0.141	0.169	0.172	1.029	1	Yes	0.188	1.742			
FUP124	FUMH123	FUMH121	8	1,000.00	0.007	0.121	0.121	Free Surface	1.934	0.235	0.121	0.157	0.159	1.025	0.999	Yes	0.163	1.829			
FUP126	FUMH125	FUMH123	8	1,000.00	0.007	0.101	0.101	Free Surface	1.835	0.214	0.101	0.143	0.144	1.021	1	Yes	0.15	1.717			
FUP128	FUMH127	FUMH125	8	1,000.00	0.007	0.081	0.081	Free Surface	1.719	0.192	0.081	0.128	0.129	1.014	1	Yes	0.135	1.585			
FUP130	FUMH129	FUMH127	8	1,000.00	0.007	0.06	0.06	Free Surface	1.578	0.167	0.06	0.111	0.111	1.002	0.999	Yes	0.12	1.421			
FUP132	FUMH131	FUMH129	8	1,000.00	0.007	0.04	0.04	Free Surface	1.399	0.137	0.04	0.091	0.091	0.984	1	Yes	0.101	1.204			
FUP134	FUMH133	FUMH131	8	1,000.00	0.007	0.02	0.02	Free Surface	1.136	0.098	0.02	0.066	0.064	0.947	0.999	Yes	0.078	0.873			
FUP138	FUMH117	F9008	8	81.69	0.007	0.181	0.181	Free Surface	2.166	0.289	0.182	0.193	0.195	1.026	0.994	No	0.193	2.166			
FUP14	FUMH13	FUMH11	8	1,000.00	0.023	0.746	0.746	Free Surface	4.954	0.446	0.41	0.297	0.408	1.832	1.82	Yes	0.309	4.71			
FUP142	FUMH139	FUMH141	8	189.62	0.034	0.144	0.144	Free Surface	3.592	0.173	0.065	0.115	0.174	2.241	2.228	Yes	0.139	2.749			
FUP144	FUMH141	FUMH143	8	1,000.00	0.034	0.289	0.289	Free Surface	4.4	0.243	0.13	0.162	0.249	2.289	2.227	Yes	0.181	3.777			
FUP146	FUMH143	1370	8	1,000.00	0.034	0.433	0.433	Free Surface	4.942	0.299	0.194	0.199	0.307	2.299	2.227	Yes	0.2	4.918			
FUP148	FUMH145	FUMH147	8	840.74	0.006	0.273	0.273	Free Surface	2.325	0.37	0.291	0.246	0.241	0.96	0.936	Yes	0.306	1.745			
FUP150	FUMH147	1946	8	1,000.00	0.006	0.545	0.545	Free Surface	2.785	0.548	0.582	0.365	0.346	0.904	0.937	No	0.365	2.785			
FUP152	FUMH149	FUMH151	8	1,000.00	0.006	0.273	0.273	Free Surface	2.294	0.373	0.297	0.249	0.241	0.942	0.919	Yes	0.298	1.809			
FUP154	FUMH151	FUMH153	8	1,000.00	0.007	0.545	0.545	Free Surface	2.977	0.519	0.533	0.346	0.346	1.001	1.023	Yes	0.399	2.503			
FUP156	FUMH153	2,000.00	8	1,000.00	0.007	0.818	0.818	Free Surface	3.254	0.677	0.8	0.451	0.428	0.903	1.022	Yes	0.66	2.344	6.24	8	2
FUP158	FUMH155	FUMH157	8	619.16	0.009	0.273	0.273	Pressurized	2.726	0.329	0.234	0.219	0.241	1.202	1.167	Yes	0.667	0.781			
FUP16	FUMH15	FUMH13	8	1,000.00	0.023	0.639	0.639	Free Surface	4.757	0.409	0.351	0.273	0.377	1.851	1.82	Yes	0.285	4.488			
FUP160	FUMH157	1945	8	1,000.00	0.009	0.545	0.545	Pressurized	3.284	0.481	0.468	0.321	0.346	1.159	1.166	Yes	0.667	1.562			
FUP162	FUMH159	FUMH161	8	1,000.00	0.021	0.058	0.058	Free Surface	2.318	0.125	0.033	0.083	0.109	1.711	1.756	Yes	0.099	1.789			
FUP164	FUMH161	FUMH163	8	1,000.00	0.022	0.116	0.116	Free Surface	2.877	0.173	0.065	0.115	0.155	1.792	1.781	Yes	0.128	2.475			
FUP166	FUMH163	FUMH165	8	1,000.00	0.022	0.174	0.174	Free Surface	3.242	0.211	0.098	0.141	0.191	1.818	1.781	Yes	0.152	2.916			
FUP168	FUMH165	FUMH167	8	1,000.00	0.022	0.233	0.233	Free Surface	3.525	0.244	0.131	0.163	0.222	1.83	1.781	Yes	0.172	3.248			
FUP170	FUMH167	FUMH169	8	1,000.00	0.022	0.291	0.291	Free Surface	3.759	0.273	0.163	0.182	0.249	1.836	1.781	Yes	0.191	3.516			
FUP172	FUMH169	FUMH171	8	1,000.00	0.022	0.349	0.349	Free Surface	3.959	0.3	0.196	0.2	0.274	1.838	1.781	Yes	0.208	3.742			
FUP174	FUMH171	FUMH173	8	1,000.00	0.022	0.407	0.407	Free Surface	4.135	0.325	0.229	0.217	0.297	1.836	1.781	Yes	0.225	3.937			
FUP176	FUMH173	FUMH175	8	1,000.00	0.022	0.465	0.465	Free Surface	4.292	0.349	0.261	0.232	0.319	1.832	1.781	Yes	0.24	4.11			
FUP178	FUMH175	FUMH177	8	1,000.00	0.022	0.523	0.523	Free Surface	4.434	0.371	0.294	0.248	0.339	1.826	1.781	Yes	0.255	4.264			
FUP18	FUMH17	FUMH15	8	1,000.00	0.023	0.533	0.533	Free Surface	4.527	0.371	0.293	0.247	0.342	1.866	1.82	Yes	0.26	4.228			
FUP180	FUMH177	FUMH179	8	1,000.00	0.022	0.581	0.581	Free Surface	4.563	0.393	0.326	0.262	0.358	1.818	1.781	Yes	0.269	4.404			
FUP182	FUMH179	2935	8	1,000.00	0.022	0.639	0.639	Free Surface	4.681	0.414	0.359	0.276	0.377	1.809	1.781	Yes	0.667	1.832			
FUP184	FUMH183	FUMH185	8	1,000.00	0.012	0.009	0.009	Free Surface	1.084	0.057	0.006	0.038	0.042	1.192	1.351	Yes	0.043	0.918			
FUP186	FUMH185	FUMH187	8	1,000.00	0.02	0.017	0.017	Free Surface	1.581	0.071	0.01	0.047	0.059	1.56	1.717	Yes	0.052	1.364			
FUP188	FUMH187	FUMH189	8	1,000.00	0.02	0.026	0.026	Free Surface	1.788	0.086	0.015	0.057	0.072	1.601	1.717	Yes	0.061	1.612			
FUP190	FUMH189	FUMH191	8	1,000.00	0.02	0.034	0.034	Free Surface	1.951	0.098	0.02	0.065	0.084	1.629	1.718	Yes	0.069	1.8			
FUP192	FUMH191	FUMH193	8	1,000.00	0.02	0.043	0.043	Free Surface	2.086	0.109	0.025	0.073	0.094	1.649	1.717	Yes	0.076	1.954			
FUP194	FUMH193	FUMH195	8	1,000.00	0.02	0.052	0.052	Free Surface	2.204	0.119	0.03	0.079	0.103	1.666	1.718	Yes	0.127	1.122			
FUP196	FUMH195	2932	8	1,000.00	0.02	0.255	0.255	Free Surface	3.529	0.26	0.149	0.174	0.233	1.769	1.717	Yes	0.667	0.731			
FUP198	FUMH197	FUMH199	8	1,000.00	0.002	0.179	0.179	Free Surface	1.469	0.38	0.306	0.253	0.194	0.597	0.584	No	0.253	1.469			
FUP2	FUMH1	3080	8	1,000.00	0.011	0.236	0.236	Free Surface	2.81	0.29	0.184	0.194	0.224	1.328	1.287	No	0.194	2.81			
FUP20	FUMH19	FUMH17	8	1,000.00	0.023	0.426	0.426	Free Surface	4.255	0.329	0.234	0.22	0.305	1.876	1.82	Yes	0.233	3.915			
FUP200	FUMH199	FUMH201	8	1,000.00	0.011	0.357	0.357	Free Surface	3.16	0.36	0.277	0.24	0.278	1.325	1.29	Yes	0.27	2.699			
FUP202	FUMH201	2762	8	1,000.00	0.011	0.536	0.536	Free Surface	3.525	0.449	0.415	0.299	0.343	1.298	1.29	Yes	0.339	3.007			
FUP204	FUMH203	FUMH205	8	674.5	0.009	0.006	0.006	Free Surface	0.851	0.051	0.005	0.034	0.034	0.995	1.148	Yes	0.04	0.656			
FUP206	FUMH205	FUMH207	8	1,000.00	0.009	0.011	0.011	Free Surface	1.051	0.07	0.01	0.047	0.048	1.043	1.149	Yes	0.052	0.906			
FUP208	FUMH207	FUMH209	8	1,000.00	0.009	0.017	0.017	Free Surface	1.188	0.085	0.015	0.056	0.058	1.069	1.149	Yes	0.061	1.071			
FUP210	FUMH209	FUMH211	8	1,000.00	0.009	0.023	0.023	Free Surface	1.296	0.097	0.02	0.065	0.068	1.088	1.149	Yes	0.435	0.093			
FUP212	FUMH211	FUMH213	8	1,000.00	0.009	0.028	0.028	Pressurized	1.386	0.108	0.025	0.072	0.076	1.102	1.149	Yes	0.667	0.081			
FUP214	FUMH213	FUMH215	8	1,000.00	0.009	5.157	5.157	Pressurized	14.775	1	4.489	0.667	0.508	3.189	1.149	Yes	0.667	14.775	11.88	12	2
FUP216	FUMH215	FUMH217	8	1,000.00	0.009	5.522	5.522	Pressurized	15.819	1	4.804	0.667	0.508	3.414	1.149	Yes	0.667	15.819	12.19	15	2
FUP218	FUMH217	FUMH219	8	1,000.00	0.009	5.725	5.725	Pressurized	16.402	1	4.984	0.667	0.508	3.54	1.149	Yes	0.667	16.402	12.35	15	2
FUP22	FUMH21	FUMH19	8	1,000.00	0.023	0.32	0.32	Free Surface	3.923	0.284	0.176	0.189	0.262	1.878	1.82	Yes	0.204	3.523			
FUP220	FUMH219	3092	8	1,000.00	0.009	5.929	5.929	Pressurized	16.985	1	5.161	0.667	0.508	3.666	1.149	Yes	0.67	16.985	12.52	15	2
FUP222	FUMH223	FUMH225	8	975.35	0.014	0.588	0.588	Free Surface	3.887	0.448	0.413	0.299	0.36	1.434	1.425	Yes	0.38	2.861			
FUP224	FUMH225	FUMH227	8	1,000.00	0.014	1.177	1.177	Free Surface	4.562	0.693	0.825	0.462	0.514	1.242	1.425	Yes	0.67	3.371	6.28	8	2
FUP226	FUMH227	FUMH229	8	1,000.00	0.014	1.765	1.765	Pressurized	5.056	1	1.239	0.667	0.561	1.091	1.425	Yes	0.67	5.056	7.31	8	2
FUP228	FUMH229	FUMH231	8	1,000.00	0.014	2.353	2.353	Pressurized	6.741	1	1.651	0.667	0.561	1.455	1.425	Yes	0.667	6.741	8.15	10	2
FUP230	FUMH231	FUMH233	8	1,000.00	0.014	2.941	2.941	Pressurized	8.427	1	2.064	0.667	0.561	1.819	1.425	Yes	0.667	8.427	8.86	10	2
FUP232	FUMH233	FUMH235	8	1,000.00	0.014	3.306	3.306	Pressurized	9.471	1	2.32	0.667	0.561	2.044	1.425	Yes	0.67	9.471	9.25	10	2
FUP234	FUMH235	FUMH237	8	1,000.00	0.014	3.671	3.671	Pressurized	10.516	1	2.575	0.667	0.561	2.27	1.425	Yes	0.67	10.516	9.63	10	2
FUP236	FUMH237	FUMH239	8	1,000.00	0.014	4.035	4.035	Pressurized	11.56	1	2.832	0.667	0.561	2.495	1.425	Yes	0.667	11.56	9.97	10	2
FUP238	FUMH239	FUMH241	8	1,000.00	0.014	4.4	4.4	Pressurized	12.605	1	3.087	0.667	0.561	2.721	1.425	Yes	0.67	12.605	10.30	12	2
FUP24	FUMH23	FUMH21	8	1,000.00	0.023	0.213	0.213	Free Surface	3.49	0.231	0.117	0.154	0.212	1.866	1.82	Yes	0.172	2.997			
FUP240	FUMH241	FUMH213	8	1,000.00	0.014	4.765	4.765	Pressurized	13.649	1	3.344	0.667	0.561	2.946	1.425	Yes	0.67	13.649	10.61	12	2
FUP242	FUMH243	FUMH245	8	145.38	0.011	0.365	0.365	Free Surface	3.186	0.363	0.282	0.242	0.281	1.329	1.295	Yes	0.3	2.396			
FUP244	FUMH245	FUMH247	8	1,000.00	0.011	0.729	0.729	Free Surface	3.825	0.536	0.562	0.358	0.403	1.259	1.298	Yes	0.413	3.208			
FUP246	FUMH247	FUMH249	8	1,000.00	0.011	1.094	1.094	Free Surface	4.167	0.704	0.843	0.469	0.496	1.118	1.298	Yes	0.667	3.134	6.40	8	2
FUP248	FUMH249	FUMH251	8	1,000.00	0.011	1.458	1.458	Pressurized	4.178	1	1.124	0.667	0.538	0.902	1.298	Yes	0.667	4.178	7.12	8	2
FUP250	FUMH251	FUMH253	8	1,000.00	0.011	1.823	1.823	Pressurized	5.223	1	1.406	0.667	0.538	1.127	1.297	Yes	0.667	5.223	7.75	8	2
FUP252	FUMH253	2797	8	1,000.00	0.011	2.188	2.188	Pressurized	6.267	1	1.686	0.667	0.538	1.353	1.298	Yes	0.667	6.267	8.29	10	2
FUP254	FUMH255	FUMH257	8	290.6	0.005	0.142	0.142	Free Surface	1.817	0.276	0.166	0.184	0.173	0.883	0.856	Yes	0.224	1.38			
FUP256	FUMH257	FUMH259	8	1,000.00	0.005	0.285	0.285	Free Surface	2.206	0.397	0.332	0.265	0.247	0.874	0.857	Yes	0.299	1.88			
FUP258	FUMH259	1595	8	1,000.00	0.005	0.427	0.427	Free Surface	2.453	0.499	0.499	0.333	0.305	0.846	0.857	Yes	0.67	1.224			
FUP26	FUMH25	FUMH23	8	490.38	0.023	0.107	0.107	Free Surface	2.848	0.164	0.059	0.109	0.149	1.824	1.82	Yes	0.132	2.181			
FUP260	FUMH261	FUMH263	8	254.87	0.005	0.352	0.352	Pressurized	2.332	0.447	0.412	0.298	0.276	0.861	0.855	Yes	0.667	1.01			
FUP262	FUMH263	FUMH265	8	1,000.00	0.005	0.705	0.705	Pressurized	2.74	0.691	0.823	0.461	0.396	0.747	0.857	Yes	0.667	2.02	6.29	8	2
FUP264	FUMH265	1222	8	1,000.00	0.001	1.057	1.057	Pressurized	3.029	1	27.6	0.667	0.088	0.654	0.038	Yes	0.67	3.029	9.90	10	2
FUP266	FUMH267	FUMH269	8	779.35	0.005	0.179	0.179	Free Surface	1.939	0.31	0.208	0.207	0.194	0.884	0.857	Yes	0.253	1.467			
FUP268	FUMH269	2950	8	1,000.00	0.005	0.357	0.357	Free Surface	2.343	0.45	0.417	0.3	0.278	0.861	0.857	Yes	0.667	1.023			

FUP270	FUMH271	FUMH273	8	263.15	0.005	0.179	0.179	Free Surface	1.941	0.31	0.208	0.206	0.194	0.885	0.858	Yes	0.253	1.468			
FUP272	FUMH273	FUMH275	8	1,000.00	0.005	0.357	0.357	Free Surface	2.343	0.45	0.417	0.3	0.278	0.861	0.857	Yes	0.341	1.988			
FUP274	FUMH275	FUMH277	8	1,000.00	0.005	0.536	0.536	Free Surface	2.59	0.573	0.625	0.382	0.343	0.815	0.857	Yes	0.424	2.29			
FUP276	FUMH277	FUMH279	8	1,000.00	0.005	0.714	0.714	Free Surface	2.746	0.698	0.834	0.465	0.399	0.743	0.857	Yes	0.667	2.046	6.32	8	2
FUP278	FUMH279	2953	8	1,000.00	0.005	0.893	0.893	Pressurized	2.558	1	1.042	0.667	0.438	0.552	0.857	Yes	0.67	2.558	6.87	8	2
FUP28	FUMH27	FUMH29	8	456.23	0.048	0.119	0.119	Free Surface	3.827	0.144	0.045	0.096	0.157	2.619	2.646	Yes	0.116	2.935			
FUP280	FUMH281	FUMH283	8	5.79	0.005	1.079	1.079	Pressurized	3.093	1	1.238	0.667	0.443	0.667	0.872	Yes	0.667	3.093	7.38	8	2
FUP282	FUMH283	FUMH285	8	2,000.00	0.005	2.159	2.159	Pressurized	6.185	1	2.64	0.667	0.428	1.335	0.818	Yes	0.667	6.185	9.57	10	2
FUP284	FUMH285	FUMH287	8	2,000.00	0.005	3.238	3.238	Pressurized	9.278	1	3.963	0.667	0.428	2.002	0.817	Yes	0.667	9.278	11.14	12	2
FUP286	FUMH287	FUMH289	8	2,000.00	0.005	4.318	4.318	Pressurized	12.37	1	5.281	0.667	0.428	2.67	0.818	Yes	0.67	12.37	12.41	15	2
FUP288	FUMH289	FUMH291	8	2,000.00	0.005	5.397	5.397	Pressurized	15.463	1	6.601	0.667	0.428	3.337	0.818	Yes	0.667	15.463	13.49	15	2
FUP290	FUMH291	FUMH293	8	2,000.00	0.005	6.477	6.477	Pressurized	18.555	1	7.921	0.667	0.428	4.005	0.818	Yes	0.67	18.555	14.45	15	2
FUP292	FUMH293	FUMH295	8	2,000.00	0.005	7.556	7.556	Pressurized	21.648	1	9.241	0.667	0.428	4.672	0.818	Yes	0.667	21.648	15.30	18	2
FUP294	FUMH295	FUMH297	8	2,000.00	0.005	9.527	9.527	Pressurized	27.292	1	11.657	0.667	0.428	5.891	0.817	Yes	0.67	27.292	16.69	18	2
FUP296	FUMH297	FUMH299	8	2,000.00	0.005	11.497	11.497	Pressurized	32.937	1	14.06	0.667	0.428	7.109	0.818	Yes	0.667	32.937	17.91	18	2
FUP298	FUMH299	FUMH301	8	2,000.00	0.005	13.468	13.468	Pressurized	38.582	1	16.47	0.667	0.428	8.327	0.818	No	0.667	38.582	19.01	21	2
FUP30	FUMH29	FUMH31	8	1,000.00	0.048	0.238	0.238	Free Surface	4.699	0.203	0.09	0.135	0.225	2.694	2.646	Yes	0.15	4.039			
FUP302	FUMH305	FUMH307	8	803.67	0.01	0.32	0.32	Free Surface	2.917	0.352	0.266	0.235	0.262	1.237	1.204	Yes	0.29	2.195			
FUP304	FUMH307	FUMH309	8	2,000.00	0.01	0.641	0.641	Free Surface	3.503	0.519	0.532	0.346	0.377	1.178	1.204	Yes	0.398	2.946			
FUP306	FUMH309	FUMH311	8	2,000.00	0.01	0.961	0.961	Free Surface	3.83	0.676	0.799	0.451	0.465	1.064	1.204	Yes	0.67	2.754	6.20	8	2
FUP308	FUMH311	FUMH313	8	2,000.00	0.01	1.282	1.282	Pressurized	3.672	1	1.065	0.667	0.52	0.793	1.204	Yes	0.667	3.672	6.91	8	2
FUP310	FUMH313	FUMH315	8	2,000.00	0.01	1.602	1.602	Pressurized	4.591	1	1.331	0.667	0.52	0.991	1.204	Yes	0.667	4.591	7.51	8	2
FUP312	FUMH315	FUMH317	8	2,000.00	0.01	1.923	1.923	Pressurized	5.509	1	1.597	0.667	0.52	1.189	1.204	Yes	0.67	5.509	8.04	10	2
FUP314	FUMH317	FUMH319	8	2,000.00	0.01	2.243	2.243	Pressurized	6.427	1	1.863	0.667	0.52	1.387	1.204	Yes	0.667	6.427	8.52	10	2
FUP316	FUMH319	FUMH321	8	2,000.00	0.01	6.509	6.509	Pressurized	18.647	1	5.408	0.667	0.52	4.025	1.204	Yes	0.667	18.647	12.71	15	2
FUP318	FUMH321	FUMH323	8	2,000.00	0.01	6.829	6.829	Pressurized	19.565	1	5.674	0.667	0.52	4.223	1.204	Yes	0.667	19.565	12.94	15	2
FUP32	FUMH31	FUMH33	8	1,000.00	0.048	0.357	0.357	Free Surface	5.289	0.248	0.135	0.165	0.278	2.722	2.646	Yes	0.178	4.753			
FUP320	FUMH323	FUMH325	8	2,000.00	0.01	7.15	7.15	Pressurized	20.483	1	5.94	0.667	0.52	4.421	1.204	Yes	0.67	20.483	13.16	15	2
FUP322	FUMH325	FUMH327	8	2,000.00	0.01	7.507	7.507	Pressurized	21.505	1	6.236	0.667	0.52	4.641	1.204	Yes	0.67	21.505	13.41	15	2
FUP324	FUMH327	FUMH329	8	2,000.00	0.01	7.863	7.863	Pressurized	22.526	1	6.531	0.667	0.52	4.862	1.204	Yes	0.67	22.526	13.64	15	2
FUP326	FUMH329	FUMH331	8	2,000.00	0.01	10.843	8.22	Pressurized	31.063	1	9.008	0.667	0.52	6.705	1.204	Yes	0.67	31.063	15.39	18	2
FUP328	FUMH331	FUMH333	8	2,000.00	0.01	10.847	8.223	Pressurized	31.073	1	9.011	0.667	0.52	6.707	1.204	Yes	0.667	31.073	15.39	18	2
FUP330	FUMH333	FUMH335	8	2,000.00	0.01	10.85	8.227	Pressurized	31.083	1	9.014	0.667	0.52	6.709	1.204	Yes	0.667	31.083	15.39	18	2
FUP332	FUMH335	FUMH337	8	2,000.00	0.01	10.854	8.23	Pressurized	31.093	1	9.017	0.667	0.52	6.711	1.204	Yes	0.67	31.093	15.39	18	2
FUP334	FUMH337	FUMH339	8	2,000.00	0.01	10.857	8.234	Pressurized	31.103	1	9.018	0.667	0.52	6.713	1.204	Yes	0.67	31.103	15.40	18	2
FUP336	FUMH339	FUMH341	8	2,000.00	0.01	10.86	8.237	Pressurized	31.113	1	9.023	0.667	0.52	6.715	1.204	Yes	0.67	31.113	15.40	18	2
FUP338	FUMH341	FUMH343	8	2,000.00	0.01	10.864	8.241	Pressurized	31.123	1	9.026	0.667	0.52	6.717	1.204	Yes	0.67	31.123	15.40	18	2
FUP34	FUMH33	FUMH35	8	1,000.00	0.048	0.476	0.476	Free Surface	5.743	0.287	0.18	0.191	0.323	2.731	2.646	Yes	0.203	5.288			
FUP340	FUMH343	FUMH345	8	2,000.00	0.01	10.867	8.244	Pressurized	31.133	1	9.028	0.667	0.52	6.719	1.204	Yes	0.67	31.133	15.40	18	2
FUP342	FUMH345	FUMH347	8	2,000.00	0.01	10.871	8.247	Pressurized	31.143	1	9.031	0.667	0.52	6.722	1.204	Yes	0.667	31.143	15.40	18	2
FUP344	FUMH347	FUMH349	8	2,000.00	0.01	10.874	8.251	Pressurized	31.153	1	9.032	0.667	0.52	6.724	1.204	Yes	0.667	31.153	15.41	18	2
FUP346	FUMH349	FUMH351	8	2,000.00	0.01	11.857	9.233	Pressurized	33.967	1	9.85	0.667	0.52	7.331	1.204	Yes	0.667	33.967	15.91	18	2
FUP348	FUMH351	FUMH353	8	2,000.00	0.01	12.839	10.216	Pressurized	36.782	1	10.667	0.667	0.52	7.939	1.204	No	0.67	36.782	16.40	18	2
FUP350	FUMH357	FUMH359	8	1,822.11	0.015	0.493	0.493	Free Surface	3.83	0.396	0.331	0.264	0.329	1.519	1.489	Yes	0.33	2.859			
FUP352	FUMH359	FUMH361	8	2,000.00	0.015	0.986	0.986	Free Surface	4.56	0.594	0.662	0.396	0.471	1.398	1.489	Yes	0.469	3.755			
FUP354	FUMH361	FUMH363	8	2,000.00	0.015	1.479	1.479	Free Surface	4.864	0.814	0.994	0.542	0.569	1.12	1.489	Yes	0.667	4.238	6.76	8	2
FUP356	FUMH363	FUMH365	8	2,000.00	0.015	1.973	1.973	Pressurized	5.651	1	1.325	0.667	0.571	1.22	1.489	Yes	0.667	5.651	7.53	8	2
FUP358	FUMH365	FUMH367	8	2,000.00	0.015	2.466	2.466	Pressurized	7.064	1	1.656	0.667	0.571	1.525	1.489	Yes	0.667	7.064	8.18	10	2
FUP36	FUMH35	FUMH37	8	1,000.00	0.048	0.595	0.595	Free Surface	6.118	0.322	0.225	0.215	0.363	2.729	2.646	Yes	0.226	5.718			
FUP360	FUMH367	FUMH369	8	2,000.00	0.015	2.959	2.959	Pressurized	8.477	1	1.987	0.667	0.571	1.83	1.489	Yes	0.67	8.477	8.76	10	2
FUP362	FUMH369	FUMH371	8	2,000.00	0.015	3.452	3.452	Pressurized	9.889	1	2.318	0.667	0.571	2.134	1.489	Yes	0.67	9.889	9.28	10	2
FUP364	FUMH371	FUMH319	8	2,000.00	0.015	3.945	3.945	Pressurized	11.302	1	2.649	0.667	0.571	2.439	1.489	Yes	0.67	11.302	9.76	10	2
FUP366	FUMH373	FUMH375	8	750.93	0.02	0.202	0	Free Surface	3.292	0.232	0.118	0.154	0.206	1.758	1.714	Yes	0.187	2.51			
FUP368	FUMH375	FUMH377	8	1,000.00	0.02	0.404	0	Free Surface	4.013	0.33	0.236	0.22	0.296	1.766	1.713	Yes	0.247	3.432			
FUP370	FUMH377	FUMH379	8	1,000.00	0.02	0.605	0	Free Surface	4.485	0.411	0.353	0.274	0.366	1.742	1.713	Yes	0.30	4.012			
FUP372	FUMH379	FUMH381	8	1,000.00	0.02	0.807	0	Free Surface	4.835	0.483	0.471	0.322	0.425	1.702	1.713	Yes	0.345	4.429			
FUP374	FUMH381	FUMH383	8	1,000.00	0.02	1.009	0	Free Surface	5.108	0.552	0.589	0.368	0.477	1.649	1.713	Yes	0.391	4.746			
FUP376	FUMH383	FUMH385	8	1,000.00	0.02	1.211	0	Free Surface	5.322	0.62	0.707	0.414	0.521	1.582	1.713	Yes	0.437	4.987			
FUP378	FUMH385	FUMH387	8	1,000.00	0.02	1.413	0	Free Surface	5.482	0.692	0.824	0.461	0.559	1.493	1.713	Yes	0.488	5.159	6.29	8	2
FUP38	FUMH37	FUMH39	8	1,000.00	0.048	0.714	0.714	Free Surface	6.436	0.355	0.27	0.237	0.399	2.72	2.646	Yes	0.247	6.078			
FUP380	FUMH387	FUMH389	8	1,000.00	0.02	1.614	0	Free Surface	5.582	0.772	0.942	0.515	0.589	1.368	1.713	Yes	0.667	4.625	6.62	8	2
FUP382	FUMH389	FUMH391	8	1,000.00	0.02	1.816	0	Pressurized	5.203	1	1.06	0.667	0.601	1.123	1.713	Yes	0.667	5.203	6.91	8	2
FUP384	FUMH391	FUMH393	8	1,000.00	0.02	2.018	0	Pressurized	5.781	1	1.178	0.667	0.601	1.248	1.713	Yes	0.667	5.781	7.19	8	2
FUP386	FUMH393	FUMH395	8	1,000.00	0.02	2.22	0	Pressurized	6.359	1	1.296	0.667	0.601	1.373	1.713	Yes	0.667	6.359	7.46	8	2
FUP388	FUMH395	FUMH397	8	1,000.00	0.02	2.422	0	Pressurized	6.937	1	1.413	0.667	0.601	1.497	1.713	Yes	0.667	6.937	7.70	8	2
FUP390	FUMH397	FUMH329	8	1,000.00	0.02	2.623	0	Pressurized	7.515	1	1.531	0.667	0.601	1.622	1.713	Yes	0.667	7.515	7.94	8	2
FUP392	FUMH399	FUMH401	8	580.17	0.027	0.178	0.178	Free Surface	3.543	0.202	0.089	0.134	0.194	2.036	2.001	Yes	0.162	2.707			
FUP394	FUMH401	FUMH403	8	1,000.00	0.027	0.356	0.356	Free Surface	4.331	0.286	0.178	0.19	0.277	2.065	2.001	Yes	0.215	3.654			
FUP396	FUMH403	FUMH405	8	1,000.00	0.025	0.535	0.535	Free Surface	4.721	0.36	0.278	0.24	0.343	1.978	1.926	Yes	0.255	4.356			
FUP398	FUMH405	FUMH407	8	1,000.00	0.029	0.713	0.713	Free Surface	5.387	0.404	0.344	0.27	0.399	2.111	2.073	Yes	0.291	4.877			
FUP4	FUMH3	FUMH1	8	1,000.00	0.011	0.158	0.158	Free Surface	2.5	0.236	0.122	0.158	0.182	1.321	1.287	Yes	0.176	2.147			
FUP40	FUMH39	340	8	1,000.00	0.048	0.833	0.833	Free Surface	6.714	0.385	0.315	0.257	0.432	2.706	2.646	Yes	0.667	2.386			
FUP400	FUMH407	FUMH409	8	1,000.00	0.027	0.891	0.891	Free Surface	5.566	0.467	0.445	0.312	0.447	1.999	2.001	Yes	0.329	5.186			
FUP402	FUMH409	FUMH411	8	1,000.00	0.027	1.069	1.069	Free Surface	5.827	0.52	0.534	0.347	0.491	1.956	2.001	Yes	0.364	5.484			
FUP404	FUMH411	FUMH413	8	1,000.00	0.027	1.247	1.247	Free Surface	6.045	0.572	0.623	0.381	0.528	1.905	2.001	Yes	0.399	5.729			
FUP406	FUMH413	FUMH415	8	1,000.00	0.027	1.425	1.425	Free Surface	6.225	0.624	0.712	0.416	0.561	1.843	2.001	Yes	0.434	5.928			
FUP408	FUMH415	FUMH417	8	1,000.00	0.027	1.604	1.604	Free Surface	6.37	0.677	0.802	0.452	0.587	1.766	2.001	No	0.45	6.37	6.24	8	2
FUP410	FUMH419	FUMH421	8	384.69	0.016	0.222	0.222	Free Surface	3.124	0.257	0.145	0.172	0.217	1.576	1.531	Yes	0.209	2.377			
FUP412	FUMH421	FUMH423	8	1,000.00	0.016	0.444	0.444	Free Surface	3.801	0.369	0.29	0.246	0.311	1.571	1.532	Yes	0.277	3.244			
FUP414	FUMH423	FUMH425	8	1,000.00	0.016	0.667	0.667	Free Surface	4.236	0.461	0.435	0.308	0.385	1.534	1.532	Yes	0.336	3.779			
FUP416	FUMH425	FUMH427	8	1,000.00	0.016	0.889	0.889	Free Surface	4.549	0.547	0.58	0.365	0.447	1.477	1.531	Yes	0.393	4.154			
FUP418	FUMH427	FUMH429	8	1,000.00	0.016	1.111	1.111	Free Surface	4.783	0.631	0.725	0.421	0.5	1.403	1.532	Yes	0.451	4.42			
FUP42	FUMH41	FUMH43	8	518.56	0.026	0.109	0.109	Free Surface	3.033	0.16	0.055	0.107	0.151	1.969	1.971	Yes	0.13	2.324			
FUP420	FUMH429	FUMH431	8	1,000.00	0.016	1.333	1.333	Free Surface	4.942	0.722	0.871	0.481	0.545	1.296	1.531	Yes	0.667	3.819	6.42	8	2
FUP422	FUMH431	FUMH433	8	1,000.00	0.016	1.555	1.555	Pressurized	4.456	1	1.016	0.667	0.577	0.962	1.532	No	0.667	4.456	6.80	8	2
FUP424	FUMH435	FUMH437	8	1,038.67	0.015	0.23	0.23	Free Surface	3.064	0.267	0.156	0.178	0.221	1.515	1.47	Yes	0.217	2.329			
FUP426	FUMH437	FUMH439	8	2,000.00	0.015	0.459	0.459	Free Surface	3.722	0.384	0.312	0.256	0.317	1.504	1.47	Yes	0.288	3.174			
FUP428	FUMH439	FUMH441	8	2,000.00	0.015	0.689	0.689	Free Surface	4.143	0.481	0.468	0.321	0.391	1.462	1.47	Yes	0.351	3.693			
FUP430	FUMH441	FUMH443	8	2,000.00	0.015	0.918	0.918	Free Surface	4.443	0.572	0.624	0.382	0.454	1.399	1.47	Yes	0.412	4.049			
FUP432	FUMH443	FUMH445	8	2,000.00	0.015	1.148	1.148	Free Surface	4.658	0.665	0.781	0.443	0.508	1.312	1.47	Yes	0.478	4.289			
FUP434	FUMH445	FUMH447	8	2,000.00	0.015	1.377	1.377	Free Surface	4.787	0.768	0.937	0.512	0.553	1.18	1.47	Yes	0.667	3.945	6.58	8	2
FUP436	FUMH447	FUMH449	8	2,000.00	0.015	1.607	1.607	Pressurized	4.603	1	1.093	0.667	0.568	0.993	1.47	No	0.667	4.603	6.97	8	2
FUP438	FUMH451	FUMH453	8	154.32	0.011	0.13	0.13	Free Surface	2.335	0.217	0.103	0.144	0.165	1.292	1.264	Yes	0.175	1.783			
FUP44	FUMH43	FUMH45	8	1,000.00	0.026	0.218	0.218	Free Surface	3.72	0.225	0.111	0.15	0.215	2.018	1.971	Yes	0.203	2.434			
FUP440	FUMH453	FUMH455	8	1,000.00	0.011	0.26	0.26	Free Surface	2.854	0.307	0.205	0.205	0.235	1.307	1.267	Yes	0.229	2.443			
FUP442	FUMH455	FUMH457	8	1,000.00	0.011	0.39	0.39	Free Surface	3.194	0.381	0.308	0.254	0.291	1.296	1.266	Yes	0.276	2.861			
FUP444	FUMH457	FUMH459	8	1,000.00	0.011	0.52	0.52	Free Surface	3.45	0.446	0.411	0.298	0.338	1.275	1.267	Yes	0.318	3.164			
FUP446	FUMH459	FUMH461	8	1,000.00	0.011	0.65	0.65	Free Surface	3.651	0.508	0.513	0.339	0.38	1.245	1.266	Yes	0.359	3.398			
FUP446	FUMH459	FUMH461	8	1,000.00	0.011	0.65	0.65	Free Surface	3.651	0.508	0.513	0.339	0.38	1.245	1.266	Yes	0.359	3.398			
FUP448	FUMH461	FUMH463	8	1,000.00	0.011	0.78	0.78	Free Surface	3.814	0.568	0.616	0.378	0.418	1.208	1.266	Yes	0.398	3.585			
FUP448	FUMH461	FUMH463	8	1,000.00	0.011	0.78	0.78	Free Surface	3.814	0.568	0.616	0.378	0.418	1.208	1.266	Yes	0.398	3.585			
FUP450	FUMH463	FUMH465	8	1,000.00	0.011	0.91	0.91	Free Surface	3.948	0.627	0.718	0.418	0.452	1.163	1.267	Yes	0.439	3.732			
FUP450	FUMH463	FUMH465	8	1,000.00	0.011	0.91	0.91	Free Surface	3.948	0.627	0.718	0.418	0.452	1.163	1.267	Yes	0.439	3.732			
FUP452	FUMH465	FUMH467	8	1,000.00	0.011	1.04	1.04	Free Surface	4.049	0.69	0.821	0.46	0.484	1.106	1.266	Yes	0.48	3.841	6.28	8	2
FUP454	FUMH467	FUMH469	8	1,000.00	0.011	1.17	1.17	Free Surface	4.119	0.759	0.924	0.506	0.513	1.029	1.267	Yes	0.667	3.352	6.56	8	2
FUP456	FUMH469	FUMH471	8	1,000.00	0.011	1.3	1.3	Pressurized	3.724	1	1.027	0.667	0.532	0.804	1.266	No	0.67	3.724	6.82	8	2
FUP46	FUMH45	FUMH47	8	1,000.00	0.026	0.613	0.613	Free Surface	4.984	0.383	0.311	0.255	0.368	2.016	1.97	Yes	0.309	3.875			
FUP46	FUMH45	FUMH47	8	1,000.00	0.026	0.613	0.613	Free Surface	4.984	0.383	0.311	0.255	0.368	2.016	1.97	Yes	0.297	4.086			
FUP48	FUMH47	FUMH49	8	1,000.00	0.026	1.009	1.009	Free Surface	5.679	0.507	0.512	0.338	0.477	1.939	1.971	Yes	0.667	2.889			
FUP50	FUMH49	FUMH51	8	1,000.00	0.026	1.397	1.397	Free Surface	6.124	0.622	0.709	0.414	0.556	1.817	1.97	Yes	0.667	4.002			
FUP52	FUMH51	2673	8	1,000.00	0.026	2.794	2.794	Pressurized	8.003	1	1.418	0.667	0.624	1.727	1.971	Yes	0.67	8.003	7.74	8	2
FUP54	FUMH53	FUMH55	8	276.71	0.005	0.641	0.641	Pressurized	2.69	0.646	0.75	0.431	0.377	0.775	0.856	Yes	0.667	1.837			
FUP54	FUMH53	FUMH55	8	276.71	0.005	0.641	0.641	Pressurized	2.69	0.646	0.75	0.431	0.377	0.775	0.856	Yes	0.667	1.837			
FUP56	FUMH55	FUMH57	8	1,000.00	0.005	1.283	1.283	Pressurized	3.674	1	1.497	0.667	0.438	0.793	0.857	Yes	0.67	3.674	7.87	8	2
FUP58	FUMH57	FUMH59	8	1,000.00	0.005	1.924	1.924	Pressurized	5.512	1	2.246	0.667	0.438	1.19	0.857	Yes	0.667	5.512	9.16	10	2
FUP6	FUMH5	FUMH3	8	305.21	0.011	0.079	0.079	Free Surface	2.04	0.168	0.061	0.112	0.127	1.291	1.286	Yes	0.135	1.562			
FUP6	FUMH5	FUMH3	8	305.21	0.011	0.079	0.079	Free Surface	2.04	0.168	0.061	0.112	0.127	1.291	1.286	Yes	0.135	1.562			
FUP60	FUMH59	FUMH61	8	1,000.00	0.005	2.565	2.565	Pressurized	7.349	1	2.994	0.667	0.438	1.586	0.857	Yes	0.67	7.349	10.21	12	2
FUP62	FUMH61	1818	8	1,000.00	0.005	3.207	3.207	Pressurized	9.186	1	3.743	0.667	0.438	1.983	0.857	Yes	0.667	9.186	11.10	12	2
FUP64	FUMH63	FUMH65	8	456.03	0.029	0.055	0.055	Free Surface	2.548	0.112	0.027	0.075	0.106	1.987	2.063	Yes	0.09	1.957			
FUP64	FUMH63	FUMH65	8	456.03	0.029	0.055	0.055	Free Surface	2.548	0.112	0.027	0.075	0.106	1.987	2.063	Yes	0.09	1.957			
FUP66	FUMH65	FUMH67	8	1,000.00	0.029	0.109	0.109	Free Surface	3.134	0.157	0.053	0.104	0.151	2.057	2.062	Yes	0.116	2.697			
FUP66	FUMH65	FUMH67	8	1,000.00	0.029	0.109	0.109	Free Surface	3.134	0.157	0.053	0.104	0.151	2.057	2.062	Yes	0.116	2.697			
FUP68	FUMH67	FUMH69	8	1,000.00	0.029	0.164	0.164	Free Surface	3.533	0.191	0.08	0.127	0.186	2.091	2.062	Yes	0.137	3.18			
FUP68	FUMH67	FUMH69	8	1,000.00	0.029	0.164	0.164	Free Surface	3.533	0.191	0.08	0.127	0.186	2.091	2.062	Yes	0.137	3.18			
FUP70	FUMH69	FUMH71	8	1,000.00	0.029	0.219	0.219	Free Surface	3.844	0.22	0.106	0.147	0.215	2.11	2.062	Yes	0.16	3.543			
FUP70	FUMH69	FUMH71	8	1,000.00	0.029	0.219	0.219	Free Surface	3.844	0.22	0.106	0.147	0.215	2.11	2.062	Yes	0.155	3.543			

FUP72	FUMH71	FUMH73	8	1,000.00	0.029	0.274	0.274	Free Surface	4.102	0.246	0.133	0.164	0.242	2.121	2.063	Yes	0.172	3.838			
FUP72	FUMH71	FUMH73	8	1,000.00	0.029	0.274	0.274	Free Surface	4.102	0.246	0.133	0.164	0.242	2.121	2.063	Yes	0.172	3.838			
FUP74	FUMH73	FUMH75	8	1,000.00	0.029	0.328	0.328	Free Surface	4.323	0.27	0.159	0.18	0.266	2.126	2.062	Yes	0.19	4.086			
FUP74	FUMH73	FUMH75	8	1,000.00	0.029	0.328	0.328	Free Surface	4.323	0.27	0.159	0.18	0.266	2.126	2.062	Yes	0.187	4.086			
FUP76	FUMH75	FUMH77	8	1,000.00	0.029	0.383	0.383	Free Surface	4.517	0.292	0.186	0.195	0.288	2.128	2.062	Yes	0.20	4.302			
FUP76	FUMH75	FUMH77	8	1,000.00	0.029	0.383	0.383	Free Surface	4.517	0.292	0.186	0.195	0.288	2.128	2.062	Yes	0.202	4.302			
FUP78	FUMH77	FUMH79	8	1,000.00	0.029	0.438	0.438	Free Surface	4.692	0.313	0.212	0.209	0.309	2.128	2.063	Yes	0.215	4.494			
FUP78	FUMH77	FUMH79	8	1,000.00	0.029	0.438	0.438	Free Surface	4.692	0.313	0.212	0.209	0.309	2.128	2.063	Yes	0.215	4.494			
FUP8	FUMH7	2539	8	1,000.00	0.024	0.169	0.169	Free Surface	3.317	0.203	0.091	0.136	0.188	1.898	1.864	Yes	0.158	2.658			
FUP8	FUMH7	2539	8	1,000.00	0.024	0.169	0.169	Free Surface	3.317	0.203	0.091	0.136	0.188	1.898	1.864	Yes	0.158	2.658			
FUP80	FUMH79	2076	8	1,000.00	0.029	0.493	0.493	Free Surface	4.849	0.333	0.239	0.222	0.328	2.125	2.062	Yes	0.667	1.411			
FUP80	FUMH79	2076	8	1,000.00	0.029	0.493	0.493	Free Surface	4.849	0.333	0.239	0.222	0.328	2.125	2.062	Yes	0.667	1.411			
FUP82	FUMH81	FUMH83	8	540.89	0.007	0.089	0.089	Free Surface	1.758	0.202	0.089	0.135	0.135	1.009	0.991	Yes	0.163	1.343			
FUP82	FUMH81	FUMH83	8	540.89	0.007	0.089	0.089	Free Surface	1.758	0.202	0.089	0.135	0.135	1.009	0.991	Yes	0.163	1.343			
FUP84	FUMH83	FUMH85	8	1,000.00	0.007	0.177	0.177	Free Surface	2.148	0.286	0.179	0.191	0.193	1.023	0.991	Yes	0.213	1.841			
FUP84	FUMH83	FUMH85	8	1,000.00	0.007	0.177	0.177	Free Surface	2.148	0.286	0.179	0.191	0.193	1.023	0.991	Yes	0.213	1.841			
FUP86	FUMH85	2150	8	1,000.00	0.007	0.266	0.266	Free Surface	2.407	0.354	0.269	0.236	0.238	1.019	0.991	No	0.236	2.407			
FUP86	FUMH85	2150	8	1,000.00	0.007	0.266	0.266	Free Surface	2.407	0.354	0.269	0.236	0.238	1.019	0.991	No	0.236	2.407			
FUP88	FUMH87	FUMH89	8	224.23	0.028	0.089	0.089	Free Surface	2.917	0.142	0.044	0.095	0.135	2.012	2.036	Yes	0.114	2.237			
FUP88	FUMH87	FUMH89	8	224.23	0.028	0.089	0.089	Free Surface	2.917	0.142	0.044	0.095	0.135	2.012	2.036	Yes	0.114	2.237			
FUP90	FUMH89	FUMH91	8	1,000.00	0.028	0.177	0.177	Free Surface	3.581	0.2	0.087	0.133	0.193	2.07	2.035	Yes	0.148	3.079			
FUP90	FUMH89	FUMH91	8	1,000.00	0.028	0.177	0.177	Free Surface	3.581	0.2	0.087	0.133	0.193	2.07	2.035	Yes	0.148	3.079			
FUP92	FUMH91	FUMH93	8	1,000.00	0.028	0.266	0.266	Free Surface	4.032	0.244	0.131	0.163	0.238	2.093	2.036	Yes	0.176	3.624			
FUP92	FUMH91	FUMH93	8	1,000.00	0.028	0.266	0.266	Free Surface	4.032	0.244	0.131	0.163	0.238	2.093	2.036	Yes	0.176	3.624			
FUP96	FUMH93	2193	8	1,000.00	0.028	0.355	0.355	Free Surface	4.378	0.283	0.174	0.188	0.277	2.1	2.035	No	0.188	4.378			
FUP96	FUMH93	2193	8	1,000.00	0.028	0.355	0.355	Free Surface	4.378	0.283	0.174	0.188	0.277	2.1	2.035	No	0.188	4.378			
OPTB458	FUMH47	2735	8	1,000.00	0.021	1.009	1.009	Free Surface	5.199	0.544	0.575	0.363	0.477	1.695	1.754	No	0.363	5.199			
P484	MH22	1819	18	339.61	0.004	21.907	21.907	Pressurized	12.397	1	3.499	1.5	0.967	1.784	6.261	Yes	1.5	12.397	23.79	24	2
P486	2820	MH14	21	366.94	0.004	12.702	12.702	Pressurized	5.281	1	1.313	1.75	1.158	0.704	9.672	Yes	1.75	5.281	19.39	21	2
P488	MH14	MH16	21	340.76	0.004	12.702	12.702	Pressurized	5.281	1	1.294	1.75	1.166	0.704	9.813	Yes	1.75	5.281	19.39	21	2
P490	MH16	MH18	21	173.15	0.003	12.702	12.702	Pressurized	5.281	1	1.473	1.75	1.091	0.704	8.622	Yes	1.75	5.281	20.46	21	2
P492	MH18	MH20	21	290.84	0.004	12.702	12.702	Pressurized	5.281	1	1.337	1.75	1.147	0.704	9.5	Yes	1.75	5.281	19.39	21	2
P494	MH20	MH22	21	156.54	0.004	12.702	12.702	Pressurized	5.281	1	1.349	1.75	1.142	0.704	9.417	Yes	1.75	5.281	19.39	21	2
	477	252	12	150.67	0.004	0.113	0.113	Free Surface	1.546	0.148	0.048	0.148	0.137	0.852	2.364	Yes	0.226	0.845			
	2343	2336	8	131.37	0.034	0.074	0.074	Free Surface	2.945	0.125	0.033	0.083	0.124	2.17	2.225	Yes	0.106	2.068			
	1397	1396	8	398.99	0.033	0.069	0.069	Free Surface	2.864	0.122	0.031	0.081	0.119	2.141	2.203	Yes	0.082	2.842			
	168	401	10	343.61	0.025	0.099	0.099	Free Surface	2.796	0.116	0.029	0.097	0.134	1.916	3.461	Yes	0.152	1.445			
	2433	2432	8	125.03	0.015	0.004	0.004	Free Surface	0.939	0.039	0.003	0.026	0.029	1.25	1.497	Yes	0.045	0.413			

IDtext	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (cfs)	Peakable Flow (cfs)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth (ft)	Froude Number	Full Flow (cfs)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity (ft/s)	Parallel Pipe Sizes	Realistic Parallel Pipe Sizes	NumPipes
00001	371	333	8	157.63	0.032	0.109	0.109	Free Surfac	3.237	0.153	0.05	0.102	0.15	2.154	2.164	No	0.102	3.237			
00002	333	332	8	255.29	0.071	0.113	0.113	Free Surfac	4.341	0.128	0.035	0.085	0.153	3.162	3.234	Yes	0.086	4.286			
00003	14	15	8	196.51	0.008	0.033	0.033	Free Surfac	1.405	0.119	0.03	0.079	0.082	1.063	1.096	No	0.079	1.405			
00004	29	30	8	258.85	0.034	0.007	0.007	Free Surfac	1.423	0.04	0.003	0.026	0.036	1.881	2.25	Yes	0.667	0.019			
00005	49	50	8	112.93	0.012	0.046	0.046	Free Surfac	1.802	0.126	0.034	0.084	0.097	1.322	1.355	Yes	0.088	1.682			
00006	293	38	8	399.77	0.035	0.007	0.007	Free Surfac	1.432	0.039	0.003	0.026	0.036	1.898	2.271	Yes	0.486	0.024			
00007	27	26	8	259.87	0.019	3.973	3.973	Pressurized	11.383	1	2.367	0.667	0.597	2.457	1.679	Yes	0.667	11.383	9.36	10	2
00008	9	11	8	224.74	0.024	3.934	3.934	Pressurized	11.27	1	2.079	0.667	0.618	2.432	1.892	Yes	0.667	11.27	8.93	10	2
00009	201	200	8	390.95	0.031	0.013	0.013	Free Surfac	1.662	0.055	0.006	0.037	0.05	1.863	2.123	Yes	0.141	0.233			
00010	211	204	8	390.86	0.026	0.013	0.013	Free Surfac	1.569	0.057	0.006	0.038	0.05	1.724	1.954	Yes	0.21	0.133			
00011	212	213	8	262.57	0.023	0.013	0.013	Free Surfac	1.502	0.059	0.007	0.039	0.05	1.626	1.835	Yes	0.094	0.416			
00012	246	245	8	211.2	0.071	0.013	0.013	Free Surfac	2.229	0.045	0.004	0.03	0.05	2.759	3.236	Yes	0.035	1.793			
00013	231	230	8	207.17	0.006	0.013	0.013	Free Surfac	0.936	0.081	0.013	0.054	0.05	0.861	0.931	Yes	0.177	0.168			
00014	248	250	8	300.34	0	0.013	0.013	Free Surfac	0.3	0.177	0.068	0.118	0.05	0.184	0.183	No	0.118	0.3			
00015	225	226	12	228.22	0.066	0.013	0.013	Free Surfac	2.047	0.028	0.001	0.028	0.045	2.645	9.203	Yes	0.045	0.987			
00016	227	226	12	226.03	0.013	0.013	0.013	Free Surfac	1.173	0.04	0.003	0.04	0.045	1.256	4.127	Yes	0.052	0.814			
00017	222	223	8	77.86	0.037	0.013	0.013	Free Surfac	1.773	0.053	0.005	0.035	0.05	2.031	2.329	Yes	0.061	0.776			
00018	975	974	8	197.58	0.013	0.098	0.098	Free Surfac	2.27	0.182	0.072	0.121	0.143	1.378	1.364	No	0.121	2.27			
00019	974	973	8	228.13	0.025	0.101	0.101	Free Surfac	2.9	0.157	0.053	0.104	0.145	1.902	1.907	Yes	0.111	2.652			
00020	872	964	8	105.6	0.043	0.033	0.033	Free Surfac	2.507	0.08	0.013	0.054	0.082	2.319	2.509	Yes	0.061	2.078			
00021	964	965	8	126.90	0.028	0.044	0.044	Free Surfac	2.346	0.102	0.022	0.068	0.095	1.92	2.015	Yes	0.074	2.061			
00022	973	972	8	123.8	0.017	0.105	0.105	Free Surfac	2.54	0.175	0.067	0.117	0.147	1.571	1.559	Yes	0.137	2.016			
00023	2845	228	8	265.75	0.055	0.45	0.45	Free Surfac	5.938	0.269	0.159	0.18	0.313	2.923	2.835	Yes	0.244	3.901			
00024	255	254	12	334.72	0.009	0.013	0.013	Free Surfac	1.021	0.044	0.004	0.044	0.045	1.043	3.381	Yes	1	0.016			
00025	332	331	8	225.68	0.071	0.118	0.118	Free Surfac	4.394	0.13	0.036	0.087	0.156	3.172	3.238	No	0.087	4.394			
00026	331	330	8	212.99	0.092	0.122	0.122	Free Surfac	4.849	0.125	0.033	0.083	0.159	3.578	3.67	Yes	0.093	4.113			
00027	330	329	8	141.51	0.04	0.126	0.126	Free Surfac	3.676	0.155	0.052	0.103	0.162	2.427	2.436	Yes	0.122	2.903			
00028	329	328	8	119.97	0.013	0.131	0.131	Free Surfac	2.456	0.21	0.096	0.14	0.165	1.382	1.355	Yes	0.157	2.078			
00029	328	327	8	366.29	0.005	0.135	0.135	Free Surfac	1.851	0.262	0.15	0.175	0.168	0.925	0.898	No	0.175	1.851			
00030	327	326	8	168.92	0.006	0.139	0.139	Free Surfac	1.953	0.258	0.146	0.172	0.171	0.984	0.955	No	0.172	1.953			
00031	326	70	8	146.81	0.037	0.144	0.144	Free Surfac	3.693	0.169	0.062	0.112	0.173	2.331	2.322	Yes	0.129	3.043			
00032	68	70	8	231.48	0.003	0.009	0.009	Free Surfac	0.668	0.08	0.013	0.053	0.042	0.62	0.671	Yes	0.099	0.269			
00033	69	68	8	279.74	0.007	0.004	0.004	Free Surfac	0.721	0.047	0.004	0.032	0.03	0.871	1.014	Yes	0.042	0.467			
00034	215	204	8	443.49	0.034	0.55	0.55	Free Surfac	5.272	0.339	0.248	0.226	0.348	2.285	2.219	Yes	0.304	3.551			
00035	221	215	8	350.13	0.056	0.025	0.025	Free Surfac	2.534	0.066	0.009	0.044	0.071	2.587	2.873	Yes	0.135	0.492			
00036	247	462	8	359.73	0.008	0.013	0.013	Free Surfac	1.034	0.076	0.012	0.051	0.05	0.985	1.074	Yes	0.123	0.284			
00038	67	70	8	205.64	0.071	0.065	0.065	Free Surfac	3.679	0.098	0.02	0.066	0.116	3.066	3.233	Yes	0.105	1.848			
00039	66	67	8	131.93	0.011	0.061	0.061	Free Surfac	1.873	0.149	0.048	0.099	0.112	1.261	1.27	No	0.099	1.873			
00040	265	66	8	385.21	0.007	0.004	0.004	Free Surfac	0.719	0.048	0.004	0.032	0.03	0.867	1.009	Yes	0.066	0.246			
00041	325	66	8	115.49	0.045	0.004	0.004	Free Surfac	1.375	0.031	0.002	0.021	0.03	2.067	2.568	Yes	0.06	0.28			
00042	70	324	8	216.8	0.031	0.222	0.222	Free Surfac	3.97	0.217	0.104	0.145	0.217	2.194	2.146	No	0.145	3.97			
00043	324	323	8	205.26	0.051	0.226	0.226	Free Surfac	4.747	0.194	0.083	0.13	0.219	2.782	2.74	Yes	0.135	4.498			
00044	323	322	8	131.92	0.039	0.231	0.231	Free Surfac	4.354	0.209	0.096	0.14	0.221	2.454	2.405	Yes	0.166	3.396			
00045	322	321	8	243.27	0.011	0.235	0.235	Free Surfac	2.808	0.289	0.183	0.193	0.223	1.329	1.288	No	0.193	2.808			
00046	321	95	8	141.12	0.023	0.24	0.24	Free Surfac	3.637	0.244	0.13	0.163	0.226	1.89	1.838	No	0.163	3.637			
00047	95	96	8	104.26	0.035	0.244	0.244	Free Surfac	4.24	0.222	0.108	0.148	0.228	2.318	2.265	Yes	0.155	3.974			
00048	257	9004	8	277.84	0.032	0.005	0.005	Free Surfac	1.293	0.037	0.002	0.024	0.033	1.778	2.151	No	0.024	1.293			
00050	96	97	8	278.81	0.028	0.248	0.248	Free Surfac	3.941	0.236	0.122	0.157	0.23	2.083	2.029	No	0.157	3.941			
00051	202	199	8	346.82	0.019	0.913	0.913	Free Surfac	4.927	0.524	0.541	0.349	0.453	1.646	1.686	No	0.349	4.927			
00052	37	24	8	66.41	0.008	0.072	0.072	Pressurized	1.773	0.174	0.066	0.116	0.122	1.1	1.093	Yes	0.667	0.207			
00053	87	86	8	480.88	0.005	0.429	0.429	Free Surfac	2.502	0.493	0.488	0.329	0.305	0.87	0.879	No	0.329	2.502			
00054	230	219	8	365.47	0.01	0.488	0.488	Free Surfac	3.234	0.447	0.411	0.298	0.327	1.195	1.187	No	0.298	3.234			
00055	219	218	8	426.29	0.05	0.5	0.5	Free Surfac	5.935	0.291	0.184	0.194	0.331	2.803	2.716	Yes	0.201	5.626			
00056	310	309	8	77.12	0.013	0.017	0.017	Free Surfac	1.341	0.079	0.013	0.053	0.059	1.253	1.359	Yes	0.16	0.265			
00057	279	270	8	167.45	0.013	0.467	0.467	Free Surfac	3.528	0.405	0.344	0.27	0.319	1.382	1.358	Yes	0.667	1.338			
00058	18	9004	8	248.43	0.035	0.149	0.149	Free Surfac	3.655	0.174	0.066	0.116	0.176	2.27	2.254	No	0.116	3.655			
00059	19	18	8	188.89	0.009	0.128	0.128	Free Surfac	2.143	0.227	0.113	0.151	0.163	1.157	1.129	No	0.151	2.143			
00060	47	206	8	133.01	0.052	0.005	0.005	Free Surfac	1.54	0.033	0.002	0.022	0.033	2.248	2.769	Yes	0.023	1.376			
00061	207	210	8	120.88	0.103	0.016	0.016	Free Surfac	2.726	0.046	0.004	0.031	0.057	3.327	3.886	Yes	0.046	1.528			
00062	206	207	8	121.85	0.094	0.011	0.011	Free Surfac	2.338	0.039	0.003	0.026	0.046	3.109	3.723	Yes	0.027	2.215			
00063	235	229	8	235.94	0.003	0.165	0.165	Free Surfac	1.602	0.337	0.244	0.224	0.186	0.698	0.677	No	0.224	1.602			
00066	43	42	8	78.67	0.055	0.053	0.053	Free Surfac	3.168	0.095	0.019	0.063	0.104	2.694	2.854	Yes	0.072	2.609			
00067	42	20	8	129.67	0.029	0.058	0.058	Free Surfac	2.59	0.116	0.028	0.077	0.109	1.985	2.053	Yes	0.089	2.114			
00068	45	44	8	301.83	0.11	0.053	0.053	Free Surfac	4.023	0.081	0.013	0.054	0.104	3.715	4.018	Yes	0.057	3.721			
00069	44	20	8	109.23	0.079	0.058	0.058	Free Surfac	3.691	0.091	0.017	0.061	0.109	3.201	3.408	Yes	0.081	2.439			
00070	616	844	8	121.06	0.029	0.011	0.011	Free Surfac	1.568	0.052	0.005	0.035	0.047	1.802	2.068	Yes	0.085	0.426			
00071	1720	1115	15	493.74	0.018	3.761	3.761	Free Surfac	6.773	0.463	0.437	0.578	0.784	1.788	8.6	No	0.578	6.773			
00072	20	19	8	143.61	0.045	0.122	0.122	Free Surfac	3.783	0.148	0.048	0.099	0.16	2.554	2.573	Yes	0.123	2.755			
00073	448	229	8	48.02	0.012	0.005	0.005	Pressurized	0.923	0.045	0.004	0.03	0.032	1.143	1.34	Yes	0.667	0.015			
00074	405	406	12	212.95	0.01	0.618	0.618	Free Surfac	3.453	0.279	0.17	0.279	0.327	1.362	3.639	No	0.279	3.453			
00075	80	79	8	95.06	0.054	0.01	0.01	Free Surfac	1.91	0.044	0.004	0.029	0.046	2.39	2.812	Yes	0.032	1.676			
00076	79	78	8	130.13	0.059	0.016	0.016	Free Surfac	2.23	0.052	0.005	0.035	0.056	2.562	2.941	Yes	0.038	1.991			
00077	78	82	8	122.6	0.056	0.021	0.021	Free Surfac	2.39	0.061	0.007	0.04	0.065	2.55	2.866	Yes	0.045	2.016			
00078	82	405	8	236.75	0.035	0.026	0.026	Free Surfac	2.164	0.075	0.012	0.05	0.073	2.067	2.255	Yes	0.165	0.387			
00079	81	80	8	104.95	0.006	0.005	0.005	Free Surfac	0.721	0.053	0.006	0.036	0.032	0.82	0.939	No	0.036	0.721			
00080	298	92	8	172.66	0.034	0.005	0.005	Free Surfac	1.322	0.036	0.002	0.024	0.032	1.847	2.245	Yes	0.186	0.065			
00081	94	320	8	134.31	0.009	0.004	0.004	Free Surfac	0.801	0.044	0.004	0.029	0.03	1.001	1.178	Yes	0.163	0.066			
00082	408	409	8	210.83	0.014	0.793	0.793	Free Surfac	4.208	0.531	0.553	0.354	0.421	1.394	1.433	Yes	0.397	3.652			
00083	267	264	8	299.68	0.067	0.005	0.005	Free Surfac	1.677	0.031	0.002	0.021	0.033	2.52	3.131	Yes	0.027	1.098			
00084	72	73	8	131.4	0.075	0.047	0.047	Free Surfac	3.379	0.083	0.014	0.055	0.098	3.072	3.309	Yes	0.064	2.718			
00086	179	163	8	124.48	0.009	0.01	0.01	Free Surfac	1.038	0.067	0.009	0.044	0.046	1.055	1.17	No	0.044	1.038			
00087	395	179	8	220.51	0.012	0.005	0.005	Free Surfac	0.905	0.046	0.004	0.031	0.032	1.112	1.301	Yes	0.039	0.63			
00088	163	162	8	172.79	0.034	0.016	0.016	Free Surfac	1.84	0.06	0.007	0.04	0.056	1.98	2.231	Yes	0.051	1.266			
00090	161	160	8	62.69	0.029	0.01	0.01	Free Surfac	1.545	0.051	0.005	0.034	0.046	1.799	2.072	Yes	0.036	1.399			
00091	178	161	8	348.89	0.027	0.005	0.005	Free Surfac	1.213	0.038	0.003	0.025	0.032	1.646	1.984	Yes	0.031	0.906			
00092	160	159	8	124.57	0.06	0.016	0.016	Free Surfac	2.249	0.052	0.005	0.035	0.056	2.591	2.977	Yes	0.042	1.687			
00093	159	172	8	311.19	0.024	0.021	0.021	Free Surfac	1.769	0.074	0.011	0.05	0.065	1.702	1.861	Yes	0.066	1.153			
00094	396	162	8	66.73	0.014	0.01	0.01	Free Surfac	1.198	0.061	0.007	0.04	0.046	1.279	1.438	Yes	0.051	0.836			
00095	397	396	8	279.08	0.006	0.005	0.005	Free Surfac	0.723	0.053	0.006	0.036	0.032	0.824	0.943	Yes	0.038	0.656			
00096	441	177	8	304.83	0.009	0.016	0.016	Free Surfac	1.157	0.082	0.014	0.054	0.056	1.062	1.147	Yes	0.058	1.056			
00097	176	441	8	161.09	0.013	0.005	0.005	Free Surfac	0.942	0.045	0.004	0.03	0.032	1.173	1.378	Yes	0.044	0.535			
00098	89	266	8	176.39	0.013	0.078	0.078	Free Surfac	2.113	0.162	0.057	0.108	0.127	1.36	1.359	No	0.108	2.113			
00099	177	89	8	265.03	0.01	0.021	0.021	Free Surfac	1.293	0.092	0.018	0.061	0.065	1.115	1.186	Yes	0.085	0.804			
00100	88	441	8	84.62	0.009	0.005	0.005	Free Surfac	0.846	0.048	0.004	0.032	0.032	1.015	1.18	Yes	0.045	0.515			
00101	65	2967	8	306	0.005	0.047	0.047	Free Surfac	1.288	0.161	0.056	0.107	0.098	0.834	0.834	Yes	0.12	1.094			
00102	175	182	8	81.13	0.024	0.016	0.016	Free Surfac	1.621	0.065	0.008	0.043	0.056	1.67	1.859	Yes	0.066	0.871			
00103	425	422	8	321.18	0.032	0.013	0.013	Free Surfac	1.706	0.056	0.006	0.037	0.051	1.899	2.16	Yes	0.064	0.764			
00104	185	389	8	155.04	0.069	0.151	0.151	Free Surfac	4.665	0.148	0.047	0.099	0.178	3.15	3.174	Yes	0.111	3.927			
00105	379	191	8	351	0.032	0.057	0.057	Free Surfac	2.686	0.111	0.026	0.074	0.108	2.102	2.184	Yes	0.081	2.362			
00106	297	191	8	328.70	0.041	0.005	0.005	Free Surfac	1.409	0.034	0.002	0.023	0.032	2.011	2.461	Yes	0.055	0.377			
00107	191	190	8	338.93	0.022	0.067	0.067	Free Surfac	2.482	0.132	0.037	0.088	0.118	1.782	1.817	Yes	0.097	2.151			
00108	190	185	8	133.36	0.048	0.145	0.145	Free Surfac	4.069	0.159	0.055	0.106	0.174	2.649	2.652	No	0.106	4.069			
00109	388	190	8	131.74	0.05	0.073	0.073	Free Surfac	3.349	0.113	0.027	0.075	0.122	2.602	2.7	Yes	0.091	2.554			
00110	387	388	8	390.28	0.034	0.067	0.067	Free Surfac	2.878	0.119	0.03	0.079	0.118	2.177	2.244	No	0.079	2.878			
00111	192	296	8	335.22	0.006	0.005	0.005	Free Surfac	0.733	0.053	0.005	0.035	0.032	0.839	0.961	Yes	0.041	0.59			
00112	62	384	8	299.84	0.007	0.01	0.01	Free Surfac	0.947	0.071	0.01	0.047	0.046	0.933	1.026	Yes	0.054	0.789			
00113	386	387	8	240.85	0.004	0.057	0.057	Free Surfac	1.3	0.184	0.074	0.122	0.108	0.785	0.777	No	0.122	1.3			
00114	106	386	8	281.77	0.006	0.052	0.052	Free Surfac	1.429	0.161	0.056	0.107	0.103	0.924	0.924	Yes	0.115	1.295			
00115	296	385	8	374.69	0.008	0.01	0.01	Free Surfac	0.977	0.069	0.01	0.046	0.046	0.973	1.073	Yes	0.05	0.864			
00116	384	109	8	250.06	0.006	0.016	0.016	Free Surfac	1.006	0.09	0.017	0.06	0.056	0.88	0.938	Yes	0.061	0.973			
00117	61	387	8	249.57	0.037	0.005	0.005	Free Surfac	1.357	0.035	0.002	0.023	0.032	1.913	2.331	Yes	0.051	0.42			
00118	108	107	8	299.73	0.024	0.026	0.026	Free Surfac	1.895	0.083	0.014	0.055	0.073	1.728	1.863	Yes	0.064	1.513			
00119	109	108	8	242.69	0.009	0.021	0.021	Free Surfac	1.256	0.094	0.018	0.063	0.065	1.073	1.138	No	0.063	1.256			
00120	385	107	8	389.95	0.009	0.016	0.016	Free Surfac	1.156	0.082	0.014	0.054	0.056	1.06	1.145	Yes	0.064	0.914			
00121	107	106	8	298.81	0.023	0.047	0.047	Free Surfac	2.242	0.11	0.025	0.073	0.098	1.767	1.838	Yes	0.09	1.652			
00122	440	382	8	302.03	0.007	0.036	0.036	Free Surfac	1.342	0.131	0.037	0.088	0.086	0.964	0.983	Yes	0.092	1.254			
00123	381	440	8	302.01	0.023	0.031	0.031	Free Surfac	1.971	0.091	0.017	0.061	0.08	1.711	1.822	Yes	0.074	1.468			
00124	382	65	8	256.87	0.006	0.042	0.042	Free Surfac	1.345	0.144	0.045	0.096	0.092	0.922	0.932	Yes	0.102	1.238			

00125	64	381	8	343.73	0.008	0.01	0.01	Free Surfac	0.998	0.069	0.009	0.046	0.046	1	1.105	Yes	0.053	0.798			
00126	380	64	8	349.67	0.007	0.005	0.005	Free Surfac	0.757	0.052	0.005	0.034	0.032	0.875	1.006	Yes	0.04	0.605			
00127	184	383	8	377.61	0.008	0.005	0.005	Free Surfac	0.797	0.05	0.005	0.033	0.032	0.938	1.084	Yes	0.04	0.598			
00128	383	183	8	393.28	0.007	0.01	0.01	Free Surfac	0.942	0.071	0.01	0.047	0.046	0.926	1.018	No	0.047	0.942			
00129	183	381	8	295.96	0.022	0.016	0.016	Free Surfac	1.583	0.066	0.009	0.044	0.056	1.617	1.797	Yes	0.052	1.225			
00130	403	93	8	119.35	0.004	0.27	0.27	Free Surfac	1.993	0.412	0.355	0.274	0.24	0.773	0.76	Yes	0.327	1.583			
00131	92	403	8	128.17	0.002	0.265	0.265	Free Surfac	1.432	0.523	0.54	0.349	0.238	0.479	0.49	No	0.349	1.432			
00132	76	77	8	87.89	0.015	0.244	0.244	Free Surfac	3.132	0.275	0.165	0.183	0.228	1.526	1.479	Yes	0.206	2.654			
00133	77	299	8	162.45	0.007	0.249	0.249	Free Surfac	2.342	0.344	0.255	0.229	0.23	1.007	0.979	No	0.229	2.342			
00134	299	92	8	132.74	0.013	0.254	0.254	Free Surfac	2.99	0.293	0.187	0.195	0.233	1.407	1.363	Yes	0.272	1.9			
00135	74	75	8	213.12	0.027	0.057	0.057	Free Surfac	2.532	0.116	0.028	0.077	0.108	1.941	2.007	Yes	0.083	2.266			
00136	75	76	8	117.96	0.018	0.062	0.062	Free Surfac	2.23	0.134	0.039	0.089	0.113	1.585	1.613	Yes	0.136	1.214			
00137	393	76	8	341.19	0.027	0.177	0.177	Free Surfac	3.511	0.202	0.089	0.134	0.193	2.018	1.983	Yes	0.159	2.77			
00138	73	74	8	180.12	0.029	0.052	0.052	Free Surfac	2.499	0.11	0.025	0.073	0.103	1.972	2.053	Yes	0.075	2.397			
00139	391	393	8	329.5	0.025	0.171	0.171	Free Surfac	3.382	0.203	0.09	0.135	0.19	1.939	1.904	No	0.135	3.382			
00140	389	391	8	326	0.031	0.161	0.161	Free Surfac	3.602	0.186	0.075	0.124	0.184	2.162	2.137	Yes	0.129	3.378			
00141	392	391	8	271.74	0.005	0.005	0.005	Free Surfac	0.67	0.056	0.006	0.037	0.032	0.743	0.844	Yes	0.086	0.196			
00142	390	389	8	356.53	0.006	0.005	0.005	Free Surfac	0.734	0.053	0.005	0.035	0.032	0.84	0.962	Yes	0.08	0.221			
00143	170	169	10	222.49	0.029	0.088	0.088	Free Surfac	2.841	0.106	0.024	0.089	0.127	2.036	3.715	Yes	0.102	2.309			
00144	158	157	10	300.41	0.033	0.275	0.275	Free Surfac	4.193	0.178	0.069	0.148	0.227	2.303	3.99	No	0.148	4.193			
00145	171	170	8	178.97	0.036	0.078	0.078	Free Surfac	3.05	0.126	0.034	0.084	0.127	2.238	2.293	Yes	0.086	2.935			
00146	155	154	8	215.82	0.006	0.161	0.161	Free Surfac	2.012	0.28	0.171	0.187	0.184	0.97	0.94	Yes	0.196	1.875			
00147	167	164	8	288.62	0.022	0.005	0.005	Free Surfac	1.125	0.04	0.003	0.026	0.032	1.489	1.78	Yes	0.088	0.191			
00148	154	401	8	240.59	0.004	0.166	0.166	Free Surfac	1.809	0.309	0.208	0.206	0.187	0.826	0.8	Yes	0.207	1.798			
00149	400	170	8	349.75	0.006	0.005	0.005	Free Surfac	0.721	0.053	0.006	0.036	0.032	0.82	0.939	Yes	0.062	0.317			
00150	186	187	8	102.26	0.02	0.01	0.01	Free Surfac	1.362	0.056	0.006	0.037	0.046	1.518	1.728	Yes	0.04	1.219			
00151	2604	186	8	119.88	0.028	0.005	0.005	Free Surfac	1.233	0.037	0.003	0.025	0.032	1.683	2.031	Yes	0.031	0.889			
00152	398	172	8	186.02	0.022	0.005	0.005	Free Surfac	1.134	0.039	0.003	0.026	0.032	1.505	1.801	Yes	0.055	0.383			
00153	172	399	8	327	0.006	0.031	0.031	Free Surfac	1.244	0.125	0.033	0.083	0.08	0.919	0.943	Yes	0.085	1.197			
00154	173	166	8	241.64	0.027	0.005	0.005	Free Surfac	1.211	0.038	0.003	0.025	0.032	1.642	1.979	Yes	0.04	0.614			
00155	166	394	8	225.9	0.029	0.031	0.031	Free Surfac	2.145	0.086	0.015	0.057	0.08	1.917	2.057	Yes	0.087	1.158			
00156	187	165	8	332.44	0.025	0.016	0.016	Free Surfac	1.65	0.064	0.008	0.043	0.056	1.71	1.907	Yes	0.048	1.394			
00157	165	166	8	109.04	0.018	0.021	0.021	Free Surfac	1.597	0.08	0.013	0.053	0.065	1.483	1.606	Yes	0.054	1.572			
00158	174	171	8	153.77	0.033	0.036	0.036	Free Surfac	2.35	0.09	0.017	0.06	0.086	2.055	2.192	Yes	0.073	1.753			
00159	162	174	8	189.56	0.02	0.031	0.031	Free Surfac	1.882	0.094	0.018	0.063	0.08	1.607	1.705	No	0.063	1.882			
00160	71	72	8	233.83	0.039	0.042	0.042	Free Surfac	2.605	0.092	0.017	0.061	0.092	2.254	2.398	No	0.061	2.605			
00161	374	71	8	101.19	0.05	0.036	0.036	Free Surfac	2.724	0.081	0.013	0.054	0.086	2.507	2.709	Yes	0.058	2.485			
00162	373	374	8	217.15	0.067	0.031	0.031	Free Surfac	2.877	0.07	0.01	0.047	0.08	2.845	3.133	Yes	0.05	2.582			
00163	1830	373	8	342.17	0.042	0.016	0.016	Free Surfac	1.987	0.057	0.006	0.038	0.056	2.195	2.492	Yes	0.042	1.676			
00164	375	373	8	164.04	0.011	0.01	0.01	Free Surfac	1.086	0.065	0.008	0.043	0.046	1.12	1.248	Yes	0.045	1.019			
00165	372	375	8	224.15	0.04	0.005	0.005	Free Surfac	1.4	0.034	0.002	0.023	0.032	1.993	2.437	Yes	0.033	0.809			
00166	311	91	8	302.51	0.003	0.749	0.749	Pressurized	2.146	1	1.223	0.667	0.368	0.463	0.612	No	0.667	2.146	7.08	8	2
00167	114	89	8	168.17	0.018	0.052	0.052	Free Surfac	2.143	0.122	0.032	0.081	0.103	1.602	1.648	Yes	0.095	1.711			
00168	90	114	8	272.04	0.006	0.047	0.047	Free Surfac	1.406	0.151	0.049	0.101	0.098	0.94	0.945	No	0.101	1.406			
00169	169	168	10	197.92	0.011	0.093	0.093	Free Surfac	2.093	0.136	0.04	0.114	0.131	1.32	2.343	No	0.114	2.093			
00170	401	158	10	255.53	0.008	0.27	0.27	Free Surfac	2.538	0.25	0.137	0.208	0.225	1.164	1.977	No	0.208	2.538			
00171	157	156	10	275.85	0.04	0.28	0.28	Free Surfac	4.499	0.172	0.064	0.143	0.229	2.518	4.375	Yes	0.184	3.135			
00172	402	93	10	147.36	0.041	0.291	0.291	Free Surfac	4.617	0.173	0.065	0.144	0.234	2.574	4.47	Yes	0.262	1.978			
00173	181	90	8	94.10	0.017	0.042	0.042	Free Surfac	1.951	0.111	0.026	0.074	0.092	1.526	1.586	Yes	0.089	1.51			
00174	182	181	8	184.27	0.005	0.031	0.031	Free Surfac	1.131	0.133	0.038	0.089	0.08	0.808	0.823	No	0.089	1.131			
00175	168	401	10	343.61	0.025	0.099	0.099	Free Surfac	2.796	0.116	0.029	0.097	0.134	1.916	3.461	Yes	0.152	1.445			
00176	156	402	10	129.49	0.007	0.286	0.286	Free Surfac	2.403	0.27	0.16	0.225	0.232	1.057	1.79	No	0.225	2.403			
00177	93	404	12	112.82	0.003	0.566	0.566	Free Surfac	2.064	0.38	0.307	0.38	0.313	0.684	1.842	No	0.38	2.064			
00178	404	85	12	382.73	0.009	0.571	0.571	Free Surfac	3.227	0.277	0.167	0.277	0.314	1.279	3.416	No	0.277	3.227			
00179	84	83	12	334.57	0.044	0.582	0.582	Free Surfac	5.666	0.188	0.078	0.188	0.317	2.756	7.498	No	0.188	5.666			
00180	85	84	12	299.71	0.039	0.576	0.576	Free Surfac	5.421	0.193	0.082	0.193	0.315	2.603	7.07	No	0.193	5.421			
00181	83	405	12	92.61	0.057	0.587	0.587	Free Surfac	6.229	0.177	0.069	0.177	0.318	3.127	8.546	Yes	0.228	4.35			
00182	407	98	12	390.86	0.007	0.629	0.629	Free Surfac	2.974	0.315	0.215	0.315	0.33	1.098	2.934	Yes	0.374	2.344			
00183	406	407	12	408.07	0.031	0.624	0.624	Free Surfac	5.096	0.213	0.099	0.213	0.329	2.323	6.27	Yes	0.264	3.766			
00184	97	98	8	192.78	0.03	0.253	0.253	Free Surfac	4.038	0.235	0.121	0.157	0.232	2.139	2.084	Yes	0.296	1.691			
00185	417	418	8	216.17	0.041	0.004	0.004	Free Surfac	1.334	0.031	0.002	0.021	0.03	1.984	2.458	Yes	0.028	0.849			
00186	418	415	8	213.43	0.017	0.009	0.009	Free Surfac	1.202	0.054	0.006	0.036	0.042	1.364	1.56	Yes	0.048	0.773			
00187	316	409	12	300.16	0.013	1.078	1.078	Free Surfac	4.39	0.351	0.264	0.351	0.437	1.525	4.086	Yes	0.395	3.73			
00188	422	433	8	284.24	0.029	0.083	0.083	Free Surfac	2.901	0.136	0.04	0.091	0.131	2.047	2.08	Yes	0.667	0.237			
00189	91	408	8	234.71	0.004	0.788	0.788	Free Surfac	2.644	0.797	0.973	0.531	0.42	0.625	0.81	No	0.531	2.644	6.84	8	2
00190	1833	371	8	215.67	0.041	0.035	0.035	Free Surfac	2.504	0.083	0.014	0.056	0.084	2.271	2.445	Yes	0.079	1.506			
00191	1847	371	8	158.62	0.013	0.07	0.07	Free Surfac	2.053	0.153	0.051	0.102	0.12	1.361	1.367	No	0.102	2.053			
00192	445	210	8	113.29	0.005	0.005	0.005	Free Surfac	0.689	0.056	0.006	0.037	0.033	0.765	0.87	Yes	0.049	0.461			
00193	455	312	12	78.86	0.006	1.879	1.879	Free Surfac	3.899	0.59	0.654	0.59	0.584	0.982	2.873	No	0.59	3.899			
00194	266	189	8	198.35	0.029	0.083	0.083	Free Surfac	2.891	0.137	0.04	0.091	0.131	2.035	2.066	Yes	0.115	2.067			
00195	189	294	8	159.1	0.007	0.093	0.093	Free Surfac	1.776	0.208	0.095	0.139	0.139	1.004	0.984	No	0.139	1.776			
00196	409	455	12	14.82	0.017	1.875	1.875	Free Surfac	5.592	0.442	0.404	0.442	0.583	1.697	4.639	Yes	0.516	4.587			
00197	204	200	8	308.08	0.006	0.575	0.575	Free Surfac	2.747	0.579	0.635	0.386	0.356	0.858	0.905	No	0.386	2.747			
00198	220	221	8	215.93	0.061	0.013	0.013	Free Surfac	2.113	0.047	0.004	0.031	0.05	2.57	2.998	Yes	0.036	1.676			
00199	218	215	8	352.12	0.04	0.513	0.513	Free Surfac	5.489	0.313	0.213	0.209	0.335	2.489	2.412	Yes	0.218	5.178			
00200	251	252	8	430.53	0.018	0.263	0.263	Free Surfac	3.42	0.272	0.162	0.181	0.237	1.675	1.624	Yes	0.242	2.29			
00201	252	253	8	58.29	0.006	0.388	0.388	Free Surfac	2.502	0.456	0.426	0.304	0.29	0.913	0.91	No	0.304	2.502			
00202	250	249	12	217.97	0.032	0.025	0.025	Free Surfac	1.96	0.045	0.004	0.045	0.064	1.975	6.374	Yes	0.096	0.649			
00203	243	249	8	58.21	0.001	0.05	0.05	Free Surfac	0.849	0.225	0.111	0.15	0.101	0.46	0.449	No	0.15	0.849			
00204	463	462	8	370.82	0.052	0.213	0.213	Free Surfac	4.68	0.188	0.077	0.125	0.212	2.792	2.757	Yes	0.16	3.305			
00205	549	463	8	262.9	0.045	0.075	0.075	Free Surfac	3.262	0.117	0.029	0.078	0.124	2.483	2.564	Yes	0.1	2.281			
00206	465	468	8	195.07	0.014	0.113	0.113	Free Surfac	2.448	0.189	0.078	0.126	0.153	1.455	1.435	Yes	0.138	2.158			
00207	466	465	8	147.57	0.054	0.088	0.088	Free Surfac	3.644	0.121	0.031	0.081	0.134	2.732	2.812	Yes	0.103	2.537			
00208	249	242	8	226.56	0.005	0.088	0.088	Free Surfac	1.537	0.22	0.106	0.147	0.134	0.844	0.825	No	0.147	1.537			
00209	242	241	8	171.77	0.024	0.1	0.1	Free Surfac	2.835	0.158	0.054	0.105	0.144	1.854	1.858	No	0.105	2.835			
00210	241	233	8	225.36	0.077	0.113	0.113	Free Surfac	4.462	0.125	0.033	0.083	0.153	3.288	3.372	Yes	0.09	3.972			
00211	233	232	8	399.38	0.058	0.125	0.125	Free Surfac	4.149	0.141	0.043	0.094	0.161	2.87	2.906	Yes	0.111	3.256			
00212	232	213	8	255.71	0.043	0.213	0.213	Free Surfac	4.372	0.197	0.085	0.131	0.212	2.544	2.504	Yes	0.14	3.987			
00213	213	214	8	267.92	0.033	0.238	0.238	Free Surfac	4.135	0.221	0.108	0.148	0.225	2.262	2.21	Yes	0.153	3.947			
00214	214	216	8	203.65	0.031	0.25	0.25	Free Surfac	4.112	0.23	0.116	0.154	0.231	2.202	2.148	Yes	0.164	3.738			
00215	217	203	8	206.22	0.025	0.013	0.013	Free Surfac	1.553	0.058	0.006	0.038	0.05	1.701	1.926	Yes	0.112	0.325			
00216	216	203	8	254.04	0.02	0.263	0.263	Free Surfac	3.535	0.266	0.154	0.177	0.237	1.754	1.701	Yes	0.181	3.431			
00217	203	457	8	258.99	0.02	0.288	0.288	Free Surfac	3.636	0.278	0.169	0.185	0.248	1.761	1.707	Yes	0.253	2.372			
00218	200	202	8	412.43	0.03	0.6	0.6	Free Surfac	5.171	0.367	0.287	0.245	0.364	2.144	2.09	Yes	0.298	3.973			
00219	457	202	8	132.06	0.003	0.3	0.3	Free Surfac	1.811	0.48	0.467	0.32	0.254	0.64	0.643	Yes	0.336	1.703			
00220	245	244	8	190.43	0.055	0.025	0.025	Free Surfac	2.513	0.066	0.009	0.044	0.071	2.559	2.84	Yes	0.056	1.78			
00221	244	243	8	405.46	0.028	0.038	0.038	Free Surfac	2.242	0.095	0.019	0.063	0.087	1.907	2.021	Yes	0.107	1.041			
00222	226	224	8	262.02	0.024	0.038	0.038	Free Surfac	2.115	0.098	0.02	0.066	0.087	1.763	1.859	No	0.066	2.115			
00223	224	223	8	274.54	0.04	0.05	0.05	Free Surfac	2.787	0.099	0.021	0.066	0.101	2.315	2.438	Yes	0.077	2.231			
00224	223	232	8	418.92	0.024	0.075	0.075	Free Surfac	2.633	0.136	0.04	0.091	0.124	1.859	1.889	Yes	0.11	2			
00226	464	465	8	158.44	0.018	0.013	0.013	Free Surfac	1.372	0.063	0.008	0.042	0.05	1.439	1.611	Yes	0.084	0.491			
00227	550	466	8	229.13	0.027	0.063	0.063	Free Surfac	2.602	0.121	0.031	0.081	0.113	1.951	2.008	Yes	0.082	2.524			
00228	472	473	12	210.67	0.05	0.013	0.013	Free Surfac	1.855	0.03	0.002	0.03	0.045	2.319	7.988	Yes	0.05	0.858			
00229	474	469	12	190.23	0.033	0.013	0.013	Free Surfac	1.608	0.033	0.002	0.033	0.045	1.915	6.501	Yes	0.056	0.724			
00230	475	476	12	176.07	0.023	0.013	0.013	Free Surfac	1.427	0.035	0.002	0.035	0.045	1.632	5.472	Yes	0.071	0.502			
00231	473	469	12	281.37	0.026	0.05	0.05	Free Surfac	2.258	0.066	0.009	0.066	0.091	1.883	5.766	Yes	0.073	1.965			
00232	471	473	12	241.4	0.067	0.025	0.025	Free Surfac	2.545	0.038	0.003	0.038	0.064	2.8	9.281	Yes	0.054	1.518			
00233	469	476	12	272.53	0.027	0.075	0.075	Free Surfac	2.582	0.079	0.013	0.079	0.111	1.962	5.859	Yes	0.093	2.029			
00234	476	477	12	125.2	0.014	0.1	0.1	Free Surfac	2.25	0.106	0.024	0.106	0.129	1.475	4.247	Yes	0.127	1.721			
00235	470	471	12	286.15	0.01	0.013	0.013	Free Surfac	1.075	0.043	0.003	0.043	0.045	1.117	3.639	No	0.043	1.075			
00236	479	507	8	356.85	0.025	0.025	0.025	Free Surfac	1.901	0.079	0.013	0.053	0.07	1.77	1.919	Yes	0.133	0.497			
00237	369	363	8	262.52	0.025	0.603	0.603	Free Surfac	4.845	0.386	0.316	0.257	0.365	1.95	1.908	No	0.257	4.845			
00238	353	352	8	60.99	0.002	1.309	1.309	Pressurized	3.75	1	2.583	0.667	0.333	0.809	0.507	Yes	0.667	3.75	9.42	10	2
00239	362	563	8	122.43	0.034	0.81	0.81	Free Surfac	5.874	0.417	0.364	0.278	0.426	2.26	2.226	Yes	0.288	5.62			
00240	553	552	8	141.59	0.061	0.021	0.021	Free Surfac	2.468	0.059	0.007	0.04	0.065	2.661	3	Yes	0.061	1.293			
00241	705	552	8	251.41	0.024	0.083	0.083	Free Surfac	2.688	0.144	0.045	0.096	0.131	1.843	1.863	No	0.096	2.688			
00242	1137	1138	8	243.63	0.024	0.229	0.229	Free Surfac	3.63	0.236	0.122	0.157	0.22	1.919	1.869	No	0.157	3.63			
00243	1139	557	8	253.75	0.032	0.187	0.187	Free Surfac	3.796	0.199	0.086	0.133	0.199	2.199	2.163	No	0.133	3.796			
00244	1140	1139	8	160.37	0.066	0.166	0.166	Free Surfac	4.738	0.157	0.053	0.105	0.187	3.105	3.112	Yes	0.117	4.01			
00245	348	352	8	66.35	0.008	0.021	0.021	Pressurized	1.202	0.097	0.019	0.064	0.065	1.012	1.069	Yes	0.667	0.06			
00246	1057	1059	8	173.03	0.043	0.022	0.022	Free Surfac	2.229	0.066	0.009	0.044	0.067	2.273	2.524	Yes	0.067	1.217			
00247	1059	1060	8	296.24	0.005	0.033	0.033	Free Surfac	1.145	0.137	0.041	0.092	0.082	0.804	0.816	No	0.092	1.145			
00248	1060	1141	8	120.02	0.035	0.044	0.044	Free Surfac	2.542	0.097	0.02	0.065	0.095	2.134	2.254	Yes	0.067	2.436			
00249	1141	1673	8	116.4	0.032	0.055	0.055	Free Surfac	2.65	0.11	0.025	0.073	0.106	2.089	2.174	Yes	0.099	1.713			
00250	1074	1073	8	37.58	0.038	0.022	0.022	Free Surfac	2.137	0.068	0.009	0.045	0.067	2.148	2.376	Yes	0.051	1.792			
00251	1078	1074	8	312.46	0.02	0.011	0.011	Free Surfac	1.378	0.057	0.006	0.038	0.047	1.51	1.711	Yes	0.042	1.205			
00252	33	32	8	154.48	0.054	0.007	0.007	Free Surfac	1.661	0.036	0.002	0.024	0.036	2.315	2.812	Yes	0.037	0.864			

