



## 11.5 Hydrology Study

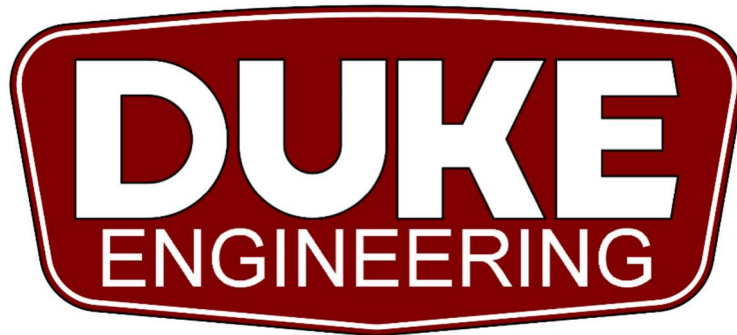
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# City of Lancaster Hydrology Study

North Annexation  
Avenue G to Avenue B &  
14 Freeway to 5<sup>th</sup> Street West  
Lancaster, CA 93534



## Prepared For:

### Northpoint Development, LLC

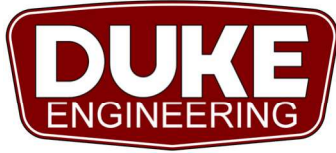
6010 W Amelia Earhart Dr  
Salt Lake City, UT 84116  
(816) 888-7380

## Prepared By:

Duke Engineering  
759 Lancaster Blvd  
Lancaster, California 93534  
Phone: (661) 952-7918

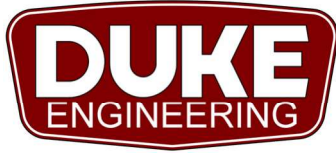


The Registered Professional Engineer Certifies that the Storm Drain Facilities have been designed in accordance with the City of Lancaster Engineering Design Guidelines Policies & Procedures.

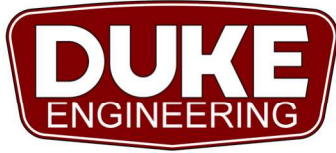


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## **1. Introduction**

The purpose of this study is to analyze the drainage conditions of an Annexation Area to the North of the existing City of Lancaster Limits. The area is to be developed as primarily Industrial Use and will be incorporated into the City's General Plan. Additionally, within the Annexation Area, a Specific Plan is being developed for a portion of the new City Limits that will be focused on Distribution Facilities.

## **2. Approach**

As per the City of Lancaster Engineering Guidelines, this study uses Los Angeles County methods and software such as the HydroCalc time of concentration calculator. HEC-RAS is used to analyze predeveloped and postdeveloped flows for hydromodification requirements. Aerial Survey and Proposed Channel Modeling are used to analyze predeveloped and post developed flows.

## **3. Project Location**

The Annexation Area starts at the southwest corner of Avenue G and 25<sup>th</sup> Street West, continues North to Avenue E, then jogs West to 30<sup>th</sup> Street West to Avenue B. From Avenue B the new City Limits Continues East to 5<sup>th</sup> Street West, then South to Avenue E. From Avenue E the City Limits Continues West to Sierra Highway, then continues South Along Sierra Highway Back to Avenue G.

The Specific Plan Area within the Annexation Area is from 20<sup>th</sup> Street West to Sierra Highway, and from Avenue D to Avenue F-8.

## **4. Project Use**

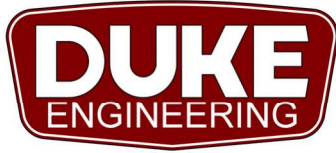
The project site will be developed for distribution and industrial buildings with associated parking, drive aisles, and truck docking areas.

## **5. Existing Conditions**

The project site and a majority of its surrounding parcels are currently undeveloped. Avenue F to the north is partially improved and 20<sup>th</sup> street west to the west is a dirt road. Within the Annexation Area there are 3 developments that are currently active. These three sites are; LA County Sanitation Ponds (Avenue D), Leisure Lake Mobile Estates (Ave E), and a Small RV Park/Single Family Residence (Ave E at Sierra Highway).

The South half of the Annexation Area is within a FEMA flood zone AO from the Amargosa Creek, indicating that a 100-year recurrence interval storm is expected to produce depths of 1' or greater in the existing condition. The tributary for this flood zone is primarily the Amargosa Creek, which has as its tributary most of Lancaster, much of Palmdale, and the undeveloped Los Angeles County area to the southwest of the two cities. The Los Angeles County Flood Insurance Study shown in Appendix XXV shows the table of flowrates as well as the FEMA panel associated with the project site.

The North half of the Annexation Area is also within a FEMA flood zone A flowing from the North West up to the Tehachapi Mountains, also indicating that a 100-year recurrence interval storm is expected to produce depths of 1' or greater in the existing condition. The tributary for this flood zone is primarily the Westerly portion of the Antelope Valley from Avenue D North to the Tehachapi Mountains, which has as its tributary most of the undeveloped Los Angeles County and Kern County area to the West of the City of



Lancaster. The Los Angeles County Flood Insurance Study shown in Appendix XXV shows the table of flowrates as well as the FEMA panel associated with the project site.

Stormwater generated South of Avenue E currently flows to the northeast. During large storm events, off-site flows enter the area along Avenue G and exits along the eastern City Boundary at 5<sup>th</sup> Street West and Avenue D-8.

Stormwater generated North of Avenue E currently flows to the southeast. During large storm events, off-site flows enter the area along 30<sup>th</sup> Street West, Crosses under the 14 Freeway and continues Southeast towards Avenue D and Sierra Highway where it then exits along the eastern City Boundary at 5<sup>th</sup> Street West and Avenue D-8.

### **5.1 Hydrologic Analysis**

While the LA County Flood Insurance Study hydrologic analysis completed in the 1980s is used later in this report for analyzing the FEMA flood zone, there was no hydrologic analysis for the Amargosa Creek that was performed using current LA County Hydrology standards. This section details the method used to calculate the 2-, 5-, 10-, 25-, and 50-year hydrographs that are tributary to the project site.

GIS data was used extensively in this analysis to ensure that calculations are as accurate as possible. Appendix II shows the terrain of the Antelope Valley, obtained from the USGS National Geospatial Program. Most of the Antelope Valley has been surveyed at a 10'x10' grid or smaller, which was used for this analysis. With this topography map as an input into HEC-HMS, the delineated subareas and reaches were created and are shown in Appendix III. The characteristics associated with these subbasins and reaches, determined using the topography, are tabulated in Appendices IV and V respectively.

In order to determine the losses associated with rainfall, the USGS Soils Type Map that covers the tributary area was used and is shown in Appendix VI. It was assumed that there were no initial losses associated with this project, and a constant loss map was created using the Army Corps of Engineers' Loss Table shown in appendix VII. The constant losses for each soils group were taken as the lowest value in the range provided by the Army Corps. Finally, the loss rate map was averaged over each subbasin to create the table shown in Appendix VII.

The User Specified S-Graph method was used to transform rainfall data into subarea outflow data. The LA County Desert S-Graph, shown in Appendix VIII, was used for this method. The program also requires an input for Lag Time; the Snyder Lag Time equation provided by the Army Corps was used to calculate the Lag Time of each subbasin. This equation is shown in Appendix IX, and the full transform table is shown in Appendix X.

The Muskingum-Cunge routing method was used to temporally route each subbasin's transformed hydrograph to the downstream junctions. The routing method requires inputs for reach length and slope which were determined using the previously mentioned reach characteristics table. In addition to these inputs, the Manning's n, and width and side slope of the channel are required. As the reaches determined by HEC-HMS are irregular and change throughout each reach, some values were assumed. In reaches where there is clear evidence of channelized flows (i.e. through improved



channels within the city or natural valley channels) manning's n was assumed to be 0.03 and a 10' wide trapezoid with 5:1 side slope is used; in reaches where it appears that flows are not well channelized (i.e. over flat desert ground), a manning's n of 0.045 is assumed and a 500' wide channel with 1000:1 side slopes is used. A map showing which reach is assumed to be channelized and which are not is shown in Appendix XI, and the summary table for all reaches is shown in Appendix XI.

Rainfall data for the entirety of LA County is available, and a map of rainfall depth associated with each storm is shown in Appendix XIV. The rainfall depth is averaged over each subbasin, and combined with the LA County Unit Hydrograph shown in Appendix XIV to determine the rainfall at each subbasin.

The LA County Hydrology Manual describes the methodology used for calculating the burned hydrograph for a subarea. However, this method uses the LA County soils values compatible with their modified rational method, which is not used for this hydrology analysis. Instead, it is assumed that the highlighted subbasins shown in Appendix XV are fully impervious to create a conservative estimate of flow rates produced by each storm. The table in Appendix XVI shows that loss rates have been removed from the subareas shown in the map.

The LA County methodology of calculating bulking flows was used to create the maximum flowrate expected for the 50-year storm. The map of Debris Production Areas is shown in Appendix XVII, and the calculation of the bulking factor is shown in Appendix XVIII. The 50-year burned hydrograph was multiplied by this bulking factor to determine the 50-year Burned and Bulked hydrograph, which is the largest storm event analyzed in this report.

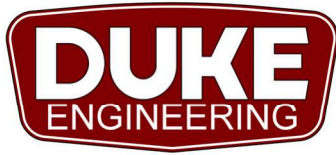
Summary tables for each storm event are shown in Appendix XIX. Reach 13 enters the site from west of the Antelope Valley Freeway, and Reach 1, the main Amargosa tributary, enters the site from the south. The locations of these reaches are also shown in Appendix XXVI.

## **6. Proposed Conditions**

The annexation area is approximately 7,160 acres. The project will construct Industrial Complexes throughout and their associated parking and driveways. The areas outside the complexes will be utilized as either landscaping or stormwater management areas. The fully developed area will create a maximum of approximately 50% Building Floor Area Ratio to Parcel Size with a minimum of 10% dedicated to Landscaping. This will create about 6,400 acres of impervious area if fully built out, which means that the site will be about 85-90% impervious. In the calculations, all areas are shown to be either 90% or 100% impervious, except for the subareas containing only drainage basins which are calculated using a 10% impervious ratio.

Each Development will contain its own storm drain and detention system. These systems will be designed during the planning stage of the entitlement process, while the unique site plans are created for each project. The required detention systems will be designed to comply with the City of Lancaster storm water management requirements. Each system will be site specific, and designed for that individual site not utilizing the master planned channels and ponds to satisfy the design specifications.

A new channel, shown Appendix II, will be constructed around the site to protect the subject area from flooding. As the ground has very little fall (slope), there is no possibility to daylight the channel to existing



ground allowing free outfall. Instead the Channels will convey the storm water North-East towards the Piute Ponds where they will overflow back into the existing drainage pattern.

Where the Annexation Channel system terminates, the pre-developed storm runoff volume will be maintained to not lessen the amount of natural storm water entering the Piute Ponds. The site of Pond 3 is designed to mitigate the additional storm water entering the Piute Ponds from the channelization of the storm water along the Amargosa Creek, and subsequent Impervious area created from Development.

## **7. Analysis**

### **7.1 Rainfall Data**

Table 1 below shows the rainfall data for the project obtained from the LA County Isohyet maps included in Appendix XXVII.

Table 1: Rainfall Data

| Information     | Project Specific Values |
|-----------------|-------------------------|
| Storm Frequency | 50-Year                 |
| Rainfall Amount | 2.6 inches              |
| Soil Number     | 120                     |

### **7.2 Upstream/Downstream Depth & Velocity Analysis**

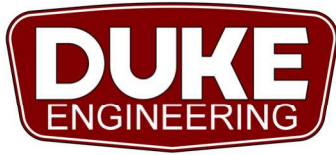
HEC-RAS two-dimensional flow analysis is used to analyze the Amargosa Creek in its predeveloped and postdeveloped conditions for the 2- through 50-year flow conditions as well as the 50-year Burned and Bulkied storm calculated in HEC-HMS. The depth and velocity maps associated with each storm for the predeveloped condition are shown in Appendices XXXII and XXXIII respectively. The same is shown in Appendices XXXIV and XXXV for the postdeveloped condition. For each of these storms, a sections along the project boundary was taken as shown in the maps. A table showing the comparisons between the predeveloped and postdeveloped storms along the project boundary is shown in Appendix XXXVI. This table shows that there is no increase in flow depth or velocity upstream of the project site to the south and west. It also shows that there will be minor changes to the downstream flow to the east, which will be accepted by the owner of the affected parcel.

#### **7.2.1 Two Dimensional Model Development**

Publicly available high resolution (10'x10') LIDAR topography is available from USGS for land in LA County. This topography was used in both the predeveloped and post developed models completed in HEC-RAS. For the post-developed model the area the within the project boundary was replaced with a new surface that reflects the essential parts of the proposed development to be modeled.