00253	34	13	8	255.38	0.005	0.007	0.007	Free Surfac	0.72	0.063	0.008	0.042	0.036	0.754	0.844	Yes	0.044	0.666			
00254	36	32	8	119.28	0.027	0.007	0.007	Free Surfac	1.314	0.042	0.003	0.028	0.036	1.691	2.006	Yes	0.039	0.798			
00255	35	14	8	262.11	0.006	0.007	0.007	Free Surfac	0.762	0.06	0.007	0.04	0.036	0.815	0.916	Yes	0.06	0.427			
00256	1281	1169	8	242.11	0.016	0.178	0.178	Free Surfac	2.904	0.232	0.118	0.155	0.194	1.549	1.51	Yes	0.667	0.511			
00257	496	2877	8	255.23	0.016	0.008	0.008	Free Surfac	1.173	0.052	0.005	0.035	0.041	1.349	1.549	Yes	0.542	0.027			
00258	528	546	8	209.06	0.005	1.154	1.154	Pressurized	3.306	1	1.315	0.667	0.444	0.714	0.878	No	0.667	3.306	7.56	8	2
00260	513	511	8	252.48	0.028	0.021	0.021	Free Surfac	1.873	0.071	0.01	0.047	0.065	1.843	2.027	Yes	0.052	1.634			
00261	59	60	8	235.46	0.035	0.008	0.008	Free Surfac	1.506	0.043	0.003	0.028	0.039	1.92	2.272	Yes	0.032	1.254			
00262	60	2848	8	331.79	0.05	0.015	0.015	Free Surfac	2.104	0.054	0.006	0.036	0.056	2.374	2.711	Yes	0.042	1.674			
00263	548	490	8	194.60	0.025	0.025	0.025	Free Surfac	1.907	0.079	0.013	0.053	0.07	1.778	1.928	Yes	0.106	0.69			
00264	489	548	8	280.59	0.007	0.016	0.016	Free Surfac	1.101	0.087	0.016	0.058	0.057	0.977	1.046	No	0.058	1.101			
00265	484	483	8	213.04	0.024	0.008	0.008	Free Surfac	1.342	0.048	0.004	0.032	0.041	1.615	1.878	Yes	0.037	1.091			
00266	468	463	8	131.37	0.008	0.125	0.125	Free Surfac	2.094	0.227	0.113	0.152	0.161	1.129	1.102	No	0.152	2.094			
00267	462	461	8	193.16	0.012	0.238	0.238	Free Surfac	2.89	0.286	0.178	0.19	0.225	1.378	1.336	Yes	0.201	2.677			
00269	193	142	12	348.65	0.007	0.665	0.665	Pressurized	2.988	0.326	0.23	0.326	0.34	1.081	2.889	Yes	1	0.847			
00270	141	2040	15	530.45	0.016	12.124	12.124	Pressurized	9.88	1	1.487	1.25	1.122	1.557	8.155	Yes	1.25	9.88	14.69	15	2
00272	529	530	8	330.63	0.025	0.01	0.01	Free Surfac	1.45	0.053	0.005	0.035	0.046	1.657	1.899	Yes	0.185	0.131			
00273	531	530	8	199.78	0.017	1.123	1.123	Free Surfac	4.918	0.622	0.71	0.415	0.503	1.458	1.582	No	0.415	4.918			
00275	833	645	8	229.96	0.007	0.027	0.027	Free Surfac	1.253	0.114	0.027	0.076	0.075	0.971	1.006	Yes	0.131	0.568			
00276	622	636	8	251.04	0.011	0.014	0.014	Pressurized	1.208	0.073	0.011	0.049	0.053	1.17	1.282	Yes	0.667	0.04			
00277	339	338	8	370.87	0.012	2.516	2.516	Pressurized	7.208	1	1.899	0.667	0.543	1.556	1.325	Yes	0.667	7.208	8.60	10	2
00278	338	680	8	240.23	0.025	2.528	2.528	Pressurized	7.241	1	1.309	0.667	0.621	1.563	1.931	Yes	0.667	7.241	7.51	8	2
00279	680	689	8	239.89	0.032	2.539	2.539	Pressurized	7.274	1	1.169	0.667	0.637	1.57	2.173	Yes	0.667	7.274	7.18	8	2
00280	340	339	8	185.91	0.009	2.495	2.495	Pressurized	7.148	1	2.16	0.667	0.51	1.543	1.155	Yes	0.667	7.148	9.05	10	2
00281	689	688	8	122.62	0.038	2.551	2.551	Pressurized	7.308	1	1.079	0.667	0.645	1.577	2.364	Yes	0.667	7.308	6.96	8	2
00282	688	687	8	119.04	0.02	2.586	2.586	Pressurized	7.408	1	1.511	0.667	0.6	1.599	1.711	Yes	0.667	7.408	7.89	8	2
00283	687	685	8	241.83	0.039	2.597	2.597	Pressurized	7.441	1	1.088	0.667	0.646	1.606	2.387	Yes	0.667	7.441	6.98	8	2
00284	686	685	8	280.17	0.003	0.012	0.012	Pressurized	0.689	0.095	0.019	0.063	0.048	0.584	0.619	Yes	0.667	0.033			
00285	685	699	8	221.55	0.039	2.621	2.621	Pressurized	7.507	1	1.091	0.667	0.646	1.62	2.402	Yes	0.667	7.507	7.00	8	2
00286	699	698	8	120.06	0.021	2.632	2.632	Pressurized	7.541	1	1.495	0.667	0.606	1.628	1.76	Yes	0.667	7.541	7.87	8	2
00287	698	336	8	337.93	0.02	2.644	2.644	Pressurized	7.574	1	1.539	0.667	0.601	1.635	1.718	Yes	0.667	7.574	7.96	8	2
00288	336	586	8	289.43	0.031	2.667	2.667	Pressurized	7.641	1	1.251	0.667	0.635	1.649	2.132	Yes	0.667	7.641	7.36	8	2
00289	337	336	8	280.16	0.009	0.012	0.012	Pressurized	1.07	0.071	0.01	0.047	0.048	1.057	1.163	Yes	0.667	0.033			
00290	586	585	8	301.67	0.026	2.679	2.679	Pressurized	7.674	1	1.377	0.667	0.622	1.656	1.945	Yes	0.667	7.674	7.62	8	2
00291	585	583	8	298.94	0.029	2.69	2.69	Pressurized	7.707	1	1.313	0.667	0.63	1.663	2.049	Yes	0.667	7.707	7.47	8	2
00292	583	582	8	228.31	0.023	2.702	2.702	Pressurized	7.74	1	1.478	0.667	0.612	1.671	1.828	Yes	0.667	7.74	7.82	8	2
00293	582	627	8	229.13	0.02	2.714	2.714	Pressurized	7.774	1	1.585	0.667	0.601	1.678	1.712	Yes	0.667	7.774	8.04	10	2
00294	627	628	8	221.23	0.037	2.725	2.725	Pressurized	7.807	1	1.173	0.667	0.643	1.685	2.323	Yes	0.667	7.807	7.17	8	2
00295	628	630	8	223.54	0.026	2.737	2.737	Pressurized	7.84	1	1.391	0.667	0.624	1.692	1.967	Yes	0.667	7.84	7.68	8	2
00296	629	630	8	314.87	0.004	0.012	0.012	Pressurized	0.8	0.086	0.015	0.057	0.048	0.715	0.767	Yes	0.667	0.033			
00297	630	640	8	241.93	0.04	2.76	2.76	Pressurized	7.907	1	1.145	0.667	0.646	1.707	2.41	Yes	0.667	7.907	7.10	8	2
00298	640	631	8	237.48	0.018	2.772	2.772	Pressurized	7.94	1	1.719	0.667	0.588	1.714	1.612	Yes	0.667	7.94	8.26	10	2
00299	834	631	8	299.65	0.009	0.012	0.012	Pressurized	1.051	0.071	0.01	0.048	0.048	1.032	1.134	Yes	0.667	0.033			
00300	631	835	8	246.8	0.029	2.795	2.795	Pressurized	8.007	1	1.348	0.667	0.631	1.728	2.074	Yes	0.667	8.007	7.58	8	2
00301	835	620	8	229.22	0.024	2.807	2.807	Pressurized	8.04	1	1.483	0.667	0.618	1.735	1.892	Yes	0.667	8.04	7.87	8	2
00302	620	632	8	240.05	0.014	2.818	2.818	Pressurized	8.073	1	1.963	0.667	0.562	1.743	1.436	Yes	0.667	8.073	8.72	10	2
00303	632	638	8	250.18	0.015	2.83	2.83	Pressurized	8.107	1	1.888	0.667	0.572	1.75	1.499	Yes	0.667	8.107	8.62	10	2
00304	664	652	12	325.42	0.027	0.14	0.14	Free Surfac	3.106	0.107	0.024	0.107	0.153	2.028	5.834	Yes	0.111	2.922			
00305	663	662	12	299.49	0.027	1.187	1.187	Pressurized	5.854	0.305	0.202	0.305	0.459	2.199	5.871	Yes	1	1.511			
00306	150	664	12	214.32	0.034	0.135	0.135	Free Surfac	3.348	0.099	0.021	0.099	0.15	2.27	6.588	Yes	0.103	3.168			
00307	442	268	8	206.8	0.018	0.193	0.193	Free Surfac	3.135	0.232	0.119	0.155	0.202	1.671	1.629	No	0.155	3.135			
00308	229	442	8	19.57	0.008	0.182	0.182	Free Surfac	2.281	0.279	0.17	0.186	0.196	1.101	1.067	No	0.186	2.281			
00309	448	447	8	111.12	0.001	0.001	0.001	Pressurized	0.25	0.045	0.004	0.03	0.017	0.31	0.363	Yes	0.667	0.004			
00310	236	234	21	321.25	0.003	7.067	7.067	Pressurized	4.225	0.656	0.767	1.148	0.983	0.742	9.22	Yes	1.75	2.938			
00311	234	292	21	343.7	0.006	7.079	7.079	Pressurized	5.389	0.536	0.562	0.938	0.984	1.095	12.595	Yes	1.75	2.943			
00312	292	3	18	56.41	0.012	11.369	11.369	Pressurized	7.465	0.804	0.982	1.206	1.287	1.163	11.572	Yes	1.5	6.434	15.14	18	2
00313	1459	1460	8	259.13	0.02	0.002	0.002	Pressurized	0.821	0.026	0.001	0.017	0.02	1.337	1.703	Yes	0.667	0.006			
00314	1460	1461	8	172.33	0.004	0.004	0.004	Pressurized	0.585	0.052	0.005	0.035	0.029	0.672	0.771	Yes	0.667	0.012			
00316	1458	1196	8	257.59	0.004	0.008	0.008	Pressurized	0.732	0.072	0.01	0.048	0.041	0.716	0.786	Yes	0.667	0.023			
00317	1196	1584	8	340.76	0.006	0.01	0.01	Pressurized	0.899	0.073	0.011	0.049	0.045	0.874	0.958	Yes	0.667	0.029			
00318	1585	1584	18	225.62	0.005	7.561	7.561	Pressurized	4.936	0.809	0.988	1.214	1.065	0.763	7.652	Yes	1.5	4.279	15.31	18	2
00319	1586	1585	18	267.56	0.003	7.559	7.559	Pressurized	4.278	1	1.396	1.5	0.897	0.615	5.416	Yes	1.5	4.278	16.85	18	2
00320	1587	1586	15	337.86	0.003	7.551	7.551	Pressurized	6.153	1	2.315	1.25	0.728	0.97	3.262	Yes	1.25	6.153	16.84	18	2
00321	1452	1586	8	473.12	0.006	0.006	0.006	Pressurized	0.753	0.058	0.007	0.039	0.035	0.821	0.928	Yes	0.667	0.018			
00322	1453	1452	8	466.95	0.004	0.004	0.004	Pressurized	0.561	0.054	0.006	0.036	0.029	0.635	0.726	Yes	0.667	0.012			
00323	1454	1453	8	149.09	0.004	0.002	0.002	Pressurized	0.474	0.038	0.003	0.025	0.02	0.64	0.771	Yes	0.667	0.006			
00324	1455	1456	8	132.22	0.004	0.002	0.002	Pressurized	0.46	0.039	0.003	0.026	0.02	0.616	0.739	Yes	0.667	0.006			
00325	1456	1457	8	316.99	0.004	0.004	0.004	Pressurized	0.577	0.053	0.005	0.035	0.029	0.658	0.755	Yes	0.667	0.012			
00326	1457	1458	8	407.63	0.003	0.006	0.006	Pressurized	0.599	0.068	0.009	0.045	0.035	0.603	0.668	Yes	0.667	0.018			
00327	1588	1587	15	204.90	0.003	7.452	7.452	Pressurized	6.073	1	2.197	1.25	0.743	0.957	3.392	Yes	1.25	6.073	16.76	18	2
00328	1589	1588	15	272.41	0.002	7.429	7.429	Pressurized	6.053	1	2.956	1.25	0.635	0.954	2.513	Yes	1.25	6.053	18.06	21	2
00329	525	491	8	347.7	0.031	0.005	0.005	Free Surfac	1.227	0.035	0.002	0.023	0.03	1.738	2.121	Yes	0.059	0.308			
00330	530	528	8	239.19	0.034	1.144	1.144	Free Surfac	6.446	0.507	0.511	0.338	0.507	2.202	2.238	Yes	0.667	3.277			
00331	143	2854	8	340.92	0.021	0.005	0.005	Free Surfac	1.067	0.038	0.003	0.025	0.03	1.442	1.735	Yes	0.028	0.935			
00332	517	531	8	213.39	0.019	1.113	1.113	Free Surfac	5.143	0.595	0.663	0.396	0.5	1.577	1.679	Yes	0.405	5.013			
00333	831	150	8	404.65	0.09	0.005	0.005	Free Surfac	1.78	0.027	0.001	0.018	0.03	2.859	3.626	Yes	0.059	0.308			
00334	520	519	8	109.22	0.037	0.01	0.01	Free Surfac	1.666	0.048	0.004	0.032	0.046	1.996	2.319	Yes	0.035	1.461			
00335	519	518	8	410.37	0.079	0.021	0.021	Free Surfac	2.693	0.056	0.006	0.037	0.065	3	3.414	Yes	0.04	2.367			
00336	518	517	8	400.57	0.066	0.031	0.031	Free Surfac	2.85	0.07	0.01	0.047	0.079	2.818	3.103	Yes	0.222	0.304			
00337	54	517	8	200.68	0.035	0.041	0.041	Free Surfac	2.49	0.094	0.018	0.063	0.092	2.127	2.256	Yes	0.23	0.387			
00338	55	54	8	281.14	0.037	0.01	0.01	Free Surfac	1.671	0.048	0.004	0.032	0.046	2.003	2.328	Yes	0.045	1.001			
00339	516	517	8	299.60	0.01	1.031	1.031	Free Surfac	3.921	0.705	0.844	0.47	0.482	1.051	1.22	No	0.47	3.921	6.37	8	2
00340	268	269	8	140.58	0.02	0.204	0.204	Free Surfac	3.303	0.233	0.119	0.155	0.208	1.758	1.713	No	0.155	3.303			
00341	521	522	8	271.1	0.014	0.01	0.01	Free Surfac	1.185	0.061	0.007	0.04	0.046	1.263	1.42	Yes	0.041	1.172			
00342	522	54	8	374.8	0.069	0.021	0.021	Free Surfac	2.567	0.057	0.006	0.038	0.065	2.813	3.186	Yes	0.048	1.815			
00343	512	513	8	313.97	0.019	0.01	0.01	Free Surfac	1.336	0.056	0.006	0.037	0.046	1.485	1.688	Yes	0.04	1.191			
00344	511	510	8	299.17	0.038	0.041	0.041	Free Surfac	2.577	0.092	0.017	0.061	0.092	2.227	2.369	Yes	0.079	1.782			
00345	1592	1589	8	270.85	0.013	1.061	1.061	Pressurized	4.383	0.655	0.764	0.436	0.489	1.25	1.389	Yes	0.667	3.04			
00346	1590	1592	8	285.01	0.005	0.01	0.01	Pressurized	0.81	0.074	0.011	0.05	0.044	0.779	0.852	Yes	0.667	0.027			
00347	1591	1590	8	258.56	0.005	0.005	0.005	Pressurized	0.679	0.052	0.005	0.035	0.031	0.779	0.894	Yes	0.667	0.014			
00348	1593	1592	8	27.06	0.028	1.047	1.047	Pressurized	5.858	0.509	0.516	0.34	0.485	1.994	2.029	Yes	0.667	2.999			
00349	1193	1463	8	197.99	0.003	0.002	0.002	Free Surfac	0.438	0.04	0.003	0.027	0.02	0.577	0.69	Yes	0.034	0.311			
00350	1194	1464	8	256.18	0.005	0.002	0.002	Free Surfac	0.514	0.036	0.002	0.024	0.02	0.714	0.867	Yes	0.039	0.25			
00351	1462	1463	8	261.76	0.005	0.002	0.002	Free Surfac	0.498	0.037	0.002	0.024	0.02	0.684	0.828	Yes	0.033	0.326			
00352	1463	1464	8	479.98	0.006	0.006	0.006	Free Surfac	0.745	0.059	0.007	0.039	0.035	0.809	0.914	Yes	0.046	0.577			
00353	1464	1197	8	177.44	0.004	0.01	0.01	Free Surfac	0.8	0.079	0.013	0.053	0.045	0.746	0.809	Yes	0.059	0.674			
00354	1198	1197	8	282.99	0.004	0.004	0.004	Free Surfac	0.6	0.052	0.005	0.034	0.029	0.695	0.799	Yes	0.05	0.345			
00355	1199	1198	8	319.86	0.004	0.002	0.002	Free Surfac	0.489	0.037	0.003	0.025	0.02	0.668	0.807	Yes	0.028	0.402			
00357	1197	1465	8	390.11	0.005	0.016	0.016	Free Surfac	0.956	0.096	0.019	0.064	0.058	0.807	0.853	Yes	0.064	0.953			
00358	1465	1466	8	64.83	0.008	0.018	0.018	Free Surfac	1.151	0.092	0.017	0.061	0.061	0.995	1.058	Yes	0.066	1.032			
00359	1466	1467	10	159.88	0.005	0.02	0.02	Free Surfac	1.009	0.08	0.013	0.066	0.061	0.838	1.586	Yes	0.071	0.908			
00360	1191	1470	8	157.86	0.006	0.008	0.008	Free Surfac	0.814	0.067	0.009	0.045	0.041	0.825	0.914	Yes	0.066	0.455			
00361	510	509	8	310.08	0.016	0.072	0.072	Free Surfac	2.257	0.147	0.047	0.098	0.122	1.529	1.542	Yes	0.247	0.612			
00362	2584	2582	10	273.33	0.001	0.075	0.075	Pressurized	0.818	0.225	0.111	0.187	0.117	0.397	0.678	Yes	0.833	0.137			
00363	2583	1587	10	386.13	0.001	0.094	0.094	Pressurized	0.902	0.246	0.132	0.205	0.131	0.417	0.709	Yes	0.833	0.172			
00364	1222	1221	12	166.51	0.004	2.428	2.428	Pressurized	3.092	1	1.088	1	0.639	0.545	2.232	Yes	1	3.092	10.43	12	2
00365	1221	1220	12	240.95	0.003	2.437	2.437	Pressurized	3.103	1	1.184	1	0.613	0.547	2.058	Yes	1	3.103	11.02	12	2
00366	1220	1219	12	238.57	0.003	2.447	2.447	Pressurized	3.115	1	1.183	1	0.614	0.549	2.069	Yes	1	3.115	11.04	12	2
00367	1219	1218	12	248.31	0.003	2.47	2.47	Pressurized	3.145	1	1.182	1	0.617	0.554	2.09	Yes	1	3.145	11.07	12	2
00368	1218	1217	12	250.33	0.003	2.479	2.479	Pressurized	3.157	1	1.228	1	0.607	0.556	2.019	Yes	1	3.157	11.09	12	2
00369	1217	1216	12	261.50	0.004	2.489	2.489	Pressurized	3.169	1	1.132	1	0.634	0.558	2.198	Yes	1	3.169	10.52	12	2
00370	1216	1215	12	314.15	0.004	2.512	2.512	Pressurized	3.198	1	1.157	1	0.63	0.564	2.171	Yes	1	3.198	10.56	12	2
00371	2352	1222	8	252.73	0.003	0.048	0.048	Pressurized	1.146	0.178	0.069	0.118	0.099	0.704	0.699	Yes	0.667	0.138			
00373	1256	1267	8	110.11	0.007	0.016	0.016	Free Surfac	1.052	0.09	0.017	0.06	0.058	0.918	0.979	Yes	0.074	0.771			
00375	1260	1263	8	110.47	0.01	0.004	0.004	Free Surfac	0.793	0.043	0.003	0.028	0.029	1.01	1.195	Yes	0.278	0.03			
00376	1249	1250	8	117.74	0.002	0.005	0.005	Free Surfac	0.474	0.066	0.009	0.044	0.031	0.485	0.538	Yes	0.051	0.379			
00377	1257	1255	8	249.81	0.004	0.008	0.008	Free Surfac	0.718	0.073	0.011	0.049	0.041	0.697	0.764	Yes	0.057	0.574			
00378	1546	1547	10	120.87	0.014	0.03	0.03	Pressurized	1.609	0.075	0.011	0.062	0.073	1.378	2.629	Yes	0.833	0.055			
00379	1247	1220	8	289.2	0.007	0.005	0.005	Pressurized	0.728	0.049	0.005	0.033	0.031	0.862	0.998	Yes	0.667	0.013			
00380	1248	1221	8	278.62	0.006	0.005	0.005	Pressurized	0.696	0.051	0.005	0.034	0.031	0.811	0.935	Yes	0.667	0.013			
00381	2915	1257	8	401.58	0.003	0.004	0.004	Free Surfac	0.525	0.056	0.006	0.038	0.029	0.581	0.66	Yes	0.043	0.428			
00382	1253	1254	8	125.19	0.006	0.002	0.002	Free Surfac	0.539	0.035	0.002	0.023	0.02	0.762	0.929	Yes	0.026	0.448			
00383	569	568	8	315.17	0.095	0.008	0.008	Free Surfac	2.125	0.034	0.002	0.023	0.039	3.045	3.73	Yes	0.117	0.188			
00384	567	576	8	278.33	0.018	0.014	0.014	Free Surfac	1.422	0.065	0.008	0.043	0.053	1.463	1.628	Yes	0.108	0.376			
00385	573	576	8	289.84	0.026	0.275	0.275	Free Surfac	3.955	0.253	0.14	0.169	0.242	2.015	1.957	Yes	0.17	3.908			
00386	678	697	8	344.88	0.023	0.206	0.206	Free Surfac	3.461	0.227	0.113	0.151	0.209	1.869	1.824	Yes	0.153	3.41			
00387	697	696	8	341.86	0.025	0.22	0.22	Free Surfac	3.659	0.228	0.114	0.152	0.216	1.969	1.921	Yes	0.155	3.557			

00388	695	696	8	279.14	0.015	0.014	0.014	Free Surfac	1.322	0.068	0.009	0.046	0.053	1.327	1.467	Yes	0.102	0.406			
00389	696	574	8	287.24	0.028	0.247	0.247	Free Surfac	3.921	0.236	0.122	0.158	0.229	2.072	2.018	Yes	0.163	3.743			
00390	574	573	8	299.82	0.024	0.261	0.261	Free Surfac	3.8	0.251	0.138	0.167	0.236	1.944	1.889	No	0.167	3.8			
00391	576	575	8	235.78	0.031	0.302	0.302	Free Surfac	4.343	0.253	0.141	0.169	0.254	2.21	2.147	Yes	0.172	4.219			
00392	806	711	8	391.89	0.002	0.031	0.031	Free Surfac	0.907	0.156	0.053	0.104	0.08	0.596	0.598	No	0.104	0.907			
00393	358	712	8	316.51	0.004	0.052	0.052	Free Surfac	1.29	0.174	0.066	0.116	0.104	0.801	0.796	No	0.116	1.29			
00394	359	358	8	73.81	0.008	0.01	0.01	Free Surfac	0.97	0.07	0.01	0.047	0.046	0.96	1.057	Yes	0.082	0.423			
00395	779	714	8	400.32	0.025	0.115	0.115	Free Surfac	3.001	0.167	0.061	0.111	0.155	1.903	1.897	No	0.111	3.001			
00396	712	779	8	374.4	0.02	0.105	0.105	Free Surfac	2.732	0.167	0.061	0.111	0.147	1.734	1.728	Yes	0.114	2.646			
00397	711	712	8	37.24	0.031	0.042	0.042	Free Surfac	2.394	0.098	0.02	0.065	0.092	2.005	2.117	Yes	0.086	1.578			
00398	828	829	8	262.89	0.007	0.01	0.01	Free Surfac	0.931	0.072	0.011	0.048	0.046	0.909	0.997	Yes	0.054	0.79			
00399	829	357	8	184.59	0.012	0.021	0.021	Free Surfac	1.396	0.088	0.016	0.059	0.065	1.234	1.32	Yes	0.061	1.324			
00400	357	358	8	305.59	0.019	0.031	0.031	Free Surfac	1.873	0.095	0.019	0.063	0.08	1.592	1.687	Yes	0.091	1.105			
00401	714	715	8	399.29	0.033	0.126	0.126	Free Surfac	3.427	0.162	0.057	0.108	0.162	2.209	2.208	Yes	0.12	2.933			
00402	822	821	8	239.56	0.049	0.006	0.006	Free Surfac	1.577	0.035	0.002	0.024	0.035	2.205	2.681	Yes	0.027	1.313			
00403	823	822	8	158.11	0.02	0.002	0.002	Free Surfac	0.856	0.028	0.001	0.019	0.022	1.349	1.701	Yes	0.02	0.769			
00404	971	730	8	274.64	0.001	0.12	0.12	Free Surfac	0.978	0.383	0.312	0.256	0.158	0.395	0.386	No	0.256	0.978			
00405	730	970	8	157.32	0.039	0.124	0.124	Free Surfac	3.609	0.154	0.052	0.103	0.16	2.385	2.394	Yes	0.158	1.954			
00406	970	969	8	237.26	0.039	0.514	0.514	Free Surfac	5.483	0.314	0.214	0.209	0.336	2.482	2.405	Yes	0.483	1.897			
00407	968	969	8	244.32	0.044	0.554	0.554	Free Surfac	5.801	0.318	0.219	0.212	0.349	2.608	2.529	Yes	0.485	2.036			
00408	955	956	8	106.15	0.016	0.479	0.479	Free Surfac	3.875	0.384	0.313	0.256	0.324	1.564	1.529	Yes	0.26	3.806			
00409	954	955	8	318.06	0.005	0.102	0.102	Free Surfac	1.643	0.234	0.12	0.156	0.145	0.873	0.851	Yes	0.206	1.108			
00410	823	824	8	120.75	0.008	0.001	0.001	Free Surfac	0.533	0.028	0.001	0.019	0.017	0.84	1.059	Yes	0.026	0.318			
00411	824	825	8	101.8	0.01	0.005	0.005	Free Surfac	0.864	0.048	0.004	0.032	0.033	1.038	1.207	No	0.032	0.864			
00412	819	804	8	120.32	0.009	0.004	0.004	Free Surfac	0.765	0.042	0.003	0.028	0.028	0.985	1.169	Yes	0.213	0.04			
00413	804	728	12	121.96	0.009	1.115	1.115	Free Surfac	3.812	0.399	0.335	0.399	0.444	1.229	3.322	Yes	0.403	3.759			
00414	820	804	12	106.41	0.011	1.107	1.107	Free Surfac	4.202	0.369	0.291	0.369	0.443	1.418	3.809	Yes	0.384	3.985			
00415	827	820	12	237.43	0.006	1.103	1.103	Free Surfac	3.354	0.436	0.394	0.436	0.442	1.027	2.801	No	0.436	3.354			
00416	638	637	8	227.75	0.039	3.283	3.283	Pressurized	9.404	1	1.367	0.667	0.646	2.03	2.402	Yes	0.667	9.404	7.62	8	2
00417	634	633	8	220.81	0.065	3.315	3.315	Pressurized	9.497	1	1.071	0.667	0.659	2.05	3.094	Yes	0.667	9.497	6.95	8	2
00418	635	634	8	180.68	0.035	3.31	3.31	Pressurized	9.484	1	1.451	0.667	0.642	2.047	2.282	Yes	0.667	9.484	7.80	8	2
00419	636	635	8	312.86	0.032	3.306	3.306	Pressurized	9.471	1	1.528	0.667	0.636	2.044	2.164	Yes	0.667	9.471	7.93	8	2
00420	637	636	8	229.46	0.035	3.287	3.287	Pressurized	9.418	1	1.441	0.667	0.642	2.033	2.282	Yes	0.667	9.418	7.78	8	2
00421	639	651	8	276.77	0.002	0.008	0.008	Free Surfac	0.525	0.087	0.015	0.058	0.039	0.467	0.5	Yes	0.145	0.138			
00422	651	650	8	200.63	0.044	0.649	0.649	Free Surfac	6.08	0.345	0.256	0.23	0.379	2.612	2.538	Yes	0.24	5.717			
00423	650	649	8	250.34	0.033	0.656	0.656	Free Surfac	5.506	0.374	0.298	0.249	0.382	2.257	2.203	Yes	0.276	4.807			
00424	649	647	8	215.16	0.024	0.813	0.813	Free Surfac	5.176	0.461	0.434	0.307	0.427	1.876	1.873	No	0.307	5.176			
00425	648	649	8	276.97	0.012	0.149	0.149	Free Surfac	2.513	0.226	0.112	0.151	0.177	1.358	1.326	Yes	0.227	1.424			
00426	653	651	8	239.92	0.059	0.633	0.633	Free Surfac	6.71	0.315	0.216	0.21	0.375	3.03	2.937	Yes	0.221	6.258			
00427	656	653	8	246.95	0.038	0.625	0.625	Free Surfac	5.734	0.35	0.264	0.234	0.372	2.441	2.373	No	0.234	5.734			
00428	657	656	8	228.83	0.034	0.61	0.61	Free Surfac	5.467	0.356	0.272	0.238	0.367	2.305	2.243	No	0.238	5.467			
00429	643	656	8	300.21	0.001	0.008	0.008	Free Surfac	0.447	0.097	0.019	0.065	0.039	0.376	0.397	Yes	0.15	0.131			
00430	658	657	8	242.34	0.03	0.602	0.602	Free Surfac	5.21	0.366	0.285	0.244	0.365	2.164	2.109	No	0.244	5.21			
00431	659	658	8	219.32	0.035	0.532	0.532	Free Surfac	5.291	0.33	0.236	0.22	0.342	2.328	2.258	Yes	0.232	4.924			
00432	718	659	8	223.01	0.058	0.525	0.525	Free Surfac	6.314	0.288	0.181	0.192	0.339	2.999	2.906	Yes	0.207	5.675			
00433	581	718	8	231.19	0.013	0.509	0.509	Free Surfac	3.634	0.422	0.372	0.281	0.334	1.389	1.37	No	0.281	3.634			
00434	655	658	8	228.65	0.043	0.062	0.062	Free Surfac	3.03	0.108	0.025	0.072	0.113	2.404	2.506	Yes	0.158	0.978			
00435	856	854	8	320.99	0.032	0.022	0.022	Free Surfac	2.011	0.071	0.01	0.047	0.067	1.983	2.181	Yes	0.056	1.559			
00436	854	853	8	268.73	0.022	0.033	0.033	Free Surfac	2	0.094	0.018	0.062	0.082	1.711	1.815	Yes	0.102	0.975			
00437	1129	862	8	265.67	0.018	0.165	0.165	Free Surfac	2.996	0.215	0.101	0.143	0.186	1.666	1.63	No	0.143	2.996			
00438	853	1129	8	269.69	0.006	0.088	0.088	Free Surfac	1.679	0.207	0.094	0.138	0.135	0.951	0.932	Yes	0.139	1.663			
00439	862	863	8	332.25	0.043	0.187	0.187	Free Surfac	4.236	0.184	0.074	0.123	0.198	2.555	2.527	Yes	0.142	3.443			
00440	864	865	8	337.85	0.058	0.209	0.209	Free Surfac	4.844	0.181	0.072	0.121	0.21	2.947	2.918	Yes	0.216	2.137			
00441	863	864	8	328.01	0.016	0.198	0.198	Free Surfac	3.02	0.243	0.129	0.162	0.204	1.573	1.53	No	0.162	3.02			
00442	873	869	8	177.82	0.015	0.099	0.099	Free Surfac	2.426	0.174	0.066	0.116	0.143	1.506	1.496	Yes	0.129	2.087			
00443	869	868	8	150.35	0.01	0.121	0.121	Free Surfac	2.213	0.214	0.1	0.142	0.159	1.233	1.208	Yes	0.145	2.15			
00444	868	867	8	101.63	0.011	0.132	0.132	Free Surfac	2.359	0.217	0.103	0.145	0.166	1.303	1.275	No	0.145	2.359			
00445	867	874	8	113.82	0.015	0.143	0.143	Free Surfac	2.712	0.208	0.095	0.139	0.173	1.532	1.502	Yes	0.253	1.178			
00446	870	869	8	130.22	0.094	0.011	0.011	Free Surfac	2.359	0.04	0.003	0.027	0.047	3.112	3.717	Yes	0.084	0.43			
00447	1133	862	8	466.19	0.046	0.011	0.011	Free Surfac	1.844	0.047	0.004	0.031	0.047	2.237	2.607	Yes	0.062	0.672			
00448	852	1130	8	242.35	0.019	0.011	0.011	Free Surfac	1.342	0.058	0.007	0.039	0.047	1.46	1.651	Yes	0.045	1.063			
00449	1130	849	8	427.96	0.018	0.022	0.022	Free Surfac	1.632	0.082	0.014	0.054	0.067	1.497	1.617	Yes	0.061	1.368			
00450	849	848	8	438.34	0.016	0.033	0.033	Free Surfac	1.793	0.101	0.021	0.067	0.082	1.476	1.552	Yes	0.072	1.617			
00451	848	847	8	231.79	0.019	0.044	0.044	Free Surfac	2.066	0.111	0.026	0.074	0.095	1.617	1.68	Yes	0.078	1.922			
00452	847	846	8	211.19	0.017	0.055	0.055	Free Surfac	2.131	0.127	0.034	0.085	0.106	1.558	1.596	No	0.085	2.131			
00453	846	1129	8	264.35	0.037	0.066	0.066	Free Surfac	2.947	0.115	0.028	0.077	0.116	2.265	2.344	Yes	0.109	1.784			
00454	732	731	8	236.61	0.029	0.37	0.37	Free Surfac	4.465	0.287	0.18	0.191	0.283	2.124	2.058	Yes	0.262	2.896			
00455	1056	1055	8	174.62	0.011	0.003	0.003	Free Surfac	0.754	0.037	0.003	0.025	0.025	1.029	1.243	Yes	0.028	0.632			
00456	1014	1013	8	154.67	0.028	0.005	0.005	Free Surfac	1.206	0.036	0.002	0.024	0.031	1.677	2.036	Yes	0.036	0.651			
00457	1015	1011	8	165.45	0.022	0.101	0.101	Free Surfac	2.784	0.16	0.056	0.107	0.144	1.805	1.806	No	0.107	2.784			
00458	1021	1022	8	87.34	0.042	0.005	0.005	Free Surfac	1.387	0.033	0.002	0.022	0.031	2.024	2.493	Yes	0.022	1.343			
00459	1022	1020	8	300.64	0.099	0.01	0.01	Free Surfac	2.307	0.037	0.003	0.025	0.044	3.162	3.822	Yes	0.032	1.568			
00460	1020	1023	8	168.11	0.036	0.014	0.014	Free Surfac	1.83	0.057	0.006	0.038	0.054	2.019	2.291	Yes	0.04	1.666			
00461	1023	1015	8	62.71	0.054	0.019	0.019	Free Surfac	2.299	0.059	0.007	0.039	0.062	2.486	2.805	Yes	0.074	0.904			
00462	1016	1015	8	387.85	0.015	0.077	0.077	Free Surfac	2.257	0.154	0.051	0.102	0.126	1.496	1.502	Yes	0.106	2.157			
00463	1017	1016	8	86.61	0.04	0.072	0.072	Free Surfac	3.083	0.119	0.03	0.079	0.122	2.335	2.409	Yes	0.093	2.447			
00464	1018	1017	8	45.12	0.047	0.043	0.043	Free Surfac	2.816	0.089	0.016	0.059	0.094	2.471	2.638	Yes	0.069	2.269			
00465	1019	1018	8	167.15	0.059	0.005	0.005	Free Surfac	1.559	0.03	0.002	0.02	0.031	2.366	2.949	Yes	0.042	0.529			
00466	1025	1024	8	390.13	0.032	0.019	0.019	Free Surfac	1.916	0.067	0.009	0.044	0.062	1.948	2.16	Yes	0.059	1.27			
00467	1024	1017	8	202.46	0.007	0.024	0.024	Free Surfac	1.216	0.106	0.023	0.07	0.07	0.977	1.021	Yes	0.074	1.125			
00468	1037	1038	8	182.13	0.009	0.005	0.005	Free Surfac	0.795	0.047	0.004	0.032	0.031	0.961	1.119	Yes	0.036	0.649			
00469	1038	1026	8	97.01	0.017	0.01	0.01	Free Surfac	1.244	0.056	0.006	0.037	0.044	1.382	1.571	Yes	0.047	0.895			
00470	1026	1018	8	346.8	0.043	0.034	0.034	Free Surfac	2.521	0.081	0.013	0.054	0.083	2.322	2.51	Yes	0.059	2.238			
00471	1027	1026	8	61.48	0.119	0.019	0.019	Free Surfac	3.031	0.049	0.005	0.033	0.062	3.603	4.175	Yes	0.044	1.931			
00472	1028	1027	8	89	0.079	0.014	0.014	Free Surfac	2.411	0.047	0.004	0.031	0.054	2.923	3.407	Yes	0.032	2.39			
00473	1036	1028	8	319.91	0.046	0.01	0.01	Free Surfac	1.768	0.044	0.004	0.029	0.044	2.215	2.607	Yes	0.029	1.766			
00474	748	746	8	277.83	0.044	0.019	0.019	Free Surfac	2.145	0.062	0.008	0.041	0.062	2.265	2.539	Yes	0.049	1.664			
00475	746	747	8	247.59	0.019	0.024	0.024	Free Surfac	1.72	0.083	0.014	0.056	0.07	1.56	1.679	Yes	0.058	1.64			
00476	747	898	8	312.40	0.016	0.029	0.029	Free Surfac	1.703	0.095	0.019	0.063	0.076	1.444	1.529	Yes	0.103	0.84			
00477	742	741	8	232.94	0.02	0.005	0.005	Free Surfac	1.071	0.039	0.003	0.026	0.031	1.431	1.717	Yes	0.03	0.839			
00478	741	740	8	80.83	0.018	0.01	0.01	Free Surfac	1.28	0.055	0.006	0.037	0.044	1.436	1.637	Yes	0.045	0.941			
00479	740	749	8	130.86	0.017	0.024	0.024	Free Surfac	1.645	0.086	0.015	0.057	0.07	1.469	1.575	Yes	0.06	1.554			
00480	749	737	8	249.33	0.019	0.029	0.029	Free Surfac	1.813	0.091	0.017	0.061	0.076	1.571	1.672	Yes	0.064	1.682			
00481	737	899	8	238.06	0.015	0.034	0.034	Free Surfac	1.766	0.103	0.022	0.069	0.083	1.437	1.507	Yes	0.091	1.166			
00482	739	740	8	151.46	0.012	0.01	0.01	Free Surfac	1.106	0.061	0.007	0.04	0.044	1.18	1.327	Yes	0.047	0.885			
00483	738	739	8	250.32	0.018	0.005	0.005	Free Surfac	1.024	0.04	0.003	0.027	0.031	1.347	1.609	Yes	0.035	0.69			
00484	1040	1039	8	238.31	0.068	0.062	0.062	Free Surfac	3.563	0.097	0.02	0.065	0.113	2.985	3.151	Yes	0.075	2.915			
00485	1039	901	8	278.54	0.069	0.11	0.11	Free Surfac	4.25	0.128	0.035	0.085	0.151	3.102	3.174	Yes	0.087	4.14			
00486	764	765	8	180.72	0.021	0.005	0.005	Free Surfac	1.086	0.038	0.003	0.026	0.031	1.458	1.751	Yes	0.028	0.93			
00487	765	766	8	174.11	0.019	0.01	0.01	Free Surfac	1.309	0.054	0.006	0.036	0.044	1.48	1.691	Yes	0.044	0.972			
00488	767	766	8	74.96	0.021	0.029	0.029	Free Surfac	1.891	0.089	0.016	0.059	0.076	1.663	1.776	No	0.059	1.891			
00489	766	1039	8	227.88	0.091	0.043	0.043	Free Surfac	3.535	0.076	0.012	0.051	0.094	3.356	3.655	Yes	0.067	2.334			
00490	771	770	8	180.37	0.021	0.01	0.01	Free Surfac	1.337	0.053	0.006	0.036	0.044	1.523	1.743	Yes	0.038	1.227			
00491	770	769	8	135.84	0.05	0.014	0.014	Free Surfac	2.05	0.052	0.005	0.035	0.054	2.352	2.699	Yes	0.038	1.846			
00492	769	768	8	150.37	0.049	0.019	0.019	Free Surfac	2.229	0.06	0.007	0.04	0.062	2.385	2.684	Yes	0.045	1.909			
00493	768	767	8	187.55	0.028	0.024	0.024	Free Surfac	1.96	0.076	0.012	0.051	0.07	1.858	2.024	Yes	0.056	1.705			
00494	826	827	12	80.84	0.008	1.099	1.099	Free Surfac	3.676	0.406	0.346	0.406	0.441	1.174	3.178	Yes	0.421	3.503			
00495	825	826	8	250.7	0.039	0.009	0.009	Free Surfac	1.647	0.045	0.004	0.03	0.043	2.048	2.406	Yes	0.22	0.091			
00496	939	938	8	304.52	0.011	0.004	0.004	Free Surfac	0.801	0.04	0.003	0.027	0.028	1.048	1.249	Yes	0.033	0.585			
00497	938	940	8	238.52	0.006	0.008	0.008	Free Surfac	0.79	0.065	0.008	0.043	0.039	0.812	0.903	No	0.043	0.79			
00498	940	1135	8	296.71	0.013	0.011	0.011	Free Surfac	1.186	0.065	0.008	0.043	0.048	1.219	1.357	No	0.043	1.186			
00499	934	907	8	242.82	0.026	0.042	0.042	Free Surfac	2.265	0.101	0.022	0.068	0.093	1.86	1.954	Yes	0.304	0.271			
00500	509	516	8	384.11	0.016	1.02	1.02	Free Surfac	4.744	0.592	0.658	0.394	0.479	1.46	1.552	Yes	0.432	4.262			
00501	199	509	8	179.17	0.033	0.938	0.938	Free Surfac	6.079	0.454	0.424	0.303	0.459	2.222	2.214	Yes	0.35	5.057			
00502	514	515	8	158.47	0.008	0.01	0.01	Free Surfac	0.975	0.069	0.01	0.046	0.046	0.972	1.073	Yes	0.068	0.554			
00503	515	510	8	399.9	0.002	0.021	0.021	Free Surfac	0.77	0.13	0.036	0.087	0.065	0.556	0.568	Yes	0.091	0.714			
00504	56	533	8	350.64	0.03	0.039	0.039	Free Surfac	2.328	0.094	0.018	0.063	0.089	1.985	2.104	Yes	0.063	2.315			
00505	533	534	8	349.42	0.048	0.046	0.046	Free Surfac	2.895	0.092	0.017	0.061	0.097	2.5	2.658	Yes	0.07	2.393			
00506	132	131	10	320	0.046	0.014	0.014	Free Surfac	1.915	0.04	0.003	0.033	0.05	2.261	4.722	Yes	0.063	0.743			
00507	133	132	10	339.33	0.034	0.009	0.009	Free Surfac	1.519	0.035	0.002	0.029	0.041	1.903	4.044	Yes	0.031	1.389			
00508	134	135	6	266.5	0.069	0.005	0.005	Free Surfac	1.697	0.041	0.003	0.02	0.033	2.549	1.478	Yes	0.017	2.242			
00509	135	130	6	240.95	0.049	0.009	0.009	Free Surfac	1.864	0.061	0.007	0.031	0.046	2.283	1.248	Yes	0.044	1.095			
00510	128	129	8	355.91	0.012	0.005	0.005	Free Surfac	0.898	0.043	0.003	0.028	0.03	1.144	1.353	Yes	0.032	0.744			
00511	129	130	8	207.49	0.032	0.014	0.014	Free Surfac	1.737	0.057	0.006	0.038	0.053	1.907	2.161	Yes	0.048	1.251			
00512	130	131	8	142.31	0.024	0.028	0.028	Free Surfac	1.944	0.085	0.015	0.057	0.075	1.748	1.877	Yes	0.074	1.3			
00513	131	144	10	170.04	0.007	0.051	0.051	Free Surfac	1.447	0.116	0.028	0.096	0.096	0.992	1.793	No	0.096	1.447			
00514	503	504	8	420.66	0.027	0.008	0.008	Free Surfac	1.399	0.046	0.004	0.031	0.041	1.708	1.995	Yes	0.066	0.458			

00515	504	505	12	256.95	0.032	0.147	0.147	Free Surfac	3.349	0.105	0.023	0.105	0.157	2.205	6.356	Yes	0.112	3.052			
00516	505	506	12	82.45	0.024	0.155	0.155	Free Surfac	3.1	0.115	0.028	0.115	0.161	1.949	5.56	Yes	0.128	2.656			
00517	506	507	8	298.99	0.033	0.221	0.221	Free Surfac	4.023	0.214	0.101	0.143	0.216	2.238	2.191	Yes	0.178	2.953			
00518	507	508	8	348.94	0.009	0.253	0.253	Free Surfac	2.619	0.321	0.223	0.214	0.232	1.17	1.135	No	0.214	2.619			
00519	46	45	8	203.3	0.08	0.048	0.048	Free Surfac	3.49	0.083	0.014	0.055	0.099	3.182	3.43	Yes	0.056	3.361			
00520	259	46	8	215.14	0.133	0.043	0.043	Free Surfac	4.017	0.069	0.01	0.046	0.093	4.004	4.419	Yes	0.053	3.301			
00522	551	129	8	171.79	0.059	0.005	0.005	Free Surfac	1.538	0.03	0.002	0.02	0.03	2.351	2.937	Yes	0.028	0.921			
00523	142	141	18	70.3	0.047	12.113	12.113	Pressurized	13.161	0.516	0.528	0.775	1.319	2.96	22.947	Yes	1.5	6.855			
00529	196	194	18	494.58	0.002	11.403	11.403	Pressurized	6.453	1	2.654	1.5	0.795	0.928	4.296	No	1.5	6.453	21.21	24	2
00530	194	198	18	583.11	0.016	11.414	11.414	Free Surfac	8.394	0.719	0.866	1.078	1.289	1.473	13.175	Yes	1.5	6.459	14.36	15	2
00531	566	597	8	401.12	0.035	0.011	0.011	Free Surfac	1.679	0.05	0.005	0.034	0.047	1.969	2.273	Yes	0.038	1.405			
00532	597	596	8	398.13	0.045	0.022	0.022	Free Surfac	2.261	0.066	0.009	0.044	0.067	2.316	2.575	Yes	0.045	2.135			
00533	596	595	8	150.82	0.062	0.033	0.033	Free Surfac	2.86	0.074	0.011	0.049	0.082	2.764	3.024	Yes	0.059	2.183			
00534	595	836	8	248.57	0.054	0.066	0.066	Free Surfac	3.349	0.106	0.024	0.071	0.117	2.688	2.809	Yes	0.089	2.386			
00535	836	601	8	147.88	0.024	0.11	0.11	Free Surfac	2.946	0.164	0.059	0.11	0.151	1.886	1.882	Yes	0.12	2.591			
00536	601	600	8	80.19	0.017	0.132	0.132	Free Surfac	2.735	0.196	0.084	0.131	0.166	1.594	1.569	Yes	0.141	2.451			
00537	481	480	8	335.59	0.011	0.008	0.008	Free Surfac	1.035	0.057	0.006	0.038	0.041	1.14	1.293	Yes	0.043	0.872			
00538	480	479	8	354.94	0.018	0.016	0.016	Free Surfac	1.496	0.071	0.01	0.047	0.057	1.475	1.623	Yes	0.048	1.459			
00539	482	487	8	312.42	0.002	0.033	0.033	Free Surfac	0.886	0.163	0.057	0.108	0.082	0.57	0.569	Yes	0.111	0.862			
00540	487	486	8	318.67	0.003	0.041	0.041	Free Surfac	1.049	0.169	0.062	0.113	0.091	0.662	0.659	No	0.113	1.049			
00541	486	485	8	340.59	0.015	0.049	0.049	Free Surfac	1.966	0.124	0.033	0.083	0.1	1.454	1.492	Yes	0.091	1.718			
00542	485	506	8	293.58	0.008	0.057	0.057	Free Surfac	1.673	0.154	0.052	0.103	0.108	1.107	1.111	Yes	0.122	1.312			
00543	478	482	8	231.41	0.008	0.008	0.008	Free Surfac	0.904	0.062	0.008	0.042	0.041	0.952	1.066	Yes	0.075	0.379			
00544	483	482	8	395.86	0.032	0.016	0.016	Free Surfac	1.82	0.062	0.008	0.041	0.057	1.919	2.15	Yes	0.075	0.759			
00545	490	504	8	223.17	0.007	0.131	0.131	Free Surfac	1.979	0.244	0.131	0.163	0.165	1.027	0.999	No	0.163	1.979			
00546	488	489	8	416.81	0.004	0.008	0.008	Free Surfac	0.743	0.071	0.01	0.047	0.041	0.73	0.803	Yes	0.052	0.641			
00548	493	495	8	389.5	0.022	0.008	0.008	Free Surfac	1.295	0.049	0.005	0.033	0.041	1.54	1.785	Yes	0.046	0.788			
00549	495	494	8	399.99	0.007	0.016	0.016	Free Surfac	1.103	0.087	0.016	0.058	0.057	0.979	1.048	Yes	0.081	0.674			
00550	494	490	8	155.39	0.028	0.098	0.098	Free Surfac	2.989	0.15	0.049	0.1	0.143	2.006	2.019	Yes	0.129	2.065			
00551	499	494	8	230.38	0.009	0.074	0.074	Free Surfac	1.863	0.17	0.063	0.114	0.123	1.169	1.163	No	0.114	1.863			
00552	502	499	8	223.83	0.011	0.049	0.049	Free Surfac	1.772	0.133	0.038	0.089	0.1	1.263	1.287	Yes	0.103	1.428			
00553	501	502	8	293.58	0.012	0.041	0.041	Free Surfac	1.725	0.12	0.031	0.08	0.091	1.299	1.339	Yes	0.086	1.538			
00554	500	501	8	378.61	0.014	0.033	0.033	Free Surfac	1.681	0.105	0.023	0.07	0.082	1.357	1.42	Yes	0.075	1.506			
00555	498	499	8	354.83	0.008	0.016	0.016	Free Surfac	1.137	0.085	0.015	0.057	0.057	1.019	1.094	Yes	0.087	0.608			
00556	497	498	8	378.31	0.016	0.008	0.008	Free Surfac	1.16	0.053	0.005	0.035	0.041	1.328	1.523	Yes	0.045	0.814			
00557	565	353	8	66.02	0.067	0.894	0.894	Pressurized	7.733	0.366	0.285	0.244	0.448	3.213	3.131	Yes	0.667	2.56			
00558	564	565	8	398.29	0.018	0.873	0.873	Free Surfac	4.723	0.523	0.539	0.349	0.443	1.58	1.618	Yes	0.557	2.804			
00559	563	564	8	282.35	0.03	0.852	0.852	Free Surfac	5.729	0.442	0.403	0.295	0.437	2.13	2.113	Yes	0.322	5.11			
00560	562	563	8	147.8	0.028	0.021	0.021	Free Surfac	1.889	0.071	0.01	0.047	0.065	1.858	2.043	Yes	0.172	0.291			
00561	561	560	8	133.44	0.023	0.021	0.021	Free Surfac	1.755	0.075	0.011	0.05	0.065	1.683	1.839	Yes	0.073	0.993			
00562	560	559	8	174.50	0.041	0.104	0.104	Free Surfac	3.472	0.141	0.043	0.094	0.147	2.409	2.44	Yes	0.097	3.332			
00563	559	354	8	398.63	0.038	0.125	0.125	Free Surfac	3.582	0.156	0.053	0.104	0.161	2.354	2.36	Yes	0.667	0.357			
00565	558	560	8	45.33	0.027	0.062	0.062	Free Surfac	2.584	0.121	0.031	0.081	0.113	1.934	1.99	Yes	0.089	2.25			
00566	556	558	8	330.75	0.057	0.042	0.042	Free Surfac	2.97	0.084	0.014	0.056	0.092	2.689	2.894	Yes	0.067	2.295			
00567	555	556	8	118.77	0.036	0.021	0.021	Free Surfac	2.049	0.067	0.009	0.045	0.065	2.072	2.295	Yes	0.052	1.651			
00568	367	366	8	190.02	0.016	0.021	0.021	Free Surfac	1.539	0.082	0.014	0.054	0.065	1.411	1.523	Yes	0.062	1.271			
00569	366	368	8	352.61	0.028	0.042	0.042	Free Surfac	2.326	0.099	0.02	0.066	0.092	1.934	2.038	Yes	0.072	2.029			
00570	368	365	8	270.92	0.028	0.062	0.062	Free Surfac	2.609	0.121	0.031	0.08	0.113	1.96	2.018	Yes	0.099	1.927			
00571	365	364	8	201.05	0.01	0.083	0.083	Free Surfac	1.986	0.177	0.069	0.118	0.131	1.221	1.211	Yes	0.232	0.771			
00572	364	369	8	120.83	0.008	0.582	0.582	Free Surfac	3.193	0.517	0.529	0.345	0.358	1.076	1.099	No	0.345	3.193			
00573	461	251	8	353.06	0.008	0.25	0.25	Free Surfac	2.572	0.322	0.225	0.215	0.231	1.147	1.113	No	0.215	2.572			
00574	467	466	8	159.66	0.068	0.013	0.013	Free Surfac	2.189	0.046	0.004	0.03	0.05	2.693	3.153	Yes	0.057	0.86			
00575	2849	7	8	383.42	0.003	4.184	4.184	Pressurized	11.985	1	6.465	0.667	0.379	2.587	0.647	Yes	0.667	11.985	13.49	15	2
00576	125	500	8	177.77	0.087	0.008	0.008	Free Surfac	2.098	0.035	0.002	0.024	0.041	2.938	3.574	Yes	0.047	0.751			
00577	126	540	8	334.35	0.031	0.041	0.041	Free Surfac	2.399	0.096	0.019	0.064	0.092	2.023	2.139	Yes	0.092	1.424			
00578	540	539	8	188.81	0.004	0.055	0.055	Free Surfac	1.299	0.179	0.07	0.119	0.106	0.796	0.789	No	0.119	1.299			
00579	539	535	12	71.78	0.005	0.069	0.069	Free Surfac	1.438	0.111	0.026	0.111	0.107	0.919	2.633	Yes	0.133	1.112			
00580	535	541	8	316.35	0.003	0.082	0.082	Free Surfac	1.351	0.231	0.117	0.154	0.13	0.723	0.705	No	0.154	1.351			
00581	541	542	8	81.19	0.226	0.096	0.096	Free Surfac	6.188	0.09	0.017	0.06	0.141	5.404	5.763	Yes	0.071	4.858			
00582	538	536	8	303.2	0.08	0.008	0.008	Free Surfac	2	0.035	0.002	0.023	0.039	2.807	3.417	Yes	0.032	1.25			
00583	537	536	8	216.52	0.008	0.008	0.008	Free Surfac	0.911	0.06	0.007	0.04	0.039	0.979	1.103	Yes	0.04	0.894			
00584	536	543	8	238.93	0.042	0.023	0.023	Free Surfac	2.239	0.068	0.009	0.046	0.069	2.246	2.484	Yes	0.05	1.932			
00585	413	414	8	291.69	0.02	0.004	0.004	Free Surfac	1.045	0.037	0.003	0.025	0.03	1.431	1.729	Yes	0.031	0.751			
00586	414	415	8	152.55	0.016	0.009	0.009	Free Surfac	1.196	0.054	0.006	0.036	0.042	1.354	1.548	Yes	0.048	0.771			
00587	415	431	8	216.9	0.011	0.022	0.022	Free Surfac	1.377	0.091	0.017	0.061	0.066	1.195	1.272	No	0.061	1.377			
00588	431	428	8	119.23	0.02	0.026	0.026	Free Surfac	1.776	0.087	0.015	0.058	0.073	1.581	1.694	Yes	0.08	1.106			
00589	428	416	8	389.05	0.006	0.048	0.048	Free Surfac	1.422	0.153	0.05	0.102	0.099	0.945	0.95	Yes	0.103	1.39			
00590	416	422	8	212.68	0.006	0.052	0.052	Free Surfac	1.483	0.157	0.054	0.105	0.103	0.971	0.972	No	0.105	1.483			
00591	427	429	8	176.84	0.006	0.009	0.009	Free Surfac	0.835	0.069	0.009	0.046	0.042	0.837	0.925	Yes	0.048	0.782			
00592	426	427	8	126.75	0.007	0.004	0.004	Free Surfac	0.719	0.048	0.004	0.032	0.03	0.867	1.01	Yes	0.039	0.534			
00593	430	429	8	247.92	0.045	0.004	0.004	Free Surfac	1.372	0.031	0.002	0.021	0.03	2.06	2.559	Yes	0.035	0.615			
00594	1395	1343	8	136.25	0.003	0.081	0.081	Pressurized	1.357	0.227	0.113	0.152	0.129	0.732	0.714	Yes	0.667	0.232			
00595	1396	1395	8	374.5	0.032	0.075	0.075	Free Surfac	2.903	0.127	0.035	0.085	0.124	2.12	2.17	Yes	0.667	0.215			
00596	1397	1396	8	398.99	0.033	0.069	0.069	Free Surfac	2.864	0.122	0.031	0.081	0.119	2.141	2.203	Yes	0.082	2.842			
00597	1398	1397	8	79.31	0.013	0.064	0.064	Free Surfac	2.039	0.145	0.045	0.097	0.114	1.394	1.407	No	0.097	2.039			
00598	1401	1398	8	400.72	0.052	0.023	0.023	Free Surfac	2.416	0.065	0.008	0.043	0.068	2.492	2.776	Yes	0.069	1.2			
00599	1399	1398	8	105.19	0.008	0.035	0.035	Free Surfac	1.444	0.121	0.031	0.081	0.084	1.082	1.114	Yes	0.088	1.269			
00600	1400	1399	8	398.81	0.036	0.029	0.029	Free Surfac	2.267	0.079	0.013	0.052	0.077	2.119	2.3	Yes	0.065	1.661			
00601	1406	1400	8	181.68	0.067	0.023	0.023	Free Surfac	2.628	0.061	0.007	0.041	0.068	2.791	3.134	Yes	0.048	2.037			
00602	1407	1406	8	179.80	0.083	0.017	0.017	Free Surfac	2.592	0.051	0.005	0.034	0.059	3.023	3.484	Yes	0.037	2.251			
00603	1402	1401	8	262.55	0.061	0.017	0.017	Free Surfac	2.331	0.055	0.006	0.036	0.059	2.621	2.99	Yes	0.04	2.017			
00604	1403	1402	8	146.59	0.045	0.012	0.012	Free Surfac	1.856	0.048	0.004	0.032	0.048	2.217	2.574	Yes	0.036	1.567			
00605	1405	1407	8	114.24	0.093	0.012	0.012	Free Surfac	2.386	0.041	0.003	0.027	0.048	3.105	3.695	Yes	0.029	2.164			
00606	1404	1405	8	146.14	0.033	0.006	0.006	Free Surfac	1.346	0.038	0.003	0.025	0.034	1.825	2.199	Yes	0.027	1.181			
00607	1347	2635	8	17.39	0.003	4.568	4.568	Pressurized	13.087	1	7.031	0.667	0.38	2.825	0.65	Yes	0.667	13.087	13.95	15	2
00608	1363	1362	8	192.5	0.043	0.543	0.543	Free Surfac	5.762	0.315	0.215	0.21	0.346	2.603	2.524	Yes	0.217	5.513			
00609	1364	1363	8	166.89	0.053	0.537	0.537	Free Surfac	6.188	0.297	0.192	0.198	0.344	2.889	2.799	Yes	0.203	5.97			
00610	1727	1345	8	471.55	0.026	5.454	5.454	Pressurized	15.625	1	2.795	0.667	0.623	3.372	1.951	Yes	0.667	15.625	9.94	10	2
00611	1368	1641	8	194.71	0.083	0.029	0.029	Free Surfac	3.033	0.065	0.008	0.043	0.077	3.134	3.492	Yes	0.049	2.485			
00612	1641	1359	8	384.37	0.033	0.035	0.035	Free Surfac	2.315	0.088	0.016	0.058	0.084	2.047	2.19	Yes	0.071	1.754			
00613	1359	1358	8	162.76	0.008	0.04	0.04	Free Surfac	1.49	0.132	0.037	0.088	0.091	1.069	1.091	No	0.088	1.49			
00614	1358	1357	8	236.71	0.036	0.046	0.046	Free Surfac	2.602	0.099	0.02	0.066	0.097	2.168	2.285	Yes	0.084	1.811			
00615	429	428	8	350.68	0.016	0.017	0.017	Free Surfac	1.468	0.075	0.011	0.05	0.059	1.407	1.537	Yes	0.076	0.793			
00616	424	425	8	330.17	0.025	0.009	0.009	Free Surfac	1.394	0.049	0.005	0.032	0.042	1.663	1.93	Yes	0.035	1.254			
00617	423	424	8	119.10	0.052	0.004	0.004	Free Surfac	1.445	0.03	0.002	0.02	0.03	2.208	2.758	Yes	0.026	0.96			
00618	421	422	8	136.51	0.003	0.013	0.013	Free Surfac	0.716	0.1	0.021	0.067	0.051	0.591	0.622	Yes	0.079	0.563			
00619	420	421	8	303.45	0.023	0.009	0.009	Free Surfac	1.352	0.05	0.005	0.033	0.042	1.596	1.847	Yes	0.05	0.733			
00620	419	420	8	218.82	0.072	0.004	0.004	Free Surfac	1.62	0.028	0.001	0.018	0.03	2.573	3.253	Yes	0.026	0.982			
00621	317	316	12	250.5	0.004	1.073	1.073	Free Surfac	2.827	0.487	0.478	0.487	0.436	0.808	2.246	No	0.487	2.827			
00622	318	317	12	248.25	0.012	1.069	1.069	Free Surfac	4.291	0.354	0.269	0.354	0.435	1.482	3.972	Yes	0.421	3.408			
00623	319	318	12	350.87	0.009	1.065	1.065	Free Surfac	3.82	0.385	0.314	0.385	0.434	1.258	3.39	No	0.385	3.82			
00624	104	103	12	191.63	0.014	1.008	1.008	Free Surfac	4.372	0.335	0.242	0.335	0.422	1.559	4.169	Yes	0.813	1.475			
00625	105	104	12	189.21	0.022	1.004	1.004	Free Surfac	5.195	0.295	0.189	0.295	0.421	1.988	5.31	Yes	0.315	4.74			
00626	102	105	12	196.9	0.041	0.999	0.999	Free Surfac	6.475	0.251	0.138	0.251	0.42	2.704	7.241	Yes	0.273	5.744			
00627	320	102	12	258.68	0.021	0.995	0.995	Free Surfac	5.119	0.296	0.191	0.296	0.419	1.955	5.22	No	0.296	5.119			
00628	438	319	12	364.47	0.022	1.06	1.06	Free Surfac	5.252	0.304	0.201	0.304	0.433	1.976	5.276	Yes	0.344	4.423			
00629	439	438	12	12.66	0.041	1.017	1.017	Free Surfac	6.506	0.253	0.14	0.253	0.424	2.704	7.24	Yes	0.279	5.689			
00630	103	439	12	186.34	0.003	1.013	1.013	Free Surfac	2.391	0.531	0.553	0.531	0.423	0.647	1.832	No	0.531	2.391			
00631	2460	2459	8	247.88	0.004	0.027	0.027	Free Surfac	1.057	0.128	0.035	0.085	0.075	0.771	0.789	Yes	0.111	0.716			
00632	677	678	8	279.17	0.031	0.014	0.014	Free Surfac	1.71	0.057	0.006	0.038	0.053	1.874	2.123	Yes	0.095	0.447			
00633	294	295	8	222.51	0.026	0.099	0.099	Free Surfac	2.926	0.153	0.05	0.102	0.143	1.945	1.954	Yes	0.103	2.874			
00634	2373	2382	8	298.44	0.027	0.039	0.039	Free Surfac	2.227	0.097	0.02	0.065	0.089	1.868	1.973	Yes	0.119	0.919			
00635	1620	2383	8	376.39	0.01	0.017	0.017	Free Surfac	1.222	0.082	0.014	0.055	0.058	1.117	1.205	No	0.055	1.222			
00636	1631	1728	10	267.37	0.006	1.163	1.163	Free Surfac	3.279	0.619	0.704	0.516	0.481	0.873	1.651	Yes	0.549	3.053			
00638	1557	1554	8	167.48	0.042	0.082	0.082	Free Surfac	3.284	0.124	0.033	0.083	0.13	2.433	2.498	Yes	0.089	2.965			
00640	1635	1634	8	474.96	0.026	0.58	0.58	Free Surfac	4.906	0.372	0.294	0.248	0.358	2.019	1.97	Yes	0.284	4.092			
00641	1123	1124	21	362.8	0.003	13.692	13.692	Pressurized	5.693	1	1.575	1.75	1.095	0.758	8.692	Yes	1.75	5.693	21.05	24	2
00642	1124	1120	21	409.27	0.002	13.697	13.697	Pressurized	5.695	1	1.964	1.75	0.977	0.759	6.976	Yes	1.75	5.695	22.71	24	2
00643	1634	1614	8	387.79	0.011	0.588	0.588	Free Surfac	3.557	0.479	0.465	0.319	0.36	1.259	1.265	No	0.319	3.557			
00644	1614	1615	8	331.91	0.012	0.596	0.596	Free Surfac	3.658	0.474	0.456	0.316	0.363	1.303	1.307	No	0.316	3.658			
00645	1564	1558	8	134.2	0.036	0.098	0.098	Free Surfac	3.285	0.14	0.042	0.094	0.142	2.281	2.311	Yes	0.106	2.751			
00646	543	675	8	242.89	0.031	0.031	0.031	Free Surfac	2.2	0.084	0.014	0.056	0.079	1.988	2.138	Yes	0.112	0.796			
00647	508	676	8	211.65	0.01	0.261	0.261	Free Surfac	2.764	0.316	0.216	0.21	0.236	1.247	1.209	No	0.21	2.764			
00648	676	675	8	273.77	0.067	0.269	0.269	Free Surfac	5.489	0.198	0.086	0.132	0.24	3.186	3.134	Yes	0.15	4.557			
00649	675	694	8	358.98	0.035	0.308	0.308	Free Surfac	4.544	0.249	0.135	0.166	0.257	2.336	2.271	Yes	0.174	4.257			
00650	694	692	8	326.32	0.034	0.346	0.346	Free Surfac	4.665	0.266	0.154	0.177	0.273	2.315	2.246	Yes	0.203	3.843			
00651	693	692	8	362.03	0.064	0.077	0.077	Free Surfac	3.737	0.109	0.025	0.073	0.126	2.951	3.073	Yes	0.151	1.301			