The model boundaries are west of the 14 freeway, south of Avenue G, east of Sierra





Highway, and North of Avenue D. The area within the boundary is modeled as a two-dimensional net with 100'x100' resolution in most areas to reduce complexity. Important linear such as the Amargosa Creek, roadways, and railroad tracks are made more accurate using a 30'x30' resolution. The channel surrounding the site is at a resolution of 10'x10' as it needs accurate hydraulic modeling.

There are two inflow boundary conditions in the model. The boundary condition from the south is taken from the HEC-HMS Reach 1 inflow hydrograph with a slope of 0.03%. The boundary condition from the north is taken from the HEC-HMS inflow Hydrograph. Finally, the outflow boundary condition to the northeast is set to outflow at a slope of 0.03%.

Finally, NLCD land cover information was used in conjunction with the Army Corps of Engineer's manning's number table to assign manning's values to each cell. In the post developed condition, new impervious areas are assigned a manning's value of 0.013, and the new channels are assigned a manning's value between 0.03 and 0.07.

### **7.2.2 Channel Hydraulic Analysis**

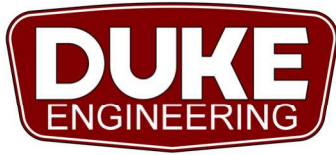
As the HEC-RAS model is a two-dimensional flow model, a section is taken perpendicular to and including the new channel that analyzes the velocity in the channel when it is at its most full. This section shows that the maximum velocity in the channel is about 2ft/sec. As the velocity in the channel is greater than 2 ft/sec, it is recommended that the channel be lined with gunnite to prevent erosion.

### **7.3 Sediment Transport Analysis**

The Los Angeles County Sedimentation Manual specifies that the Meyer-Peter, Muller Equation can be used to calculation the transportation of sediment. The HEC-RAS two dimensional hydraulic model was implement using the gradations of soil specified in the soils report in Appendix XXVIII. It was assumed that there is equilibrium at the flow boundaries in order to calculate if the project are will cause an increate in sediment downstream.

Scour of the channel itself will be combatted with gunnite as discussed aboved, and sedimentation shall be monitored so that the channel is cleared of any debris after a storm event.





## **8. Conclusion**

In conclusion, the site has been assessed and stormwater runoff has been quantified to sufficiently size the proposed storm drain improvements.

Using the information discussed in this current report, it is our opinion that this study sufficiently analyses storm drain devices to safely collect and convey storm water run-off.

Sincerely,

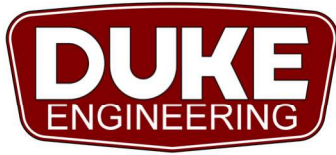
A handwritten signature in black ink, appearing to read "RD", with a long horizontal line extending to the right.

Ryan Duke P.E.

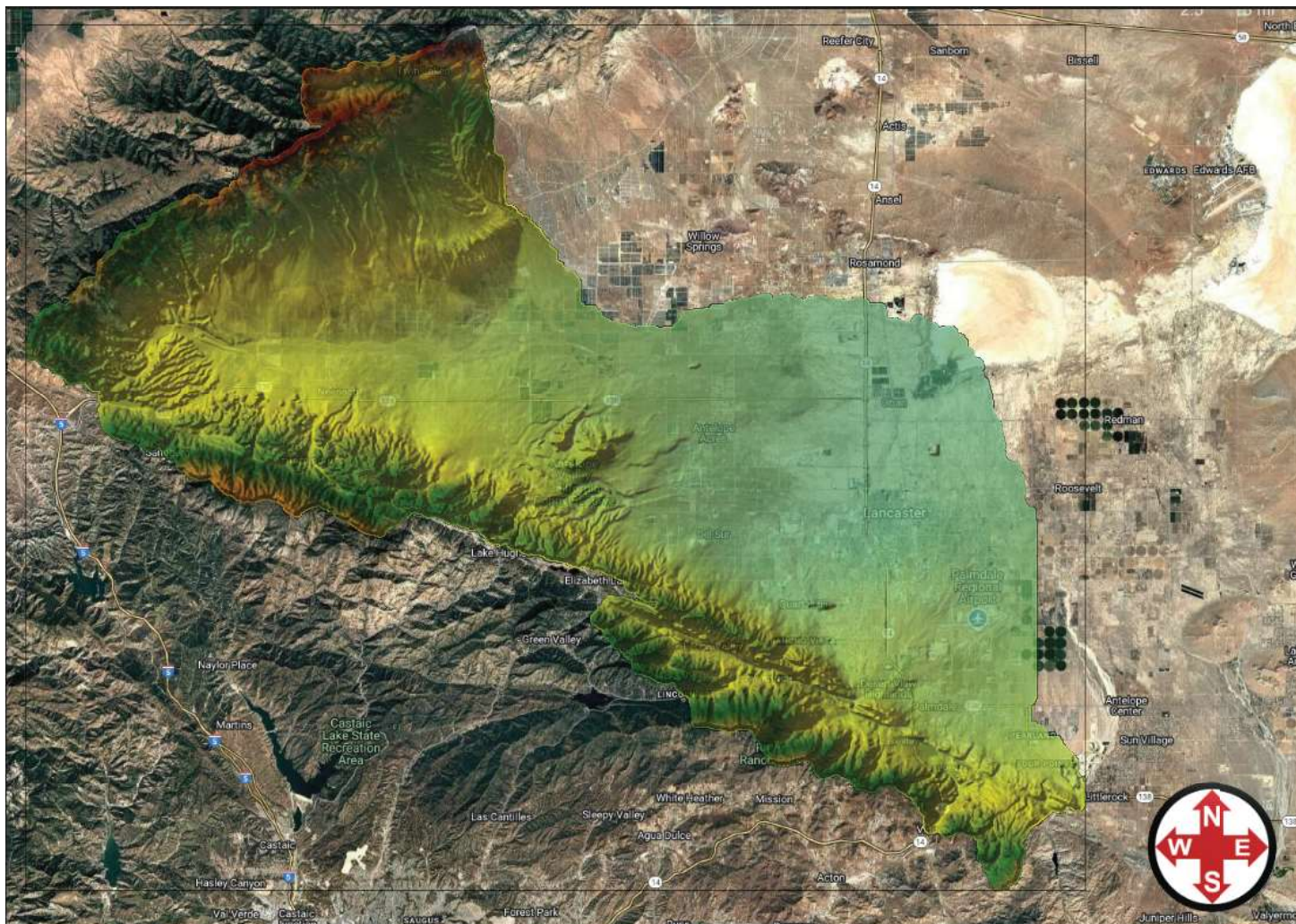
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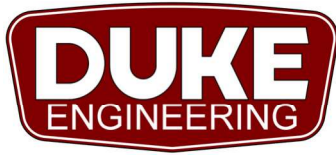
Principle Engineer





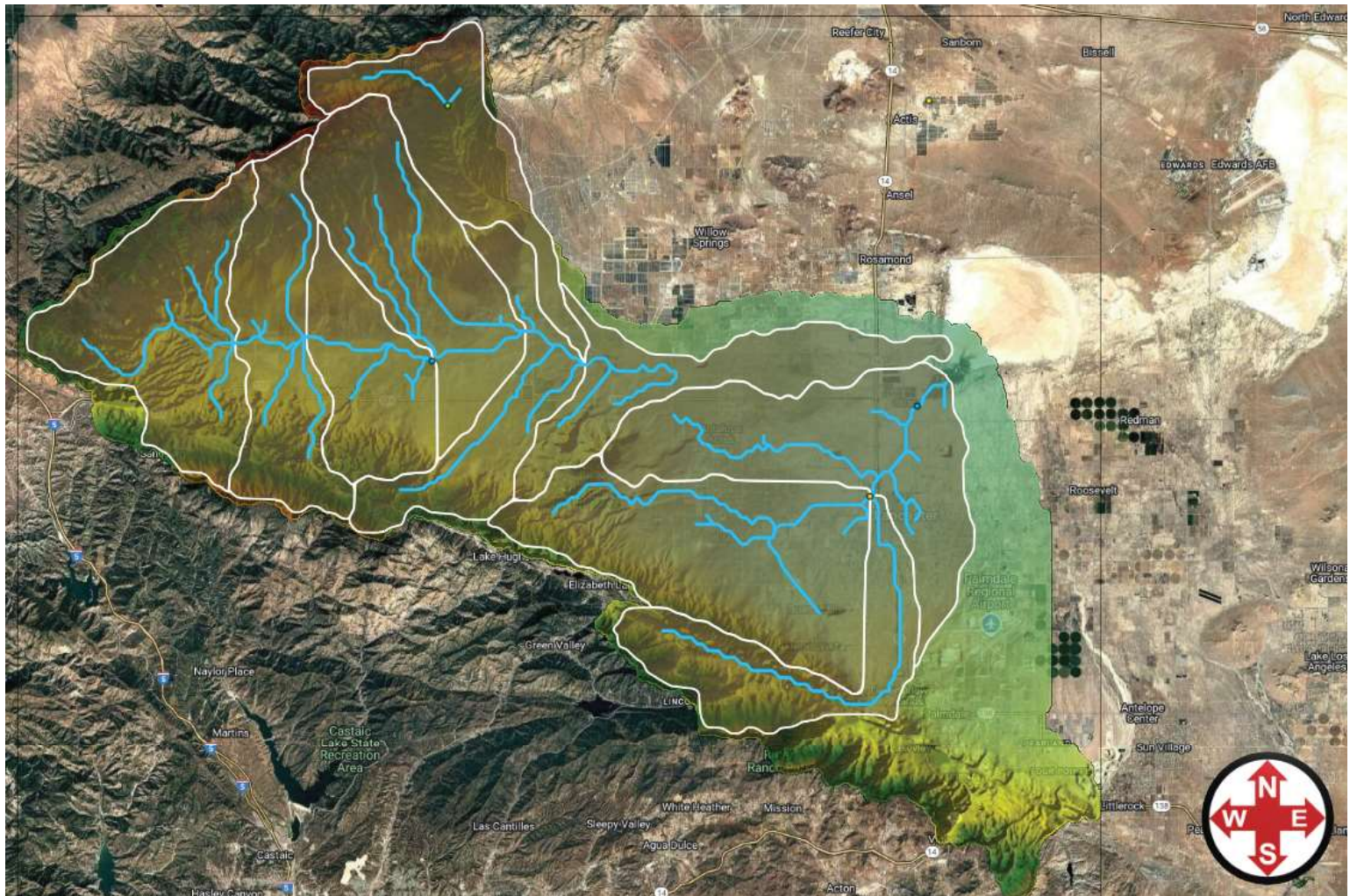
## **Appendix II: Antelope Valley Terrain Map**