00652	692	570	8	160.85	0.02	0.432	0.432	Free Surfac	4.108	0.341	0.25	0.227	0.307	1.775	1.725	No	0.227	4.108			
00653	570	571	8	132.92	0.034	0.455	0.455	Free Surfac	5.015	0.306	0.204	0.204	0.315	2.301	2.23	Yes	0.206	4.946			
00654	571	572	8	294.14	0.033	0.463	0.463	Free Surfac	5.012	0.31	0.209	0.207	0.318	2.283	2.213	Yes	0.209	4.939			
00655	572	568	8	297.42	0.034	0.47	0.47	Free Surfac	5.047	0.313	0.212	0.208	0.321	2.29	2.22	Yes	0.21	4.996			
00656	715	716	8	249.49	0.017	0.136	0.136	Free Surfac	2.775	0.198	0.086	0.132	0.169	1.609	1.583	Yes	0.147	2.389			
00657	716	807	8	401.9	0.008	0.147	0.147	Free Surfac	2.185	0.247	0.134	0.165	0.175	1.127	1.096	No	0.165	2.185			
00658	807	808	8	169.47	0.025	0.157	0.157	Free Surfac	3.293	0.194	0.083	0.13	0.182	1.93	1.901	Yes	0.139	2.98			
00660	808	710	8	242.93	0.016	0.168	0.168	Free Surfac	2.908	0.222	0.108	0.148	0.188	1.588	1.552	Yes	0.155	2.713			
00661	710	809	8	77.04	0.014	0.178	0.178	Free Surfac	2.803	0.238	0.124	0.158	0.194	1.476	1.438	No	0.158	2.803			
00662	809	810	8	401.43	0.019	0.189	0.189	Free Surfac	3.156	0.228	0.114	0.152	0.199	1.701	1.66	No	0.152	3.156			
00663	810	708	8	220.87	0.026	0.199	0.199	Free Surfac	3.592	0.216	0.102	0.144	0.205	1.991	1.948	Yes	0.159	3.126			
00664	708	709	8	59.03	0.014	0.21	0.21	Free Surfac	2.934	0.258	0.146	0.172	0.211	1.478	1.435	No	0.172	2.934			
00665	575	720	8	230.38	0.026	0.316	0.316	Free Surfac	4.129	0.271	0.161	0.181	0.26	2.026	1.965	No	0.181	4.129			
00666	720	646	8	226.04	0.033	0.343	0.343	Free Surfac	4.606	0.266	0.155	0.177	0.272	2.283	2.214	Yes	0.18	4.505			
00667	646	645	8	220.73	0.033	0.357	0.357	Free Surfac	4.624	0.273	0.163	0.182	0.278	2.261	2.192	Yes	0.184	4.554			
00668	645	644	8	316.88	0.034	0.398	0.398	Free Surfac	4.84	0.286	0.178	0.19	0.294	2.308	2.237	Yes	0.192	4.781			
00669	644	642	8	319.15	0.033	0.412	0.412	Free Surfac	4.811	0.294	0.188	0.196	0.299	2.259	2.189	No	0.196	4.811			
00670	642	641	8	148.02	0.035	0.425	0.425	Free Surfac	4.995	0.293	0.187	0.195	0.304	2.35	2.277	Yes	0.667	1.219			
00671	641	638	8	171.23	0.05	0.439	0.439	Pressurized	5.688	0.273	0.163	0.182	0.309	2.78	2.696	Yes	0.667	1.258			
00672	534	655	8	222.81	0.022	0.054	0.054	Free Surfac	2.312	0.119	0.03	0.079	0.105	1.748	1.802	No	0.079	2.312			
00673	830	654	8	330.94	0.076	0.005	0.005	Free Surfac	1.682	0.028	0.001	0.019	0.03	2.65	3.342	Yes	0.032	0.738			
00674	654	151	8	247.87	0.008	0.009	0.009	Free Surfac	0.941	0.066	0.009	0.044	0.043	0.962	1.069	Yes	0.192	0.111			
00675	542	832	8	187.59	0.073	0.11	0.11	Free Surfac	4.334	0.126	0.034	0.084	0.151	3.189	3.269	Yes	0.092	3.785			
00676	652	648	8	428.94	0.033	0.144	0.144	Free Surfac	3.555	0.174	0.066	0.116	0.174	2.209	2.194	Yes	0.133	2.904			
00677	568	579	8	158.12	0.032	0.486	0.486	Free Surfac	4.985	0.323	0.226	0.215	0.326	2.222	2.154	Yes	0.328	2.842			
00678	579	581	8	45.72	0.042	0.494	0.494	Free Surfac	5.555	0.302	0.198	0.201	0.329	2.569	2.489	Yes	0.241	4.329			
00679	717	718	8	280.72	0.035	0.008	0.008	Free Surfac	1.51	0.043	0.003	0.028	0.039	1.927	2.28	Yes	0.113	0.199			
00680	665	663	8	52.18	0.039	1.182	1.182	Pressurized	6.827	0.497	0.495	0.331	0.515	2.361	2.39	Yes	0.667	3.386			
00681	832	2459	8	300.8	0.04	0.124	0.124	Free Surfac	3.641	0.153	0.051	0.102	0.16	2.415	2.426	Yes	0.12	2.894			
00682	151	665	8	194.38	0.035	1.177	1.177	Free Surfac	6.576	0.51	0.517	0.34	0.514	2.236	2.276	Yes	0.667	3.373			
00683	2459	679	8	235.61	0.021	0.165	0.165	Free Surfac	3.169	0.206	0.093	0.138	0.186	1.8	1.766	No	0.138	3.169			
00684	679	678	8	247.21	0.03	0.178	0.178	Free Surfac	3.658	0.197	0.085	0.132	0.194	2.126	2.092	Yes	0.142	3.277			
00685	7	6	8	401.49	0.004	4.19	4.19	Pressurized	12.004	1	5.622	0.667	0.408	2.591	0.745	Yes	0.667	12.004	12.79	15	2
00686	6	5	8	394.82	0.004	4.197	4.197	Pressurized	12.023	1	5.716	0.667	0.405	2.595	0.734	Yes	0.667	12.023	12.80	15	2
00688	3	195	18	341.57	0.006	11.38	11.38	Pressurized	6.44	1	1.45	1.5	1.086	0.927	7.851	Yes	1.5	6.44	17.25	18	2
00689	195	196	18	507.2	0.01	11.392	11.392	Pressurized	6.446	1	1.105	1.5	1.235	0.928	10.309	Yes	1.5	6.446	15.68	18	2
00690	271	51	12	423.57	0.005	0.609	0.609	Pressurized	2.556	0.343	0.253	0.343	0.325	0.899	2.406	Yes	1	0.776			
00691	51	52	12	419.96	0.005	0.62	0.62	Pressurized	2.582	0.345	0.256	0.345	0.328	0.905	2.424	Yes	1	0.79			
00692	52	53	12	419.45	0.004	0.632	0.632	Pressurized	2.524	0.355	0.271	0.355	0.331	0.87	2.332	Yes	1	0.804			
00693	269	270	8	424.91	0.016	0.086	0.086	Free Surfac	2.362	0.161	0.056	0.107	0.133	1.528	1.528	Yes	0.667	0.246			
00694	280	279	8	226.8	0.005	0.411	0.411	Free Surfac	2.471	0.481	0.468	0.321	0.299	0.872	0.877	No	0.321	2.471			
00695	278	279	8	172.03	0.027	0.045	0.045	Free Surfac	2.347	0.104	0.023	0.069	0.096	1.905	1.996	Yes	0.169	0.648			
00696	277	278	8	182.6	0.006	0.034	0.034	Free Surfac	1.235	0.132	0.037	0.088	0.083	0.885	0.902	No	0.088	1.235			
00697	270	271	8	294.13	0.005	0.564	0.564	Pressurized	2.638	0.589	0.653	0.393	0.353	0.814	0.864	Yes	0.667	1.616			
00698	272	271	8	59.9	0.161	0.034	0.034	Free Surfac	4.005	0.059	0.007	0.04	0.083	4.317	4.867	Yes	0.667	0.097			
00699	276	277	8	109.60	0.004	0.022	0.022	Free Surfac	0.991	0.116	0.029	0.078	0.067	0.759	0.784	Yes	0.082	0.909			
00700	719	720	8	234.54	0.006	0.014	0.014	Free Surfac	0.955	0.085	0.015	0.057	0.053	0.856	0.919	Yes	0.117	0.333			
00701	661	833	8	340.48	0.029	0.014	0.014	Free Surfac	1.68	0.058	0.007	0.039	0.053	1.831	2.07	Yes	0.055	0.996			
00702	273	272	8	107.36	0.008	0.022	0.022	Free Surfac	1.264	0.099	0.02	0.066	0.067	1.053	1.11	No	0.066	1.264			
00703	275	276	8	97.12	0.008	0.011	0.011	Free Surfac	1.006	0.072	0.01	0.048	0.048	0.984	1.08	Yes	0.064	0.662			
00704	274	273	8	97.32	0	0.011	0.011	Free Surfac	0.347	0.149	0.048	0.099	0.048	0.234	0.236	No	0.099	0.347			
00706	269	280	8	95.36	0.036	0.13	0.13	Free Surfac	3.571	0.161	0.056	0.107	0.164	2.311	2.311	Yes	0.214	1.341			
00707	281	280	8	217.78	0.005	0.27	0.27	Free Surfac	2.182	0.385	0.313	0.256	0.24	0.881	0.861	Yes	0.289	1.864			
00708	282	281	8	64.45	0.003	0.214	0.214	Free Surfac	1.715	0.387	0.317	0.258	0.213	0.69	0.675	No	0.258	1.715			
00709	121	282	8	104.95	0.009	0.112	0.112	Free Surfac	2.089	0.212	0.098	0.141	0.153	1.171	1.147	Yes	0.199	1.282			
00710	118	121	8	48.3	0	0.079	0.079	Free Surfac	0.483	0.474	0.456	0.316	0.127	0.172	0.173	No	0.316	0.483			
00711	117	118	8	66.47	0.011	0.067	0.067	Free Surfac	1.902	0.158	0.054	0.105	0.118	1.241	1.243	Yes	0.211	0.713			
00712	116	117	8	76.01	0.013	0.056	0.056	Free Surfac	1.934	0.138	0.041	0.092	0.107	1.355	1.375	Yes	0.098	1.752			
00713	115	116	8	70.27	0.01	0.045	0.045	Free Surfac	1.64	0.133	0.038	0.088	0.096	1.173	1.195	Yes	0.092	1.541			
00714	112	115	8	142.46	0.012	0.034	0.034	Free Surfac	1.6	0.111	0.026	0.074	0.083	1.256	1.306	Yes	0.079	1.449			
00715	111	112	8	52.27	0.021	0.022	0.022	Free Surfac	1.742	0.079	0.013	0.053	0.067	1.622	1.758	Yes	0.064	1.325			
00716	110	111	8	54.29	0.043	0.011	0.011	Free Surfac	1.805	0.048	0.004	0.032	0.048	2.157	2.504	Yes	0.042	1.231			
00717	119	120	8	72.33	0.009	0.011	0.011	Free Surfac	1.066	0.069	0.01	0.046	0.048	1.064	1.175	Yes	0.058	0.751			
00718	120	121	8	375.12	0.006	0.022	0.022	Free Surfac	1.143	0.106	0.023	0.07	0.067	0.919	0.961	Yes	0.106	0.633			
00719	122	281	8	189.69	0.017	0.045	0.045	Free Surfac	1.974	0.117	0.029	0.078	0.096	1.508	1.559	Yes	0.167	0.657			
00720	123	122	8	79.2	0.018	0.034	0.034	Free Surfac	1.859	0.1	0.021	0.067	0.083	1.538	1.619	Yes	0.074	1.592			
00721	2	1	8	75.26	0.012	0.011	0.011	Free Surfac	1.166	0.065	0.008	0.043	0.048	1.2	1.336	Yes	0.063	0.669			
00722	1	123	8	68.11	0.004	0.022	0.022	Free Surfac	0.976	0.118	0.029	0.078	0.067	0.743	0.767	No	0.078	0.976			
00723	283	282	8	118.7	0.006	0.09	0.09	Free Surfac	1.679	0.211	0.097	0.141	0.136	0.943	0.924	Yes	0.199	1.028			
00724	285	283	8	72.03	0.007	0.079	0.079	Free Surfac	1.766	0.185	0.075	0.124	0.127	1.061	1.049	Yes	0.132	1.606			
00726	286	285	8	155.11	0.007	0.067	0.067	Free Surfac	1.686	0.172	0.064	0.115	0.118	1.054	1.048	Yes	0.119	1.596			
00727	287	286	8	64.1	0.005	0.056	0.056	Free Surfac	1.37	0.175	0.067	0.117	0.107	0.849	0.843	No	0.117	1.37			
00728	288	287	8	88.34	0.003	0.045	0.045	Free Surfac	1.031	0.183	0.073	0.122	0.096	0.625	0.618	No	0.122	1.031			
00729	289	288	8	58.9	0.03	0.034	0.034	Free Surfac	2.225	0.088	0.016	0.059	0.083	1.96	2.094	Yes	0.09	1.191			
00730	290	289	8	71.29	0.018	0.011	0.011	Free Surfac	1.331	0.06	0.007	0.04	0.048	1.433	1.615	Yes	0.047	1.024			
00731	291	289	8	44.98	0.031	0.011	0.011	Free Surfac	1.616	0.052	0.005	0.035	0.048	1.859	2.135	Yes	0.045	1.107			
00732	210	209	8	163.22	0.021	0.027	0.027	Free Surfac	1.843	0.085	0.015	0.057	0.073	1.651	1.772	Yes	0.065	1.522			
00734	264	263	8	397.25	0.036	0.011	0.011	Free Surfac	1.667	0.049	0.005	0.033	0.046	1.976	2.289	Yes	0.034	1.559			
00735	263	261	8	101.97	0.063	0.021	0.021	Free Surfac	2.509	0.06	0.007	0.04	0.066	2.699	3.041	Yes	0.06	1.37			
00736	261	260	8	272.43	0.006	0.027	0.027	Free Surfac	1.171	0.116	0.029	0.078	0.073	0.895	0.926	Yes	0.081	1.105			
00737	260	258	8	190.42	0.006	0.032	0.032	Free Surfac	1.252	0.126	0.034	0.084	0.08	0.92	0.943	No	0.084	1.252			
00738	209	208	8	91.05	0.013	0.032	0.032	Free Surfac	1.627	0.105	0.023	0.07	0.08	1.31	1.37	No	0.07	1.627			
00739	205	18	8	118.3	0.005	0.016	0.016	Free Surfac	0.983	0.093	0.018	0.062	0.057	0.846	0.898	Yes	0.089	0.575			
00740	48	237	8	152.96	0.005	0.005	0.005	Free Surfac	0.684	0.056	0.006	0.037	0.033	0.758	0.861	Yes	0.044	0.535			
00741	237	205	8	126.61	0.007	0.011	0.011	Free Surfac	0.955	0.072	0.01	0.048	0.046	0.936	1.028	Yes	0.056	0.763			
00742	258	259	8	185.19	0.112	0.037	0.037	Free Surfac	3.639	0.068	0.009	0.045	0.087	3.67	4.063	Yes	0.047	3.377			
00743	594	836	8	206.48	0.036	0.033	0.033	Free Surfac	2.352	0.084	0.014	0.056	0.082	2.125	2.286	Yes	0.082	1.351			
00744	598	595	8	192.73	0.008	0.022	0.022	Free Surfac	1.224	0.1	0.021	0.066	0.067	1.015	1.068	Yes	0.068	1.191			
00745	2825	598	8	275.85	0.002	0.011	0.011	Free Surfac	0.61	0.1	0.021	0.066	0.047	0.505	0.532	Yes	0.067	0.598			
00746	838	594	8	299.4	0.051	0.022	0.022	Free Surfac	2.356	0.064	0.008	0.043	0.067	2.449	2.733	Yes	0.051	1.826			
00747	839	838	8	350.87	0.024	0.011	0.011	Free Surfac	1.469	0.055	0.006	0.037	0.047	1.647	1.877	Yes	0.04	1.31			
00748	690	691	8	283.77	0.057	0.015	0.015	Free Surfac	2.19	0.052	0.005	0.035	0.056	2.517	2.89	Yes	0.056	1.076			
00749	691	701	8	279.9	0.008	0.031	0.031	Free Surfac	1.378	0.115	0.028	0.076	0.079	1.063	1.101	Yes	0.077	1.361			
00750	700	701	8	120.31	0.026	0.015	0.015	Free Surfac	1.666	0.063	0.008	0.042	0.056	1.745	1.951	Yes	0.06	0.986			
00751	701	702	8	400.94	0.031	0.061	0.061	Free Surfac	2.704	0.116	0.029	0.077	0.112	2.071	2.141	Yes	0.09	2.182			
00752	703	702	8	289.65	0.014	0.015	0.015	Free Surfac	1.343	0.073	0.011	0.049	0.056	1.305	1.431	Yes	0.075	0.705			
00753	840	702	8	279.81	0.006	0.015	0.015	Free Surfac	0.986	0.09	0.017	0.06	0.056	0.861	0.919	Yes	0.081	0.634			
00754	702	591	8	284.34	0.028	0.107	0.107	Free Surfac	3.086	0.156	0.053	0.104	0.149	2.031	2.037	Yes	0.105	3.034			
00755	591	841	8	300.58	0.028	0.122	0.122	Free Surfac	3.204	0.166	0.06	0.111	0.16	2.036	2.03	Yes	0.116	3.023			
00756	841	593	8	299.35	0.027	0.138	0.138	Free Surfac	3.256	0.179	0.07	0.119	0.17	1.995	1.977	Yes	0.124	3.06			
00757	590	593	8	324.88	0.015	0.015	0.015	Free Surfac	1.374	0.072	0.01	0.048	0.056	1.347	1.479	Yes	0.089	0.554			
00758	593	592	8	323.98	0.031	0.168	0.168	Free Surfac	3.654	0.19	0.079	0.126	0.188	2.17	2.141	Yes	0.142	3.097			
00759	724	603	8	226.48	0.03	0.214	0.214	Free Surfac	3.882	0.215	0.101	0.143	0.213	2.157	2.111	Yes	0.155	3.469			
00760	592	724	8	136.33	0.015	0.183	0.183	Free Surfac	2.874	0.238	0.125	0.159	0.197	1.511	1.472	No	0.159	2.874			
00761	603	604	8	218	0.021	0.229	0.229	Free Surfac	3.49	0.243	0.13	0.162	0.221	1.815	1.766	Yes	0.163	3.472			
00762	604	605	8	259.64	0.03	0.275	0.275	Free Surfac	4.176	0.244	0.13	0.163	0.242	2.17	2.111	Yes	0.184	3.51			
00763	605	606	8	222.14	0.014	0.29	0.29	Free Surfac	3.195	0.307	0.205	0.205	0.249	1.465	1.419	Yes	0.219	2.904			
00764	606	612	8	235.68	0.026	0.525	0.525	Free Surfac	4.767	0.353	0.267	0.235	0.34	2.021	1.966	No	0.235	4.767			
00765	612	608	8	242.2	0.034	0.54	0.54	Free Surfac	5.273	0.335	0.242	0.223	0.345	2.303	2.235	Yes	0.223	5.273			
00766	608	611	8	319.51	0.047	0.617	0.617	Free Surfac	6.151	0.329	0.234	0.22	0.369	2.71	2.63	Yes	0.236	5.573			
00767	611	625	8	175.19	0.029	0.632	0.632	Free Surfac	5.214	0.379	0.305	0.253	0.374	2.123	2.073	Yes	0.255	5.146			
00768	625	1647	8	228.06	0.029	0.647	0.647	Free Surfac	5.203	0.386	0.316	0.257	0.379	2.095	2.049	Yes	0.354	3.431			
00769	684	683	8	279.12	0.011	0.011	0.011	Free Surfac	1.113	0.066	0.009	0.044	0.047	1.138	1.264	No	0.044	1.113			
00770	683	842	8	341.58	0.049	0.022	0.022	Free Surfac	2.313	0.064	0.008	0.043	0.067	2.396	2.671	Yes	0.052	1.76			
00771	842	334	8	342.34	0.026	0.033	0.033	Free Surfac	2.097	0.09	0.017	0.06	0.082	1.826	1.946	Yes	0.066	1.843			
00772	335	334	8	298.56	0.039	0.011	0.011	Free Surfac	1.732	0.049	0.005	0.033	0.047	2.058	2.386	Yes	0.052	0.869			
00773	589	722	8	231.42	0.014	0.11	0.11	Free Surfac	2.429	0.187	0.076	0.125	0.151	1.453	1.435	No	0.125	2.429			
00774	843	589	8	226.89	0.016	0.099	0.099	Free Surfac	2.492	0.171	0.063	0.114	0.143	1.564	1.556	Yes	0.12	2.301			
00775	587	843	8	299.7	0.025	0.077	0.077	Free Surfac	2.684	0.136	0.04	0.091	0.126	1.893	1.924	Yes	0.104	2.197			
00776	588	587	8	300.83	0.026	0.066	0.066	Free Surfac	2.577	0.126	0.034	0.084	0.116	1.891	1.938	Yes	0.09	2.349			
00777	334	588	8	284.94	0.031	0.055	0.055	Free Surfac	2.614	0.11	0.026	0.073	0.106	2.056	2.139	Yes	0.08	2.322			
00778	721	722	8	276.79	0.01	0.011	0.011	Free Surfac	1.096	0.067	0.009	0.044	0.047	1.113	1.235	Yes	0.075	0.507			
00779	723	724	8	274.13	0.029	0.015	0.015	Free Surfac	1.736	0.061	0.007	0.041	0.056	1.844	2.07	Yes	0.093	0.518			
00780	722	618	8	234.76	0.035	0.131	0.131	Free Surfac	3.54	0.163	0.058	0.109	0.166	2.273	2.27	Yes	0.119	3.11			
00781	618	617	8	218.55	0.019	0.142	0.142	Free Surfac	2.943	0.196	0.084	0.131	0.173	1.716	1.689	No	0.131	2.943			
00782	626	617	8	278.48	0.015	0.011	0.011	Free Surfac	1.235	0.061	0.007	0.041	0.047	1.308	1.468	Yes	0.084	0.432			
00783	617	844	8	242.8	0.027	0.164	0.164	Free Surfac	3.455	0.194	0.082	0.129	0.186	2.027	1.997	Yes	0.132	3.365			

00784	844	615	8	230.74	0.028	0.186	0.186	Free Surfac	3.638	0.204	0.091	0.136	0.198	2.077	2.039	Yes	0.18	2.459			
00785	615	613	8	241.17	0.005	0.208	0.208	Free Surfac	1.993	0.339	0.248	0.226	0.21	0.864	0.839	No	0.226	1.993			
00786	624	615	8	225.97	0.01	0.011	0.011	Free Surfac	1.085	0.067	0.009	0.045	0.047	1.1	1.219	Yes	0.134	0.219			
00787	613	606	8	250.27	0.024	0.219	0.219	Free Surfac	3.619	0.23	0.116	0.153	0.215	1.941	1.893	Yes	0.194	2.604			
00788	614	610	8	249.95	0.027	0.015	0.015	Free Surfac	1.69	0.062	0.008	0.042	0.056	1.778	1.991	Yes	0.057	1.047			
00789	610	609	8	242.32	0.02	0.046	0.046	Free Surfac	2.138	0.112	0.026	0.075	0.097	1.668	1.732	Yes	0.086	1.747			
00790	609	608	8	238.29	0.013	0.061	0.061	Free Surfac	1.967	0.144	0.045	0.096	0.112	1.346	1.36	Yes	0.16	0.952			
00791	621	622	8	240.72	0.008	0.009	0.009	Pressurized	0.942	0.066	0.009	0.044	0.043	0.963	1.07	Yes	0.667	0.027			
00792	623	621	8	229.36	0.044	0.005	0.005	Free Surfac	1.392	0.032	0.002	0.021	0.03	2.058	2.545	Yes	0.667	0.013			
00793	356	2833	8	314.64	0.019	0.042	0.042	Free Surfac	2.028	0.109	0.025	0.072	0.092	1.608	1.676	Yes	0.667	0.119			
00794	342	341	8	272.35	0.018	0.187	0.187	Pressurized	3.085	0.23	0.116	0.153	0.199	1.654	1.613	Yes	0.667	0.536			
00795	341	340	8	193.03	0.012	0.208	0.208	Pressurized	2.766	0.268	0.157	0.178	0.21	1.366	1.325	Yes	0.667	0.595			
00796	350	351	8	319.11	0.027	1.392	1.392	Free Surfac	6.151	0.618	0.702	0.412	0.555	1.834	1.983	No	0.412	6.151			
00797	349	350	8	146.22	0.004	1.371	1.371	Pressurized	3.929	1	1.711	0.667	0.424	0.848	0.801	Yes	0.667	3.929	8.41	10	2
00798	352	349	8	204.86	0.005	1.351	1.351	Pressurized	3.869	1	1.596	0.667	0.436	0.835	0.847	Yes	0.667	3.869	8.03	10	2
00799	355	356	8	310.07	0.029	0.021	0.021	Free Surfac	1.907	0.071	0.01	0.047	0.065	1.882	2.072	Yes	0.062	1.279			
00800	354	353	8	217.07	0.003	0.395	0.395	Pressurized	1.868	0.583	0.643	0.389	0.293	0.581	0.614	Yes	0.667	1.131			
00801	552	1140	8	230.12	0.112	0.125	0.125	Free Surfac	5.238	0.12	0.031	0.08	0.161	3.94	4.058	Yes	0.095	4.117			
00802	554	705	8	154.06	0.032	0.021	0.021	Free Surfac	1.966	0.069	0.01	0.046	0.065	1.96	2.163	Yes	0.072	1.018			
00803	704	705	8	178.79	0.03	0.042	0.042	Free Surfac	2.369	0.098	0.02	0.065	0.092	1.982	2.092	Yes	0.082	1.699			
00804	370	704	8	232.38	0.035	0.021	0.021	Free Surfac	2.033	0.068	0.009	0.045	0.065	2.05	2.27	Yes	0.054	1.574			
00805	343	342	8	149.9	0.05	0.104	0.104	Free Surfac	3.739	0.134	0.038	0.089	0.147	2.662	2.711	Yes	0.667	0.298			
00806	346	345	8	107.05	0.02	0.021	0.021	Free Surfac	1.658	0.078	0.012	0.052	0.065	1.56	1.695	Yes	0.066	1.169			
00807	668	666	8	232.72	0.06	0.43	0.43	Free Surfac	6.042	0.257	0.145	0.172	0.306	3.048	2.96	Yes	0.667	1.231			
00808	667	666	8	10.39	0.019	1.251	1.251	Pressurized	5.277	0.643	0.744	0.428	0.529	1.527	1.681	Yes	0.667	3.584			
00809	666	674	8	281.35	0.01	1.687	1.687	Pressurized	4.833	1	1.41	0.667	0.518	1.043	1.197	No	0.667	4.833	9.93	10	1
00813	363	2832	8	220.34	0.159	0.623	0.623	Free Surfac	9.531	0.243	0.129	0.162	0.372	4.965	4.831	Yes	0.193	7.444			
00814	669	668	8	337.46	0.033	0.419	0.419	Free Surfac	4.867	0.295	0.19	0.197	0.302	2.279	2.208	No	0.197	4.867			
00815	706	674	8	450.68	0.058	0.439	0.439	Free Surfac	6.021	0.262	0.151	0.175	0.309	3.008	2.919	Yes	0.237	3.953			
00816	805	806	8	396.57	0.007	0.021	0.021	Free Surfac	1.134	0.101	0.021	0.067	0.065	0.933	0.98	Yes	0.088	0.769			
00817	1058	1057	8	113.8	0.006	0.011	0.011	Free Surfac	0.908	0.076	0.012	0.051	0.047	0.862	0.94	No	0.051	0.908			
00818	709	713	8	225.9	0.081	0.22	0.22	Free Surfac	5.527	0.171	0.064	0.114	0.216	3.46	3.441	No	0.114	5.527			
00819	713	670	8	137.17	0.14	0.231	0.231	Free Surfac	6.81	0.153	0.051	0.102	0.221	4.52	4.541	No	0.102	6.81			
00820	670	669	8	161.57	0.158	0.241	0.241	Free Surfac	7.2	0.152	0.05	0.101	0.226	4.798	4.823	Yes	0.149	4.144			
00822	673	669	8	96.69	0.05	0.168	0.168	Free Surfac	4.317	0.168	0.062	0.112	0.188	2.727	2.716	Yes	0.154	2.739			
00823	672	673	8	159.38	0.055	0.157	0.157	Free Surfac	4.373	0.16	0.055	0.106	0.182	2.84	2.843	Yes	0.112	4.08			
00824	671	672	8	66.34	0.057	0.147	0.147	Free Surfac	4.342	0.153	0.051	0.102	0.175	2.884	2.897	Yes	0.106	4.1			
00825	727	726	8	235.85	0.043	0.01	0.01	Free Surfac	1.766	0.047	0.004	0.031	0.046	2.145	2.502	Yes	0.046	0.996			
00826	780	671	8	165.78	0.055	0.136	0.136	Free Surfac	4.195	0.149	0.048	0.099	0.169	2.826	2.846	Yes	0.1	4.133			
00827	726	780	8	199.78	0.014	0.021	0.021	Free Surfac	1.489	0.084	0.014	0.056	0.065	1.346	1.447	Yes	0.078	0.913			
00828	1075	1077	8	131.32	0.026	0.033	0.033	Free Surfac	2.095	0.091	0.017	0.061	0.082	1.818	1.935	No	0.061	2.095			
00829	1072	1075	8	271.37	0.031	0.011	0.011	Free Surfac	1.597	0.052	0.005	0.035	0.047	1.842	2.116	Yes	0.047	1.027			
00830	1077	1745	8	73.98	0.258	0.044	0.044	Free Surfac	5.119	0.06	0.007	0.04	0.095	5.472	6.155	Yes	0.667	0.127			
00831	1745	1657	8	218.41	0.01	0.055	0.055	Free Surfac	1.741	0.146	0.046	0.098	0.106	1.183	1.193	Yes	0.106	1.541			
00832	1657	1658	8	90.64	0.129	0.291	0.291	Free Surfac	7.087	0.175	0.067	0.117	0.25	4.385	4.354	Yes	0.13	6.057			
00833	892	891	12	440.23	0.032	1.783	1.783	Free Surfac	6.982	0.361	0.279	0.361	0.568	2.386	6.402	Yes	0.374	6.652			
00834	891	890	12	461.93	0.025	1.787	1.787	Free Surfac	6.358	0.387	0.318	0.387	0.569	2.086	5.624	No	0.387	6.358			
00835	890	889	12	478.59	0.032	1.814	1.814	Free Surfac	7.014	0.364	0.283	0.364	0.573	2.385	6.402	Yes	1	2.31			
00836	885	877	12	455.49	0.008	2.195	2.195	Pressurized	4.41	0.606	0.682	0.606	0.633	1.089	3.219	Yes	1	2.795			
00837	889	2960	12	273.63	0.005	2.091	2.091	Pressurized	3.484	0.714	0.859	0.714	0.618	0.753	2.434	Yes	1	2.662	9.45	10	2
00838	888	887	12	539.01	0.002	2.143	2.143	Pressurized	2.728	1	1.261	1	0.554	0.481	1.699	Yes	1	2.728	11.33	12	2
00839	2961	886	12	308.35	0.002	2.177	2.177	Pressurized	2.772	1	1.382	1	0.533	0.489	1.576	Yes	1	2.772	11.40	12	2
00840	886	885	12	96.59	0.011	2.189	2.189	Pressurized	4.97	0.548	0.582	0.548	0.632	1.317	3.762	Yes	1	2.787			
00841	861	860	8	190.18	0.035	0.004	0.004	Free Surfac	1.21	0.031	0.002	0.02	0.028	1.82	2.263	Yes	0.024	0.93			
00842	860	857	8	251.76	0.019	0.008	0.008	Free Surfac	1.212	0.049	0.005	0.033	0.039	1.442	1.672	No	0.033	1.212			
00843	857	858	8	196.02	0.034	0.011	0.011	Free Surfac	1.685	0.051	0.005	0.034	0.048	1.954	2.248	Yes	0.038	1.462			
00844	858	859	8	201.1	0.024	0.015	0.015	Free Surfac	1.625	0.064	0.008	0.043	0.056	1.687	1.882	Yes	0.049	1.313			
00845	859	2959	8	104.39	0.012	0.019	0.019	Free Surfac	1.362	0.084	0.014	0.056	0.062	1.232	1.326	No	0.056	1.362			
00846	794	793	8	247.59	0.017	0.063	0.063	Free Surfac	2.186	0.136	0.04	0.091	0.113	1.541	1.566	Yes	0.116	1.54			
00847	793	792	8	394.92	0.03	0.222	0.222	Free Surfac	3.929	0.219	0.105	0.146	0.217	2.164	2.116	No	0.146	3.929			
00848	792	787	8	271.49	0.072	0.239	0.239	Free Surfac	5.442	0.183	0.073	0.122	0.225	3.289	3.253	Yes	0.125	5.244			
00849	790	791	8	156.81	0.085	0.006	0.006	Free Surfac	1.864	0.03	0.002	0.02	0.034	2.836	3.537	Yes	0.052	0.448			
00850	791	793	8	133.82	0.118	0.153	0.153	Free Surfac	5.671	0.131	0.037	0.088	0.179	4.077	4.159	Yes	0.114	3.86			
00851	787	786	8	260.92	0.074	0.25	0.25	Free Surfac	5.558	0.187	0.076	0.124	0.231	3.328	3.288	Yes	0.128	5.344			
00852	904	786	8	159.18	0.04	0.006	0.006	Free Surfac	1.435	0.036	0.002	0.024	0.034	1.999	2.428	Yes	0.078	0.251			
00853	786	903	8	130.15	0.072	0.261	0.261	Free Surfac	5.59	0.192	0.08	0.128	0.236	3.3	3.254	Yes	0.142	4.801			
00854	903	902	8	148.15	0.03	0.267	0.267	Free Surfac	4.132	0.241	0.127	0.16	0.239	2.162	2.104	Yes	0.667	0.765			
00855	902	889	8	382.8	0.007	0.273	0.273	Pressurized	2.526	0.348	0.26	0.232	0.241	1.079	1.049	Yes	0.667	0.782			
00856	788	792	8	236.71	0.051	0.011	0.011	Free Surfac	1.931	0.047	0.004	0.031	0.048	2.352	2.746	Yes	0.077	0.508			
00857	789	788	8	166.36	0.087	0.006	0.006	Free Surfac	1.879	0.03	0.002	0.02	0.034	2.868	3.581	Yes	0.026	1.283			
00858	905	787	8	201.17	0.039	0.006	0.006	Free Surfac	1.419	0.036	0.002	0.024	0.034	1.968	2.388	Yes	0.076	0.257			
00859	795	794	8	262.72	0.06	0.057	0.057	Free Surfac	3.319	0.096	0.019	0.064	0.108	2.801	2.962	Yes	0.077	2.51			
00860	796	795	8	64.86	0.034	0.051	0.051	Free Surfac	2.647	0.104	0.023	0.07	0.102	2.143	2.243	No	0.07	2.647			
00861	797	796	8	128.99	0.071	0.045	0.045	Free Surfac	3.29	0.083	0.014	0.055	0.096	2.991	3.222	Yes	0.063	2.695			
00862	800	797	8	268.13	0.06	0.04	0.04	Free Surfac	2.99	0.081	0.013	0.054	0.09	2.754	2.977	Yes	0.056	2.804			
00863	803	802	8	152.31	0.016	0.006	0.006	Free Surfac	1.034	0.045	0.004	0.03	0.034	1.289	1.515	Yes	0.039	0.685			
00864	802	801	8	138.59	0.008	0.011	0.011	Free Surfac	1.027	0.071	0.01	0.048	0.048	1.009	1.108	Yes	0.049	0.982			
00865	798	800	8	287.45	0.027	0.011	0.011	Free Surfac	1.537	0.054	0.006	0.036	0.048	1.731	1.976	Yes	0.044	1.162			
00866	799	798	8	160.36	0.015	0.006	0.006	Free Surfac	1.011	0.045	0.004	0.03	0.034	1.251	1.467	Yes	0.034	0.842			
00867	801	2871	8	168.68	0.015	0.017	0.017	Free Surfac	1.41	0.076	0.012	0.051	0.059	1.342	1.463	No	0.051	1.41			
00868	881	882	8	124.02	0.016	0.006	0.006	Free Surfac	1.055	0.044	0.004	0.03	0.034	1.316	1.546	Yes	0.03	1.034			
00869	878	879	8	370.91	0.01	0.006	0.006	Free Surfac	0.876	0.05	0.005	0.034	0.034	1.026	1.184	Yes	0.041	0.658			
00871	883	886	8	181.70	0.075	0.006	0.006	Free Surfac	1.795	0.031	0.002	0.021	0.034	2.68	3.324	Yes	0.667	0.017			
00872	945	944	8	90.84	0.032	0.046	0.046	Free Surfac	2.515	0.101	0.021	0.067	0.097	2.071	2.177	Yes	0.085	1.795			
00873	1103	944	8	358.83	0.02	0.069	0.069	Free Surfac	2.383	0.138	0.041	0.092	0.119	1.669	1.694	Yes	0.097	2.207			
00874	1093	1094	8	263.51	0.028	0.006	0.006	Free Surfac	1.268	0.039	0.003	0.026	0.034	1.683	2.015	Yes	0.032	0.922			
00875	1094	1095	8	57.92	0.019	0.012	0.012	Free Surfac	1.371	0.059	0.007	0.04	0.048	1.477	1.665	Yes	0.047	1.055			
00876	1095	1096	8	328.75	0.014	0.017	0.017	Free Surfac	1.396	0.077	0.012	0.052	0.059	1.317	1.432	No	0.052	1.396			
00877	1099	1100	8	155.58	0.037	0.006	0.006	Free Surfac	1.401	0.037	0.002	0.025	0.034	1.925	2.328	Yes	0.031	0.998			
00878	1098	1097	8	157.63	0.011	0.006	0.006	Free Surfac	0.906	0.049	0.005	0.033	0.034	1.074	1.243	Yes	0.044	0.58			
00879	1096	1097	8	170.97	0.03	0.023	0.023	Free Surfac	1.98	0.074	0.011	0.049	0.068	1.908	2.086	Yes	0.053	1.803			
00880	1091	1090	8	161.53	0.037	0.012	0.012	Free Surfac	1.728	0.051	0.005	0.034	0.048	2.014	2.322	Yes	0.038	1.476			
00881	1086	945	8	166.33	0.024	0.041	0.041	Free Surfac	2.193	0.101	0.021	0.067	0.091	1.804	1.895	Yes	0.068	2.178			
00882	1087	1086	8	114.63	0.023	0.035	0.035	Free Surfac	2.049	0.095	0.019	0.064	0.084	1.736	1.838	Yes	0.064	2.016			
00883	1092	1091	8	305.8	0.03	0.006	0.006	Free Surfac	1.309	0.038	0.003	0.026	0.034	1.756	2.109	Yes	0.029	1.075			
00884	1090	1089	8	277.05	0.038	0.017	0.017	Free Surfac	1.975	0.061	0.007	0.041	0.059	2.099	2.357	Yes	0.047	1.578			
00885	1097	1127	8	212.29	0.039	0.035	0.035	Free Surfac	2.456	0.084	0.015	0.056	0.084	2.216	2.382	Yes	0.064	2.011			
00886	877	884	8	166.86	0.06	2.201	2.201	Free Surfac	9.283	0.643	0.744	0.428	0.638	2.686	2.957	Yes	0.433	9.182			
00887	1128	2962	8	317.46	0.018	0.133	0.133	Free Surfac	2.82	0.193	0.081	0.129	0.167	1.659	1.635	Yes	0.195	1.569			
00888	944	1128	8	270.36	0.042	0.122	0.122	Free Surfac	3.689	0.15	0.049	0.1	0.159	2.473	2.489	Yes	0.114	3.045			
00889	946	1128	8	336.44	0.001	0.006	0.006	Free Surfac	0.42	0.084	0.015	0.056	0.034	0.379	0.407	Yes	0.092	0.203			
00890	950	951	8	142.48	0.044	0.017	0.017	Free Surfac	2.086	0.059	0.007	0.039	0.059	2.258	2.549	No	0.039	2.086			
00891	949	950	8	266.99	0.026	0.012	0.012	Free Surfac	1.534	0.055	0.006	0.037	0.048	1.716	1.956	No	0.037	1.534			
00892	948	949	8	267.6	0.04	0.006	0.006	Free Surfac	1.439	0.036	0.002	0.024	0.034	1.994	2.418	Yes	0.031	0.975			
00893	1125	952	8	324.15	0.07	0.029	0.029	Free Surfac	2.858	0.067	0.009	0.045	0.077	2.893	3.206	Yes	0.065	1.637			
00894	951	1125	8	174.07	0.098	0.023	0.023	Free Surfac	2.998	0.056	0.006	0.037	0.068	3.329	3.784	Yes	0.042	2.489			
00895	866	706	8	404.61	0.011	0.428	0.428	Free Surfac	3.277	0.401	0.338	0.267	0.305	1.291	1.266	No	0.267	3.277			
00896	865	866	8	255.25	0.006	0.417	0.417	Free Surfac	2.622	0.466	0.442	0.31	0.301	0.944	0.944	No	0.31	2.622			
00897	874	865	8	192.49	0.001	0.198	0.198	Free Surfac	1.007	0.549	0.585	0.366	0.204	0.326	0.338	No	0.366	1.007			
00898	875	874	8	186.55	0.004	0.044	0.044	Free Surfac	1.165	0.165	0.059	0.11	0.095	0.744	0.742	Yes	0.238	0.392			
00899	876	3008	8	521.53	0.026	0.022	0.022	Free Surfac	1.864	0.075	0.011	0.05	0.067	1.79	1.956	Yes	0.069	1.145			
00900	1126	876	8	399.81	0.009	0.011	0.011	Free Surfac	1.054	0.069	0.009	0.046	0.047	1.057	1.168	Yes	0.05	0.933			
00902	855	856	8	494.47	0.019	0.011	0.011	Free Surfac	1.347	0.058	0.007	0.039	0.047	1.468	1.66	Yes	0.042	1.211			
00903	1131	851	8	455.88	0.02	0.022	0.022	Free Surfac	1.71	0.079	0.013	0.053	0.067	1.595	1.729	Yes	0.067	1.21			
00904	1132	1131	8	315.51	0.02	0.011	0.011	Free Surfac	1.376	0.057	0.006	0.038	0.047	1.511	1.712	Yes	0.045	1.069			
00905	851	850	8	371.24	0.007	0.033	0.033	Free Surfac	1.314	0.125	0.033	0.083	0.082	0.97	0.995	No	0.083	1.314			
00906	850	853	8	332.83	0.041	0.044	0.044	Free Surfac	2.682	0.093	0.018	0.062	0.095	2.299	2.44	Yes	0.102	1.302			
00907	816	817	8	138.57	0.009	0.01	0.01	Free Surfac	1.014	0.068	0.009	0.045	0.046	1.019	1.127	Yes	0.049	0.901			
00908	817	818	8	400.11	0.017	0.021	0.021	Free Surfac	1.586	0.081	0.013	0.054	0.065	1.464	1.584	Yes	0.061	1.33			
00909	818	812	8	398.26	0.02	0.031	0.031	Free Surfac	1.888	0.094	0.018	0.063	0.08	1.609	1.706	Yes	0.068	1.688			
00910	812	811	8	176.47	0.047	0.073	0.073	Free Surfac	3.288	0.115	0.028	0.077	0.123	2.53	2.619	Yes	0.085	2.828			
00911	811	707	8	136.31	0.042	0.094	0.094	Free Surfac	3.409	0.133	0.038	0.089	0.14	2.432	2.477	No	0.089	3.409			
00912	707	780	8	432.57	0.056	0.105	0.105	Free Surfac	3.909	0.13	0.036	0.087	0.147	2.819	2.878	Yes	0.094	3.51			
00913	815	814	8	240.31	0.018	0.01	0.01	Free Surfac	1.31	0.057	0.006	0.038	0.046	1.437	1.628	Yes	0.05	0.884			
00914	814	813	8	266.07	0.009	0.021	0.021	Free Surfac	1.256	0.094	0.018	0.063	0.065	1.07	1.134	No	0.063	1.256			
00915	813	812	8	254.89	0.022	0.031	0.031	Free Surfac	1.965	0.092	0.017	0.061	0.08	1.698	1.806	Yes	0.067	1.719			
00916	947	952	8	303.77	0.035	0.052	0.052	Free Surfac	2.669	0.105	0.023	0.07	0.103	2.155	2.255	Yes	0.078	2.273			

00917	633	1118	8	400.70	0.048	3.32	3.32	Pressurized	9.51	1	1.257	0.667	0.652	2.053	2.641	Yes	0.667	9.51	7.36	8	2
00918	662	1134	12	274.82	0.039	6.097	6.097	Free Surfac	10.138	0.716	0.861	0.716	0.958	2.188	7.078	No	0.716	10.138	12.46	15	1
00919	1134	1613	12	293.06	0.046	6.101	6.101	Free Surfac	10.805	0.676	0.798	0.676	0.958	2.452	7.641	Yes	0.696	10.456	12.08	15	1
00920	1127	1101	8	92.84	0.016	0.041	0.041	Free Surfac	1.874	0.113	0.027	0.075	0.091	1.458	1.513	No	0.075	1.874			
00921	1101	1102	8	176.45	0.044	0.058	0.058	Free Surfac	2.998	0.104	0.023	0.069	0.109	2.427	2.541	Yes	0.075	2.695			
00922	1100	1101	8	223.14	0.035	0.012	0.012	Free Surfac	1.703	0.051	0.005	0.034	0.048	1.975	2.274	Yes	0.051	0.955			
00923	1102	1103	8	137.1	0.035	0.064	0.064	Free Surfac	2.846	0.115	0.028	0.077	0.114	2.188	2.264	Yes	0.083	2.548			
00924	1089	1088	8	44.24	0.025	0.023	0.023	Free Surfac	1.869	0.077	0.012	0.051	0.068	1.765	1.92	Yes	0.054	1.728			
00925	1088	1087	8	70.22	0.027	0.029	0.029	Free Surfac	2.047	0.084	0.015	0.056	0.077	1.846	1.985	Yes	0.058	1.977			
00926	1706	888	8	202.5	0.072	0.029	0.029	Free Surfac	2.893	0.067	0.009	0.044	0.077	2.941	3.262	Yes	0.667	0.083			
00927	2957	1706	8	179.34	0.034	0.023	0.023	Free Surfac	2.079	0.072	0.01	0.048	0.068	2.036	2.237	No	0.048	2.079			
00928	906	892	12	347.49	0.002	1.319	1.319	Pressurized	2.21	0.711	0.854	0.711	0.485	0.48	1.545	Yes	1	1.68	9.44	10	2
00929	907	906	12	378.66	0.004	1.316	1.316	Free Surfac	3.069	0.536	0.562	0.536	0.485	0.825	2.343	Yes	0.861	1.829			
00930	923	907	12	268.75	0.006	1.216	1.216	Free Surfac	3.403	0.465	0.441	0.465	0.465	1.002	2.76	Yes	0.502	3.079			
00931	922	923	12	399.70	0.044	1.212	1.212	Free Surfac	7.024	0.272	0.161	0.272	0.464	2.81	7.511	Yes	0.369	4.607			
00932	935	922	12	389.44	0.033	1.209	1.209	Free Surfac	6.328	0.292	0.186	0.292	0.464	2.433	6.498	No	0.292	6.328			
00933	936	935	12	241.45	0.015	1.205	1.205	Free Surfac	4.789	0.357	0.273	0.357	0.463	1.647	4.418	No	0.357	4.789			
00934	937	936	12	399.74	0.012	1.201	1.201	Free Surfac	4.341	0.383	0.311	0.383	0.462	1.434	3.862	No	0.383	4.341			
00935	360	937	12	123.6	0.007	1.197	1.197	Free Surfac	3.539	0.445	0.409	0.445	0.461	1.069	2.926	No	0.445	3.539			
00936	361	360	12	276.14	0.003	1.178	1.178	Free Surfac	2.606	0.56	0.602	0.56	0.457	0.68	1.956	No	0.56	2.606			
00937	941	361	12	402.26	0.003	1.174	1.174	Free Surfac	2.604	0.558	0.6	0.558	0.457	0.681	1.957	Yes	0.559	2.601			
00938	942	941	12	133.82	0.007	1.17	1.17	Free Surfac	3.49	0.443	0.404	0.443	0.456	1.058	2.894	Yes	0.5	2.983			
00939	943	942	12	112.63	0.008	1.167	1.167	Free Surfac	3.714	0.421	0.37	0.421	0.455	1.16	3.154	Yes	0.431	3.604			
00940	728	943	12	241.57	0.008	1.153	1.153	Free Surfac	3.774	0.412	0.356	0.412	0.452	1.194	3.238	Yes	0.419	3.697			
00941	821	943	8	92.26	0.036	0.01	0.01	Free Surfac	1.64	0.048	0.004	0.032	0.045	1.974	2.296	Yes	0.229	0.094			
00942	924	934	8	136.31	0.015	0.004	0.004	Free Surfac	0.898	0.037	0.003	0.025	0.028	1.222	1.473	Yes	0.049	0.333			
00943	933	934	8	227.66	0.039	0.034	0.034	Free Surfac	2.445	0.084	0.014	0.056	0.084	2.21	2.377	Yes	0.064	1.995			
00944	925	933	8	190.25	0.013	0.004	0.004	Free Surfac	0.866	0.038	0.003	0.026	0.028	1.164	1.398	Yes	0.043	0.401			
00945	932	933	8	292.09	0.026	0.027	0.027	Free Surfac	1.978	0.082	0.014	0.055	0.074	1.812	1.956	Yes	0.058	1.829			
00946	926	932	8	188.03	0.007	0.004	0.004	Free Surfac	0.702	0.044	0.004	0.03	0.028	0.878	1.033	Yes	0.04	0.443			
00947	931	932	8	271.02	0.021	0.019	0.019	Free Surfac	1.665	0.073	0.011	0.049	0.062	1.615	1.769	Yes	0.05	1.613			
00948	930	931	8	273.81	0.018	0.011	0.011	Free Surfac	1.352	0.06	0.007	0.04	0.048	1.454	1.639	Yes	0.043	1.195			
00949	927	931	8	185.12	0.026	0.004	0.004	Free Surfac	1.099	0.033	0.002	0.022	0.028	1.601	1.971	Yes	0.034	0.562			
00950	928	930	8	150	0.016	0.004	0.004	Free Surfac	0.916	0.037	0.003	0.025	0.028	1.255	1.516	Yes	0.032	0.635			
00951	929	930	8	379.98	0.022	0.004	0.004	Free Surfac	1.032	0.034	0.002	0.023	0.028	1.471	1.799	Yes	0.031	0.664			
00952	919	918	8	168.35	0.006	0.004	0.004	Free Surfac	0.665	0.046	0.004	0.031	0.028	0.817	0.956	No	0.031	0.665			
00953	918	917	8	226.68	0.019	0.008	0.008	Free Surfac	1.203	0.049	0.005	0.033	0.039	1.428	1.655	Yes	0.039	0.939			
00954	920	917	8	160.92	0.006	0.004	0.004	Free Surfac	0.646	0.047	0.004	0.031	0.028	0.785	0.916	Yes	0.038	0.483			
00955	917	916	8	159.58	0.019	0.015	0.015	Free Surfac	1.483	0.068	0.009	0.045	0.056	1.493	1.651	Yes	0.046	1.431			
00956	916	914	8	250.55	0.033	0.019	0.019	Free Surfac	1.935	0.066	0.009	0.044	0.062	1.975	2.194	Yes	0.05	1.583			
00957	921	913	8	118.18	0.007	0.004	0.004	Free Surfac	0.705	0.044	0.004	0.029	0.028	0.883	1.039	Yes	0.042	0.414			
00958	914	913	8	99.9	0.029	0.027	0.027	Free Surfac	2.063	0.079	0.013	0.053	0.074	1.918	2.078	Yes	0.054	2.012			
00959	915	914	8	272.64	0.004	0.004	0.004	Free Surfac	0.58	0.05	0.005	0.034	0.028	0.68	0.785	Yes	0.045	0.373			
00960	913	910	8	94.8	0.04	0.034	0.034	Free Surfac	2.485	0.083	0.014	0.055	0.084	2.258	2.432	Yes	0.084	1.341			
00961	912	911	8	360.34	0.006	0.004	0.004	Free Surfac	0.673	0.046	0.004	0.03	0.028	0.831	0.973	Yes	0.041	0.437			
00962	911	910	8	149.76	0.004	0.008	0.008	Free Surfac	0.697	0.071	0.01	0.047	0.039	0.686	0.755	Yes	0.08	0.32			
00963	908	909	8	144.14	0.005	0.004	0.004	Free Surfac	0.622	0.048	0.004	0.032	0.028	0.748	0.869	Yes	0.038	0.486			
00964	909	910	8	131.66	0.006	0.008	0.008	Free Surfac	0.825	0.063	0.008	0.042	0.039	0.862	0.963	Yes	0.078	0.336			
00965	910	907	8	255.43	0.005	0.053	0.053	Free Surfac	1.38	0.168	0.062	0.112	0.105	0.872	0.869	Yes	0.326	0.315			
00966	893	892	8	62.94	0.008	0.46	0.46	Free Surfac	2.926	0.461	0.435	0.307	0.317	1.06	1.058	Yes	0.334	2.628			
00967	894	893	8	191.60	0.005	0.455	0.455	Free Surfac	2.474	0.521	0.537	0.348	0.315	0.829	0.849	No	0.348	2.474			
00968	895	894	8	342.87	0.016	0.451	0.451	Free Surfac	3.816	0.372	0.294	0.248	0.314	1.571	1.532	Yes	0.299	2.965			
00969	896	895	8	273.45	0.039	0.288	0.288	Free Surfac	4.64	0.234	0.12	0.156	0.248	2.467	2.404	Yes	0.204	3.188			
00970	1007	895	8	77.31	0.053	0.158	0.158	Free Surfac	4.311	0.162	0.057	0.108	0.182	2.779	2.778	Yes	0.18	2.086			
00971	1008	1007	8	326.24	0.029	0.153	0.153	Free Surfac	3.455	0.185	0.075	0.123	0.179	2.079	2.055	No	0.123	3.455			
00972	1006	1008	8	258.62	0.04	0.005	0.005	Free Surfac	1.364	0.033	0.002	0.022	0.031	1.978	2.432	Yes	0.074	0.226			
00973	1004	1005	8	270.31	0.031	0.005	0.005	Free Surfac	1.246	0.035	0.002	0.023	0.031	1.753	2.136	Yes	0.069	0.251			
00974	1005	1008	8	316.73	0.033	0.144	0.144	Free Surfac	3.56	0.173	0.065	0.115	0.173	2.217	2.203	Yes	0.121	3.334			
00975	1009	1005	8	284.99	0.032	0.134	0.134	Free Surfac	3.455	0.169	0.062	0.112	0.167	2.182	2.173	Yes	0.113	3.405			
00976	1003	1009	8	277.71	0.029	0.005	0.005	Free Surfac	1.219	0.036	0.002	0.024	0.031	1.702	2.068	Yes	0.069	0.252			
00977	1010	1009	8	195.17	0.024	0.125	0.125	Free Surfac	3.061	0.174	0.066	0.116	0.161	1.901	1.888	No	0.116	3.061			
00978	1011	1010	8	103.97	0.081	0.105	0.105	Free Surfac	4.449	0.12	0.031	0.08	0.148	3.351	3.452	Yes	0.099	3.262			
00979	1012	1010	8	97.69	0.023	0.014	0.014	Free Surfac	1.568	0.063	0.008	0.042	0.054	1.641	1.835	Yes	0.08	0.607			
00980	1013	1012	8	363.22	0.005	0.01	0.01	Free Surfac	0.84	0.073	0.011	0.049	0.044	0.815	0.894	No	0.049	0.84			
00981	731	955	8	399.53	0.004	0.373	0.373	Free Surfac	2.136	0.501	0.501	0.334	0.284	0.735	0.745	No	0.334	2.136			
00982	1031	1029	8	104.46	0.009	0.005	0.005	Free Surfac	0.806	0.047	0.004	0.031	0.031	0.978	1.141	Yes	0.035	0.671			
00983	1029	1030	8	130.22	0.009	0.01	0.01	Free Surfac	1	0.065	0.008	0.043	0.044	1.031	1.148	No	0.043	1			
00984	1030	1025	8	225.32	0.11	0.014	0.014	Free Surfac	2.702	0.044	0.004	0.029	0.054	3.406	4.015	Yes	0.035	2.04			
00985	1035	1036	8	187.97	0.031	0.005	0.005	Free Surfac	1.246	0.035	0.002	0.023	0.031	1.753	2.135	Yes	0.024	1.19			
00986	1034	1032	8	204.29	0.009	0.005	0.005	Free Surfac	0.811	0.047	0.004	0.031	0.031	0.987	1.151	Yes	0.04	0.561			
00987	1032	1033	8	145.84	0.008	0.01	0.01	Free Surfac	0.943	0.067	0.009	0.045	0.044	0.954	1.056	Yes	0.05	0.797			
00988	1033	1040	8	209.23	0.006	0.014	0.014	Free Surfac	0.979	0.087	0.015	0.058	0.054	0.872	0.934	Yes	0.063	0.862			
00989	901	900	8	244.82	0.078	0.115	0.115	Free Surfac	4.496	0.126	0.034	0.084	0.155	3.297	3.377	Yes	0.095	3.799			
00990	900	899	8	268.88	0.038	0.12	0.12	Free Surfac	3.54	0.153	0.051	0.102	0.158	2.349	2.36	Yes	0.108	3.265			
00991	899	898	8	322.31	0.045	0.158	0.158	Free Surfac	4.066	0.169	0.062	0.112	0.182	2.567	2.556	Yes	0.127	3.397			
00992	898	897	8	150.44	0.022	0.192	0.192	Free Surfac	3.347	0.221	0.107	0.147	0.201	1.833	1.791	No	0.147	3.347			
00993	897	896	8	335.71	0.039	0.197	0.197	Free Surfac	4.143	0.194	0.082	0.129	0.204	2.433	2.397	Yes	0.142	3.6			
00994	751	1108	8	136.54	0.008	0.077	0.077	Free Surfac	1.792	0.18	0.071	0.12	0.126	1.093	1.083	Yes	0.131	1.585			
00995	1108	896	8	138.74	0.005	0.086	0.086	Free Surfac	1.594	0.212	0.099	0.142	0.134	0.891	0.873	Yes	0.149	1.487			
00996	750	1108	8	206.23	0.04	0.005	0.005	Free Surfac	1.359	0.033	0.002	0.022	0.031	1.969	2.42	Yes	0.082	0.196			
00997	752	751	8	288.69	0.061	0.072	0.072	Free Surfac	3.581	0.107	0.024	0.071	0.122	2.859	2.984	Yes	0.098	2.256			
00998	761	752	8	198.59	0.064	0.038	0.038	Free Surfac	3.013	0.079	0.013	0.052	0.088	2.818	3.058	Yes	0.064	2.248			
00999	753	752	8	295.66	0.03	0.029	0.029	Free Surfac	2.125	0.082	0.014	0.055	0.076	1.946	2.1	Yes	0.065	1.644			
01000	777	761	8	192.92	0.044	0.034	0.034	Free Surfac	2.551	0.08	0.013	0.054	0.083	2.359	2.553	No	0.054	2.551			
01001	776	777	8	290.11	0.069	0.029	0.029	Free Surfac	2.835	0.067	0.009	0.045	0.076	2.867	3.176	Yes	0.048	2.594			
01002	754	753	8	101.45	0.03	0.024	0.024	Free Surfac	2.008	0.075	0.011	0.05	0.07	1.921	2.097	Yes	0.051	1.932			
01003	755	754	8	401.2	0.049	0.019	0.019	Free Surfac	2.234	0.06	0.007	0.04	0.062	2.393	2.693	Yes	0.043	2.021			
01004	756	755	8	158.32	0.057	0.014	0.014	Free Surfac	2.151	0.051	0.005	0.034	0.054	2.509	2.892	Yes	0.037	1.87			
01005	759	760	8	139.34	0.033	0.005	0.005	Free Surfac	1.272	0.035	0.002	0.023	0.031	1.803	2.201	Yes	0.024	1.229			
01006	758	757	8	137.67	0.059	0.005	0.005	Free Surfac	1.557	0.03	0.002	0.02	0.031	2.362	2.944	Yes	0.023	1.29			
01007	757	756	8	159	0.086	0.01	0.01	Free Surfac	2.196	0.038	0.003	0.025	0.044	2.96	3.56	Yes	0.028	1.903			
01008	775	776	8	202.48	0.067	0.024	0.024	Free Surfac	2.661	0.062	0.008	0.041	0.07	2.803	3.14	Yes	0.045	2.387			
01009	760	775	8	99.04	0.071	0.01	0.01	Free Surfac	2.053	0.04	0.003	0.027	0.044	2.705	3.231	Yes	0.036	1.336			
01010	762	763	8	399.41	0.109	0.005	0.005	Free Surfac	1.926	0.026	0.001	0.017	0.031	3.139	3.999	Yes	0.025	1.121			
01011	763	775	8	116.59	0.042	0.01	0.01	Free Surfac	1.707	0.045	0.004	0.03	0.044	2.112	2.477	Yes	0.037	1.243			
01012	781	782	8	230.57	0.105	0.006	0.006	Free Surfac	2.005	0.029	0.001	0.019	0.034	3.126	3.93	Yes	0.022	1.595			
01013	782	783	8	128	0.092	0.011	0.011	Free Surfac	2.364	0.041	0.003	0.027	0.048	3.084	3.672	Yes	0.034	1.706			
01014	784	785	8	231.92	0.049	0.028	0.028	Free Surfac	2.515	0.072	0.011	0.048	0.076	2.451	2.689	Yes	0.059	1.853			
01015	783	784	8	154.28	0.064	0.023	0.023	Free Surfac	2.577	0.061	0.007	0.041	0.068	2.734	3.068	Yes	0.046	2.167			
01017	1667	783	8	174.06	0.035	0.006	0.006	Free Surfac	1.365	0.037	0.003	0.025	0.034	1.869	2.259	Yes	0.033	0.902			
01018	745	744	8	106.67	0.05	0.005	0.005	Free Surfac	1.471	0.031	0.002	0.021	0.031	2.19	2.713	Yes	0.025	1.146			
01019	744	743	8	109.23	0.048	0.01	0.01	Free Surfac	1.796	0.044	0.004	0.029	0.044	2.261	2.665	Yes	0.035	1.345			
01020	743	748	8	181.79	0.039	0.014	0.014	Free Surfac	1.886	0.056	0.006	0.037	0.054	2.103	2.394	Yes	0.038	1.813			
01021	774	736	8	397.16	0.058	0.005	0.005	Free Surfac	1.543	0.03	0.002	0.02	0.031	2.334	2.906	Yes	0.024	1.187			
01022	736	733	8	161.99	0.073	0.014	0.014	Free Surfac	2.349	0.048	0.004	0.032	0.054	2.822	3.282	Yes	0.049	1.263			
01023	733	1043	8	207.51	0.017	0.029	0.029	Free Surfac	1.759	0.093	0.018	0.062	0.076	1.509	1.602	Yes	0.074	1.347			
01024	1043	1042	8	354.11	0.005	0.034	0.034	Free Surfac	1.217	0.133	0.038	0.089	0.083	0.869	0.885	Yes	0.097	1.062			
01025	1042	1041	8	317.7	0.003	0.038	0.038	Free Surfac	1.053	0.161	0.056	0.107	0.088	0.68	0.68	Yes	0.121	0.882			
01026	1041	1040	8	178.37	0.002	0.043	0.043	Free Surfac	0.866	0.2	0.088	0.134	0.094	0.5	0.491	No	0.134	0.866			
01027	735	734	8	206.85	0.009	0.005	0.005	Free Surfac	0.823	0.046	0.004	0.031	0.031	1.006	1.176	Yes	0.034	0.727			
01028	734	733	8	397.92	0.016	0.01	0.01	Free Surfac	1.215	0.057	0.006	0.038	0.044	1.339	1.519	Yes	0.052	0.771			
01029	773	736	8	392.91	0.034	0.005	0.005	Free Surfac	1.291	0.034	0.002	0.023	0.031	1.838	2.247	Yes	0.025	1.099			
01030	957	958	8	296.25	0.011	0.004	0.004	Free Surfac	0.825	0.04	0.003	0.027	0.028	1.082	1.29	Yes	0.147	0.069			
01031	960	959	8	256.64	0.045	0.004	0.004	Free Surfac	1.337	0.029	0.002	0.019	0.028	2.062	2.584	Yes	0.142	0.072			
01032	961	962	8	228.37	0.054	0.004	0.004	Free Surfac	1.42	0.028	0.001	0.019	0.028	2.236	2.818	Yes	0.15	0.066			
01033	958	959	8	274.4	0.014	0.491	0.491	Free Surfac	3.749	0.401	0.339	0.268	0.328	1.476	1.448	No	0.268	3.749			
01034	959	962	8	271.41	0.016	0.499	0.499	Free Surfac	3.891	0.395	0.329	0.263	0.331	1.546	1.515	Yes	0.273	3.715			
01035	962	968	8	243.74	0.013	0.507	0.507	Free Surfac	3.674	0.417	0.364	0.278	0.333	1.414	1.393	No	0.278	3.674			
01036	956	958	8	178.01	0.015	0.483	0.483	Free Surfac	3.783	0.394	0.327	0.263	0.325	1.506	1.475	Yes	0.265	3.745			
01037	967	968	8	170.37	0.028	0.043	0.043	Free Surfac	2.342	0.101	0.021	0.067	0.094	1.929	2.028	Yes	0.14	0.805			
01038	963	967	8	146.48	0.006	0.039	0.039	Free Surfac	1.301	0.141	0.043	0.094	0.089	0.901	0.912	No	0.094	1.301			
01039	1055	1054	8	196.85	0.01	0.006	0.006	Free Surfac	0.921	0.052	0.005	0.035	0.036	1.063	1.222	Yes	0.039	0.773			
01040	1681	1680	8	205.66	0.007	0.003	0.003	Free Surfac	0.648	0.041	0.003	0.027	0.025	0.841	1	Yes	0.032	0.505			
01041	1680	1679	8	91.62	0.007	0.006	0.006	Free Surfac	0.817	0.056	0.006	0.037	0.036	0.905	1.028	Yes	0.041	0.712			
01042	1054	1053	8	132.79	0.011	0.01	0.01	Free Surfac	1.083	0.061	0.007	0.041	0.044	1.151	1.292	Yes	0.044	0.972			
01043	1053	1052	8	119.75	0.012	0.013	0.013	Free Surfac	1.201	0.069	0.01	0.046	0.051	1.199	1.323	Yes	0.048	1.121			
01044	1052	1051	8	95.19	0.011	0.016	0.016	Free Surfac	1.236	0.079	0.013	0.053	0.057	1.153	1.25	Yes	0.055	1.147			

01045	1051	1050	8	276.51	0.013	0.019	0.019	Free Surfac	1.393	0.082	0.014	0.055	0.062	1.272	1.371	Yes	0.062	1.169			
01046	1050	1049	8	98.69	0.008	0.022	0.022	Free Surfac	1.249	0.099	0.02	0.066	0.067	1.04	1.097	Yes	0.138	0.427			
01047	729	1049	8	306.82	0.024	0.362	0.362	Free Surfac	4.153	0.298	0.193	0.199	0.28	1.935	1.875	Yes	0.204	3.998			
01048	1049	970	8	231.33	0.022	0.388	0.388	Free Surfac	4.099	0.316	0.216	0.211	0.29	1.849	1.793	Yes	0.212	4.067			
01049	979	971	8	325.84	0.028	0.006	0.006	Free Surfac	1.307	0.041	0.003	0.027	0.036	1.7	2.023	Yes	0.141	0.117			
01050	978	979	8	404.26	0.023	0.003	0.003	Free Surfac	0.993	0.031	0.002	0.021	0.025	1.488	1.848	Yes	0.024	0.794			
01051	977	976	8	335.01	0.011	0.003	0.003	Free Surfac	0.768	0.037	0.002	0.024	0.025	1.056	1.277	Yes	0.087	0.117			
01052	972	980	8	403.65	0.005	0.108	0.108	Free Surfac	1.703	0.237	0.123	0.158	0.15	0.898	0.875	No	0.158	1.703			
01053	1882	954	8	139.06	0.001	0.059	0.059	Free Surfac	0.786	0.267	0.156	0.178	0.11	0.389	0.378	No	0.178	0.786			
01054	1135	360	8	144.52	0.03	0.015	0.015	Free Surfac	1.757	0.061	0.007	0.04	0.056	1.874	2.106	Yes	0.243	0.133			
01055	1136	601	8	206.07	0.044	0.011	0.011	Free Surfac	1.815	0.048	0.004	0.032	0.047	2.186	2.543	Yes	0.081	0.458			
01056	600	599	8	205.75	0.012	0.144	0.144	Free Surfac	2.494	0.222	0.108	0.148	0.173	1.363	1.332	No	0.148	2.494			
01057	725	599	8	259	0.021	0.011	0.011	Free Surfac	1.401	0.057	0.006	0.038	0.047	1.544	1.752	Yes	0.07	0.562			
01058	557	1137	8	150.6	0.053	0.208	0.208	Free Surfac	4.68	0.185	0.075	0.123	0.21	2.816	2.784	Yes	0.142	3.829			
01059	1138	354	8	135.84	0.045	0.249	0.249	Free Surfac	4.668	0.21	0.097	0.14	0.23	2.624	2.571	Yes	0.667	0.714			
01060	976	975	8	175.20	0.005	0.095	0.095	Free Surfac	1.646	0.222	0.108	0.148	0.14	0.899	0.878	No	0.148	1.646			
01061	1172	1171	8	12.68	0.011	0.009	0.009	Pressurized	1.051	0.058	0.007	0.039	0.042	1.143	1.292	Yes	0.667	0.025			
01062	1606	1281	8	66.78	0.015	0.175	0.175	Free Surfac	2.852	0.232	0.118	0.155	0.192	1.521	1.482	No	0.155	2.852			
01063	1176	1606	8	128.33	0.006	0.173	0.173	Free Surfac	2.058	0.29	0.183	0.193	0.19	0.974	0.944	No	0.193	2.058			
01064	1180	1176	8	249.81	0.008	0.044	0.044	Free Surfac	1.538	0.137	0.04	0.092	0.095	1.08	1.097	Yes	0.141	0.822			
01065	1179	1180	8	242.57	0.021	0.029	0.029	Free Surfac	1.864	0.09	0.017	0.06	0.077	1.629	1.737	Yes	0.073	1.385			
01066	1280	1180	8	319.1	0.011	0.013	0.013	Free Surfac	1.161	0.071	0.01	0.047	0.05	1.146	1.261	Yes	0.067	0.693			
01067	1282	1176	8	399.17	0.005	0.125	0.125	Free Surfac	1.705	0.263	0.152	0.176	0.162	0.85	0.824	Yes	0.183	1.604			
01068	1279	1280	8	318.01	0	0.01	0.01	Pressurized	0.36	0.132	0.037	0.088	0.044	0.258	0.263	Yes	0.667	0.028			
01069	1283	1282	8	402.1	0.006	0.122	0.122	Free Surfac	1.828	0.247	0.133	0.164	0.16	0.944	0.918	Yes	0.169	1.76			
01070	1284	1283	8	157.79	0.012	0.119	0.119	Free Surfac	2.34	0.204	0.091	0.136	0.158	1.337	1.313	Yes	0.152	1.992			
01071	1285	1284	8	132.78	0.006	0.114	0.114	Free Surfac	1.868	0.231	0.117	0.154	0.154	1	0.975	No	0.154	1.868			
01072	1286	1285	8	116.73	0.006	0.111	0.111	Free Surfac	1.795	0.233	0.119	0.155	0.152	0.956	0.932	No	0.155	1.795			
01073	1287	1286	8	246.14	0.016	0.027	0.027	Free Surfac	1.673	0.093	0.018	0.062	0.075	1.433	1.521	Yes	0.109	0.741			
01074	1288	1284	8	211.82	0.007	0.003	0.003	Free Surfac	0.648	0.039	0.003	0.026	0.024	0.869	1.043	Yes	0.08	0.12			
01075	1294	1286	8	257.85	0.006	0.081	0.081	Free Surfac	1.608	0.201	0.089	0.134	0.129	0.926	0.91	Yes	0.146	1.419			
01076	1295	2886	8	20.65	0.119	0.072	0.072	Free Surfac	4.532	0.091	0.017	0.061	0.122	3.929	4.182	Yes	0.07	3.683			
01077	1293	1287	8	184.91	0.059	0.025	0.025	Free Surfac	2.559	0.065	0.008	0.043	0.071	2.637	2.936	Yes	0.053	1.91			
01078	1292	1293	8	159.19	0.09	0.017	0.017	Free Surfac	2.663	0.05	0.005	0.033	0.059	3.139	3.629	Yes	0.038	2.171			
01079	1297	1298	8	57.17	0.048	0.06	0.06	Free Surfac	3.125	0.104	0.023	0.07	0.111	2.529	2.648	Yes	0.079	2.57			
01080	1296	1297	8	74.93	0.002	0.058	0.058	Free Surfac	0.948	0.23	0.116	0.153	0.109	0.508	0.496	No	0.153	0.948			
01081	1304	1296	8	228.12	0.087	0.009	0.009	Free Surfac	2.189	0.038	0.003	0.025	0.043	2.97	3.579	Yes	0.091	0.327			
01082	1303	1304	8	327.38	0.078	0.006	0.006	Free Surfac	1.816	0.031	0.002	0.021	0.034	2.729	3.392	Yes	0.022	1.586			
01083	1302	1303	8	168.39	0.067	0.003	0.003	Free Surfac	1.393	0.023	0.001	0.015	0.024	2.418	3.141	Yes	0.017	1.155			
01084	1305	1304	8	314.48	0.004	0.001	0.001	Free Surfac	0.333	0.024	0.001	0.016	0.012	0.563	0.726	Yes	0.02	0.238			
01085	1305	1306	8	131.37	0.03	0.002	0.002	Free Surfac	0.956	0.024	0.001	0.016	0.021	1.616	2.082	Yes	0.024	0.523			
01086	1306	1307	8	411.74	0.008	0.005	0.005	Free Surfac	0.802	0.049	0.005	0.032	0.032	0.957	1.111	No	0.032	0.802			
01087	1307	1313	8	158	0.051	0.011	0.011	Free Surfac	1.9	0.045	0.004	0.03	0.047	2.344	2.747	Yes	0.054	0.816			
01088	1308	1307	8	191.77	0.06	0.003	0.003	Free Surfac	1.338	0.024	0.001	0.016	0.024	2.29	2.963	Yes	0.024	0.707			
01089	1315	1725	8	249.94	0.001	0.04	0.04	Free Surfac	0.563	0.255	0.143	0.17	0.09	0.285	0.277	No	0.17	0.563			
01090	1725	2943	8	253.58	0.006	0.042	0.042	Free Surfac	1.387	0.143	0.044	0.095	0.093	0.954	0.965	Yes	0.099	1.311			
01091	1317	1316	8	399.47	0.001	0.009	0.009	Free Surfac	0.502	0.096	0.019	0.064	0.042	0.424	0.448	Yes	0.072	0.425			
01092	1318	1317	8	400.83	0.002	0.006	0.006	Free Surfac	0.468	0.077	0.012	0.051	0.034	0.444	0.483	Yes	0.056	0.406			
01093	1311	1318	8	121.72	0.085	0.003	0.003	Free Surfac	1.514	0.022	0.001	0.015	0.024	2.701	3.541	Yes	0.667	0.008			
01094	1312	1314	8	400.97	0.004	0.009	0.009	Free Surfac	0.755	0.073	0.011	0.049	0.042	0.733	0.804	Yes	0.055	0.626			
01095	1310	1312	8	138.94	0.007	0.006	0.006	Free Surfac	0.796	0.054	0.006	0.036	0.034	0.904	1.035	Yes	0.044	0.59			
01096	1309	1310	8	327.47	0.068	0.003	0.003	Free Surfac	1.396	0.023	0.001	0.015	0.024	2.424	3.15	Yes	0.028	0.579			
01100	1726	1295	8	370.47	0.019	0.069	0.069	Free Surfac	2.369	0.138	0.041	0.092	0.119	1.659	1.683	No	0.092	2.369			
01101	1724	1726	8	328.83	0.018	0.066	0.066	Free Surfac	2.263	0.138	0.041	0.092	0.117	1.583	1.606	No	0.092	2.263			
01102	1298	1724	8	96.23	0.018	0.063	0.063	Free Surfac	2.268	0.134	0.039	0.089	0.114	1.613	1.642	No	0.089	2.268			
01104	1272	1278	8	172.66	0.014	0.001	0.001	Free Surfac	0.606	0.022	0.001	0.015	0.015	1.081	1.416	Yes	0.02	0.369			
01105	1275	1293	8	384.63	0.013	0.004	0.004	Free Surfac	0.909	0.041	0.003	0.028	0.03	1.178	1.401	Yes	0.035	0.625			
01106	1178	1179	8	400.17	0.027	0.013	0.013	Free Surfac	1.601	0.057	0.006	0.038	0.051	1.757	1.99	Yes	0.047	1.176			
01107	1177	1178	8	132.52	0.02	0.01	0.01	Free Surfac	1.335	0.055	0.006	0.036	0.045	1.502	1.714	Yes	0.038	1.259			
01108	1276	1275	8	129.07	0.02	0.002	0.002	Free Surfac	0.761	0.023	0.001	0.015	0.018	1.317	1.71	Yes	0.021	0.466			
01110	1519	1485	8	91.95	0.004	0.124	0.124	Free Surfac	1.545	0.28	0.171	0.187	0.16	0.745	0.722	No	0.187	1.545			
01111	1511	1518	8	102.43	0.008	0.113	0.113	Free Surfac	2.022	0.217	0.104	0.145	0.153	1.117	1.092	No	0.145	2.022			
01112	1899	826	8	126.04	0.029	1.086	1.086	Free Surfac	5.981	0.516	0.527	0.344	0.494	2.019	2.06	Yes	0.377	5.331			
01113	1530	1529	8	296.88	0.048	0.005	0.005	Free Surfac	1.478	0.033	0.002	0.022	0.032	2.149	2.645	Yes	0.026	1.123			
01114	1301	1300	8	309.13	0.072	0.003	0.003	Free Surfac	1.423	0.023	0.001	0.015	0.024	2.488	3.241	Yes	0.02	0.935			
01115	1300	1299	8	208.91	0.036	0.006	0.006	Free Surfac	1.381	0.037	0.003	0.025	0.034	1.891	2.285	No	0.025	1.381			
01116	1254	1255	8	395.82	0.005	0.004	0.004	Free Surfac	0.651	0.049	0.005	0.033	0.029	0.774	0.898	Yes	0.049	0.36			
01117	1547	1548	10	21.4	0.004	0.077	0.077	Pressurized	1.359	0.161	0.056	0.134	0.119	0.787	1.375	Yes	0.833	0.141			
01118	1548	1212	10	178.96	0.005	0.079	0.079	Pressurized	1.471	0.155	0.052	0.129	0.12	0.869	1.523	Yes	0.833	0.145			
01119	1545	1547	8	125.33	0.002	0.045	0.045	Pressurized	0.886	0.203	0.091	0.136	0.096	0.507	0.498	Yes	0.667	0.129			
01120	1543	1545	8	248.99	0.006	0.043	0.043	Pressurized	1.325	0.149	0.048	0.099	0.094	0.892	0.899	Yes	0.667	0.123			
01121	1618	1919	8	329.41	0.013	0.986	0.986	Free Surfac	4.298	0.625	0.714	0.416	0.471	1.271	1.381	Yes	0.453	3.902			
01122	1919	1920	8	324.21	0.008	0.991	0.991	Free Surfac	3.606	0.735	0.89	0.49	0.472	0.93	1.114	Yes	0.513	3.436	6.54	8	2
01123	1265	1543	8	123.2	0.002	0.041	0.041	Pressurized	0.979	0.177	0.069	0.118	0.091	0.602	0.597	Yes	0.667	0.117			
01124	1212	1550	10	194.13	0.006	0.083	0.083	Pressurized	1.573	0.153	0.051	0.128	0.123	0.934	1.64	Yes	0.833	0.152			
01125	1550	1213	10	83.3	0.004	0.085	0.085	Pressurized	1.431	0.166	0.06	0.139	0.125	0.814	1.418	Yes	0.833	0.156			
01126	1213	1214	10	310.48	0.004	0.087	0.087	Pressurized	1.362	0.175	0.067	0.146	0.126	0.755	1.309	Yes	0.833	0.16			
01127	1214	1577	10	218.65	0.005	0.089	0.089	Pressurized	1.494	0.167	0.06	0.139	0.128	0.849	1.479	Yes	0.833	0.164			
01128	1668	1577	18	264.86	0.012	7.628	7.628	Pressurized	7.013	0.591	0.657	0.887	1.07	1.439	11.614	Yes	1.5	4.316			
01129	1578	1668	18	323.80	0.002	7.626	7.626	Pressurized	4.315	1	1.457	1.5	0.881	0.621	5.235	Yes	1.5	4.315	18.24	21	2
01130	1579	1578	18	324.24	0.001	7.624	7.624	Pressurized	4.314	1	2.061	1.5	0.735	0.621	3.699	Yes	1.5	4.314	20.77	21	2
01132	1211	1212	8	390.11	0.015	0.002	0.002	Free Surfac	0.74	0.028	0.001	0.019	0.02	1.164	1.467	Yes	0.667	0.006			
01133	1209	1580	8	124.88	0.118	0.001	0.001	Free Surfac	1.167	0.012	0	0.008	0.013	2.863	4.153	Yes	0.667	0.002			
01134	1580	1579	18	359.39	0.002	7.621	7.621	Pressurized	4.313	1	1.553	1.5	0.852	0.621	4.907	Yes	1.5	4.313	18.23	21	2
01135	1209	1210	8	391.71	0.029	0.001	0.001	Free Surfac	0.794	0.019	0.001	0.012	0.015	1.535	2.064	Yes	0.277	0.009			
01136	1208	1207	8	139.77	0.005	0.002	0.002	Free Surfac	0.515	0.036	0.002	0.024	0.02	0.716	0.87	Yes	0.027	0.44			
01137	1581	1580	18	488.82	0.004	7.619	7.619	Pressurized	4.311	1	1.181	1.5	0.982	0.62	6.45	Yes	1.5	4.311	16.01	18	2
01139	1582	1581	18	483.40	0.001	7.617	7.617	Pressurized	4.31	1	2.053	1.5	0.736	0.62	3.71	Yes	1.5	4.31	20.76	21	2
01140	1583	1582	18	100.20	0.007	7.614	7.614	Pressurized	5.579	0.721	0.87	1.082	1.069	0.976	8.753	Yes	1.5	4.309	14.41	15	2
01141	1200	1583	8	310.27	0.005	0.008	0.008	Pressurized	0.787	0.069	0.009	0.046	0.041	0.789	0.871	Yes	0.667	0.023			
01142	1461	1200	8	214.55	0.003	0.006	0.006	Pressurized	0.624	0.066	0.009	0.044	0.035	0.638	0.709	Yes	0.667	0.018			
01143	969	1843	8	318.75	0.008	1.071	1.071	Pressurized	3.068	1	1.017	0.667	0.487	0.662	1.054	No	0.667	3.068	8.73	10	1
01144	1187	1186	8	326	0.005	0.002	0.002	Free Surfac	0.518	0.036	0.002	0.024	0.02	0.722	0.878	Yes	0.029	0.387			
01145	1186	1192	8	175.5	0.005	0.004	0.004	Free Surfac	0.624	0.05	0.005	0.033	0.029	0.732	0.845	Yes	0.034	0.616			
01146	1192	1185	8	234.47	0.016	0.006	0.006	Free Surfac	1.076	0.046	0.004	0.03	0.035	1.324	1.55	Yes	0.035	0.892			
01147	1182	1183	8	68.35	0.007	0.047	0.047	Free Surfac	1.514	0.145	0.045	0.096	0.098	1.036	1.047	Yes	0.259	0.375			
01150	1577	1576	18	243.48	0.005	7.719	7.719	Pressurized	4.368	1	1.035	1.5	1.058	0.629	7.455	Yes	1.5	4.368	15.43	18	2
01151	1576	9999	18	87.86	0.004	7.721	7.721	Pressurized	4.369	1	1.196	1.5	0.983	0.629	6.455	Yes	1.5	4.369	16.09	18	2
01152	2917	1575	12	462.39	0.006	2.519	2.519	Free Surfac	3.899	0.767	0.935	0.767	0.68	0.786	2.694	Yes	1	3.207	9.80	10	2
01153	1433	1443	12	273.19	0.005	6.296	6.296	Pressurized	8.017	1	2.575	1	0.67	1.413	2.445	Yes	1	8.017	14.29	15	2
01154	1443	1444	12	118.84	0.004	6.306	6.306	Pressurized	8.029	1	2.669	1	0.658	1.415	2.363	Yes	1	8.029	14.91	15	2
01155	1444	1445	12	159.68	0.002	6.31	6.31	Pressurized	8.035	1	3.773	1	0.55	1.416	1.672	Yes	1	8.035	16.99	18	2
01156	1445	1446	12	234.58	0.001	6.32	6.32	Pressurized	8.047	1	7.822	1	0.376	1.418	0.808	Yes	1	8.047	19.35	21	2
01157	1446	1447	12	58.85	0.006	6.325	6.325	Pressurized	8.053	1	2.31	1	0.709	1.419	2.737	Yes	1	8.053	13.84	15	2
01158	1447	1448	12	301.22	0.004	6.334	6.334	Pressurized	8.065	1	2.883	1	0.634	1.421	2.197	Yes	1	8.065	14.94	15	2
01159	1448	1589	12	171.81	0.002	6.363	6.363	Pressurized	8.101	1	4.263	1	0.518	1.428	1.493	Yes	1	8.101	17.04	18	2
01161	674	1703	14	81.21	0.081	2.137	2.137	Free Surfac	10.092	0.252	0.14	0.294	0.596	3.891	15.317	Yes	1.167	1.999			
01162	1703	2916	14	480.16	0.001	2.143	2.143	Pressurized	2.005	1	1.395	1.167	0.501	0.327	1.536	No	1.167	2.005	16.73	18	1
01163	1597	1596	8	381.84	0.003	0.592	0.592	Pressurized	2.258	0.703	0.842	0.469	0.362	0.606	0.703	Yes	0.667	1.696	6.48	8	2
01164	1596	1595	8	504.50	0.003	0.597	0.597	Pressurized	2.253	0.71	0.853	0.473	0.363	0.6	0.7	Yes	0.667	1.71	6.50	8	2
01165	1595	1594	8	457.8	0.003	1.029	1.029	Pressurized	2.947	1	1.493	0.667	0.392	0.636	0.689	Yes	0.667	2.947	7.97	8	2
01166	2918	1593	8	482.95	0.006	1.042	1.042	Pressurized	2.985	1	1.113	0.667	0.459	0.644	0.936	Yes	0.667	2.985	7.04	8	2
01167	1594	2918	8	58.24	0.013	1.037	1.037	Pressurized	4.295	0.653	0.762	0.435	0.483	1.227	1.362	Yes	0.667	2.972			
01168	1451	1445	8	391.04	0.009	0.005	0.005	Pressurized	0.809	0.047	0.004	0.031	0.031	0.986	1.151	Yes	0.667	0.014			
01169	1450	1447	8	395.42	0.007	0.005	0.005	Pressurized	0.744	0.049	0.005	0.033	0.031	0.881	1.021	Yes	0.667	0.014			
01170	1442	1443	8	396.51	0.013	0.005	0.005	Pressurized	0.928	0.042	0.003	0.028	0.031	1.185	1.402	Yes	0.667	0.014			
01171	1429	1428	8	223.42	0.006	0.005	0.005	Free Surfac	0.702	0.051	0.005	0.034	0.031	0.816	0.939	Yes	0.043	0.5			
01172	1428	1427	8	395.57	0.005	0.01	0.01	Free Surfac	0.821	0.074	0.011	0.049	0.044	0.793	0.868	Yes	0.192	0.114			
01173	1427	1426	8	327.79	0.005	0.014	0.014	Free Surfac	0.937	0.089	0.016	0.059	0.054	0.825	0.881	Yes	0.667	0.041			
01174	1426	1449	8	289.42	0.009	0.019	0.019	Pressurized	1.224	0.09	0.017	0.06	0.062	1.069	1.14	Yes	0.667	0.054			
01175	1430	1432	12	335.48	0.001	6.268	6.268	Pressurized	7.98	1	5.081	1	0.469	1.406	1.233	Yes	1	7.98	19.29	21	2
01176	1431	1430	12	73.99	0.003	6.263	6.263	Pressurized	7.974	1	3.372	1	0.581	1.405	1.857	Yes	1	7.974	15.70	18	2
01177	1598	1597	8	434.46	0.006	0.587	0.587	Pressurized	2.894	0.564	0.61	0.376	0.36	0.921	0.963	Yes	0.667	1.682			
01178	1599	1598	8	281.18	0.004	0.582	0.582	Pressurized	2.384	0.659	0.772	0.439	0.358	0.676	0.754	Yes	0.667	1.667			
01179	1600	1599	8	173.21	0.028	0.577	0.577	Pressurized	5.004	0.365	0.284	0.243	0.357	2.081	2.028	Yes	0.667	1.652			
01180	1413	1600	8	151.26	0.014	0.031	0.031	Free Surfac	1.649	0.102	0.022	0.068	0.079	1.349	1.416	Yes	0.45	0.123			
01181	1412	1413	8	264.06	0.009	0.005	0.005	Free Surfac	0.814	0.049	0.005	0.033	0.032	0.967	1.121	Yes	0.051	0.421			