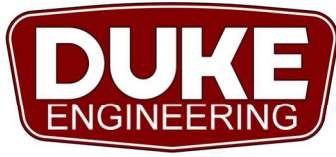




## **Appendix III: Amargosa Tributary Map**







## **Appendix IV: Subbasin Characteristics Table**

## Watershed Summary

| Subbasin ID | Drainage Area (acres) | Initial Abstraction (in) | Curve Number | Impervious Surface (%) | Lag Time (minutes) | Peak Discharge (cfs) |
|-------------|-----------------------|--------------------------|--------------|------------------------|--------------------|----------------------|
| 166         | 96.375                | 0.84                     | 70.31        | 0.54                   | 85.22              | 24.43                |
| 169         | 84.500                | 0.49                     | 80.38        | 1.19                   | 85.54              | 33.82                |
| 172         | 676.798               | 1.99                     | 50.15        | 0.80                   | 268.30             | 30.62                |
| 181         | 407.306               | 1.26                     | 61.40        | 1.16                   | 146.50             | 51.07                |
| 186         | 263.813               | 1.21                     | 62.33        | 0.40                   | 124.02             | 36.84                |
| 187         | 207.026               | 0.56                     | 78.04        | 0.45                   | 115.12             | 69.50                |
| 190         | 261.139               | 1.70                     | 54.09        | 2.19                   | 131.29             | 20.89                |
| 199         | 230.449               | 0.74                     | 73.04        | 0.32                   | 117.13             | 60.47                |
| 206         | 399.211               | 2.00                     | 50.03        | 0.67                   | 119.42             | 21.20                |
| 214         | 197.867               | 0.56                     | 78.03        | 0.51                   | 80.78              | 74.38                |
| 217         | 181.219               | 1.04                     | 65.85        | 0.49                   | 117.89             | 31.44                |
| 226         | 713.009               | 0.73                     | 73.13        | 2.28                   | 187.40             | 157.08               |
| 230         | 325.538               | 1.53                     | 56.71        | 1.12                   | 168.09             | 28.22                |
| 235         | 260.113               | 1.49                     | 57.35        | 1.31                   | 123.13             | 26.33                |
| 241         | 158.402               | 0.74                     | 72.94        | 1.29                   | 70.52              | 50.71                |
| 242         | 191.799               | 0.61                     | 76.67        | 0.83                   | 100.96             | 63.99                |
| 246         | 219.121               | 1.84                     | 52.07        | 0.55                   | 72.29              | 15.20                |
| 249         | 325.550               | 0.56                     | 78.05        | 5.82                   | 126.12             | 108.18               |
| 250         | 620.509               | 1.29                     | 60.77        | 0.53                   | 255.00             | 60.23                |
| 256         | 645.285               | 1.79                     | 52.79        | 1.51                   | 194.48             | 40.40                |
| 258         | 188.530               | 0.43                     | 82.23        | 0.00                   | 102.46             | 77.70                |
| 260         | 727.300               | 0.70                     | 73.98        | 0.74                   | 253.33             | 139.87               |
| 265         | 120.773               | 0.21                     | 90.46        | 0.00                   | 281.93             | 39.49                |
| 274         | 45.396                | 0.76                     | 72.51        | 0.34                   | 47.29              | 15.30                |
| 275         | 10.785                | 0.22                     | 89.90        | 0.00                   | 181.58             | 4.42                 |
| 276         | 291.512               | 0.67                     | 74.99        | 0.22                   | 113.02             | 85.78                |
| 282         | 420.277               | 1.70                     | 54.04        | 0.79                   | 145.37             | 30.79                |
| 283         | 421.618               | 0.96                     | 67.51        | 1.40                   | 114.55             | 84.68                |
| 284         | 118.527               | 0.52                     | 79.24        | 0.00                   | 119.45             | 40.86                |
| 290         | 135.655               | 0.30                     | 87.04        | 0.00                   | 292.64             | 38.79                |
| 293         | 12.622                | 0.26                     | 88.33        | 4.34                   | 55.39              | 7.96                 |
| 294         | 68.079                | 0.30                     | 86.85        | 0.00                   | 240.68             | 21.60                |
| 295         | 895.489               | 2.24                     | 47.19        | 0.23                   | 207.20             | 32.16                |
| 297         | 67.859                | 1.55                     | 56.35        | 2.45                   | 206.62             | 5.68                 |
| 301         | 31.565                | 0.25                     | 88.71        | 0.00                   | 137.15             | 14.19                |
| 302         | 66.365                | 0.58                     | 77.45        | 0.20                   | 77.32              | 24.95                |
| 304         | 1,041.918             | 1.08                     | 64.83        | 0.25                   | 220.57             | 136.31               |
| 305         | 168.473               | 0.38                     | 83.99        | 0.41                   | 86.38              | 77.36                |
| 310         | 324.487               | 0.78                     | 71.96        | 1.86                   | 127.06             | 77.83                |
| 313         | 39.999                | 0.29                     | 87.28        | 0.00                   | 332.00             | 10.77                |
| 320         | 173.072               | 1.97                     | 50.37        | 0.43                   | 82.51              | 10.01                |



|     |         |      |       |       |        |        |
|-----|---------|------|-------|-------|--------|--------|
| 323 | 391.517 | 1.71 | 53.92 | 0.60  | 102.50 | 30.66  |
| 329 | 210.638 | 0.92 | 68.53 | 60.00 | 76.07  | 113.83 |
| 333 | 186.538 | 0.80 | 71.50 | 60.00 | 51.59  | 110.07 |
| 334 | 212.350 | 1.28 | 61.00 | 60.00 | 100.68 | 91.76  |
| 337 | 891.241 | 2.24 | 47.22 | 0.25  | 240.53 | 31.48  |
| 340 | 186.566 | 1.03 | 66.00 | 60.00 | 103.03 | 84.65  |
| 341 | 371.304 | 1.57 | 56.05 | 60.00 | 92.75  | 157.52 |
| 342 | 379.899 | 0.66 | 75.29 | 60.00 | 135.92 | 171.60 |
| 343 | 660.944 | 1.78 | 52.96 | 60.00 | 169.91 | 217.28 |
| 346 | 222.529 | 0.72 | 73.66 | 60.00 | 111.34 | 108.07 |
| 347 | 206.105 | 3.36 | 37.34 | 0.10  | 66.70  | 2.64   |
| 348 | 479.105 | 2.03 | 49.64 | 3.00  | 107.97 | 28.73  |
| 349 | 28.964  | 1.27 | 61.17 | 0.80  | 38.73  | 5.07   |
| 350 | 102.169 | 0.33 | 85.81 | 60.00 | 135.81 | 52.23  |
| 351 | 309.689 | 0.43 | 82.16 | 60.00 | 87.95  | 180.45 |
| 352 | 493.337 | 2.30 | 46.46 | 0.07  | 106.67 | 17.76  |
| 353 | 438.515 | 1.65 | 54.83 | 0.37  | 84.30  | 37.67  |
| 354 | 491.152 | 0.88 | 69.39 | 60.00 | 120.49 | 221.32 |
| 355 | 3.289   | 2.04 | 49.45 | 0.00  | 34.75  | 0.18   |
| 356 | 161.109 | 1.89 | 51.45 | 60.00 | 72.80  | 75.66  |
| 361 | 26.911  | 1.08 | 65.00 | 60.00 | 46.62  | 14.54  |
| 362 | 153.993 | 0.69 | 74.44 | 60.00 | 63.93  | 93.30  |
| 363 | 102.427 | 0.71 | 73.87 | 60.00 | 85.64  | 54.98  |
| 364 | 261.710 | 3.16 | 38.78 | 0.00  | 96.32  | 4.07   |
| 366 | 233.252 | 1.01 | 66.49 | 60.00 | 139.84 | 93.91  |
| 367 | 17.817  | 0.65 | 75.36 | 60.00 | 49.00  | 10.91  |
| 368 | 15.682  | 1.57 | 56.02 | 0.02  | 30.59  | 1.83   |
| 370 | 207.486 | 0.41 | 83.01 | 60.00 | 176.76 | 90.72  |
| 372 | 6.493   | 1.89 | 51.36 | 0.00  | 22.06  | 0.46   |
| 373 | 167.024 | 0.56 | 78.23 | 60.00 | 124.46 | 81.89  |
| 374 | 167.950 | 1.62 | 55.22 | 60.00 | 83.47  | 75.99  |
| 382 | 26.673  | 0.82 | 71.00 | 60.00 | 48.10  | 15.48  |
| 384 | 515.348 | 2.05 | 49.44 | 60.00 | 138.28 | 182.25 |
| 386 | 265.668 | 3.40 | 37.02 | 0.02  | 78.98  | 3.20   |
| 387 | 487.792 | 3.12 | 39.10 | 1.00  | 86.03  | 8.43   |
| 388 | 214.082 | 2.00 | 50.01 | 0.12  | 101.66 | 11.33  |
| 390 | 312.127 | 1.60 | 55.59 | 60.00 | 85.76  | 139.11 |
| 392 | 524.394 | 0.58 | 77.45 | 60.00 | 165.22 | 221.15 |
| 393 | 171.125 | 3.83 | 34.28 | 1.13  | 58.75  | 1.51   |
| 394 | 139.487 | 0.67 | 74.96 | 60.00 | 88.16  | 74.34  |
| 395 | 54.009  | 0.04 | 97.85 | 60.00 | 114.74 | 33.31  |
| 396 | 112.696 | 0.45 | 81.59 | 60.00 | 95.61  | 61.47  |
| 397 | 350.511 | 2.96 | 40.33 | 0.01  | 96.31  | 6.66   |
| 398 | 604.125 | 0.37 | 84.31 | 60.00 | 149.81 | 283.65 |
| 399 | 791.489 | 1.57 | 56.07 | 60.00 | 134.16 | 297.12 |
| 400 | 201.076 | 0.56 | 78.27 | 60.00 | 102.33 | 104.51 |

|     |           |      |       |       |        |        |
|-----|-----------|------|-------|-------|--------|--------|
| 402 | 263.673   | 2.38 | 45.65 | 60.00 | 107.10 | 101.01 |
| 403 | 319.565   | 2.20 | 47.61 | 0.01  | 164.97 | 12.14  |
| 406 | 176.103   | 2.75 | 42.14 | 0.02  | 72.20  | 4.11   |
| 408 | 238.951   | 0.97 | 67.30 | 60.00 | 124.96 | 103.51 |
| 410 | 234.028   | 2.61 | 43.38 | 19.02 | 85.22  | 31.87  |
| 411 | 534.882   | 1.60 | 55.48 | 0.11  | 207.20 | 38.30  |
| 412 | 45.205    | 2.89 | 40.87 | 60.00 | 45.38  | 22.10  |
| 413 | 170.139   | 1.25 | 61.55 | 60.00 | 107.78 | 73.17  |
| 414 | 587.646   | 0.40 | 83.28 | 60.00 | 218.51 | 230.24 |
| 417 | 166.214   | 0.15 | 93.17 | 60.00 | 265.15 | 64.87  |
| 419 | 22.864    | 0.67 | 74.92 | 60.00 | 92.95  | 11.73  |
| 420 | 175.685   | 2.83 | 41.37 | 0.02  | 81.24  | 3.79   |
| 422 | 376.833   | 1.04 | 65.76 | 60.00 | 133.90 | 154.74 |
| 424 | 205.455   | 0.56 | 78.20 | 60.00 | 123.77 | 100.97 |
| 427 | 314.690   | 2.23 | 47.32 | 60.00 | 142.07 | 108.42 |
| 429 | 186.170   | 1.57 | 56.04 | 60.00 | 66.25  | 92.39  |
| 430 | 390.498   | 4.51 | 30.70 | 0.03  | 95.62  | 0.49   |
| 432 | 104.600   | 0.87 | 69.60 | 60.00 | 83.54  | 54.39  |
| 433 | 161.197   | 2.48 | 44.61 | 0.16  | 75.67  | 4.82   |
| 434 | 37.750    | 0.98 | 67.04 | 60.00 | 62.40  | 21.12  |
| 435 | 141.785   | 0.07 | 96.56 | 60.00 | 171.25 | 71.96  |
| 436 | 621.786   | 4.34 | 31.55 | 0.03  | 155.00 | 1.33   |
| 439 | 131.984   | 1.40 | 58.79 | 0.10  | 56.61  | 16.78  |
| 442 | 18.109    | 3.98 | 33.46 | 0.40  | 33.97  | 0.11   |
| 443 | 423.815   | 2.67 | 42.85 | 0.29  | 163.30 | 10.45  |
| 445 | 312.658   | 3.64 | 35.46 | 0.13  | 101.98 | 2.83   |
| 446 | 488.730   | 2.68 | 42.78 | 0.07  | 93.85  | 12.14  |
| 449 | 242.232   | 0.70 | 74.00 | 60.00 | 95.02  | 121.08 |
| 450 | 284.743   | 0.68 | 74.68 | 60.00 | 143.04 | 123.52 |
| 455 | 1,000.851 | 1.35 | 59.75 | 60.00 | 212.32 | 310.37 |
| 456 | 181.773   | 4.17 | 32.43 | 0.09  | 75.69  | 0.73   |
| 459 | 345.842   | 1.58 | 55.85 | 0.08  | 77.97  | 32.94  |
| 461 | 45.934    | 1.08 | 65.04 | 60.00 | 57.20  | 25.31  |
| 462 | 490.251   | 0.77 | 72.24 | 60.00 | 136.91 | 212.99 |
| 463 | 25.189    | 1.08 | 65.00 | 60.00 | 60.44  | 13.83  |
| 464 | 200.093   | 1.82 | 52.33 | 0.00  | 97.85  | 13.28  |
| 465 | 367.642   | 0.73 | 73.34 | 60.00 | 167.20 | 147.38 |
| 467 | 239.600   | 0.62 | 76.48 | 60.00 | 96.41  | 122.56 |
| 468 | 573.975   | 1.34 | 59.89 | 60.00 | 152.67 | 206.65 |
| 469 | 448.525   | 2.07 | 49.16 | 0.13  | 135.92 | 20.67  |
| 470 | 276.083   | 1.23 | 61.89 | 0.05  | 66.09  | 43.06  |
| 473 | 186.999   | 1.01 | 66.36 | 60.00 | 107.54 | 84.59  |
| 475 | 196.621   | 2.66 | 42.90 | 0.05  | 88.38  | 4.97   |
| 477 | 3.311     | 1.67 | 54.51 | 0.00  | 31.41  | 0.33   |
| 478 | 1,023.933 | 2.14 | 48.36 | 14.45 | 146.49 | 104.93 |
| 479 | 237.640   | 0.92 | 68.47 | 16.73 | 61.45  | 81.87  |

|     |         |      |       |       |        |        |
|-----|---------|------|-------|-------|--------|--------|
| 480 | 686.977 | 0.43 | 82.20 | 60.00 | 173.44 | 300.04 |
| 484 | 36.896  | 0.68 | 74.60 | 60.00 | 43.66  | 23.61  |
| 485 | 46.774  | 1.90 | 51.33 | 0.23  | 43.17  | 3.20   |
| 486 | 3.754   | 0.36 | 84.87 | 60.00 | 26.86  | 3.33   |
| 488 | 12.287  | 3.56 | 36.00 | 0.00  | 21.77  | 0.13   |
| 491 | 11.538  | 2.10 | 48.77 | 0.96  | 33.71  | 0.64   |
| 492 | 241.071 | 4.52 | 30.69 | 0.04  | 35.87  | 0.40   |
| 494 | 15.763  | 0.84 | 70.49 | 60.00 | 20.87  | 11.73  |
| 495 | 234.505 | 1.01 | 66.37 | 0.48  | 93.43  | 47.43  |
| 496 | 552.298 | 0.83 | 70.59 | 0.10  | 167.62 | 108.14 |
| 497 | 140.954 | 0.96 | 67.60 | 0.40  | 73.34  | 31.68  |
| 498 | 211.563 | 1.30 | 60.64 | 0.21  | 77.58  | 29.85  |
| 499 | 48.304  | 0.58 | 77.39 | 10.09 | 168.46 | 14.24  |
| 502 | 358.648 | 1.41 | 58.69 | 0.05  | 103.49 | 39.89  |
| 504 | 219.458 | 0.92 | 68.49 | 0.16  | 139.63 | 42.62  |
| 505 | 172.846 | 1.84 | 52.03 | 1.58  | 69.71  | 12.96  |
| 506 | 190.784 | 2.94 | 40.49 | 0.74  | 74.08  | 3.86   |
| 509 | 228.113 | 1.80 | 52.68 | 29.77 | 75.62  | 58.19  |
| 510 | 252.935 | 1.02 | 66.26 | 0.11  | 136.42 | 43.60  |
| 512 | 332.593 | 2.43 | 45.11 | 0.30  | 98.29  | 10.46  |
| 513 | 277.762 | 4.36 | 31.44 | 0.10  | 56.58  | 0.75   |
| 515 | 811.039 | 2.41 | 45.40 | 0.46  | 151.90 | 25.74  |
| 516 | 167.025 | 1.23 | 61.90 | 0.35  | 49.33  | 29.22  |
| 517 | 228.222 | 0.75 | 72.84 | 10.15 | 100.47 | 71.57  |
| 519 | 26.242  | 0.93 | 68.16 | 5.43  | 100.00 | 6.30   |
| 520 | 361.309 | 2.95 | 40.44 | 0.42  | 102.91 | 7.08   |
| 522 | 314.172 | 0.62 | 76.28 | 0.94  | 122.10 | 94.53  |
| 523 | 121.152 | 1.42 | 58.52 | 1.43  | 61.37  | 15.67  |
| 524 | 120.147 | 0.73 | 73.32 | 2.75  | 141.30 | 30.43  |
| 526 | 3.935   | 1.11 | 64.27 | 0.00  | 37.79  | 0.84   |
| 527 | 258.186 | 1.79 | 52.80 | 0.60  | 114.71 | 17.66  |
| 528 | 58.460  | 1.84 | 52.15 | 0.46  | 59.84  | 4.26   |
| 529 | 338.692 | 1.96 | 50.56 | 0.00  | 54.49  | 20.47  |
| 530 | 3.159   | 0.89 | 69.26 | 0.13  | 27.04  | 0.97   |
| 531 | 736.663 | 1.48 | 57.53 | 0.44  | 181.65 | 64.49  |
| 534 | 136.653 | 1.13 | 63.83 | 0.02  | 83.81  | 23.72  |
| 535 | 5.685   | 1.07 | 65.06 | 0.00  | 41.59  | 1.27   |
| 536 | 233.435 | 1.69 | 54.13 | 0.00  | 22.00  | 22.77  |
| 538 | 280.177 | 3.58 | 35.82 | 0.01  | 45.71  | 2.76   |
| 543 | 149.543 | 1.33 | 59.99 | 0.31  | 94.65  | 19.19  |
| 544 | 193.680 | 2.84 | 41.31 | 0.00  | 58.28  | 4.17   |
| 545 | 178.553 | 2.30 | 46.52 | 0.29  | 68.63  | 6.87   |
| 547 | 262.378 | 3.89 | 33.96 | 3.75  | 49.76  | 7.54   |
| 548 | 192.734 | 1.06 | 65.45 | 0.10  | 103.64 | 34.82  |
| 550 | 181.744 | 1.27 | 61.17 | 0.07  | 99.58  | 24.68  |
| 552 | 185.666 | 2.78 | 41.87 | 0.00  | 22.19  | 4.25   |

|     |         |      |       |       |        |        |
|-----|---------|------|-------|-------|--------|--------|
| 554 | 495.459 | 0.96 | 67.46 | 0.65  | 190.25 | 80.48  |
| 555 | 201.424 | 1.28 | 61.02 | 0.10  | 134.56 | 24.80  |
| 559 | 177.597 | 2.92 | 40.66 | 0.05  | 52.39  | 3.56   |
| 560 | 15.953  | 2.77 | 41.95 | 0.09  | 25.30  | 0.37   |
| 561 | 527.698 | 1.15 | 63.48 | 60.00 | 112.16 | 229.25 |
| 562 | 521.178 | 1.71 | 53.88 | 0.00  | 43.77  | 44.88  |
| 565 | 261.842 | 0.68 | 74.55 | 60.00 | 121.45 | 124.56 |
| 567 | 260.685 | 1.31 | 60.46 | 60.00 | 87.61  | 119.23 |
| 569 | 334.138 | 1.06 | 65.31 | 60.00 | 166.59 | 123.26 |
| 570 | 473.598 | 2.47 | 44.73 | 0.42  | 98.62  | 14.38  |
| 572 | 211.876 | 2.49 | 44.55 | 0.07  | 67.68  | 6.26   |
| 573 | 257.652 | 2.49 | 44.56 | 0.00  | 27.53  | 7.95   |
| 574 | 218.869 | 1.10 | 64.48 | 0.23  | 133.13 | 34.33  |
| 576 | 162.104 | 0.97 | 67.37 | 60.00 | 85.92  | 80.61  |
| 579 | 78.098  | 1.42 | 58.47 | 0.00  | 12.64  | 11.26  |
| 580 | 36.240  | 0.91 | 68.66 | 1.39  | 70.17  | 9.16   |
| 581 | 187.034 | 1.46 | 57.88 | 0.59  | 57.80  | 22.52  |
| 582 | 204.872 | 0.92 | 68.47 | 60.00 | 45.49  | 117.67 |
| 584 | 624.604 | 4.30 | 31.74 | 1.21  | 56.95  | 5.89   |
| 587 | 163.133 | 0.88 | 69.41 | 60.00 | 133.60 | 69.73  |
| 590 | 234.792 | 0.70 | 74.15 | 60.00 | 92.81  | 119.50 |
| 591 | 2.943   | 4.58 | 30.41 | 0.02  | 22.77  | 0.00   |
| 592 | 497.494 | 1.12 | 64.09 | 60.00 | 163.99 | 182.34 |
| 593 | 106.945 | 1.04 | 65.73 | 0.00  | 119.24 | 18.31  |
| 594 | 5.947   | 4.67 | 30.00 | 0.00  | 24.89  | 0.00   |
| 595 | 161.838 | 1.03 | 66.04 | 0.27  | 93.46  | 31.83  |
| 596 | 272.666 | 2.03 | 49.60 | 0.00  | 25.61  | 15.66  |
| 597 | 1.641   | 3.65 | 35.40 | 0.29  | 23.50  | 0.02   |
| 604 | 537.064 | 1.14 | 63.79 | 60.00 | 236.85 | 164.57 |
| 606 | 507.207 | 2.70 | 42.52 | 0.00  | 70.73  | 12.36  |
| 609 | 215.035 | 0.23 | 89.50 | 27.68 | 102.41 | 118.78 |
| 610 | 166.496 | 1.82 | 52.38 | 0.00  | 20.71  | 13.27  |
| 611 | 720.564 | 1.09 | 64.81 | 0.71  | 215.92 | 95.42  |
| 613 | 295.080 | 0.97 | 67.44 | 60.00 | 132.91 | 123.76 |
| 614 | 398.451 | 0.82 | 70.93 | 60.00 | 161.83 | 157.57 |
| 616 | 327.311 | 1.93 | 50.94 | 60.00 | 88.31  | 138.99 |
| 617 | 642.111 | 0.85 | 70.12 | 4.01  | 145.05 | 142.11 |
| 618 | 195.015 | 1.86 | 51.84 | 0.00  | 34.96  | 13.93  |
| 619 | 447.857 | 1.84 | 52.11 | 0.10  | 114.29 | 28.23  |
| 625 | 13.993  | 3.67 | 35.28 | 0.00  | 28.41  | 0.12   |
| 626 | 271.505 | 3.12 | 39.03 | 0.05  | 33.97  | 4.48   |
| 627 | 165.595 | 1.42 | 58.55 | 1.10  | 63.62  | 21.18  |
| 629 | 489.164 | 3.97 | 33.52 | 0.00  | 38.66  | 2.82   |
| 630 | 511.480 | 0.83 | 70.74 | 60.00 | 253.10 | 160.50 |
| 632 | 196.453 | 2.75 | 42.10 | 0.33  | 67.98  | 4.65   |
| 633 | 209.125 | 2.22 | 47.37 | 0.00  | 20.95  | 9.21   |

|     |         |      |       |       |        |        |
|-----|---------|------|-------|-------|--------|--------|
| 636 | 174.640 | 0.88 | 69.34 | 60.00 | 81.09  | 92.26  |
| 638 | 859.294 | 1.90 | 51.29 | 60.00 | 148.92 | 292.20 |
| 640 | 125.413 | 3.90 | 33.89 | 0.00  | 45.29  | 0.80   |
| 642 | 279.046 | 3.47 | 36.54 | 0.00  | 40.19  | 3.15   |
| 643 | 376.708 | 0.86 | 69.83 | 60.00 | 209.59 | 129.57 |
| 644 | 202.778 | 2.52 | 44.20 | 0.11  | 23.72  | 6.02   |
| 645 | 278.898 | 2.31 | 46.38 | 0.91  | 72.62  | 10.97  |
| 647 | 626.562 | 1.95 | 50.69 | 0.15  | 93.11  | 35.75  |
| 648 | 545.580 | 1.69 | 54.22 | 60.00 | 128.56 | 206.67 |
| 649 | 32.354  | 0.45 | 81.69 | 60.00 | 38.95  | 24.45  |
| 650 | 294.827 | 2.08 | 49.04 | 60.00 | 117.62 | 112.24 |
| 651 | 281.515 | 1.63 | 55.10 | 60.00 | 102.40 | 115.15 |
| 653 | 715.095 | 0.96 | 67.60 | 60.00 | 203.13 | 242.65 |
| 654 | 128.387 | 0.85 | 70.14 | 60.00 | 57.40  | 74.91  |
| 655 | 370.341 | 1.79 | 52.72 | 0.07  | 24.17  | 31.07  |
| 657 | 33.722  | 4.46 | 30.95 | 0.00  | 37.63  | 0.07   |
| 658 | 354.845 | 3.04 | 39.67 | 0.05  | 38.66  | 6.35   |
| 659 | 198.242 | 4.20 | 32.27 | 0.08  | 37.98  | 0.77   |
| 660 | 330.771 | 0.55 | 78.35 | 60.00 | 111.68 | 169.39 |
| 661 | 39.362  | 3.10 | 39.25 | 0.00  | 17.37  | 0.66   |
| 662 | 38.488  | 0.30 | 86.99 | 60.00 | 56.03  | 27.17  |
| 663 | 285.773 | 2.49 | 44.58 | 60.00 | 81.68  | 124.51 |
| 664 | 30.190  | 0.28 | 87.61 | 60.00 | 44.30  | 22.47  |
| 665 | 441.044 | 2.13 | 48.44 | 60.00 | 113.19 | 169.34 |
| 666 | 688.174 | 1.93 | 50.85 | 0.06  | 42.01  | 44.66  |
| 667 | 601.849 | 1.79 | 52.81 | 60.00 | 227.29 | 172.12 |
| 668 | 141.041 | 0.93 | 68.36 | 60.00 | 131.79 | 60.03  |
| 669 | 74.567  | 0.28 | 87.75 | 60.00 | 65.64  | 52.43  |
| 671 | 560.074 | 3.06 | 39.52 | 0.02  | 68.40  | 9.74   |
| 672 | 12.117  | 2.46 | 44.87 | 0.86  | 32.47  | 0.41   |
| 673 | 426.226 | 2.93 | 40.54 | 0.05  | 44.29  | 8.46   |
| 674 | 117.431 | 2.91 | 40.70 | 0.18  | 42.37  | 2.39   |
| 675 | 374.188 | 0.84 | 70.41 | 60.00 | 101.35 | 178.46 |
| 676 | 34.696  | 0.65 | 75.56 | 0.00  | 10.03  | 15.66  |
| 677 | 451.689 | 0.81 | 71.23 | 60.00 | 186.02 | 168.63 |
| 678 | 345.137 | 1.97 | 50.38 | 0.00  | 19.87  | 21.48  |
| 680 | 10.055  | 4.14 | 32.57 | 0.00  | 29.40  | 0.04   |
| 681 | 69.342  | 1.48 | 57.45 | 0.03  | 68.48  | 7.82   |
| 683 | 119.755 | 1.22 | 62.06 | 0.00  | 12.61  | 22.52  |
| 685 | 556.458 | 0.95 | 67.74 | 0.02  | 21.88  | 153.61 |
| 686 | 369.367 | 1.33 | 60.00 | 60.00 | 178.79 | 125.94 |
| 687 | 31.299  | 0.36 | 84.89 | 60.00 | 25.88  | 27.79  |
| 688 | 531.987 | 1.62 | 55.26 | 0.09  | 29.72  | 58.06  |
| 689 | 264.855 | 0.77 | 72.28 | 0.43  | 15.75  | 99.79  |
| 691 | 8.338   | 0.73 | 73.29 | 60.00 | 98.51  | 4.11   |
| 692 | 177.664 | 3.54 | 36.07 | 0.15  | 53.50  | 1.86   |