01182	1411	1413	8	158.32	0.006	0.021	0.021	Free Surfac	1.099	0.102	0.022	0.068	0.065	0.899	0.944	Yes	0.069	1.085			
01183	1408	1411	8	148.79	0.007	0.015	0.015	Free Surfac	1.071	0.085	0.015	0.057	0.056	0.96	1.03	Yes	0.061	0.978			
01184	1410	1408	8	402.78	0.058	0.005	0.005	Free Surfac	1.581	0.031	0.002	0.021	0.032	2.354	2.917	Yes	0.039	0.637			
01185	1601	1600	8	397.22	0.022	0.541	0.541	Free Surfac	4.496	0.377	0.302	0.251	0.345	1.836	1.793	Yes	0.541	1.781			
01186	1602	1638	8	377.41	0.002	0.029	0.029	Pressurized	0.854	0.153	0.051	0.102	0.077	0.567	0.57	Yes	0.667	0.083			
01187	1383	1602	8	323.78	0.016	0.012	0.012	Pressurized	1.299	0.062	0.008	0.041	0.048	1.374	1.541	Yes	0.667	0.033			
01188	1384	1383	8	406.86	0.018	0.006	0.006	Free Surfac	1.089	0.044	0.004	0.029	0.034	1.374	1.62	Yes	0.667	0.017			
01189	1340	1638	8	497.42	0.021	5.708	5.708	Pressurized	16.353	1	3.228	0.667	0.607	3.53	1.768	Yes	0.667	16.353	10.53	12	2
01190	1341	1340	8	500.49	0.021	5.703	5.703	Pressurized	16.337	1	3.233	0.667	0.606	3.526	1.764	Yes	0.667	16.337	10.52	12	2
01191	1342	1341	8	501.31	0.02	5.697	5.697	Pressurized	16.32	1	3.319	0.667	0.601	3.522	1.716	Yes	0.667	16.32	10.62	12	2
01192	1343	1342	8	504.24	0.02	5.691	5.691	Pressurized	16.304	1	3.33	0.667	0.6	3.519	1.709	Yes	0.667	16.304	10.61	12	2
01193	2630	1343	8	228.10	0.037	5.494	5.494	Pressurized	15.741	1	2.353	0.667	0.644	3.397	2.335	Yes	0.667	15.741	9.33	10	2
01194	1344	2630	8	137.97	0.035	5.489	5.489	Pressurized	15.724	1	2.409	0.667	0.642	3.394	2.279	Yes	0.667	15.724	9.43	10	2
01195	2631	1344	8	392.33	0.014	5.471	5.471	Pressurized	15.674	1	3.77	0.667	0.565	3.383	1.451	Yes	0.667	15.674	11.18	12	2
01197	1339	1338	8	387.54	0.011	0.006	0.006	Free Surfac	0.927	0.049	0.005	0.032	0.034	1.107	1.285	Yes	0.667	0.017			
01199	1338	1336	8	374.70	0.007	0.012	0.012	Pressurized	0.95	0.076	0.012	0.051	0.048	0.902	0.983	Yes	0.667	0.033			
01200	599	3019	8	135.45	0.063	0.166	0.166	Free Surfac	4.647	0.159	0.055	0.106	0.186	3.028	3.032	Yes	0.111	4.359			
01201	1336	1604	8	197.18	0.003	0.023	0.023	Pressurized	0.934	0.124	0.033	0.082	0.068	0.693	0.712	Yes	0.667	0.066			
01202	1337	1336	8	401.25	0.006	0.006	0.006	Pressurized	0.726	0.057	0.006	0.038	0.034	0.798	0.904	Yes	0.667	0.017			
01203	1604	1605	8	37.99	0.014	0.029	0.029	Pressurized	1.628	0.098	0.02	0.066	0.077	1.357	1.431	Yes	0.667	0.083			
01204	1605	1603	8	288.57	0.004	0.035	0.035	Pressurized	1.14	0.142	0.044	0.095	0.084	0.787	0.796	Yes	0.667	0.099			
01205	1638	1603	8	320.43	0.008	5.743	5.743	Pressurized	16.453	1	5.169	0.667	0.5	3.551	1.111	Yes	0.667	16.453	12.64	15	2
01206	1322	1325	8	192.48	0.005	0.069	0.069	Pressurized	1.462	0.194	0.082	0.129	0.119	0.859	0.846	Yes	0.667	0.199			
01207	1734	1733	12	494.15	0.003	0.207	0.207	Pressurized	1.526	0.229	0.115	0.229	0.187	0.669	1.799	Yes	1	0.264			
01208	1733	1732	12	471.54	0.005	0.21	0.21	Pressurized	1.996	0.192	0.08	0.192	0.188	0.962	2.614	Yes	1	0.267			
01209	1732	2486	12	408.35	0.004	0.213	0.213	Pressurized	1.874	0.202	0.089	0.202	0.189	0.879	2.378	Yes	1	0.271			
01210	2486	2494	12	70.93	0.002	0.31	0.31	Pressurized	1.644	0.289	0.183	0.289	0.229	0.635	1.697	Yes	1	0.395			
01211	2491	1735	12	98.49	0.002	6.138	6.138	Pressurized	7.816	1	4.403	1	0.5	1.377	1.394	Yes	1	7.816	16.81	18	2
01213	1357	1356	8	235.96	0.007	0.052	0.052	Free Surfac	1.557	0.152	0.05	0.101	0.103	1.038	1.044	No	0.101	1.557			
01214	2633	1727	8	428.05	0.025	5.35	5.35	Pressurized	15.326	1	2.809	0.667	0.619	3.308	1.905	Yes	0.667	15.326	9.94	10	2
01215	2634	2633	8	294.74	0.015	5.344	5.344	Pressurized	15.31	1	3.562	0.667	0.573	3.304	1.5	Yes	0.667	15.31	10.94	12	2
01216	2632	2631	8	404.40	0.014	5.466	5.466	Pressurized	15.658	1	3.806	0.667	0.562	3.379	1.436	Yes	0.667	15.658	11.17	12	2
01217	1345	2632	8	417.7	0.018	5.46	5.46	Pressurized	15.641	1	3.397	0.667	0.588	3.376	1.607	Yes	0.667	15.641	10.66	12	2
01218	1356	1727	8	332.45	0.026	0.058	0.058	Free Surfac	2.505	0.118	0.029	0.078	0.109	1.905	1.967	Yes	0.667	0.166			
01219	1241	1240	8	515.89	0.003	0.072	0.072	Free Surfac	1.264	0.22	0.106	0.147	0.122	0.693	0.677	Yes	0.158	1.136			
01220	1240	1239	8	506.06	0.002	0.078	0.078	Free Surfac	1.134	0.25	0.137	0.167	0.126	0.581	0.565	No	0.167	1.134			
01221	1630	1239	10	343.65	0.005	1.188	1.188	Free Surfac	3.087	0.665	0.781	0.554	0.486	0.778	1.522	No	0.554	3.087			
01222	1629	1630	10	331.04	0.005	1.184	1.184	Free Surfac	3.206	0.641	0.741	0.534	0.485	0.832	1.597	Yes	0.544	3.139			
01223	1628	1629	10	405.37	0.005	1.179	1.179	Free Surfac	3.208	0.638	0.737	0.532	0.484	0.835	1.6	Yes	0.533	3.2			
01224	1632	1631	8	280.53	0.005	0.127	0.127	Free Surfac	1.738	0.263	0.152	0.175	0.163	0.867	0.841	No	0.175	1.738			
01225	1633	1632	8	281.23	0.004	0.122	0.122	Free Surfac	1.605	0.27	0.159	0.18	0.159	0.789	0.765	No	0.18	1.605			
01226	2382	1633	8	282.06	0.004	0.116	0.116	Free Surfac	1.562	0.266	0.155	0.177	0.156	0.774	0.751	Yes	0.181	1.524			
01227	1210	1549	8	86.07	0.018	0.003	0.003	Free Surfac	0.918	0.033	0.002	0.022	0.025	1.331	1.635	Yes	0.667	0.009			
01228	1549	1546	10	198.68	0.004	0.028	0.028	Pressurized	0.984	0.1	0.021	0.083	0.071	0.729	1.34	Yes	0.833	0.051			
01229	1571	1570	8	298.77	0.01	0.016	0.016	Free Surfac	1.215	0.081	0.014	0.054	0.057	1.116	1.205	Yes	0.063	0.985			
01230	1572	1571	8	284.78	0.032	0.008	0.008	Free Surfac	1.478	0.045	0.004	0.03	0.04	1.839	2.16	Yes	0.044	0.821			
01231	1615	1616	8	401.05	0.014	0.604	0.604	Free Surfac	3.898	0.456	0.426	0.304	0.365	1.422	1.417	Yes	0.345	3.316			
01232	1616	1617	8	399.18	0.006	0.612	0.612	Free Surfac	2.903	0.582	0.641	0.388	0.368	0.904	0.955	Yes	0.424	2.616			
01233	2921	1618	8	420.59	0.008	0.629	0.629	Free Surfac	3.173	0.553	0.591	0.369	0.373	1.023	1.063	Yes	0.393	2.941			
01234	1540	1618	8	149.31	0.004	0.348	0.348	Free Surfac	2.17	0.469	0.447	0.312	0.274	0.778	0.779	No	0.312	2.17			
01235	880	1704	8	105.13	0.008	0.006	0.006	Free Surfac	0.831	0.052	0.005	0.035	0.034	0.955	1.097	Yes	0.043	0.612			
01236	1704	879	8	179	0.008	0.012	0.012	Free Surfac	1.009	0.073	0.011	0.049	0.048	0.979	1.072	Yes	0.049	0.993			
01239	1647	1646	15	275.38	0.042	3.711	3.711	Free Surfac	9.273	0.362	0.28	0.452	0.778	2.831	13.272	Yes	0.544	7.242			
01240	607	1666	14	399.49	0.022	3.031	3.031	Free Surfac	6.916	0.429	0.383	0.5	0.715	1.979	7.923	Yes	0.513	6.695			
01241	1666	1665	14	298.38	0.018	3.042	3.042	Free Surfac	6.446	0.454	0.423	0.53	0.717	1.783	7.192	No	0.53	6.446			
01242	1665	1647	14	335.21	0.025	3.053	3.053	Free Surfac	7.268	0.415	0.361	0.485	0.718	2.119	8.453	No	0.485	7.268			
01243	1646	1645	15	478.48	0.013	3.721	3.721	Free Surfac	5.971	0.506	0.51	0.633	0.779	1.49	7.29	Yes	0.656	5.708			
01244	1645	1644	15	371.19	0.01	3.731	3.731	Free Surfac	5.503	0.541	0.571	0.677	0.781	1.314	6.538	Yes	1.051	3.387			
01245	1644	1643	15	284.05	0.003	3.741	3.741	Pressurized	3.048	1	1.103	1.25	0.743	0.48	3.392	No	1.25	3.048	12.94	15	2
01246	1114	1113	8	151.26	0.016	0.005	0.005	Free Surfac	0.974	0.04	0.003	0.027	0.03	1.275	1.52	Yes	0.034	0.683			
01247	1113	1112	8	400.2	0.012	0.009	0.009	Free Surfac	1.102	0.059	0.007	0.04	0.043	1.189	1.341	Yes	0.667	0.027			
01248	1117	1116	8	192.41	0.006	3.329	3.329	Pressurized	9.537	1	3.618	0.667	0.455	2.058	0.92	Yes	0.667	9.537	10.88	12	2
01249	1116	1109	8	398.43	0.005	4.221	4.221	Pressurized	12.092	1	4.848	0.667	0.442	2.61	0.871	Yes	0.667	12.092	15.95	18	1
01250	1109	1110	8	183.7	0.003	4.225	4.225	Pressurized	12.105	1	6.25	0.667	0.388	2.613	0.676	Yes	0.667	12.105	17.56	18	1
01251	1111	1110	8	330.06	0.01	0.019	0.019	Pressurized	1.284	0.085	0.015	0.057	0.061	1.151	1.235	Yes	0.667	0.053			
01252	1112	1111	8	351.84	0.006	0.014	0.014	Pressurized	0.947	0.086	0.015	0.058	0.053	0.844	0.904	Yes	0.667	0.04			
01253	1654	1653	8	259.54	0.003	0.002	0.002	Pressurized	0.438	0.04	0.003	0.027	0.02	0.576	0.688	Yes	0.667	0.006			
01254	1653	1652	8	260.94	0.002	0.004	0.004	Pressurized	0.49	0.059	0.007	0.039	0.029	0.53	0.598	Yes	0.667	0.012			
01255	1652	1656	8	136.18	0.006	0.006	0.006	Pressurized	0.779	0.057	0.006	0.038	0.035	0.859	0.974	Yes	0.667	0.018			
01256	1656	1655	8	94.25	0.006	0.014	0.014	Pressurized	0.953	0.088	0.016	0.059	0.054	0.842	0.9	Yes	0.667	0.041			
01257	1795	43	8	142.36	0.011	0.048	0.048	Free Surfac	1.754	0.132	0.037	0.088	0.099	1.257	1.282	No	0.088	1.754			
01258	444	1795	8	129.34	0.079	0.043	0.043	Free Surfac	3.346	0.078	0.013	0.052	0.093	3.132	3.4	Yes	0.068	2.291			
01259	208	444	8	42.16	0.087	0.037	0.037	Free Surfac	3.326	0.072	0.01	0.048	0.087	3.252	3.571	Yes	0.051	3.027			
01260	1115	1719	15	339.9	0.022	3.771	3.771	Free Surfac	7.383	0.434	0.391	0.542	0.785	2.026	9.654	Yes	0.553	7.207			
01261	1719	1718	15	330.99	0.02	3.781	3.781	Free Surfac	7.091	0.448	0.414	0.561	0.786	1.908	9.133	Yes	0.628	6.12			
01262	1154	1717	8	402.45	0.037	0.02	0.02	Free Surfac	2.051	0.065	0.009	0.044	0.064	2.105	2.342	Yes	0.05	1.693			
01263	1717	1150	8	299	0.034	0.03	0.03	Free Surfac	2.244	0.081	0.013	0.054	0.078	2.065	2.231	Yes	0.667	0.086			
01265	1722	1723	8	131.67	0.081	0.822	0.822	Free Surfac	8.097	0.333	0.239	0.222	0.429	3.549	3.444	Yes	0.278	5.963			
01266	647	1722	8	267.82	0.04	0.818	0.818	Free Surfac	6.241	0.401	0.339	0.268	0.428	2.456	2.41	No	0.268	6.241			
01267	1735	1737	12	488.47	0.002	6.148	6.148	Pressurized	7.828	1	3.862	1	0.536	1.379	1.592	Yes	1	7.828	16.82	18	2
01268	1737	1738	12	483.82	0.001	6.153	6.153	Pressurized	7.834	1	5.771	1	0.434	1.381	1.066	Yes	1	7.834	19.16	21	2
01269	2568	2564	8	268.55	0.007	0.068	0.068	Pressurized	1.657	0.174	0.066	0.116	0.118	1.029	1.022	Yes	0.667	0.193			
01270	1739	1594	8	138.12	0.017	0.004	0.004	Pressurized	0.941	0.036	0.002	0.024	0.027	1.312	1.594	Yes	0.667	0.011			
01271	1739	1637	8	156.22	0.001	0.001	0.001	Pressurized	0.262	0.036	0.002	0.024	0.014	0.366	0.444	Yes	0.667	0.003			
01272	1699	1700	12	353.76	0.055	2.165	2.165	Free Surfac	8.961	0.346	0.258	0.346	0.629	3.134	8.393	Yes	0.378	7.959			
01273	1700	2808	12	323.62	0.029	2.176	2.176	Free Surfac	7.115	0.413	0.357	0.413	0.631	2.25	6.099	Yes	0.501	5.533			
01275	1702	1701	12	286.39	0.004	2.242	2.242	Free Surfac	3.444	0.772	0.943	0.772	0.64	0.689	2.379	No	0.772	3.444	13.12	15	1
01276	1701	1544	12	162.41	0.026	2.452	2.452	Free Surfac	7.046	0.455	0.425	0.455	0.671	2.101	5.767	No	0.455	7.046			
01277	1544	2817	12	85.96	0.028	2.463	2.463	Free Surfac	7.276	0.446	0.41	0.446	0.672	2.197	6.014	Yes	0.504	6.215			
01278	2865	607	12	317.88	0.01	2.953	2.953	Free Surfac	5.015	0.702	0.84	0.702	0.737	1.102	3.516	No	0.702	5.015	12.25	15	1
01279	1160	2817	8	113.69	0.049	0.446	0.446	Free Surfac	5.686	0.276	0.167	0.184	0.312	2.763	2.678	Yes	0.373	2.221			
01280	1658	1160	8	313.3	0.068	0.302	0.302	Free Surfac	5.702	0.209	0.096	0.14	0.255	3.213	3.15	Yes	0.162	4.622			
01282	1671	2816	8	297.99	0.006	0.121	0.121	Free Surfac	1.885	0.24	0.126	0.16	0.159	0.988	0.962	No	0.16	1.885			
01283	1664	1671	8	73.96	0.022	0.11	0.11	Free Surfac	2.861	0.168	0.061	0.112	0.151	1.811	1.805	Yes	0.136	2.155			
01284	1663	1664	8	178.38	0.034	0.099	0.099	Free Surfac	3.208	0.144	0.045	0.096	0.143	2.198	2.221	Yes	0.106	2.78			
01285	1662	2810	8	247.5	0.033	0.044	0.044	Free Surfac	2.497	0.098	0.02	0.065	0.095	2.084	2.198	Yes	0.081	1.825			
01286	602	1659	8	348.92	0.055	0.011	0.011	Free Surfac	1.958	0.045	0.004	0.03	0.047	2.42	2.836	Yes	0.325	0.065			
01287	1538	604	8	214.76	0.006	0.031	0.031	Free Surfac	1.26	0.122	0.032	0.081	0.079	0.941	0.968	Yes	0.122	0.696			
01288	619	1538	6	63.25	0.022	0.015	0.015	Free Surfac	1.642	0.094	0.018	0.047	0.06	1.62	0.837	Yes	0.064	1.04			
01289	1661	1662	8	130.42	0.054	0.022	0.022	Free Surfac	2.408	0.063	0.008	0.042	0.067	2.521	2.819	Yes	0.054	1.68			
01290	1676	1657	8	400.35	0.04	0.225	0.225	Free Surfac	4.344	0.206	0.093	0.137	0.219	2.469	2.423	No	0.137	4.344			
01291	1660	1661	8	246.19	0.054	0.011	0.011	Free Surfac	1.944	0.046	0.004	0.03	0.047	2.396	2.807	Yes	0.035	1.587			
01292	1073	1676	8	82.56	0.024	0.033	0.033	Free Surfac	2.049	0.092	0.018	0.062	0.082	1.765	1.876	Yes	0.099	1.026			
01293	1675	1676	8	385.62	0.012	0.181	0.181	Free Surfac	2.657	0.25	0.137	0.166	0.195	1.363	1.325	No	0.166	2.657			
01294	1674	1675	8	396.32	0.01	0.17	0.17	Free Surfac	2.426	0.255	0.142	0.17	0.189	1.231	1.196	No	0.17	2.426			
01295	1673	1674	8	404.25	0.01	0.093	0.093	Free Surfac	2.039	0.188	0.077	0.125	0.138	1.216	1.201	Yes	0.148	1.612			
01296	1672	1673	8	397.92	0.01	0.019	0.019	Free Surfac	1.263	0.087	0.016	0.058	0.062	1.12	1.199	Yes	0.091	0.652			
01297	884	1708	8	267.37	0.064	2.351	2.351	Free Surfac	9.703	0.655	0.765	0.437	0.644	2.766	3.074	Yes	0.515	8.12			
01298	1708	1707	10	291.02	0.017	2.484	2.484	Free Surfac	5.92	0.719	0.866	0.599	0.7	1.394	2.868	No	0.599	5.92	8.02	10	2
01299	1707	1709	12	276.24	0.03	2.495	2.495	Free Surfac	7.446	0.442	0.404	0.442	0.677	2.259	6.177	Yes	0.453	7.22			
01300	1709	1713	12	326.88	0.026	2.506	2.506	Free Surfac	7.038	0.463	0.438	0.463	0.678	2.076	5.716	Yes	0.476	6.795			
01302	1079	1674	8	93.37	0.074	0.066	0.066	Free Surfac	3.745	0.098	0.02	0.065	0.117	3.125	3.296	Yes	0.118	1.594			
01303	1712	1713	8	127.72	0.027	0.056	0.056	Free Surfac	2.521	0.115	0.028	0.077	0.107	1.94	2.009	Yes	0.283	0.399			
01304	1711	1712	8	148.66	0.006	0.037	0.037	Free Surfac	1.345	0.134	0.038	0.089	0.087	0.957	0.974	No	0.089	1.345			
01305	1710	1711	8	167.28	0.019	0.019	0.019	Free Surfac	1.599	0.074	0.011	0.049	0.062	1.539	1.683	Yes	0.068	0.999			
01306	1713	1714	12	368.02	0.023	2.581	2.581	Free Surfac	6.765	0.489	0.481	0.489	0.688	1.93	5.365	No	0.489	6.765			
01307	1714	1715	12	102.41	0.027	2.805	2.805	Free Surfac	7.365	0.488	0.48	0.488	0.718	2.103	5.843	Yes	0.516	6.863			
01308	1715	1716	12	354.09	0.019	2.824	2.824	Free Surfac	6.469	0.544	0.575	0.544	0.721	1.722	4.91	No	0.544	6.469			
01309	988	1716	8	68.05	0.049	0.056	0.056	Free Surfac	3.084	0.1	0.021	0.067	0.107	2.548	2.68	Yes	0.257	0.453			
01310	989	988	8	300.57	0.002	0.037	0.037	Free Surfac	0.962	0.169	0.062	0.113	0.087	0.607	0.605	No	0.113	0.962			
01311	990	989	8	308.01	0.002	0.019	0.019	Free Surfac	0.697	0.131	0.037	0.087	0.062	0.502	0.512	Yes	0.1	0.569			
01312	946	947	8	606.87	0.01	0.017	0.017	Free Surfac	1.218	0.084	0.015	0.056	0.059	1.099	1.181	Yes	0.063	1.029			
01313	1575	1650	18	336.65	0.003	2.521	2.521	Free Surfac	3.01	0.48	0.465	0.719	0.601	0.709	5.415	Yes	1.5	1.426			
01314	1650	1747	18	400.12	0.017	2.521	2.521	Free Surfac	5.952	0.289	0.182	0.434	0.601	1.88	13.831	Yes	1.5	1.426			
01315	871	953	8	298.02	0.016	0.011	0.011	Free Surfac	1.286	0.06	0.007	0.04	0.047	1.38	1.553	Yes	0.047	1.005			
01316	953	872	8	96.78	0.016	0.022	0.022	Free Surfac	1.588	0.083	0.014	0.055	0.067	1.444	1.555	Yes	0.057	1.533			
01317	1044	976	8	266.36	0.031	0.089	0.089	Free Surfac	3.008	0.139	0.042	0.093	0.135	2.097	2.126	Yes	0.121	2.064			

01318	1046	1045	8	214.66	0.008	0.003	0.003	Free Surfac	0.68	0.04	0.003	0.027	0.025	0.896	1.071	Yes	0.029	0.585			
01319	1047	1045	8	204.71	0.086	0.01	0.01	Free Surfac	2.191	0.038	0.003	0.025	0.044	2.959	3.561	Yes	0.029	1.813			
01320	1045	1048	8	274.23	0.052	0.016	0.016	Free Surfac	2.139	0.054	0.006	0.036	0.057	2.41	2.75	Yes	0.041	1.764			
01321	1747	1748	18	500.13	0.004	10.242	10.242	Pressurized	5.796	1	1.508	1.5	1.009	0.834	6.792	Yes	1.5	5.796	17.89	18	2
01322	1748	1750	18	331.18	0.002	10.303	10.303	Pressurized	5.83	1	2.029	1.5	0.867	0.839	5.078	No	1.5	5.83	20.41	21	2
01324	1184	1762	8	143.61	0.004	0.059	0.059	Pressurized	1.266	0.192	0.081	0.128	0.11	0.747	0.736	Yes	0.667	0.17			
01325	1762	1749	8	164.92	0.007	0.061	0.061	Pressurized	1.578	0.169	0.062	0.113	0.112	0.996	0.992	Yes	0.667	0.176			
01326	1749	1748	8	503.42	0.003	0.061	0.061	Pressurized	1.191	0.205	0.092	0.137	0.112	0.678	0.666	Yes	0.667	0.176			
01337	1728	1729	10	332.16	0.004	1.168	1.168	Free Surfac	2.874	0.698	0.834	0.582	0.482	0.695	1.4	Yes	0.588	2.839	7.92	8	2
01338	1729	1628	10	335.76	0.004	1.174	1.174	Free Surfac	2.818	0.714	0.859	0.595	0.483	0.668	1.367	No	0.595	2.818	7.94	8	2
01339	1144	1123	21	358.98	0.003	13.688	13.688	Pressurized	5.691	1	1.583	1.75	1.092	0.758	8.645	Yes	1.75	5.691	21.05	24	2
01340	1142	1147	18	454.92	0.001	4.281	4.281	Pressurized	2.423	1	1.051	1.5	0.773	0.349	4.072	Yes	1.5	2.423	16.72	18	2
01341	1146	1142	8	35.66	0.006	4.276	4.276	Pressurized	12.251	1	4.66	0.667	0.454	2.644	0.918	Yes	0.667	12.251	15.49	18	1
01342	1121	1146	8	357.95	0.003	4.267	4.267	Pressurized	12.224	1	6.241	0.667	0.39	2.638	0.684	Yes	0.667	12.224	17.63	18	1
01343	1143	1121	8	329.8	0.004	4.262	4.262	Pressurized	12.211	1	5.784	0.667	0.406	2.636	0.737	Yes	0.667	12.211	16.70	18	1
01344	2819	1119	8	407.02	0.006	4.253	4.253	Pressurized	12.185	1	4.596	0.667	0.456	2.63	0.925	Yes	0.667	12.185	15.46	18	1
01345	1145	1144	21	397.83	0.002	13.683	13.683	Pressurized	5.689	1	1.846	1.75	1.008	0.758	7.412	Yes	1.75	5.689	22.71	24	2
01346	2556	1145	21	222.61	0.002	13.678	13.678	Pressurized	5.687	1	1.921	1.75	0.987	0.758	7.119	Yes	1.75	5.687	22.70	24	2
01347	2554	2546	15	247.87	0.02	13.59	13.59	Pressurized	11.075	1	1.476	1.25	1.162	1.746	9.208	Yes	1.25	11.075	14.71	15	2
01348	1607	2555	12	244.05	0.028	6.194	6.194	Pressurized	7.886	1	1.034	1	0.955	1.39	5.989	Yes	1	7.886	13.34	15	1
01349	1609	1607	12	386.25	0.031	6.148	6.148	Free Surfac	9.152	0.798	0.975	0.798	0.959	1.764	6.307	Yes	1	7.828	13.05	15	1
01350	1608	1721	8	109.31	0.028	0.028	0.028	Free Surfac	2.051	0.082	0.014	0.055	0.075	1.878	2.027	Yes	0.065	1.577			
01352	1166	3009	8	287.96	0.025	0.009	0.009	Free Surfac	1.407	0.05	0.005	0.034	0.043	1.65	1.905	No	0.034	1.407			
01353	3010	1808	8	122.47	0.006	0.019	0.019	Free Surfac	1.06	0.097	0.02	0.065	0.061	0.888	0.938	No	0.065	1.06			
01354	1164	1808	8	157.02	0.106	0.009	0.009	Free Surfac	2.335	0.036	0.002	0.024	0.043	3.253	3.951	Yes	0.033	1.42			
01355	1807	1164	8	223.31	0.038	0.005	0.005	Free Surfac	1.328	0.033	0.002	0.022	0.03	1.931	2.377	Yes	0.024	1.124			
01356	1163	1162	8	178.06	0.064	0.009	0.009	Free Surfac	1.956	0.04	0.003	0.027	0.043	2.566	3.062	Yes	0.03	1.655			
01357	1804	1158	8	222.63	0.01	0.005	0.005	Free Surfac	0.845	0.044	0.004	0.03	0.03	1.055	1.241	Yes	0.037	0.609			
01358	1158	1803	8	238.15	0.012	0.009	0.009	Free Surfac	1.089	0.06	0.007	0.04	0.043	1.17	1.318	Yes	0.043	0.961			
01359	1803	1610	8	147.04	0.037	0.023	0.023	Free Surfac	2.14	0.07	0.01	0.047	0.068	2.118	2.333	Yes	0.667	0.066			
01360	1156	1157	8	259.15	0.064	0.005	0.005	Free Surfac	1.582	0.029	0.002	0.019	0.03	2.442	3.06	Yes	0.02	1.47			
01361	1157	1803	8	266.08	0.074	0.009	0.009	Free Surfac	2.064	0.039	0.003	0.026	0.043	2.757	3.307	Yes	0.036	1.246			
01362	1611	1612	12	354.82	0.031	6.111	6.111	Free Surfac	9.057	0.801	0.979	0.801	0.958	1.736	6.241	Yes	1	7.78	13.02	15	1
01363	1612	1610	12	161.38	0.022	6.115	6.115	Pressurized	7.786	1	1.148	1	0.932	1.372	5.328	Yes	1	7.786	13.89	15	1
01365	2880	1608	8	174.18	0.144	0.023	0.023	Free Surfac	3.435	0.051	0.005	0.034	0.068	3.996	4.604	Yes	0.044	2.325			
01366	1613	1611	12	396.41	0.039	6.106	6.106	Free Surfac	10.142	0.716	0.862	0.716	0.958	2.187	7.08	Yes	0.759	9.549	12.47	15	1
01367	1808	2879	8	71.13	0.162	0.032	0.032	Free Surfac	3.965	0.058	0.007	0.039	0.081	4.32	4.884	Yes	0.555	0.104			
01368	1147	1148	18	298.53	0.003	4.286	4.286	Pressurized	3.794	0.61	0.689	0.915	0.794	0.761	6.216	Yes	1.5	2.425			
01369	1148	1149	18	133.88	0.001	4.296	4.296	Pressurized	2.431	1	1.235	1.5	0.711	0.35	3.478	Yes	1.5	2.431	16.75	18	2
01370	1149	1153	18	293.29	0.002	4.306	4.306	Pressurized	2.886	0.787	0.962	1.181	0.796	0.461	4.477	Yes	1.5	2.436	14.72	15	2
01371	1150	1151	8	41.35	0.016	0.04	0.04	Pressurized	1.883	0.111	0.026	0.074	0.09	1.476	1.534	Yes	0.667	0.114			
01372	2875	2876	15	493.18	0.021	3.801	3.801	Free Surfac	7.204	0.445	0.408	0.556	0.788	1.948	9.312	No	0.556	7.204			
01373	1151	1153	8	51.3	0.106	0.05	0.05	Pressurized	3.896	0.079	0.013	0.053	0.101	3.638	3.945	Yes	0.667	0.143			
01374	1153	1155	18	138.04	0.003	8.186	8.186	Pressurized	4.632	1	1.409	1.5	0.93	0.667	5.81	Yes	1.5	4.632	17.36	18	2
01375	1155	MH22	18	76.93	0.021	8.196	8.196	Pressurized	8.821	0.52	0.535	0.78	1.109	1.974	15.331	Yes	1.5	4.638			
01376	1819	1820	18	326.50	0.014	21.917	21.917	Pressurized	12.402	1	1.771	1.5	1.329	1.785	12.378	Yes	1.5	12.402	18.81	21	2
01377	2976	1821	18	254.94	0.004	21.917	21.917	Pressurized	12.402	1	3.445	1.5	0.975	1.785	6.361	No	1.5	12.402	23.79	24	2
01378	682	688	6	256.09	0.007	0.023	0.023	Pressurized	1.221	0.153	0.051	0.077	0.074	0.936	0.458	Yes	0.5	0.118			
01379	681	682	6	109.73	0.018	0.012	0.012	Pressurized	1.393	0.087	0.016	0.044	0.052	1.428	0.745	Yes	0.5	0.059			
01381	1483	1764	8	81.52	0.006	0.058	0.058	Free Surfac	1.531	0.166	0.06	0.11	0.109	0.975	0.973	Yes	0.124	1.301			
01382	1766	1765	8	105.34	0.006	0.017	0.017	Free Surfac	1.032	0.092	0.018	0.061	0.058	0.891	0.947	Yes	0.071	0.84			
01384	879	887	8	278.61	0.034	0.023	0.023	Free Surfac	2.074	0.072	0.01	0.048	0.068	2.03	2.229	Yes	0.159	0.362			
01386	2860	1792	8	76.63	0.037	0.006	0.006	Free Surfac	1.405	0.037	0.002	0.024	0.034	1.932	2.338	Yes	0.033	0.918			
01387	1892	1891	8	272.92	0.008	0.004	0.004	Free Surfac	0.723	0.044	0.004	0.029	0.028	0.906	1.066	Yes	0.032	0.625			
01388	1891	1889	8	308.09	0.02	0.008	0.008	Free Surfac	1.246	0.049	0.005	0.032	0.04	1.485	1.722	Yes	0.048	0.695			
01389	1801	1601	8	213.44	0.005	0.535	0.535	Free Surfac	2.568	0.577	0.632	0.385	0.343	0.804	0.847	No	0.385	2.568			
01390	1802	1801	8	182.53	0.008	0.021	0.021	Free Surfac	1.23	0.095	0.019	0.063	0.065	1.047	1.109	Yes	0.224	0.2			
01391	1289	1292	8	167.54	0.022	0.014	0.014	Free Surfac	1.546	0.063	0.008	0.042	0.054	1.611	1.8	No	0.042	1.546			
01392	1290	1289	8	113.32	0.015	0.012	0.012	Free Surfac	1.275	0.062	0.008	0.041	0.048	1.342	1.503	No	0.041	1.275			
01394	1299	1290	8	200.28	0.085	0.009	0.009	Free Surfac	2.114	0.036	0.002	0.024	0.042	2.916	3.531	Yes	0.032	1.402			
01396	1105	992	8	236.17	0.003	0.006	0.006	Free Surfac	0.596	0.065	0.008	0.044	0.034	0.612	0.681	No	0.044	0.596			
01400	152	151	8	333.69	0.02	1.163	1.163	Free Surfac	5.281	0.604	0.678	0.402	0.511	1.601	1.716	No	0.402	5.281			
01401	144	544	10	174.98	0.02	0.074	0.074	Free Surfac	2.359	0.107	0.024	0.089	0.116	1.684	3.071	No	0.089	2.359			
01402	545	491	12	166.73	0.021	0.089	0.089	Free Surfac	2.497	0.091	0.017	0.091	0.122	1.768	5.188	Yes	0.093	2.437			
01403	546	152	8	310.87	0.03	1.159	1.159	Free Surfac	6.196	0.528	0.548	0.352	0.51	2.06	2.115	Yes	0.378	5.683			
01404	491	153	12	152.44	0.019	0.098	0.098	Free Surfac	2.5	0.097	0.02	0.097	0.128	1.711	4.979	No	0.097	2.5			
01405	153	149	12	191.71	0.023	0.103	0.103	Free Surfac	2.699	0.095	0.019	0.095	0.131	1.867	5.447	No	0.095	2.699			
01406	149	150	12	139.12	0.042	0.126	0.126	Free Surfac	3.52	0.091	0.017	0.091	0.145	2.489	7.3	Yes	0.095	3.309			
01407	147	145	8	290.68	0.021	0.005	0.005	Free Surfac	1.077	0.038	0.003	0.025	0.03	1.46	1.758	Yes	0.032	0.759			
01408	145	146	8	168.09	0.016	0.009	0.009	Free Surfac	1.209	0.056	0.006	0.037	0.043	1.347	1.532	Yes	0.04	1.068			
01409	146	148	8	36.22	0.015	0.014	0.014	Free Surfac	1.333	0.069	0.009	0.046	0.053	1.336	1.477	No	0.046	1.333			
01410	148	149	8	39.37	0.082	0.019	0.019	Free Surfac	2.633	0.053	0.005	0.035	0.061	3.019	3.463	Yes	0.061	1.147			
01413	15	16	8	385.15	0.023	0.039	0.039	Free Surfac	2.128	0.101	0.021	0.068	0.09	1.747	1.835	Yes	0.075	1.813			
01414	17	21	8	29.48	0.024	0.053	0.053	Pressurized	2.371	0.115	0.028	0.076	0.104	1.829	1.893	Yes	0.667	0.151			
01415	994	873	8	143.88	0.079	0.088	0.088	Free Surfac	4.165	0.111	0.026	0.074	0.135	3.269	3.399	Yes	0.096	2.86			
01416	1813	1809	8	248.32	0.011	0.036	0.036	Pressurized	1.595	0.117	0.029	0.078	0.086	1.218	1.259	Yes	0.667	0.104			
01417	1809	1810	8	148.73	0.013	0.04	0.04	Pressurized	1.737	0.118	0.029	0.078	0.09	1.322	1.365	Yes	0.667	0.115			
01418	1818	1811	8	297.30	0.007	3.21	3.21	Pressurized	9.197	1	3.219	0.667	0.474	1.985	0.997	Yes	0.667	9.197	10.42	12	2
01419	1811	1810	8	157.05	0.008	3.214	3.214	Pressurized	9.207	1	2.953	0.667	0.495	1.987	1.088	Yes	0.667	9.207	10.17	12	2
01420	1810	1812	8	376.27	0.041	3.258	3.258	Pressurized	9.332	1	1.335	0.667	0.647	2.014	2.439	No	0.667	9.332	7.52	8	2
01421	1812	1814	8	330.56	0.079	3.261	3.261	Free Surfac	11.131	0.782	0.956	0.522	0.66	2.688	3.413	Yes	0.667	9.343	6.66	8	2
01422	1814	1815	8	357.28	0.066	3.265	3.265	Pressurized	9.353	1	1.047	0.667	0.659	2.019	3.118	Yes	0.667	9.353	6.89	8	2
01423	1815	1817	8	312.08	0.063	3.268	3.268	Pressurized	9.363	1	1.072	0.667	0.659	2.021	3.05	Yes	0.667	9.363	6.95	8	2
01424	1816	1817	8	221.56	0.001	0.007	0.007	Pressurized	0.445	0.087	0.016	0.058	0.036	0.395	0.423	Yes	0.667	0.019			
01426	1730	1602	8	121.06	0.005	0.012	0.012	Pressurized	0.873	0.081	0.013	0.054	0.048	0.806	0.872	Yes	0.667	0.033			
01427	1731	1730	8	493.96	0.004	0.006	0.006	Pressurized	0.654	0.061	0.007	0.041	0.034	0.694	0.779	Yes	0.667	0.017			
01428	351	2834	8	340.59	0.057	1.413	1.413	Free Surfac	8.238	0.493	0.489	0.329	0.559	2.862	2.892	Yes	0.667	4.048			
01429	262	263	8	102.27	0.014	0.005	0.005	Free Surfac	0.985	0.044	0.004	0.029	0.033	1.236	1.456	Yes	0.033	0.842			
01430	437	436	8	173.19	0.009	0.006	0.006	Free Surfac	0.863	0.051	0.005	0.034	0.034	1.01	1.165	Yes	0.038	0.724			
01431	436	435	8	247.07	0.016	0.011	0.011	Free Surfac	1.283	0.062	0.008	0.041	0.048	1.356	1.521	Yes	0.569	0.036			
01432	435	434	8	288.53	0.001	0.017	0.017	Free Surfac	0.568	0.142	0.043	0.094	0.059	0.392	0.397	No	0.094	0.568			
01433	378	377	8	327.36	0.011	0.004	0.004	Free Surfac	0.848	0.043	0.003	0.028	0.03	1.083	1.281	Yes	0.029	0.82			
01434	377	376	8	97.58	0.037	0.009	0.009	Free Surfac	1.587	0.044	0.004	0.03	0.042	1.98	2.327	Yes	0.033	1.327			
01435	295	188	8	326.79	0.026	0.104	0.104	Free Surfac	2.972	0.157	0.053	0.104	0.147	1.95	1.955	Yes	0.105	2.938			
01436	188	394	8	186.21	0.027	0.109	0.109	Free Surfac	3.05	0.159	0.055	0.106	0.15	1.985	1.987	Yes	0.112	2.834			
01437	394	164	8	284.12	0.032	0.145	0.145	Free Surfac	3.525	0.176	0.067	0.117	0.174	2.178	2.162	Yes	0.133	2.926			
01438	164	155	8	310.83	0.014	0.156	0.156	Free Surfac	2.661	0.224	0.11	0.15	0.181	1.446	1.412	Yes	0.168	2.255			
01439	100	101	12	358.12	0.006	0.895	0.895	Free Surfac	3.11	0.394	0.328	0.394	0.396	1.01	2.727	No	0.394	3.11			
01440	101	320	12	138.91	0.01	0.899	0.899	Free Surfac	3.719	0.347	0.258	0.347	0.397	1.3	3.482	No	0.347	3.719			
01441	98	99	12	227.18	0.004	0.886	0.886	Free Surfac	2.676	0.438	0.397	0.438	0.394	0.816	2.23	No	0.438	2.676			
01442	99	100	12	393.93	0.005	0.891	0.891	Free Surfac	2.995	0.404	0.343	0.404	0.395	0.959	2.594	No	0.404	2.995			
01443	1828	1829	8	12.65	0.038	0.03	0.03	Free Surfac	2.351	0.08	0.013	0.053	0.079	2.185	2.367	Yes	0.057	2.13			
01444	1829	91	8	33.11	0.036	0.035	0.035	Free Surfac	2.392	0.086	0.015	0.057	0.084	2.136	2.29	Yes	0.296	0.233			
01445	1832	1831	8	253.3	0.02	0.005	0.005	Free Surfac	1.098	0.04	0.003	0.027	0.032	1.441	1.719	Yes	0.031	0.875			
01446	1831	1830	8	175.17	0.018	0.01	0.01	Free Surfac	1.295	0.057	0.006	0.038	0.046	1.42	1.608	No	0.038	1.295			
01447	1834	1833	8	117.91	0.03	0.03	0.03	Free Surfac	2.163	0.084	0.015	0.056	0.079	1.954	2.101	Yes	0.058	2.044			
01448	1835	1834	8	178.44	0.041	0.026	0.026	Free Surfac	2.296	0.073	0.011	0.049	0.073	2.232	2.446	Yes	0.05	2.192			
01449	1836	1835	8	138.27	0.023	0.013	0.013	Free Surfac	1.518	0.06	0.007	0.04	0.051	1.624	1.827	Yes	0.046	1.227			
01450	1838	1837	8	204.17	0.02	0.004	0.004	Free Surfac	1.047	0.037	0.003	0.025	0.03	1.434	1.734	Yes	0.032	0.701			
01451	1837	1836	8	220.99	0.011	0.009	0.009	Free Surfac	1.035	0.059	0.007	0.04	0.042	1.116	1.258	Yes	0.041	0.971			
01452	1840	1839	8	232.89	0.011	0.004	0.004	Free Surfac	0.856	0.042	0.003	0.028	0.03	1.095	1.296	Yes	0.029	0.814			
01453	1839	1835	8	182.78	0.022	0.009	0.009	Free Surfac	1.331	0.05	0.005	0.033	0.042	1.564	1.807	Yes	0.043	0.915			
01454	1784	1864	8	134.01	0.008	0.422	0.422	Free Surfac	2.844	0.441	0.402	0.294	0.303	1.058	1.05	No	0.294	2.844			
01455	1864	2627	8	195.3	0.051	0.427	0.427	Free Surfac	5.716	0.267	0.156	0.178	0.305	2.829	2.744	Yes	0.208	4.581			
01456	980	971	8	147.69	0.016	0.111	0.111	Free Surfac	2.538	0.183	0.073	0.122	0.152	1.536	1.519	Yes	0.19	1.352			
01457	1843	1844	8	154.84	0.01	1.075	1.075	Free Surfac	3.878	0.741	0.898	0.494	0.492	0.992	1.196	Yes	0.667	3.079	8.39	10	1
01458	1844	1845	8	194.23	0.007	1.079	1.079	Pressurized	3.09	1	1.101	0.667	0.47	0.667	0.98	Yes	0.667	3.09	8.98	10	1
01460	1848	1847	8	342.08	0.01	0.065	0.065	Free Surfac	1.873	0.156	0.053	0.104	0.116	1.23	1.233	Yes	0.105	1.846			
01461	1849	1848	8	331.42	0.03	0.061	0.061	Free Surfac	2.656	0.117	0.029	0.078	0.112	2.024	2.09	Yes	0.092	2.105			
01462	1846	1849	8	159.10	0.063	0.004	0.004	Free Surfac	1.544	0.028	0.001	0.019	0.03	2.412	3.033	Yes	0.048	0.388			
01463	1850	1849	8	166.25	0.035	0.052	0.052	Free Surfac	2.678	0.105	0.023	0.07	0.103	2.159	2.259	Yes	0.074	2.488			
01464	1851	1850	8	489.95	0.025	0.048	0.048	Free Surfac	2.33	0.109	0.025	0.073	0.099	1.845	1.922	No	0.073	2.33			
01465	1856	1854	8	205.59	0.021	0.004	0.004	Free Surfac	1.048	0.037	0.003	0.025	0.03	1.436	1.736	Yes	0.041	0.492			
01466	1855	1854	8	95.27	0.001	0.004	0.004	Free Surfac	0.388	0.072	0.01	0.048	0.03	0.379	0.415	Yes	0.053	0.339			
01467	1854	1853	8	219.38	0.006	0.013	0.013	Free Surfac	0.948	0.083	0.014	0.055	0.051	0.863	0.929	Yes	0.063	0.789			
01468	1853	1852	8	168.56	0.012	0.029	0.029	Free Surfac	1.531	0.103	0.022	0.069	0.077	1.245	1.305	Yes	0.072	1.425			
01469	1852	1851	8	130.28	0.014	0.044	0.044	Free Surfac	1.841	0.12	0.03	0.08	0.094	1.388	1.43	No	0.08	1.841			

01470	1859	1858	8	255.40	0.035	0.003	0.003	Free Surfac	1.134	0.028	0.001	0.018	0.025	1.797	2.27	Yes	0.024	0.765			
01471	1858	1857	8	129.07	0.023	0.007	0.007	Free Surfac	1.292	0.046	0.004	0.031	0.039	1.587	1.857	Yes	0.032	1.195			
01472	1857	1853	8	396.04	0.049	0.012	0.012	Free Surfac	1.927	0.048	0.004	0.032	0.049	2.317	2.695	Yes	0.051	0.964			
01473	1859	1860	8	370.76	0.006	0.001	0.001	Free Surfac	0.478	0.028	0.001	0.018	0.016	0.757	0.957	Yes	0.025	0.312			
01474	1860	1861	8	264.3	0.016	0.006	0.006	Free Surfac	1.03	0.044	0.004	0.03	0.034	1.285	1.511	No	0.03	1.03			
01475	1861	1852	8	289.21	0.094	0.01	0.01	Free Surfac	2.29	0.038	0.003	0.025	0.045	3.086	3.711	Yes	0.051	0.825			
01476	1900	1901	8	181.24	0.008	0.291	0.291	Free Surfac	2.584	0.359	0.276	0.239	0.25	1.085	1.056	Yes	0.262	2.284			
01477	23	24	8	145.77	0.01	4.085	4.085	Pressurized	11.703	1	3.324	0.667	0.525	2.526	1.229	Yes	0.667	11.703	10.67	12	2
01478	1890	1889	8	166.96	0.005	0.004	0.004	Free Surfac	0.623	0.049	0.005	0.032	0.028	0.743	0.861	Yes	0.048	0.348			
01479	1887	1886	8	374.14	0.016	0.004	0.004	Free Surfac	0.931	0.037	0.003	0.025	0.028	1.271	1.534	Yes	0.046	0.377			
01480	1889	1888	8	298.8	0.006	0.016	0.016	Free Surfac	1.009	0.09	0.017	0.06	0.056	0.881	0.94	Yes	0.065	0.904			
01481	1888	1886	8	384.72	0.004	0.02	0.02	Free Surfac	0.959	0.108	0.025	0.072	0.063	0.761	0.793	No	0.072	0.959			
01482	1886	1885	8	233.48	0.011	0.027	0.027	Free Surfac	1.483	0.101	0.021	0.067	0.075	1.219	1.281	No	0.067	1.483			
01483	1885	1883	8	226.97	0.022	0.031	0.031	Free Surfac	1.947	0.092	0.018	0.061	0.08	1.68	1.786	Yes	0.081	1.307			
01484	1883	1882	8	128.92	0.009	0.055	0.055	Free Surfac	1.675	0.15	0.048	0.1	0.106	1.126	1.133	Yes	0.238	0.491			
01485	1884	1883	8	216.95	0	0.02	0.02	Free Surfac	0.387	0.203	0.09	0.135	0.063	0.222	0.218	No	0.135	0.387			
01486	1881	1880	8	275.45	0.007	0.004	0.004	Free Surfac	0.691	0.045	0.004	0.03	0.028	0.853	0.999	Yes	0.039	0.473			
01487	1878	1877	8	98.77	0.009	0.004	0.004	Free Surfac	0.757	0.043	0.003	0.029	0.028	0.963	1.138	Yes	0.035	0.561			
01488	1877	1876	8	109.87	0.009	0.008	0.008	Free Surfac	0.941	0.059	0.007	0.039	0.04	1.019	1.15	Yes	0.065	0.452			
01489	1876	1875	8	109.74	0.001	0.012	0.012	Free Surfac	0.418	0.135	0.039	0.09	0.049	0.296	0.302	No	0.09	0.418			
01490	1875	1874	8	260.08	0.01	0.027	0.027	Free Surfac	1.407	0.105	0.023	0.07	0.075	1.135	1.188	Yes	0.074	1.304			
01491	1874	1873	8	82.33	0.008	0.031	0.031	Free Surfac	1.386	0.116	0.029	0.077	0.08	1.062	1.098	Yes	0.124	0.696			
01492	1873	963	8	126.01	0	0.035	0.035	Free Surfac	0.48	0.263	0.152	0.176	0.085	0.239	0.232	No	0.176	0.48			
01493	1872	1871	8	211.46	0.03	0.004	0.004	Free Surfac	1.155	0.032	0.002	0.021	0.028	1.709	2.114	Yes	0.032	0.622			
01494	1871	1870	8	178.16	0.006	0.008	0.008	Free Surfac	0.806	0.064	0.008	0.043	0.039	0.834	0.93	Yes	0.046	0.73			
01495	1870	1869	8	402.08	0.008	0.011	0.011	Free Surfac	0.998	0.073	0.011	0.049	0.048	0.967	1.059	No	0.049	0.998			
01496	1868	1867	8	223.54	0.006	0.008	0.008	Free Surfac	0.833	0.063	0.008	0.042	0.039	0.873	0.976	Yes	0.047	0.704			
01497	1869	1867	8	140.69	0.029	0.015	0.015	Free Surfac	1.732	0.061	0.007	0.041	0.056	1.838	2.063	Yes	0.046	1.433			
01498	1867	1866	8	174.32	0.032	0.027	0.027	Free Surfac	2.119	0.078	0.012	0.052	0.074	1.989	2.16	Yes	0.072	1.325			
01499	1866	1865	8	215.74	0.004	0.031	0.031	Free Surfac	1.064	0.137	0.04	0.091	0.079	0.749	0.761	Yes	0.093	1.029			
01500	1865	728	8	253.19	0.004	0.034	0.034	Free Surfac	1.12	0.143	0.044	0.095	0.084	0.77	0.778	Yes	0.251	0.285			
01502	1895	1894	8	275.83	0.006	0.039	0.039	Free Surfac	1.297	0.141	0.043	0.094	0.089	0.9	0.912	Yes	0.108	1.057			
01503	1894	1893	8	234.71	0.003	0.044	0.044	Free Surfac	1.034	0.18	0.071	0.12	0.095	0.63	0.624	No	0.12	1.034			
01504	1893	1241	8	14.81	0.023	0.05	0.05	Free Surfac	2.284	0.113	0.027	0.076	0.101	1.771	1.836	Yes	0.111	1.302			
01505	2912	1895	8	35.97	0.004	0.017	0.017	Free Surfac	0.851	0.105	0.023	0.07	0.058	0.686	0.717	Yes	0.08	0.702			
01507	1584	1841	18	482.10	0.002	7.586	7.586	Pressurized	4.293	1	1.851	1.5	0.775	0.618	4.098	Yes	1.5	4.293	18.20	21	2
01508	1841	1583	18	80.44	0.008	7.604	7.604	Pressurized	5.782	0.697	0.833	1.046	1.068	1.043	9.133	Yes	1.5	4.303	14.05	15	2
01509	1655	1841	8	308.73	0.003	0.016	0.016	Pressurized	0.833	0.106	0.023	0.07	0.058	0.669	0.7	Yes	0.667	0.047			
01510	1902	1901	8	254.34	0.025	0.008	0.008	Free Surfac	1.333	0.047	0.004	0.031	0.04	1.625	1.897	Yes	0.158	0.124			
01511	1903	1902	8	244.10	0.039	0.004	0.004	Free Surfac	1.273	0.03	0.002	0.02	0.028	1.931	2.407	Yes	0.024	0.973			
01512	1909	1901	8	346.15	0.015	0.004	0.004	Free Surfac	0.917	0.038	0.003	0.025	0.028	1.246	1.502	Yes	0.155	0.064			
01513	1908	1907	8	295.58	0.005	0.004	0.004	Free Surfac	0.64	0.048	0.004	0.032	0.028	0.769	0.894	Yes	0.039	0.474			
01514	1904	1905	8	364	0.013	0.004	0.004	Free Surfac	0.86	0.039	0.003	0.026	0.028	1.142	1.368	Yes	0.032	0.643			
01515	1905	1907	8	278.54	0.022	0.012	0.012	Free Surfac	1.455	0.058	0.007	0.038	0.049	1.592	1.802	Yes	0.042	1.262			
01516	1907	1913	8	304.47	0.028	0.02	0.02	Free Surfac	1.847	0.069	0.01	0.046	0.063	1.84	2.031	Yes	0.057	1.371			
01517	1912	1913	8	293.87	0.035	0.004	0.004	Free Surfac	1.215	0.031	0.002	0.021	0.028	1.814	2.251	Yes	0.044	0.4			
01518	1901	1910	8	302.89	0.004	0.307	0.307	Free Surfac	2.124	0.432	0.388	0.288	0.257	0.8	0.792	No	0.288	2.124			
01519	1911	1910	8	273.36	0.017	0.004	0.004	Free Surfac	0.96	0.036	0.002	0.024	0.028	1.323	1.603	Yes	0.156	0.063			
01520	1910	1917	8	287.79	0.005	0.315	0.315	Free Surfac	2.22	0.426	0.378	0.284	0.26	0.844	0.833	No	0.284	2.22			
01521	1917	1918	8	187.78	0.005	0.319	0.319	Free Surfac	2.277	0.422	0.371	0.281	0.262	0.871	0.859	Yes	0.282	2.272			
01522	1918	732	8	162.06	0.005	0.323	0.323	Free Surfac	2.328	0.419	0.366	0.279	0.263	0.894	0.881	No	0.279	2.328			
01523	1916	1915	8	297.88	0.008	0.004	0.004	Free Surfac	0.726	0.044	0.004	0.029	0.028	0.911	1.073	No	0.029	0.726			
01524	1915	1914	8	288.21	0.036	0.008	0.008	Free Surfac	1.525	0.043	0.003	0.028	0.04	1.945	2.301	Yes	0.054	0.581			
01525	1913	1914	8	299.06	0.013	0.027	0.027	Free Surfac	1.568	0.097	0.02	0.065	0.075	1.315	1.388	Yes	0.073	1.329			
01526	1914	954	8	177.72	0.013	0.039	0.039	Free Surfac	1.763	0.115	0.028	0.076	0.089	1.358	1.407	Yes	0.114	0.991			
01527	1906	1905	8	146.3	0.01	0.004	0.004	Free Surfac	0.78	0.042	0.003	0.028	0.028	1.003	1.189	Yes	0.033	0.617			
01530	1945	1944	8	389.48	0.01	0.552	0.552	Free Surfac	3.43	0.469	0.448	0.313	0.349	1.229	1.231	No	0.313	3.43			
01531	1922	1921	8	153.44	0.008	0.022	0.022	Free Surfac	1.252	0.098	0.02	0.065	0.067	1.045	1.102	No	0.065	1.252			
01532	1921	1920	8	312.98	0.016	0.028	0.028	Free Surfac	1.688	0.093	0.018	0.062	0.075	1.446	1.534	Yes	0.3	0.182			
01533	1936	1940	8	238.12	0.008	0.052	0.052	Free Surfac	1.632	0.148	0.047	0.098	0.103	1.104	1.113	Yes	0.237	0.472			
01534	1943	1942	15	350.48	0.01	0.57	0.57	Free Surfac	3.246	0.201	0.088	0.251	0.294	1.366	6.463	Yes	0.252	3.223			
01535	1942	1941	15	350.19	0.01	0.576	0.576	Free Surfac	3.23	0.203	0.09	0.254	0.296	1.352	6.391	No	0.254	3.23			
01536	1941	1940	15	352.63	0.011	0.581	0.581	Free Surfac	3.422	0.196	0.084	0.245	0.297	1.458	6.907	Yes	0.31	2.452			
01537	1927	1926	8	168.71	0.01	0.033	0.033	Free Surfac	1.52	0.112	0.027	0.075	0.082	1.185	1.23	Yes	0.237	0.294			
01538	1946	1926	8	380.79	0.009	0.552	0.552	Free Surfac	3.319	0.481	0.468	0.321	0.349	1.171	1.178	Yes	0.36	2.867			
01539	1926	1947	8	325.31	0.005	0.591	0.591	Free Surfac	2.706	0.599	0.671	0.4	0.361	0.825	0.881	No	0.4	2.706			
01540	1947	1940	8	319.09	0.014	0.597	0.597	Free Surfac	3.915	0.451	0.418	0.3	0.363	1.438	1.431	Yes	0.338	3.369			
01541	1944	1619	8	257.55	0.015	0.558	0.558	Free Surfac	3.958	0.424	0.375	0.283	0.351	1.508	1.488	No	0.283	3.958			
01542	1619	1943	15	271.3	0.008	0.565	0.565	Free Surfac	3.053	0.208	0.095	0.26	0.293	1.26	5.951	No	0.26	3.053			
01543	1258	1257	8	80.45	0.008	0.002	0.002	Free Surfac	0.612	0.032	0.002	0.021	0.02	0.902	1.114	Yes	0.035	0.292			
01544	2920	1631	8	346.95	0.007	1.03	1.03	Free Surfac	3.406	0.809	0.988	0.539	0.482	0.79	1.043	No	0.539	3.406	6.81	8	2
01545	1959	1957	15	452.81	0.017	26.359	26.359	Pressurized	21.479	1	3.101	1.25	1.137	3.386	8.501	Yes	1.25	21.479	19.44	21	2
01546	2412	1960	15	445.21	0.011	26.345	26.345	Pressurized	21.468	1	3.905	1.25	1.044	3.384	6.746	Yes	1.25	21.468	21.09	24	2
01547	1960	1959	15	448.38	0.009	26.352	26.352	Pressurized	21.474	1	4.265	1.25	1.004	3.385	6.178	Yes	1.25	21.474	21.90	24	2
01548	1953	1954	21	303.29	0.004	0.021	0.021	Pressurized	0.816	0.035	0.002	0.061	0.051	0.712	9.697	Yes	1.75	0.009			
01549	1954	1957	21	224.77	0.002	0.043	0.043	Pressurized	0.876	0.053	0.005	0.092	0.073	0.619	7.93	Yes	1.75	0.018			
01550	1958	1954	8	27.14	0.366	0.017	0.017	Pressurized	4.322	0.036	0.002	0.024	0.059	6.031	7.329	Yes	0.667	0.049			
01551	1966	1802	8	269.49	0.032	0.015	0.015	Free Surfac	1.793	0.06	0.007	0.04	0.056	1.917	2.157	Yes	0.052	1.239			
01552	772	771	8	261.9	0.021	0.005	0.005	Free Surfac	1.081	0.039	0.003	0.026	0.031	1.449	1.74	Yes	0.031	0.837			
01553	1679	1678	8	97.04	0.008	0.01	0.01	Free Surfac	0.942	0.067	0.009	0.045	0.044	0.955	1.058	Yes	0.047	0.87			
01554	1678	1677	8	347.45	0.009	0.013	0.013	Free Surfac	1.075	0.075	0.011	0.05	0.051	1.032	1.128	No	0.05	1.075			
01555	1677	1993	8	107.95	0.052	0.016	0.016	Free Surfac	2.141	0.054	0.006	0.036	0.057	2.411	2.752	No	0.036	2.141			
01556	1984	1985	8	350.69	0.009	0.003	0.003	Free Surfac	0.725	0.038	0.003	0.025	0.025	0.976	1.174	Yes	0.031	0.554			
01557	1985	1986	8	115.05	0.009	0.006	0.006	Free Surfac	0.884	0.053	0.006	0.036	0.036	1.006	1.152	Yes	0.038	0.801			
01558	1986	1987	8	112.78	0.012	0.01	0.01	Free Surfac	1.097	0.061	0.007	0.04	0.044	1.17	1.316	Yes	0.048	0.846			
01559	1987	1988	8	124.43	0.005	0.013	0.013	Free Surfac	0.906	0.084	0.014	0.056	0.051	0.82	0.882	Yes	0.062	0.778			
01560	1988	1989	8	105.34	0.004	0.016	0.016	Free Surfac	0.847	0.102	0.022	0.068	0.057	0.693	0.728	No	0.068	0.847			
01561	1989	1990	8	169.92	0.014	0.019	0.019	Free Surfac	1.422	0.081	0.013	0.054	0.062	1.308	1.413	No	0.054	1.422			
01562	1993	1990	8	194.34	0.098	0.019	0.019	Free Surfac	2.823	0.051	0.005	0.034	0.062	3.284	3.783	Yes	0.042	2.102			
01563	1990	1991	8	95.45	0.097	0.041	0.041	Free Surfac	3.562	0.074	0.011	0.049	0.092	3.444	3.77	Yes	0.052	3.306			
01564	1991	1992	8	149.12	0.074	0.044	0.044	Free Surfac	3.316	0.081	0.013	0.054	0.095	3.049	3.294	Yes	0.065	2.539			
01565	1682	1683	8	154.32	0.035	0.003	0.003	Free Surfac	1.146	0.028	0.001	0.019	0.025	1.803	2.272	No	0.019	1.146			
01566	1683	1684	8	158.7	0.064	0.006	0.006	Free Surfac	1.743	0.034	0.002	0.023	0.036	2.498	3.061	No	0.023	1.743			
01567	1684	1685	8	75.91	0.132	0.01	0.01	Free Surfac	2.542	0.034	0.002	0.023	0.044	3.609	4.409	Yes	0.027	2.04			
01568	1685	1686	8	83.8	0.132	0.013	0.013	Free Surfac	2.774	0.039	0.003	0.026	0.051	3.682	4.408	Yes	0.031	2.114			
01569	1686	1687	8	196.05	0.049	0.016	0.016	Free Surfac	2.101	0.055	0.006	0.037	0.057	2.351	2.679	Yes	0.041	1.762			
01570	1688	1687	8	201.43	0.057	0.003	0.003	Free Surfac	1.356	0.025	0.001	0.017	0.025	2.257	2.894	Yes	0.031	0.532			
01571	1689	1690	8	134.72	0.094	0.003	0.003	Free Surfac	1.609	0.022	0.001	0.015	0.025	2.837	3.705	Yes	0.03	0.575			
01572	1687	1690	8	235.65	0.049	0.022	0.022	Free Surfac	2.33	0.065	0.008	0.043	0.067	2.408	2.683	Yes	0.044	2.267			
01573	1690	1692	8	160.78	0.063	0.029	0.029	Free Surfac	2.745	0.068	0.009	0.046	0.076	2.754	3.044	Yes	0.052	2.288			
01574	1691	1692	8	205.67	0.05	0.003	0.003	Free Surfac	1.297	0.026	0.001	0.017	0.025	2.127	2.715	Yes	0.037	0.409			
01575	1692	1693	8	272.55	0.033	0.035	0.035	Free Surfac	2.319	0.088	0.016	0.059	0.084	2.048	2.19	No	0.059	2.319			
01576	1693	2513	8	184.53	0.069	0.038	0.038	Free Surfac	3.094	0.077	0.012	0.051	0.088	2.929	3.189	Yes	0.053	2.963			
01577	2513	2511	8	221.44	0.069	0.041	0.041	Free Surfac	3.163	0.08	0.013	0.053	0.092	2.935	3.179	Yes	0.056	2.943			
01578	2511	2509	8	136.29	0.059	0.054	0.054	Free Surfac	3.26	0.094	0.018	0.063	0.105	2.786	2.955	No	0.063	3.26			
01579	2509	2510	8	115.24	0.058	0.057	0.057	Free Surfac	3.289	0.097	0.02	0.065	0.108	2.763	2.919	Yes	0.065	3.289			
01580	2510	1694	8	77.22	0.065	0.06	0.06	Free Surfac	3.471	0.097	0.02	0.065	0.111	2.916	3.081	Yes	0.083	2.423			
01581	1694	1044	8	156.32	0.022	0.086	0.086	Free Surfac	2.663	0.148	0.047	0.099	0.133	1.8	1.815	No	0.099	2.663			
01582	1697	1698	8	125.66	0.024	0.003	0.003	Free Surfac	1.004	0.031	0.002	0.02	0.025	1.51	1.878	Yes	0.023	0.851			
01583	1698	2512	8	136.63	0.028	0.006	0.006	Free Surfac	1.31	0.041	0.003	0.027	0.036	1.706	2.03	Yes	0.027	1.308			
01584	2512	2511	8	232.41	0.04	0.01	0.01	Free Surfac	1.677	0.045	0.004	0.03	0.044	2.068	2.423	Yes	0.044	0.952			
01585	1696	1695	8	111.62	0.079	0.003	0.003	Free Surfac	1.518	0.023	0.001	0.016	0.025	2.625	3.406	Yes	0.02	1.038			
01586	1695	1047	8	222.16	0.077	0.006	0.006	Free Surfac	1.864	0.032	0.002	0.022	0.036	2.734	3.372	Yes	0.022	1.837			
01587	1048	1694	8	296.85	0.024	0.019	0.019	Free Surfac	1.735	0.071	0.01	0.047	0.062	1.708	1.879	Yes	0.074	0.9			
01588	1932	1933	8	340.02	0.008	0.007	0.007	Free Surfac	0.847	0.056	0.006	0.037	0.036	0.941	1.07	Yes	0.043	0.69			
01589	1933	1934	8	320.3	0.01	0.013	0.013	Free Surfac	1.154	0.073	0.011	0.048	0.051	1.123	1.232	Yes	0.054	0.994			
01590	1934	1935	8	333.12	0.01	0.02	0.02	Free Surfac	1.303	0.088	0.016	0.059	0.063	1.15	1.229	Yes	0.059	1.277			
01591	1935	1936	8	326.07	0.016	0.026	0.026	Free Surfac	1.67	0.09	0.017	0.06	0.073	1.454	1.549	Yes	0.079	1.116			
01592	1939	1938	8	405.12	0.011	0.007	0.007	Free Surfac	0.945	0.052	0.005	0.035	0.036	1.089	1.251	Yes	0.042	0.715			
01593	1938	1937	8	405.03	0.01	0.013	0.013	Free Surfac	1.133	0.074	0.011	0.049	0.051	1.096	1.2	Yes	0.052	1.04			
01594	1931	1930	8	328.49	0.008	0.007	0.007	Free Surfac	0.861	0.055	0.006	0.037	0.036	0.961	1.094	Yes	0.043	0.681			
01595	1930	1929	8	331.61	0.009	0.013	0.013	Free Surfac	1.114	0.074	0.011	0.05	0.051	1.072	1.171	Yes	0.056	0.927			
01596	1929	1928	8	330.14	0.008	0.02	0.02	Free Surfac	1.18	0.094	0.018	0.063	0.063	1.006	1.067	Yes	0.068	1.052			
01597	1937	1936	8	338.44	0.014	0.02	0.02	Free Surfac	1.44	0.082	0.014	0.055	0.063	1.315	1.419	Yes	0.077	0.881			
01598	1928	1927	8	215.79	0.007	0.026	0.026	Free Surfac	1.261	0.109	0.025	0.073	0.073	0.996	1.037	Yes	0.074	1.238			
01599	1898	1897	8	399.43	0.005	0.006	0.006	Free Surfac	0.709	0.056	0.006	0.038	0.033	0.784	0.89	Yes	0.047	0.504			
01600	1897	1896	8	386.98	0.005	0.011	0.011	Free Surfac	0.876	0.078	0.012	0.052	0.047	0.821	0.891	Yes	0.056	0.797			

01601	1896	1895	8	215.86	0.01	0.017	0.017	Free Surfac	1.248	0.081	0.013	0.054	0.058	1.149	1.241	Yes	0.072	0.819			
01602	1476	1241	8	400.65	0.005	0.017	0.017	Free Surfac	0.94	0.098	0.02	0.065	0.058	0.785	0.828	Yes	0.106	0.464			
01603	1626	2382	8	246.77	0.004	0.039	0.039	Free Surfac	1.191	0.149	0.048	0.099	0.089	0.802	0.807	Yes	0.136	0.757			
01604	1625	1626	8	251.29	0.005	0.033	0.033	Free Surfac	1.18	0.135	0.039	0.09	0.082	0.837	0.851	Yes	0.095	1.095			
01605	1624	1625	8	279.97	0.004	0.028	0.028	Free Surfac	1.026	0.131	0.037	0.087	0.075	0.738	0.753	Yes	0.09	0.987			
01606	1623	1624	8	236.88	0.006	0.022	0.022	Free Surfac	1.126	0.106	0.023	0.07	0.067	0.906	0.947	Yes	0.077	0.986			
01607	1627	1623	8	338.27	0.018	0.006	0.006	Free Surfac	1.085	0.042	0.003	0.028	0.033	1.386	1.641	Yes	0.048	0.499			
01608	1622	1623	8	387.01	0.01	0.011	0.011	Free Surfac	1.093	0.067	0.009	0.045	0.047	1.106	1.225	Yes	0.056	0.787			
01609	1477	1478	8	274.69	0.005	0.006	0.006	Free Surfac	0.701	0.057	0.006	0.038	0.033	0.772	0.876	Yes	0.043	0.579			
01610	1478	1476	8	399.81	0.005	0.011	0.011	Free Surfac	0.87	0.079	0.013	0.052	0.047	0.814	0.883	Yes	0.061	0.69			
01611	1621	1622	8	322.83	0.011	0.006	0.006	Free Surfac	0.92	0.047	0.004	0.032	0.033	1.112	1.296	Yes	0.039	0.672			
01612	1925	1924	8	176.18	0.013	0.006	0.006	Free Surfac	0.962	0.046	0.004	0.031	0.033	1.181	1.381	Yes	0.038	0.689			
01613	1924	1923	8	154.81	0.009	0.011	0.011	Free Surfac	1.05	0.069	0.01	0.046	0.047	1.048	1.156	Yes	0.052	0.884			
01614	1923	1922	8	212.56	0.008	0.017	0.017	Free Surfac	1.137	0.086	0.015	0.058	0.058	1.014	1.087	Yes	0.062	1.03			
01615	1553	2474	10	336.33	0.003	0.098	0.098	Free Surfac	1.308	0.195	0.083	0.163	0.134	0.684	1.177	Yes	0.278	0.615			
01616	2475	2474	8	400.27	0.069	0.18	0.18	Free Surfac	4.922	0.161	0.056	0.108	0.194	3.18	3.18	Yes	0.25	1.498			
01617	2474	1635	8	401.35	0.005	0.571	0.571	Free Surfac	2.634	0.596	0.665	0.397	0.355	0.806	0.859	No	0.397	2.634			
01619	1554	1553	10	115.2	0.02	0.09	0.09	Free Surfac	2.51	0.117	0.029	0.098	0.128	1.712	3.09	Yes	0.13	1.655			
01620	1556	1557	8	301.08	0.041	0.073	0.073	Free Surfac	3.144	0.119	0.03	0.079	0.123	2.38	2.455	No	0.079	3.144			
01621	2623	1556	8	347.98	0.073	0.065	0.065	Free Surfac	3.703	0.098	0.02	0.065	0.116	3.094	3.264	Yes	0.074	3.072			
01622	1555	2623	8	133.2	0.031	0.008	0.008	Free Surfac	1.472	0.045	0.004	0.03	0.04	1.83	2.149	Yes	0.047	0.741			
01623	2624	2623	8	290.93	0.009	0.049	0.049	Free Surfac	1.632	0.141	0.043	0.094	0.1	1.131	1.145	No	0.094	1.632			
01624	1565	1564	8	265.37	0.022	0.09	0.09	Free Surfac	2.695	0.152	0.05	0.101	0.136	1.799	1.809	No	0.101	2.695			
01625	1558	1552	8	250.2	0.037	0.147	0.147	Free Surfac	3.719	0.17	0.063	0.114	0.175	2.335	2.324	Yes	0.136	2.875			
01626	1552	1551	8	192.02	0.011	0.155	0.155	Free Surfac	2.486	0.235	0.121	0.156	0.18	1.319	1.285	No	0.156	2.486			
01627	1642	1558	8	314.33	0.037	0.008	0.008	Free Surfac	1.554	0.043	0.004	0.029	0.04	1.968	2.323	Yes	0.073	0.39			
01628	1636	2475	8	400.64	0.04	0.171	0.171	Free Surfac	4.015	0.18	0.071	0.12	0.19	2.451	2.428	No	0.12	4.015			
01629	1551	1636	8	399.22	0.049	0.163	0.163	Free Surfac	4.251	0.167	0.061	0.111	0.185	2.696	2.687	Yes	0.114	4.13			
01630	1559	1560	8	322.37	0.083	0.024	0.024	Free Surfac	2.888	0.06	0.007	0.04	0.07	3.106	3.5	Yes	0.042	2.621			
01631	1563	1559	8	106.68	0.006	0.016	0.016	Free Surfac	0.999	0.093	0.018	0.062	0.057	0.857	0.91	No	0.062	0.999			
01632	1562	1563	8	148.81	0.01	0.008	0.008	Free Surfac	0.981	0.059	0.007	0.039	0.04	1.063	1.199	Yes	0.05	0.692			
01633	1560	1558	8	115.02	0.073	0.033	0.033	Free Surfac	3.012	0.07	0.01	0.047	0.081	2.978	3.279	Yes	0.082	1.317			
01634	1567	1565	8	400.73	0.044	0.073	0.073	Free Surfac	3.231	0.117	0.029	0.078	0.123	2.47	2.553	Yes	0.091	2.584			
01635	1568	1567	8	229.56	0.004	0.065	0.065	Free Surfac	1.386	0.193	0.081	0.128	0.116	0.816	0.804	No	0.128	1.386			
01636	1561	1568	8	149.78	0.03	0.057	0.057	Free Surfac	2.597	0.114	0.027	0.076	0.108	2.008	2.081	Yes	0.102	1.696			
01637	1569	1561	8	224.26	0.007	0.049	0.049	Free Surfac	1.534	0.147	0.047	0.098	0.1	1.04	1.048	No	0.098	1.534			
01638	1573	1569	8	163.13	0.086	0.016	0.016	Free Surfac	2.583	0.049	0.005	0.033	0.057	3.071	3.56	Yes	0.066	0.912			
01639	1574	1573	8	147.65	0.097	0.008	0.008	Free Surfac	2.179	0.034	0.002	0.023	0.04	3.094	3.779	Yes	0.026	1.786			
01640	1570	1569	8	165.53	0.006	0.024	0.024	Free Surfac	1.169	0.11	0.026	0.073	0.07	0.919	0.956	Yes	0.086	0.922			
01641	1566	1565	8	194.66	0.044	0.008	0.008	Free Surfac	1.657	0.041	0.003	0.028	0.04	2.145	2.548	Yes	0.065	0.461			
01642	1498	1494	8	120.8	0.063	0.017	0.017	Free Surfac	2.324	0.053	0.005	0.035	0.058	2.651	3.037	Yes	0.096	0.535			
01643	1497	1498	8	239.78	0.032	0.008	0.008	Free Surfac	1.487	0.045	0.004	0.03	0.041	1.844	2.164	Yes	0.032	1.353			
01645	1493	1494	8	180.66	0.023	0.166	0.166	Free Surfac	3.276	0.203	0.09	0.135	0.187	1.878	1.845	Yes	0.146	2.933			
01646	1492	1493	8	142.44	0.007	0.158	0.158	Free Surfac	2.13	0.265	0.153	0.177	0.182	1.058	1.027	No	0.177	2.13			
01647	1494	1479	8	293.82	0.034	0.274	0.274	Free Surfac	4.359	0.236	0.122	0.157	0.242	2.306	2.246	Yes	0.164	4.113			
01648	1479	1480	8	259.46	0.026	0.282	0.282	Free Surfac	3.973	0.257	0.145	0.171	0.246	2.006	1.948	Yes	0.176	3.842			
01649	1480	1481	8	321.1	0.022	0.29	0.29	Free Surfac	3.789	0.271	0.161	0.181	0.249	1.857	1.802	Yes	0.188	3.586			
01650	1481	1482	8	320.09	0.017	0.299	0.299	Free Surfac	3.482	0.294	0.189	0.196	0.253	1.634	1.583	Yes	0.198	3.441			
01651	1764	1494	8	383.67	0.005	0.083	0.083	Free Surfac	1.535	0.212	0.099	0.141	0.131	0.859	0.841	Yes	0.149	1.423			
01652	1504	1500	8	240.75	0.009	0.008	0.008	Free Surfac	0.958	0.06	0.007	0.04	0.041	1.023	1.151	Yes	0.069	0.434			
01653	1500	1491	8	112.76	0.012	0.058	0.058	Free Surfac	1.882	0.144	0.044	0.096	0.109	1.291	1.305	Yes	0.132	1.183			
01654	1501	1500	8	302.04	0.031	0.041	0.041	Free Surfac	2.404	0.097	0.019	0.064	0.092	2.025	2.14	Yes	0.081	1.717			
01655	1502	1501	8	294.07	0.047	0.025	0.025	Free Surfac	2.379	0.069	0.009	0.046	0.071	2.381	2.63	Yes	0.054	1.868			
01656	1499	1492	8	314.55	0.034	0.008	0.008	Free Surfac	1.523	0.044	0.004	0.03	0.041	1.904	2.24	Yes	0.104	0.239			
01658	1503	1502	8	120.18	0.126	0.008	0.008	Free Surfac	2.394	0.033	0.002	0.022	0.041	3.489	4.297	Yes	0.035	1.167			
01659	1491	1492	8	220.63	0.007	0.141	0.141	Free Surfac	2.014	0.255	0.142	0.17	0.172	1.022	0.993	Yes	0.174	1.943			
01660	1495	1496	8	249.07	0.071	0.008	0.008	Free Surfac	1.965	0.037	0.003	0.025	0.041	2.68	3.234	Yes	0.034	1.249			
01661	1496	1764	8	264.07	0.042	0.017	0.017	Free Surfac	2.022	0.058	0.007	0.039	0.058	2.199	2.486	Yes	0.088	0.609			
01662	1767	1768	8	328.91	0.089	0.008	0.008	Free Surfac	2.122	0.035	0.002	0.024	0.041	2.969	3.611	Yes	0.035	1.193			
01663	1768	1763	8	190.41	0.033	0.017	0.017	Free Surfac	1.866	0.062	0.007	0.041	0.058	1.975	2.215	Yes	0.069	0.877			
01665	1765	1763	8	285.04	0.006	0.025	0.025	Free Surfac	1.131	0.114	0.027	0.076	0.071	0.875	0.906	Yes	0.086	0.944			
01666	1763	1483	8	201.14	0.007	0.05	0.05	Free Surfac	1.504	0.151	0.049	0.101	0.101	1.006	1.012	Yes	0.108	1.361			
01667	1482	1540	8	359.76	0.018	0.307	0.307	Free Surfac	3.564	0.295	0.19	0.197	0.257	1.669	1.617	Yes	0.667	0.879			
01668	1486	1487	8	242.45	0.003	0.008	0.008	Free Surfac	0.654	0.078	0.012	0.052	0.041	0.613	0.665	Yes	0.067	0.456			
01669	1487	1488	8	152.38	0.008	0.033	0.033	Free Surfac	1.374	0.121	0.031	0.081	0.082	1.028	1.058	Yes	0.094	1.098			
01670	1648	1487	8	241.2	0.004	0.017	0.017	Free Surfac	0.882	0.102	0.022	0.068	0.058	0.721	0.756	Yes	0.075	0.772			
01671	1488	1489	8	228.88	0.004	0.041	0.041	Free Surfac	1.16	0.159	0.055	0.106	0.092	0.755	0.756	Yes	0.115	1.032			
01672	1506	1489	8	128.7	0.006	0.017	0.017	Free Surfac	1.052	0.091	0.017	0.061	0.058	0.914	0.973	Yes	0.092	0.568			
01673	1505	1506	8	300.54	0.008	0.008	0.008	Free Surfac	0.922	0.062	0.008	0.041	0.041	0.971	1.088	Yes	0.053	0.633			
01674	1489	1490	8	205.71	0.005	0.066	0.066	Free Surfac	1.485	0.186	0.075	0.124	0.117	0.892	0.881	No	0.124	1.485			
01675	1490	1491	8	302.11	0.008	0.075	0.075	Free Surfac	1.785	0.177	0.069	0.118	0.124	1.098	1.089	Yes	0.143	1.354			
01676	1507	1648	8	226.55	0.023	0.008	0.008	Free Surfac	1.323	0.049	0.005	0.032	0.041	1.577	1.83	Yes	0.049	0.728			
01677	1508	1511	8	294.58	0.004	0.103	0.103	Free Surfac	1.588	0.241	0.128	0.161	0.146	0.83	0.808	No	0.161	1.588			
01678	1509	1508	8	312.9	0.034	0.041	0.041	Free Surfac	2.461	0.095	0.019	0.063	0.092	2.094	2.218	Yes	0.112	1.066			
01679	1510	1509	8	246.24	0.055	0.031	0.031	Free Surfac	2.68	0.073	0.011	0.049	0.079	2.595	2.841	Yes	0.056	2.195			
01680	1525	1510	8	249.66	0.042	0.005	0.005	Free Surfac	1.411	0.034	0.002	0.023	0.032	2.02	2.474	Yes	0.036	0.717			
01681	1514	1509	8	227.41	0.017	0.005	0.005	Free Surfac	1.031	0.042	0.003	0.028	0.032	1.329	1.576	Yes	0.045	0.498			
01682	1516	1539	8	220.97	0.036	0.021	0.021	Free Surfac	2.044	0.067	0.009	0.045	0.065	2.073	2.298	Yes	0.045	2.01			
01683	1512	1516	8	146.54	0.042	0.015	0.015	Free Surfac	1.971	0.057	0.006	0.038	0.056	2.177	2.471	Yes	0.039	1.854			
01684	1515	1512	8	307.84	0.027	0.01	0.01	Free Surfac	1.501	0.052	0.005	0.034	0.046	1.735	1.995	No	0.034	1.501			
01685	1513	1515	8	232.31	0.005	0.005	0.005	Free Surfac	0.674	0.056	0.006	0.037	0.032	0.751	0.855	No	0.037	0.674			
01687	1518	1519	8	324.33	0.035	0.118	0.118	Free Surfac	3.431	0.155	0.052	0.104	0.157	2.261	2.269	Yes	0.145	2.113			
01688	1517	1511	8	94.46	0.036	0.005	0.005	Free Surfac	1.335	0.035	0.002	0.023	0.032	1.876	2.285	Yes	0.083	0.204			
01689	1484	1536	8	279.95	0.005	0.16	0.16	Free Surfac	1.891	0.291	0.185	0.194	0.183	0.893	0.865	Yes	0.2	1.81			
01690	1485	1484	8	286.95	0.008	0.129	0.129	Free Surfac	2.125	0.23	0.116	0.153	0.164	1.139	1.111	Yes	0.176	1.753			
01691	1539	1484	8	153.57	0.042	0.026	0.026	Free Surfac	2.305	0.072	0.01	0.048	0.072	2.255	2.476	Yes	0.123	0.582			
01692	1522	1521	8	132.39	0.03	0.082	0.082	Free Surfac	2.911	0.135	0.039	0.09	0.13	2.06	2.094	Yes	0.104	2.383			
01693	1523	1522	8	94.63	0.009	0.037	0.037	Free Surfac	1.483	0.124	0.033	0.083	0.087	1.097	1.126	Yes	0.085	1.429			
01694	1524	1523	8	125.34	0.006	0.032	0.032	Free Surfac	1.221	0.128	0.035	0.085	0.081	0.889	0.909	No	0.085	1.221			
01695	1526	1524	8	161.14	0.055	0.027	0.027	Free Surfac	2.571	0.069	0.009	0.046	0.074	2.577	2.848	Yes	0.064	1.576			
01696	1521	1800	8	117.44	0.01	0.088	0.088	Free Surfac	2.033	0.181	0.071	0.121	0.134	1.237	1.225	No	0.121	2.033			
01697	1520	1536	8	400.37	0.037	0.108	0.108	Free Surfac	3.41	0.146	0.046	0.098	0.15	2.317	2.338	Yes	0.152	1.804			
01698	1528	1520	8	143.68	0.034	0.103	0.103	Free Surfac	3.253	0.146	0.046	0.098	0.146	2.211	2.231	Yes	0.099	3.181			
01699	1527	1528	8	244.01	0.05	0.098	0.098	Free Surfac	3.669	0.13	0.036	0.087	0.142	2.651	2.708	Yes	0.09	3.467			
01700	1800	1527	8	245.85	0.078	0.093	0.093	Free Surfac	4.212	0.114	0.027	0.076	0.138	3.257	3.375	Yes	0.083	3.73			
01701	1536	1534	8	280.05	0.011	0.273	0.273	Free Surfac	2.903	0.314	0.214	0.21	0.241	1.313	1.273	Yes	0.213	2.838			
01702	1534	1533	8	211.06	0.011	0.288	0.288	Free Surfac	2.932	0.325	0.228	0.217	0.248	1.302	1.263	Yes	0.219	2.881			
01703	1533	1532	8	270.88	0.011	0.293	0.293	Free Surfac	2.927	0.33	0.235	0.22	0.251	1.29	1.251	Yes	0.234	2.689			
01704	1529	1534	8	303.52	0.04	0.01	0.01	Free Surfac	1.722	0.047	0.004	0.031	0.046	2.087	2.432	Yes	0.124	0.23			
01705	1532	1784	8	279.93	0.011	0.371	0.371	Free Surfac	3.132	0.372	0.295	0.248	0.283	1.288	1.256	Yes	0.271	2.782			
01706	1535	1531	8	261.58	0.019	0.005	0.005	Free Surfac	1.066	0.041	0.003	0.027	0.032	1.388	1.652	Yes	0.058	0.351			
01707	1772	1531	8	315.08	0.042	0.062	0.062	Free Surfac	2.997	0.109	0.025	0.073	0.113	2.371	2.47	Yes	0.08	2.589			
01708	1773	1772	8	154.94	0.02	0.01	0.01	Free Surfac	1.355	0.055	0.006	0.037	0.046	1.512	1.722	Yes	0.054	0.77			
01709	1796	1773	8	102.33	0.021	0.005	0.005	Free Surfac	1.103	0.04	0.003	0.027	0.032	1.454	1.737	Yes	0.034	0.782			
01710	1771	1772	8	254.08	0.048	0.046	0.046	Free Surfac	2.883	0.092	0.018	0.061	0.097	2.488	2.645	Yes	0.066	2.569			
01711	1774	1771	8	196.11	0.079	0.005	0.005	Free Surfac	1.761	0.029	0.002	0.019	0.032	2.719	3.407	Yes	0.039	0.626			
01712	1770	1771	8	266.35	0.049	0.036	0.036	Free Surfac	2.696	0.081	0.013	0.054	0.086	2.479	2.678	Yes	0.056	2.542			
01713	1779	1770	8	305.12	0.024	0.021	0.021	Free Surfac	1.774	0.074	0.011	0.049	0.065	1.713	1.874	Yes	0.051	1.676			
01714	1778	1779	8	79.08	0.02	0.015	0.015	Free Surfac	1.519	0.067	0.009	0.045	0.056	1.535	1.7	Yes	0.045	1.501			
01715	1777	1778	8	172.61	0.037	0.01	0.01	Free Surfac	1.675	0.048	0.004	0.032	0.046	2.01	2.336	Yes	0.037	1.374			
01716	1776	1777	8	120.22	0.034	0.005	0.005	Free Surfac	1.309	0.036	0.002	0.024	0.032	1.828	2.222	Yes	0.029	0.969			
01717	1769	1770	8	393.34	0.042	0.01	0.01	Free Surfac	1.751	0.047	0.004	0.031	0.046	2.133	2.49	Yes	0.042	1.118			
01718	1775	1769	8	152.26	0.02	0.005	0.005	Free Surfac	1.095	0.04	0.003	0.027	0.032	1.44	1.718	Yes	0.03	0.925			
01719	1531	1532	8	305.14	0.031	0.072	0.072	Free Surfac	2.84	0.126	0.034	0.084	0.122	2.089	2.141	Yes	0.166	1.064			
01720	1785	1784	8	366.62	0.032	0.01	0.01	Free Surfac	1.582	0.05	0.005	0.033	0.046	1.862	2.151	Yes	0.164	0.155			
01721	1786	1785	8	390.49	0.061	0.005	0.005	Free Surfac	1.609	0.031	0.002	0.021	0.032	2.409	2.991	Yes	0.025	1.227			
01722	1781	1788	8	111.83	0.039	0.021	0.021	Free Surfac	2.095	0.066	0.009	0.044	0.065	2.142	2.38	No	0.044	2.095			
01723	1789	1781	8	109.31	0.01	0.005	0.005	Free Surfac	0.848	0.048	0.004	0.032	0.032	1.022	1.189	Yes	0.039	0.622			
01724	1780	1781	8	249.78	0.04	0.01	0.01	Free Surfac	1.715	0.047	0.004	0.032	0.046	2.075	2.417	Yes	0.039	1.249			
01725	1787	1780	8	269.19	0.022	0.005	0.005	Free Surfac	1.122	0.039	0.003	0.026	0.032	1.488	1.781	Yes	0.031	0.874			
01726	1782	1783	8	376.71	0.009	0.031	0.031	Free Surfac	1.403	0.114	0.027	0.076	0.079	1.085	1.124	No	0.076	1.403			
01727	1788	1782	8	137.8	0.061	0.026	0.026	Free Surfac	2.63	0.066	0.009	0.044	0.072	2.693	2.993	Yes	0.059	1.678			
01728	1783	1784	8	106.93	0.02	0.036	0.036	Free Surfac	1.98	0.1	0.021	0.067	0.086	1.637	1.722	Yes	0.18	0.473			
01729	1791	1792	8	70.23	0.016	0.006	0.006	Free Surfac	1.038	0.045	0.004	0.03	0.034	1.288	1.511	Yes	0.035	0.813			
01730	1651	1797	8	396.67	0.022	0.04	0.04	Free Surfac	2.098	0.104	0.023	0.069	0.091	1.699	1.779	Yes	0.072	1.989			
01731	1794	1651	8	130.08	0.042	0.006	0.006	Free Surfac	1.467	0.036	0.002	0.024	0.034	2.046	2.487	Yes	0.047	0.533			
01732	1790	1651	8	267.72	0.021	0.029	0.029	Free Surfac	1.893	0.089	0.016	0.059	0.077	1.663	1.776	Yes	0.065	1.661			

01733	1793	1790	8	217.02	0.049	0.023	0.023	Free Surfac	2.353	0.066	0.009	0.044	0.068	2.406	2.674	Yes	0.051	1.897			
01734	1792	1793	8	200.84	0.052	0.017	0.017	Free Surfac	2.201	0.057	0.006	0.038	0.059	2.427	2.754	Yes	0.039	2.086			
01735	1350	1349	8	343.72	0.008	0.087	0.087	Pressurized	1.851	0.192	0.081	0.128	0.134	1.092	1.077	Yes	0.667	0.248			
01736	1351	1350	8	267.32	0.003	0.052	0.052	Pressurized	1.137	0.189	0.078	0.126	0.103	0.677	0.668	Yes	0.667	0.149			
01737	1352	1350	8	297.1	0.021	0.029	0.029	Free Surfac	1.867	0.09	0.017	0.06	0.077	1.632	1.741	Yes	0.667	0.083			
01739	1797	1351	8	231.83	0.021	0.046	0.046	Free Surfac	2.16	0.112	0.026	0.075	0.097	1.686	1.751	Yes	0.667	0.133			
01741	1639	1352	8	286.6	0.012	0.023	0.023	Free Surfac	1.439	0.092	0.018	0.061	0.068	1.241	1.32	No	0.061	1.439			
01742	1353	1349	8	219.03	0.026	0.006	0.006	Pressurized	1.234	0.04	0.003	0.027	0.034	1.623	1.938	Yes	0.667	0.017			
01743	1355	1798	8	93.22	0.01	0.012	0.012	Free Surfac	1.098	0.069	0.01	0.046	0.048	1.096	1.21	Yes	0.058	0.777			
01744	1798	1639	8	352.41	0.004	0.017	0.017	Free Surfac	0.882	0.106	0.023	0.07	0.059	0.709	0.742	No	0.07	0.882			
01745	1348	1343	8	166.96	0.007	0.11	0.11	Pressurized	1.886	0.224	0.11	0.149	0.151	1.027	1.003	Yes	0.667	0.315			
01746	1354	1348	8	166.62	0.021	0.006	0.006	Pressurized	1.145	0.042	0.003	0.028	0.034	1.468	1.74	Yes	0.667	0.017			
01747	1349	1348	8	248.18	0.012	0.098	0.098	Pressurized	2.226	0.184	0.074	0.123	0.143	1.342	1.327	Yes	0.667	0.282			
01748	1385	1801	8	211.99	0.011	0.51	0.51	Free Surfac	3.434	0.441	0.402	0.294	0.334	1.278	1.267	Yes	0.339	2.855			
01749	1392	1385	8	170.17	0.006	0.036	0.036	Free Surfac	1.304	0.133	0.038	0.089	0.086	0.93	0.947	Yes	0.192	0.434			
01750	1386	1385	8	114.88	0.007	0.469	0.469	Free Surfac	2.907	0.47	0.449	0.313	0.32	1.041	1.043	No	0.313	2.907			
01751	1390	1391	8	403	0.003	0.026	0.026	Free Surfac	0.889	0.138	0.041	0.092	0.072	0.624	0.634	No	0.092	0.889			
01752	1389	1390	8	300.2	0.022	0.015	0.015	Free Surfac	1.569	0.066	0.009	0.044	0.056	1.603	1.781	Yes	0.066	0.86			
01753	1388	1389	8	340.85	0.029	0.005	0.005	Free Surfac	1.244	0.037	0.002	0.025	0.032	1.707	2.065	Yes	0.033	0.8			
01754	1394	1389	8	156.29	0.009	0.005	0.005	Free Surfac	0.826	0.048	0.004	0.032	0.032	0.987	1.146	Yes	0.037	0.678			
01755	1393	1390	8	152.79	0.012	0.005	0.005	Free Surfac	0.91	0.045	0.004	0.03	0.032	1.124	1.317	Yes	0.059	0.337			
01756	2628	1386	8	395.72	0.027	0.463	0.463	Free Surfac	4.624	0.329	0.234	0.22	0.318	2.037	1.977	Yes	0.268	3.533			
01757	2627	2628	8	387.78	0.019	0.458	0.458	Free Surfac	4.071	0.359	0.275	0.239	0.316	1.71	1.665	No	0.239	4.071			
01758	1391	1392	8	120.74	0.007	0.031	0.031	Free Surfac	1.331	0.118	0.03	0.079	0.079	1.01	1.043	Yes	0.086	1.172			
01759	1387	2627	8	213.14	0.009	0.005	0.005	Free Surfac	0.833	0.048	0.004	0.032	0.032	0.998	1.159	Yes	0.136	0.101			
01760	1863	2627	8	154.21	0.005	0.021	0.021	Free Surfac	1.017	0.108	0.024	0.072	0.065	0.81	0.845	Yes	0.155	0.333			
01761	1409	1408	8	243.75	0.113	0.005	0.005	Free Surfac	1.993	0.027	0.001	0.018	0.032	3.207	4.07	Yes	0.037	0.675			
01762	1637	1421	8	257.65	0.006	0.006	0.006	Free Surfac	0.726	0.057	0.006	0.038	0.034	0.798	0.904	Yes	0.667	0.017			
01763	1421	2568	8	250.86	0.009	0.011	0.011	Pressurized	1.018	0.068	0.009	0.046	0.046	1.023	1.131	Yes	0.667	0.03			
01764	1414	1415	8	300.42	0.005	0.005	0.005	Free Surfac	0.647	0.054	0.006	0.036	0.031	0.731	0.835	Yes	0.042	0.518			
01765	1420	2568	8	275.22	0.005	0.052	0.052	Pressurized	1.373	0.166	0.06	0.111	0.103	0.874	0.872	Yes	0.667	0.15			
01766	1419	1420	8	265.78	0.004	0.043	0.043	Pressurized	1.158	0.163	0.057	0.108	0.093	0.745	0.744	Yes	0.667	0.122			
01767	1418	1419	8	269.99	0.005	0.033	0.033	Free Surfac	1.211	0.133	0.038	0.088	0.082	0.867	0.883	Yes	0.64	0.097			
01768	1417	1418	8	275.2	0.006	0.024	0.024	Free Surfac	1.146	0.109	0.025	0.073	0.069	0.905	0.942	Yes	0.082	0.959			
01769	1416	1417	8	255.14	0.007	0.014	0.014	Free Surfac	1.038	0.083	0.014	0.055	0.054	0.945	1.019	Yes	0.062	0.881			
01770	1422	1420	8	385.87	0.007	0.005	0.005	Free Surfac	0.731	0.05	0.005	0.033	0.031	0.861	0.995	Yes	0.667	0.014			
01771	1423	1419	8	372.58	0.005	0.005	0.005	Free Surfac	0.658	0.054	0.006	0.036	0.031	0.747	0.855	Yes	0.613	0.014			
01772	1424	1418	8	365.96	0.007	0.005	0.005	Free Surfac	0.722	0.05	0.005	0.034	0.031	0.847	0.978	Yes	0.063	0.286			
01773	1425	1417	8	370.73	0.005	0.005	0.005	Free Surfac	0.664	0.053	0.005	0.035	0.031	0.756	0.866	Yes	0.052	0.38			
01774	1415	1416	8	248.76	0.005	0.01	0.01	Free Surfac	0.79	0.076	0.012	0.05	0.044	0.754	0.823	Yes	0.051	0.77			
01776	1438	1439	8	143.35	0.004	0.005	0.005	Pressurized	0.617	0.056	0.006	0.037	0.031	0.686	0.78	Yes	0.667	0.014			
01777	1439	1440	8	355.78	0.004	0.01	0.01	Pressurized	0.747	0.078	0.013	0.052	0.044	0.699	0.759	Yes	0.667	0.027			
01778	1440	1441	8	370.09	0.004	0.014	0.014	Pressurized	0.885	0.092	0.018	0.061	0.054	0.763	0.811	Yes	0.667	0.041			
01779	1441	1588	8	402.94	0.006	0.019	0.019	Pressurized	1.066	0.099	0.02	0.066	0.062	0.887	0.935	Yes	0.667	0.054			
01780	1437	1436	8	375.29	0.004	0.005	0.005	Pressurized	0.61	0.056	0.006	0.038	0.031	0.676	0.767	Yes	0.667	0.014			
01781	1436	1435	8	126.01	0.002	0.01	0.01	Pressurized	0.538	0.098	0.02	0.065	0.044	0.449	0.473	Yes	0.667	0.027			
01782	1435	1434	8	216.97	0.009	0.014	0.014	Pressurized	1.107	0.079	0.013	0.053	0.054	1.032	1.119	Yes	0.667	0.041			
01783	1434	1433	12	201.11	0.006	0.019	0.019	Pressurized	1.001	0.059	0.007	0.059	0.056	0.881	2.736	Yes	1	0.024			
01784	1432	1433	12	320.96	0.001	6.272	6.272	Pressurized	7.986	1	5.476	1	0.451	1.407	1.145	Yes	1	7.986	19.30	21	2
01785	1206	1584	8	138.45	0.026	0.012	0.012	Pressurized	1.57	0.057	0.006	0.038	0.05	1.736	1.97	Yes	0.667	0.035			
01786	1201	1206	8	141.39	0.004	0.006	0.006	Pressurized	0.647	0.064	0.008	0.043	0.035	0.669	0.745	Yes	0.667	0.018			
01787	1202	1201	8	284.93	0.005	0.004	0.004	Pressurized	0.62	0.05	0.005	0.034	0.029	0.725	0.837	Yes	0.667	0.012			
01788	1203	1202	8	104.07	0.006	0.002	0.002	Pressurized	0.549	0.034	0.002	0.023	0.02	0.781	0.954	Yes	0.667	0.006			
01789	1205	1206	8	160.63	0.005	0.004	0.004	Pressurized	0.63	0.05	0.005	0.033	0.029	0.742	0.858	Yes	0.667	0.012			
01790	1204	1205	8	236.07	0.006	0.002	0.002	Pressurized	0.545	0.035	0.002	0.023	0.02	0.772	0.943	Yes	0.667	0.006			
01791	1226	2584	10	383.92	0.002	0.07	0.07	Pressurized	0.986	0.188	0.077	0.157	0.113	0.526	0.907	Yes	0.833	0.129			
01792	1223	1541	8	330.17	0.006	0.005	0.005	Free Surfac	0.692	0.052	0.005	0.035	0.031	0.799	0.919	Yes	0.049	0.412			
01793	1541	1224	8	292.68	0.002	0.01	0.01	Free Surfac	0.563	0.095	0.019	0.063	0.044	0.478	0.506	Yes	0.066	0.529			
01794	1224	1225	8	302.56	0.003	0.014	0.014	Free Surfac	0.749	0.103	0.022	0.069	0.054	0.609	0.638	Yes	0.073	0.687			
01795	1225	2351	8	309.53	0.003	0.019	0.019	Free Surfac	0.845	0.116	0.028	0.077	0.062	0.649	0.671	Yes	0.192	0.228			
01796	1228	1229	10	291.36	0.01	0.005	0.005	Free Surfac	0.818	0.034	0.002	0.029	0.029	1.042	2.225	Yes	0.678	0.01			
01797	1238	1226	10	233.78	0.004	0.057	0.057	Pressurized	1.275	0.136	0.04	0.114	0.102	0.804	1.427	Yes	0.833	0.105			
01798	1229	1238	10	279.19	0.002	0.01	0.01	Pressurized	0.587	0.068	0.009	0.057	0.041	0.527	1.017	Yes	0.833	0.017			
01799	1237	1238	8	233.77	0.003	0.043	0.043	Pressurized	1.118	0.167	0.06	0.111	0.093	0.71	0.708	Yes	0.667	0.122			
01800	1234	1237	8	251.39	0.006	0.029	0.029	Free Surfac	1.204	0.12	0.03	0.08	0.076	0.908	0.935	Yes	0.605	0.086			
01801	1236	1237	8	376.91	0.005	0.01	0.01	Free Surfac	0.818	0.074	0.011	0.049	0.044	0.79	0.864	Yes	0.589	0.029			
01802	1542	1234	8	250.47	0.006	0.014	0.014	Free Surfac	0.987	0.086	0.015	0.057	0.054	0.884	0.949	Yes	0.067	0.784			
01803	1231	1542	8	375.68	0.004	0.01	0.01	Free Surfac	0.753	0.078	0.012	0.052	0.044	0.706	0.767	Yes	0.052	0.745			
01804	1233	1234	8	380.41	0.005	0.01	0.01	Free Surfac	0.789	0.076	0.012	0.05	0.044	0.753	0.821	Yes	0.063	0.563			
01805	1235	1236	8	375.96	0.006	0.005	0.005	Free Surfac	0.704	0.051	0.005	0.034	0.031	0.819	0.943	Yes	0.041	0.535			
01806	1232	1233	8	375.38	0.011	0.005	0.005	Free Surfac	0.853	0.045	0.004	0.03	0.031	1.059	1.243	Yes	0.04	0.551			
01807	1230	1231	8	381.43	0.005	0.005	0.005	Free Surfac	0.671	0.053	0.005	0.035	0.031	0.768	0.88	Yes	0.044	0.475			
01808	2351	1227	10	370.94	0.005	0.004	0.004	Free Surfac	0.592	0.036	0.002	0.03	0.026	0.737	1.564	Yes	0.833	0.007			
01809	1227	1226	10	379.14	0.002	0.008	0.008	Pressurized	0.544	0.066	0.009	0.055	0.039	0.496	0.962	Yes	0.833	0.015			
01810	2353	2352	8	254.51	0.006	0.043	0.043	Pressurized	1.391	0.145	0.045	0.097	0.094	0.951	0.961	Yes	0.667	0.124			
01811	1251	1246	8	239.13	0.003	0.014	0.014	Free Surfac	0.793	0.098	0.02	0.065	0.053	0.663	0.699	Yes	0.667	0.04			
01812	1250	1251	8	398.36	0.003	0.009	0.009	Free Surfac	0.664	0.084	0.014	0.056	0.043	0.6	0.646	Yes	0.187	0.116			
01813	1242	1216	8	237.94	0.003	0.019	0.019	Free Surfac	0.796	0.119	0.03	0.079	0.061	0.602	0.621	Yes	0.489	0.068			
01814	1244	1217	8	285.81	0.003	0.005	0.005	Free Surfac	0.515	0.062	0.008	0.042	0.031	0.542	0.607	Yes	0.39	0.022			
01815	1245	1218	8	290.65	0.003	0.005	0.005	Free Surfac	0.541	0.06	0.007	0.04	0.031	0.578	0.65	Yes	0.613	0.014			
01816	1246	1219	8	243.55	0.004	0.019	0.019	Pressurized	0.94	0.106	0.024	0.071	0.061	0.754	0.787	Yes	0.667	0.053			
01817	1262	1243	8	396.70	0.001	0.009	0.009	Free Surfac	0.519	0.099	0.021	0.066	0.043	0.431	0.454	No	0.066	0.519			
01818	1243	1242	8	235.46	0.003	0.014	0.014	Free Surfac	0.777	0.099	0.021	0.066	0.053	0.645	0.679	Yes	0.122	0.321			
01819	1261	1260	8	278.45	0.005	0.002	0.002	Free Surfac	0.508	0.036	0.002	0.024	0.02	0.704	0.854	Yes	0.027	0.419			
01820	1259	1262	8	148.18	0.005	0.005	0.005	Free Surfac	0.677	0.052	0.005	0.035	0.031	0.781	0.898	Yes	0.052	0.365			
01821	1263	1264	8	246.39	0.006	0.035	0.035	Free Surfac	1.308	0.13	0.036	0.087	0.084	0.946	0.966	Yes	0.667	0.1			
01822	1264	1265	8	246.53	0.004	0.037	0.037	Pressurized	1.085	0.154	0.051	0.102	0.087	0.719	0.722	Yes	0.667	0.106			
01823	1267	1263	8	298.76	0.004	0.029	0.029	Free Surfac	1.021	0.135	0.039	0.09	0.076	0.724	0.737	Yes	0.309	0.181			
01824	1268	1269	8	234.38	0.005	0.002	0.002	Free Surfac	0.507	0.036	0.002	0.024	0.02	0.701	0.85	Yes	0.029	0.383			
01825	1269	1475	8	138.2	0.008	0.004	0.004	Free Surfac	0.728	0.045	0.004	0.03	0.029	0.9	1.055	Yes	0.045	0.409			
01826	1474	1475	8	138.72	0.006	0.004	0.004	Free Surfac	0.652	0.049	0.005	0.032	0.029	0.777	0.901	Yes	0.046	0.394			
01827	1475	1267	8	343.17	0.002	0.01	0.01	Free Surfac	0.634	0.092	0.018	0.062	0.045	0.546	0.581	Yes	0.075	0.475			
01828	1473	1474	8	181.98	0.005	0.002	0.002	Free Surfac	0.5	0.037	0.002	0.024	0.02	0.689	0.834	Yes	0.029	0.384			
01829	1255	1256	8	100.05	0.005	0.014	0.014	Free Surfac	0.891	0.092	0.018	0.061	0.054	0.769	0.817	No	0.061	0.891			
01830	1266	1265	8	68.96	0.023	0.002	0.002	Pressurized	0.867	0.025	0.001	0.017	0.02	1.438	1.843	Yes	0.667	0.006			
01831	1189	1191	8	431.24	0.004	0.006	0.006	Free Surfac	0.643	0.065	0.008	0.043	0.035	0.663	0.739	Yes	0.045	0.595			
01832	1188	1189	8	151.63	0.015	0.002	0.002	Free Surfac	0.748	0.028	0.001	0.019	0.02	1.18	1.488	Yes	0.03	0.368			
01833	1190	1189	8	216.31	0.006	0.002	0.002	Free Surfac	0.549	0.034	0.002	0.023	0.02	0.78	0.953	Yes	0.032	0.332			
01834	1467	1468	10	194.99	0.004	0.023	0.023	Free Surfac	0.977	0.087	0.016	0.072	0.064	0.776	1.452	Yes	0.074	0.955			
01835	1468	1469	10	230.19	0.005	0.025	0.025	Free Surfac	1.054	0.088	0.016	0.073	0.067	0.834	1.56	Yes	0.083	0.865			
01836	1469	1470	10	398.9	0.002	0.027	0.027	Free Surfac	0.789	0.113	0.027	0.094	0.069	0.549	0.995	No	0.094	0.789			
01837	1471	1182	8	341.22	0.002	0.045	0.045	Free Surfac	0.854	0.209	0.095	0.139	0.096	0.482	0.473	No	0.139	0.854			
01838	1472	1471	8	152.39	0.009	0.002	0.002	Free Surfac	0.626	0.031	0.002	0.021	0.02	0.929	1.151	Yes	0.082	0.083			
01839	1649	1471	8	167.65	0.005	0.004	0.004	Free Surfac	0.624	0.05	0.005	0.033	0.029	0.732	0.845	Yes	0.089	0.149			
01840	1470	1471	8	377.57	0.006	0.037	0.037	Free Surfac	1.336	0.133	0.038	0.089	0.087	0.953	0.971	Yes	0.116	0.904			
01841	1195	1649	8	245.75	0.006	0.002	0.002	Free Surfac	0.541	0.035	0.002	0.023	0.02	0.765	0.933	Yes	0.027	0.438			
01842	1185	1183	8	388.10	0.007	0.008	0.008	Free Surfac	0.864	0.064	0.008	0.043	0.041	0.895	0.997	Yes	0.233	0.076			
01843	1183	1184	8	93.63	0.004	0.057	0.057	Free Surfac	1.284	0.186	0.075	0.124	0.108	0.771	0.762	Yes	0.606	0.172			
01845	1334	2493	12	427.55	0.011	5.789	5.789	Pressurized	7.371	1	1.58	1	0.816	1.299	3.664	Yes	1	7.371	11.95	12	2
01846	2493	2494	12	436.95	0.015	5.795	5.795	Pressurized	7.379	1	1.338	1	0.874	1.3	4.33	Yes	1	7.379	11.28	12	2
01847	2490	2491	8	146.68	0.011	0.019	0.019	Pressurized	1.339	0.085	0.015	0.056	0.062	1.206	1.297	Yes	0.667	0.054			
01848	2489	2490	8	302.75	0.004	0.014	0.014	Pressurized	0.879	0.093	0.018	0.062	0.054	0.756	0.803	Yes	0.667	0.041			
01849	2488	2489	8	233.46	0.006	0.01	0.01	Pressurized	0.858	0.071	0.01	0.048	0.044	0.842	0.925	Yes	0.667	0.027			
01850	2487	2488	8	145.05	0.006	0.005	0.005	Pressurized	0.705	0.051	0.005	0.034	0.031	0.819	0.944	Yes	0.667	0.014			
01851	2494	2492	12	419.04	0.003	6.11	6.11	Pressurized	7.779	1	3.369	1	0.573	1.371	1.814	Yes	1	7.779	15.55	18	2
01852	2492	2491	12	312.82	0.002	6.115	6.115	Pressurized	7.785	1	3.941	1	0.528	1.372	1.551	Yes	1	7.785	16.79	18	2
01853	1603	1334	12	433.13	0.011	5.784	5.784	Pressurized	7.364	1	1.572	1	0.818	1.298	3.68	Yes	1	7.364	11.94	12	2
01854	1335	1319	8	163.41	0.017	0.006	0.006	Free Surfac	1.064	0.044	0.004	0.029	0.034	1.331	1.566	Yes	0.667	0.017			
01855	1332	1319	8	186.81	0.006	0.006	0.006	Pressurized	0.733	0.057	0.006	0.038	0.034	0.809	0.917	Yes	0.667	0.017			
01856	1319	1333	8	198.07	0.005	0.017	0.017	Pressurized	1.001	0.097	0.02	0.065	0.059	0.841	0.889	Yes	0.667	0.05			
01857	1333	1321	8	280.81	0.006	0.029	0.029	Pressurized	1.195	0.122	0.031	0.081	0.077	0.894	0.919	Yes	0.667	0.083			
01858	1321	1322	8	282.96	0.005	0.035	0.035	Pressurized	1.174	0.139	0.042	0.093	0.084	0.818	0.829	Yes	0.667	0.099			
01859	1331	1330	8	165.9	0.005	0.006	0.006	Pressurized	0.703	0.058	0.007	0.039	0.034	0.764	0.863	Yes	0.667	0.017			
01860	1330	1328	8	111.48	0.006	0.012	0.012	Pressurized	0.913	0.078	0.012	0.052	0.048	0.855	0.929	Yes	0.667	0.033			
01861	1328	1327	8	90.73	0.005	0.023	0.023	Pressurized	1.091	0.111	0.026	0.074	0.068	0.855	0.888	Yes	0.667	0.066			
01862	1329	1328	8	121.34	0.006	0.006	0.006	Pressurized	0.751	0.056	0.006	0.037	0.034	0.835	0.949	Yes	0.667	0.017			
01863	1327	1322	8	154.09	0.006	0.029	0.029	Pressurized	1.185	0.122	0.032	0.082	0.077	0.884	0.908	Yes	0.667	0.083			

01864	1325	1326	8	327.33	0.001	0.087	0.087	Pressurized	0.911	0.317	0.218	0.212	0.134	0.41	0.398	Yes	0.667	0.248			
01865	1326	2486	8	253.26	0.004	0.093	0.093	Pressurized	1.512	0.231	0.117	0.154	0.138	0.808	0.788	Yes	0.667	0.265			
01866	1323	1324	8	340.16	0.005	0.006	0.006	Pressurized	0.681	0.06	0.007	0.04	0.034	0.733	0.825	Yes	0.667	0.017			
01867	1324	1325	8	348.03	0.005	0.012	0.012	Pressurized	0.858	0.082	0.014	0.054	0.048	0.786	0.849	Yes	0.667	0.033			
01868	1320	1333	8	214.6	0.005	0.006	0.006	Pressurized	0.711	0.058	0.007	0.039	0.034	0.776	0.878	Yes	0.667	0.017			
01869	1169	1170	8	106.24	0.016	0.187	0.187	Pressurized	2.952	0.237	0.123	0.158	0.198	1.557	1.516	Yes	0.667	0.535			
01870	1170	1171	8	391.02	0.002	0.193	0.193	Pressurized	1.374	0.422	0.372	0.282	0.202	0.525	0.518	Yes	0.667	0.552			
01871	1175	1170	8	192.67	0.007	0.003	0.003	Pressurized	0.619	0.04	0.003	0.027	0.024	0.818	0.977	Yes	0.667	0.008			
01872	1174	1173	8	198.82	0.003	0.003	0.003	Pressurized	0.476	0.047	0.004	0.032	0.024	0.575	0.67	Yes	0.667	0.008			
01873	1173	1172	8	366.06	0.004	0.006	0.006	Pressurized	0.637	0.062	0.008	0.041	0.034	0.671	0.751	Yes	0.667	0.016			
01875	1171	1734	12	282.3	0.003	0.204	0.204	Pressurized	1.575	0.222	0.108	0.222	0.185	0.703	1.891	Yes	1	0.26			
01876	1168	1167	8	168.5	0.006	0.003	0.003	Free Surfac	0.605	0.04	0.003	0.027	0.024	0.793	0.946	Yes	0.667	0.008			
01877	1167	1169	8	65.62	0.013	0.006	0.006	Pressurized	0.985	0.046	0.004	0.031	0.034	1.202	1.404	Yes	0.667	0.016			
01878	1371	1364	8	226.76	0.075	0.45	0.45	Free Surfac	6.634	0.249	0.136	0.166	0.313	3.407	3.312	Yes	0.182	5.819			
01879	1372	1371	8	210.78	0.045	0.445	0.445	Free Surfac	5.52	0.281	0.173	0.188	0.311	2.654	2.572	No	0.188	5.52			
01880	1370	1372	8	209.64	0.034	0.439	0.439	Free Surfac	4.96	0.301	0.197	0.201	0.309	2.298	2.227	No	0.201	4.96			
01882	2862	1369	8	430.91	0.061	0.006	0.006	Free Surfac	1.667	0.033	0.002	0.022	0.034	2.429	2.99	Yes	0.028	1.123			
01883	1366	1367	8	88.92	0.02	0.006	0.006	Free Surfac	1.133	0.042	0.003	0.028	0.034	1.449	1.716	Yes	0.037	0.757			
01884	1373	1365	8	220.93	0.027	0.006	0.006	Free Surfac	1.263	0.039	0.003	0.026	0.034	1.675	2.005	Yes	0.036	0.802			
01885	1365	1364	8	233.05	0.01	0.012	0.012	Free Surfac	1.113	0.068	0.009	0.046	0.048	1.117	1.235	Yes	0.122	0.264			
01886	1367	1368	8	362.27	0.013	0.012	0.012	Free Surfac	1.211	0.065	0.008	0.043	0.048	1.25	1.393	No	0.043	1.211			
01887	1369	1368	8	142.94	0.03	0.012	0.012	Free Surfac	1.612	0.053	0.006	0.036	0.048	1.835	2.101	Yes	0.039	1.391			
01888	2592	1364	8	286.69	0.018	0.069	0.069	Free Surfac	2.309	0.141	0.043	0.094	0.119	1.599	1.619	Yes	0.146	1.223			
01889	1375	1374	8	248.34	0.003	0.006	0.006	Free Surfac	0.581	0.066	0.009	0.044	0.034	0.591	0.656	No	0.044	0.581			
01890	1360	1346	8	270.78	0.033	0.572	0.572	Free Surfac	5.281	0.349	0.261	0.232	0.355	2.255	2.192	Yes	0.667	1.638			
01891	1361	1360	8	283.78	0.034	0.566	0.566	Free Surfac	5.322	0.344	0.255	0.229	0.353	2.289	2.224	Yes	0.23	5.303			
01892	1374	1361	8	400.39	0.028	0.012	0.012	Free Surfac	1.564	0.054	0.006	0.036	0.048	1.763	2.013	Yes	0.134	0.232			
01893	1362	1361	8	131.80	0.036	0.549	0.549	Free Surfac	5.415	0.332	0.238	0.221	0.348	2.376	2.305	Yes	0.226	5.262			
01894	1376	1347	8	359.31	0.053	0.052	0.052	Free Surfac	3.095	0.095	0.019	0.063	0.103	2.629	2.785	Yes	0.667	0.149			
01895	2636	2634	8	499.45	0.005	4.761	4.761	Pressurized	13.639	1	5.315	0.667	0.449	2.944	0.896	Yes	0.667	13.639	12.87	15	2
01896	2635	2636	8	391.87	0.004	4.755	4.755	Pressurized	13.622	1	6.123	0.667	0.417	2.94	0.777	Yes	0.667	13.622	13.41	15	2
01897	1382	1379	8	324.68	0.048	0.029	0.029	Free Surfac	2.514	0.073	0.011	0.049	0.077	2.435	2.667	Yes	0.065	1.662			
01898	1379	1378	8	99.44	0.011	0.035	0.035	Free Surfac	1.565	0.115	0.028	0.076	0.084	1.207	1.25	No	0.076	1.565			
01899	1378	1377	8	117.53	0.067	0.04	0.04	Free Surfac	3.118	0.08	0.013	0.053	0.091	2.897	3.138	Yes	0.053	3.088			
01900	1377	1376	8	334.94	0.061	0.046	0.046	Free Surfac	3.144	0.087	0.015	0.058	0.097	2.797	2.997	Yes	0.058	3.089			
01901	1380	1382	8	250.92	0.035	0.023	0.023	Free Surfac	2.106	0.071	0.01	0.047	0.068	2.072	2.279	No	0.047	2.106			
01902	1381	1380	8	214.54	0.034	0.017	0.017	Free Surfac	1.913	0.062	0.008	0.042	0.059	2.01	2.25	Yes	0.045	1.696			
01903	1181	1177	8	310.77	0.013	0.007	0.007	Free Surfac	1.04	0.051	0.005	0.034	0.038	1.208	1.391	No	0.034	1.04			
01904	1276	1274	8	113.60	0.013	0.001	0.001	Free Surfac	0.621	0.023	0.001	0.015	0.016	1.075	1.396	Yes	0.02	0.428			
01905	1274	1181	8	306.48	0.013	0.004	0.004	Free Surfac	0.877	0.04	0.003	0.027	0.029	1.148	1.369	Yes	0.032	0.674			
01906	1270	1273	8	211.48	0.015	0.003	0.003	Free Surfac	0.834	0.033	0.002	0.022	0.024	1.217	1.499	Yes	0.03	0.523			
01907	1273	1271	8	266.14	0.011	0.009	0.009	Free Surfac	1.048	0.058	0.007	0.039	0.042	1.139	1.287	Yes	0.045	0.848			
01908	1271	1179	8	355.83	0.012	0.013	0.013	Free Surfac	1.223	0.07	0.01	0.047	0.052	1.21	1.333	Yes	0.051	1.067			
01909	1272	1271	8	110.66	0.031	0.002	0.002	Free Surfac	0.906	0.022	0.001	0.015	0.019	1.617	2.119	Yes	0.033	0.271			
01910	1277	1278	8	251.39	0.035	0.003	0.003	Free Surfac	1.111	0.027	0.001	0.018	0.024	1.788	2.269	Yes	0.024	0.73			
01911	1278	1279	8	248.09	0.04	0.007	0.007	Free Surfac	1.526	0.039	0.003	0.026	0.037	2.032	2.435	Yes	0.667	0.02			
01912	1165	1166	8	123.97	0.069	0.005	0.005	Free Surfac	1.624	0.029	0.001	0.019	0.03	2.529	3.177	Yes	0.027	0.951			
01913	1805	1163	8	285.71	0.074	0.005	0.005	Free Surfac	1.665	0.028	0.001	0.019	0.03	2.615	3.294	Yes	0.023	1.25			
01914	1118	1117	8	335.48	0.033	3.324	3.324	Pressurized	9.524	1	1.502	0.667	0.639	2.056	2.213	Yes	0.667	9.524	7.90	8	2
01915	1610	1609	12	295.63	0.026	6.143	6.143	Pressurized	7.822	1	1.057	1	0.95	1.378	5.81	No	1	7.822	13.48	15	1
01916	1643	1720	15	498.73	0.007	3.751	3.751	Free Surfac	4.871	0.601	0.673	0.751	0.783	1.082	5.57	No	0.751	4.871			
01918	1314	1313	8	395.92	0.004	0.012	0.012	Free Surfac	0.787	0.086	0.015	0.058	0.048	0.702	0.752	Yes	0.065	0.652			
01919	1313	1316	8	80.42	0.005	0.025	0.025	Free Surfac	1.122	0.115	0.028	0.077	0.071	0.862	0.892	Yes	0.078	1.094			
01920	1316	1315	8	257.53	0.008	0.037	0.037	Free Surfac	1.444	0.126	0.034	0.084	0.086	1.062	1.088	Yes	0.126	0.799			
01923	2973	2971	8	386.08	0.074	0.017	0.017	Free Surfac	2.498	0.052	0.005	0.035	0.059	2.875	3.302	Yes	-3.348	-1			
01924	1104	2971	8	190.09	0.002	0.006	0.006	Free Surfac	0.486	0.075	0.011	0.05	0.034	0.465	0.508	No	0.05	0.486			
01925	3078	1900	8	273.70	0.011	0.287	0.287	Free Surfac	2.929	0.324	0.227	0.216	0.248	1.302	1.263	Yes	0.225	2.769			
01926	2857	2958	8	183.15	0.005	0.039	0.039	Free Surfac	1.272	0.144	0.044	0.096	0.089	0.873	0.883	Yes	0.22	0.39			
01927	2515	729	8	343.84	0.027	0.359	0.359	Free Surfac	4.325	0.288	0.18	0.192	0.278	2.055	1.991	Yes	0.195	4.236			
01928	1880	1879	8	211.79	0.006	0.008	0.008	Free Surfac	0.796	0.066	0.009	0.044	0.04	0.813	0.903	No	0.044	0.796			
01929	1879	1875	8	256.81	0.019	0.012	0.012	Free Surfac	1.38	0.06	0.007	0.04	0.049	1.483	1.67	Yes	0.054	0.884			
01930	1845	1899	8	187.41	0.007	1.083	1.083	Pressurized	3.101	1	1.098	0.667	0.471	0.669	0.986	No	0.667	3.101	8.99	10	1
01931	2969	805	8	216	0	0.01	0.01	Free Surfac	0.337	0.144	0.045	0.096	0.046	0.231	0.233	No	0.096	0.337			
01933	344	343	8	134.01	0.013	0.083	0.083	Free Surfac	2.18	0.166	0.06	0.111	0.131	1.387	1.383	No	0.111	2.18			
01934	345	344	8	234.61	0.023	0.062	0.062	Free Surfac	2.426	0.127	0.034	0.084	0.113	1.776	1.819	Yes	0.097	1.994			
01935	347	345	8	47.44	0.054	0.021	0.021	Free Surfac	2.369	0.061	0.007	0.041	0.065	2.518	2.828	Yes	0.06	1.331			
01936	24	1862	8	95.44	0.012	4.164	4.164	Pressurized	11.929	1	3.131	0.667	0.544	2.575	1.33	Yes	0.667	11.929	10.39	12	2
01937	1862	8	8	183.78	0.002	4.171	4.171	Pressurized	11.948	1	7.696	0.667	0.345	2.579	0.542	Yes	0.667	11.948	14.54	15	2
01938	1817	2044	8	373.62	0.004	3.279	3.279	Pressurized	9.393	1	4.57	0.667	0.4	2.027	0.717	Yes	0.667	9.393	11.67	12	2
01941	300	301	8	347.13	0.021	0.44	0.44	Free Surfac	4.205	0.34	0.249	0.227	0.31	1.82	1.768	Yes	0.229	4.137			
01942	301	302	8	309.54	0.02	0.446	0.446	Free Surfac	4.124	0.348	0.261	0.232	0.312	1.761	1.712	No	0.232	4.124			
01943	302	305	8	309.52	0.021	0.452	0.452	Free Surfac	4.186	0.348	0.26	0.232	0.314	1.79	1.739	No	0.232	4.186			
01944	305	306	8	108.86	0.022	0.457	0.457	Free Surfac	4.317	0.343	0.253	0.229	0.316	1.86	1.806	Yes	0.236	4.147			
01945	306	307	8	133.21	0.018	0.463	0.463	Free Surfac	4.039	0.364	0.282	0.242	0.318	1.683	1.64	Yes	0.247	3.948			
01946	307	309	8	272.85	0.019	0.497	0.497	Free Surfac	4.146	0.376	0.301	0.251	0.33	1.695	1.655	Yes	0.26	3.957			
01947	314	313	8	134.76	0.012	0.006	0.006	Free Surfac	0.958	0.047	0.004	0.031	0.034	1.161	1.353	Yes	0.032	0.924			
01948	303	315	8	171.10	0.032	0.006	0.006	Free Surfac	1.336	0.038	0.003	0.025	0.034	1.812	2.184	Yes	0.04	0.679			
01949	180	304	8	184.42	0.024	0.006	0.006	Free Surfac	1.206	0.04	0.003	0.027	0.034	1.581	1.886	Yes	0.033	0.908			
01950	304	315	8	288.4	0.022	0.011	0.011	Free Surfac	1.433	0.057	0.006	0.038	0.048	1.573	1.782	Yes	0.046	1.084			
01951	315	308	8	338.07	0.02	0.023	0.023	Free Surfac	1.715	0.081	0.013	0.054	0.068	1.578	1.706	Yes	0.056	1.627			
01952	308	307	8	122.29	0.023	0.029	0.029	Free Surfac	1.934	0.087	0.016	0.058	0.076	1.718	1.84	Yes	0.154	0.467			
01953	313	310	8	254.71	0.041	0.011	0.011	Free Surfac	1.783	0.049	0.005	0.033	0.048	2.11	2.442	Yes	0.043	1.213			
01954	309	311	8	158.87	0.016	0.52	0.52	Free Surfac	3.956	0.403	0.341	0.268	0.338	1.555	1.526	Yes	0.661	1.492			
01955	1827	1826	8	132.06	0.006	0.004	0.004	Free Surfac	0.688	0.049	0.005	0.033	0.03	0.817	0.947	Yes	0.067	0.236			
01956	1824	1825	8	105.98	0.007	0.004	0.004	Free Surfac	0.725	0.047	0.004	0.032	0.03	0.877	1.021	Yes	0.048	0.393			
01957	1823	1825	8	376.97	0.011	0.009	0.009	Free Surfac	1.039	0.059	0.007	0.039	0.042	1.122	1.266	Yes	0.052	0.698			
01958	1825	1826	8	167.37	0.007	0.017	0.017	Free Surfac	1.097	0.091	0.017	0.061	0.059	0.951	1.012	Yes	0.081	0.716			
01959	1826	1828	8	139.94	0.002	0.026	0.026	Free Surfac	0.742	0.157	0.054	0.105	0.073	0.486	0.487	No	0.105	0.742			
01960	1822	1823	8	329.44	0.016	0.004	0.004	Free Surfac	0.955	0.039	0.003	0.026	0.03	1.268	1.519	Yes	0.031	0.75			
01961	434	438	8	112.44	0.01	0.022	0.022	Free Surfac	1.348	0.092	0.017	0.061	0.066	1.167	1.241	Yes	0.183	0.277			
01962	113	438	8	172.23	0.056	0.017	0.017	Free Surfac	2.26	0.056	0.006	0.037	0.059	2.511	2.855	Yes	0.171	0.247			
01963	376	113	8	243.85	0.031	0.013	0.013	Free Surfac	1.696	0.056	0.006	0.037	0.051	1.885	2.143	Yes	0.037	1.695			
01964	86	300	8	105.31	0.031	0.435	0.435	Free Surfac	4.815	0.305	0.203	0.204	0.308	2.213	2.145	Yes	0.215	4.46			
01965	63	62	8	309.02	0.004	0.005	0.005	Free Surfac	0.611	0.06	0.007	0.04	0.032	0.656	0.739	Yes	0.044	0.535			
01968	1940	1994	15	332.19	0.01	1.237	1.237	Free Surfac	3.999	0.3	0.195	0.375	0.439	1.356	6.327	Yes	0.398	3.676			
01969	1994	1995	15	338.69	0.006	1.242	1.242	Free Surfac	3.412	0.337	0.245	0.422	0.44	1.083	5.064	Yes	0.467	2.973			
01970	1995	1996	15	342.55	0.003	1.248	1.248	Free Surfac	2.641	0.409	0.351	0.512	0.441	0.751	3.552	No	0.512	2.641			
01971	1996	1997	15	337.99	0.004	1.253	1.253	Free Surfac	2.94	0.379	0.305	0.474	0.442	0.874	4.109	Yes	0.505	2.697			
01972	1997	1998	15	262.44	0.003	1.429	1.429	Free Surfac	2.837	0.429	0.383	0.537	0.473	0.784	3.729	No	0.537	2.837			
01973	1998	1999	15	261.52	0.004	1.435	1.435	Free Surfac	2.96	0.417	0.364	0.521	0.474	0.832	3.945	Yes	0.938	1.453			
01974	1999	2000	15	401.88	0.004	1.519	1.519	Pressurized	2.959	0.436	0.393	0.544	0.488	0.81	3.864	Yes	1.25	1.237			
01975	2000	2001	15	387.77	0.002	2.342	2.342	Pressurized	2.548	0.701	0.839	0.876	0.612	0.501	2.791	Yes	1.25	1.908	11.71	12	2
01976	2013	2012	8	370	0.009	0.007	0.007	Free Surfac	0.875	0.055	0.006	0.037	0.036	0.982	1.12	Yes	0.045	0.643			
01977	2012	2011	8	242.78	0.007	0.013	0.013	Free Surfac	0.997	0.08	0.013	0.053	0.051	0.923	0.999	Yes	0.059	0.859			
01978	2011	2009	8	240.49	0.007	0.02	0.02	Free Surfac	1.126	0.097	0.02	0.065	0.063	0.945	0.997	Yes	0.075	0.916			
01979	2010	2009	8	371.62	0.012	0.007	0.007	Free Surfac	0.984	0.051	0.005	0.034	0.036	1.149	1.326	Yes	0.059	0.43			
01980	2009	2008	8	236.98	0.006	0.033	0.033	Free Surfac	1.276	0.127	0.034	0.084	0.082	0.935	0.957	Yes	0.084	1.273			
01981	2008	2006	8	236.65	0.009	0.039	0.039	Free Surfac	1.524	0.127	0.034	0.085	0.089	1.115	1.141	Yes	0.089	1.424			
01982	2007	2006	8	369.32	0.006	0.007	0.007	Free Surfac	0.752	0.061	0.007	0.04	0.036	0.801	0.9	Yes	0.067	0.361			
01983	2006	2005	8	348.95	0.011	0.052	0.052	Free Surfac	1.779	0.139	0.042	0.093	0.103	1.242	1.259	Yes	0.106	1.471			
01984	2005	2004	8	282.09	0.009	0.078	0.078	Free Surfac	1.867	0.178	0.069	0.119	0.127	1.146	1.136	Yes	0.132	1.596			
01985	2004	2003	8	359.16	0.007	0.105	0.105	Free Surfac	1.849	0.219	0.105	0.146	0.147	1.017	0.995	Yes	0.163	1.576			
01986	2003	2002	8	305.48	0.005	0.144	0.144	Free Surfac	1.878	0.271	0.161	0.181	0.173	0.921	0.893	No	0.181	1.878			
01987	2002	1997	8	293.63	0.01	0.15	0.15	Free Surfac	2.35	0.239	0.125	0.159	0.177	1.235	1.202	Yes	0.348	0.816			
01988	2040	2039	15	529.07	0.02	12.129	12.129	Pressurized	9.884	1	1.334	1.25	1.159	1.558	9.094	Yes	1.25	9.884	14.09	15	2
01989	2039	2038	15	182.15	0.012	12.134	12.134	Pressurized	9.887	1	1.693	1.25	1.07	1.558	7.166	Yes	1.25	9.887	15.51	18	2
01990	2038	2037	15	384.61	0.019	12.138	12.138	Pressurized	9.891	1	1.372	1.25	1.15	1.559	8.85	Yes	1.25	9.891	14.23	15	2
01991	2037	2036	12	106.85	0.07	12.143	12.143	Pressurized	15.461	1	1.288	1	0.992	2.725	9.426	Yes	1	15.461	11.15	12	2
01992	2036	3036	12	252.61	0.06	12.147	12.147	Pressurized	15.467	1	1.389	1	0.99	2.726	8.748	Yes	1	15.467	11.48	12	2
01993	2035	662	12	333.47	0.073	12.247	12.247	Pressurized	15.593	1	1.268	1	0.993	2.748	9.661	Yes	1	15.593	11.10	12	2
01994	2014	2015	8	400.59	0.054	0.004	0.004	Free Surfac	1.398	0.027	0.001	0.018	0.027	2.231	2.824	Yes	0.024	0.922			
01995	2015	2017	8	310.68	0.058	0.011	0.011	Free Surfac	2	0.045	0.004	0.03	0.047	2.484	2.916	Yes	0.044	1.121			
01996	2017	2018	8	397.97	0.006	0.015	0.015	Free Surfac	0.989	0.088	0.016	0.059	0.055	0.874	0.935	Yes	0.071	0.738			
01997	2018	2041	8	133.42	0.007	0.033	0.033	Free Surfac	1.303	0.126	0.034	0.084	0.082	0.955	0.978	Yes	0.09	1.181			
01998	2041	2023	8	119.56	0.005	0.037	0.037	Free Surfac	1.197	0.144	0.045	0.096	0.087	0.821	0.829	Yes	0.098	1.17			
01999	2023	2026	8	110.58	0.007	0.048	0.048	Free Surfac	1.488	0.149	0.048	0.099	0.099	1.003	1.011	Yes	0.102	1.43			
02000	2026	2027	8	156.13	0.006	0.052	0.052	Free Surfac	1.482	0.157	0.053	0.105	0.103	0.972	0.974	Yes	0.109	1.399			

02001	2027	2028	8	381.35	0.005	0.056	0.056	Free Surfac	1.418	0.17	0.063	0.113	0.107	0.892	0.888	No	0.113	1.418			
02002	2028	2032	8	251.3	0.079	0.078	0.078	Free Surfac	4.018	0.104	0.023	0.07	0.127	3.249	3.401	No	0.07	4.018			
02003	2032	2033	8	181.55	0.214	0.082	0.082	Free Surfac	5.792	0.085	0.015	0.056	0.13	5.212	5.6	Yes	0.062	5.038			
02004	2033	2034	8	325.80	0.109	0.086	0.086	Free Surfac	4.636	0.102	0.022	0.068	0.133	3.803	3.994	No	0.068	4.636			
02005	2034	3036	8	82.84	0.134	0.09	0.09	Free Surfac	5.05	0.099	0.02	0.066	0.136	4.206	4.433	Yes	0.667	0.258			
02006	2022	2021	8	143.69	0.043	0.004	0.004	Free Surfac	1.29	0.029	0.001	0.019	0.027	2.003	2.515	Yes	0.023	0.998			
02007	2021	2020	8	197.77	0.044	0.007	0.007	Free Surfac	1.605	0.04	0.003	0.026	0.039	2.123	2.538	Yes	0.029	1.41			
02008	2020	2019	8	94.38	0.048	0.011	0.011	Free Surfac	1.878	0.047	0.004	0.031	0.047	2.283	2.663	Yes	0.033	1.713			
02009	2019	2018	8	200.49	0.051	0.015	0.015	Free Surfac	2.094	0.053	0.005	0.035	0.055	2.395	2.746	Yes	0.06	0.959			
02010	2025	2024	8	123.34	0.03	0.004	0.004	Free Surfac	1.144	0.031	0.002	0.021	0.027	1.706	2.115	Yes	0.022	1.049			
02011	2024	2023	8	102.86	0.075	0.007	0.007	Free Surfac	1.931	0.035	0.002	0.023	0.039	2.719	3.313	Yes	0.061	0.463			
02012	2016	2015	8	161.05	0.102	0.004	0.004	Free Surfac	1.741	0.024	0.001	0.016	0.027	2.99	3.872	Yes	0.023	0.998			
02013	2043	2042	8	329.38	0.021	0.004	0.004	Free Surfac	1.005	0.034	0.002	0.023	0.027	1.433	1.754	Yes	0.026	0.828			
02014	2042	2031	8	333.4	0.029	0.007	0.007	Free Surfac	1.396	0.044	0.004	0.029	0.039	1.762	2.077	Yes	0.03	1.355			
02015	2031	2030	8	216.22	0.056	0.011	0.011	Free Surfac	1.973	0.045	0.004	0.03	0.047	2.439	2.859	Yes	0.032	1.785			
02016	2030	2029	8	270.33	0.057	0.015	0.015	Free Surfac	2.166	0.052	0.005	0.034	0.055	2.506	2.882	Yes	0.035	2.101			
02017	2029	2028	8	68.97	0.074	0.019	0.019	Free Surfac	2.55	0.054	0.006	0.036	0.061	2.89	3.304	Yes	0.053	1.44			
02018	2055	2054	8	93.59	0.027	0	0	Free Surfac	0	0	0	0	0	0	1.992	Yes	0.01	0			
02019	2054	2053	8	243.30	0.032	0.004	0.004	Free Surfac	1.154	0.031	0.002	0.02	0.027	1.736	2.158	Yes	0.031	0.631			
02020	2053	2052	8	153.93	0.007	0.007	0.007	Free Surfac	0.824	0.061	0.007	0.041	0.038	0.874	0.981	Yes	0.045	0.709			
02021	2052	2051	8	232.47	0.006	0.011	0.011	Free Surfac	0.929	0.074	0.011	0.05	0.047	0.893	0.976	Yes	0.087	0.408			
02022	2051	2050	8	220.19	0.01	0.091	0.091	Free Surfac	2.026	0.186	0.076	0.124	0.137	1.215	1.2	Yes	0.126	1.988			
02023	2050	2049	8	192.15	0.01	0.095	0.095	Free Surfac	2.028	0.191	0.08	0.128	0.14	1.199	1.182	No	0.128	2.028			
02024	2049	2048	8	192.67	0.042	0.098	0.098	Free Surfac	3.452	0.136	0.04	0.091	0.143	2.438	2.478	Yes	0.667	0.281			
02025	2048	2046	8	229.18	0.009	0.102	0.102	Pressurized	2.042	0.201	0.088	0.134	0.145	1.177	1.157	Yes	0.667	0.292			
02026	2047	2046	8	81.52	0.006	0.011	0.011	Pressurized	0.917	0.075	0.011	0.05	0.047	0.878	0.958	Yes	0.667	0.031			
02027	2046	2045	8	228.79	0.038	0.116	0.116	Pressurized	3.52	0.151	0.049	0.1	0.156	2.357	2.371	Yes	0.667	0.333			
02028	2044	2045	8	217.52	0.009	3.282	3.282	Pressurized	9.403	1	2.839	0.667	0.51	2.029	1.156	Yes	0.667	9.403	10.03	12	2
02029	2045	2056	8	334.27	0.015	3.402	3.402	Pressurized	9.747	1	2.278	0.667	0.572	2.104	1.494	Yes	0.667	9.747	9.23	10	2
02030	2056	2057	8	93.81	0.056	3.406	3.406	Pressurized	9.757	1	1.186	0.667	0.656	2.106	2.872	Yes	0.667	9.757	7.22	8	2
02031	2057	2058	8	120.94	0.054	3.428	3.428	Pressurized	9.82	1	1.212	0.667	0.656	2.119	2.828	Yes	0.667	9.82	7.28	8	2
02032	2058	2059	8	205.87	0.035	3.431	3.431	Pressurized	9.83	1	1.514	0.667	0.641	2.122	2.266	Yes	0.667	9.83	7.90	8	2
02033	2059	2060	8	269.82	0.036	3.435	3.435	Pressurized	9.841	1	1.491	0.667	0.643	2.124	2.303	Yes	0.667	9.841	7.86	8	2
02034	2060	2061	8	386.11	0.008	3.442	3.442	Pressurized	9.861	1	3.121	0.667	0.498	2.128	1.103	Yes	0.667	9.861	10.44	12	2
02035	2065	2064	8	59.66	0.012	0.004	0.004	Pressurized	0.829	0.038	0.003	0.026	0.027	1.115	1.34	Yes	0.667	0.01			
02036	2064	2063	8	170.64	0.016	0.051	0.051	Pressurized	2.012	0.125	0.034	0.084	0.102	1.481	1.518	Yes	0.667	0.146			
02037	2063	2062	8	156.44	0.014	0.055	0.055	Pressurized	1.954	0.134	0.039	0.089	0.106	1.389	1.414	Yes	0.667	0.156			
02038	2062	2061	8	78.47	0.008	0.058	0.058	Pressurized	1.636	0.159	0.054	0.106	0.109	1.067	1.068	Yes	0.667	0.167			
02039	2061	2066	8	261.21	0.014	3.504	3.504	Pressurized	10.039	1	2.467	0.667	0.56	2.167	1.42	Yes	0.667	10.039	9.46	10	2
02040	2066	2067	8	216.57	0.025	3.508	3.508	Pressurized	10.049	1	1.849	0.667	0.619	2.169	1.897	Yes	0.667	10.049	8.49	10	2
02041	2067	2068	8	85.89	0.024	3.511	3.511	Pressurized	10.059	1	1.885	0.667	0.616	2.171	1.863	Yes	0.667	10.059	8.56	10	2
02042	2068	2069	8	169.51	0.024	3.522	3.522	Pressurized	10.091	1	1.872	0.667	0.617	2.178	1.882	Yes	0.667	10.091	8.57	10	2
02043	2069	2070	8	256.74	0.024	3.526	3.526	Pressurized	10.101	1	1.883	0.667	0.616	2.18	1.872	Yes	0.667	10.101	8.57	10	2
02044	2072	2071	8	164.46	0.039	0.004	0.004	Free Surfac	1.24	0.029	0.002	0.019	0.027	1.913	2.396	Yes	0.667	0.01			
02045	2071	2070	8	126.76	0.035	0.029	0.029	Pressurized	2.256	0.079	0.013	0.053	0.077	2.101	2.278	Yes	0.667	0.083			
02046	2070	2073	8	326.26	0.022	3.559	3.559	Pressurized	10.195	1	1.987	0.667	0.609	2.2	1.791	Yes	0.667	10.195	8.74	10	2
02047	2073	2074	8	101.42	0.006	3.562	3.562	Pressurized	10.205	1	3.701	0.667	0.465	2.203	0.962	Yes	0.667	10.205	11.16	12	2
02048	2074	2075	8	277.07	0.002	3.566	3.566	Pressurized	10.216	1	6.86	0.667	0.338	2.205	0.52	Yes	0.667	10.216	13.71	15	2
02049	2075	2076	8	254.52	0.011	3.57	3.57	Pressurized	10.226	1	2.779	0.667	0.536	2.207	1.284	Yes	0.667	10.226	9.97	10	2
02050	2076	2077	8	182.53	0.007	4.066	4.066	Pressurized	11.648	1	4.042	0.667	0.476	2.514	1.006	Yes	0.667	11.648	11.39	12	2
02051	2077	2078	8	95.41	0.009	4.07	4.07	Pressurized	11.658	1	3.567	0.667	0.506	2.516	1.141	Yes	0.667	11.658	10.87	12	2
02052	2078	2079	8	116.91	0.006	4.073	4.073	Pressurized	11.669	1	4.305	0.667	0.461	2.519	0.946	Yes	0.667	11.669	11.73	12	2
02053	2080	2081	8	382.03	0.04	0.004	0.004	Free Surfac	1.255	0.029	0.001	0.019	0.027	1.944	2.438	Yes	0.667	0.01			
02054	2081	2047	8	61.18	0.009	0.007	0.007	Pressurized	0.902	0.058	0.007	0.038	0.038	0.987	1.117	Yes	0.667	0.021			
02055	2102	2101	8	150.71	0.01	0.004	0.004	Free Surfac	0.78	0.04	0.003	0.027	0.027	1.028	1.229	Yes	0.047	0.334			
02056	2101	2083	8	244.46	0.013	0.029	0.029	Free Surfac	1.571	0.101	0.021	0.068	0.077	1.29	1.356	Yes	0.081	1.199			
02057	2085	2084	8	93.69	0.015	0.004	0.004	Free Surfac	0.89	0.036	0.002	0.024	0.027	1.228	1.486	Yes	0.033	0.577			
02058	2084	2083	8	130.44	0.007	0.007	0.007	Free Surfac	0.826	0.061	0.007	0.041	0.038	0.876	0.984	Yes	0.068	0.39			
02059	2083	2082	8	230.25	0.006	0.04	0.04	Free Surfac	1.315	0.142	0.044	0.095	0.09	0.907	0.917	Yes	0.105	1.131			
02060	2082	2051	8	155.79	0.009	0.076	0.076	Free Surfac	1.885	0.174	0.066	0.116	0.125	1.172	1.165	Yes	0.12	1.789			
02061	2094	2093	8	136.25	0.023	0.004	0.004	Free Surfac	1.028	0.033	0.002	0.022	0.027	1.487	1.828	Yes	0.025	0.877			
02062	2093	2092	8	192.37	0.038	0.007	0.007	Free Surfac	1.521	0.041	0.003	0.027	0.038	1.988	2.37	Yes	0.03	1.277			
02063	2092	2091	8	87.32	0.033	0.011	0.011	Free Surfac	1.637	0.051	0.005	0.034	0.047	1.911	2.204	Yes	0.034	1.613			
02064	2091	2089	8	128.91	0.054	0.015	0.015	Free Surfac	2.12	0.052	0.005	0.034	0.054	2.45	2.817	Yes	0.044	1.493			
02065	2089	2088	8	148.1	0.02	0.022	0.022	Free Surfac	1.689	0.079	0.013	0.053	0.066	1.572	1.704	Yes	0.059	1.43			
02066	2088	2087	8	158.05	0.011	0.025	0.025	Free Surfac	1.437	0.098	0.02	0.066	0.072	1.198	1.264	Yes	0.067	1.38			
02067	2087	2086	8	225.65	0.011	0.029	0.029	Free Surfac	1.516	0.104	0.023	0.069	0.077	1.23	1.288	No	0.069	1.516			
02068	2086	2082	8	194.91	0.027	0.033	0.033	Free Surfac	2.12	0.09	0.017	0.06	0.082	1.855	1.979	Yes	0.088	1.207			
02069	2090	2089	8	112.89	0.029	0.004	0.004	Free Surfac	1.12	0.031	0.002	0.021	0.027	1.669	2.068	Yes	0.037	0.48			
02070	2095	2096	8	114.63	0.026	0.004	0.004	Free Surfac	1.078	0.032	0.002	0.021	0.027	1.585	1.957	Yes	0.025	0.842			
02071	2096	2097	8	200.67	0.028	0.007	0.007	Free Surfac	1.363	0.044	0.004	0.029	0.038	1.716	2.022	Yes	0.03	1.272			
02072	2097	2098	8	195.49	0.043	0.011	0.011	Free Surfac	1.787	0.048	0.004	0.032	0.047	2.149	2.5	Yes	0.038	1.355			
02073	2098	2099	8	328.87	0.017	0.015	0.015	Free Surfac	1.431	0.067	0.009	0.045	0.054	1.446	1.602	Yes	0.051	1.181			
02074	2099	2100	8	250.17	0.01	0.018	0.018	Free Surfac	1.246	0.086	0.015	0.057	0.061	1.111	1.192	Yes	0.065	1.047			
02075	2100	2101	8	158.31	0.005	0.022	0.022	Free Surfac	1.076	0.108	0.024	0.072	0.066	0.856	0.893	No	0.072	1.076			
02078	1975	1501	8	240.85	0.014	0.008	0.008	Free Surfac	1.108	0.055	0.006	0.037	0.041	1.243	1.418	Yes	0.049	0.711			
02079	1974	1502	8	247.61	0.021	0.008	0.008	Free Surfac	1.282	0.05	0.005	0.033	0.041	1.513	1.75	Yes	0.041	0.936			
02080	1972	1971	8	326.05	0.114	0.01	0.01	Free Surfac	2.474	0.037	0.003	0.025	0.046	3.389	4.095	Yes	0.04	1.212			
02081	1977	1976	8	400.7	0.108	0.015	0.015	Free Surfac	2.742	0.045	0.004	0.03	0.056	3.39	3.974	Yes	0.034	2.314			
02082	1981	1982	8	405.12	0.076	0.01	0.01	Free Surfac	2.149	0.041	0.003	0.027	0.046	2.806	3.343	Yes	0.029	1.958			
02083	1973	1972	8	127.68	0.107	0.005	0.005	Free Surfac	1.957	0.027	0.001	0.018	0.032	3.131	3.966	Yes	0.021	1.529			
02085	1979	1978	8	147.62	0.078	0.005	0.005	Free Surfac	1.752	0.029	0.002	0.019	0.032	2.7	3.382	Yes	0.022	1.434			
02086	1978	1977	8	397.36	0.105	0.01	0.01	Free Surfac	2.405	0.038	0.003	0.025	0.046	3.263	3.932	Yes	0.028	2.083			
02087	1976	1969	8	230.89	0.076	0.021	0.021	Free Surfac	2.649	0.056	0.006	0.038	0.065	2.935	3.334	Yes	0.049	1.8			
02088	1980	1981	8	321.02	0.085	0.005	0.005	Free Surfac	1.807	0.029	0.001	0.019	0.032	2.813	3.534	Yes	0.023	1.362			
02089	1967	1508	8	268.47	0.005	0.057	0.057	Free Surfac	1.378	0.175	0.067	0.117	0.108	0.852	0.846	Yes	0.139	1.076			
02090	1969	1968	8	294.3	0.053	0.046	0.046	Free Surfac	2.985	0.09	0.017	0.06	0.097	2.607	2.78	Yes	0.076	2.103			
02091	1968	1967	8	268.51	0.011	0.051	0.051	Free Surfac	1.764	0.138	0.041	0.092	0.103	1.235	1.253	Yes	0.105	1.471			
02092	1971	1970	8	253.47	0.008	0.015	0.015	Free Surfac	1.127	0.083	0.014	0.055	0.056	1.028	1.108	Yes	0.057	1.07			
02093	1970	1969	8	206.32	0.011	0.021	0.021	Free Surfac	1.357	0.088	0.016	0.059	0.065	1.195	1.276	Yes	0.059	1.342			
02094	1952	1951	8	400.35	0.009	0.004	0.004	Free Surfac	0.771	0.045	0.004	0.03	0.029	0.959	1.126	Yes	0.036	0.586			
02095	1951	1950	8	401.33	0.008	0.009	0.009	Free Surfac	0.932	0.063	0.008	0.042	0.041	0.976	1.092	Yes	0.667	0.024			
02096	1950	1958	8	360.85	0.009	0.013	0.013	Pressurized	1.097	0.074	0.011	0.049	0.051	1.058	1.157	Yes	0.667	0.037			
02098	1956	1955	8	400.23	0.007	0.004	0.004	Free Surfac	0.7	0.048	0.004	0.032	0.029	0.843	0.98	Yes	0.038	0.539			
02099	1955	1949	8	400.34	0.007	0.009	0.009	Free Surfac	0.865	0.066	0.009	0.044	0.041	0.884	0.982	Yes	0.667	0.024			
02100	1949	1953	8	381.89	0.034	0.013	0.013	Pressurized	1.733	0.054	0.006	0.036	0.051	1.955	2.232	Yes	0.667	0.037			
02101	5	4	8	267.76	0.008	4.203	4.203	Pressurized	12.042	1	3.81	0.667	0.498	2.599	1.103	Yes	0.667	12.042	11.25	12	2
02102	2106	2105	8	106.16	0.013	0.046	0.046	Pressurized	1.804	0.126	0.034	0.084	0.097	1.324	1.356	Yes	0.667	0.132			
02103	2104	2103	8	265.62	0.025	0.007	0.007	Pressurized	1.278	0.043	0.003	0.028	0.036	1.629	1.927	Yes	0.667	0.019			
02104	4	2103	8	214.32	0.009	4.263	4.263	Pressurized	12.212	1	3.746	0.667	0.506	2.636	1.138	Yes	0.667	12.212	11.06	12	2
02105	2103	447	8	173.66	0.001	4.276	4.276	Pressurized	12.249	1	10.962	0.667	0.291	2.644	0.39	Yes	0.667	12.249	21.68	24	1
02106	2111	2110	8	210.88	0.006	0.013	0.013	Pressurized	0.963	0.082	0.014	0.055	0.051	0.879	0.948	Yes	0.667	0.038			
02107	2109	2106	8	89.03	0.006	0.026	0.026	Pressurized	1.154	0.117	0.029	0.078	0.073	0.881	0.911	Yes	0.667	0.075			
02108	2110	2109	8	216.8	0.007	0.02	0.02	Pressurized	1.123	0.098	0.02	0.065	0.063	0.939	0.991	Yes	0.667	0.057			
02109	2112	2111	8	175.71	0.006	0.007	0.007	Pressurized	0.774	0.06	0.007	0.04	0.036	0.832	0.937	Yes	0.667	0.019			
02110	2107	2106	8	110.26	0.007	0.013	0.013	Pressurized	1.023	0.079	0.013	0.053	0.051	0.954	1.034	Yes	0.667	0.038			
02111	2108	2107	8	396.04	0.006	0.007	0.007	Pressurized	0.778	0.06	0.007	0.04	0.036	0.837	0.943	Yes	0.667	0.019			
02117	2119	1146	8	258.08	0.008	0.005	0.005	Pressurized	0.757	0.048	0.004	0.032	0.03	0.91	1.059	Yes	0.667	0.013			
02118	2120	1522	8	155.53	0.069	0.04	0.04	Free Surfac	3.135	0.079	0.013	0.053	0.09	2.926	3.173	Yes	0.07	2.064			
02119	2121	2120	8	179.5	0.044	0.035	0.035	Free Surfac	2.574	0.082	0.014	0.055	0.084	2.353	2.539	No	0.055	2.574			
02120	2122	2121	8	226.99	0.074	0.03	0.03	Free Surfac	2.942	0.067	0.009	0.045	0.078	2.975	3.295	Yes	0.05	2.523			
02121	2123	2122	8	225.46	0.096	0.025	0.025	Free Surfac	3.039	0.058	0.007	0.039	0.071	3.315	3.75	Yes	0.042	2.709			
02122	2124	2123	8	187.64	0.095	0.02	0.02	Free Surfac	2.825	0.052	0.005	0.035	0.063	3.255	3.739	Yes	0.037	2.602			
02123	2125	2124	8	297.09	0.087	0.014	0.014	Free Surfac	2.492	0.046	0.004	0.031	0.054	3.052	3.568	Yes	0.033	2.272			
02124	2126	2125	8	188.56	0.027	0.005	0.005	Free Surfac	1.211	0.037	0.003	0.025	0.032	1.648	1.987	Yes	0.028	1.029			
02125	2127	2125	8	288.90	0.043	0.004	0.004	Free Surfac	1.335	0.03	0.002	0.02	0.029	2.022	2.518	Yes	0.025	0.945			
02126	2127	2128	8	399.11	0.096	0.006	0.006	Free Surfac	1.992	0.03	0.002	0.02	0.035	3.016	3.756	Yes	0.024	1.575			
02127	2128	2129	8	186.57	0.092	0.011	0.011	Free Surfac	2.362	0.041	0.003	0.027	0.048	3.085	3.676	Yes	0.03	2.045			
02128	2129	2130	8	398.95	0.088	0.016	0.016	Free Surfac	2.61	0.049	0.005	0.033	0.058	3.104	3.599	Yes	0.037	2.165			
02129	2130	1526	8	215.36	0.055	0.022	0.022	Free Surfac	2.407	0.062	0.008	0.041	0.066	2.539	2.845	Yes	0.042	2.367			
02130	1983	1510	8	368.13	0.095	0.021	0.021	Free Surfac	2.865	0.053	0.006	0.036	0.065	3.259	3.73	Yes	0.042	2.236			
02131	1982	1983	8	395.13	0.102	0.015	0.015	Free Surfac	2.691	0.046	0.004	0.031	0.056	3.306	3.868	Yes	0.033	2.394			
02132	2131	2127	8	146.71	0.036	0.005	0.005	Free Surfac	1.342	0.035	0.002	0.023	0.032	1.89	2.303	No	0.023	1.342			
02134	2138	182	8	122.68	0.005	0.01	0.01	Free Surfac	0.861	0.076	0.012	0.05	0.046	0.821	0.895	Yes	0.07	0.537			
02135	2139	2138	8	241.41	0.002	0.005	0.005	Free Surfac	0.448	0.074	0.011	0.049	0.032	0.433	0.474	Yes	0.05	0.439			
02136	2141	2140	8	103.15	0.07	0.005	0.005	Free Surfac	1.691	0.03	0.002	0.02	0.032	2.567	3.201	Yes	0.026	1.148			
02137	2140	175	8	51.28	0.038	0.01	0.01	Free Surfac	1.689	0.048	0.004	0.032	0.046	2.028	2.357	Yes	0.038	1.328			