|     |         |      |       |       |        |        |
|-----|---------|------|-------|-------|--------|--------|
| 693 | 433.435 | 3.25 | 38.09 | 0.19  | 46.37  | 6.31   |
| 694 | 432.729 | 1.69 | 54.14 | 60.00 | 118.88 | 169.64 |
| 695 | 391.765 | 2.24 | 47.22 | 3.60  | 62.53  | 20.98  |
| 697 | 204.468 | 2.06 | 49.22 | 60.00 | 123.49 | 76.49  |
| 698 | 264.987 | 0.89 | 69.23 | 0.00  | 19.55  | 81.26  |
| 699 | 194.219 | 1.73 | 53.67 | 0.00  | 32.32  | 17.54  |
| 701 | 528.614 | 2.27 | 46.81 | 60.00 | 115.90 | 200.01 |
| 702 | 4.408   | 0.18 | 91.76 | 60.00 | 28.58  | 4.24   |
| 703 | 657.855 | 1.55 | 56.40 | 60.00 | 150.46 | 230.36 |
| 704 | 234.399 | 0.79 | 71.56 | 0.42  | 14.24  | 84.97  |
| 705 | 210.415 | 0.96 | 67.49 | 60.00 | 65.32  | 117.45 |
| 707 | 18.727  | 1.05 | 65.47 | 2.67  | 8.92   | 4.71   |
| 708 | 477.663 | 2.65 | 43.04 | 60.00 | 136.23 | 166.52 |
| 709 | 191.565 | 1.59 | 55.71 | 0.00  | 38.41  | 20.42  |
| 710 | 87.140  | 0.90 | 69.08 | 60.00 | 108.87 | 40.44  |
| 711 | 264.496 | 2.13 | 48.40 | 60.00 | 260.15 | 67.96  |
| 713 | 186.872 | 0.58 | 77.46 | 0.01  | 13.09  | 93.31  |
| 714 | 208.587 | 1.57 | 56.08 | 60.00 | 104.85 | 85.71  |
| 715 | 134.504 | 0.35 | 85.19 | 60.00 | 48.28  | 91.47  |
| 716 | 70.794  | 1.22 | 62.04 | 60.00 | 86.02  | 33.30  |
| 717 | 268.234 | 3.07 | 39.41 | 0.06  | 61.54  | 4.63   |
| 719 | 312.390 | 1.26 | 61.27 | 60.00 | 152.95 | 113.94 |
| 720 | 169.748 | 0.35 | 84.95 | 60.00 | 129.44 | 88.27  |
| 721 | 426.922 | 0.60 | 76.79 | 0.03  | 18.37  | 206.41 |
| 722 | 426.501 | 0.91 | 68.84 | 60.00 | 139.87 | 175.96 |
| 723 | 65.515  | 3.06 | 39.54 | 0.07  | 41.84  | 1.15   |
| 724 | 65.053  | 0.78 | 71.91 | 60.00 | 114.90 | 30.70  |
| 725 | 609.202 | 2.14 | 48.30 | 60.00 | 119.87 | 229.48 |
| 726 | 108.355 | 1.19 | 62.60 | 60.00 | 71.61  | 56.13  |
| 727 | 218.353 | 0.34 | 85.43 | 60.00 | 79.06  | 141.37 |
| 728 | 259.979 | 0.64 | 75.77 | 0.02  | 20.56  | 118.85 |
| 729 | 11.198  | 0.66 | 75.20 | 60.00 | 35.66  | 8.18   |
| 730 | 462.858 | 0.63 | 76.04 | 0.01  | 25.43  | 214.69 |
| 731 | 193.342 | 2.12 | 48.54 | 0.06  | 33.27  | 9.77   |
| 732 | 24.684  | 0.51 | 79.77 | 60.00 | 105.97 | 12.98  |
| 733 | 1.683   | 0.50 | 80.13 | 60.00 | 30.83  | 1.39   |
| 735 | 253.277 | 2.23 | 47.29 | 0.03  | 51.72  | 10.78  |
| 736 | 61.086  | 0.56 | 78.02 | 60.00 | 296.48 | 19.20  |
| 737 | 348.782 | 2.23 | 47.27 | 0.55  | 70.36  | 14.79  |
| 738 | 505.246 | 2.09 | 48.91 | 0.03  | 31.94  | 26.70  |
| 739 | 77.199  | 0.71 | 73.74 | 60.00 | 203.94 | 27.92  |
| 740 | 228.827 | 0.76 | 72.44 | 1.25  | 15.80  | 88.49  |
| 741 | 307.059 | 2.08 | 49.07 | 60.00 | 112.48 | 118.47 |
| 742 | 96.413  | 0.96 | 67.50 | 60.00 | 63.67  | 54.06  |
| 743 | 589.261 | 1.11 | 64.21 | 0.06  | 32.67  | 126.86 |
| 744 | 27.417  | 2.45 | 44.97 | 60.00 | 42.02  | 14.22  |

|     |           |      |       |       |        |        |
|-----|-----------|------|-------|-------|--------|--------|
| 745 | 468.901   | 1.00 | 66.66 | 0.24  | 20.13  | 119.50 |
| 746 | 1,015.535 | 0.81 | 71.07 | 0.06  | 49.44  | 317.80 |
| 747 | 110.246   | 0.44 | 82.03 | 60.00 | 53.65  | 73.56  |
| 748 | 707.409   | 2.10 | 48.74 | 0.13  | 68.59  | 34.75  |
| 749 | 98.854    | 2.88 | 41.01 | 0.02  | 27.38  | 2.06   |
| 750 | 117.147   | 1.45 | 58.04 | 2.85  | 39.07  | 17.36  |
| 751 | 307.815   | 0.87 | 69.79 | 60.00 | 94.79  | 146.65 |
| 752 | 95.278    | 0.57 | 77.82 | 60.00 | 68.41  | 59.25  |
| 753 | 614.495   | 0.84 | 70.49 | 0.34  | 24.18  | 206.53 |
| 754 | 339.657   | 1.82 | 52.30 | 0.57  | 89.62  | 23.75  |
| 755 | 184.425   | 1.37 | 59.40 | 60.00 | 90.77  | 81.55  |
| 756 | 194.557   | 2.65 | 43.02 | 0.04  | 36.05  | 5.00   |
| 757 | 328.073   | 0.79 | 71.58 | 0.96  | 20.36  | 120.17 |
| 758 | 212.347   | 0.73 | 73.25 | 60.00 | 117.17 | 101.01 |
| 759 | 133.153   | 1.42 | 58.50 | 0.03  | 28.10  | 19.24  |
| 760 | 1.631     | 2.90 | 40.84 | 0.00  | 18.41  | 0.03   |
| 761 | 231.443   | 0.39 | 83.72 | 60.00 | 121.68 | 122.15 |
| 762 | 354.485   | 0.39 | 83.85 | 60.00 | 112.50 | 192.66 |
| 763 | 11.684    | 0.87 | 69.61 | 60.00 | 195.65 | 4.15   |
| 764 | 300.976   | 1.05 | 65.67 | 0.01  | 28.48  | 70.47  |
| 765 | 30.965    | 2.55 | 43.94 | 0.72  | 29.81  | 0.93   |
| 766 | 177.362   | 0.38 | 84.12 | 60.00 | 78.74  | 113.26 |
| 767 | 11.031    | 0.65 | 75.33 | 60.00 | 41.88  | 7.36   |
| 768 | 43.441    | 0.79 | 71.59 | 60.00 | 47.72  | 25.35  |
| 769 | 206.815   | 1.83 | 52.27 | 0.63  | 73.96  | 14.59  |
| 770 | 16.706    | 0.79 | 71.78 | 60.00 | 46.27  | 9.82   |
| 771 | 8.848     | 0.70 | 74.03 | 60.00 | 38.63  | 6.11   |
| 772 | 197.261   | 1.92 | 50.98 | 0.06  | 26.48  | 13.32  |
| 773 | 6.472     | 0.80 | 71.53 | 60.00 | 32.59  | 4.72   |
| 774 | 3.486     | 0.69 | 74.31 | 60.00 | 35.27  | 2.53   |
| 775 | 778.624   | 0.89 | 69.30 | 0.45  | 39.71  | 222.27 |
| 776 | 139.329   | 0.51 | 79.71 | 60.00 | 74.36  | 86.52  |
| 777 | 171.017   | 0.36 | 84.83 | 60.00 | 66.54  | 116.06 |
| 778 | 166.693   | 0.83 | 70.68 | 60.00 | 84.42  | 87.09  |
| 779 | 18.670    | 0.96 | 67.59 | 60.00 | 59.82  | 10.56  |
| 780 | 228.820   | 0.92 | 68.47 | 60.00 | 79.73  | 120.83 |
| 781 | 225.345   | 0.38 | 83.97 | 60.00 | 117.90 | 120.84 |
| 782 | 193.617   | 0.48 | 80.78 | 60.00 | 63.59  | 126.36 |
| 783 | 251.501   | 0.52 | 79.47 | 60.00 | 92.91  | 136.36 |
| 784 | 278.079   | 1.19 | 62.78 | 0.26  | 23.77  | 54.93  |
| 785 | 226.099   | 0.96 | 67.65 | 60.00 | 44.57  | 130.84 |
| 786 | 240.348   | 0.55 | 78.29 | 60.00 | 93.37  | 128.13 |
| 787 | 231.850   | 0.37 | 84.47 | 60.00 | 79.29  | 148.15 |
| 788 | 211.525   | 1.72 | 53.78 | 23.85 | 48.31  | 50.88  |
| 789 | 295.941   | 1.27 | 61.07 | 0.22  | 30.11  | 52.35  |
| 790 | 199.075   | 0.31 | 86.46 | 60.00 | 91.01  | 119.33 |



|     |         |      |       |       |        |        |
|-----|---------|------|-------|-------|--------|--------|
| 791 | 5.674   | 0.83 | 70.73 | 0.00  | 21.47  | 1.92   |
| 792 | 294.302 | 0.91 | 68.74 | 60.00 | 74.50  | 160.74 |
| 793 | 342.163 | 1.37 | 59.39 | 0.00  | 29.77  | 52.89  |
| 794 | 155.007 | 0.33 | 85.80 | 60.00 | 57.92  | 108.03 |
| 795 | 856.680 | 0.95 | 67.89 | 0.08  | 31.30  | 233.34 |
| 796 | 205.400 | 0.78 | 71.99 | 60.00 | 75.04  | 116.09 |
| 797 | 7.103   | 2.25 | 47.04 | 0.49  | 18.32  | 0.31   |
| 798 | 39.143  | 1.08 | 65.02 | 60.00 | 65.42  | 21.24  |
| 799 | 225.937 | 2.97 | 40.24 | 0.06  | 27.98  | 4.34   |
| 800 | 229.930 | 0.78 | 71.90 | 60.00 | 67.64  | 133.86 |
| 801 | 267.028 | 0.92 | 68.61 | 60.00 | 75.46  | 144.84 |
| 802 | 203.732 | 0.75 | 72.84 | 60.00 | 66.01  | 120.47 |
| 803 | 346.023 | 1.46 | 57.85 | 0.01  | 24.09  | 47.31  |
| 804 | 343.101 | 1.37 | 59.29 | 60.00 | 31.24  | 222.52 |
| 805 | 39.523  | 0.72 | 73.41 | 60.00 | 25.44  | 30.50  |
| 806 | 162.287 | 1.42 | 58.54 | 60.00 | 78.59  | 77.99  |
| 807 | 207.055 | 0.34 | 85.65 | 60.00 | 59.20  | 143.87 |
| 808 | 576.302 | 0.79 | 71.69 | 60.00 | 129.73 | 256.80 |
| 809 | 33.597  | 0.74 | 72.98 | 60.00 | 29.24  | 25.78  |
| 810 | 20.093  | 0.84 | 70.46 | 60.00 | 30.23  | 14.91  |
| 811 | 352.638 | 1.64 | 54.91 | 0.19  | 31.55  | 37.09  |
| 812 | 611.576 | 0.97 | 67.45 | 60.00 | 81.53  | 314.91 |
| 813 | 21.020  | 2.03 | 49.65 | 60.00 | 35.59  | 12.07  |
| 814 | 102.231 | 0.60 | 76.96 | 60.00 | 33.61  | 78.55  |
| 815 | 49.891  | 1.48 | 57.53 | 60.00 | 28.15  | 32.32  |
| 816 | 213.938 | 1.40 | 58.80 | 60.00 | 76.13  | 104.59 |
| 817 | 367.935 | 2.20 | 47.67 | 0.09  | 38.72  | 16.61  |
| 818 | 32.213  | 0.67 | 75.03 | 60.00 | 32.71  | 24.46  |
| 819 | 173.184 | 2.71 | 42.46 | 60.00 | 41.33  | 90.80  |
| 820 | 42.159  | 0.87 | 69.80 | 60.00 | 28.10  | 31.12  |
| 821 | 310.334 | 1.44 | 58.06 | 60.00 | 63.98  | 157.76 |
| 822 | 473.632 | 1.20 | 62.53 | 60.00 | 77.89  | 237.50 |
| 823 | 264.578 | 2.41 | 45.38 | 2.02  | 36.50  | 10.36  |
| 824 | 154.638 | 1.30 | 60.67 | 60.00 | 53.33  | 81.32  |
| 825 | 220.477 | 2.69 | 42.66 | 60.00 | 77.20  | 98.41  |
| 826 | 878.499 | 0.76 | 72.49 | 60.00 | 106.57 | 425.40 |
| 827 | 239.648 | 1.60 | 55.50 | 60.00 | 55.03  | 120.38 |
| 828 | 231.137 | 2.39 | 45.56 | 60.00 | 50.58  | 108.04 |
| 829 | 20.610  | 2.14 | 48.33 | 13.47 | 14.83  | 2.98   |
| 830 | 208.280 | 1.97 | 50.36 | 60.00 | 77.84  | 94.94  |
| 831 | 654.905 | 1.16 | 63.29 | 60.00 | 142.82 | 251.81 |
| 832 | 334.554 | 0.48 | 80.71 | 60.00 | 88.24  | 190.96 |
| 833 | 629.085 | 0.83 | 70.72 | 60.00 | 103.92 | 299.95 |
| 834 | 505.566 | 2.14 | 48.31 | 0.44  | 27.46  | 25.67  |
| 835 | 596.618 | 0.60 | 77.06 | 60.00 | 120.73 | 292.57 |
| 836 | 861.817 | 1.13 | 63.85 | 60.00 | 149.15 | 324.20 |

|     |         |      |       |       |        |        |
|-----|---------|------|-------|-------|--------|--------|
| 837 | 249.320 | 1.52 | 56.77 | 0.15  | 15.62  | 31.43  |
| 838 | 303.175 | 2.30 | 46.46 | 60.00 | 85.86  | 128.80 |
| 839 | 161.290 | 2.01 | 49.90 | 60.00 | 53.24  | 77.61  |
| 840 | 405.056 | 1.48 | 57.45 | 60.00 | 53.75  | 206.72 |
| 842 | 169.859 | 1.80 | 52.64 | 1.26  | 14.40  | 15.24  |
| 843 | 292.526 | 1.59 | 55.74 | 1.28  | 15.40  | 35.31  |
| 844 | 209.320 | 1.63 | 55.07 | 60.00 | 60.17  | 104.48 |
| 845 | 240.310 | 1.27 | 61.23 | 60.00 | 29.05  | 161.16 |
| 847 | 197.578 | 1.64 | 55.01 | 60.00 | 69.64  | 96.15  |
| 848 | 21.567  | 1.36 | 59.61 | 60.00 | 30.67  | 14.12  |
| 849 | 179.189 | 0.94 | 67.94 | 60.00 | 43.35  | 106.55 |
| 851 | 313.580 | 2.83 | 41.38 | 60.00 | 17.69  | 191.56 |
| 852 | 241.337 | 2.33 | 46.17 | 0.06  | 16.45  | 9.30   |
| 854 | 219.017 | 1.71 | 53.96 | 60.00 | 60.71  | 108.25 |
| 855 | 634.368 | 1.45 | 58.01 | 0.22  | 29.38  | 88.64  |
| 856 | 198.686 | 2.79 | 41.76 | 60.00 | 72.09  | 90.50  |
| 857 | 171.356 | 2.25 | 47.06 | 60.00 | 74.92  | 78.11  |
| 858 | 189.032 | 1.96 | 50.51 | 0.05  | 15.90  | 11.95  |
| 859 | 20.774  | 1.09 | 64.71 | 0.05  | 10.54  | 4.62   |
| 860 | 227.793 | 2.15 | 48.21 | 60.00 | 68.17  | 106.86 |
| 861 | 582.360 | 1.16 | 63.27 | 60.00 | 67.38  | 308.42 |
| 863 | 532.029 | 1.29 | 60.78 | 60.00 | 41.57  | 302.37 |
| 864 | 232.128 | 1.29 | 60.76 | 60.00 | 34.45  | 146.33 |
| 865 | 605.837 | 2.87 | 41.05 | 60.00 | 81.37  | 263.41 |
| 866 | 346.522 | 2.46 | 44.87 | 0.90  | 19.03  | 11.91  |
| 867 | 835.325 | 1.46 | 57.74 | 60.00 | 48.15  | 421.40 |
| 868 | 347.178 | 2.52 | 44.21 | 60.00 | 60.37  | 163.13 |
| 869 | 372.974 | 2.37 | 45.78 | 60.00 | 54.05  | 175.98 |
| 870 | 164.463 | 1.24 | 61.76 | 0.04  | 12.47  | 30.24  |
| 871 | 6.152   | 1.67 | 54.49 | 60.00 | 19.99  | 3.90   |
| 872 | 228.799 | 1.53 | 56.69 | 0.25  | 23.29  | 28.65  |
| 873 | 20.172  | 1.31 | 60.36 | 60.00 | 19.13  | 13.42  |
| 874 | 411.899 | 2.21 | 47.53 | 60.00 | 81.49  | 181.15 |
| 875 | 410.528 | 1.53 | 56.72 | 60.00 | 200.99 | 126.58 |
| 876 | 347.009 | 2.75 | 42.11 | 60.00 | 106.87 | 131.42 |
| 877 | 187.327 | 2.41 | 45.40 | 1.53  | 16.71  | 7.16   |
| 879 | 271.903 | 1.85 | 51.95 | 60.00 | 22.68  | 169.56 |
| 880 | 263.299 | 1.89 | 51.44 | 60.00 | 38.63  | 146.19 |
| 882 | 518.536 | 3.22 | 38.35 | 60.00 | 72.00  | 236.03 |
| 883 | 772.933 | 1.45 | 58.01 | 60.00 | 92.08  | 334.52 |
| 884 | 412.653 | 2.36 | 45.91 | 60.00 | 90.10  | 169.71 |
| 885 | 208.349 | 0.88 | 69.42 | 60.00 | 16.22  | 153.23 |
| 886 | 175.008 | 0.72 | 73.56 | 60.00 | 13.63  | 135.20 |
| 888 | 198.637 | 2.09 | 48.86 | 60.00 | 16.12  | 122.26 |
| 889 | 209.482 | 2.11 | 48.64 | 60.00 | 23.06  | 128.83 |
| 890 | 1.698   | 1.92 | 50.97 | 60.00 | 15.73  | 1.05   |

|     |           |      |       |       |        |        |
|-----|-----------|------|-------|-------|--------|--------|
| 891 | 406.237   | 1.44 | 58.06 | 0.46  | 13.12  | 57.84  |
| 892 | 217.706   | 1.30 | 60.68 | 1.10  | 13.78  | 38.20  |
| 893 | 1.630     | 0.12 | 94.33 | 60.00 | 16.84  | 1.61   |
| 894 | 315.582   | 0.68 | 74.62 | 60.00 | 21.75  | 247.01 |
| 896 | 262.053   | 2.04 | 49.47 | 60.00 | 20.06  | 161.63 |
| 897 | 321.936   | 1.36 | 59.45 | 3.89  | 18.80  | 56.70  |
| 898 | 411.180   | 1.24 | 61.64 | 1.38  | 17.46  | 78.01  |
| 899 | 478.273   | 2.08 | 48.97 | 60.00 | 127.75 | 176.01 |
| 900 | 166.722   | 0.98 | 67.14 | 60.00 | 25.60  | 119.35 |
| 901 | 1,162.312 | 1.16 | 63.33 | 60.00 | 46.56  | 618.01 |
| 902 | 604.275   | 1.34 | 59.88 | 60.00 | 28.09  | 400.04 |
| 903 | 236.011   | 0.86 | 69.85 | 60.00 | 25.58  | 174.51 |
| 904 | 206.821   | 1.70 | 54.06 | 60.00 | 78.25  | 96.19  |
| 905 | 185.958   | 1.43 | 58.33 | 60.00 | 80.07  | 88.36  |
| 906 | 670.645   | 2.55 | 43.93 | 60.00 | 136.40 | 234.14 |
| 907 | 272.486   | 1.44 | 58.09 | 60.00 | 56.77  | 140.02 |
| 908 | 242.345   | 0.89 | 69.17 | 60.00 | 24.95  | 177.72 |
| 909 | 774.195   | 0.80 | 71.31 | 0.16  | 23.01  | 274.92 |
| 910 | 39.230    | 1.05 | 65.49 | 60.00 | 18.81  | 27.58  |
| 911 | 58.967    | 1.25 | 61.63 | 60.00 | 28.94  | 39.70  |
| 912 | 351.765   | 1.11 | 64.22 | 0.07  | 13.25  | 76.13  |
| 913 | 263.094   | 0.75 | 72.63 | 60.00 | 57.46  | 157.95 |
| 914 | 88.119    | 1.47 | 57.62 | 60.00 | 18.32  | 57.16  |
| 915 | 334.408   | 0.61 | 76.73 | 60.00 | 17.79  | 268.46 |
| 917 | 1,175.967 | 1.44 | 58.19 | 60.00 | 128.30 | 459.90 |
| 918 | 749.765   | 1.04 | 65.85 | 60.00 | 57.51  | 416.82 |
| 921 | 112.045   | 1.02 | 66.19 | 60.00 | 16.34  | 79.38  |
| 923 | 618.287   | 1.26 | 61.44 | 60.00 | 57.59  | 327.86 |
| 924 | 252.967   | 1.11 | 64.41 | 0.33  | 15.19  | 55.37  |
| 927 | 168.742   | 0.89 | 69.12 | 60.00 | 14.49  | 123.71 |
| 928 | 283.143   | 0.85 | 70.25 | 60.00 | 21.34  | 210.16 |
| 929 | 136.954   | 1.29 | 60.80 | 60.00 | 27.62  | 91.48  |
| 930 | 187.353   | 0.78 | 72.04 | 60.00 | 17.15  | 142.05 |
| 931 | 484.003   | 1.43 | 58.35 | 60.00 | 37.04  | 287.78 |
| 932 | 616.371   | 1.04 | 65.83 | 60.00 | 58.98  | 342.14 |
| 933 | 161.129   | 0.88 | 69.41 | 60.00 | 18.34  | 118.49 |
| 935 | 112.292   | 1.15 | 63.41 | 60.00 | 13.37  | 77.16  |
| 938 | 95.111    | 1.83 | 52.22 | 0.00  | 12.67  | 7.45   |
| 941 | 375.283   | 0.87 | 69.60 | 60.00 | 23.58  | 276.68 |
| 943 | 224.377   | 1.28 | 60.90 | 60.00 | 22.81  | 150.12 |
| 944 | 580.574   | 0.63 | 75.95 | 60.00 | 31.27  | 454.74 |
| 946 | 267.297   | 1.08 | 64.97 | 0.03  | 16.36  | 60.22  |
| 947 | 270.196   | 1.07 | 65.11 | 0.06  | 14.03  | 61.54  |
| 948 | 348.530   | 1.25 | 61.59 | 60.00 | 19.30  | 234.64 |
| 949 | 235.779   | 2.11 | 48.63 | 0.01  | 14.59  | 12.13  |
| 950 | 348.075   | 1.84 | 52.08 | 60.00 | 19.47  | 217.22 |