02138	2145	2144	8	193.47	0.004	0.314	0.314	Free Surfac	2.14	0.437	0.395	0.291	0.259	0.801	0.794	Yes	0.302	2.043			
02139	2143	2142	8	237.89	0.012	1.095	1.095	Free Surfac	4.281	0.687	0.817	0.458	0.496	1.173	1.34	No	0.458	4.281	6.29	8	2
02141	2144	2143	8	97.63	0.003	0.319	0.319	Free Surfac	1.991	0.468	0.447	0.312	0.262	0.714	0.715	Yes	0.385	1.529			
02142	2149	2148	8	396.42	0.002	0.006	0.006	Free Surfac	0.509	0.074	0.011	0.049	0.034	0.491	0.537	No	0.049	0.509			
02143	2148	2147	8	136.48	0.009	0.012	0.012	Free Surfac	1.064	0.072	0.01	0.048	0.049	1.043	1.146	Yes	0.054	0.888			
02144	2147	2146	8	128.48	0.008	0.018	0.018	Free Surfac	1.135	0.09	0.017	0.06	0.06	0.988	1.053	Yes	0.067	0.966			
02145	2146	2145	8	207.01	0.006	0.024	0.024	Free Surfac	1.115	0.111	0.026	0.074	0.069	0.873	0.907	Yes	0.183	0.305			
02146	2152	2145	8	128.16	0.005	0.284	0.284	Free Surfac	2.265	0.388	0.319	0.259	0.246	0.909	0.889	Yes	0.275	2.089			
02147	2150	2151	8	235.29	0.001	0.272	0.272	Free Surfac	1.044	0.699	0.835	0.466	0.241	0.282	0.326	No	0.466	1.044	5.95	6	2
02148	2151	2152	8	290.39	0.004	0.278	0.278	Free Surfac	2.093	0.406	0.346	0.27	0.244	0.819	0.804	No	0.27	2.093			
02149	2191	2190	8	361.62	0.022	0.006	0.006	Free Surfac	1.18	0.042	0.003	0.028	0.034	1.517	1.799	Yes	0.115	0.148			
02150	2193	2192	8	110.24	0.055	0.361	0.361	Free Surfac	5.565	0.241	0.127	0.161	0.279	2.909	2.831	Yes	0.217	3.653			
02151	2192	2190	8	410.99	0.007	0.367	0.367	Free Surfac	2.715	0.411	0.354	0.274	0.282	1.054	1.037	No	0.274	2.715			
02152	2190	2189	8	192.23	0.025	0.379	0.379	Free Surfac	4.256	0.302	0.199	0.201	0.286	1.968	1.907	Yes	0.209	4.051			
02153	2189	2188	8	282.87	0.02	0.384	0.384	Free Surfac	3.924	0.324	0.227	0.216	0.289	1.745	1.693	Yes	0.254	3.145			
02154	2188	2187	8	137.01	0.007	0.39	0.39	Free Surfac	2.652	0.438	0.398	0.292	0.291	0.991	0.982	No	0.292	2.652			
02155	2187	2186	8	136.53	0.008	0.396	0.396	Free Surfac	2.927	0.411	0.355	0.274	0.293	1.135	1.117	No	0.274	2.927			
02156	2186	2183	8	384.09	0.024	0.402	0.402	Free Surfac	4.309	0.313	0.212	0.209	0.295	1.954	1.894	No	0.209	4.309			
02157	2185	2184	8	215.15	0.035	0.006	0.006	Free Surfac	1.38	0.038	0.003	0.025	0.034	1.872	2.255	Yes	0.038	0.756			
02158	2184	2183	8	230.72	0.007	0.012	0.012	Free Surfac	0.989	0.075	0.011	0.05	0.049	0.945	1.031	Yes	0.128	0.253			
02159	2183	2182	8	330.81	0.028	0.42	0.42	Free Surfac	4.601	0.308	0.206	0.205	0.302	2.105	2.04	Yes	0.226	4.037			
02160	2195	2182	8	358.96	0.008	0.006	0.006	Free Surfac	0.82	0.054	0.006	0.036	0.034	0.932	1.066	Yes	0.141	0.11			
02161	2182	2181	8	267.26	0.015	0.432	0.432	Free Surfac	3.689	0.369	0.291	0.246	0.307	1.524	1.486	Yes	0.247	3.663			
02162	2181	2180	8	148.57	0.015	0.438	0.438	Free Surfac	3.688	0.373	0.296	0.249	0.309	1.515	1.478	Yes	0.261	3.448			
02163	2196	2197	8	202.93	0.017	0.006	0.006	Free Surfac	1.086	0.044	0.004	0.03	0.034	1.357	1.596	Yes	0.039	0.72			
02164	2197	2198	8	192.94	0.009	0.012	0.012	Free Surfac	1.046	0.073	0.011	0.048	0.049	1.019	1.117	Yes	0.08	0.496			
02165	2199	2200	8	124.9	0.013	0.006	0.006	Free Surfac	0.973	0.048	0.004	0.032	0.034	1.171	1.363	Yes	0.04	0.681			
02166	2200	2201	8	224.78	0.008	0.012	0.012	Free Surfac	1.022	0.074	0.011	0.049	0.049	0.988	1.081	Yes	0.054	0.878			
02167	2201	2202	8	147.84	0.008	0.018	0.018	Free Surfac	1.146	0.09	0.017	0.06	0.06	1.002	1.069	Yes	0.064	1.037			
02168	2202	2203	8	114.75	0.008	0.024	0.024	Free Surfac	1.259	0.102	0.022	0.068	0.069	1.028	1.079	Yes	0.074	1.113			
02169	2203	2204	8	104.95	0.006	0.03	0.03	Free Surfac	1.241	0.12	0.031	0.08	0.078	0.933	0.961	Yes	0.084	1.162			
02170	2204	2198	8	221.63	0.006	0.036	0.036	Free Surfac	1.31	0.132	0.037	0.088	0.085	0.941	0.96	Yes	0.1	1.083			
02171	2198	2180	8	324.03	0.005	0.053	0.053	Free Surfac	1.374	0.168	0.062	0.112	0.104	0.868	0.865	Yes	0.193	0.635			
02172	2180	2179	8	173.28	0.013	0.497	0.497	Free Surfac	3.673	0.411	0.355	0.274	0.33	1.425	1.402	No	0.274	3.673			
02173	2179	2177	8	163.23	0.019	0.503	0.503	Free Surfac	4.166	0.378	0.303	0.252	0.332	1.699	1.659	No	0.252	4.166			
02174	2178	2177	8	309.34	0.005	0.006	0.006	Free Surfac	0.725	0.058	0.007	0.039	0.034	0.79	0.893	Yes	0.137	0.115			
02175	2177	2176	8	222.26	0.026	0.515	0.515	Free Surfac	4.691	0.352	0.266	0.235	0.336	1.992	1.937	No	0.235	4.691			
02176	2176	2174	8	118.51	0.055	0.521	0.521	Free Surfac	6.18	0.291	0.184	0.194	0.338	2.919	2.829	No	0.194	6.18			
02177	2175	2174	8	398.7	0.006	0.006	0.006	Free Surfac	0.742	0.057	0.006	0.038	0.034	0.814	0.922	Yes	0.114	0.149			
02178	2173	2172	8	279.9	0.005	0.006	0.006	Free Surfac	0.694	0.06	0.007	0.04	0.034	0.745	0.838	Yes	0.116	0.145			
02179	2174	2172	8	266.71	0.061	0.533	0.533	Free Surfac	6.474	0.286	0.178	0.19	0.342	3.087	2.992	Yes	0.191	6.429			
02180	2172	2171	8	155.13	0.061	0.544	0.544	Free Surfac	6.527	0.288	0.181	0.192	0.346	3.096	3	Yes	0.194	6.454			
02181	2171	2169	8	161.87	0.059	0.55	0.55	Free Surfac	6.451	0.293	0.187	0.195	0.348	3.032	2.938	No	0.195	6.451			
02182	2170	2169	8	246.58	0.029	0.006	0.006	Free Surfac	1.301	0.039	0.003	0.026	0.034	1.729	2.07	Yes	0.109	0.159			
02183	2169	2168	8	106.43	0.065	0.562	0.562	Free Surfac	6.735	0.289	0.182	0.192	0.352	3.193	3.094	Yes	0.196	6.567			
02184	2168	2167	8	140.55	0.058	0.568	0.568	Free Surfac	6.474	0.299	0.195	0.199	0.354	3.009	2.916	Yes	0.201	6.398			
02185	2167	2164	8	120.05	0.055	0.574	0.574	Free Surfac	6.39	0.304	0.201	0.203	0.356	2.943	2.852	Yes	0.205	6.307			
02186	2165	2164	8	284.69	0.028	0.006	0.006	Free Surfac	1.289	0.039	0.003	0.026	0.034	1.707	2.042	Yes	0.117	0.145			
02187	2164	2163	8	123.16	0.054	0.586	0.586	Free Surfac	6.355	0.31	0.209	0.207	0.36	2.896	2.807	Yes	0.216	5.999			
02188	2163	2162	8	125.88	0.04	0.592	0.592	Free Surfac	5.735	0.337	0.244	0.224	0.362	2.497	2.424	Yes	0.228	5.608			
02189	2160	2159	8	165.73	0.056	0.61	0.61	Free Surfac	6.532	0.313	0.212	0.209	0.367	2.963	2.872	Yes	0.269	4.619			
02190	2159	2154	8	116.58	0.011	0.615	0.615	Free Surfac	3.577	0.494	0.491	0.33	0.369	1.241	1.255	No	0.33	3.577			
02191	2153	2154	8	86.5	0.009	0.006	0.006	Free Surfac	0.865	0.052	0.005	0.034	0.034	1	1.151	Yes	0.18	0.078			
02192	2154	2155	8	57.99	0.012	0.627	0.627	Free Surfac	3.717	0.487	0.478	0.325	0.373	1.301	1.312	No	0.325	3.717			
02193	2194	2205	8	305.48	0.055	0.006	0.006	Free Surfac	1.618	0.034	0.002	0.023	0.034	2.316	2.835	Yes	0.031	1.029			
02194	2205	2206	8	391.22	0.022	0.012	0.012	Free Surfac	1.457	0.058	0.007	0.039	0.049	1.589	1.797	Yes	0.05	1			
02195	2206	2207	8	321.23	0.007	0.018	0.018	Free Surfac	1.112	0.092	0.017	0.061	0.06	0.962	1.023	Yes	0.067	0.975			
02196	2207	2208	8	271.04	0.006	0.024	0.024	Free Surfac	1.153	0.109	0.025	0.073	0.069	0.913	0.951	Yes	0.075	1.096			
02197	2208	2209	8	223.3	0.007	0.03	0.03	Free Surfac	1.305	0.116	0.029	0.078	0.078	0.998	1.032	No	0.078	1.305			
02198	2209	2210	8	273.28	0.027	0.036	0.036	Free Surfac	2.186	0.093	0.018	0.062	0.085	1.878	1.995	Yes	0.068	1.896			
02199	2211	2212	8	212.98	0.043	0.006	0.006	Free Surfac	1.489	0.036	0.002	0.024	0.034	2.072	2.515	Yes	0.028	1.171			
02200	2212	2210	8	104.63	0.048	0.012	0.012	Free Surfac	1.905	0.048	0.004	0.032	0.049	2.277	2.643	Yes	0.053	0.906			
02201	2210	2214	8	309.41	0.028	0.053	0.053	Free Surfac	2.499	0.112	0.026	0.074	0.104	1.954	2.029	Yes	0.077	2.373			
02202	2213	2214	8	221.35	0.043	0.006	0.006	Free Surfac	1.488	0.036	0.002	0.024	0.034	2.07	2.513	Yes	0.052	0.472			
02203	2214	2216	8	269.9	0.031	0.065	0.065	Free Surfac	2.758	0.12	0.03	0.08	0.116	2.08	2.144	Yes	0.082	2.654			
02204	2215	2216	8	290.47	0.015	0.006	0.006	Free Surfac	1.042	0.046	0.004	0.03	0.034	1.285	1.505	Yes	0.057	0.408			
02205	2216	2218	8	302.64	0.035	0.077	0.077	Free Surfac	3.021	0.126	0.034	0.084	0.126	2.218	2.273	No	0.084	3.021			
02206	2217	2218	8	341.66	0.013	0.006	0.006	Free Surfac	0.992	0.047	0.004	0.031	0.034	1.202	1.401	Yes	0.056	0.425			
02207	2218	2219	8	146.20	0.058	0.089	0.089	Free Surfac	3.753	0.12	0.03	0.08	0.136	2.829	2.915	Yes	0.08	3.718			
02208	2219	2220	8	195.75	0.062	0.095	0.095	Free Surfac	3.928	0.121	0.031	0.081	0.14	2.941	3.026	Yes	0.084	3.713			
02209	2166	2220	8	377.27	0.013	0.006	0.006	Free Surfac	0.971	0.048	0.004	0.032	0.034	1.168	1.358	Yes	0.06	0.385			
02210	2220	2221	8	120.8	0.058	0.107	0.107	Free Surfac	3.956	0.131	0.037	0.087	0.149	2.848	2.906	Yes	0.091	3.741			
02211	2221	2222	8	310.45	0.047	0.113	0.113	Free Surfac	3.742	0.141	0.043	0.094	0.153	2.591	2.624	Yes	0.097	3.565			
02212	2222	2158	8	148.64	0.04	0.118	0.118	Free Surfac	3.58	0.151	0.049	0.101	0.157	2.395	2.41	Yes	0.111	3.101			
02213	2158	2157	8	206.04	0.02	0.124	0.124	Free Surfac	2.859	0.182	0.073	0.122	0.161	1.733	1.715	No	0.122	2.859			
02214	2157	2156	8	222.68	0.033	0.13	0.13	Free Surfac	3.464	0.165	0.059	0.11	0.165	2.213	2.209	Yes	0.12	3.036			
02215	2156	2155	8	169.54	0.018	0.136	0.136	Free Surfac	2.814	0.196	0.084	0.131	0.169	1.64	1.614	Yes	0.219	1.366			
02216	2155	2143	8	350.44	0.021	0.769	0.769	Free Surfac	4.906	0.46	0.433	0.307	0.415	1.779	1.776	Yes	0.382	3.714			
02217	2162	2161	8	158.37	0.036	0.598	0.598	Free Surfac	5.541	0.348	0.26	0.232	0.363	2.369	2.303	No	0.232	5.541			
02218	2161	2160	8	148.47	0.056	0.604	0.604	Free Surfac	6.497	0.312	0.211	0.208	0.365	2.952	2.861	Yes	0.208	6.483			
02219	2224	2223	8	278.16	0.016	0.865	0.865	Free Surfac	4.564	0.534	0.557	0.356	0.441	1.507	1.551	Yes	0.405	3.899			
02220	2223	2239	8	292.76	0.01	0.956	0.956	Free Surfac	3.777	0.681	0.806	0.454	0.464	1.043	1.185	No	0.454	3.777	6.19	8	2
02221	2239	2240	8	398.82	0.016	0.962	0.962	Free Surfac	4.689	0.569	0.618	0.379	0.465	1.483	1.555	No	0.379	4.689			
02222	2240	2241	8	199.65	0.062	1.222	1.222	Free Surfac	8.173	0.444	0.406	0.296	0.523	3.031	3.009	No	0.296	8.173			
02223	2241	2242	8	202.34	0.109	1.229	1.229	Free Surfac	10.091	0.38	0.307	0.253	0.525	4.1	4.005	Yes	0.259	9.782			
02224	2242	2243	8	209.37	0.093	1.235	1.235	Free Surfac	9.536	0.398	0.334	0.265	0.526	3.773	3.699	Yes	0.272	9.244			
02225	2251	2250	8	192.06	0.006	0.006	0.006	Free Surfac	0.771	0.057	0.006	0.038	0.035	0.851	0.966	Yes	0.046	0.576			
02226	2250	2249	8	223.31	0.005	0.012	0.012	Free Surfac	0.903	0.081	0.014	0.054	0.049	0.829	0.896	Yes	0.076	0.546			
02227	2249	2248	8	350.37	0.006	0.042	0.042	Free Surfac	1.32	0.148	0.047	0.099	0.093	0.892	0.899	Yes	0.102	1.26			
02228	2248	2247	8	146.29	0.006	0.049	0.049	Free Surfac	1.376	0.158	0.054	0.105	0.1	0.9	0.902	Yes	0.105	1.37			
02229	2247	2246	8	100.87	0.007	0.055	0.055	Free Surfac	1.535	0.159	0.054	0.106	0.106	1.001	1.002	Yes	0.11	1.456			
02230	2246	2245	8	161.84	0.006	0.061	0.061	Free Surfac	1.538	0.17	0.063	0.114	0.112	0.967	0.962	Yes	0.17	0.864			
02231	2245	2244	8	82.44	0.007	0.249	0.249	Free Surfac	2.375	0.34	0.249	0.227	0.23	1.028	0.999	Yes	0.228	2.36			
02232	2244	2240	8	106.23	0.007	0.255	0.255	Free Surfac	2.402	0.343	0.254	0.229	0.233	1.034	1.004	Yes	0.262	1.997			
02233	2255	2254	8	104.59	0.076	0.006	0.006	Free Surfac	1.824	0.032	0.002	0.021	0.035	2.695	3.332	Yes	0.024	1.504			
02234	2254	2253	8	111.32	0.106	0.012	0.012	Free Surfac	2.536	0.041	0.003	0.027	0.049	3.314	3.948	Yes	0.031	2.106			
02235	2253	2252	8	288.24	0.087	0.018	0.018	Free Surfac	2.678	0.051	0.005	0.034	0.061	3.106	3.575	Yes	0.04	2.115			
02236	2252	2249	8	160.45	0.044	0.024	0.024	Free Surfac	2.302	0.069	0.01	0.046	0.07	2.297	2.536	Yes	0.072	1.185			
02237	2238	2237	8	251.52	0.005	0.006	0.006	Free Surfac	0.725	0.059	0.007	0.039	0.035	0.784	0.884	No	0.039	0.725			
02238	2237	2228	8	249.87	0.026	0.012	0.012	Free Surfac	1.558	0.056	0.006	0.038	0.049	1.724	1.959	No	0.038	1.558			
02239	2228	2227	8	199.79	0.089	0.018	0.018	Free Surfac	2.702	0.051	0.005	0.034	0.061	3.143	3.62	Yes	0.036	2.459			
02240	2227	2226	8	92.61	0.094	0.024	0.024	Free Surfac	3.002	0.058	0.007	0.039	0.07	3.281	3.714	Yes	0.041	2.771			
02241	2226	2225	8	142.97	0.094	0.03	0.03	Free Surfac	3.21	0.064	0.008	0.043	0.078	3.326	3.709	Yes	0.065	1.719			
02242	2225	2223	8	211.11	0.035	0.085	0.085	Free Surfac	3.12	0.132	0.037	0.088	0.132	2.238	2.282	Yes	0.271	0.638			
02243	2236	2235	8	365.25	0.065	0.006	0.006	Free Surfac	1.729	0.033	0.002	0.022	0.035	2.509	3.086	Yes	0.028	1.23			
02244	2235	2234	8	58.92	0.044	0.012	0.012	Free Surfac	1.866	0.05	0.005	0.033	0.049	2.198	2.54	Yes	0.039	1.483			
02245	2234	2233	8	60.36	0.029	0.018	0.018	Free Surfac	1.823	0.067	0.009	0.044	0.061	1.854	2.057	Yes	0.056	1.284			
02246	2233	2232	8	174.46	0.008	0.024	0.024	Free Surfac	1.292	0.102	0.022	0.068	0.07	1.056	1.108	Yes	0.075	1.123			
02247	2232	2229	8	51.05	0.006	0.03	0.03	Free Surfac	1.235	0.123	0.032	0.082	0.078	0.919	0.944	No	0.082	1.235			
02248	2229	2225	8	101	0.048	0.049	0.049	Free Surfac	2.923	0.094	0.018	0.063	0.1	2.494	2.644	Yes	0.075	2.234			
02249	2231	2230	8	139.58	0.073	0.006	0.006	Free Surfac	1.798	0.032	0.002	0.021	0.035	2.644	3.264	Yes	0.024	1.494			
02250	2230	2229	8	86.45	0.106	0.012	0.012	Free Surfac	2.534	0.041	0.003	0.027	0.049	3.31	3.944	Yes	0.045	1.196			
02251	2263	2262	8	180.33	0.04	0.006	0.006	Free Surfac	1.457	0.037	0.003	0.025	0.035	1.995	2.411	Yes	0.03	1.104			
02252	2262	2261	8	69.54	0.036	0.012	0.012	Free Surfac	1.748	0.052	0.005	0.035	0.049	2.012	2.311	Yes	0.039	1.499			
02253	2261	2260	8	71.28	0.035	0.018	0.018	Free Surfac	1.958	0.063	0.008	0.042	0.061	2.04	2.278	Yes	0.05	1.535			
02254	2260	2259	8	114.85	0.039	0.036	0.036	Free Surfac	2.492	0.086	0.015	0.057	0.086	2.222	2.382	Yes	0.06	2.331			
02255	2259	2258	8	67.3	0.036	0.042	0.042	Free Surfac	2.552	0.094	0.018	0.063	0.093	2.176	2.307	No	0.063	2.552			
02256	2258	2257	8	117.29	0.05	0.049	0.049	Free Surfac	2.983	0.093	0.018	0.062	0.1	2.563	2.722	Yes	0.064	2.812			
02257	2257	2256	8	76.92	0.046	0.055	0.055	Free Surfac	2.99	0.1	0.021	0.067	0.106	2.468	2.596	Yes	0.098	1.718			
02258	2256	2245	8	104.93	0.034	0.182	0.182	Free Surfac	3.855	0.193	0.081	0.129	0.196	2.268	2.235	Yes	0.178	2.437			
02259	2265	2264	8	141.73	0.007	0.006	0.006	Free Surfac	0.803	0.055	0.006	0.037	0.035	0.898	1.023	Yes	0.039	0.743			
02260	2264	2260	8	71.51	0.018	0.012	0.012	Free Surfac	1.38	0.061	0.007	0.041	0.049	1.466	1.646	Yes	0.049	1.047			
02261	2272	2271	8	184.07	0.043	0.006	0.006	Free Surfac	1.498	0.036	0.002	0.024	0.035	2.071	2.51	Yes	0.036	0.835			
02262	2271	2270	8	36.25	0.01	0.012	0.012	Free Surfac	1.101	0.071	0.01	0.047	0.049	1.083	1.191	Yes	0.072	0.592			
02263	2270	2268	8	57.7	0.03	0.097	0.097	Free Surfac	3.073	0.146	0.046	0.097	0.142	2.091	2.11	Yes	0.098	3.031			
02264	2268	2266	8	149.65	0.035	0.109	0.109	Free Surfac	3.363	0.149	0.048	0.099	0.151	2.266	2.282	Yes	0.101	3.284			
02265	2266	2256	8	76.52	0.038	0.121	0.121	Free Surfac	3.564	0.154	0.051	0.103	0.159	2.361	2.371	Yes	0.116	2.997			

02266	2267	2266	8	125.74	0.012	0.006	0.006	Free Surfac	0.951	0.049	0.005	0.033	0.035	1.127	1.306	Yes	0.068	0.327			
02267	2269	2268	8	120.61	0.009	0.006	0.006	Free Surfac	0.872	0.052	0.005	0.035	0.035	1.003	1.152	Yes	0.067	0.331			
02268	2279	2278	8	113.89	0.026	0.006	0.006	Free Surfac	1.257	0.041	0.003	0.027	0.035	1.638	1.95	Yes	0.032	0.984			
02269	2278	2277	8	190.54	0.028	0.012	0.012	Free Surfac	1.595	0.055	0.006	0.037	0.049	1.78	2.026	Yes	0.052	0.973			
02270	2277	2275	8	123.37	0.048	0.055	0.055	Free Surfac	3.031	0.099	0.021	0.066	0.106	2.514	2.647	Yes	0.084	2.158			
02271	2275	2273	8	143.97	0.012	0.067	0.067	Free Surfac	2.006	0.151	0.05	0.101	0.117	1.34	1.347	Yes	0.102	1.978			
02272	2273	2270	8	92.18	0.016	0.079	0.079	Free Surfac	2.305	0.154	0.052	0.103	0.128	1.524	1.53	No	0.103	2.305			
02273	2274	2273	8	123.15	0.007	0.006	0.006	Free Surfac	0.807	0.055	0.006	0.037	0.035	0.904	1.03	Yes	0.07	0.312			
02274	2276	2275	8	116.94	0.007	0.006	0.006	Free Surfac	0.788	0.056	0.006	0.037	0.035	0.876	0.996	Yes	0.069	0.317			
02275	2280	2277	8	152.72	0.055	0.036	0.036	Free Surfac	2.823	0.079	0.013	0.053	0.086	2.629	2.85	Yes	0.06	2.366			
02276	2285	2280	8	127.68	0.027	0.018	0.018	Free Surfac	1.779	0.068	0.009	0.045	0.061	1.794	1.986	Yes	0.049	1.577			
02277	2284	2285	8	55.93	0.023	0.012	0.012	Free Surfac	1.491	0.058	0.007	0.039	0.049	1.627	1.84	Yes	0.042	1.324			
02278	2283	2284	8	46.39	0.01	0.006	0.006	Free Surfac	0.907	0.051	0.005	0.034	0.035	1.058	1.22	Yes	0.036	0.82			
02279	2282	2281	8	77.88	0.023	0.006	0.006	Free Surfac	1.199	0.042	0.003	0.028	0.035	1.537	1.821	Yes	0.032	0.973			
02280	2281	2280	8	108.3	0.029	0.012	0.012	Free Surfac	1.622	0.055	0.006	0.037	0.049	1.821	2.076	Yes	0.045	1.205			
02281	2286	2287	8	275.33	0.015	0.004	0.004	Free Surfac	0.883	0.037	0.002	0.024	0.027	1.213	1.468	Yes	0.029	0.681			
02282	2287	2288	8	244.54	0.015	0.007	0.007	Free Surfac	1.094	0.051	0.005	0.034	0.038	1.278	1.474	Yes	0.034	1.09			
02283	2288	2292	8	229.31	0.033	0.011	0.011	Free Surfac	1.63	0.051	0.005	0.034	0.047	1.9	2.19	Yes	0.667	0.031			
02284	2289	2290	8	255.31	0.024	0.004	0.004	Free Surfac	1.042	0.033	0.002	0.022	0.027	1.515	1.864	Yes	0.667	0.01			
02285	2290	2068	8	131.68	0.004	0.007	0.007	Pressurized	0.676	0.07	0.01	0.047	0.038	0.671	0.739	Yes	0.667	0.021			
02286	2291	2292	8	149.22	0.029	0.004	0.004	Free Surfac	1.124	0.031	0.002	0.021	0.027	1.676	2.078	Yes	0.667	0.01			
02287	2292	2293	8	114.4	0.006	0.018	0.018	Pressurized	1.051	0.097	0.019	0.064	0.061	0.884	0.934	Yes	0.667	0.052			
02288	2293	2071	8	35.13	0.005	0.022	0.022	Pressurized	1.033	0.111	0.026	0.074	0.066	0.811	0.843	Yes	0.667	0.063			
02289	2329	2328	8	120.45	0.058	0.046	0.046	Free Surfac	3.082	0.087	0.016	0.058	0.097	2.734	2.927	Yes	0.069	2.396			
02290	2328	2327	8	143.38	0.019	0.051	0.051	Free Surfac	2.176	0.12	0.03	0.08	0.103	1.64	1.69	Yes	0.09	1.824			
02291	2327	2326	8	104.57	0.041	0.12	0.12	Free Surfac	3.637	0.151	0.049	0.1	0.158	2.436	2.451	Yes	0.105	3.402			
02292	2326	2325	8	91	0.031	0.126	0.126	Free Surfac	3.344	0.165	0.059	0.11	0.162	2.137	2.133	Yes	0.11	3.343			
02293	2325	2319	8	102.70	0.034	0.132	0.132	Free Surfac	3.494	0.165	0.059	0.11	0.166	2.232	2.227	Yes	0.123	2.968			
02294	2319	2318	8	28.16	0.022	0.166	0.166	Free Surfac	3.235	0.204	0.091	0.136	0.187	1.846	1.812	Yes	0.157	2.638			
02295	2324	2323	8	135.83	0.02	0.006	0.006	Free Surfac	1.119	0.042	0.003	0.028	0.034	1.43	1.692	Yes	0.033	0.884			
02296	2323	2322	8	179.7	0.022	0.011	0.011	Free Surfac	1.443	0.057	0.006	0.038	0.048	1.588	1.801	Yes	0.041	1.29			
02297	2322	2321	8	96.4	0.027	0.017	0.017	Free Surfac	1.745	0.066	0.009	0.044	0.059	1.784	1.982	Yes	0.045	1.692			
02298	2321	2320	8	57.82	0.04	0.023	0.023	Free Surfac	2.189	0.069	0.009	0.046	0.068	2.192	2.422	Yes	0.061	1.424			
02299	2320	2319	8	128.81	0.007	0.029	0.029	Free Surfac	1.279	0.115	0.028	0.077	0.076	0.984	1.018	Yes	0.107	0.795			
02300	2318	2317	8	104.88	0.008	0.172	0.172	Free Surfac	2.288	0.267	0.156	0.178	0.19	1.131	1.097	Yes	0.186	2.155			
02301	2317	2316	8	128.49	0.006	0.177	0.177	Free Surfac	2.102	0.291	0.184	0.194	0.193	0.993	0.962	No	0.194	2.102			
02302	2316	2315	8	118.67	0.008	0.183	0.183	Free Surfac	2.328	0.276	0.167	0.184	0.196	1.13	1.095	Yes	0.204	2.022			
02303	2315	2314	8	147.71	0.011	0.303	0.303	Free Surfac	2.95	0.335	0.243	0.224	0.255	1.287	1.249	No	0.224	2.95			
02304	2314	2313	8	115.7	0.017	0.309	0.309	Free Surfac	3.474	0.302	0.198	0.201	0.257	1.607	1.557	Yes	0.201	3.471			
02305	2313	2312	8	77.95	0.017	0.314	0.314	Free Surfac	3.533	0.302	0.199	0.202	0.26	1.633	1.583	Yes	0.233	2.899			
02306	2312	2311	8	247.29	0.006	0.32	0.32	Free Surfac	2.49	0.396	0.331	0.264	0.262	0.988	0.968	Yes	0.267	2.45			
02307	2311	2310	8	247.36	0.006	0.326	0.326	Free Surfac	2.455	0.405	0.345	0.27	0.265	0.961	0.943	Yes	0.273	2.425			
02308	2310	2309	8	367.21	0.006	0.332	0.332	Free Surfac	2.439	0.413	0.357	0.275	0.267	0.944	0.929	No	0.275	2.439			
02309	2309	2308	8	425.38	0.024	0.337	0.337	Free Surfac	4.062	0.288	0.18	0.192	0.27	1.929	1.87	No	0.192	4.062			
02310	2308	2307	8	392.42	0.033	0.343	0.343	Free Surfac	4.594	0.267	0.155	0.178	0.272	2.275	2.207	No	0.178	4.594			
02311	2307	2305	8	370.67	0.041	0.349	0.349	Free Surfac	4.973	0.255	0.142	0.17	0.274	2.523	2.45	No	0.17	4.973			
02312	2306	2305	8	78.79	0.014	0.006	0.006	Free Surfac	0.996	0.046	0.004	0.031	0.034	1.223	1.432	Yes	0.093	0.193			
02313	2305	2304	8	214.23	0.062	0.36	0.36	Free Surfac	5.804	0.234	0.12	0.156	0.279	3.084	3.005	Yes	0.157	5.743			
02314	2304	2303	8	342.32	0.06	0.366	0.366	Free Surfac	5.774	0.237	0.123	0.158	0.281	3.044	2.965	Yes	0.173	5.08			
02315	2303	2302	8	301.31	0.031	0.372	0.372	Free Surfac	4.591	0.282	0.174	0.188	0.283	2.203	2.135	Yes	0.24	3.278			
02316	2302	2301	8	243.77	0.006	0.377	0.377	Free Surfac	2.56	0.439	0.398	0.293	0.286	0.956	0.947	No	0.293	2.56			
02317	2301	2299	8	243.46	0.028	0.383	0.383	Free Surfac	4.477	0.294	0.188	0.196	0.288	2.102	2.037	Yes	0.25	3.2			
02318	2300	2299	8	89.52	0.016	0.006	0.006	Free Surfac	1.054	0.044	0.004	0.029	0.034	1.319	1.553	Yes	0.167	0.084			
02319	2299	2298	8	165.79	0.006	0.395	0.395	Free Surfac	2.539	0.457	0.428	0.305	0.292	0.925	0.922	No	0.305	2.539			
02320	2298	2297	8	151.39	0.007	0.4	0.4	Free Surfac	2.695	0.441	0.402	0.294	0.295	1.003	0.995	No	0.294	2.695			
02321	2297	2296	8	158.18	0.008	0.406	0.406	Free Surfac	2.902	0.422	0.371	0.281	0.297	1.109	1.094	Yes	0.3	2.661			
02322	2296	2295	8	351.70	0.005	0.412	0.412	Free Surfac	2.491	0.479	0.465	0.319	0.299	0.882	0.886	No	0.319	2.491			
02323	2295	2294	8	315.83	0.016	0.417	0.417	Free Surfac	3.739	0.356	0.272	0.238	0.301	1.576	1.534	Yes	0.667	1.196			
02324	2294	87	8	84.6	0.008	0.423	0.423	Free Surfac	2.886	0.437	0.395	0.291	0.303	1.08	1.07	Yes	0.31	2.662			
02325	2334	2333	8	95.72	0.015	0.029	0.029	Free Surfac	1.666	0.096	0.019	0.064	0.076	1.405	1.486	Yes	0.07	1.476			
02326	2333	2332	8	103.26	0.011	0.034	0.034	Free Surfac	1.585	0.113	0.027	0.075	0.084	1.232	1.279	No	0.075	1.585			
02327	2332	2331	8	97.94	0.017	0.04	0.04	Free Surfac	1.91	0.11	0.026	0.073	0.09	1.503	1.563	Yes	0.083	1.609			
02328	2331	2330	8	116.74	0.013	0.057	0.057	Free Surfac	1.973	0.138	0.041	0.092	0.108	1.384	1.405	No	0.092	1.973			
02329	2330	2327	8	157.61	0.098	0.063	0.063	Free Surfac	4.072	0.09	0.017	0.06	0.114	3.562	3.801	Yes	0.08	2.649			
02330	2342	2343	8	160.53	0.049	0.069	0.069	Free Surfac	3.273	0.11	0.026	0.074	0.119	2.574	2.678	Yes	0.078	2.974			
02331	2343	2336	8	131.37	0.034	0.074	0.074	Free Surfac	2.945	0.125	0.033	0.083	0.124	2.17	2.225	Yes	0.106	2.068			
02332	2336	2335	8	131.76	0.012	0.109	0.109	Free Surfac	2.282	0.194	0.082	0.129	0.15	1.338	1.318	No	0.129	2.282			
02333	2335	2315	8	86.2	0.176	0.114	0.114	Free Surfac	5.97	0.104	0.023	0.069	0.154	4.847	5.078	Yes	0.146	2.014			
02334	2341	2340	8	143.14	0.018	0.006	0.006	Free Surfac	1.091	0.043	0.004	0.029	0.034	1.383	1.633	Yes	0.03	1.025			
02335	2340	2339	8	94.24	0.051	0.011	0.011	Free Surfac	1.932	0.047	0.004	0.031	0.048	2.349	2.74	Yes	0.036	1.551			
02336	2339	2338	8	84.55	0.035	0.017	0.017	Free Surfac	1.923	0.062	0.008	0.041	0.059	2.032	2.278	Yes	0.052	1.363			
02337	2338	2337	8	94.68	0.011	0.023	0.023	Free Surfac	1.377	0.094	0.018	0.063	0.068	1.174	1.245	Yes	0.07	1.175			
02338	2337	2336	8	129.08	0.007	0.029	0.029	Free Surfac	1.273	0.116	0.028	0.077	0.076	0.978	1.012	Yes	0.103	0.832			
02339	2344	2342	8	149.01	0.021	0.063	0.063	Free Surfac	2.389	0.129	0.035	0.086	0.114	1.734	1.773	No	0.086	2.389			
02340	1239	2350	12	160.99	0.007	1.271	1.271	Free Surfac	3.655	0.455	0.425	0.455	0.476	1.09	2.993	Yes	0.456	3.644			
02341	2350	2349	12	224.3	0.007	1.281	1.281	Free Surfac	3.659	0.457	0.429	0.457	0.478	1.088	2.989	Yes	1	1.631			
02342	2349	2348	12	65.33	0.005	1.285	1.285	Pressurized	3.148	0.516	0.527	0.516	0.479	0.868	2.441	Yes	1	1.637			
02343	2348	2347	12	285.11	0.003	1.295	1.295	Pressurized	2.697	0.588	0.651	0.588	0.481	0.681	1.989	Yes	1	1.648			
02344	2347	2346	12	100.32	0.003	1.304	1.304	Pressurized	2.701	0.591	0.656	0.591	0.482	0.679	1.989	Yes	1	1.66			
02345	2346	2345	12	192.24	0.003	1.309	1.309	Pressurized	2.819	0.572	0.623	0.572	0.483	0.725	2.099	Yes	1	1.666			
02346	2345	1222	12	288.19	0.003	1.318	1.318	Pressurized	2.637	0.608	0.685	0.608	0.485	0.65	1.923	Yes	1	1.678			
02347	2351	2353	8	5	0.192	0.02	0.02	Free Surfac	3.633	0.045	0.004	0.03	0.064	4.52	5.309	Yes	0.667	0.058			
02348	2354	2345	8	367.41	0.005	0.005	0.005	Pressurized	0.659	0.053	0.005	0.035	0.031	0.754	0.864	Yes	0.667	0.013			
02349	2361	2347	8	369.74	0.006	0.005	0.005	Free Surfac	0.714	0.05	0.005	0.033	0.031	0.839	0.97	Yes	0.667	0.013			
02350	2360	2348	8	367.3	0.008	0.005	0.005	Free Surfac	0.776	0.047	0.004	0.032	0.031	0.938	1.093	Yes	0.667	0.013			
02351	2359	2350	8	377.93	0.005	0.005	0.005	Free Surfac	0.663	0.053	0.005	0.035	0.031	0.761	0.873	Yes	0.246	0.04			
02352	2358	2357	8	204.43	0.005	0.005	0.005	Free Surfac	0.654	0.053	0.005	0.035	0.031	0.746	0.855	Yes	0.041	0.517			
02353	2357	2356	8	356.01	0.004	0.009	0.009	Free Surfac	0.772	0.076	0.012	0.051	0.043	0.736	0.802	Yes	0.055	0.676			
02354	2356	2355	8	354.66	0.005	0.014	0.014	Free Surfac	0.897	0.09	0.017	0.06	0.053	0.782	0.834	Yes	0.063	0.839			
02355	2355	2353	8	283.88	0.006	0.019	0.019	Free Surfac	1.051	0.098	0.02	0.066	0.061	0.876	0.924	Yes	0.558	0.06			
02356	2365	2366	8	308.02	0.005	0.002	0.002	Free Surfac	0.522	0.036	0.002	0.024	0.02	0.729	0.887	Yes	0.032	0.329			
02357	2366	2368	8	256.43	0.005	0.006	0.006	Free Surfac	0.696	0.061	0.007	0.041	0.035	0.738	0.829	Yes	0.063	0.369			
02358	2368	2369	8	262.24	0.004	0.008	0.008	Free Surfac	0.741	0.071	0.01	0.048	0.041	0.727	0.799	Yes	0.655	0.024			
02359	2369	2370	8	156.54	0.005	0.014	0.014	Pressurized	0.912	0.091	0.017	0.06	0.054	0.793	0.844	Yes	0.667	0.041			
02360	2370	1549	8	190.38	0.001	0.016	0.016	Pressurized	0.475	0.155	0.052	0.103	0.058	0.313	0.314	Yes	0.667	0.047			
02361	2372	2371	8	391.39	0.004	0.002	0.002	Free Surfac	0.461	0.039	0.003	0.026	0.02	0.618	0.743	Yes	0.23	0.019			
02362	2371	2369	8	159.01	0.005	0.004	0.004	Free Surfac	0.628	0.05	0.005	0.033	0.029	0.739	0.854	Yes	0.667	0.012			
02363	2362	2363	8	151.27	0.006	0.002	0.002	Pressurized	0.556	0.034	0.002	0.023	0.02	0.793	0.97	Yes	0.667	0.006			
02364	2363	1656	8	288.39	0.004	0.004	0.004	Pressurized	0.601	0.052	0.005	0.034	0.029	0.696	0.801	Yes	0.667	0.012			
02365	2364	1656	8	147.77	0	0.002	0.002	Pressurized	0.225	0.063	0.008	0.042	0.02	0.236	0.264	Yes	0.667	0.006			
02366	2367	2366	8	148.84	0.004	0.002	0.002	Free Surfac	0.453	0.039	0.003	0.026	0.02	0.603	0.723	Yes	0.033	0.312			
02367	2375	2374	8	288.32	0.005	0.006	0.006	Free Surfac	0.698	0.057	0.006	0.038	0.033	0.768	0.871	Yes	0.044	0.564			
02368	2374	2373	8	293.85	0.007	0.011	0.011	Free Surfac	0.937	0.075	0.011	0.05	0.047	0.899	0.982	Yes	0.057	0.762			
02369	2383	2373	8	102.05	0.028	0.022	0.022	Free Surfac	1.914	0.074	0.011	0.049	0.067	1.85	2.025	Yes	0.057	1.538			
02370	2381	2380	8	232.61	0.005	0.006	0.006	Free Surfac	0.666	0.059	0.007	0.039	0.033	0.721	0.814	Yes	0.043	0.579			
02371	2380	2379	8	249.03	0.008	0.011	0.011	Free Surfac	1.019	0.071	0.01	0.047	0.047	1.006	1.107	Yes	0.056	0.794			
02372	2379	2378	8	168.36	0.005	0.017	0.017	Free Surfac	0.962	0.097	0.019	0.064	0.058	0.81	0.856	Yes	0.068	0.88			
02373	2378	2377	8	250.02	0.005	0.022	0.022	Free Surfac	1.079	0.109	0.025	0.073	0.067	0.855	0.89	Yes	0.077	0.994			
02374	2377	2376	8	252.23	0.005	0.028	0.028	Free Surfac	1.15	0.121	0.031	0.081	0.075	0.861	0.886	No	0.081	1.15			
02375	2376	2382	8	398.05	0.02	0.033	0.033	Free Surfac	1.91	0.097	0.02	0.065	0.082	1.603	1.692	Yes	0.119	0.788			
02376	2384	2385	8	212.28	0.004	0.006	0.006	Free Surfac	0.657	0.059	0.007	0.04	0.033	0.708	0.798	Yes	0.052	0.441			
02377	2385	1620	8	253.02	0.002	0.011	0.011	Free Surfac	0.646	0.096	0.019	0.064	0.047	0.545	0.576	No	0.064	0.646			
02378	2386	2387	8	276.93	0.007	0.007	0.007	Free Surfac	0.803	0.058	0.007	0.039	0.036	0.876	0.99	Yes	0.308	0.041			
02379	2387	1999	8	74.66	0.01	0.078	0.078	Free Surfac	1.984	0.171	0.063	0.114	0.127	1.245	1.238	Yes	0.667	0.225			
02380	2388	2387	8	269.46	0.006	0.065	0.065	Free Surfac	1.523	0.181	0.071	0.12	0.116	0.928	0.919	Yes	0.349	0.354			
02381	2389	2388	8	274.84	0.006	0.039	0.039	Free Surfac	1.329	0.139	0.042	0.093	0.089	0.926	0.939	Yes	0.107	1.088			
02382	2390	2389	8	300.43	0.005	0.033	0.033	Free Surfac	1.185	0.133	0.038	0.089	0.082	0.846	0.862	Yes	0.091	1.145			
02383	2391	2390	8	298.99	0.005	0.026	0.026	Free Surfac	1.089	0.121	0.031	0.081	0.073	0.817	0.841	Yes	0.085	1.014			
02384	2392	2391	8	302.29	0.005	0.02	0.02	Free Surfac	1.028	0.103	0.022	0.069	0.063	0.836	0.876	Yes	0.075	0.912			
02385	2393	2394	8	158.55	0.008	0.007	0.007	Free Surfac	0.867	0.055	0.006	0.037	0.036	0.97	1.106	Yes	0.047	0.605			
02386	2394	2395	8	395.42	0.005	0.013	0.013	Free Surfac	0.907	0.085	0.015	0.057	0.051	0.813	0.872	Yes	0.062	0.793			
02387	2395	2388	8	390.16	0.006	0.02	0.02	Free Surfac	1.051	0.102	0.022	0.068	0.063	0.861	0.904	Yes	0.094	0.652			
02388	2396	2397	8	401.59	0.007	0.007	0.007	Free Surfac	0.824	0.057	0.006	0.038	0.036	0.906	1.028	Yes	0.046	0.629			
02389	2397	2398	8	399.3	0.007	0.013	0.013	Free Surfac	1.002	0.08	0.013	0.053	0.051	0.929	1.005	Yes	0.059	0.86			
02390	2398	1997	8	403.66	0.007	0.02	0.02	Free Surfac	1.125	0.097	0.02	0.065	0.063	0.944	0.996	Yes	0.301	0.128			
02391	2400	2399	8	297.33	0.006	0.007	0.007	Free Surfac	0.792	0.059	0.007	0.039	0.036	0.86	0.971	Yes	0.047	0.597			
02392	2399	2392	8	184.6	0.006	0.013	0.013	Free Surfac	0.943	0.083	0.014	0.055	0.051	0.857	0.922	Yes	0.062	0.797			

02393	2409	2410	15	331.87	0.003	24.88	24.88	Pressurized	20.274	1	7.46	1.25	0.736	3.196	3.335	Yes	1.25	20.274	26.33	30	2
02394	2410	2411	15	323.57	0.014	24.885	24.885	Pressurized	20.278	1	3.272	1.25	1.095	3.196	7.604	Yes	1.25	20.278	19.73	21	2
02395	2411	2412	15	320.75	0.005	24.889	24.889	Pressurized	20.281	1	5.342	1.25	0.875	3.197	4.66	Yes	1.25	20.281	23.93	24	2
02396	2408	2407	8	249.86	0.006	1.42	1.42	Pressurized	4.069	1	1.503	0.667	0.461	0.878	0.945	Yes	0.667	4.069	7.90	8	2
02397	2407	2406	8	254.28	0.003	1.425	1.425	Pressurized	4.081	1	2.151	0.667	0.384	0.881	0.662	Yes	0.667	4.081	11.68	12	1
02398	2406	2403	8	320.26	0.006	1.429	1.429	Pressurized	4.093	1	1.543	0.667	0.456	0.883	0.926	Yes	0.667	4.093	7.92	8	2
02399	2405	2404	8	270.18	0.005	0.004	0.004	Pressurized	0.639	0.051	0.005	0.034	0.029	0.746	0.86	Yes	0.667	0.012			
02400	2404	2403	8	237.75	0.004	0.009	0.009	Pressurized	0.756	0.072	0.011	0.048	0.041	0.737	0.809	Yes	0.667	0.024			
02401	2403	2402	8	353	0.012	1.442	1.442	Pressurized	4.13	1	1.104	0.667	0.54	0.891	1.306	Yes	0.667	4.13	6.98	8	2
02402	2402	2401	8	350	0.006	1.446	1.446	Pressurized	4.142	1	1.599	0.667	0.451	0.894	0.904	Yes	0.667	4.142	7.96	8	2
02403	2401	2412	8	129.82	0.014	1.45	1.45	Pressurized	4.154	1	1.014	0.667	0.562	0.897	1.431	Yes	0.667	4.154	6.79	8	2
02404	2424	2423	8	347.53	0.005	24.157	24.157	Pressurized	69.205	1	27.402	0.667	0.445	14.937	0.882	Yes	0.667	69.205	23.66	24	2
02405	2423	2422	8	350.85	0.009	24.161	24.161	Pressurized	69.217	1	20.5	0.667	0.514	14.939	1.179	Yes	0.667	69.217	21.20	24	2
02406	2422	2421	8	349.41	0.01	24.166	24.166	Pressurized	69.23	1	20.34	0.667	0.516	14.942	1.188	Yes	0.667	69.23	20.78	21	2
02407	2421	2420	8	351.56	0.009	24.17	24.17	Pressurized	69.242	1	21.348	0.667	0.505	14.945	1.132	Yes	0.667	69.242	21.20	24	2
02408	2420	2419	8	350.85	0.006	24.174	24.174	Pressurized	69.254	1	25.37	0.667	0.463	14.947	0.953	Yes	0.667	69.254	22.88	24	2
02409	2419	2413	8	363.54	0.01	24.178	24.178	Pressurized	69.266	1	20.054	0.667	0.52	14.95	1.206	Yes	0.667	69.266	20.79	21	2
02410	2413	2409	8	330.81	0.008	24.876	24.876	Pressurized	71.265	1	22.897	0.667	0.495	15.381	1.086	Yes	0.667	71.265	21.91	24	2
02411	2434	2432	8	167.01	0.014	0.017	0.017	Free Surfac	1.402	0.076	0.012	0.051	0.059	1.333	1.452	Yes	0.058	1.16			
02412	2433	2432	8	125.03	0.015	0.004	0.004	Free Surfac	0.939	0.039	0.003	0.026	0.029	1.25	1.497	Yes	0.045	0.413			
02413	2432	2431	8	90.38	0.012	0.026	0.026	Free Surfac	1.472	0.097	0.02	0.065	0.072	1.236	1.306	Yes	0.134	0.511			
02414	2431	2430	8	142.86	0.011	0.03	0.03	Free Surfac	1.495	0.107	0.024	0.071	0.078	1.197	1.25	Yes	0.667	0.085			
02415	2430	2429	8	218.69	0.005	0.034	0.034	Pressurized	1.212	0.135	0.039	0.09	0.083	0.86	0.875	Yes	0.667	0.098			
02416	2435	2429	8	215.14	0.018	0.021	0.021	Free Surfac	1.611	0.081	0.013	0.054	0.066	1.487	1.608	Yes	0.667	0.061			
02417	2429	2428	8	149.81	0.006	0.06	0.06	Pressurized	1.481	0.173	0.065	0.115	0.111	0.924	0.918	Yes	0.667	0.171			
02418	2428	2427	8	153.44	0.005	0.064	0.064	Pressurized	1.468	0.182	0.073	0.122	0.115	0.889	0.88	Yes	0.667	0.183			
02419	2438	2437	8	94.42	0.013	0.004	0.004	Free Surfac	0.879	0.041	0.003	0.027	0.029	1.143	1.36	Yes	0.667	0.012			
02420	2437	2436	8	247.19	0.01	0.009	0.009	Pressurized	0.991	0.06	0.007	0.04	0.041	1.061	1.194	Yes	0.667	0.024			
02421	2436	2427	8	174.38	0.004	0.013	0.013	Pressurized	0.828	0.09	0.017	0.06	0.051	0.725	0.773	Yes	0.667	0.037			
02422	2427	2426	8	124.96	0.008	0.081	0.081	Pressurized	1.86	0.182	0.073	0.122	0.129	1.128	1.116	Yes	0.667	0.232			
02423	2426	2425	8	191.75	0.004	0.085	0.085	Pressurized	1.508	0.219	0.105	0.146	0.133	0.83	0.811	Yes	0.667	0.244			
02424	2425	2414	8	215.59	0.007	0.128	0.128	Pressurized	1.996	0.239	0.125	0.159	0.163	1.048	1.021	Yes	0.667	0.366			
02425	2439	2440	8	398.93	0.005	0.021	0.021	Free Surfac	1.041	0.108	0.025	0.072	0.066	0.825	0.86	Yes	0.667	0.061			
02426	2440	2441	8	135.46	0.009	0.026	0.026	Pressurized	1.335	0.104	0.023	0.069	0.072	1.084	1.136	Yes	0.667	0.073			
02427	2441	2442	8	157.32	0.005	0.03	0.03	Pressurized	1.184	0.125	0.033	0.083	0.078	0.873	0.896	Yes	0.667	0.085			
02428	2442	2443	8	205.07	0.006	0.034	0.034	Pressurized	1.236	0.133	0.038	0.089	0.083	0.883	0.899	Yes	0.667	0.098			
02429	2443	2425	8	271.68	0.006	0.038	0.038	Pressurized	1.284	0.14	0.042	0.094	0.088	0.892	0.903	Yes	0.667	0.11			
02430	2418	2417	8	400.71	0.006	0.548	0.548	Free Surfac	2.704	0.564	0.61	0.376	0.347	0.86	0.9	Yes	0.667	1.571			
02431	2417	2416	8	380.77	0.005	0.553	0.553	Pressurized	2.628	0.581	0.639	0.387	0.349	0.819	0.865	Yes	0.667	1.583			
02432	2416	2415	8	385.36	0.006	0.557	0.557	Pressurized	2.848	0.547	0.581	0.365	0.35	0.924	0.958	Yes	0.667	1.596			
02433	2415	2414	8	386.22	0.011	0.561	0.561	Pressurized	3.506	0.467	0.445	0.312	0.352	1.26	1.26	Yes	0.667	1.608			
02434	2414	2413	8	162.32	0.009	0.693	0.693	Pressurized	3.427	0.563	0.608	0.375	0.393	1.092	1.141	Yes	0.667	1.986			
02435	2761	2418	8	398.92	0.005	0.544	0.544	Free Surfac	2.666	0.567	0.615	0.378	0.346	0.845	0.885	No	0.378	2.666			
02436	2448	2446	8	241.56	0.071	0.017	0.017	Free Surfac	2.463	0.053	0.005	0.035	0.059	2.818	3.23	Yes	0.04	2.07			
02437	2446	2451	8	248.77	0.043	0.022	0.022	Free Surfac	2.216	0.066	0.009	0.044	0.066	2.266	2.517	Yes	0.046	2.068			
02438	2449	2447	8	315.88	0.06	0.004	0.004	Free Surfac	1.522	0.029	0.001	0.019	0.03	2.366	2.971	Yes	0.024	1.114			
02439	2447	2450	8	326.44	0.047	0.009	0.009	Free Surfac	1.721	0.042	0.003	0.028	0.042	2.206	2.614	Yes	0.042	0.932			
02440	2451	2450	8	280.99	0.042	0.026	0.026	Free Surfac	2.324	0.072	0.01	0.048	0.073	2.269	2.489	Yes	0.053	2.044			
02441	2450	2445	8	306.86	0.047	0.039	0.039	Free Surfac	2.726	0.085	0.015	0.057	0.089	2.445	2.625	Yes	0.068	2.099			
02442	2445	2444	8	96.05	0.015	0.044	0.044	Free Surfac	1.87	0.118	0.03	0.079	0.094	1.418	1.463	Yes	0.08	1.843			
02443	2444	66	8	140.6	0.016	0.048	0.048	Free Surfac	1.998	0.121	0.031	0.081	0.099	1.499	1.543	Yes	0.09	1.701			
02451	2458	2460	8	179.72	0.034	0.014	0.014	Free Surfac	1.779	0.056	0.006	0.037	0.053	1.976	2.247	Yes	0.061	0.856			
02452	2473	2472	8	243.43	0.052	0.139	0.139	Free Surfac	4.127	0.152	0.05	0.102	0.17	2.746	2.76	Yes	0.112	3.572			
02453	2472	2471	8	264.46	0.027	0.147	0.147	Free Surfac	3.319	0.184	0.074	0.123	0.175	1.999	1.977	Yes	0.136	2.883			
02454	2471	2470	8	238.34	0.014	0.155	0.155	Free Surfac	2.68	0.223	0.109	0.148	0.18	1.462	1.428	No	0.148	2.68			
02455	2470	2469	8	296.47	0.029	0.163	0.163	Free Surfac	3.514	0.191	0.08	0.127	0.185	2.08	2.052	Yes	0.132	3.329			
02456	2469	2468	8	221.06	0.023	0.171	0.171	Free Surfac	3.318	0.205	0.093	0.137	0.19	1.888	1.853	Yes	0.139	3.247			
02457	2468	2467	8	164.39	0.023	0.18	0.18	Free Surfac	3.33	0.212	0.098	0.141	0.194	1.866	1.827	Yes	0.153	2.965			
02458	2467	2466	8	390.62	0.013	0.188	0.188	Free Surfac	2.786	0.248	0.135	0.165	0.199	1.435	1.395	Yes	0.172	2.624			
02459	2466	2465	8	237.7	0.01	0.196	0.196	Free Surfac	2.586	0.269	0.159	0.18	0.203	1.273	1.235	No	0.18	2.586			
02460	2465	2463	8	197.40	0.013	0.204	0.204	Free Surfac	2.812	0.261	0.149	0.174	0.208	1.408	1.366	Yes	0.185	2.585			
02461	2463	2464	8	103.32	0.009	0.212	0.212	Free Surfac	2.484	0.293	0.188	0.196	0.212	1.167	1.131	Yes	0.238	1.892			
02462	2464	2462	8	58.54	0.004	0.269	0.269	Free Surfac	1.925	0.422	0.371	0.281	0.24	0.736	0.726	Yes	0.281	1.923			
02463	2462	2461	8	221.35	0.004	0.278	0.278	Free Surfac	1.981	0.422	0.372	0.281	0.244	0.757	0.746	No	0.281	1.981			
02464	2461	2474	8	230.07	0.029	0.286	0.286	Free Surfac	4.153	0.251	0.139	0.168	0.247	2.122	2.062	Yes	0.281	2.048			
02465	2481	2480	8	332.47	0.036	0.008	0.008	Free Surfac	1.549	0.043	0.004	0.029	0.04	1.959	2.311	Yes	0.035	1.172			
02466	2480	2479	8	326.97	0.033	0.016	0.016	Free Surfac	1.855	0.061	0.007	0.041	0.057	1.97	2.212	Yes	0.101	0.491			
02467	2482	2483	8	361.56	0.033	0.008	0.008	Free Surfac	1.491	0.044	0.004	0.03	0.04	1.861	2.188	Yes	0.061	0.51			
02468	2484	2483	8	172.54	0.048	0.057	0.057	Free Surfac	3.084	0.101	0.021	0.068	0.108	2.532	2.661	Yes	0.08	2.401			
02469	2483	2485	8	246.66	0.021	0.073	0.073	Free Surfac	2.496	0.139	0.042	0.093	0.123	1.742	1.766	Yes	0.109	1.979			
02470	2485	2479	8	237.7	0.008	0.082	0.082	Free Surfac	1.802	0.187	0.077	0.125	0.13	1.076	1.063	Yes	0.143	1.486			
02471	2479	2478	8	343.37	0.005	0.106	0.106	Free Surfac	1.632	0.242	0.128	0.161	0.148	0.852	0.83	No	0.161	1.632			
02472	2478	2473	8	311.01	0.014	0.131	0.131	Free Surfac	2.573	0.203	0.09	0.135	0.165	1.474	1.448	No	0.135	2.573			
02473	2476	2477	8	145.95	0.055	0.008	0.008	Free Surfac	1.792	0.039	0.003	0.026	0.04	2.382	2.853	Yes	0.03	1.491			
02474	2477	2478	8	288.02	0.081	0.016	0.016	Free Surfac	2.531	0.05	0.005	0.033	0.057	2.989	3.457	Yes	0.084	0.639			
02475	2497	2496	8	127.15	0.006	0.062	0.062	Free Surfac	1.501	0.176	0.068	0.118	0.113	0.925	0.918	Yes	0.183	0.804			
02476	2496	2495	8	249.29	0.006	0.27	0.27	Free Surfac	2.292	0.371	0.293	0.247	0.24	0.944	0.921	Yes	0.257	2.173			
02477	2495	364	8	293.32	0.014	0.478	0.478	Free Surfac	3.652	0.401	0.339	0.267	0.323	1.438	1.411	Yes	0.306	3.056			
02478	2507	2506	8	98.96	0.016	0.042	0.042	Free Surfac	1.9	0.114	0.027	0.076	0.092	1.472	1.526	Yes	0.106	1.167			
02479	2506	2496	8	286.08	0.029	0.187	0.187	Free Surfac	3.664	0.204	0.091	0.136	0.199	2.094	2.056	Yes	0.192	2.254			
02480	2505	2504	8	109.53	0.046	0.083	0.083	Free Surfac	3.4	0.122	0.032	0.082	0.131	2.533	2.604	Yes	0.106	2.33			
02481	2504	2506	8	270.38	0.015	0.125	0.125	Free Surfac	2.597	0.195	0.083	0.13	0.161	1.519	1.496	Yes	0.133	2.518			
02482	2503	2504	8	96.55	0.033	0.021	0.021	Free Surfac	1.986	0.069	0.009	0.046	0.065	1.987	2.195	Yes	0.088	0.762			
02483	2498	2495	8	399.55	0.027	0.187	0.187	Free Surfac	3.58	0.207	0.094	0.138	0.199	2.029	1.99	Yes	0.203	2.084			
02484	2499	2498	8	400.17	0.016	0.166	0.166	Free Surfac	2.865	0.223	0.109	0.149	0.187	1.561	1.525	No	0.149	2.865			
02485	2502	2499	8	336.57	0.029	0.062	0.062	Free Surfac	2.651	0.119	0.03	0.08	0.113	2.002	2.064	Yes	0.114	1.569			
02486	2500	2499	8	275.02	0.006	0.083	0.083	Free Surfac	1.645	0.202	0.09	0.135	0.131	0.944	0.927	Yes	0.142	1.532			
02487	2501	2500	8	291.55	0.019	0.062	0.062	Free Surfac	2.288	0.132	0.037	0.088	0.113	1.641	1.673	Yes	0.111	1.623			
02488	2508	1140	8	178.82	0.008	0.021	0.021	Free Surfac	1.206	0.096	0.019	0.064	0.065	1.016	1.074	Yes	0.087	0.779			
02489	2514	1694	8	300.60	0.049	0.003	0.003	Free Surfac	1.284	0.026	0.001	0.017	0.025	2.098	2.675	Yes	0.059	0.209			
02490	2539	2538	8	212.84	0.016	0.251	0.251	Free Surfac	3.274	0.272	0.162	0.181	0.231	1.604	1.555	Yes	0.209	2.686			
02491	2538	2537	8	265.86	0.006	0.254	0.254	Free Surfac	2.267	0.358	0.274	0.239	0.233	0.953	0.928	Yes	0.242	2.218			
02492	2537	2536	8	145.27	0.005	0.258	0.258	Free Surfac	2.186	0.371	0.293	0.247	0.234	0.9	0.878	No	0.247	2.186			
02493	2536	2535	8	236.74	0.006	0.261	0.261	Free Surfac	2.271	0.364	0.283	0.243	0.236	0.946	0.921	No	0.243	2.271			
02494	2535	2534	8	185.71	0.059	0.264	0.264	Free Surfac	5.227	0.202	0.09	0.135	0.237	3	2.947	Yes	0.135	5.222			
02495	2534	2533	8	148.56	0.063	0.273	0.273	Free Surfac	5.405	0.202	0.09	0.135	0.242	3.1	3.045	Yes	0.135	5.385			
02496	2533	2531	8	200.06	0.055	0.277	0.277	Free Surfac	5.153	0.211	0.098	0.141	0.243	2.892	2.833	Yes	0.143	5.038			
02497	2532	2531	8	104.73	0.012	0.01	0.01	Free Surfac	1.094	0.061	0.007	0.04	0.044	1.167	1.312	Yes	0.093	0.323			
02498	2531	2530	8	121.08	0.05	0.289	0.289	Free Surfac	5.054	0.221	0.107	0.147	0.249	2.769	2.706	Yes	0.172	4.059			
02499	2530	2520	8	128.73	0.016	0.292	0.292	Free Surfac	3.401	0.295	0.189	0.197	0.25	1.593	1.544	No	0.197	3.401			
02500	2521	2520	8	52.95	0.001	0.003	0.003	Free Surfac	0.273	0.074	0.011	0.049	0.025	0.264	0.288	Yes	0.139	0.06			
02501	2520	2519	8	286.04	0.044	0.299	0.299	Free Surfac	4.88	0.232	0.118	0.154	0.253	2.607	2.542	Yes	0.176	4.051			
02502	2519	2517	8	180.91	0.016	0.302	0.302	Free Surfac	3.407	0.301	0.198	0.201	0.254	1.577	1.528	Yes	0.212	3.161			
02503	2529	2528	8	98.69	0.05	0.003	0.003	Free Surfac	1.297	0.026	0.001	0.017	0.025	2.127	2.715	Yes	0.02	1.074			
02504	2528	2518	8	364.94	0.041	0.006	0.006	Free Surfac	1.5	0.037	0.003	0.025	0.036	2.045	2.467	Yes	0.046	0.602			
02505	2527	2526	8	134.52	0.009	0.003	0.003	Free Surfac	0.716	0.039	0.003	0.026	0.025	0.96	1.153	No	0.026	0.716			
02506	2526	2525	8	147.6	0.04	0.006	0.006	Free Surfac	1.477	0.038	0.003	0.025	0.036	2.003	2.413	Yes	0.028	1.234			
02507	2525	2524	8	72.89	0.051	0.01	0.01	Free Surfac	1.827	0.043	0.003	0.029	0.044	2.321	2.742	Yes	0.031	1.602			
02508	2524	2523	8	139.16	0.075	0.013	0.013	Free Surfac	2.279	0.045	0.004	0.03	0.051	2.83	3.322	Yes	0.031	2.177			
02509	2523	2522	8	237.15	0.079	0.016	0.016	Free Surfac	2.486	0.049	0.005	0.033	0.057	2.946	3.412	Yes	0.035	2.275			
02510	2522	2518	8	239.71	0.05	0.019	0.019	Free Surfac	2.236	0.06	0.007	0.04	0.062	2.402	2.705	Yes	0.054	1.445			
02511	2518	2517	8	44.1	0.011	0.029	0.029	Free Surfac	1.486	0.104	0.023	0.069	0.076	1.205	1.263	Yes	0.146	0.503			
02512	2517	2515	8	266.25	0.013	0.334	0.334	Free Surfac	3.235	0.336	0.244	0.224	0.268	1.409	1.368	No	0.224	3.235			
02513	2541	2516	8	299.15	0.02	0.019	0.019	Free Surfac	1.622	0.074	0.011	0.05	0.062	1.56	1.706	No	0.05	1.622			
02514	2516	2515	8	178.55	0.069	0.022	0.022	Free Surfac	2.618	0.06	0.007	0.04	0.067	2.816	3.173	Yes	0.117	0.541			
02515	2542	2541	8	262.75	0.016	0.016	0.016	Free Surfac	1.412	0.072	0.01	0.048	0.057	1.379	1.513	Yes	0.049	1.381			
02516	2544	181	8	189.88	0	0.005	0.005	Free Surfac	0.203	0.126	0.034	0.084	0.032	0.149	0.152	No	0.084	0.203			
02517	2543	189	8	153.65	0.032	0.005	0.005	Free Surfac	1.285	0.036	0.002	0.024	0.032	1.778	2.155	Yes	0.081	0.213			
02518	2545	2548	8	186.35	0.018	0.042	0.042	Free Surfac	1.986	0.11	0.026	0.074	0.092	1.562	1.624	Yes	0.078	1.838			
02519	2548	2549	8	173.85	0.014	0.046	0.046	Free Surfac	1.898	0.122	0.032	0.081	0.097	1.416	1.456	No	0.081	1.898			
02520	2549	2546	8	257.02	0.055	0.051	0.051	Free Surfac	3.123	0.093	0.018	0.062	0.102	2.682	2.848	Yes	0.667	0.146			
02521	2547	2554	8	274.22	0.04	0.005	0.005	Free Surfac	1.342	0.033	0.002	0.022	0.03	1.96	2.414	Yes	0.667	0.013			
02522	2553	2551	8	237.74	0.007	0.005	0.005	Pressurized	0.721	0.049	0.005	0.033	0.03	0.853	0.988	Yes	0.667	0.013			
02523	2551	2552	8	157.15	0.009	0.019	0.019	Pressurized	1.229	0.088	0.016	0.059	0.061	1.085	1.16	Yes	0.667	0.053			
02524	2552	2550	8	288.86	0.004	0.023	0.023	Pressurized	0.985	0.119	0.03	0.079	0.068	0.745	0.768	Yes	0.667	0.066			
02525	2550	2546	8	180.59	0.009	0.028	0.028	Pressurized	1.367	0.108	0.024	0.072	0.075	1.087	1.133	Yes	0.667	0.08			
02526	2546	2556	15	122.41	0.012	13.674	13.674	Pressurized	11.142	1	1.906	1.25	1.071	1.756	7.176	Yes	1.25	11.142	16.22	18	2

02527	2555	2895	15	7.69	0.02	6.199	6.199	Pressurized	7.94	0.608	0.685	0.76	1.005	1.75	9.046	Yes	1.25	5.051			
02528	2563	2562	8	143.35	0.018	0.006	0.006	Free Surfac	1.1	0.043	0.004	0.029	0.034	1.393	1.644	Yes	0.032	0.925			
02529	2562	2561	8	141.23	0.029	0.012	0.012	Free Surfac	1.583	0.054	0.006	0.036	0.048	1.791	2.047	Yes	0.039	1.394			
02530	2561	2559	8	84.9	0.032	0.017	0.017	Free Surfac	1.861	0.064	0.008	0.042	0.059	1.938	2.165	Yes	0.048	1.544			
02531	2560	2559	8	125.08	0.007	0.006	0.006	Free Surfac	0.775	0.055	0.006	0.036	0.034	0.871	0.993	Yes	0.045	0.565			
02532	2559	2558	8	128.07	0.032	0.029	0.029	Free Surfac	2.181	0.081	0.013	0.054	0.077	2.012	2.176	Yes	0.057	2.005			
02533	2558	2557	8	235.84	0.029	0.035	0.035	Free Surfac	2.222	0.09	0.017	0.06	0.084	1.937	2.065	Yes	0.667	0.099			
02534	2557	1727	8	59.58	0.104	0.04	0.04	Pressurized	3.633	0.072	0.01	0.048	0.091	3.559	3.908	Yes	0.667	0.116			
02535	1736	1735	8	319.18	0.009	0.005	0.005	Pressurized	0.82	0.046	0.004	0.031	0.031	1.005	1.175	Yes	0.667	0.014			
02536	2567	2566	8	336.26	0.005	0.005	0.005	Free Surfac	0.671	0.053	0.005	0.035	0.031	0.767	0.879	Yes	0.667	0.014			
02537	2566	2565	8	336.85	0.005	0.01	0.01	Pressurized	0.84	0.072	0.011	0.048	0.044	0.819	0.898	Yes	0.667	0.027			
02538	2565	2564	8	337.86	0.005	0.014	0.014	Pressurized	0.949	0.088	0.016	0.059	0.054	0.838	0.897	Yes	0.667	0.041			
02539	2564	2569	8	123.55	0.007	0.087	0.087	Pressurized	1.762	0.198	0.086	0.132	0.134	1.022	1.005	Yes	0.667	0.248			
02540	2569	1741	8	160.01	0.001	0.091	0.091	Pressurized	0.9	0.332	0.238	0.222	0.137	0.395	0.383	Yes	0.667	0.262			
02541	1738	1741	12	367.95	0.007	6.157	6.157	Pressurized	7.84	1	1.997	1	0.752	1.382	3.083	Yes	1	7.84	13.31	15	2
02542	2581	2580	8	260.24	0.027	0.004	0.004	Free Surfac	1.097	0.032	0.002	0.021	0.027	1.624	2.008	Yes	0.025	0.838			
02543	2580	2579	8	261.23	0.026	0.007	0.007	Free Surfac	1.336	0.044	0.004	0.03	0.038	1.67	1.965	No	0.03	1.336			
02544	2579	2570	8	125.4	0.077	0.011	0.011	Free Surfac	2.195	0.042	0.003	0.028	0.047	2.831	3.361	Yes	0.324	0.065			
02545	2570	2064	8	161.95	0.008	0.044	0.044	Free Surfac	1.51	0.137	0.041	0.092	0.094	1.061	1.077	Yes	0.667	0.125			
02546	2578	2571	8	398.94	0.021	0.004	0.004	Free Surfac	1.004	0.034	0.002	0.022	0.027	1.442	1.767	Yes	0.034	0.538			
02547	2571	2570	8	130.40	0.065	0.029	0.029	Free Surfac	2.784	0.069	0.009	0.046	0.077	2.787	3.079	Yes	0.333	0.167			
02548	2572	2571	8	89.87	0.007	0.022	0.022	Free Surfac	1.176	0.101	0.022	0.068	0.066	0.966	1.014	No	0.068	1.176			
02549	2573	2572	8	156.45	0.006	0.018	0.018	Free Surfac	1.071	0.096	0.019	0.064	0.061	0.906	0.959	Yes	0.066	1.024			
02550	2574	2573	8	195.79	0.008	0.015	0.015	Free Surfac	1.105	0.08	0.013	0.054	0.054	1.022	1.105	Yes	0.059	0.967			
02551	2575	2574	8	251.37	0.024	0.011	0.011	Free Surfac	1.471	0.055	0.006	0.036	0.047	1.657	1.89	Yes	0.045	1.074			
02552	2576	2575	8	224.84	0.027	0.007	0.007	Free Surfac	1.347	0.044	0.004	0.029	0.038	1.69	1.989	Yes	0.033	1.14			
02553	2577	2576	8	398.29	0.011	0.004	0.004	Free Surfac	0.791	0.039	0.003	0.026	0.027	1.049	1.254	Yes	0.028	0.729			
02554	2582	2583	10	113.12	0.007	0.089	0.089	Pressurized	1.725	0.151	0.049	0.126	0.128	1.032	1.814	Yes	0.833	0.163			
02555	2586	2585	8	279.28	0.003	0.005	0.005	Pressurized	0.576	0.059	0.007	0.039	0.031	0.626	0.707	Yes	0.667	0.014			
02556	2585	2582	8	337.82	0.003	0.01	0.01	Pressurized	0.68	0.084	0.014	0.056	0.044	0.616	0.662	Yes	0.667	0.027			
02558	2588	2589	8	192.73	0.007	0.004	0.004	Free Surfac	0.691	0.045	0.004	0.03	0.028	0.853	0.999	Yes	0.045	0.382			
02559	2591	2589	8	110.58	0.008	0.004	0.004	Free Surfac	0.724	0.044	0.004	0.029	0.028	0.908	1.068	Yes	0.045	0.388			
02560	2590	2589	8	231.04	0.006	0.004	0.004	Free Surfac	0.662	0.047	0.004	0.031	0.028	0.805	0.94	Yes	0.046	0.377			
02561	2589	1884	8	152.76	0.006	0.016	0.016	Free Surfac	1.005	0.09	0.017	0.06	0.056	0.877	0.935	Yes	0.343	0.087			
02562	2597	2595	8	359.41	0.06	0.006	0.006	Free Surfac	1.658	0.033	0.002	0.022	0.034	2.411	2.967	Yes	0.029	1.103			
02563	2596	2595	8	139.22	0.008	0.006	0.006	Free Surfac	0.82	0.053	0.005	0.035	0.034	0.939	1.077	Yes	0.035	0.811			
02564	2595	2594	8	216.8	0.067	0.017	0.017	Free Surfac	2.405	0.053	0.006	0.036	0.059	2.733	3.128	Yes	0.039	2.112			
02565	2594	2593	8	284.31	0.058	0.023	0.023	Free Surfac	2.5	0.063	0.008	0.042	0.068	2.61	2.916	Yes	0.054	1.75			
02566	2593	2592	8	237.32	0.069	0.064	0.064	Free Surfac	3.614	0.098	0.02	0.065	0.114	3.022	3.189	Yes	0.08	2.697			
02567	2598	2599	8	67.41	0.032	0.006	0.006	Free Surfac	1.332	0.038	0.003	0.025	0.034	1.798	2.164	Yes	0.028	1.153			
02568	2599	2600	8	231.03	0.058	0.012	0.012	Free Surfac	2.021	0.046	0.004	0.031	0.048	2.486	2.91	Yes	0.034	1.694			
02569	2600	2601	8	231.03	0.05	0.017	0.017	Free Surfac	2.17	0.057	0.006	0.038	0.059	2.381	2.698	Yes	0.045	1.698			
02570	2601	2602	8	235.53	0.024	0.023	0.023	Free Surfac	1.836	0.078	0.012	0.052	0.068	1.723	1.872	No	0.052	1.836			
02571	2602	2603	8	236.15	0.053	0.029	0.029	Free Surfac	2.59	0.072	0.01	0.048	0.077	2.536	2.784	Yes	0.054	2.181			
02572	2603	2593	8	237.94	0.03	0.035	0.035	Free Surfac	2.243	0.09	0.017	0.06	0.084	1.962	2.093	Yes	0.062	2.1			
02573	2609	2608	8	117.4	0.007	0.004	0.004	Free Surfac	0.67	0.044	0.004	0.029	0.027	0.839	0.988	Yes	0.034	0.553			
02574	2608	2607	8	128.3	0.009	0.007	0.007	Free Surfac	0.932	0.056	0.006	0.038	0.038	1.032	1.172	No	0.038	0.932			
02575	2607	2606	8	155.35	0.028	0.011	0.011	Free Surfac	1.548	0.053	0.005	0.035	0.047	1.774	2.034	Yes	0.551	0.035			
02576	2606	2605	8	182.98	0.031	0.015	0.015	Pressurized	1.754	0.059	0.007	0.039	0.054	1.901	2.146	Yes	0.667	0.042			
02577	2613	2612	8	150.06	0.006	0.004	0.004	Free Surfac	0.647	0.045	0.004	0.03	0.027	0.8	0.938	Yes	0.031	0.62			
02578	2612	2611	8	145.86	0.019	0.007	0.007	Free Surfac	1.188	0.048	0.004	0.032	0.038	1.428	1.661	Yes	0.475	0.027			
02579	2611	2610	8	179.73	0.017	0.011	0.011	Pressurized	1.296	0.059	0.007	0.04	0.047	1.398	1.576	Yes	0.667	0.031			
02580	2610	2605	8	330.23	0.009	0.015	0.015	Pressurized	1.119	0.08	0.013	0.053	0.054	1.039	1.126	Yes	0.667	0.042			
02581	2605	1813	8	178.39	0.008	0.033	0.033	Pressurized	1.361	0.121	0.031	0.081	0.082	1.02	1.05	Yes	0.667	0.094			
02582	2616	1355	8	184.51	0.005	0.006	0.006	Free Surfac	0.713	0.058	0.007	0.039	0.034	0.779	0.882	Yes	0.041	0.654			
02583	2615	2614	8	200	0.004	0.006	0.006	Pressurized	0.669	0.06	0.007	0.04	0.034	0.715	0.804	Yes	0.667	0.017			
02584	2614	1344	8	61.05	0.023	0.012	0.012	Pressurized	1.478	0.057	0.006	0.038	0.048	1.633	1.854	Yes	0.667	0.033			
02585	2622	2621	8	238.07	0.031	0.008	0.008	Free Surfac	1.457	0.045	0.004	0.03	0.04	1.805	2.117	Yes	0.036	1.139			
02586	2621	2619	8	281.89	0.02	0.016	0.016	Free Surfac	1.555	0.069	0.01	0.046	0.057	1.554	1.716	No	0.046	1.555			
02587	2620	2619	8	236.19	0.019	0.008	0.008	Free Surfac	1.246	0.05	0.005	0.033	0.04	1.463	1.69	Yes	0.039	1.003			
02588	2619	2624	8	299.09	0.067	0.033	0.033	Free Surfac	2.919	0.072	0.01	0.048	0.081	2.855	3.134	Yes	0.068	1.728			
02589	2617	2624	8	301.49	0.01	0.008	0.008	Free Surfac	0.982	0.059	0.007	0.039	0.04	1.063	1.199	Yes	0.064	0.476			
02591	1964	1963	8	210.28	0.019	0.005	0.005	Free Surfac	1.065	0.041	0.003	0.027	0.032	1.386	1.65	Yes	0.032	0.844			
02592	1963	1961	8	209.32	0.021	0.01	0.01	Free Surfac	1.38	0.055	0.006	0.036	0.046	1.551	1.769	Yes	0.051	0.849			
02593	1961	1863	8	205.88	0.004	0.015	0.015	Free Surfac	0.885	0.097	0.02	0.065	0.056	0.742	0.783	Yes	0.068	0.82			
02594	1962	1965	8	235.89	0.014	0.005	0.005	Free Surfac	0.966	0.044	0.004	0.029	0.032	1.217	1.435	Yes	0.036	0.705			
02595	1965	1966	8	288.76	0.011	0.01	0.01	Free Surfac	1.087	0.064	0.008	0.043	0.046	1.126	1.255	No	0.043	1.087			
02600	1346	2634	8	24.13	0.019	0.578	0.578	Pressurized	4.352	0.405	0.345	0.27	0.357	1.703	1.673	Yes	0.667	1.655			
02614	2649	2650	8	401.57	0.014	0.006	0.006	Free Surfac	0.978	0.045	0.004	0.03	0.033	1.207	1.414	Yes	0.031	0.929			
02615	2650	2651	8	262.3	0.041	0.011	0.011	Free Surfac	1.767	0.049	0.005	0.032	0.047	2.106	2.444	Yes	0.037	1.439			
02616	2651	2652	8	145.46	0.03	0.017	0.017	Free Surfac	1.804	0.063	0.008	0.042	0.058	1.885	2.107	Yes	0.042	1.777			
02617	2652	2653	8	314.01	0.049	0.022	0.022	Free Surfac	2.336	0.064	0.008	0.043	0.067	2.417	2.694	Yes	0.052	1.782			
02618	2653	2654	8	402.38	0.018	0.028	0.028	Free Surfac	1.774	0.09	0.017	0.06	0.075	1.546	1.647	Yes	0.064	1.611			
02619	2654	1540	8	399.12	0.016	0.033	0.033	Free Surfac	1.766	0.102	0.022	0.068	0.082	1.443	1.514	Yes	0.667	0.095			
02621	2663	2662	8	115.98	0.006	0.008	0.008	Free Surfac	0.812	0.065	0.008	0.043	0.039	0.839	0.935	No	0.043	0.812			
02622	2662	2661	8	220.65	0.034	0.015	0.015	Free Surfac	1.832	0.06	0.007	0.04	0.056	1.973	2.223	Yes	0.055	1.143			
02623	2661	2660	8	273.51	0.007	0.023	0.023	Free Surfac	1.202	0.104	0.023	0.07	0.069	0.972	1.018	No	0.07	1.202			
02624	2660	2659	8	49.31	0.016	0.031	0.031	Free Surfac	1.73	0.099	0.02	0.066	0.079	1.437	1.514	No	0.066	1.73			
02625	2659	2658	8	153.14	0.042	0.039	0.039	Free Surfac	2.617	0.087	0.016	0.058	0.089	2.324	2.488	No	0.058	2.617			
02626	2658	2657	8	155.12	0.069	0.046	0.046	Free Surfac	3.283	0.084	0.015	0.056	0.097	2.96	3.182	Yes	0.068	2.466			
02627	2657	2656	8	113.83	0.021	0.054	0.054	Free Surfac	2.266	0.121	0.031	0.08	0.105	1.702	1.752	Yes	0.092	1.86			
02628	2656	2655	8	192.98	0.009	0.062	0.062	Free Surfac	1.788	0.156	0.053	0.104	0.113	1.176	1.18	No	0.104	1.788			
02629	2655	693	8	126.22	0.027	0.07	0.07	Free Surfac	2.681	0.128	0.035	0.085	0.12	1.955	2	No	0.085	2.681			
02630	3089	2685	8	101.02	0.037	0.007	0.007	Free Surfac	1.464	0.039	0.003	0.026	0.036	1.954	2.344	Yes	0.032	1.049			
02631	2685	2684	8	205.25	0.026	0.013	0.013	Free Surfac	1.598	0.058	0.007	0.039	0.051	1.736	1.962	Yes	0.049	1.152			
02632	2684	2682	8	207.31	0.011	0.02	0.02	Free Surfac	1.323	0.087	0.016	0.058	0.063	1.172	1.254	Yes	0.064	1.141			
02633	2683	2682	8	108.31	0.043	0.007	0.007	Free Surfac	1.535	0.038	0.003	0.025	0.036	2.083	2.51	Yes	0.048	0.59			
02634	2682	2680	8	207.81	0.013	0.033	0.033	Free Surfac	1.664	0.106	0.024	0.071	0.082	1.336	1.396	Yes	0.076	1.502			
02635	2681	2680	8	151.42	0.031	0.007	0.007	Free Surfac	1.378	0.041	0.003	0.027	0.036	1.802	2.148	Yes	0.054	0.495			
02636	2680	2678	8	211.63	0.015	0.046	0.046	Free Surfac	1.911	0.121	0.031	0.081	0.097	1.432	1.473	Yes	0.087	1.726			
02638	2679	2678	8	162.70	0.033	0.007	0.007	Free Surfac	1.4	0.04	0.003	0.027	0.036	1.84	2.197	Yes	0.06	0.426			
02639	2678	2676	8	190.51	0.014	0.059	0.059	Free Surfac	2.017	0.139	0.041	0.093	0.11	1.409	1.429	Yes	0.096	1.908			
02640	2677	2676	8	141.22	0.039	0.007	0.007	Free Surfac	1.488	0.038	0.003	0.026	0.036	1.998	2.4	Yes	0.063	0.396			
02641	2676	2675	8	272.75	0.015	0.072	0.072	Free Surfac	2.211	0.15	0.048	0.1	0.122	1.486	1.496	Yes	0.104	2.067			
02642	2675	2674	8	223.68	0.012	0.079	0.079	Free Surfac	2.115	0.164	0.058	0.109	0.128	1.355	1.353	No	0.109	2.115			
02643	2674	2672	8	269.63	0.062	0.085	0.085	Free Surfac	3.81	0.115	0.028	0.077	0.133	2.927	3.028	Yes	0.667	0.245			
02644	2673	2672	8	207.91	0.07	3.809	3.809	Pressurized	10.912	1	1.19	0.667	0.66	2.355	3.201	Yes	0.667	10.912	7.22	8	2
02645	2672	2671	8	280.05	0.019	3.901	3.901	Pressurized	11.175	1	2.319	0.667	0.597	2.412	1.682	Yes	0.667	11.175	9.30	10	2
02646	2671	2670	8	398.07	0.026	3.907	3.907	Pressurized	11.194	1	1.998	0.667	0.623	2.416	1.956	Yes	0.667	11.194	8.77	10	2
02647	2670	2669	8	402.02	0.007	3.914	3.914	Pressurized	11.213	1	3.759	0.667	0.484	2.42	1.041	Yes	0.667	11.213	11.23	12	2
02648	2669	2668	8	187.4	0.005	3.921	3.921	Pressurized	11.232	1	4.704	0.667	0.432	2.424	0.834	Yes	0.667	11.232	11.97	12	2
02649	2668	9	8	147.25	0.007	3.927	3.927	Pressurized	11.251	1	3.768	0.667	0.484	2.428	1.042	Yes	0.667	11.251	11.24	12	2
02650	2823	694	8	241.66	0.049	0.031	0.031	Free Surfac	2.575	0.076	0.012	0.05	0.079	2.455	2.678	Yes	0.116	0.762			
02651	228	230	8	156.83	0.008	0.463	0.463	Free Surfac	2.953	0.46	0.433	0.307	0.318	1.072	1.07	No	0.307	2.953			
02653	2687	2686	8	197.22	0.003	0.008	0.008	Free Surfac	0.643	0.076	0.012	0.05	0.039	0.613	0.668	No	0.05	0.643			
02654	2686	570	8	262.9	0.044	0.015	0.015	Free Surfac	2.005	0.056	0.006	0.037	0.056	2.225	2.529	Yes	0.12	0.361			
02655	2690	2689	8	118.85	0.047	0.004	0.004	Free Surfac	1.395	0.03	0.002	0.02	0.03	2.105	2.621	Yes	0.024	1.081			
02656	2689	2688	8	107.24	0.048	0.009	0.009	Free Surfac	1.741	0.042	0.003	0.028	0.042	2.24	2.658	Yes	0.035	1.23			
02657	2688	2448	8	30.92	0.018	0.013	0.013	Free Surfac	1.394	0.064	0.008	0.043	0.051	1.448	1.616	No	0.043	1.394			
02658	2692	2691	8	136.61	0.019	0.014	0.014	Free Surfac	1.45	0.064	0.008	0.043	0.053	1.501	1.674	Yes	0.268	0.105			
02659	2691	126	8	76.4	0.007	0.027	0.027	Free Surfac	1.288	0.111	0.026	0.074	0.075	1.007	1.047	Yes	0.667	0.079			
02660	2697	2698	8	247.45	0.004	0.004	0.004	Pressurized	0.586	0.054	0.006	0.036	0.029	0.663	0.759	Yes	0.667	0.012			
02661	2698	2699	8	251.44	0.01	0.009	0.009	Pressurized	0.985	0.06	0.007	0.04	0.041	1.053	1.184	Yes	0.667	0.024			
02662	2700	2699	10	350.83	0.003	1.271	1.271	Pressurized	2.331	1	1.048	0.833	0.491	0.45	1.213	Yes	0.833	2.331	8.63	10	2
02663	2705	2706	8	81.71	0.013	0.004	0.004	Pressurized	0.893	0.04	0.003	0.027	0.029	1.169	1.393	Yes	0.667	0.012			
02664	2707	2706	8	319.98	0.004	0.013	0.013	Pressurized	0.798	0.092	0.017	0.061	0.051	0.689	0.733	Yes	0.667	0.037			
02665	2706	2708	8	376.53	0.004	0.021	0.021	Pressurized	0.976	0.113	0.027	0.076	0.066	0.757	0.785	Yes	0.667	0.061			
02666	2708	2699	10	272.39	0.003	0.089	0.089	Pressurized	1.333	0.181	0.071	0.151	0.128	0.726	1.256	Yes	0.833	0.164			
02667	2709	2708	10	431.47	0.003	0.011	0.011	Pressurized	0.689	0.068	0.009	0.057	0.045	0.619	1.197	Yes	0.833	0.02			
02668	2712	2711	8	267.19	0.008	0.004	0.004	Pressurized	0.761	0.045	0.004	0.03	0.029	0.943	1.107	Yes	0.667	0.012			
02669	2711	2708	10	227.35	0.004	0.053	0.053	Pressurized	1.26	0.13	0.036	0.109	0.098	0.813	1.45	Yes	0.833	0.097			
02670	2710	2711	8	189.79	0.015	0.004	0.004	Pressurized	0.928	0.039	0.003	0.026	0.029	1.23	1.472	Yes	0.667	0.012			
02671	2713	2711	10	250.19	0.004	0.04	0.04	Pressurized	1.117	0.117	0.029	0.098	0.085	0.762	1.375	Yes	0.833	0.073			
02672	2699	2701	10	279.57	0.009	1.373	1.373	Pressurized	4.064	0.595	0.662	0.495	0.524	1.114	2.073	Yes	0.833	2.518			
02673	2703	2702	10	214.75	0.003	0.017	0.017	Pressurized	0.789	0.083	0.014	0.069	0.055	0.642	1.209	Yes	0.833	0.031			
02674	2702	2701	10	214.25	0.006	0.021	0.021	Pressurized	1.041	0.08	0.013	0.067	0.062	0.862	1.63	Yes	0.833	0.039			
02675	2701	2704	10	371.38	0.004	1.399	1.399	Pressurized	2.957	0.81	0.989	0.675	0.529	0.613	1.415	Yes	0.833	2.565	8.48	10	2