|      |         |      |       |       |        |        |
|------|---------|------|-------|-------|--------|--------|
| 952  | 600.779 | 1.00 | 66.62 | 60.00 | 28.87  | 427.74 |
| 954  | 172.155 | 1.91 | 51.14 | 60.00 | 25.36  | 106.93 |
| 956  | 188.071 | 3.28 | 37.86 | 60.00 | 21.08  | 114.89 |
| 962  | 258.531 | 1.84 | 52.05 | 60.00 | 17.94  | 161.33 |
| 963  | 353.108 | 1.36 | 59.58 | 60.00 | 19.08  | 233.00 |
| 1107 | 248.838 | 0.67 | 74.78 | 0.17  | 90.90  | 77.58  |
| 1111 | 235.285 | 0.61 | 76.66 | 0.82  | 115.83 | 74.25  |
| 1115 | 397.151 | 1.92 | 51.03 | 1.12  | 130.28 | 23.44  |
| 1119 | 24.372  | 1.69 | 54.13 | 1.44  | 54.76  | 2.29   |
| 1122 | 295.912 | 0.72 | 73.44 | 0.82  | 157.35 | 70.31  |
| 1134 | 98.717  | 0.70 | 74.05 | 4.36  | 67.19  | 35.43  |
| 1138 | 413.551 | 1.41 | 58.63 | 3.32  | 114.82 | 50.20  |
| 1150 | 42.721  | 0.46 | 81.18 | 5.91  | 90.77  | 17.75  |
| 1152 | 58.761  | 0.32 | 86.29 | 2.13  | 50.74  | 34.48  |
| 1163 | 168.443 | 1.78 | 52.96 | 0.22  | 83.10  | 12.29  |
| 1166 | 3.664   | 0.84 | 70.48 | 0.00  | 23.72  | 1.22   |
| 1171 | 42.680  | 0.35 | 85.27 | 0.00  | 166.09 | 15.70  |
| 1173 | 927.952 | 2.15 | 48.24 | 0.21  | 133.25 | 39.18  |
| 1174 | 52.832  | 1.44 | 58.09 | 0.10  | 68.58  | 6.29   |
| 1184 | 191.106 | 0.35 | 85.00 | 0.00  | 99.28  | 87.29  |
| 1188 | 507.780 | 1.77 | 53.12 | 0.18  | 93.74  | 36.94  |
| 1191 | 208.583 | 1.68 | 54.34 | 1.79  | 94.27  | 18.22  |
| 1193 | 575.721 | 3.11 | 39.13 | 3.78  | 115.72 | 13.62  |
| 1194 | 51.656  | 3.40 | 37.03 | 0.03  | 45.02  | 0.63   |
| 1203 | 293.379 | 0.68 | 74.76 | 60.00 | 138.43 | 130.20 |
| 1209 | 42.638  | 1.79 | 52.72 | 0.00  | 40.79  | 3.31   |
| 1210 | 37.959  | 2.42 | 45.30 | 0.03  | 67.17  | 1.23   |
| 1211 | 281.466 | 1.48 | 57.50 | 60.00 | 122.74 | 111.78 |
| 1212 | 207.163 | 1.46 | 57.85 | 0.48  | 108.14 | 21.80  |
| 1214 | 259.957 | 0.66 | 75.05 | 60.00 | 112.06 | 128.15 |
| 1215 | 161.219 | 2.16 | 48.02 | 0.00  | 76.58  | 7.17   |
| 1216 | 68.873  | 1.81 | 52.52 | 0.00  | 38.73  | 5.23   |
| 1217 | 245.873 | 2.18 | 47.84 | 0.06  | 107.03 | 10.22  |
| 1219 | 31.702  | 2.41 | 45.38 | 0.00  | 51.89  | 1.06   |
| 1220 | 25.634  | 0.29 | 87.30 | 60.00 | 75.16  | 17.33  |
| 1235 | 713.683 | 2.41 | 45.34 | 12.42 | 111.63 | 63.45  |
| 1236 | 309.754 | 2.54 | 44.03 | 0.10  | 91.46  | 8.72   |
| 1239 | 124.243 | 0.58 | 77.61 | 60.00 | 58.28  | 78.86  |
| 1240 | 28.736  | 0.52 | 79.37 | 60.00 | 200.47 | 11.14  |
| 1241 | 459.045 | 1.94 | 50.77 | 29.14 | 93.03  | 99.59  |
| 1245 | 291.340 | 1.45 | 57.89 | 60.00 | 104.21 | 121.82 |
| 1246 | 383.466 | 0.50 | 80.01 | 60.00 | 95.44  | 205.36 |
| 1247 | 269.164 | 4.09 | 32.83 | 0.00  | 41.52  | 1.26   |
| 1251 | 2.516   | 3.88 | 34.01 | 0.21  | 26.48  | 0.02   |
| 1252 | 175.395 | 4.59 | 30.33 | 0.02  | 52.24  | 0.19   |
| 1253 | 334.408 | 4.43 | 31.10 | 0.07  | 48.47  | 0.74   |

|      |         |      |       |       |        |        |
|------|---------|------|-------|-------|--------|--------|
| 1254 | 161.911 | 3.62 | 35.61 | 6.37  | 63.46  | 8.00   |
| 1255 | 528.793 | 1.34 | 59.87 | 60.00 | 214.31 | 163.66 |
| 1261 | 196.141 | 2.59 | 43.55 | 0.00  | 40.64  | 5.30   |
| 1262 | 217.175 | 2.16 | 48.13 | 0.00  | 26.27  | 10.41  |
| 1265 | 92.982  | 2.82 | 41.47 | 0.04  | 67.18  | 2.04   |
| 1271 | 93.868  | 0.87 | 69.69 | 60.00 | 78.10  | 50.80  |
| 1272 | 822.204 | 0.81 | 71.29 | 60.00 | 306.02 | 234.93 |
| 1274 | 580.276 | 3.06 | 39.55 | 0.00  | 48.50  | 10.12  |
| 1275 | 171.311 | 3.59 | 35.79 | 0.23  | 50.47  | 1.70   |
| 1276 | 333.285 | 1.63 | 55.03 | 60.00 | 151.19 | 115.37 |
| 1277 | 202.738 | 1.03 | 65.98 | 0.04  | 60.40  | 44.71  |
| 1278 | 312.607 | 2.98 | 40.17 | 0.01  | 61.22  | 5.88   |
| 1279 | 518.742 | 1.45 | 57.89 | 60.00 | 197.94 | 163.43 |
| 1281 | 45.839  | 1.46 | 57.76 | 0.43  | 36.47  | 6.13   |
| 1283 | 276.451 | 1.12 | 64.19 | 0.20  | 60.46  | 53.59  |
| 1284 | 396.796 | 3.04 | 39.69 | 0.05  | 73.25  | 7.04   |
| 1285 | 70.381  | 1.56 | 56.23 | 2.61  | 45.12  | 8.62   |
| 1289 | 2.855   | 1.08 | 65.00 | 60.00 | 29.37  | 1.99   |
| 1290 | 327.076 | 1.97 | 50.36 | 0.80  | 99.46  | 18.63  |
| 1292 | 606.831 | 4.17 | 32.43 | 0.07  | 117.98 | 2.26   |
| 1293 | 379.913 | 4.15 | 32.52 | 0.38  | 87.81  | 1.66   |
| 1294 | 214.093 | 4.46 | 30.96 | 0.07  | 48.56  | 0.43   |
| 1295 | 24.679  | 1.19 | 62.66 | 0.87  | 33.82  | 4.88   |
| 1296 | 85.154  | 1.11 | 64.23 | 1.07  | 60.37  | 17.12  |
| 1297 | 164.343 | 2.61 | 43.39 | 0.00  | 25.87  | 4.37   |
| 1298 | 17.920  | 3.79 | 34.54 | 0.04  | 30.32  | 0.14   |
| 1299 | 177.871 | 4.07 | 32.96 | 0.17  | 49.71  | 0.89   |
| 1300 | 17.584  | 4.65 | 30.08 | 0.00  | 32.88  | 0.01   |
| 1301 | 78.902  | 4.25 | 32.02 | 0.14  | 42.70  | 0.28   |
| 1302 | 329.732 | 2.02 | 49.70 | 0.00  | 76.91  | 17.52  |
| 1303 | 562.091 | 3.70 | 35.09 | 4.39  | 77.96  | 18.25  |
| 1304 | 321.948 | 2.43 | 45.16 | 0.00  | 29.08  | 10.83  |
| 1305 | 21.809  | 0.62 | 76.27 | 0.30  | 63.86  | 8.45   |
| 1308 | 173.146 | 4.46 | 30.96 | 0.05  | 98.31  | 0.28   |
| 1310 | 148.889 | 1.93 | 50.86 | 0.40  | 67.63  | 9.25   |
| 1311 | 122.599 | 2.31 | 46.40 | 0.57  | 53.52  | 4.84   |
| 1312 | 626.245 | 2.37 | 45.80 | 0.63  | 126.10 | 21.11  |
| 1313 | 21.904  | 0.75 | 72.63 | 8.70  | 14.75  | 9.62   |
| 1314 | 621.147 | 1.56 | 56.16 | 0.01  | 22.77  | 73.59  |
| 1315 | 708.056 | 2.21 | 47.50 | 0.10  | 31.04  | 31.70  |
| 1316 | 112.051 | 4.35 | 31.51 | 0.04  | 28.43  | 0.32   |
| 1319 | 92.308  | 3.61 | 35.64 | 0.09  | 21.22  | 0.89   |
| 1320 | 366.799 | 2.29 | 46.57 | 0.21  | 25.68  | 14.98  |
| 1321 | 86.928  | 3.85 | 34.16 | 0.08  | 18.31  | 0.61   |
| 1322 | 343.452 | 2.20 | 47.60 | 0.04  | 25.97  | 15.52  |
| 1324 | 289.215 | 4.45 | 31.03 | 0.05  | 36.35  | 0.62   |

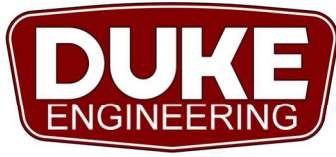
|      |           |      |       |       |        |        |
|------|-----------|------|-------|-------|--------|--------|
| 1325 | 414.303   | 1.71 | 53.84 | 0.02  | 21.68  | 39.24  |
| 1327 | 253.937   | 1.42 | 58.53 | 0.01  | 22.14  | 36.69  |
| 1328 | 205.305   | 1.07 | 65.24 | 0.12  | 51.73  | 44.91  |
| 1332 | 203.580   | 2.55 | 44.00 | 0.09  | 37.73  | 5.77   |
| 1334 | 738.887   | 1.83 | 52.26 | 0.13  | 104.48 | 47.74  |
| 1335 | 54.751    | 1.21 | 62.25 | 0.03  | 44.75  | 9.95   |
| 1338 | 250.124   | 1.25 | 61.46 | 0.02  | 30.06  | 45.20  |
| 1339 | 205.177   | 0.78 | 72.04 | 60.00 | 128.29 | 92.30  |
| 1340 | 638.086   | 2.36 | 45.86 | 60.00 | 161.96 | 204.54 |
| 1341 | 24.488    | 0.89 | 69.14 | 60.00 | 87.52  | 12.27  |
| 1342 | 168.441   | 2.99 | 40.09 | 60.00 | 87.57  | 70.08  |
| 1343 | 191.638   | 0.88 | 69.54 | 60.00 | 87.58  | 96.31  |
| 1344 | 178.894   | 1.71 | 53.86 | 0.20  | 16.72  | 17.14  |
| 1345 | 184.924   | 2.02 | 49.69 | 0.45  | 67.27  | 10.30  |
| 1346 | 58.161    | 0.90 | 68.95 | 60.00 | 78.49  | 31.14  |
| 1347 | 448.263   | 1.22 | 62.17 | 60.00 | 120.21 | 187.42 |
| 1349 | 216.776   | 1.87 | 51.63 | 60.00 | 91.40  | 90.35  |
| 1351 | 389.332   | 2.28 | 46.70 | 0.71  | 83.98  | 15.48  |
| 1352 | 526.647   | 2.46 | 44.81 | 60.00 | 125.17 | 192.20 |
| 1353 | 691.743   | 3.30 | 37.73 | 0.07  | 139.41 | 9.10   |
| 1356 | 255.954   | 2.72 | 42.41 | 0.00  | 64.85  | 6.14   |
| 1358 | 75.472    | 0.84 | 70.48 | 0.94  | 8.68   | 25.67  |
| 1359 | 89.242    | 1.95 | 50.66 | 0.00  | 26.94  | 5.70   |
| 1360 | 247.158   | 1.42 | 58.52 | 0.19  | 19.88  | 35.94  |
| 1361 | 856.126   | 1.91 | 51.13 | 0.19  | 26.40  | 59.53  |
| 1362 | 281.850   | 2.47 | 44.70 | 0.04  | 47.31  | 8.76   |
| 1363 | 171.180   | 1.72 | 53.70 | 0.03  | 68.02  | 13.88  |
| 1364 | 61.166    | 0.47 | 80.86 | 60.00 | 140.84 | 28.84  |
| 1365 | 156.249   | 0.52 | 79.22 | 60.00 | 89.20  | 87.00  |
| 1366 | 299.687   | 1.83 | 52.26 | 0.02  | 43.10  | 22.22  |
| 1367 | 21.779    | 3.59 | 35.78 | 0.20  | 20.50  | 0.22   |
| 1368 | 168.459   | 3.08 | 39.35 | 0.04  | 57.58  | 2.88   |
| 1369 | 149.343   | 0.40 | 83.41 | 60.00 | 50.92  | 100.62 |
| 1370 | 256.518   | 2.48 | 44.60 | 0.08  | 68.24  | 7.66   |
| 1371 | 613.509   | 2.71 | 42.48 | 0.88  | 107.02 | 15.31  |
| 1372 | 868.584   | 1.99 | 50.17 | 60.00 | 159.08 | 286.46 |
| 1373 | 161.277   | 0.55 | 78.32 | 60.00 | 66.82  | 101.46 |
| 1374 | 330.764   | 0.63 | 76.08 | 60.00 | 103.18 | 167.61 |
| 1375 | 1,033.411 | 1.32 | 60.21 | 0.22  | 63.56  | 144.96 |
| 1376 | 266.704   | 0.53 | 78.93 | 60.00 | 71.77  | 166.02 |
| 1377 | 856.294   | 1.02 | 66.23 | 60.00 | 161.81 | 322.25 |
| 1378 | 222.912   | 0.95 | 67.86 | 60.00 | 67.41  | 124.00 |
| 1379 | 53.868    | 1.41 | 58.57 | 60.00 | 57.21  | 27.81  |
| 1380 | 400.848   | 1.82 | 52.42 | 60.00 | 131.19 | 148.43 |
| 1381 | 772.876   | 1.76 | 53.23 | 60.00 | 75.59  | 362.58 |
| 1382 | 531.547   | 1.53 | 56.65 | 0.03  | 38.07  | 62.37  |