02676	2774	2707	8	320.5	0.004	0.009	0.009	Pressurized	0.699	0.076	0.012	0.051	0.041	0.663	0.723	Yes	0.667	0.024			
02677	2721	2720	8	167.27	0.153	0.006	0.006	Free Surfac	2.282	0.026	0.001	0.017	0.034	3.718	4.738	Yes	0.022	1.641			
02678	2720	2719	8	276.98	0.109	0.011	0.011	Free Surfac	2.507	0.039	0.003	0.026	0.048	3.336	3.997	Yes	0.029	2.134			
02679	2719	2718	8	318.62	0.101	0.017	0.017	Free Surfac	2.769	0.048	0.004	0.032	0.059	3.321	3.859	Yes	0.037	2.241			
02680	2718	2717	8	156.05	0.058	0.023	0.023	Free Surfac	2.483	0.063	0.008	0.042	0.068	2.601	2.91	Yes	0.044	2.273			
02681	2717	2716	8	124.75	0.055	0.028	0.028	Free Surfac	2.614	0.071	0.01	0.047	0.076	2.581	2.841	Yes	0.05	2.413			
02682	2716	2715	8	138.04	0.051	0.034	0.034	Free Surfac	2.685	0.078	0.013	0.052	0.083	2.514	2.728	No	0.052	2.685			
02683	2715	2714	8	144.14	0.07	0.04	0.04	Free Surfac	3.154	0.078	0.012	0.052	0.09	2.959	3.214	Yes	0.071	1.998			
02684	785	2714	8	162.71	0.017	0.034	0.034	Free Surfac	1.842	0.101	0.021	0.068	0.083	1.513	1.589	Yes	0.079	1.471			
02685	2714	2722	8	171.87	0.028	0.08	0.08	Free Surfac	2.828	0.135	0.039	0.09	0.128	2.005	2.039	No	0.09	2.828			
02686	2722	2723	8	110.23	0.046	0.085	0.085	Free Surfac	3.409	0.124	0.033	0.083	0.133	2.52	2.586	Yes	0.092	2.937			
02687	2723	2724	8	181.47	0.023	0.091	0.091	Free Surfac	2.739	0.151	0.049	0.101	0.137	1.83	1.841	Yes	0.107	2.508			
02688	2724	791	8	354.22	0.035	0.142	0.142	Free Surfac	3.607	0.17	0.063	0.113	0.172	2.267	2.256	No	0.113	3.607			
02689	2725	2724	8	171.84	0.008	0.045	0.045	Free Surfac	1.549	0.139	0.041	0.093	0.096	1.082	1.097	Yes	0.103	1.327			
02690	2726	2725	8	296.23	0.011	0.04	0.04	Free Surfac	1.657	0.121	0.031	0.081	0.09	1.243	1.279	Yes	0.087	1.493			
02691	2727	2726	8	204.71	0.056	0.034	0.034	Free Surfac	2.779	0.077	0.012	0.051	0.083	2.633	2.867	Yes	0.066	1.911			
02692	2728	2727	8	86.43	0.092	0.028	0.028	Free Surfac	3.128	0.063	0.008	0.042	0.076	3.285	3.677	Yes	0.046	2.671			
02693	2729	2728	8	300.76	0.134	0.023	0.023	Free Surfac	3.329	0.052	0.005	0.034	0.068	3.855	4.435	Yes	0.038	2.866			
02694	2730	2729	8	97.02	0.137	0.017	0.017	Free Surfac	3.077	0.045	0.004	0.03	0.059	3.826	4.493	Yes	0.032	2.762			
02695	2731	2730	8	166.85	0.096	0.011	0.011	Free Surfac	2.399	0.04	0.003	0.027	0.048	3.145	3.751	Yes	0.028	2.214			
02696	2695	2732	8	398.99	0.015	0.044	0.044	Free Surfac	1.884	0.119	0.03	0.079	0.095	1.425	1.47	Yes	0.109	1.184			
02697	2732	1079	8	70.39	0.002	0.055	0.055	Free Surfac	1.045	0.209	0.095	0.139	0.106	0.59	0.578	No	0.139	1.045			
02698	2696	2695	8	154.16	0.04	0.011	0.011	Free Surfac	1.749	0.049	0.005	0.033	0.047	2.08	2.411	Yes	0.058	0.747			
02699	2694	2695	8	307.02	0.005	0.022	0.022	Free Surfac	1.034	0.112	0.026	0.074	0.067	0.808	0.84	Yes	0.079	0.95			
02700	2693	2694	8	331.93	0.006	0.011	0.011	Free Surfac	0.894	0.077	0.012	0.051	0.047	0.845	0.919	Yes	0.063	0.662			
02701	2733	362	8	399.51	0.046	0.145	0.145	Free Surfac	4.005	0.161	0.056	0.107	0.174	2.592	2.592	Yes	0.193	1.739			
02702	2734	2733	8	406.06	0.034	0.125	0.125	Free Surfac	3.454	0.16	0.056	0.107	0.161	2.241	2.242	Yes	0.107	3.444			
02703	2735	2734	8	397.52	0.034	0.104	0.104	Free Surfac	3.272	0.147	0.046	0.098	0.147	2.222	2.242	Yes	0.101	3.131			
02704	2736	2735	8	397.33	0.038	0.083	0.083	Free Surfac	3.161	0.129	0.035	0.086	0.131	2.296	2.347	Yes	0.094	2.758			
02705	2737	2736	8	400.16	0.024	0.062	0.062	Free Surfac	2.467	0.125	0.033	0.084	0.113	1.817	1.863	Yes	0.085	2.397			
02706	2738	2737	8	398.7	0.013	0.042	0.042	Free Surfac	1.767	0.119	0.03	0.08	0.092	1.335	1.376	Yes	0.083	1.674			
02707	2739	2738	8	400.94	0.006	0.021	0.021	Free Surfac	1.122	0.101	0.021	0.068	0.065	0.921	0.968	Yes	0.073	1.011			
02708	2740	2739	8	400.06	0.006	0	0	Free Surfac	0	0	0	0	0	0	0.906	Yes	0.032	0			
02709	2741	2740	8	294.99	0.006	0	0	Free Surfac	0	0	0	0	0	0	0.917	No	0	0			
02710	2742	2741	8	297.00	0.005	0	0	Free Surfac	0	0	0	0	0	0	0.875	No	0	0			
02711	2743	2742	8	307.31	0.014	0	0	Free Surfac	0	0	0	0	0	0	1.416	No	0	0			
02712	2744	2743	8	310.99	0.038	0	0	Free Surfac	0	0	0	0	0	0	2.351	No	0	0			
02713	2745	2744	8	403.60	0.056	0	0	Free Surfac	0	0	0	0	0	0	2.856	No	0	0			
02714	2746	2745	8	292.11	0.051	0	0	Free Surfac	0	0	0	0	0	0	2.745	No	0	0			
02718	2751	2750	8	129.03	0.033	0.006	0.006	Free Surfac	1.387	0.039	0.003	0.026	0.036	1.841	2.204	Yes	0.03	1.122			
02719	2750	2749	8	162.03	0.024	0.01	0.01	Free Surfac	1.398	0.051	0.005	0.034	0.044	1.621	1.865	Yes	0.039	1.153			
02720	2749	2542	8	119.75	0.015	0.013	0.013	Free Surfac	1.297	0.066	0.009	0.044	0.051	1.329	1.477	Yes	0.046	1.208			
02721	2748	2747	8	90.94	0.007	0.003	0.003	Free Surfac	0.66	0.041	0.003	0.027	0.025	0.861	1.026	Yes	0.034	0.476			
02722	2747	2532	8	203.76	0.007	0.006	0.006	Free Surfac	0.791	0.057	0.006	0.038	0.036	0.867	0.983	Yes	0.039	0.759			
02723	2752	549	8	175.07	0.029	0.063	0.063	Free Surfac	2.665	0.119	0.03	0.079	0.113	2.015	2.078	No	0.079	2.665			
02724	2753	2752	8	177.26	0.042	0.025	0.025	Free Surfac	2.297	0.071	0.01	0.047	0.071	2.268	2.496	Yes	0.063	1.488			
02725	2756	2753	8	241.22	0.014	0.013	0.013	Free Surfac	1.258	0.066	0.009	0.044	0.05	1.281	1.421	Yes	0.046	1.201			
02726	2754	2752	8	151.61	0.012	0.025	0.025	Free Surfac	1.468	0.096	0.019	0.064	0.071	1.241	1.313	Yes	0.072	1.24			
02727	2755	2754	8	99.12	0.018	0.013	0.013	Free Surfac	1.374	0.063	0.008	0.042	0.05	1.442	1.614	Yes	0.053	0.971			
02728	2757	550	8	118.35	0.036	0.05	0.05	Free Surfac	2.684	0.102	0.022	0.068	0.101	2.199	2.309	Yes	0.074	2.35			
02729	2758	2757	8	108.94	0.009	0.038	0.038	Free Surfac	1.489	0.125	0.033	0.083	0.087	1.097	1.125	No	0.083	1.489			
02730	2759	2758	8	44.21	0.019	0.013	0.013	Free Surfac	1.419	0.061	0.007	0.041	0.05	1.505	1.69	Yes	0.062	0.764			
02731	2760	2758	8	47.93	0.025	0.013	0.013	Free Surfac	1.544	0.058	0.007	0.039	0.05	1.687	1.909	Yes	0.061	0.785			
02732	2762	2761	8	331.75	0.005	0.54	0.54	Free Surfac	2.643	0.567	0.615	0.378	0.345	0.838	0.877	No	0.378	2.643			
02733	2763	2439	8	213.43	0.008	0.017	0.017	Free Surfac	1.122	0.089	0.016	0.059	0.059	0.988	1.056	Yes	0.066	0.959			
02734	2764	2763	8	323.56	0.005	0.013	0.013	Free Surfac	0.911	0.084	0.014	0.056	0.051	0.824	0.886	Yes	0.057	0.875			
02735	2765	2764	8	183.57	0.006	0.009	0.009	Free Surfac	0.833	0.068	0.009	0.045	0.041	0.84	0.929	Yes	0.051	0.705			
02736	2766	2765	8	399.9	0.005	0.004	0.004	Free Surfac	0.649	0.05	0.005	0.033	0.029	0.762	0.88	Yes	0.039	0.511			
02737	2767	2435	8	186.38	0.007	0.017	0.017	Free Surfac	1.078	0.091	0.017	0.061	0.059	0.936	0.996	No	0.061	1.078			
02738	2768	2767	8	153.52	0.015	0.004	0.004	Free Surfac	0.93	0.039	0.003	0.026	0.029	1.234	1.477	Yes	0.043	0.441			
02739	2769	2767	8	273.95	0.006	0.009	0.009	Free Surfac	0.857	0.066	0.009	0.044	0.041	0.872	0.968	Yes	0.052	0.667			
02740	2770	2769	8	101.81	0.011	0.004	0.004	Free Surfac	0.846	0.042	0.003	0.028	0.029	1.086	1.288	Yes	0.036	0.579			
02741	2771	2434	8	164.86	0.012	0.013	0.013	Free Surfac	1.214	0.069	0.01	0.046	0.051	1.212	1.338	Yes	0.048	1.128			
02742	2772	2771	8	165.48	0.006	0.009	0.009	Free Surfac	0.86	0.066	0.009	0.044	0.041	0.877	0.974	Yes	0.045	0.834			
02743	2773	2772	8	172.5	0.011	0.004	0.004	Free Surfac	0.841	0.042	0.003	0.028	0.029	1.079	1.278	Yes	0.036	0.579			
02745	2775	2774	8	322.4	0.006	0.004	0.004	Free Surfac	0.67	0.049	0.005	0.033	0.029	0.794	0.92	Yes	0.465	0.016			
02746	2776	2713	8	188.94	0.015	0.004	0.004	Free Surfac	0.939	0.039	0.003	0.026	0.029	1.249	1.496	Yes	0.667	0.012			
02747	2778	2713	10	252.64	0.006	0.027	0.027	Pressurized	1.159	0.088	0.016	0.073	0.07	0.915	1.71	Yes	0.833	0.05			
02748	2777	2778	8	186.51	0.014	0.004	0.004	Free Surfac	0.904	0.04	0.003	0.027	0.029	1.187	1.417	Yes	0.657	0.012			
02749	2779	2778	10	237.83	0.004	0.017	0.017	Free Surfac	0.85	0.079	0.013	0.066	0.055	0.709	1.344	Yes	0.833	0.031			
02750	2780	2779	8	184.13	0.016	0.004	0.004	Free Surfac	0.955	0.039	0.003	0.026	0.029	1.278	1.534	Yes	0.212	0.045			
02751	2781	2782	8	224.91	0.014	0.003	0.003	Free Surfac	0.826	0.035	0.002	0.023	0.025	1.163	1.418	Yes	0.026	0.709			
02752	2782	2783	8	99.27	0.02	0.006	0.006	Free Surfac	1.172	0.044	0.004	0.029	0.036	1.47	1.73	Yes	0.036	0.855			
02753	2783	2784	8	259.66	0.013	0.01	0.01	Free Surfac	1.143	0.059	0.007	0.039	0.044	1.237	1.396	No	0.039	1.143			
02754	2784	1992	8	137	0.017	0.013	0.013	Free Surfac	1.355	0.064	0.008	0.043	0.051	1.409	1.573	Yes	0.059	0.833			
02755	1992	2785	8	91.56	0.033	0.06	0.06	Free Surfac	2.751	0.114	0.027	0.076	0.111	2.131	2.209	No	0.076	2.751			
02756	2785	2540	8	104.85	0.061	0.063	0.063	Free Surfac	3.444	0.101	0.021	0.067	0.114	2.835	2.98	Yes	0.077	2.843			
02757	2540	2539	8	233.11	0.041	0.079	0.079	Free Surfac	3.216	0.123	0.032	0.082	0.128	2.39	2.455	Yes	0.131	1.642			
02758	2786	2787	8	184.21	0.007	0.003	0.003	Free Surfac	0.659	0.041	0.003	0.027	0.025	0.859	1.023	Yes	0.034	0.463			
02759	2787	2788	8	82.08	0.007	0.006	0.006	Free Surfac	0.808	0.057	0.006	0.038	0.036	0.893	1.013	Yes	0.045	0.629			
02760	2788	2789	8	235.74	0.006	0.01	0.01	Free Surfac	0.858	0.071	0.01	0.048	0.044	0.842	0.926	Yes	0.05	0.799			
02761	2789	2540	8	248.26	0.005	0.013	0.013	Free Surfac	0.893	0.085	0.015	0.056	0.051	0.804	0.865	Yes	0.071	0.633			
02762	1002	999	12	355.14	0.002	0.019	0.019	Free Surfac	0.708	0.074	0.011	0.074	0.055	0.555	1.672	Yes	0.155	0.242			
02763	999	3087	6	187.35	0.001	0.037	0.037	Free Surfac	0.748	0.302	0.199	0.151	0.094	0.399	0.188	Yes	0.338	0.266			
02764	2794	2793	8	251.38	0.015	0.004	0.004	Free Surfac	0.942	0.039	0.003	0.026	0.029	1.255	1.504	Yes	0.028	0.84			
02765	2793	2779	8	254.65	0.019	0.009	0.009	Free Surfac	1.255	0.051	0.005	0.034	0.041	1.456	1.676	Yes	0.216	0.087			
02766	2790	2713	8	267.54	0.012	0.004	0.004	Free Surfac	0.876	0.041	0.003	0.027	0.029	1.138	1.354	Yes	0.667	0.012			
02767	2792	2778	10	430.04	0.002	0.002	0.002	Free Surfac	0.316	0.032	0.002	0.027	0.017	0.417	0.899	Yes	0.833	0.003			
02768	2792	2791	10	367.87	0.004	0.003	0.003	Free Surfac	0.495	0.032	0.002	0.027	0.022	0.652	1.407	Yes	0.833	0.005			
02769	2791	2709	10	361.36	0.004	0.007	0.007	Pressurized	0.657	0.051	0.005	0.042	0.035	0.686	1.382	Yes	0.833	0.013			
02770	2798	2796	8	219.29	0.015	21.011	21.011	Pressurized	60.192	1	14.378	0.667	0.567	12.991	1.461	Yes	0.667	60.192	18.28	21	2
02771	2799	2798	8	216.24	0.016	0.007	0.007	Pressurized	1.131	0.05	0.005	0.033	0.039	1.329	1.536	Yes	0.667	0.021			
02772	2800	2799	8	394.47	0.006	0.004	0.004	Pressurized	0.661	0.045	0.004	0.03	0.027	0.819	0.96	Yes	0.667	0.011			
02773	2801	2798	8	261.88	0.005	0.018	0.018	Pressurized	0.985	0.102	0.022	0.068	0.061	0.805	0.845	Yes	0.667	0.053			
02774	2802	2801	8	393.51	0.008	0.015	0.015	Pressurized	1.073	0.083	0.014	0.055	0.055	0.977	1.053	Yes	0.667	0.042			
02775	2803	2802	8	395.44	0.001	0.011	0.011	Pressurized	0.486	0.117	0.029	0.078	0.047	0.371	0.383	Yes	0.667	0.032			
02776	2804	2798	8	263.13	0.008	20.981	20.981	Pressurized	60.107	1	19.506	0.667	0.492	12.973	1.076	Yes	0.667	60.107	20.55	21	2
02777	2805	2804	8	281.9	0.013	0.004	0.004	Pressurized	0.852	0.038	0.003	0.025	0.027	1.151	1.385	Yes	0.667	0.011			
02778	2806	2804	8	316.65	0.008	20.974	20.974	Pressurized	60.086	1	18.948	0.667	0.499	12.969	1.107	Yes	0.667	60.086	20.55	21	2
02779	2796	2795	8	382.22	0.003	23.206	23.206	Pressurized	66.481	1	32.716	0.667	0.398	14.349	0.709	Yes	0.667	66.481	25.65	30	2
02780	2797	2796	8	357.88	0.004	2.191	2.191	Pressurized	6.278	1	3.036	0.667	0.401	1.355	0.722	Yes	0.667	6.278	10.03	12	2
02783	1106	2807	8	320.23	0.009	0.011	0.011	Free Surfac	1.061	0.068	0.009	0.046	0.047	1.064	1.176	No	0.046	1.061			
02784	2807	1107	8	129.69	0.124	0.022	0.022	Free Surfac	3.217	0.052	0.005	0.034	0.067	3.718	4.275	Yes	0.04	2.561			
02785	2808	2809	12	67.24	0.009	2.22	2.22	Free Surfac	4.657	0.584	0.645	0.584	0.637	1.18	3.441	No	0.584	4.657			
02786	2809	1702	12	276.99	0.058	2.231	2.231	Free Surfac	9.186	0.348	0.26	0.348	0.639	3.206	8.587	Yes	1	2.841			
02787	1107	2808	8	72.69	0.108	0.033	0.033	Free Surfac	3.461	0.065	0.008	0.043	0.082	3.571	3.978	Yes	0.316	0.203			
02788	2813	2812	8	101.01	0.013	0.011	0.011	Pressurized	1.2	0.063	0.008	0.042	0.047	1.256	1.404	Yes	0.667	0.032			
02789	2812	2811	8	137.61	0.007	0.022	0.022	Pressurized	1.204	0.101	0.021	0.067	0.067	0.992	1.043	Yes	0.667	0.063			
02790	2811	2810	8	116.09	0.065	0.033	0.033	Free Surfac	2.9	0.073	0.011	0.049	0.082	2.817	3.086	Yes	0.073	1.607			
02791	2810	1663	8	150.64	0.029	0.088	0.088	Free Surfac	2.957	0.141	0.042	0.094	0.135	2.052	2.079	No	0.094	2.957			
02792	991	1662	8	68.4	0.021	0.011	0.011	Free Surfac	1.407	0.057	0.006	0.038	0.047	1.554	1.764	Yes	0.051	0.891			
02793	2816	1160	8	400.67	0.01	0.132	0.132	Free Surfac	2.281	0.223	0.109	0.149	0.166	1.242	1.214	Yes	0.166	1.946			
02794	2817	1659	12	255.62	0.018	2.92	2.92	Free Surfac	6.375	0.566	0.613	0.566	0.733	1.653	4.767	Yes	0.592	6.027			
02795	2814	2815	8	154.81	0.01	0.055	0.055	Free Surfac	1.74	0.146	0.046	0.098	0.106	1.182	1.193	No	0.098	1.74			
02796	2815	607	8	227.78	0.022	0.066	0.066	Free Surfac	2.458	0.131	0.037	0.087	0.117	1.77	1.806	Yes	0.294	0.447			
02797	2818	610	8	263.17	0.012	0.015	0.015	Free Surfac	1.288	0.075	0.011	0.05	0.056	1.235	1.348	Yes	0.062	0.944			
02799	1110	2819	8	215.01	0.005	4.249	4.249	Pressurized	12.171	1	4.948	0.667	0.439	2.627	0.859	Yes	0.667	12.171	15.99	18	1
02800	1119	1143	8	84.71	0.114	4.258	4.258	Pressurized	12.198	1	1.04	0.667	0.664	2.633	4.093	Yes	0.667	12.198	8.91	10	1
02801	1120	1122	21	401.02	0.002	13.702	13.702	Pressurized	5.696	1	1.806	1.75	1.02	0.759	7.585	Yes	1.75	5.696	22.72	24	2
02802	1122	2820	21	307.06	0.003	13.706	13.706	Pressurized	5.698	1	1.64	1.75	1.073	0.759	8.359	Yes	1.75	5.698	21.06	24	2
02804	2821	2822	8	96.4	0.04	0.008	0.008	Free Surfac	1.57	0.041	0.003	0.028	0.039	2.03	2.412	Yes	0.039	0.958			
02805	2822	2824	8	92.68	0.012	0.015	0.015	Free Surfac	1.287	0.076	0.012	0.05	0.056	1.228	1.339	No	0.05	1.287			
02807	2824	2823	8	67.73	0.104	0.023	0.023	Free Surfac	3.071	0.055	0.006	0.037	0.069	3.433	3.911	Yes	0.042	2.563			
02811	2826	843	8	172.26	0.043	0.011	0.011	Free Surfac	1.796	0.048	0.004	0.032	0.047	2.161	2.514	Yes	0.075	0.509			
02812	2831	2830	8	206.39	0.015	0.004	0.004	Free Surfac	0.881	0.037	0.002	0.025	0.027	1.21	1.463	Yes	0.032	0.584			
02813	2830	2829	8	63.75	0.008	0.007	0.007	Free Surfac	0.881	0.059	0.007	0.039	0.038	0.956	1.079	No	0.039	0.881			
02814	2829	2828	8	53.44	0.012	0.011	0.011	Free Surfac	1.153	0.064	0.008	0.043	0.047	1.194	1.331	No	0.043	1.153			

02815	2828	2827	8	243.73	0.018	0.015	0.015	Free Surfac	1.439	0.067	0.009	0.045	0.054	1.457	1.614	Yes	0.667	0.042			
02816	2827	2057	8	128.06	0.043	0.018	0.018	Pressurized	2.097	0.061	0.007	0.04	0.061	2.237	2.515	Yes	0.667	0.052			
02818	2832	362	8	183.88	0.046	0.644	0.644	Free Surfac	6.179	0.339	0.248	0.226	0.378	2.68	2.602	Yes	0.252	5.326			
02820	2833	342	8	130.72	0.014	0.062	0.062	Pressurized	2.07	0.141	0.043	0.094	0.113	1.433	1.451	Yes	0.667	0.179			
02822	2834	340	8	255.11	0.015	1.434	1.434	Pressurized	4.796	0.799	0.976	0.533	0.562	1.13	1.469	Yes	0.667	4.107	6.68	8	2
02828	1076	1075	8	242.34	0.007	0.011	0.011	Free Surfac	0.941	0.074	0.011	0.05	0.047	0.906	0.99	Yes	0.054	0.825			
02831	965	966	8	123.8	0.021	0.055	0.055	Free Surfac	2.288	0.121	0.031	0.081	0.106	1.716	1.766	Yes	0.1	1.676			
02832	966	993	8	230.77	0.006	0.066	0.066	Free Surfac	1.56	0.179	0.07	0.119	0.116	0.955	0.947	No	0.119	1.56			
02833	993	994	8	199.65	0.028	0.077	0.077	Free Surfac	2.779	0.133	0.038	0.089	0.126	1.982	2.018	No	0.089	2.779			
02834	2840	2839	8	216.29	0.019	0.008	0.008	Free Surfac	1.24	0.05	0.005	0.034	0.04	1.454	1.678	Yes	0.053	0.638			
02835	2839	2838	8	244.66	0.003	0.016	0.016	Free Surfac	0.811	0.107	0.024	0.071	0.057	0.647	0.675	Yes	0.073	0.794			
02836	2838	2837	8	328.84	0.006	0.024	0.024	Free Surfac	1.167	0.11	0.026	0.074	0.07	0.918	0.954	No	0.074	1.167			
02837	2837	2836	8	258.11	0.02	0.033	0.033	Free Surfac	1.914	0.096	0.019	0.064	0.081	1.618	1.711	Yes	0.079	1.397			
02838	2836	2835	8	232.11	0.006	0.041	0.041	Free Surfac	1.35	0.142	0.043	0.094	0.091	0.933	0.944	Yes	0.096	1.326			
02839	2835	2484	8	106.35	0.008	0.049	0.049	Free Surfac	1.563	0.145	0.045	0.097	0.1	1.066	1.077	No	0.097	1.563			
02840	2843	2842	8	313.87	0.011	0.007	0.007	Free Surfac	0.943	0.052	0.005	0.035	0.036	1.084	1.245	Yes	0.049	0.575			
02841	2842	40	8	102.21	0.009	0.02	0.02	Free Surfac	1.253	0.091	0.017	0.06	0.063	1.089	1.16	Yes	0.061	1.226			
02842	2841	2842	8	118.69	0.014	0.007	0.007	Free Surfac	1.032	0.049	0.005	0.033	0.036	1.223	1.416	Yes	0.048	0.594			
02843	253	2844	8	134.71	0.01	0.425	0.425	Free Surfac	3.126	0.413	0.357	0.275	0.304	1.21	1.191	Yes	0.3	2.792			
02844	2844	2845	8	29.99	0.006	0.438	0.438	Free Surfac	2.614	0.484	0.473	0.323	0.309	0.919	0.926	No	0.323	2.614			
02845	2846	2060	8	62.99	0.064	0.004	0.004	Pressurized	1.468	0.026	0.001	0.017	0.027	2.395	3.053	Yes	0.667	0.01			
02846	2847	2848	8	169.86	0.017	0.008	0.008	Free Surfac	1.168	0.051	0.005	0.034	0.039	1.367	1.577	Yes	0.041	0.875			
02847	2848	56	8	18.44	0.042	0.031	0.031	Free Surfac	2.443	0.078	0.012	0.052	0.079	2.288	2.484	Yes	0.06	1.993			
02850	447	292	8	18.78	0.071	4.284	4.284	Pressurized	12.272	1	1.329	0.667	0.66	2.649	3.224	Yes	0.667	12.272	7.52	8	2
02851	8	2849	8	399.87	0.003	4.177	4.177	Pressurized	11.967	1	6.098	0.667	0.39	2.583	0.685	Yes	0.667	11.967	13.49	15	2
02855	197	199	8	143.95	0.049	0.013	0.013	Free Surfac	1.959	0.049	0.005	0.033	0.05	2.322	2.689	Yes	0.168	0.182			
02857	2850	511	8	188.07	0.076	0.01	0.01	Free Surfac	2.146	0.041	0.003	0.027	0.046	2.801	3.336	Yes	0.044	1.042			
02858	2851	133	10	448.54	0.027	0.005	0.005	Free Surfac	1.136	0.027	0.001	0.022	0.029	1.631	3.613	Yes	0.024	1.049			
02859	2852	131	10	38.7	0.004	0.005	0.005	Free Surfac	0.573	0.043	0.003	0.036	0.029	0.653	1.348	Yes	0.064	0.241			
02860	2853	142	18	459.25	0.008	11.437	11.437	Pressurized	6.472	1	1.235	1.5	1.176	0.931	9.26	Yes	1.5	6.472	16.37	18	2
02861	198	2853	18	461.22	0.007	11.425	11.425	Pressurized	6.465	1	1.268	1.5	1.162	0.93	9.014	Yes	1.5	6.465	16.78	18	2
02862	2854	144	8	317.57	0.034	0.009	0.009	Free Surfac	1.578	0.047	0.004	0.031	0.043	1.924	2.247	Yes	0.062	0.572			
02863	2861	144	8	148.3	0.027	0.009	0.009	Free Surfac	1.458	0.049	0.005	0.033	0.043	1.73	2.005	Yes	0.061	0.581			
02864	544	545	10	22	0.102	0.084	0.084	Free Surfac	4.368	0.077	0.012	0.064	0.124	3.692	7.018	Yes	0.075	3.448			
02868	2856	2857	8	298.47	0.004	0.035	0.035	Free Surfac	1.133	0.144	0.045	0.096	0.085	0.776	0.783	No	0.096	1.133			
02869	2855	2856	8	345.50	0.034	0.016	0.016	Free Surfac	1.838	0.06	0.007	0.04	0.056	1.974	2.223	Yes	0.069	0.818			
02870	2858	193	12	268.01	0.01	0.654	0.654	Pressurized	3.414	0.293	0.187	0.293	0.337	1.311	3.5	Yes	1	0.833			
02871	53	2858	12	153.03	0.005	0.643	0.643	Pressurized	2.598	0.353	0.267	0.353	0.334	0.9	2.411	Yes	1	0.818			
02872	2859	1154	8	283.64	0.016	0.01	0.01	Free Surfac	1.24	0.058	0.006	0.038	0.045	1.358	1.537	Yes	0.039	1.202			
02873	1718	2875	15	85.20	0.01	3.791	3.791	Free Surfac	5.407	0.556	0.596	0.695	0.787	1.268	6.358	No	0.695	5.407			
02874	1152	1153	15	23.65	0.137	3.821	3.821	Pressurized	14.297	0.27	0.159	0.337	0.79	5.134	23.973	Yes	1.25	3.113			
02875	2864	1381	8	223.45	0.104	0.012	0.012	Free Surfac	2.481	0.04	0.003	0.027	0.048	3.271	3.907	Yes	0.032	1.861			
02876	2863	2864	8	32.45	0.049	0.006	0.006	Free Surfac	1.543	0.034	0.002	0.023	0.034	2.19	2.675	Yes	0.026	1.299			
02877	1659	2865	12	183.87	0.014	2.942	2.942	Free Surfac	5.783	0.617	0.701	0.617	0.735	1.409	4.196	Yes	0.658	5.369			
02881	2866	2344	8	122.42	0.024	0.057	0.057	Free Surfac	2.431	0.119	0.03	0.08	0.108	1.837	1.894	Yes	0.083	2.295			
02882	2867	2866	8	165.89	0.01	0.006	0.006	Free Surfac	0.881	0.05	0.005	0.033	0.034	1.038	1.2	Yes	0.055	0.414			
02883	2868	2866	8	73.25	0.031	0.046	0.046	Free Surfac	2.474	0.101	0.021	0.067	0.097	2.034	2.137	Yes	0.072	2.227			
02884	3042	2868	8	349.97	0.02	0.04	0.04	Free Surfac	2.025	0.106	0.024	0.071	0.09	1.626	1.699	No	0.071	2.025			
02885	2869	2331	8	316.67	0.024	0.011	0.011	Free Surfac	1.483	0.056	0.006	0.037	0.048	1.648	1.873	Yes	0.065	0.66			
02886	2870	2869	8	156.08	0.023	0.006	0.006	Free Surfac	1.188	0.041	0.003	0.027	0.034	1.549	1.845	Yes	0.031	0.965			
02887	2871	800	8	326.45	0.039	0.023	0.023	Free Surfac	2.16	0.069	0.01	0.046	0.068	2.157	2.381	Yes	0.049	1.988			
02888	2877	500	8	14.11	0.007	0.016	0.016	Free Surfac	1.082	0.088	0.016	0.059	0.057	0.954	1.02	Yes	0.065	0.938			
02889	2879	2878	8	52.08	0.013	0.037	0.037	Free Surfac	1.73	0.112	0.026	0.075	0.087	1.351	1.403	No	0.075	1.73			
02890	2878	1607	8	37.05	0.283	0.042	0.042	Free Surfac	5.194	0.057	0.006	0.038	0.092	5.694	6.45	Yes	0.667	0.119			
02892	2881	2880	8	67.24	0.014	0.019	0.019	Free Surfac	1.419	0.08	0.013	0.053	0.061	1.317	1.426	No	0.053	1.419			
02893	1162	2881	8	120.79	0.067	0.014	0.014	Free Surfac	2.256	0.048	0.004	0.032	0.053	2.706	3.144	Yes	0.541	0.046			
02894	1740	1431	12	75.93	0.004	6.258	6.258	Pressurized	7.968	1	2.787	1	0.641	1.404	2.245	Yes	1	7.968	14.87	15	2
02895	1741	1740	12	30.16	0.013	6.253	6.253	Pressurized	7.962	1	1.539	1	0.853	1.403	4.062	Yes	1	7.962	11.92	12	2
02897	2882	1766	8	275.08	0.062	0.008	0.008	Free Surfac	1.875	0.038	0.003	0.026	0.041	2.516	3.022	Yes	0.044	0.848			
02898	2883	1403	8	194.58	0.058	0.006	0.006	Free Surfac	1.641	0.033	0.002	0.022	0.034	2.378	2.923	Yes	0.025	1.378			
02899	882	888	8	162.15	0.058	0.012	0.012	Free Surfac	2.028	0.046	0.004	0.03	0.048	2.496	2.922	Yes	0.667	0.033			
02900	2872	2873	8	132.84	0.017	0.019	0.019	Free Surfac	1.524	0.077	0.012	0.051	0.062	1.443	1.571	Yes	0.069	0.971			
02901	2873	2874	8	123.20	0.008	0.037	0.037	Free Surfac	1.449	0.127	0.035	0.085	0.087	1.059	1.084	Yes	0.112	0.97			
02902	2874	981	8	103.99	0.002	0.056	0.056	Free Surfac	1.024	0.214	0.101	0.143	0.107	0.57	0.558	No	0.143	1.024			
02903	981	984	8	241.59	0.006	0.075	0.075	Free Surfac	1.643	0.188	0.078	0.126	0.124	0.979	0.967	No	0.126	1.643			
02904	984	985	8	184.86	0.023	0.112	0.112	Free Surfac	2.903	0.168	0.061	0.112	0.153	1.836	1.829	Yes	0.138	2.144			
02907	2876	1152	15	153.09	0.03	3.811	3.811	Free Surfac	8.282	0.401	0.339	0.501	0.789	2.382	11.249	Yes	1.25	3.105			
02908	2886	2885	8	109.76	0.042	0.075	0.075	Free Surfac	3.196	0.119	0.03	0.079	0.124	2.418	2.494	No	0.079	3.196			
02909	2885	1294	8	78.49	0.066	0.078	0.078	Free Surfac	3.783	0.109	0.025	0.072	0.127	2.998	3.124	Yes	0.102	2.29			
02910	662	2887	10	13.24	0.104	7.341	7.341	Pressurized	13.459	1	1.038	0.833	0.83	2.598	7.072	Yes	0.833	13.459	11.11	12	1
02911	2893	2894	10	376.82	0.028	7.373	7.373	Pressurized	13.519	1	1.994	0.833	0.792	2.61	3.698	Yes	0.833	13.519	14.24	15	1
02912	2887	2888	10	246.83	0.044	7.346	7.346	Pressurized	13.468	1	1.602	0.833	0.815	2.6	4.586	Yes	0.833	13.468	13.06	15	1
02913	2888	2889	10	319.41	0.043	7.35	7.35	Pressurized	13.476	1	1.618	0.833	0.814	2.602	4.543	Yes	0.833	13.476	13.12	15	1
02914	2889	2890	10	384.38	0.038	7.355	7.355	Pressurized	13.485	1	1.707	0.833	0.81	2.603	4.308	Yes	0.833	13.485	13.43	15	1
02915	2890	2891	10	357.24	0.03	7.359	7.359	Pressurized	13.493	1	1.926	0.833	0.797	2.605	3.822	Yes	0.833	13.493	14.04	15	1
02916	2891	2892	10	157.12	0.022	7.364	7.364	Pressurized	13.502	1	2.255	0.833	0.77	2.606	3.266	Yes	0.833	13.502	14.89	15	1
02917	2892	2893	10	310.29	0.027	7.369	7.369	Pressurized	13.51	1	2.06	0.833	0.787	2.608	3.576	Yes	0.833	13.51	14.33	15	1
02918	2894	2895	10	243.73	0.03	7.378	7.378	Pressurized	13.527	1	1.939	0.833	0.796	2.611	3.804	Yes	0.833	13.527	14.06	15	1
02919	2895	2554	15	76.97	0.042	13.581	13.581	Pressurized	11.067	1	1.017	1.25	1.228	1.744	13.35	Yes	1.25	11.067	12.79	15	2
02920	2896	2897	8	181.69	0.005	0.005	0.005	Pressurized	0.671	0.052	0.005	0.035	0.03	0.775	0.89	Yes	0.667	0.013			
02921	2897	2551	8	67.22	0.006	0.009	0.009	Pressurized	0.864	0.07	0.01	0.047	0.043	0.858	0.946	Yes	0.667	0.027			
02922	2900	2751	8	232.19	0.075	0.003	0.003	Free Surfac	1.488	0.024	0.001	0.016	0.025	2.556	3.31	Yes	0.021	0.968			
02923	2898	2534	8	270.86	0.006	0.006	0.006	Free Surfac	0.782	0.058	0.007	0.039	0.036	0.853	0.965	Yes	0.087	0.237			
02924	2899	2898	8	88.21	0.008	0.003	0.003	Free Surfac	0.673	0.04	0.003	0.027	0.025	0.885	1.056	Yes	0.033	0.5			
02925	1721	2909	8	148.58	0.009	0.032	0.032	Free Surfac	1.473	0.114	0.027	0.076	0.081	1.139	1.18	No	0.076	1.473			
02926	2909	2545	8	51.26	0.032	0.037	0.037	Free Surfac	2.349	0.091	0.017	0.061	0.087	2.041	2.174	Yes	0.067	2.022			
02927	2901	2902	8	263.19	0.026	0.009	0.009	Free Surfac	1.423	0.05	0.005	0.033	0.043	1.675	1.936	Yes	0.039	1.134			
02928	2902	2903	8	331.25	0.017	0.014	0.014	Free Surfac	1.397	0.066	0.009	0.044	0.053	1.423	1.58	Yes	0.053	1.07			
02929	2903	2904	8	272.79	0.007	0.019	0.019	Free Surfac	1.139	0.093	0.018	0.062	0.061	0.979	1.04	Yes	0.158	0.292			
02930	2906	2905	8	342.8	0.008	0.005	0.005	Free Surfac	0.764	0.048	0.004	0.032	0.03	0.922	1.073	Yes	0.148	0.08			
02931	2905	2904	10	308.38	0.03	0.841	0.841	Free Surfac	5.629	0.318	0.22	0.265	0.406	2.261	3.829	No	0.265	5.629			
02932	2904	2907	10	241.49	0.037	0.864	0.864	Free Surfac	6.115	0.306	0.203	0.255	0.411	2.512	4.253	Yes	0.833	1.584			
02933	2907	2908	10	250.45	0.011	0.883	0.883	Pressurized	3.998	0.425	0.376	0.354	0.416	1.361	2.348	Yes	0.833	1.618			
02934	2908	1116	10	187.37	0.005	0.887	0.887	Pressurized	2.898	0.548	0.583	0.457	0.417	0.84	1.523	Yes	0.833	1.627			
02935	2910	2901	8	243.49	0.023	0.005	0.005	Free Surfac	1.106	0.037	0.003	0.025	0.03	1.512	1.826	Yes	0.029	0.872			
02936	2914	2913	8	217.77	0.007	0.006	0.006	Free Surfac	0.763	0.054	0.006	0.036	0.033	0.865	0.989	Yes	0.045	0.546			
02937	2913	2912	8	222.22	0.005	0.011	0.011	Free Surfac	0.831	0.081	0.013	0.054	0.047	0.765	0.827	Yes	0.06	0.711			
02940	1252	2915	8	119.01	0.01	0.002	0.002	Free Surfac	0.655	0.031	0.002	0.02	0.02	0.988	1.229	Yes	0.031	0.342			
02941	2916	1699	12	64.31	0.057	2.154	2.154	Free Surfac	9.064	0.342	0.252	0.342	0.627	3.192	8.544	Yes	0.344	9.007			
02942	1215	2917	12	450.07	0.004	2.517	2.517	Pressurized	3.204	1	1.099	1	0.647	0.565	2.29	No	1	3.204	10.57	12	2
02943	1449	1448	8	300.30	0.005	0.024	0.024	Pressurized	1.094	0.113	0.027	0.075	0.069	0.85	0.882	Yes	0.667	0.068			
02946	1207	2919	8	181.57	0.009	0.004	0.004	Free Surfac	0.764	0.044	0.004	0.029	0.029	0.961	1.132	Yes	0.369	0.021			
02947	2919	1549	8	402.72	0.003	0.006	0.006	Pressurized	0.628	0.066	0.009	0.044	0.035	0.642	0.714	Yes	0.667	0.018			
02948	1920	2920	8	325.23	0.007	1.024	1.024	Free Surfac	3.4	0.806	0.984	0.537	0.48	0.793	1.041	Yes	0.539	3.391	6.79	8	2
02949	1617	2921	8	399.33	0.004	0.621	0.621	Free Surfac	2.419	0.689	0.82	0.459	0.371	0.661	0.757	No	0.459	2.419	6.25	8	2
02955	30	27	8	105.69	0.029	0.013	0.013	Pressurized	1.654	0.057	0.006	0.038	0.051	1.818	2.061	Yes	0.667	0.038			
02956	2795	2934	8	318.45	0.004	23.21	23.21	Pressurized	66.491	1	29.4	0.667	0.42	14.351	0.789	Yes	0.667	66.491	24.31	30	2
02957	2934	2933	8	308.76	0.004	23.213	23.213	Pressurized	66.502	1	31.643	0.667	0.405	14.353	0.734	Yes	0.667	66.502	24.31	30	2
02958	2933	2932	8	400.92	0.004	23.217	23.217	Pressurized	66.512	1	29.054	0.667	0.423	14.356	0.799	Yes	0.667	66.512	24.31	30	2
02959	2931	2930	8	394.79	0.007	23.48	23.48	Pressurized	67.264	1	23.032	0.667	0.479	14.518	1.019	Yes	0.667	67.264	21.98	24	2
02960	2930	2929	8	251.29	0.008	23.483	23.483	Pressurized	67.275	1	21.65	0.667	0.494	14.52	1.085	Yes	0.667	67.275	21.44	24	2
02961	2929	2928	8	249.15	0.008	23.487	23.487	Pressurized	67.286	1	21.713	0.667	0.493	14.522	1.082	Yes	0.667	67.286	21.44	24	2
02962	2928	2927	8	395.36	0.011	23.491	23.491	Pressurized	67.296	1	18.099	0.667	0.538	14.525	1.298	Yes	0.667	67.296	20.20	21	2
02963	2927	2926	8	393.15	0.01	23.494	23.494	Pressurized	67.307	1	19.654	0.667	0.518	14.527	1.195	Yes	0.667	67.307	20.56	21	2
02964	2926	2925	8	395.37	0.011	23.498	23.498	Pressurized	67.317	1	18.632	0.667	0.531	14.529	1.261	Yes	0.667	67.317	20.20	21	2
02965	2925	2924	8	395.47	0.01	23.502	23.502	Pressurized	67.328	1	19.768	0.667	0.517	14.532	1.189	Yes	0.667	67.328	20.57	21	2
02966	12	13	8	299.15	0.025	0.007	0.007	Free Surfac	1.276	0.043	0.003	0.028	0.036	1.625	1.922	Yes	0.037	0.85			
02967	13	14	8	194.35	0.025	0.02	0.02	Free Surfac	1.783	0.071	0.01	0.048	0.063	1.75	1.924	Yes	0.063	1.174			
02968	16	17	8	175.25	0.012	0.046	0.046	Free Surfac	1.796	0.127	0.034	0.084	0.097	1.316	1.348	Yes	0.667	0.132			
02969	11	10	8	224.22	0.027	3.94	3.94	Pressurized	11.288	1	1.986	0.667	0.625	2.436	1.984	Yes	0.667	11.288	8.74	10	2
02970	21	22	8	207.84	0.009	0.085	0.085	Pressurized	1.966	0.182	0.072	0.121	0.133	1.192	1.18	Yes	0.667	0.245			
02971	22	23	8	107.09	0.018	4.078	4.078	Pressurized	11.684	1	2.499	0.667	0.591	2.522	1.632	Yes	0.667	11.684	9.55	10	2
02972	25	22	8	198.57	0.006	3.986	3.986	Pressurized	11.42	1	4.268	0.667	0.458	2.465	0.934	Yes	0.667	11.42	11.64	12	2
02973	26	25	8	300	0.017	3.98	3.98	Pressurized	11.401	1	2.507	0.667	0.585	2.461	1.587	Yes	0.667	11.401	9.57	10	2
02974	10	28	8	81.09	0.025	3.947	3.947	Pressurized	11.307	1	2.069	0.667	0.619	2.44	1.907	Yes	0.667	11.307	8.87	10	2
02975	28	27	8	66.18	0.012	3.954	3.954	Pressurized	11.326	1	3.007	0.667	0.541	2.445	1.315	Yes	0.667	11.326	10.19	12	2
02976	31	21	8	159.69	0.01	0.026	0.026	Pressurized	1.413	0.102	0.022	0.068	0.073	1.158	1.217	Yes	0.667	0.075			

02977	32	31	8	130	0.022	0.02	0.02	Free Surfac	1.696	0.074	0.011	0.049	0.063	1.637	1.791	Yes	0.665	0.057			
02978	38	37	8	289.18	0.008	0.066	0.066	Pressurized	1.723	0.166	0.06	0.111	0.116	1.095	1.092	Yes	0.667	0.188			
02979	41	39	8	131.87	0.019	0.033	0.033	Free Surfac	1.884	0.097	0.02	0.065	0.082	1.58	1.668	Yes	0.067	1.781			
02980	40	41	8	91.35	0.011	0.026	0.026	Free Surfac	1.47	0.099	0.02	0.066	0.073	1.222	1.287	No	0.066	1.47			
02981	39	49	8	181.6	0.019	0.039	0.039	Free Surfac	1.999	0.106	0.024	0.071	0.09	1.606	1.679	Yes	0.076	1.798			
02982	50	38	8	111.09	0.012	0.053	0.053	Free Surfac	1.843	0.136	0.04	0.091	0.104	1.3	1.321	Yes	0.519	0.181			
02983	2924	2935	8	394.98	0.011	23.506	23.506	Pressurized	67.338	1	18.725	0.667	0.53	14.534	1.255	Yes	0.667	67.338	20.20	21	2
02984	2935	2936	8	230.1	0.014	24.149	24.149	Pressurized	69.181	1	16.694	0.667	0.564	14.931	1.447	Yes	0.667	69.181	19.51	21	2
02985	2936	2424	8	298.41	0.01	24.153	24.153	Pressurized	69.193	1	19.496	0.667	0.527	14.934	1.239	Yes	0.667	69.193	20.78	21	2
02986	2932	2931	8	366.84	0.013	23.476	23.476	Pressurized	67.254	1	17.253	0.667	0.55	14.516	1.361	Yes	0.667	67.254	19.57	21	2
02987	2938	2937	8	209.97	0.009	0.013	0.013	Free Surfac	1.114	0.074	0.011	0.05	0.051	1.071	1.171	Yes	0.059	0.857			
02988	2937	2004	8	216.89	0.005	0.02	0.02	Free Surfac	1.03	0.103	0.022	0.069	0.063	0.838	0.878	Yes	0.107	0.539			
02989	2940	2939	8	196.03	0.008	0.013	0.013	Free Surfac	1.072	0.076	0.012	0.051	0.051	1.017	1.108	Yes	0.06	0.848			
02990	2939	2005	8	399.43	0.005	0.02	0.02	Free Surfac	1.039	0.103	0.022	0.068	0.063	0.847	0.889	Yes	0.094	0.658			
02991	2941	2003	8	208.05	0.006	0.033	0.033	Free Surfac	1.255	0.128	0.035	0.085	0.082	0.914	0.935	Yes	0.133	0.659			
02992	2942	2731	8	63.75	0.044	0.006	0.006	Free Surfac	1.477	0.035	0.002	0.023	0.034	2.077	2.53	Yes	0.025	1.326			
02994	2943	1296	8	247.92	0.005	0.045	0.045	Free Surfac	1.327	0.154	0.051	0.103	0.096	0.878	0.882	Yes	0.13	0.945			
02995	2944	1273	8	71.45	0.019	0.003	0.003	Free Surfac	0.894	0.031	0.002	0.021	0.024	1.337	1.658	Yes	0.029	0.537			
02997	2946	2408	10	447.49	0.003	1.416	1.416	Pressurized	2.596	1	1.144	0.833	0.497	0.501	1.237	Yes	0.833	2.596	8.99	10	2
02998	2945	2946	8	309.17	0.01	0.004	0.004	Pressurized	0.821	0.043	0.003	0.029	0.029	1.043	1.233	Yes	0.667	0.012			
02999	2953	2952	10	409.20	0.005	0.897	0.897	Pressurized	2.842	0.562	0.606	0.468	0.42	0.811	1.479	Yes	0.833	1.645			
03000	2952	2951	10	397.28	0.004	0.901	0.901	Pressurized	2.674	0.593	0.66	0.494	0.421	0.734	1.365	Yes	0.833	1.653			
03001	2951	2950	10	399.04	0.004	0.906	0.906	Pressurized	2.627	0.605	0.68	0.504	0.422	0.712	1.332	Yes	0.833	1.66			
03002	2954	2946	10	236.03	0.004	1.408	1.408	Pressurized	2.959	0.814	0.994	0.679	0.531	0.609	1.416	Yes	0.833	2.581	8.50	10	2
03003	2947	2703	8	232.08	0.008	0.004	0.004	Pressurized	0.735	0.046	0.004	0.031	0.029	0.9	1.052	Yes	0.667	0.012			
03004	2950	2700	10	350.35	0.007	1.267	1.267	Pressurized	3.574	0.619	0.704	0.516	0.503	0.952	1.799	Yes	0.833	2.323			
03005	2948	2949	10	315.58	0.004	0.004	0.004	Free Surfac	0.582	0.04	0.003	0.033	0.028	0.685	1.428	Yes	0.833	0.008			
03006	2949	2703	10	273.48	0.014	0.009	0.009	Pressurized	1.079	0.042	0.003	0.035	0.039	1.238	2.562	Yes	0.833	0.016			
03007	2704	2954	10	265.98	0.005	1.403	1.403	Pressurized	3.126	0.767	0.936	0.639	0.53	0.69	1.5	Yes	0.833	2.573	8.14	10	2
03008	1705	2957	8	131.66	0.092	0.017	0.017	Free Surfac	2.693	0.05	0.005	0.033	0.059	3.18	3.679	Yes	0.041	1.927			
03009	2955	1705	8	197.86	0.012	0.012	0.012	Free Surfac	1.158	0.067	0.009	0.044	0.048	1.178	1.307	No	0.044	1.158			
03010	2956	2955	8	47.7	0.135	0.006	0.006	Free Surfac	2.199	0.027	0.001	0.018	0.034	3.517	4.456	Yes	0.033	0.909			
03011	2958	732	8	56.79	0.015	0.043	0.043	Free Surfac	1.879	0.117	0.029	0.078	0.094	1.432	1.48	Yes	0.667	0.123			
03012	2959	890	8	31.72	0.042	0.023	0.023	Free Surfac	2.222	0.068	0.009	0.045	0.068	2.234	2.472	Yes	0.205	0.252			
03013	2960	888	12	197.69	0.005	2.096	2.096	Pressurized	3.553	0.703	0.842	0.703	0.618	0.779	2.489	Yes	1	2.669	9.46	10	2
03014	887	2961	12	46.25	0.144	2.172	2.172	Free Surfac	12.656	0.271	0.16	0.271	0.63	5.075	13.564	Yes	1	2.765			
03015	2962	884	8	32.21	0.006	0.139	0.139	Free Surfac	1.879	0.265	0.153	0.177	0.17	0.933	0.906	Yes	0.349	0.752			
03016	2963	811	8	369.46	0.031	0.01	0.01	Free Surfac	1.578	0.051	0.005	0.034	0.046	1.844	2.127	Yes	0.064	0.619			
03017	3037	2334	8	98.85	0.009	0.006	0.006	Free Surfac	0.868	0.05	0.005	0.034	0.034	1.018	1.175	Yes	0.049	0.498			
03018	2964	2224	8	165.81	0.038	0.858	0.858	Free Surfac	6.229	0.417	0.363	0.278	0.439	2.398	2.362	Yes	0.317	5.249			
03019	2243	667	10	156.6	0.055	1.241	1.241	Free Surfac	7.795	0.333	0.24	0.278	0.497	3.052	5.175	Yes	0.833	2.275			
03020	2967	379	8	82.07	0.002	0.052	0.052	Free Surfac	1.051	0.199	0.087	0.133	0.103	0.608	0.598	No	0.133	1.051			
03023	312	9000	12	51.06	0.031	1.883	1.883	Free Surfac	7.003	0.375	0.299	0.375	0.585	2.342	6.298	No	0.375	7.003			
03027	2970	984	8	207.63	0.022	0.019	0.019	Free Surfac	1.68	0.072	0.01	0.048	0.062	1.645	1.807	Yes	0.079	0.806			
03028	985	987	8	359.88	0.007	0.131	0.131	Free Surfac	2.023	0.241	0.127	0.161	0.165	1.057	1.029	No	0.161	2.023			
03029	987	1714	8	202.93	0.024	0.15	0.15	Free Surfac	3.207	0.192	0.08	0.128	0.177	1.894	1.867	Yes	0.308	0.951			
03033	2972	2911	6	381.46	0.029	0.006	0.006	Free Surfac	1.341	0.056	0.006	0.028	0.037	1.724	0.955	Yes	0.5	0.029			
03034	2971	947	8	34.05	0.345	0.029	0.029	Free Surfac	4.977	0.046	0.004	0.031	0.077	6.087	7.114	Yes	0.05	2.407			
03035	992	946	8	86.37	0.044	0.017	0.017	Free Surfac	2.089	0.059	0.007	0.039	0.059	2.262	2.553	Yes	0.05	1.45			
03036	2974	992	8	125.25	0.02	0.006	0.006	Free Surfac	1.139	0.042	0.003	0.028	0.034	1.459	1.728	Yes	0.032	0.944			
03037	952	2975	8	108.08	0.039	0.087	0.087	Free Surfac	3.251	0.13	0.036	0.087	0.134	2.35	2.4	Yes	0.129	1.826			
03038	2975	2980	12	382.32	0.002	0.104	0.104	Free Surfac	1.16	0.172	0.064	0.172	0.132	0.593	1.624	Yes	0.213	0.848			
03039	2980	2979	12	366.16	0	0.11	0.11	Free Surfac	0.695	0.255	0.143	0.255	0.135	0.288	0.77	No	0.255	0.695			
03040	2979	2978	12	363.35	0.003	0.116	0.116	Free Surfac	1.386	0.163	0.058	0.163	0.139	0.727	2.001	Yes	0.173	1.275			
03041	2978	2977	12	407.48	0.002	0.121	0.121	Free Surfac	1.238	0.182	0.073	0.182	0.142	0.612	1.669	Yes	0.371	0.458			
03042	2977	1708	12	55.95	0.001	0.127	0.127	Free Surfac	0.806	0.255	0.142	0.255	0.146	0.334	0.893	Yes	0.577	0.271			
03043	2981	2982	12	501.4	0.002	0.006	0.006	Free Surfac	0.481	0.044	0.004	0.044	0.031	0.494	1.603	Yes	0.052	0.371			
03044	2982	2975	12	290.18	0.002	0.012	0.012	Free Surfac	0.596	0.06	0.007	0.06	0.043	0.52	1.611	Yes	0.116	0.228			
03045	1716	2983	12	423.65	0.039	2.899	2.899	Free Surfac	8.53	0.447	0.412	0.447	0.73	2.571	7.041	No	0.447	8.53			
03046	1820	2976	18	64.05	0.017	21.917	21.917	Pressurized	12.402	1	1.588	1.5	1.376	1.785	13.803	Yes	1.5	12.402	18.14	21	2
03047	2984	1953	21	330.29	0.001	0.004	0.004	Pressurized	0.343	0.021	0.001	0.037	0.023	0.385	5.665	Yes	1.75	0.002			
03048	1957	2991	21	382.51	0.002	26.405	26.405	Pressurized	10.978	1	3.408	1.75	1.032	1.462	7.749	Yes	1.75	10.978	29.05	30	2
03049	2991	2990	24	389.16	0.001	26.412	26.412	Pressurized	8.407	1	3.387	2	0.993	1.048	7.798	Yes	2	8.407	33.09	36	2
03050	2990	2989	24	383.21	0.001	26.419	26.419	Pressurized	8.409	1	3.257	2	1.014	1.048	8.111	Yes	2	8.409	33.09	36	2
03051	2989	2988	24	385.31	0.002	26.425	26.425	Pressurized	8.411	1	2.334	2	1.207	1.048	11.322	Yes	2	8.411	29.06	30	2
03052	2988	2987	24	385.63	0.002	26.432	26.432	Pressurized	8.413	1	2.735	2	1.111	1.048	9.664	Yes	2	8.413	29.07	30	2
03053	2987	2986	24	383.74	0.002	26.438	26.438	Pressurized	8.416	1	2.602	2	1.141	1.049	10.161	Yes	2	8.416	29.07	30	2
03054	2986	2001	24	340.32	0.001	26.445	26.445	Pressurized	8.418	1	4.218	2	0.886	1.049	6.27	Yes	2	8.418	33.11	36	2
03055	2001	2985	24	45.68	0.062	28.793	28.793	Pressurized	18.061	0.506	0.51	1.012	1.843	3.565	56.458	Yes	2	9.165			
03056	2985	3005	24	329.52	0.008	28.799	28.799	Pressurized	9.167	1	1.461	2	1.596	1.142	19.718	No	2	9.167	23.14	24	2
03073	2911	2973	6	36.08	0.077	0.012	0.012	Pressurized	2.334	0.061	0.007	0.031	0.052	2.861	1.564	Yes	0.5	0.059			
03074	3008	875	8	277.60	0.005	0.033	0.033	Free Surfac	1.195	0.133	0.038	0.089	0.082	0.854	0.87	Yes	0.099	1.013			
03075	3009	3010	8	102.38	0.06	0.014	0.014	Free Surfac	2.161	0.049	0.005	0.033	0.053	2.555	2.957	Yes	0.548	0.045			
03091	580	581	8	38.25	0.023	0.008	0.008	Free Surfac	1.305	0.047	0.004	0.031	0.039	1.585	1.848	Yes	0.156	0.124			
03092	3019	1701	8	120.75	0.063	0.199	0.199	Free Surfac	4.921	0.173	0.065	0.115	0.205	3.065	3.046	Yes	0.285	1.393			
03093	3020	3019	8	271.37	0.046	0.022	0.022	Free Surfac	2.274	0.065	0.009	0.044	0.067	2.335	2.597	Yes	0.079	0.939			
03094	3021	3020	8	163.15	0.021	0.011	0.011	Free Surfac	1.411	0.057	0.006	0.038	0.047	1.56	1.771	Yes	0.039	1.334			
03095	3022	2803	8	65.72	0.017	0.004	0.004	Free Surfac	0.931	0.036	0.002	0.024	0.027	1.297	1.575	Yes	0.594	0.011			
03096	3023	2803	8	398.66	0.01	0.004	0.004	Free Surfac	0.781	0.04	0.003	0.027	0.027	1.024	1.221	Yes	0.588	0.011			
03097	1723	3024	10	293.07	0.012	0.827	0.827	Free Surfac	4.04	0.401	0.339	0.335	0.402	1.422	2.438	No	0.335	4.04			
03098	3024	2905	10	233.36	0.033	0.832	0.832	Free Surfac	5.78	0.31	0.208	0.258	0.403	2.357	3.99	Yes	0.262	5.671			
03099	3025	2464	8	186.10	0.028	0.049	0.049	Free Surfac	2.428	0.107	0.024	0.072	0.1	1.935	2.019	Yes	0.176	0.662			
03100	3026	2497	8	318.48	0.004	0.042	0.042	Free Surfac	1.158	0.16	0.055	0.106	0.092	0.752	0.753	Yes	0.112	1.074			
03101	3027	3026	8	304.63	0.018	0.021	0.021	Free Surfac	1.6	0.08	0.013	0.053	0.065	1.487	1.61	Yes	0.08	0.88			
03102	3028	2507	8	201.38	0.007	0.021	0.021	Free Surfac	1.147	0.1	0.021	0.067	0.065	0.949	0.999	Yes	0.071	1.041			
03103	3029	2505	8	255.59	0.005	0.062	0.062	Free Surfac	1.45	0.181	0.071	0.121	0.113	0.882	0.874	No	0.121	1.45			
03104	3030	3029	8	255.76	0.005	0.042	0.042	Free Surfac	1.225	0.153	0.051	0.102	0.092	0.812	0.816	Yes	0.111	1.083			
03105	3031	3030	8	108.93	0.043	0.021	0.021	Free Surfac	2.189	0.064	0.008	0.043	0.065	2.265	2.525	Yes	0.073	1.009			
03106	3033	2502	8	290.17	0.006	0.042	0.042	Free Surfac	1.335	0.145	0.045	0.096	0.092	0.913	0.922	No	0.096	1.335			
03107	3032	3033	8	288.69	0.005	0.021	0.021	Free Surfac	1.037	0.107	0.024	0.071	0.065	0.828	0.865	Yes	0.084	0.818			
03108	3035	2501	8	287.21	0.045	0.042	0.042	Free Surfac	2.731	0.089	0.016	0.059	0.092	2.401	2.565	Yes	0.074	1.982			
03109	3034	3035	8	285.28	0.022	0.021	0.021	Free Surfac	1.727	0.076	0.012	0.05	0.065	1.647	1.796	Yes	0.055	1.528			
03110	2105	4	8	140.42	0.005	0.053	0.053	Pressurized	1.323	0.171	0.064	0.114	0.104	0.829	0.824	Yes	0.667	0.151			
03111	3036	2035	12	22.20	0.115	12.242	12.242	Pressurized	15.587	1	1.009	1	0.997	2.747	12.131	Yes	1	15.587	10.19	12	2
03112	3054	3041	8	216.83	0.011	0.006	0.006	Free Surfac	0.919	0.048	0.004	0.032	0.034	1.098	1.275	Yes	0.036	0.795			
03113	3041	3042	8	55.1	0.02	0.011	0.011	Free Surfac	1.393	0.058	0.007	0.039	0.048	1.515	1.712	Yes	0.055	0.841			
03114	3043	3042	8	45.1	0.022	0.023	0.023	Free Surfac	1.771	0.079	0.013	0.053	0.068	1.648	1.786	Yes	0.062	1.409			
03115	3044	3043	8	115.09	0.049	0.017	0.017	Free Surfac	2.147	0.057	0.006	0.038	0.059	2.357	2.67	Yes	0.046	1.656			
03116	3046	3044	8	59.5	0.049	0.011	0.011	Free Surfac	1.909	0.047	0.004	0.031	0.048	2.311	2.693	Yes	0.035	1.641			
03117	3045	3046	8	34.58	0.045	0.006	0.006	Free Surfac	1.494	0.035	0.002	0.023	0.034	2.105	2.565	Yes	0.027	1.174			
03118	3038	2334	8	68.51	0.027	0.017	0.017	Free Surfac	1.74	0.066	0.009	0.044	0.059	1.778	1.975	Yes	0.054	1.285			
03119	3039	3038	8	83.73	0.028	0.011	0.011	Free Surfac	1.575	0.054	0.006	0.036	0.048	1.786	2.043	Yes	0.04	1.341			
03120	3040	3039	8	165.94	0.034	0.006	0.006	Free Surfac	1.359	0.037	0.003	0.025	0.034	1.855	2.24	Yes	0.03	1.009			
03121	3049	2329	8	133.94	0.019	0.04	0.04	Free Surfac	1.986	0.107	0.024	0.072	0.09	1.583	1.652	No	0.072	1.986			
03122	3048	3049	8	259.84	0.019	0.034	0.034	Free Surfac	1.899	0.1	0.021	0.066	0.084	1.574	1.657	Yes	0.069	1.796			
03123	3047	3048	8	120.83	0.01	0.006	0.006	Free Surfac	0.892	0.049	0.005	0.033	0.034	1.056	1.222	Yes	0.05	0.486			
03124	3053	3048	8	177.85	0.018	0.023	0.023	Free Surfac	1.667	0.083	0.014	0.055	0.068	1.519	1.638	Yes	0.061	1.443			
03125	3052	3053	8	60.94	0.192	0.017	0.017	Free Surfac	3.464	0.042	0.003	0.028	0.059	4.475	5.313	Yes	0.667	0.049			
03126	3051	3052	8	215.79	0.025	0.011	0.011	Free Surfac	1.496	0.056	0.006	0.037	0.048	1.667	1.897	No	0.037	1.496			
03127	3050	3051	8	208.75	0.022	0.006	0.006	Free Surfac	1.166	0.041	0.003	0.027	0.034	1.511	1.797	Yes	0.032	0.919			
03128	3058	2941	8	208.64	0.006	0.026	0.026	Free Surfac	1.189	0.114	0.027	0.076	0.073	0.919	0.953	Yes	0.081	1.09			
03129	3057	3058	8	203.95	0.006	0.02	0.02	Free Surfac	1.087	0.1	0.021	0.066	0.063	0.901	0.949	Yes	0.071	0.981			
03130	3056	3057	8	308.15	0.005	0.013	0.013	Free Surfac	0.925	0.084	0.015	0.056	0.051	0.835	0.897	Yes	0.061	0.815			
03131	3055	3056	8	112.16	0.007	0.007	0.007	Free Surfac	0.836	0.057	0.006	0.038	0.036	0.924	1.049	Yes	0.047	0.603			
03132	3059	2907	8	267.3	0.007	0.014	0.014	Pressurized	1.004	0.083	0.014	0.055	0.053	0.913	0.983	Yes	0.667	0.04			
03133	3060	3059	8	148.26	0.007	0.005	0.005	Pressurized	0.733	0.049	0.005	0.033	0.03	0.871	1.01	Yes	0.667	0.013			
03134	3061	3059	8	336.05	0.019	0.005	0.005	Free Surfac	1.03	0.039	0.003	0.026	0.03	1.376	1.65	Yes	0.667	0.013			
03135	3075	2855	8	136.74	0.04	0.008	0.008	Free Surfac	1.578	0.042	0.003	0.028	0.04	2.037	2.419	Yes	0.034	1.175			
03136	3076	3075	8	68.60	0.042	0.004	0.004	Free Surfac	1.299	0.03	0.002	0.02	0.028	1.984	2.478	Yes	0.024	0.992			
03137	3072	3073	8	371.71	0.067	0.008	0.008	Free Surfac	1.887	0.037	0.003	0.025	0.04	2.588	3.129	Yes	0.037	1.032			
03138	3073	3074	10	29.61	0.006	0.012	0.012	Free Surfac	0.899	0.059	0.007	0.049	0.046	0.869	1.713	Yes	0.061	0.661			
03139	3071	3072	8	245.49	0.035	0.004	0.004	Free Surfac	1.226	0.031	0.002	0.021	0.028	1.836	2.28	Yes	0.023	1.069			
03140	3070	3068	8	106.41	0.022	0.004	0.004	Free Surfac	1.045	0.034	0.002	0.023	0.028	1.484	1.812	Yes	0.026	0.854			
03141	3069	3068	8	190.74	0.015	0.004	0.004	Free Surfac	0.91	0.038	0.003	0.025	0.028	1.232	1.484	Yes	0.027	0.802			
03142	3068	3067	8	86.12	0.067	0.012	0.012	Free Surfac	2.143	0.044	0.004	0.03	0.049	2.675	3.144	Yes	0.032	1.875			
03143	3067	3064	8	158.68	0.057	0.016	0.016	Free Surfac	2.212	0.053	0.005	0.035	0.056	2.53	2.9	Yes	0.06	1.014			
03144	3063	3064	8	128.09	0.01	0.008	0.008	Free Surfac	0.962	0.058	0.007	0.039	0.04	1.05	1.187	Yes	0.061	0.486			

03145	3062	3063	8	178.35	0.009	0.004	0.004	Free Surfac	0.747	0.043	0.004	0.029	0.028	0.947	1.119	Yes	0.034	0.59			
03146	3065	3064	8	150.67	0.025	0.008	0.008	Free Surfac	1.341	0.046	0.004	0.031	0.04	1.638	1.914	Yes	0.058	0.535			
03147	3066	3065	8	148.61	0.008	0.004	0.004	Free Surfac	0.716	0.044	0.004	0.03	0.028	0.895	1.052	Yes	0.03	0.693			
03148	3074	2856	10	315.74	0.002	0.016	0.016	Free Surfac	0.684	0.086	0.015	0.072	0.053	0.545	1.021	Yes	0.085	0.535			
03149	3077	2855	8	108.29	0.048	0.004	0.004	Free Surfac	1.359	0.029	0.001	0.019	0.028	2.108	2.645	Yes	0.03	0.717			
03151	3079	3078	8	131.54	0.027	0.283	0.283	Free Surfac	4.064	0.254	0.141	0.169	0.246	2.066	2.007	Yes	0.193	3.388			
03152	3080	3079	8	259.47	0.022	0.279	0.279	Free Surfac	3.76	0.266	0.154	0.177	0.244	1.865	1.81	No	0.177	3.76			
03153	3081	3080	8	214.24	0.043	0.004	0.004	Free Surfac	1.313	0.03	0.002	0.02	0.028	2.013	2.518	Yes	0.098	0.122			
03154	3064	3080	8	182.97	0.007	0.035	0.035	Free Surfac	1.379	0.126	0.034	0.084	0.085	1.012	1.037	Yes	0.131	0.73			
03155	3082	2814	8	19.7	0.028	0.022	0.022	Free Surfac	1.924	0.073	0.011	0.049	0.067	1.865	2.043	Yes	0.073	1.059			
03156	3085	3082	8	252.4	0.008	0.011	0.011	Free Surfac	0.985	0.072	0.01	0.048	0.047	0.963	1.057	Yes	0.048	0.973			
03157	3083	2814	8	109.94	0.043	0.022	0.022	Free Surfac	2.229	0.066	0.009	0.044	0.067	2.273	2.524	Yes	0.071	1.11			
03158	3084	3083	8	222.06	0.01	0.011	0.011	Free Surfac	1.073	0.068	0.009	0.045	0.047	1.08	1.195	No	0.045	1.073			
03160	3087	1714	6	103.45	0.001	0.056	0.056	Free Surfac	0.658	0.449	0.415	0.224	0.116	0.28	0.135	Yes	0.463	0.296			
03161	3088	2861	8	274.26	0.027	0.005	0.005	Free Surfac	1.181	0.035	0.002	0.024	0.03	1.652	2.009	Yes	0.028	0.91			
03162	3092	3091	8	183.70	0.006	20.956	20.956	Pressurized	60.033	1	22.877	0.667	0.454	12.957	0.916	Yes	0.667	60.033	21.68	24	2
03163	3091	3090	8	155.35	0.005	20.959	20.959	Pressurized	60.044	1	24.106	0.667	0.442	12.959	0.869	Yes	0.667	60.044	22.44	24	2
03164	3090	2806	8	201.20	0.007	20.97	20.97	Pressurized	60.075	1	21.209	0.667	0.472	12.966	0.989	Yes	0.667	60.075	21.07	24	2
03165	3094	3093	8	383.78	0.005	0.004	0.004	Pressurized	0.624	0.047	0.004	0.031	0.027	0.759	0.886	Yes	0.667	0.011			
03166	3093	3090	8	106.11	0.008	0.007	0.007	Pressurized	0.888	0.059	0.007	0.039	0.039	0.961	1.084	Yes	0.667	0.021			
03168	254	253	12	287.03	0.01	0.025	0.025	Free Surfac	1.33	0.059	0.007	0.059	0.064	1.174	3.649	Yes	0.167	0.291			
03169	3096	2940	8	219.46	0.008	0.007	0.007	Free Surfac	0.842	0.056	0.006	0.037	0.036	0.933	1.06	Yes	0.044	0.66			
03171	3095	2938	8	190.73	0.006	0.007	0.007	Free Surfac	0.791	0.059	0.007	0.039	0.036	0.858	0.969	Yes	0.044	0.657			
03173	3097	3025	8	124.28	0.016	0.041	0.041	Free Surfac	1.899	0.112	0.027	0.075	0.091	1.48	1.537	No	0.075	1.899			
03174	3098	3097	8	285.42	0.063	0.008	0.008	Free Surfac	1.875	0.038	0.003	0.025	0.04	2.531	3.044	Yes	0.05	0.685			
03175	3101	3097	8	180.41	0.007	0.008	0.008	Free Surfac	0.87	0.064	0.008	0.043	0.04	0.904	1.009	Yes	0.059	0.542			
03176	3099	3097	8	302.9	0.023	0.016	0.016	Free Surfac	1.635	0.067	0.009	0.044	0.057	1.662	1.844	Yes	0.06	1.06			
03177	3100	3099	8	288.98	0.036	0.008	0.008	Free Surfac	1.536	0.044	0.004	0.029	0.04	1.937	2.284	Yes	0.037	1.083			
03178	3102	1868	8	33.27	0.007	0.004	0.004	Free Surfac	0.7	0.044	0.004	0.03	0.028	0.875	1.029	Yes	0.036	0.528			
08000	2142	9002	8	30	0.049	1.101	1.101	Free Surfac	7.286	0.447	0.412	0.298	0.498	2.689	2.673	No	0.298	7.286			
A00153	399	171	8	180.59	0.007	0.036	0.036	Free Surfac	1.346	0.131	0.037	0.087	0.086	0.968	0.988	No	0.087	1.346			
A00188	433	320	8	82.97	0.069	0.087	0.087	Free Surfac	3.962	0.114	0.027	0.076	0.134	3.064	3.176	Yes	0.186	1.095			
A00234	477	252	12	150.67	0.004	0.113	0.113	Free Surfac	1.546	0.148	0.048	0.148	0.137	0.852	2.364	Yes	0.226	0.845			
A02052	2079	9006	8	10.00	0.006	4.077	4.077	Pressurized	11.679	1	4.308	0.667	0.461	2.521	0.946	No	0.667	11.679	11.74	12	2
A09999	9999	1747	18	672.74	0.002	7.721	7.721	Pressurized	4.369	1	1.579	1.5	0.85	0.629	4.89	Yes	1.5	4.369	18.32	21	2
FUP10	FUMH9	FUMH7	8	648.07	0.024	0.084	0.084	Free Surfac	2.702	0.145	0.045	0.097	0.132	1.846	1.864	Yes	0.116	2.072			
FUP100	FUMH97	FUMH99	8	103.19	0.008	0.025	0.025	Free Surfac	1.288	0.104	0.023	0.069	0.071	1.044	1.093	Yes	0.083	0.99			
FUP102	FUMH99	FUMH101	8	1,000.00	0.008	0.05	0.05	Free Surfac	1.585	0.145	0.045	0.097	0.101	1.082	1.093	Yes	0.107	1.367			
FUP104	FUMH101	FUMH103	8	1,000.00	0.008	0.074	0.074	Free Surfac	1.794	0.176	0.068	0.117	0.124	1.107	1.098	Yes	0.127	1.609			
FUP106	FUMH103	FUMH105	8	1,000.00	0.008	0.099	0.099	Free Surfac	1.94	0.204	0.091	0.136	0.143	1.109	1.088	Yes	0.144	1.792			
FUP108	FUMH105	FUMH107	8	1,000.00	0.008	0.124	0.124	Free Surfac	2.078	0.227	0.113	0.152	0.161	1.121	1.094	Yes	0.159	1.944			
FUP110	FUMH107	FUMH109	8	1,000.00	0.008	0.149	0.149	Free Surfac	2.19	0.249	0.136	0.166	0.176	1.125	1.093	Yes	0.173	2.071			
FUP112	FUMH109	FUMH111	8	1,000.00	0.008	0.174	0.174	Free Surfac	2.29	0.269	0.159	0.18	0.191	1.128	1.094	Yes	0.186	2.181			
FUP114	FUMH111	FUMH113	8	1,000.00	0.008	0.198	0.198	Free Surfac	2.378	0.288	0.181	0.192	0.205	1.128	1.093	Yes	0.198	2.279			
FUP116	FUMH113	311	8	1,000.00	0.008	0.223	0.223	Free Surfac	2.46	0.306	0.204	0.204	0.217	1.129	1.094	Yes	0.629	0.654			
FUP12	FUMH11	2964	8	1,000.00	0.023	0.852	0.852	Free Surfac	5.128	0.481	0.468	0.321	0.437	1.809	1.82	No	0.321	5.128			
FUP120	FUMH119	FUMH117	8	81.69	0.006	0.161	0.161	Free Surfac	2.067	0.275	0.165	0.183	0.184	1.007	0.976	Yes	0.465	0.619			
FUP122	FUMH121	FUMH119	8	1,000.00	0.007	0.141	0.141	Free Surfac	2.023	0.254	0.141	0.169	0.172	1.029	1	Yes	0.188	1.742			
FUP124	FUMH123	FUMH121	8	1,000.00	0.007	0.121	0.121	Free Surfac	1.934	0.235	0.121	0.157	0.159	1.025	0.999	Yes	0.163	1.829			
FUP126	FUMH125	FUMH123	8	1,000.00	0.007	0.101	0.101	Free Surfac	1.835	0.214	0.101	0.143	0.144	1.021	1	Yes	0.15	1.717			
FUP128	FUMH127	FUMH125	8	1,000.00	0.007	0.081	0.081	Free Surfac	1.719	0.192	0.081	0.128	0.129	1.014	1	Yes	0.135	1.585			
FUP130	FUMH129	FUMH127	8	1,000.00	0.007	0.06	0.06	Free Surfac	1.578	0.167	0.06	0.111	0.111	1.002	0.999	Yes	0.12	1.421			
FUP132	FUMH131	FUMH129	8	1,000.00	0.007	0.04	0.04	Free Surfac	1.399	0.137	0.04	0.091	0.091	0.984	1	Yes	0.101	1.204			
FUP134	FUMH133	FUMH131	8	1,000.00	0.007	0.02	0.02	Free Surfac	1.136	0.098	0.02	0.066	0.064	0.947	0.999	Yes	0.078	0.873			
FUP138	FUMH117	F9008	8	81.69	0.007	0.181	0.181	Free Surfac	2.166	0.289	0.182	0.193	0.195	1.026	0.994	No	0.193	2.166			
FUP14	FUMH13	FUMH11	8	1,000.00	0.023	0.746	0.746	Free Surfac	4.954	0.446	0.41	0.297	0.408	1.832	1.82	Yes	0.309	4.71			
FUP142	FUMH139	FUMH141	8	189.62	0.034	0.144	0.144	Free Surfac	3.592	0.173	0.065	0.115	0.174	2.241	2.228	Yes	0.139	2.749			
FUP144	FUMH141	FUMH143	8	1,000.00	0.034	0.289	0.289	Free Surfac	4.4	0.243	0.13	0.162	0.249	2.289	2.227	Yes	0.181	3.777			
FUP146	FUMH143	1370	8	1,000.00	0.034	0.433	0.433	Free Surfac	4.942	0.299	0.194	0.199	0.307	2.299	2.227	Yes	0.2	4.918			
FUP148	FUMH145	FUMH147	8	840.74	0.006	0.273	0.273	Free Surfac	2.325	0.37	0.291	0.246	0.241	0.96	0.936	Yes	0.306	1.745			
FUP150	FUMH147	1946	8	1,000.00	0.006	0.545	0.545	Free Surfac	2.785	0.548	0.582	0.365	0.346	0.904	0.937	No	0.365	2.785			
FUP152	FUMH149	FUMH151	8	1,000.00	0.006	0.273	0.273	Free Surfac	2.294	0.373	0.297	0.249	0.241	0.942	0.919	Yes	0.298	1.809			
FUP154	FUMH151	FUMH153	8	1,000.00	0.007	0.545	0.545	Free Surfac	2.977	0.519	0.533	0.346	0.346	1.001	1.023	Yes	0.399	2.503			
FUP156	FUMH153	2000	8	1,000.00	0.007	0.818	0.818	Free Surfac	3.254	0.677	0.8	0.451	0.428	0.903	1.022	Yes	0.667	2.343	6.24	8	2
FUP158	FUMH155	FUMH157	8	619.16	0.009	0.273	0.273	Pressurized	2.726	0.329	0.234	0.219	0.241	1.202	1.167	Yes	0.667	0.781			
FUP16	FUMH15	FUMH13	8	1,000.00	0.023	0.639	0.639	Free Surfac	4.757	0.409	0.351	0.273	0.377	1.851	1.82	Yes	0.285	4.488			
FUP160	FUMH157	1945	8	1,000.00	0.009	0.545	0.545	Pressurized	3.284	0.481	0.468	0.321	0.346	1.159	1.166	Yes	0.667	1.562			
FUP162	FUMH159	FUMH161	8	1,000.00	0.021	0.058	0.058	Free Surfac	2.318	0.125	0.033	0.083	0.109	1.711	1.756	Yes	0.099	1.789			
FUP164	FUMH161	FUMH163	8	1,000.00	0.022	0.116	0.116	Free Surfac	2.877	0.173	0.065	0.115	0.155	1.792	1.781	Yes	0.128	2.475			
FUP166	FUMH163	FUMH165	8	1,000.00	0.022	0.174	0.174	Free Surfac	3.242	0.211	0.098	0.141	0.191	1.818	1.781	Yes	0.152	2.916			
FUP168	FUMH165	FUMH167	8	1,000.00	0.022	0.233	0.233	Free Surfac	3.525	0.244	0.131	0.163	0.222	1.83	1.781	Yes	0.172	3.248			
FUP170	FUMH167	FUMH169	8	1,000.00	0.022	0.291	0.291	Free Surfac	3.759	0.273	0.163	0.182	0.249	1.836	1.781	Yes	0.191	3.516			
FUP172	FUMH169	FUMH171	8	1,000.00	0.022	0.349	0.349	Free Surfac	3.959	0.3	0.196	0.2	0.274	1.838	1.781	Yes	0.208	3.742			
FUP174	FUMH171	FUMH173	8	1,000.00	0.022	0.407	0.407	Free Surfac	4.135	0.325	0.229	0.217	0.297	1.836	1.781	Yes	0.225	3.937			
FUP176	FUMH173	FUMH175	8	1,000.00	0.022	0.465	0.465	Free Surfac	4.292	0.349	0.261	0.232	0.319	1.832	1.781	Yes	0.24	4.11			
FUP178	FUMH175	FUMH177	8	1,000.00	0.022	0.523	0.523	Free Surfac	4.434	0.371	0.294	0.248	0.339	1.826	1.781	Yes	0.255	4.264			
FUP18	FUMH17	FUMH15	8	1,000.00	0.023	0.533	0.533	Free Surfac	4.527	0.371	0.293	0.247	0.342	1.866	1.82	Yes	0.26	4.228			
FUP180	FUMH177	FUMH179	8	1,000.00	0.022	0.581	0.581	Free Surfac	4.563	0.393	0.326	0.262	0.358	1.818	1.781	Yes	0.269	4.404			
FUP182	FUMH179	2935	8	1,000.00	0.022	0.639	0.639	Free Surfac	4.681	0.414	0.359	0.276	0.377	1.809	1.781	Yes	0.667	1.832			
FUP184	FUMH183	FUMH185	8	1,000.00	0.012	0.009	0.009	Free Surfac	1.084	0.057	0.006	0.038	0.042	1.192	1.351	Yes	0.043	0.918			
FUP186	FUMH185	FUMH187	8	1,000.00	0.02	0.017	0.017	Free Surfac	1.581	0.071	0.01	0.047	0.059	1.56	1.717	Yes	0.052	1.364			
FUP188	FUMH187	FUMH189	8	1,000.00	0.02	0.026	0.026	Free Surfac	1.788	0.086	0.015	0.057	0.072	1.601	1.717	Yes	0.061	1.612			
FUP190	FUMH189	FUMH191	8	1,000.00	0.02	0.034	0.034	Free Surfac	1.951	0.098	0.02	0.065	0.084	1.629	1.718	Yes	0.069	1.8			
FUP192	FUMH191	FUMH193	8	1,000.00	0.02	0.043	0.043	Free Surfac	2.086	0.109	0.025	0.073	0.094	1.649	1.717	Yes	0.076	1.954			
FUP194	FUMH193	FUMH195	8	1,000.00	0.02	0.052	0.052	Free Surfac	2.204	0.119	0.03	0.079	0.103	1.666	1.718	Yes	0.127	1.122			
FUP196	FUMH195	2932	8	1,000.00	0.02	0.255	0.255	Free Surfac	3.529	0.26	0.149	0.174	0.233	1.769	1.717	Yes	0.667	0.731			
FUP198	FUMH197	FUMH199	8	1,000.00	0.002	0.179	0.179	Free Surfac	1.469	0.38	0.306	0.253	0.194	0.597	0.584	No	0.253	1.469			
FUP2	FUMH1	3080	8	1,000.00	0.011	0.236	0.236	Free Surfac	2.81	0.29	0.184	0.194	0.224	1.328	1.287	No	0.194	2.81			
FUP20	FUMH19	FUMH17	8	1,000.00	0.023	0.426	0.426	Free Surfac	4.255	0.329	0.234	0.22	0.305	1.876	1.82	Yes	0.233	3.915			
FUP200	FUMH199	FUMH201	8	1,000.00	0.011	0.357	0.357	Free Surfac	3.16	0.36	0.277	0.24	0.278	1.325	1.29	Yes	0.27	2.699			
FUP202	FUMH201	2762	8	1,000.00	0.011	0.536	0.536	Free Surfac	3.525	0.449	0.415	0.299	0.343	1.298	1.29	Yes	0.339	3.007			
FUP204	FUMH203	FUMH205	8	674.5	0.009	15.029	15.029	Pressurized	43.054	1	13.086	0.667	0.508	9.292	1.148	Yes	0.667	43.054	17.74	18	2
FUP206	FUMH205	FUMH207	8	1,000.00	0.009	15.034	15.034	Pressurized	43.07	1	13.08	0.667	0.508	9.296	1.149	Yes	0.667	43.07	17.74	18	2
FUP208	FUMH207	FUMH209	8	1,000.00	0.009	15.04	15.04	Pressurized	43.086	1	13.092	0.667	0.508	9.299	1.149	Yes	0.667	43.086	17.74	18	2
FUP210	FUMH209	FUMH211	8	1,000.00	0.009	15.046	15.046	Pressurized	43.102	1	13.097	0.667	0.508	9.303	1.149	Yes	0.667	43.102	17.75	18	2
FUP212	FUMH211	FUMH213	8	1,000.00	0.009	15.051	15.051	Pressurized	43.119	1	13.102	0.667	0.508	9.306	1.149	Yes	0.667	43.119	17.75	18	2
FUP214	FUMH213	FUMH215	8	1,000.00	0.009	20.18	20.18	Pressurized	57.812	1	17.567	0.667	0.508	12.478	1.149	Yes	0.667	57.812	19.81	21	2
FUP216	FUMH215	FUMH217	8	1,000.00	0.009	20.545	20.545	Pressurized	58.857	1	17.874	0.667	0.508	12.703	1.149	Yes	0.667	58.857	19.95	21	2
FUP218	FUMH217	FUMH219	8	1,000.00	0.009	20.748	20.748	Pressurized	59.44	1	18.061	0.667	0.508	12.829	1.149	Yes	0.667	59.44	20.02	21	2
FUP22	FUMH21	FUMH19	8	1,000.00	0.023	0.32	0.32	Free Surfac	3.923	0.284	0.176	0.189	0.262	1.878	1.82	Yes	0.204	3.523			
FUP220	FUMH219	3092	8	1,000.00	0.009	20.952	20.952	Pressurized	60.023	1	18.238	0.667	0.508	12.955	1.149	Yes	0.667	60.023	20.09	21	2
FUP222	FUMH223	FUMH225	8	975.35	0.014	0.588	0.588	Free Surfac	3.887	0.448	0.413	0.299	0.36	1.434	1.425	Yes	0.38	2.861			
FUP224	FUMH225	FUMH227	8	1,000.00	0.014	1.177	1.177	Free Surfac	4.562	0.693	0.825	0.462	0.514	1.242	1.425	Yes	0.667	3.371	6.28	8	2
FUP226	FUMH227	FUMH229	8	1,000.00	0.014	1.765	1.765	Pressurized	5.056	1	1.239	0.667	0.561	1.091	1.425	Yes	0.667	5.056	7.31	8	2
FUP228	FUMH229	FUMH231	8	1,000.00	0.014	2.353	2.353	Pressurized	6.741	1	1.651	0.667	0.561	1.455	1.425	Yes	0.667	6.741	8.15	10	2
FUP230	FUMH231	FUMH233	8	1,000.00	0.014	2.941	2.941	Pressurized	8.427	1	2.064	0.667	0.561	1.819	1.425	Yes	0.667	8.427	8.86	10	2
FUP232	FUMH233	FUMH235	8	1,000.00	0.014	3.306	3.306	Pressurized	9.471	1	2.32	0.667	0.561	2.044	1.425	Yes	0.667	9.471	9.25	10	2
FUP234	FUMH235	FUMH237	8	1,000.00	0.014	3.671	3.671	Pressurized	10.516	1	2.575	0.667	0.561	2.27	1.425	Yes	0.667	10.516	9.63	10	2
FUP236	FUMH237	FUMH239	8	1,000.00	0.014	4.035	4.035	Pressurized	11.56	1	2.832	0.667	0.561	2.495	1.425	Yes	0.667	11.56	9.97	10	2
FUP238	FUMH239	FUMH241	8	1,000.00	0.014	4.4	4.4	Pressurized	12.605	1	3.087	0.667	0.561	2.721	1.425	Yes	0.667	12.605	10.30	12	2
FUP24	FUMH23	FUMH21	8	1,000.00	0.023	0.213	0.213	Free Surfac	3.49	0.231	0.117	0.154	0.212	1.866	1.82	Yes	0.172	2.997			
FUP240	FUMH241	FUMH213	8	1,000.00	0.014	4.765	4.765	Pressurized	13.649	1	3.344	0.667	0.561	2.946	1.425	Yes	0.667	13.649	10.61	12	2
FUP242	FUMH243	FUMH245	8	145.38	0.011	0.365	0.365	Free Surfac	3.186	0.363	0.282	0.242	0.281	1.329	1.295	Yes	0.3	2.396			
FUP244	FUMH245	FUMH247	8	1,000.00	0.011	0.729	0.729	Free Surfac	3.825	0.536	0.562	0.358	0.403	1.259	1.298	Yes	0.413	3.208			
FUP246	FUMH247	FUMH249	8	1,000.00	0.011	1.094	1.094	Free Surfac	4.167	0.704	0.843	0.469	0.496	1.118	1.298	Yes	0.667	3.134	6.40	8	2
FUP248	FUMH249	FUMH251	8	1,000.00	0.011	1.458	1.458	Pressurized	4.178	1	1.124	0.667	0.538	0.902	1.298	Yes	0.667	4.178	7.12	8	2
FUP250	FUMH251	FUMH253	8	1,000.00	0.011	1.823	1.823	Pressurized	5.223	1	1.406	0.667	0.538	1.127	1.297	Yes	0.667	5.223	7.75	8	2
FUP252	FUMH253	2797	8	1,000.00	0.011	2.188	2.188	Pressurized	6.267	1	1.686	0.667	0.538	1.353	1.298	Yes	0.667	6.267	8.29	10	2
FUP254	FUMH255	FUMH257	8	290.6	0.005	0.142	0.142	Free Surfac	1.817	0.276	0.166	0.184	0.173	0.883	0.856	Yes	0.224	1.38			
FUP256	FUMH257	FUMH259	8	1,000.00	0.005	0.285	0.285	Free Surfac	2.206	0.397	0.332	0.265	0.247	0.874	0.857	Yes	0.667	0.816			
FUP258	FUMH259	1595	8	1,000.00	0.005	0.427	0.427	Pressurized	2.453	0.499	0.499	0.333	0.305	0.846	0.857	Yes	0.667	1.224			
FUP26	FUMH25	FUMH23	8	490.38	0.023	0.107	0.107	Free Surfac	2.848	0.164	0.059	0.109	0.149	1.824	1.82	Yes	0.132	2.181			
FUP260	FUMH261	FUMH263	8	254.87	0.005	0.352	0.352	Pressurized	2.332	0.447	0.412	0.298	0.276	0.861	0.855	Yes	0.667	1.01			
FUP262	FUMH263	FUMH265	8	1,000.00	0.005	0.705	0.705	Pressurized	2.74	0.691	0.823	0.461	0.396	0.747	0.857	Yes	0.667	2.02	6.29	8	2
FUP264	FUMH265	1222	8	1,000.00	0.001	1.057	1.057	Pressurized	3.029	1	27.6	0.667	0.088	0.654	0.038	Yes	0.667	3.029	9.90	10	2
FUP266	FUMH267	FUMH269	8	779.35	0.005	0.179	0.179	Free Surfac	1.939	0.31	0.208	0.207	0.194	0.884	0.857	Yes	0.253	1.467			
FUP268	FUMH269	2950	8	1,000.00	0.005	0.357	0.357	Free Surfac	2.343	0.45	0.417	0.3	0.278	0.861	0.857	Yes	0.667	1.023			

FUP270	FUMH271	FUMH273	8	263.15	0.005	0.179	0.179	Free Surfac	1.941	0.31	0.208	0.206	0.194	0.885	0.858	Yes	0.253	1.468			
FUP272	FUMH273	FUMH275	8	1,000.00	0.005	0.357	0.357	Free Surfac	2.343	0.45	0.417	0.3	0.278	0.861	0.857	Yes	0.341	1.988			
FUP274	FUMH275	FUMH277	8	1,000.00	0.005	0.536	0.536	Free Surfac	2.59	0.573	0.625	0.382	0.343	0.815	0.857	Yes	0.424	2.29			
FUP276	FUMH277	FUMH279	8	1,000.00	0.005	0.714	0.714	Free Surfac	2.746	0.698	0.834	0.465	0.399	0.743	0.857	Yes	0.667	2.046	6.32	8	2
FUP278	FUMH279	2953	8	1,000.00	0.005	0.893	0.893	Pressurized	2.558	1	1.042	0.667	0.438	0.552	0.857	Yes	0.667	2.558	6.87	8	2
FUP28	FUMH27	FUMH29	8	456.23	0.048	0.119	0.119	Free Surfac	3.827	0.144	0.045	0.096	0.157	2.619	2.646	Yes	0.116	2.935			
FUP280	FUMH281	FUMH283	8	5.79	0.005	1.079	1.079	Pressurized	3.093	1	1.238	0.667	0.443	0.667	0.872	Yes	0.667	3.093	7.38	8	2
FUP282	FUMH283	FUMH285	8	2,000.00	0.005	2.159	2.159	Pressurized	6.185	1	2.64	0.667	0.428	1.335	0.818	Yes	0.667	6.185	9.57	10	2
FUP284	FUMH285	FUMH287	8	2,000.00	0.005	3.238	3.238	Pressurized	9.278	1	3.963	0.667	0.428	2.002	0.817	Yes	0.667	9.278	11.14	12	2
FUP286	FUMH287	FUMH289	8	2,000.00	0.005	4.318	4.318	Pressurized	12.37	1	5.281	0.667	0.428	2.67	0.818	Yes	0.667	12.37	12.41	15	2
FUP288	FUMH289	FUMH291	8	2,000.00	0.005	5.397	5.397	Pressurized	15.463	1	6.601	0.667	0.428	3.337	0.818	Yes	0.667	15.463	13.49	15	2
FUP290	FUMH291	FUMH293	8	2,000.00	0.005	6.477	6.477	Pressurized	18.555	1	7.921	0.667	0.428	4.005	0.818	Yes	0.667	18.555	14.45	15	2
FUP292	FUMH293	FUMH295	8	2,000.00	0.005	7.556	7.556	Pressurized	21.648	1	9.241	0.667	0.428	4.672	0.818	Yes	0.667	21.648	15.30	18	2
FUP294	FUMH295	FUMH297	8	2,000.00	0.005	9.527	9.527	Pressurized	27.292	1	11.657	0.667	0.428	5.891	0.817	Yes	0.667	27.292	16.69	18	2
FUP296	FUMH297	FUMH299	8	2,000.00	0.005	11.497	11.497	Pressurized	32.937	1	14.06	0.667	0.428	7.109	0.818	Yes	0.667	32.937	17.91	18	2
FUP30	FUMH29	FUMH31	8	1,000.00	0.048	0.238	0.238	Free Surfac	4.699	0.203	0.09	0.135	0.225	2.694	2.646	Yes	0.15	4.039			
FUP302	FUMH305	FUMH307	8	803.67	0.01	0.32	0.32	Free Surfac	2.917	0.352	0.266	0.235	0.262	1.237	1.204	Yes	0.29	2.195			
FUP304	FUMH307	FUMH309	8	2,000.00	0.01	0.641	0.641	Free Surfac	3.503	0.519	0.532	0.346	0.377	1.178	1.204	Yes	0.398	2.946			
FUP306	FUMH309	FUMH311	8	2,000.00	0.01	0.961	0.961	Free Surfac	3.83	0.676	0.799	0.451	0.465	1.064	1.204	Yes	0.667	2.754	6.20	8	2
FUP308	FUMH311	FUMH313	8	2,000.00	0.01	1.282	1.282	Pressurized	3.672	1	1.065	0.667	0.52	0.793	1.204	Yes	0.667	3.672	6.91	8	2
FUP310	FUMH313	FUMH315	8	2,000.00	0.01	1.602	1.602	Pressurized	4.591	1	1.331	0.667	0.52	0.991	1.204	Yes	0.667	4.591	7.51	8	2
FUP312	FUMH315	FUMH317	8	2,000.00	0.01	1.923	1.923	Pressurized	5.509	1	1.597	0.667	0.52	1.189	1.204	Yes	0.667	5.509	8.04	10	2
FUP314	FUMH317	FUMH319	8	2,000.00	0.01	2.243	2.243	Pressurized	6.427	1	1.863	0.667	0.52	1.387	1.204	Yes	0.667	6.427	8.52	10	2
FUP316	FUMH319	FUMH321	8	2,000.00	0.01	6.509	6.509	Pressurized	18.647	1	5.408	0.667	0.52	4.025	1.204	Yes	0.667	18.647	12.71	15	2
FUP318	FUMH321	FUMH323	8	2,000.00	0.01	6.829	6.829	Pressurized	19.565	1	5.674	0.667	0.52	4.223	1.204	Yes	0.667	19.565	12.94	15	2
FUP32	FUMH31	FUMH33	8	1,000.00	0.048	0.357	0.357	Free Surfac	5.289	0.248	0.135	0.165	0.278	2.722	2.646	Yes	0.178	4.753			
FUP320	FUMH323	FUMH325	8	2,000.00	0.01	7.15	7.15	Pressurized	20.483	1	5.94	0.667	0.52	4.421	1.204	Yes	0.667	20.483	13.16	15	2
FUP322	FUMH325	FUMH327	8	2,000.00	0.01	7.507	7.507	Pressurized	21.505	1	6.236	0.667	0.52	4.641	1.204	Yes	0.667	21.505	13.41	15	2
FUP324	FUMH327	FUMH329	8	2,000.00	0.01	7.863	7.863	Pressurized	22.526	1	6.531	0.667	0.52	4.862	1.204	Yes	0.667	22.526	13.64	15	2
FUP326	FUMH329	FUMH331	8	2,000.00	0.01	10.843	8.22	Pressurized	31.063	1	9.008	0.667	0.52	6.705	1.204	Yes	0.667	31.063	15.39	18	2
FUP328	FUMH331	FUMH333	8	2,000.00	0.01	10.847	8.223	Pressurized	31.073	1	9.011	0.667	0.52	6.707	1.204	Yes	0.667	31.073	15.39	18	2
FUP330	FUMH333	FUMH335	8	2,000.00	0.01	10.85	8.227	Pressurized	31.083	1	9.014	0.667	0.52	6.709	1.204	Yes	0.667	31.083	15.39	18	2
FUP332	FUMH335	FUMH337	8	2,000.00	0.01	10.854	8.23	Pressurized	31.093	1	9.017	0.667	0.52	6.711	1.204	Yes	0.667	31.093	15.39	18	2
FUP334	FUMH337	FUMH339	8	2,000.00	0.01	10.857	8.234	Pressurized	31.103	1	9.018	0.667	0.52	6.713	1.204	Yes	0.667	31.103	15.40	18	2
FUP336	FUMH339	FUMH341	8	2,000.00	0.01	10.86	8.237	Pressurized	31.113	1	9.023	0.667	0.52	6.715	1.204	Yes	0.667	31.113	15.40	18	2
FUP338	FUMH341	FUMH343	8	2,000.00	0.01	10.864	8.241	Pressurized	31.123	1	9.026	0.667	0.52	6.717	1.204	Yes	0.667	31.123	15.40	18	2
FUP34	FUMH33	FUMH35	8	1,000.00	0.048	0.476	0.476	Free Surfac	5.743	0.287	0.18	0.191	0.323	2.731	2.646	Yes	0.203	5.288			
FUP340	FUMH343	FUMH345	8	2,000.00	0.01	10.867	8.244	Pressurized	31.133	1	9.028	0.667	0.52	6.719	1.204	Yes	0.667	31.133	15.40	18	2
FUP342	FUMH345	FUMH347	8	2,000.00	0.01	10.871	8.247	Pressurized	31.143	1	9.031	0.667	0.52	6.722	1.204	Yes	0.667	31.143	15.40	18	2
FUP344	FUMH347	FUMH349	8	2,000.00	0.01	10.874	8.251	Pressurized	31.153	1	9.032	0.667	0.52	6.724	1.204	Yes	0.667	31.153	15.41	18	2
FUP346	FUMH349	FUMH351	8	2,000.00	0.01	11.857	9.233	Pressurized	33.967	1	9.85	0.667	0.52	7.331	1.204	Yes	0.667	33.967	15.91	18	2
FUP348	FUMH351	FUMH353	8	2,000.00	0.01	12.839	10.216	Pressurized	36.782	1	10.667	0.667	0.52	7.939	1.204	No	0.667	36.782	16.40	18	2
FUP350	FUMH357	FUMH359	8	1,822.11	0.015	0.493	0.493	Free Surfac	3.83	0.396	0.331	0.264	0.329	1.519	1.489	Yes	0.33	2.859			
FUP352	FUMH359	FUMH361	8	2,000.00	0.015	0.986	0.986	Free Surfac	4.56	0.594	0.662	0.396	0.471	1.398	1.489	Yes	0.469	3.755			
FUP354	FUMH361	FUMH363	8	2,000.00	0.015	1.479	1.479	Free Surfac	4.864	0.814	0.994	0.542	0.569	1.12	1.489	Yes	0.667	4.238	6.76	8	2
FUP356	FUMH363	FUMH365	8	2,000.00	0.015	1.973	1.973	Pressurized	5.651	1	1.325	0.667	0.571	1.22	1.489	Yes	0.667	5.651	7.53	8	2
FUP358	FUMH365	FUMH367	8	2,000.00	0.015	2.466	2.466	Pressurized	7.064	1	1.656	0.667	0.571	1.525	1.489	Yes	0.667	7.064	8.18	10	2
FUP36	FUMH35	FUMH37	8	1,000.00	0.048	0.595	0.595	Free Surfac	6.118	0.322	0.225	0.215	0.363	2.729	2.646	Yes	0.226	5.718			
FUP360	FUMH367	FUMH369	8	2,000.00	0.015	2.959	2.959	Pressurized	8.477	1	1.987	0.667	0.571	1.83	1.489	Yes	0.667	8.477	8.76	10	2
FUP362	FUMH369	FUMH371	8	2,000.00	0.015	3.452	3.452	Pressurized	9.889	1	2.318	0.667	0.571	2.134	1.489	Yes	0.667	9.889	9.28	10	2
FUP364	FUMH371	FUMH319	8	2,000.00	0.015	3.945	3.945	Pressurized	11.302	1	2.649	0.667	0.571	2.439	1.489	Yes	0.667	11.302	9.76	10	2
FUP366	FUMH373	FUMH375	8	750.93	0.02	0.202	0	Free Surfac	3.292	0.232	0.118	0.154	0.206	1.758	1.714	Yes	0.187	2.51			
FUP368	FUMH375	FUMH377	8	1,000.00	0.02	0.404	0	Free Surfac	4.013	0.33	0.236	0.22	0.296	1.766	1.713	Yes	0.247	3.432			
FUP370	FUMH377	FUMH379	8	1,000.00	0.02	0.605	0	Free Surfac	4.485	0.411	0.353	0.274	0.366	1.742	1.713	Yes	0.298	4.012			
FUP372	FUMH379	FUMH381	8	1,000.00	0.02	0.807	0	Free Surfac	4.835	0.483	0.471	0.322	0.425	1.702	1.713	Yes	0.345	4.429			
FUP374	FUMH381	FUMH383	8	1,000.00	0.02	1.009	0	Free Surfac	5.108	0.552	0.589	0.368	0.477	1.649	1.713	Yes	0.391	4.746			
FUP376	FUMH383	FUMH385	8	1,000.00	0.02	1.211	0	Free Surfac	5.322	0.62	0.707	0.414	0.521	1.582	1.713	Yes	0.437	4.987			
FUP378	FUMH385	FUMH387	8	1,000.00	0.02	1.413	0	Free Surfac	5.482	0.692	0.824	0.461	0.559	1.493	1.713	Yes	0.488	5.159	6.29	8	2
FUP38	FUMH37	FUMH39	8	1,000.00	0.048	0.714	0.714	Free Surfac	6.436	0.355	0.27	0.237	0.399	2.72	2.646	Yes	0.247	6.078			
FUP380	FUMH387	FUMH389	8	1,000.00	0.02	1.614	0	Free Surfac	5.582	0.772	0.942	0.515	0.589	1.368	1.713	Yes	0.667	4.625	6.62	8	2
FUP382	FUMH389	FUMH391	8	1,000.00	0.02	1.816	0	Pressurized	5.203	1	1.06	0.667	0.601	1.123	1.713	Yes	0.667	5.203	6.91	8	2
FUP384	FUMH391	FUMH393	8	1,000.00	0.02	2.018	0	Pressurized	5.781	1	1.178	0.667	0.601	1.248	1.713	Yes	0.667	5.781	7.19	8	2
FUP386	FUMH393	FUMH395	8	1,000.00	0.02	2.22	0	Pressurized	6.359	1	1.296	0.667	0.601	1.373	1.713	Yes	0.667	6.359	7.46	8	2
FUP388	FUMH395	FUMH397	8	1,000.00	0.02	2.422	0	Pressurized	6.937	1	1.413	0.667	0.601	1.497	1.713	Yes	0.667	6.937	7.70	8	2
FUP390	FUMH397	FUMH329	8	1,000.00	0.02	2.623	0	Pressurized	7.515	1	1.531	0.667	0.601	1.622	1.713	Yes	0.667	7.515	7.94	8	2
FUP392	FUMH399	FUMH401	8	580.17	0.027	0.178	0.178	Free Surfac	3.543	0.202	0.089	0.134	0.194	2.036	2.001	Yes	0.162	2.707			
FUP394	FUMH401	FUMH403	8	1,000.00	0.027	0.356	0.356	Free Surfac	4.331	0.286	0.178	0.19	0.277	2.065	2.001	Yes	0.215	3.654			
FUP396	FUMH403	FUMH405	8	1,000.00	0.025	0.535	0.535	Free Surfac	4.721	0.36	0.278	0.24	0.343	1.978	1.926	Yes	0.255	4.356			
FUP398	FUMH405	FUMH407	8	1,000.00	0.029	0.713	0.713	Free Surfac	5.387	0.404	0.344	0.27	0.399	2.111	2.073	Yes	0.291	4.877			
FUP4	FUMH3	FUMH1	8	1,000.00	0.011	0.158	0.158	Free Surfac	2.5	0.236	0.122	0.158	0.182	1.321	1.287	Yes	0.176	2.147			
FUP40	FUMH39	340	8	1,000.00	0.048	0.833	0.833	Free Surfac	6.714	0.385	0.315	0.257	0.432	2.706	2.646	Yes	0.667	2.386			
FUP400	FUMH407	FUMH409	8	1,000.00	0.027	0.891	0.891	Free Surfac	5.566	0.467	0.445	0.312	0.447	1.999	2.001	Yes	0.329	5.186			
FUP402	FUMH409	FUMH411	8	1,000.00	0.027	1.069	1.069	Free Surfac	5.827	0.52	0.534	0.347	0.491	1.956	2.001	Yes	0.364	5.484			
FUP404	FUMH411	FUMH413	8	1,000.00	0.027	1.247	1.247	Free Surfac	6.045	0.572	0.623	0.381	0.528	1.905	2.001	Yes	0.399	5.729			
FUP406	FUMH413	FUMH415	8	1,000.00	0.027	1.425	1.425	Free Surfac	6.225	0.624	0.712	0.416	0.561	1.843	2.001	Yes	0.434	5.928			
FUP410	FUMH419	FUMH421	8	384.69	0.016	0.222	0.222	Free Surfac	3.124	0.257	0.145	0.172	0.217	1.576	1.531	Yes	0.209	2.377			
FUP412	FUMH421	FUMH423	8	1,000.00	0.016	0.444	0.444	Free Surfac	3.801	0.369	0.29	0.246	0.311	1.571	1.532	Yes	0.277	3.244			
FUP414	FUMH423	FUMH425	8	1,000.00	0.016	0.667	0.667	Free Surfac	4.236	0.461	0.435	0.308	0.385	1.534	1.532	Yes	0.336	3.779			
FUP416	FUMH425	FUMH427	8	1,000.00	0.016	0.889	0.889	Free Surfac	4.549	0.547	0.58	0.365	0.447	1.477	1.531	Yes	0.393	4.154			
FUP418	FUMH427	FUMH429	8	1,000.00	0.016	1.111	1.111	Free Surfac	4.783	0.631	0.725	0.421	0.5	1.403	1.532	Yes	0.451	4.42			
FUP42	FUMH41	FUMH43	8	518.56	0.026	0.109	0.109	Free Surfac	3.033	0.16	0.055	0.107	0.151	1.969	1.971	Yes	0.128	2.324			
FUP420	FUMH429	FUMH431	8	1,000.00	0.016	1.333	1.333	Free Surfac	4.942	0.722	0.871	0.481	0.545	1.296	1.531	Yes	0.667	3.819	6.42	8	2
FUP424	FUMH435	FUMH437	8	1,038.67	0.015	0.23	0.23	Free Surfac	3.064	0.267	0.156	0.178	0.221	1.515	1.47	Yes	0.217	2.329			
FUP426	FUMH437	FUMH439	8	2,000.00	0.015	0.459	0.459	Free Surfac	3.722	0.384	0.312	0.256	0.317	1.504	1.47	Yes	0.288	3.174			
FUP428	FUMH439	FUMH441	8	2,000.00	0.015	0.689	0.689	Free Surfac	4.143	0.481	0.468	0.321	0.391	1.462	1.47	Yes	0.351	3.693			
FUP430	FUMH441	FUMH443	8	2,000.00	0.015	0.918	0.918	Free Surfac	4.443	0.572	0.624	0.382	0.454	1.399	1.47	Yes	0.412	4.049			
FUP432	FUMH443	FUMH445	8	2,000.00	0.015	1.148	1.148	Free Surfac	4.658	0.665	0.781	0.443	0.508	1.312	1.47	Yes	0.478	4.289			
FUP434	FUMH445	FUMH447	8	2,000.00	0.015	1.377	1.377	Free Surfac	4.787	0.768	0.937	0.512	0.553	1.18	1.47	Yes	0.667	3.945	6.58	8	2
FUP438	FUMH451	FUMH453	8	154.32	0.011	0.13	0.13	Free Surfac	2.335	0.217	0.103	0.144	0.165	1.292	1.264	Yes	0.175	1.783			
FUP44	FUMH43	FUMH45	8	1,000.00	0.026	0.218	0.218	Free Surfac	3.72	0.225	0.111	0.15	0.215	2.018	1.971	Yes	0.203	2.434			
FUP440	FUMH453	FUMH455	8	1,000.00	0.011	0.26	0.26	Free Surfac	2.854	0.307	0.205	0.205	0.235	1.307	1.267	Yes	0.229	2.443			
FUP442	FUMH455	FUMH457	8	1,000.00	0.011	0.39	0.39	Free Surfac	3.194	0.381	0.308	0.254	0.291	1.296	1.266	Yes	0.276	2.861			
FUP444	FUMH457	FUMH459	8	1,000.00	0.011	0.52	0.52	Free Surfac	3.45	0.446	0.411	0.298	0.338	1.275	1.267	Yes	0.318	3.164			
FUP446	FUMH459	FUMH461	8	1,000.00	0.011	0.65	0.65	Free Surfac	3.651	0.508	0.513	0.339	0.38	1.245	1.266	Yes	0.359	3.398			
FUP448	FUMH461	FUMH463	8	1,000.00	0.011	0.78	0.78	Free Surfac	3.814	0.568	0.616	0.378	0.418	1.208	1.266	Yes	0.398	3.585			
FUP448	FUMH461	FUMH463	8	1,000.00	0.011	0.78	0.78	Free Surfac	3.814	0.568	0.616	0.378	0.418	1.208	1.266	Yes	0.398	3.585			
FUP450	FUMH463	FUMH465	8	1,000.00	0.011	0.91	0.91	Free Surfac	3.948	0.627	0.718	0.418	0.452	1.163	1.267	Yes	0.439	3.732			
FUP450	FUMH463	FUMH465	8	1,000.00	0.011	0.91	0.91	Free Surfac	3.948	0.627	0.718	0.418	0.452	1.163	1.267	Yes	0.439	3.732			
FUP452	FUMH465	FUMH467	8	1,000.00	0.011	1.04	1.04	Free Surfac	4.049	0.69	0.821	0.46	0.484	1.106	1.266	Yes	0.483	3.841	6.28	8	2
FUP454	FUMH467	FUMH469	8	1,000.00	0.011	1.17	1.17	Free Surfac	4.119	0.759	0.924	0.506	0.513	1.029	1.267	Yes	0.667	3.352	6.56	8	2
FUP46	FUMH45	FUMH47	8	1,000.00	0.026	0.613	0.613	Free Surfac	4.984	0.383	0.311	0.255	0.368	2.016	1.97	Yes	0.297	4.086			
FUP46	FUMH45	FUMH47	8	1,000.00	0.026	0.613	0.613	Free Surfac	4.984	0.383	0.311	0.255	0.368	2.016	1.97	Yes	0.309	3.875			
FUP48	FUMH47	FUMH49	8	1,000.00	0.026	1.009	1.009	Free Surfac	5.679	0.507	0.512	0.338	0.477	1.939	1.971	Yes	0.667	2.889			
FUP50	FUMH49	FUMH51	8	1,000.00	0.026	2.405	2.405	Pressurized	6.891	1	1.221	0.667	0.624	1.487	1.97	Yes	0.667	6.891	7.31	8	2
FUP50	FUMH49	FUMH51	8	1,000.00	0.026	1.397	1.397	Free Surfac	6.124	0.622	0.709	0.414	0.556	1.817	1.97	Yes	0.667	4.002			
FUP52	FUMH51	2673	8	1,000.00	0.026	3.802	3.802	Pressurized	10.893	1	1.929	0.667	0.624	2.351	1.971	Yes	0.667	10.893	8.68	10	2
FUP54	FUMH53	FUMH55	8	276.71	0.005	0.641	0.641	Pressurized	2.69	0.646	0.75	0.431	0.377	0.775	0.856	Yes	0.667	1.837			
FUP54	FUMH53	FUMH55	8	276.71	0.005	0.641	0.641	Pressurized	2.69	0.646	0.75	0.431	0.377	0.775	0.856	Yes	0.667	1.837			
FUP56	FUMH55	FUMH57	8	1,000.00	0.005	1.283	1.283	Pressurized	3.674	1	1.497	0.667	0.438	0.793	0.857	Yes	0.667	3.674	7.87	8	2
FUP58	FUMH57	FUMH59	8	1,000.00	0.005	1.924	1.924	Pressurized	5.512	1	2.246	0.667	0.438	1.19	0.857	Yes	0.667	5.512	9.16	10	2
FUP6	FUMH5	FUMH3	8	305.21	0.011	0.079	0.079	Free Surfac	2.04	0.168	0.061	0.112	0.127	1.291	1.286	Yes	0.135	1.562			
FUP6	FUMH5	FUMH3	8	305.21	0.011	0.079	0.079	Free Surfac	2.04	0.168	0.061	0.112	0.127	1.291	1.286	Yes	0.135	1.562			
FUP60	FUMH59	FUMH61	8	1,000.00	0.005	2.565	2.565	Pressurized	7.349	1	2.994	0.667	0.438	1.586	0.857	Yes	0.667	7.349	10.21	12	2
FUP62	FUMH61	1818	8	1,000.00	0.005	3.207	3.207	Pressurized	9.186	1	3.743	0.667	0.438	1.983	0.857	Yes	0.667	9.186	11.10	12	2
FUP64	FUMH63	FUMH65	8	456.03	0.029	0.055	0.055	Free Surfac	2.548	0.112	0.027	0.075	0.106	1.987	2.063	Yes	0.09	1.957			
FUP64	FUMH63	FUMH65	8	456.03	0.029	0.055	0.055	Free Surfac	2.548	0.112	0.027	0.075	0.106	1.987	2.063	Yes	0.09	1.957			
FUP66	FUMH65	FUMH67	8	1,000.00	0.029	0.109	0.109	Free Surfac	3.134	0.157	0.053	0.104	0.151	2.057	2.062	Yes	0.116	2.697			
FUP66	FUMH65	FUMH67	8	1,000.00	0.029	0.109	0.109	Free Surfac	3.134	0.157	0.053	0.104	0.151	2.057	2.062	Yes	0.116	2.697			
FUP68	FUMH67	FUMH69	8	1,000.00	0.029	0.164	0.164	Free Surfac	3.533	0.191	0.08	0.127	0.186	2.091	2.062	Yes	0.137	3.18			
FUP68	FUMH67	FUMH69	8	1,000.00	0.029	0.164	0.164	Free Surfac	3.533	0.191	0.08	0.127	0.186	2.091	2.062	Yes	0.137	3.18			
FUP70	FUMH69	FUMH71	8	1,000.00	0.029	0.219	0.219	Free Surfac	3.844	0.22	0.106	0.147	0.215	2.11	2.062	Yes	0.155	3.543			
FUP70	FUMH69	FUMH71	8	1,000.00	0.029	0.219	0.219	Free Surfac	3.844	0.22	0.106	0.147	0.215	2.11	2.062	Yes	0.155	3.543			
FUP72	FUMH71	FUMH73	8	1,000.00	0.029	0.274	0.274	Free Surfac	4.102	0.246	0.133	0.164	0.242	2.121	2.063	Yes	0.172	3.838			
FUP72	FUMH71	FUMH73	8	1,000.00	0.029	0.274	0.274	Free Surfac	4.102	0.246	0.133	0.164	0.242	2.121	2.063	Yes	0.172	3.838			
FUP74	FUMH73	FUMH75	8	1,000.00	0.029	0.328	0.328	Free Surfac	4.323	0.27	0.159	0.18	0.266	2.126	2.062	Yes	0.187	4.086			
FUP74	FUMH73	FUMH75	8	1,000.00	0.029	0.328	0.328	Free Surfac	4.323	0.27	0.159	0.18	0.266	2.126	2.062	Yes	0.187	4.086			
FUP76	FUMH75	FUMH77	8	1,000.00	0.029	0.383	0.383	Free Surfac	4.517	0.292	0.186	0.195	0.288	2.128	2.062	Yes	0.202	4.302			

FUP76	FUMH75	FUMH77	8	1,000.00	0.029	0.383	0.383	Free Surfac	4.517	0.292	0.186	0.195	0.288	2.128	2.062	Yes	0.202	4.302			
FUP78	FUMH77	FUMH79	8	1,000.00	0.029	0.438	0.438	Free Surfac	4.692	0.313	0.212	0.209	0.309	2.128	2.063	Yes	0.215	4.494			
FUP78	FUMH77	FUMH79	8	1,000.00	0.029	0.438	0.438	Free Surfac	4.692	0.313	0.212	0.209	0.309	2.128	2.063	Yes	0.215	4.494			
FUP8	FUMH7	2539	8	1,000.00	0.024	0.169	0.169	Free Surfac	3.317	0.203	0.091	0.136	0.188	1.898	1.864	Yes	0.158	2.658			
FUP8	FUMH7	2539	8	1,000.00	0.024	0.169	0.169	Free Surfac	3.317	0.203	0.091	0.136	0.188	1.898	1.864	Yes	0.158	2.658			
FUP80	FUMH79	2076	8	1,000.00	0.029	0.493	0.493	Free Surfac	4.849	0.333	0.239	0.222	0.328	2.125	2.062	Yes	0.667	1.411			
FUP80	FUMH79	2076	8	1,000.00	0.029	0.493	0.493	Free Surfac	4.849	0.333	0.239	0.222	0.328	2.125	2.062	Yes	0.667	1.411			
FUP82	FUMH81	FUMH83	8	540.89	0.007	0.089	0.089	Free Surfac	1.758	0.202	0.089	0.135	0.135	1.009	0.991	Yes	0.163	1.343			
FUP82	FUMH81	FUMH83	8	540.89	0.007	0.089	0.089	Free Surfac	1.758	0.202	0.089	0.135	0.135	1.009	0.991	Yes	0.163	1.343			
FUP84	FUMH83	FUMH85	8	1,000.00	0.007	0.177	0.177	Free Surfac	2.148	0.286	0.179	0.191	0.193	1.023	0.991	Yes	0.213	1.841			
FUP84	FUMH83	FUMH85	8	1,000.00	0.007	0.177	0.177	Free Surfac	2.148	0.286	0.179	0.191	0.193	1.023	0.991	Yes	0.213	1.841			
FUP86	FUMH85	2150	8	1,000.00	0.007	0.266	0.266	Free Surfac	2.407	0.354	0.269	0.236	0.238	1.019	0.991	No	0.236	2.407			
FUP86	FUMH85	2150	8	1,000.00	0.007	0.266	0.266	Free Surfac	2.407	0.354	0.269	0.236	0.238	1.019	0.991	No	0.236	2.407			
FUP88	FUMH87	FUMH89	8	224.23	0.028	0.089	0.089	Free Surfac	2.917	0.142	0.044	0.095	0.135	2.012	2.036	Yes	0.114	2.237			
FUP88	FUMH87	FUMH89	8	224.23	0.028	0.089	0.089	Free Surfac	2.917	0.142	0.044	0.095	0.135	2.012	2.036	Yes	0.114	2.237			
FUP90	FUMH89	FUMH91	8	1,000.00	0.028	0.177	0.177	Free Surfac	3.581	0.2	0.087	0.133	0.193	2.07	2.035	Yes	0.148	3.079			
FUP90	FUMH89	FUMH91	8	1,000.00	0.028	0.177	0.177	Free Surfac	3.581	0.2	0.087	0.133	0.193	2.07	2.035	Yes	0.148	3.079			
FUP92	FUMH91	FUMH93	8	1,000.00	0.028	0.266	0.266	Free Surfac	4.032	0.244	0.131	0.163	0.238	2.093	2.036	Yes	0.176	3.624			
FUP92	FUMH91	FUMH93	8	1,000.00	0.028	0.266	0.266	Free Surfac	4.032	0.244	0.131	0.163	0.238	2.093	2.036	Yes	0.176	3.624			
FUP96	FUMH93	2193	8	1,000.00	0.028	0.355	0.355	Free Surfac	4.378	0.283	0.174	0.188	0.277	2.1	2.035	No	0.188	4.378			
FUP96	FUMH93	2193	8	1,000.00	0.028	0.355	0.355	Free Surfac	4.378	0.283	0.174	0.188	0.277	2.1	2.035	No	0.188	4.378			
OPTB458	FUMH47	2735	8	1,000.00	0.021	1.009	1.009	Free Surfac	5.199	0.544	0.575	0.363	0.477	1.695	1.754	No	0.363	5.199			
OPTB460	FUMH469	FUMH447	8	5,775.00	0.006	1.3	1.3	Pressurized	3.724	1	1.389	0.667	0.459	0.804	0.936	Yes	0.667	3.724	7.64	8	2
OPTB466	FUMH415	OPTB9012	8	1,000.00	0.027	1.604	1.604	Free Surfac	6.37	0.677	0.802	0.452	0.587	1.766	2.001	No	0.452	6.37	6.24	8	2
OPTB468	FUMH447	OPTB9010	8	2,000.00	0.015	2.907	2.907	Pressurized	8.327	1	1.977	0.667	0.568	1.797	1.47	No	0.667	8.327	8.71	10	2
OPTB470	FUMH299	OPTB8	8	2,000.00	0.005	13.468	13.468	Pressurized	38.582	1	16.47	0.667	0.428	8.327	0.818	Yes	0.667	38.582	19.01	21	2
OPTB476	OPTB8	FUMH203	8	1,800.00	0.1	15.023	15.023	Pressurized	43.038	1	3.913	0.667	0.663	9.289	3.839	Yes	0.667	43.038	11.29	12	2
OPTB478	FUMH431	OPTB9016	8	1,000.00	0.016	1.555	1.555	Pressurized	4.456	1	1.016	0.667	0.577	0.962	1.532	No	0.667	4.456	6.80	8	2
OPTB482	OPTB12	OPTB8	8	3,200.00	0.01	1.555	1.555	Pressurized	4.456	1	1.304	0.667	0.517	0.962	1.193	Yes	0.667	4.456	7.43	8	2
P484	MH22	1819	18	339.61	0.004	21.907	21.907	Pressurized	12.397	1	3.499	1.5	0.967	1.784	6.261	Yes	1.5	12.397	23.79	24	2
P486	2820	MH14	21	366.94	0.004	13.711	13.711	Pressurized	5.7	1	1.418	1.75	1.158	0.759	9.672	Yes	1.75	5.7	19.95	21	2
P488	MH14	MH16	21	340.76	0.004	13.711	13.711	Pressurized	5.7	1	1.397	1.75	1.166	0.759	9.813	Yes	1.75	5.7	19.95	21	2
P490	MH16	MH18	21	173.15	0.003	13.711	13.711	Pressurized	5.7	1	1.59	1.75	1.091	0.759	8.622	Yes	1.75	5.7	21.06	24	2
P492	MH18	MH20	21	290.84	0.004	13.711	13.711	Pressurized	5.7	1	1.443	1.75	1.147	0.759	9.5	Yes	1.75	5.7	19.95	21	2
P494	MH20	MH22	21	156.54	0.004	13.711	13.711	Pressurized	5.7	1	1.456	1.75	1.142	0.759	9.417	Yes	1.75	5.7	19.95	21	2
	477	252	12	150.67	0.004	0.113	0.113	Free Surfac	1.546	0.148	0.048	0.148	0.137	0.852	2.364	Yes	0.226	0.845			
	2343	2336	8	131.37	0.034	0.074	0.074	Free Surfac	2.945	0.125	0.033	0.083	0.124	2.17	2.225	Yes	0.106	2.068			
	1397	1396	8	398.99	0.033	0.069	0.069	Free Surfac	2.864	0.122	0.031	0.081	0.119	2.141	2.203	Yes	0.082	2.842			
	168	401	10	343.61	0.025	0.099	0.099	Free Surfac	2.796	0.116	0.029	0.097	0.134	1.916	3.461	Yes	0.152	1.445			
	2433	2432	8	125.03	0.015	0.004	0.004	Free Surfac	0.939	0.039	0.003	0.026	0.029	1.25	1.497	Yes	0.045	0.413			

APPENDIX E

Engineer's Opinion of Probable Cost & Impact Fee Calculations

SUNRISE ENGINEERING
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ENGINEER'S OPINION OF PROBABLE COST

Wastewater Master Plan 10 Year Improvements
Washington City

November 14, 2016
KCS

NO.	DESCRIPTION	EST QTY	UNIT	UNIT PRICE	AMOUNT
GENERAL CONSTRUCTION					
Industrial Road Regional Connection					
1	Mobilization	5%	LS	$ 9,800.00	$ 9,800.00
2	Pre-Construction Activities	1	LS	$ 20,000.00	$ 20,000.00
3	24-inch Sewer Main (PVC SDR 35 ASTM D 3034)	950	LF	$ 51.00	$ 48,450.00
4	60-inch Reinforced Concrete Manhole	5	EA	$ 3,500.00	$ 17,500.00
5	Imported Pipe Bedding	80	CY	$ 18.00	$ 1,440.00
6	Imported Trench Backfill	180	CY	$ 12.00	$ 2,160.00
7				Subtotal	$ 99,350.00
South 100 East Replacement (South of 965 S.)					
8	Mobilization	7%	LS	$ 6,200.00	$ 6,200.00
9	Pre-Construction Activities	1	LS	$ 20,000.00	$ 20,000.00
10	15-inch Sewer Main (PVC SDR 35 ASTM D 3034)	725	LF	$ 44.00	$ 31,900.00
11	60-inch Reinforced Concrete Manhole	4	EA	$ 3,500.00	$ 14,000.00
12	Imported Pipe Bedding	40	CY	$ 18.00	$ 720.00
13	Imported Trench Backfill	120	CY	$ 12.00	$ 1,440.00
14	8" Untreated Base Course	5,800	SF	$ 1.25	$ 7,250.00
15	8" Granular Borrow	5,800	SF	$ 0.75	$ 4,350.00
16	Bituminous Surface Course (2-1/2")	5,800	SF	$ 1.50	$ 8,700.00
17				Subtotal	$ 94,560.00
South 100 East Replacement (North of 965 S.)					
18	Mobilization	7%	LS	$ 9,100.00	$ 9,100.00
19	Pre-Construction Activities	1	LS	$ 20,000.00	$ 20,000.00
20	15-inch Sewer Main (PVC SDR 35 ASTM D 3034)	1,290	LF	$ 40.00	$ 51,600.00
21	60-inch Reinforced Concrete Manhole	5	EA	$ 3,500.00	$ 17,500.00
22	Imported Pipe Bedding	80	CY	$ 18.00	$ 1,440.00
23	Imported Trench Backfill	220	CY	$ 12.00	$ 2,640.00
24	8" Untreated Base Course	10,320	SF	$ 1.25	$ 12,900.00
25	8" Granular Borrow	10,320	SF	$ 0.75	$ 7,740.00
26	Bituminous Surface Course (2-1/2")	10,320	SF	$ 1.50	$ 15,480.00
27				Subtotal	$ 138,400.00
Main St Parallel Line					
28	Mobilization	5%	LS	$ 36,100.00	$ 36,100.00
29	Pre-Construction Activities	1	LS	$ 50,000.00	$ 50,000.00
30	10-inch Sewer Main (PVC SDR 35 ASTM D 3034)	8,450	LF	$ 34.00	$ 287,300.00
31	60-inch Reinforced Concrete Manhole	36	EA	$ 3,500.00	$ 126,000.00
32	Imported Pipe Bedding	390	CY	$ 18.00	$ 7,020.00
33	Imported Trench Backfill	1,260	CY	$ 12.00	$ 15,120.00
34	8" Untreated Base Course	67,600	SF	$ 1.25	$ 84,500.00
35	8" Granular Borrow	67,600	SF	$ 0.75	$ 50,700.00
36	Bituminous Surface Course (2-1/2")	67,600	SF	$ 1.50	$ 101,400.00
37				Subtotal	$ 758,140.00
Millcreek Parallel Lines					
38	Mobilization	5%	LS	$ 2,100.00	$ 2,100.00
39	Pre-Construction Activities	1	LS	$ 20,000.00	$ 20,000.00
40	15-inch Sewer Main (PVC SDR 35 ASTM D 3034)	285	LF	$ 40.00	$ 11,400.00
41	60-inch Reinforced Concrete Manhole	3	EA	$ 3,500.00	$ 10,500.00
42	Imported Pipe Bedding	20	CY	$ 18.00	$ 360.00
43	Imported Trench Backfill	50	CY	$ 12.00	$ 600.00
44				Subtotal	$ 44,960.00
Buena Vista Blvd to I-15 Crossing Replacement Lines					
45	Mobilization	7%	LS	$ 16,600.00	$ 16,600.00
46	Pre-Construction Activities	1	LS	$ 20,000.00	$ 20,000.00
47	10-inch Sewer Main (PVC SDR 35 ASTM D 3034)	190	LF	$ 34.00	$ 6,460.00

48	18-inch Sewer Main Pipe Burst (PVC SDR 35 ASTM D 3034)	480	LF	$	44.00	$	21,120.00
49	Boring and Jacking Freeway Crossing	1	LS	$	120,000.00	$	120,000.00
50	60-inch Reinforced Concrete Manhole	5	EA	$	3,500.00	$	17,500.00
51	Imported Pipe Bedding	100	CY	$	18.00	$	1,800.00
52	Imported Trench Backfill	310	CY	$	12.00	$	3,720.00
53	8" Untreated Base Course	10,520	SF	$	1.25	$	13,150.00
54	8" Granular Borrow	10,520	SF	$	0.75	$	7,890.00
55	Bituminous Surface Course (2-1/2")	10,520	SF	$	1.50	$	15,780.00
56	Environmental Compliance	1	LS	$	10,000.00	$	10,000.00
57					Subtotal	$	254,020.00
Green Springs Parallel Lines							
58	Mobilization	7%	LS	$	22,400.00	$	22,400.00
59	Pre-Construction Activities	1	LS	$	20,000.00	$	20,000.00
60	10-inch Sewer Main Pipe Burst (PVC SDR 35 ASTM D 3034)	980	LF	$	34.00	$	33,320.00
61	10-inch Sewer Main (PVC SDR 35 ASTM D 3034)	350	LF	$	34.00	$	11,900.00
62	12-inch Sewer Main (PVC SDR 35 ASTM D 3034)	2,080	LF	$	37.00	$	76,960.00
63	60-inch Reinforced Concrete Manhole	17	EA	$	3,500.00	$	59,500.00
64	Imported Pipe Bedding	390	CY	$	18.00	$	7,020.00
65	Imported Trench Backfill	1,260	CY	$	12.00	$	15,120.00
66	8" Untreated Base Course	27,280	SF	$	1.25	$	34,100.00
67	8" Granular Borrow	27,280	SF	$	0.75	$	20,460.00
68	Bituminous Surface Course (2-1/2")	27,280	SF	$	1.50	$	40,920.00
69					Subtotal	$	341,700.00
1100 East Parallel and New Lines							
70	Mobilization	5%	LS	$	12,400.00	$	12,400.00
71	Pre-Construction Activities	1	LS	$	20,000.00	$	20,000.00
72	10-inch Sewer Main (PVC SDR 35 ASTM D 3034)	2,680	LF	$	34.00	$	91,120.00
73	21-inch Sewer Main (PVC SDR 35 ASTM D 3034)	175	LF	$	47.00	$	8,225.00
74	60-inch Reinforced Concrete Manhole	12	EA	$	3,500.00	$	42,000.00
75	Imported Pipe Bedding	130	CY	$	18.00	$	2,340.00
76	Imported Trench Backfill	430	CY	$	12.00	$	5,160.00
77	8" Untreated Base Course	22,840	SF	$	1.25	$	28,550.00
78	8" Granular Borrow	22,840	SF	$	0.75	$	17,130.00
79	Bituminous Surface Course (2-1/2")	22,840	SF	$	1.50	$	34,260.00
80					Subtotal	$	261,185.00
2000 South-Summerfield Lane-1725 South Parallel Line							
81	Mobilization	5%	LS	$	22,800.00	$	22,800.00
82	Pre-Construction Activities	1	LS	$	30,000.00	$	30,000.00
83	12-inch Sewer Main (PVC SDR 35 ASTM D 3034)	5,140	LF	$	37.00	$	190,180.00
84	60-inch Reinforced Concrete Manhole	22	EA	$	3,500.00	$	77,000.00
85	Imported Pipe Bedding	260	CY	$	18.00	$	4,680.00
86	Imported Trench Backfill	820	CY	$	12.00	$	9,840.00
87	8" Untreated Base Course	41,120	SF	$	1.25	$	51,400.00
88	8" Granular Borrow	41,120	SF	$	0.75	$	30,840.00
89	Bituminous Surface Course (2-1/2")	41,120	SF	$	1.50	$	61,680.00
90					Subtotal	$	478,420.00
Long Valley Line to Lift Station							
101	Mobilization	5%	LS	$	49,900.00	$	49,900.00
102	Pre-Construction Activities	1	LS	$	50,000.00	$	50,000.00
103	8-inch Sewer Main (PVC SDR 35 ASTM D 3034)	5,700	LF	$	32.00	$	182,400.00
104	10-inch Sewer Main (PVC SDR 35 ASTM D 3034)	2,515	LF	$	34.00	$	85,510.00
105	12-inch Sewer Main (PVC SDR 35 ASTM D 3034)	5,120	LF	$	37.00	$	189,440.00
106	60-inch Reinforced Concrete Manhole	33	EA	$	3,500.00	$	115,500.00
107	Imported Pipe Bedding	600	CY	$	18.00	$	10,800.00
108	Imported Trench Backfill	1,980	CY	$	12.00	$	23,760.00
109	6-inch Pressure Sewer Main	1,020	LF	$	30.00	$	30,600.00
110	Sewer Lift Station	1	LS	$	150,000.00	$	150,000.00
111	8" Untreated Base Course	45,600	SF	$	1.25	$	57,000.00
112	8" Granular Borrow	45,600	SF	$	0.75	$	34,200.00
113	Bituminous Surface Course (2-1/2")	45,600	SF	$	1.50	$	68,400.00
114					Subtotal	$	1,047,510.00
Sunrise Valley Line to Lift Station							
115	Mobilization	5%	LS	$	33,100.00	$	33,100.00
116	Pre-Construction Activities	1	LS	$	50,000.00	$	50,000.00
117	8-inch Sewer Main (PVC SDR 35 ASTM D 3034)	3,580	LF	$	32.00	$	114,560.00
118	10-inch Sewer Main (PVC SDR 35 ASTM D 3034)	3,340	LF	$	34.00	$	113,560.00

119	15-inch Sewer Main (PVC SDR 35 ASTM D 3034)	3,985	LF	$	40.00	$	159,400.00
120	60-inch Reinforced Concrete Manhole	27	EA	$	3,500.00	$	94,500.00
121	Imported Pipe Bedding	530	CY	$	18.00	$	9,540.00
122	Imported Trench Backfill	1,680	CY	$	12.00	$	20,160.00
123	8" Untreated Base Course	28,640	SF	$	1.25	$	35,800.00
124	8" Granular Borrow	28,640	SF	$	0.75	$	21,480.00
125	Bituminous Surface Course (2-1/2")	28,640	SF	$	1.50	$	42,960.00
126					Subtotal	$	695,060.00
					Subtotal	$	4,213,305.00
			25%		Contingency	$	1,053,326.25
					General Construction Total	$	5,266,631.25
PROFESSIONAL SERVICES & INCIDENTALS							
1	Funding & Adminstrative Services	0.3%	EST	$	20,000.00	$	20,000.00
3	Engineering Design	6.1%	LS	$	370,800.00	$	370,800.00
4	Bidding & Negotiating	0.7%	HR	$	40,000.00	$	40,000.00
5	Construction Administration Services	5.5%	HR	$	337,100.00	$	337,100.00
8	Wastewater Facilities Plan	0.6%	EST	$	35,000.00	$	35,000.00
14	Environmental Report (EIS,EA, CATEX, ...)	0.8%	EST	$	50,000.00	$	50,000.00
					Subtotal	$	852,900.00
					TOTAL PROJECT COST	$	6,120,000.00

In providing opinions of probable construction cost, the Client understands that the Engineer has no control over costs or the price of labor, equipment or materials, or over the Contractor's method of pricing, and that the opinion of probable construction cost provided herein is made on the basis of the Engineer's qualifications and experience. The Engineer makes no warranty, expressed or implied, as to the accuracy of such opinions compared to bid or actual costs.

Contributing Project	Est. Project Cost	Cost (Non-Developer)	Year	Inflated Costs	% Impact Fee Eligible	Impact Fee Eligible Costs
Industrial Road Regional Connection	$ 144,299	$ 144,299	2017	$ 148,628	100%	$ 148,628
South 100 East Replacement (South of 965 S.)	$ 137,342	$ 137,342	2018	$ 145,706	0%	$ -
South 100 East Replacement (North of 965 S.)	$ 201,016	$ 201,016	2018	$ 213,258	0%	$ -
Main St Parallel Line	$ 1,101,145	$ 1,101,145	2026	$ 1,479,847	100%	$ 1,479,847
Millcreek Parallel Lines	$ 65,301	$ 65,301	2024	$ 82,721	100%	$ 82,721
Buena Vista Blvd to I-15 Crossing Replacement Lines	$ 368,946	$ 368,946	2022-2024	$ 453,757	100%	$ 453,757
Green Springs Parallel Lines	$ 496,295	$ 496,295	2021-2022	$ 583,908	100%	$ 583,908
1100 East Parallel and New Lines	$ 379,353	$ 379,353	2017	$ 390,734	92%	$ 358,384
2000 South-Summerfield Lane-1725 South Parallel Line	$ 694,872	$ 694,872	2022	$ 829,714	95%	$ 791,779
Long Valley Line to Lift Station	$ 1,340,835	$ 426,432	2021	$ 494,352	100%	$ 494,352
Sunrise Valley Line to Lift Station	$ 1,009,526	$ 415,252	2021	$ 481,391	100%	$ 481,391
1900 E Lift Station	$ 180,600	$ 180,600	2021	$ 209,365	95%	$ 198,091
IFFP Updates	$ 80,000	$ 80,000	2021, 2026	$ 100,128	100%	$ 100,128
					Total Impact Fee Eligible	$ 5,172,986
					New ERUs	5,275
					Impact Fee Amount	$ 980.66

Table B.5 Cash Flow Analysis

Fiscal Year (July 1 through June 30)	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WASTEWATER SYSTEM DATA																			
Annual Population Growth Rate	3.8%	2.1%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Annual Inflation Rate	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Average User Rate / ERU / Month (Washington City)	$16.01	$16.30	$16.08	$14.00	$14.00	$14.00	$14.00	$14.00	$14.14	$14.28	$14.42	$14.57	$14.71	$14.86	$15.01	$15.16	$15.31	$15.46	$15.62
Average Impact Fee / ERU (Washington City)	$1,227	$1,227	$1,227	$981	$981	$981	$981	$981	$981	$981	$981	$981	$981	$981	$981	$981	$981	$981	$981
Inspection Fee / ERU	$150	$150	$150	$150	$150	$150	$150	$150	$150	$150	$150	$150	$150	$150	$150	$150	$150	$150	$150
Regional Facility Impact Fee / ERU	$909	$909	$909	$909	$909	$909	$909	$909	$909	$909	$909	$909	$909	$909	$909	$909	$909	$909	$909
Total ERU's at Year End	7821	7989	8388	8808	9248	9711	10196	10706	11241	11803	12394	13013	13664	14347	15064	15818	16609	17439	18311
New ERU's per Year	286	168	399	419	440	462	486	510	535	562	590	620	651	683	717	753	791	830	872
WASTEWATER SYSTEM REVENUES																			
OPERATING																			
Charges for Services	$1,502,918	$1,562,744	$1,618,258	$1,444,491	$1,516,716	$1,592,551	$1,672,179	$1,755,788	$1,862,013	$1,974,665	$2,094,132	$2,220,827	$2,355,187	$2,497,676	$2,648,785	$2,809,037	$2,978,984	$3,159,212	$3,350,344
Inspection Fees	$58,500	$48,400	$60,875	$59,001	$62,246	$65,669	$69,281	$73,092	$77,112	$81,353	$85,827	$90,548	$95,528	$100,782	$106,325	$112,173	$118,342	$124,851	$131,718
Miscellaneous	$17,864	$10,670	$10,212	$10,774	$11,366	$11,991	$12,651	$13,347	$14,081	$14,855	$15,672	$16,534	$17,443	$18,403	$19,415	$20,483	$21,609	$22,798	$24,052
NON-OPERATING																			
Interest Earnings	$73,022	$66,484	$109,971	$87,733	$92,558	$97,649	$103,020	$108,686	$114,664	$120,970	$127,623	$134,643	$142,048	$149,861	$158,103	$166,799	$175,973	$185,651	$195,862
Impact Fees	$492,727	$393,419	$514,738	$411,311	$431,876	$453,470	$476,144	$499,951	$524,948	$551,196	$578,756	$607,693	$638,078	$669,982	$703,481	$738,655	$775,588	$814,367	$855,086
Private Grants	$22,948	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Use of Previous Year Fund Balance	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
TOTAL OPERATING REVENUES:	**$2,167,980**	**$2,081,718**	**$2,314,054**	**$2,013,309**	**$2,114,762**	**$2,221,331**	**$2,333,275**	**$2,450,863**	**$2,592,818**	**$2,743,039**	**$2,902,011**	**$3,070,245**	**$3,248,285**	**$3,436,704**	**$3,636,110**	**$3,847,147**	**$4,070,496**	**$4,306,880**	**$4,557,062**
WASTEWATER SYSTEM OPERATING EXPENSES																			
Salaries	$459,331	$509,811	$508,919	$536,910	$566,440	$597,594	$630,462	$665,137	$701,720	$740,314	$781,032	$823,988	$869,308	$917,120	$967,561	$1,020,777	$1,076,920	$1,136,151	$1,198,639
Employee Benefits	$277,788	$291,772	$319,409	$336,977	$355,510	$375,063	$395,692	$417,455	$440,415	$464,638	$490,193	$517,153	$545,597	$575,605	$607,263	$640,662	$675,899	$713,073	$752,292
Utilites	$32,534	$33,601	$34,914	$36,834	$38,860	$40,998	$43,252	$45,631	$48,141	$50,789	$53,582	$56,529	$59,638	$62,918	$66,379	$70,030	$73,881	$77,945	$82,232
Professional Services	$10,030	$9,608	$50,530	$24,676	$26,033	$27,465	$28,975	$30,569	$32,250	$34,024	$35,895	$37,870	$39,952	$42,150	$44,468	$46,914	$49,494	$52,216	$55,088
Repairs and Maintenance	$13,797	$25,542	$33,920	$25,763	$27,180	$28,675	$30,252	$31,915	$33,671	$35,523	$37,476	$39,538	$41,712	$44,006	$46,427	$48,980	$51,674	$54,516	$57,515
Uncollectable Accounts	($4,280)	$4,408	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Miscellaneous	$5,106	$10,135	$7,044	$7,431	$7,840	$8,271	$8,726	$9,206	$9,712	$10,246	$10,810	$11,404	$12,031	$12,693	$13,391	$14,128	$14,905	$15,725	$16,589
Supplies	$45,013	$82,913	$69,278	$73,088	$77,108	$81,349	$85,823	$90,543	$95,523	$100,777	$106,319	$112,167	$118,336	$124,845	$131,711	$138,955	$146,598	$154,661	$163,167
Administrative Costs	$150,000	$150,000	$98,997	$100,977	$102,996	$105,056	$107,158	$109,301	$111,487	$113,716	$115,991	$118,311	$120,677	$123,090	$125,552	$128,063	$130,624	$133,237	$135,902
Capital Expenses	$555,249	$571,376	$634,294	$669,180	$705,985	$744,814	$785,779	$828,996	$874,591	$922,694	$973,442	$1,026,981	$1,083,465	$1,143,056	$1,205,924	$1,272,249	$1,342,223	$1,416,045	$1,493,928
TOTAL OPERATINGEXPENSES:	**$1,544,567**	**$1,689,166**	**$1,757,305**	**$1,811,835**	**$1,907,952**	**$2,009,284**	**$2,116,118**	**$2,228,754**	**$2,347,510**	**$2,472,721**	**$2,604,740**	**$2,743,941**	**$2,890,717**	**$3,045,483**	**$3,208,676**	**$3,380,759**	**$3,562,219**	**$3,753,569**	**$3,955,352**
WASTEWATER SYSTEM EXISTING DEBT SERVICE																			
Sewer Revenue Bond (1999; $3,356,000; 2.0%)	$217,113	$211,617	$216,420	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Reserve for 1999 Sewer Bond	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
TOTAL EXISTING DEBT SERVICE:	**$217,113**	**$211,617**	**$216,420**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
WASTEWATER SYSTEM NEW DEBT SERVICE																			
Bond A	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Reserve for Bond A	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Bond B	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Reserve for Bond B	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Bond C	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Reserve for Bond C	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
TOTAL NEW DEBT SERVICE:	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
WASTEWATER SYSTEM EXPENSES SUMMARY																			
Wastewater System O&M Expenses	$1,544,567	$1,689,166	$1,757,305	$1,811,835	$1,907,952	$2,009,284	$2,116,118	$2,228,754	$2,347,510	$2,472,721	$2,604,740	$2,743,941	$2,890,717	$3,045,483	$3,208,676	$3,380,759	$3,562,219	$3,753,569	$3,955,352
Wastewater System Existing Debt Service	$217,113	$211,617	$216,420	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Wastewater System New Debt Service	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
TOTAL EXPENSES:	**$1,761,681**	**$1,900,784**	**$1,973,725**	**$1,811,835**	**$1,907,952**	**$2,009,284**	**$2,116,118**	**$2,228,754**	**$2,347,510**	**$2,472,721**	**$2,604,740**	**$2,743,941**	**$2,890,717**	**$3,045,483**	**$3,208,676**	**$3,380,759**	**$3,562,219**	**$3,753,569**	**$3,955,352**
WASTEWATER SYSTEM CASH FLOW																			
NET CASH FLOW:	**$406,299**	**$180,934**	**$340,329**	**$201,475**	**$206,811**	**$212,047**	**$217,157**	**$222,109**	**$245,308**	**$270,318**	**$297,270**	**$326,304**	**$357,568**	**$391,221**	**$427,433**	**$466,387**	**$508,277**	**$553,311**	**$601,710**
WASTEWATER SYSTEM IMPACT FEE FUND																			
Total Impact Fee Revenue	$492,727	$393,419	$514,738	$411,311	$431,876	$453,470	$476,144	$499,951	$524,948	$551,196	$578,756	$607,693	$638,078	$669,982	$703,481	$738,655	$775,588	$814,367	$855,086
Impact Fees Covering Sewer Revenue Bond 1999	($217,113)	($211,617)	($216,420)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Impact Fees Covering Bond A	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Impact Fees Covering Bond B	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Impact Fees Covering Bond C	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Impact Fees Spent for Single Payment Projects or Self Help	$0	$0	$0	($507,012)	$0	$0	$0	($1,220,205)	($1,375,687)	($453,757)	($82,721)	$0	($1,533,603)	$0	$0	$0	$0	$0	$0
Bond Reserve Payments	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
IMPACT FEE FUND TOTAL:	**$1,058,112**	**$1,239,913**	**$1,538,231**	**$1,442,530**	**$1,874,407**	**$2,327,877**	**$2,804,021**	**$2,083,767**	**$1,233,028**	**$1,330,467**	**$1,826,501**	**$2,434,195**	**$1,538,669**	**$2,208,651**	**$2,912,132**	**$3,650,788**	**$4,426,376**	**$5,240,743**	**$6,095,829**
WASTEWATER SYSTEM CASH FUND																			
Total Cash Revenue	$1,675,253	$1,688,299	$1,799,316	$1,601,999	$1,682,886	$1,767,861	$1,857,131	$1,950,912	$2,067,869	$2,191,843	$2,323,255	$2,462,552	$2,610,207	$2,766,722	$2,932,628	$3,108,491	$3,294,908	$3,492,512	$3,701,976
Total Cash Expenses	($1,761,681)	($1,900,784)	($1,973,725)	($1,811,835)	($1,907,952)	($2,009,284)	($2,116,118)	($2,228,754)	($2,347,510)	($2,472,721)	($2,604,740)	($2,743,941)	($2,890,717)	($3,045,483)	($3,208,676)	($3,380,759)	($3,562,219)	($3,753,569)	($3,955,352)
Cash Spent for Single Payment Projects or Self Help	$0	$0	$0	($32,350)	($358,964)	$0	$0	($11,273)	($37,934)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
CASH FUND TOTAL:	**$5,435,851**	**$5,223,366**	**$5,048,957**	**$4,806,771**	**$4,222,741**	**$3,981,318**	**$3,722,331**	**$3,433,216**	**$3,115,641**	**$2,834,764**	**$2,553,278**	**$2,271,889**	**$1,991,378**	**$1,712,617**	**$1,436,569**	**$1,164,301**	**$896,990**	**$635,934**	**$382,558**
SYSTEM IMPROVEMENT IMPLEMENTATION SCHEDULE																			
2016-2026 Improvement Cost				$539,362	$358,964			$1,231,478	$1,413,622	$453,757	$82,721		$1,533,603						

Table B.5 Cash Flow Analysis

Fiscal Year (July 1 through June 30)	2033	2034	2035	2036	2037
WASTEWATER SYSTEM DATA					
Annual Population Growth Rate	5.0%	5.0%	5.0%	5.0%	5.0%
Annual Inflation Rate	3.0%	3.0%	3.0%	3.0%	3.0%
Average User Rate / ERU / Month (Washington City)	$15.78	$15.93	$16.09	$16.25	$16.42
Average Impact Fee / ERU (Washington City)	$981	$981	$981	$981	$981
Inspection Fee / ERU	$150	$150	$150	$150	$150
Regional Facility Impact Fee / ERU	$909	$909	$909	$909	$909
Total ERU's at Year End	19226	20188	21197	22257	23370
New ERU's per Year	916	961	1009	1060	1113
WASTEWATER SYSTEM REVENUES					
OPERATING					
Charges for Services	$3,553,040	$3,767,999	$3,995,963	$4,237,719	$4,494,101
Inspection Fees	$138,963	$146,606	$154,669	$163,176	$172,150
Miscellaneous	$25,375	$26,770	$28,243	$29,796	$31,435
NON-OPERATING					
Interest Earnings	$206,634	$217,999	$229,989	$242,639	$255,984
Impact Fees	$897,840	$942,732	$989,869	$1,039,362	$1,091,330
Private Grants	$0	$0	$0	$0	$0
Use of Previous Year Fund Balance	$0	$0	$0	$0	$0
TOTAL OPERATING REVENUES:	**$4,821,852**	**$5,102,106**	**$5,398,732**	**$5,712,691**	**$6,045,000**
WASTEWATER SYSTEM OPERATING EXPENSES					
Salaries	$1,264,564	$1,334,115	$1,407,491	$1,484,903	$1,566,573
Employee Benefits	$793,668	$837,320	$883,373	$931,958	$983,216
Utilites	$86,755	$91,526	$96,560	$101,871	$107,474
Professional Services	$58,118	$61,314	$64,687	$68,244	$71,998
Repairs and Maintenance	$60,678	$64,015	$67,536	$71,250	$75,169
Uncollectable Accounts	$0	$0	$0	$0	$0
Miscellaneous	$17,502	$18,464	$19,480	$20,551	$21,682
Supplies	$172,141	$181,609	$191,598	$202,135	$213,253
Administrative Costs	$138,620	$141,392	$144,220	$147,104	$150,046
Capital Expenses	$1,576,094	$1,662,779	$1,754,232	$1,850,715	$1,952,504
TOTAL OPERATINGEXPENSES:	**$4,168,140**	**$4,392,536**	**$4,629,176**	**$4,878,733**	**$5,141,915**
WASTEWATER SYSTEM EXISTING DEBT SERVICE					
Sewer Revenue Bond (1999; $3,356,000; 2.0%)	$0	$0	$0	$0	$0
Reserve for 1999 Sewer Bond	$0	$0	$0	$0	$0
TOTAL EXISTING DEBT SERVICE:	**$0**	**$0**	**$0**	**$0**	**$0**
WASTEWATER SYSTEM NEW DEBT SERVICE					
Bond A	$0	$0	$0	$0	$0
Reserve for Bond A	$0	$0	$0	$0	$0
Bond B	$0	$0	$0	$0	$0
Reserve for Bond B	$0	$0	$0	$0	$0
Bond C	$0	$0	$0	$0	$0
Reserve for Bond C	$0	$0	$0	$0	$0
TOTAL NEW DEBT SERVICE:	**$0**	**$0**	**$0**	**$0**	**$0**
WASTEWATER SYSTEM EXPENSES SUMMARY					
Wastewater System O&M Expenses	$4,168,140	$4,392,536	$4,629,176	$4,878,733	$5,141,915
Wastewater System Existing Debt Service	$0	$0	$0	$0	$0
Wastewater System New Debt Service	$0	$0	$0	$0	$0
TOTAL EXPENSES:	**$4,168,140**	**$4,392,536**	**$4,629,176**	**$4,878,733**	**$5,141,915**
WASTEWATER SYSTEM CASH FLOW					
NET CASH FLOW:	**$653,712**	**$709,571**	**$769,556**	**$833,958**	**$903,085**
WASTEWATER SYSTEM IMPACT FEE FUND					
Total Impact Fee Revenue	$897,840	$942,732	$989,869	$1,039,362	$1,091,330
Impact Fees Covering Sewer Revenue Bond 1999	$0	$0	$0	$0	$0
Impact Fees Covering Bond A	$0	$0	$0	$0	$0
Impact Fees Covering Bond B	$0	$0	$0	$0	$0
Impact Fees Covering Bond C	$0	$0	$0	$0	$0
Impact Fees Spent for Single Payment Projects or Self Help	$0	$0	$0	$0	$0
Bond Reserve Payments	$0	$0	$0	$0	$0
IMPACT FEE FUND TOTAL:	**$6,993,669**	**$7,936,401**	**$8,926,270**	**$9,965,632**	**$11,056,962**
WASTEWATER SYSTEM CASH FUND					
Total Cash Revenue	$3,924,012	$4,159,374	$4,408,864	$4,673,329	$4,953,670
Total Cash Expenses	($4,168,140)	($4,392,536)	($4,629,176)	($4,878,733)	($5,141,915)
Cash Spent for Single Payment Projects or Self Help	$0	$0	$0	$0	$0
CASH FUND TOTAL:	**$138,430**	**($94,731)**	**($315,044)**	**($520,448)**	**($708,694)**
SYSTEM IMPROVEMENT IMPLEMENTATION SCHEDULI					
2016-2026 Improvement Cost					