|      |         |      |       |       |        |        |
|------|---------|------|-------|-------|--------|--------|
| 1383 | 611.984 | 1.18 | 62.91 | 0.03  | 31.71  | 121.02 |
| 1384 | 407.272 | 0.84 | 70.43 | 60.00 | 122.99 | 183.87 |
| 1385 | 225.292 | 1.34 | 59.91 | 0.04  | 23.62  | 36.29  |
| 1386 | 92.971  | 0.68 | 74.72 | 0.18  | 43.32  | 34.43  |
| 1387 | 162.608 | 2.15 | 48.23 | 0.26  | 58.17  | 7.72   |
| 1388 | 3.163   | 1.48 | 57.53 | 1.08  | 33.13  | 0.43   |
| 1389 | 165.420 | 2.42 | 45.20 | 0.73  | 48.89  | 5.70   |
| 1390 | 276.942 | 1.08 | 64.83 | 60.00 | 62.45  | 151.28 |
| 1391 | 95.465  | 0.41 | 82.97 | 60.00 | 71.83  | 62.28  |
| 1392 | 787.408 | 1.48 | 57.50 | 60.00 | 154.22 | 276.76 |
| 1393 | 909.765 | 1.90 | 51.30 | 60.00 | 208.17 | 265.79 |
| 1394 | 162.432 | 2.36 | 45.86 | 0.08  | 45.11  | 5.86   |
| 1395 | 792.048 | 2.03 | 49.65 | 0.42  | 48.52  | 45.26  |
| 1396 | 197.013 | 2.42 | 45.25 | 3.31  | 42.76  | 8.34   |
| 1397 | 174.865 | 0.94 | 68.14 | 60.00 | 54.25  | 99.71  |
| 1398 | 129.032 | 4.06 | 32.98 | 0.11  | 35.71  | 0.65   |
| 1399 | 7.009   | 0.92 | 68.58 | 60.00 | 32.41  | 4.95   |
| 1400 | 327.726 | 2.00 | 49.95 | 0.04  | 24.21  | 19.62  |
| 1401 | 305.373 | 1.92 | 51.02 | 0.13  | 21.18  | 20.78  |
| 1402 | 8.984   | 0.68 | 74.72 | 60.00 | 35.01  | 6.58   |
| 1403 | 77.420  | 1.11 | 64.35 | 60.00 | 50.05  | 42.05  |
| 1404 | 432.485 | 1.61 | 55.39 | 0.31  | 30.79  | 48.14  |
| 1405 | 280.363 | 1.95 | 50.60 | 1.51  | 33.83  | 19.76  |
| 1406 | 20.725  | 0.66 | 75.07 | 0.53  | 37.07  | 8.25   |
| 1407 | 81.153  | 0.57 | 77.92 | 60.00 | 49.94  | 51.26  |
| 1408 | 559.843 | 2.70 | 42.59 | 0.12  | 53.30  | 13.78  |
| 1409 | 282.214 | 2.78 | 41.86 | 0.11  | 54.52  | 6.45   |
| 1410 | 13.229  | 0.58 | 77.42 | 0.92  | 28.67  | 6.66   |
| 1411 | 507.880 | 0.55 | 78.30 | 60.00 | 104.42 | 263.56 |
| 1412 | 235.205 | 0.71 | 73.86 | 60.00 | 79.23  | 132.53 |
| 1413 | 204.323 | 2.18 | 47.80 | 60.00 | 34.18  | 118.94 |
| 1414 | 12.358  | 0.68 | 74.71 | 0.29  | 23.35  | 5.35   |
| 1415 | 229.622 | 2.05 | 49.36 | 0.72  | 41.55  | 13.18  |
| 1416 | 272.614 | 1.27 | 61.08 | 60.00 | 94.66  | 118.92 |
| 1417 | 193.573 | 3.00 | 40.04 | 60.00 | 85.52  | 81.73  |
| 1418 | 337.685 | 0.76 | 72.44 | 60.00 | 91.51  | 170.23 |
| 1419 | 280.398 | 0.39 | 83.65 | 60.00 | 60.49  | 190.32 |
| 1420 | 423.489 | 1.92 | 50.98 | 0.43  | 43.58  | 28.41  |
| 1421 | 324.947 | 1.80 | 52.70 | 1.27  | 41.73  | 26.55  |
| 1422 | 469.920 | 0.48 | 80.64 | 60.00 | 85.54  | 273.85 |
| 1423 | 255.008 | 0.99 | 66.93 | 60.00 | 62.62  | 142.35 |
| 1424 | 226.409 | 2.29 | 46.57 | 0.55  | 37.01  | 9.37   |
| 1425 | 265.545 | 1.43 | 58.29 | 0.23  | 18.93  | 38.07  |
| 1426 | 214.305 | 1.69 | 54.15 | 60.00 | 38.59  | 120.90 |
| 1427 | 21.540  | 2.62 | 43.26 | 60.00 | 24.53  | 13.16  |
| 1428 | 462.937 | 2.80 | 41.69 | 1.89  | 30.28  | 11.34  |

|      |         |      |       |       |       |        |
|------|---------|------|-------|-------|-------|--------|
| 1429 | 215.715 | 1.40 | 58.83 | 60.00 | 58.77 | 111.42 |
| 1430 | 240.219 | 2.76 | 42.01 | 2.48  | 16.46 | 6.23   |
| 1431 | 292.614 | 1.53 | 56.61 | 0.10  | 24.74 | 36.30  |
| 1432 | 216.806 | 2.25 | 47.06 | 5.88  | 27.19 | 15.54  |
| 1433 | 619.661 | 2.14 | 48.32 | 60.00 | 39.94 | 333.68 |
| 1434 | 289.339 | 3.11 | 39.11 | 60.00 | 37.98 | 159.34 |
| 1435 | 404.591 | 2.12 | 48.55 | 60.00 | 35.67 | 231.31 |
| 1436 | 233.061 | 2.41 | 45.38 | 0.52  | 22.85 | 8.35   |
| 1437 | 12.713  | 4.55 | 30.53 | 60.00 | 15.85 | 7.77   |
| 1438 | 366.314 | 2.14 | 48.35 | 60.00 | 23.81 | 225.05 |
| 1439 | 216.529 | 2.60 | 43.45 | 60.00 | 66.28 | 100.56 |
| 1440 | 246.419 | 1.57 | 55.97 | 60.00 | 83.94 | 111.73 |
| 1441 | 98.346  | 0.77 | 72.13 | 60.00 | 42.26 | 62.66  |
| 1442 | 649.055 | 2.61 | 43.35 | 60.00 | 48.96 | 298.95 |
| 1444 | 470.178 | 2.33 | 46.24 | 60.00 | 30.15 | 287.06 |
| 1445 | 576.714 | 1.89 | 51.43 | 60.00 | 69.51 | 274.04 |
| 1446 | 378.010 | 1.59 | 55.74 | 0.02  | 17.52 | 42.98  |
| 1447 | 860.360 | 1.01 | 66.47 | 0.10  | 30.27 | 213.83 |
| 1448 | 264.157 | 1.74 | 53.54 | 60.00 | 61.27 | 130.03 |
| 1450 | 386.199 | 1.87 | 51.67 | 0.35  | 25.28 | 29.10  |
| 1451 | 5.910   | 0.79 | 71.78 | 2.24  | 15.95 | 2.23   |
| 1452 | 214.249 | 1.45 | 57.98 | 0.18  | 16.11 | 29.86  |
| 1453 | 197.019 | 2.44 | 45.03 | 60.00 | 65.51 | 92.02  |
| 1454 | 257.425 | 2.34 | 46.13 | 0.15  | 15.56 | 9.87   |
| 1455 | 319.168 | 1.55 | 56.34 | 60.00 | 76.04 | 152.87 |
| 1456 | 137.139 | 1.58 | 55.82 | 0.82  | 20.74 | 16.39  |
| 1457 | 122.723 | 2.20 | 47.64 | 0.61  | 18.62 | 5.79   |
| 1458 | 194.078 | 1.14 | 63.61 | 60.00 | 58.70 | 105.30 |
| 1461 | 77.182  | 0.87 | 69.60 | 60.00 | 41.41 | 48.42  |
| 1462 | 739.716 | 0.74 | 73.09 | 0.08  | 24.92 | 290.70 |
| 1463 | 264.961 | 1.94 | 50.78 | 3.90  | 23.97 | 23.48  |
| 1464 | 27.682  | 1.46 | 57.76 | 4.06  | 9.20  | 4.37   |
| 1465 | 809.235 | 1.60 | 55.63 | 0.76  | 34.90 | 91.14  |
| 1466 | 740.393 | 2.30 | 46.54 | 60.00 | 92.37 | 300.06 |
| 1467 | 229.778 | 1.79 | 52.74 | 60.00 | 23.59 | 143.94 |
| 1468 | 161.741 | 2.03 | 49.63 | 60.00 | 16.76 | 99.81  |
| 1469 | 707.692 | 1.66 | 54.64 | 60.00 | 24.57 | 448.61 |
| 1470 | 49.137  | 1.26 | 61.38 | 60.00 | 18.05 | 33.01  |
| 1471 | 307.904 | 1.10 | 64.58 | 60.00 | 31.44 | 210.25 |
| 1474 | 8.023   | 1.20 | 62.51 | 60.00 | 5.54  | 5.46   |
| 1475 | 338.590 | 1.04 | 65.74 | 60.00 | 20.60 | 238.67 |
| 1476 | 415.568 | 2.34 | 46.04 | 0.47  | 17.77 | 16.20  |
| 1477 | 135.363 | 1.71 | 53.94 | 60.00 | 19.99 | 85.39  |
| 1478 | 353.363 | 2.08 | 49.06 | 60.00 | 20.47 | 217.58 |
| 1482 | 404.177 | 1.31 | 60.40 | 0.54  | 15.62 | 68.67  |
| 1484 | 88.304  | 2.89 | 40.91 | 60.00 | 36.10 | 49.88  |



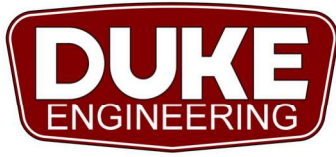
|      |           |      |       |       |       |          |
|------|-----------|------|-------|-------|-------|----------|
| 1486 | 174.769   | 2.22 | 47.37 | 60.00 | 38.43 | 95.95    |
| 1487 | 17.158    | 1.78 | 52.87 | 60.00 | 37.89 | 9.70     |
| 1490 | 24.953    | 4.09 | 32.83 | 60.00 | 29.36 | 15.24    |
| 1491 | 163.085   | 0.72 | 73.45 | 60.00 | 10.66 | 125.89   |
| 1493 | 213.258   | 2.16 | 48.11 | 0.04  | 14.83 | 10.25    |
| 1494 | 1,563.974 | 1.03 | 66.09 | 60.00 | 29.28 | 1,105.85 |
| 1499 | 188.421   | 3.84 | 34.27 | 0.04  | 55.37 | 1.32     |
| 1500 | 590.462   | 2.70 | 42.51 | 0.03  | 89.25 | 14.35    |
| 1501 | 357.717   | 2.68 | 42.73 | 0.08  | 93.96 | 8.88     |
| 1502 | 100.153   | 0.98 | 67.08 | 60.00 | 72.79 | 54.13    |
| 1505 | 234.307   | 1.32 | 60.27 | 60.00 | 21.86 | 155.67   |



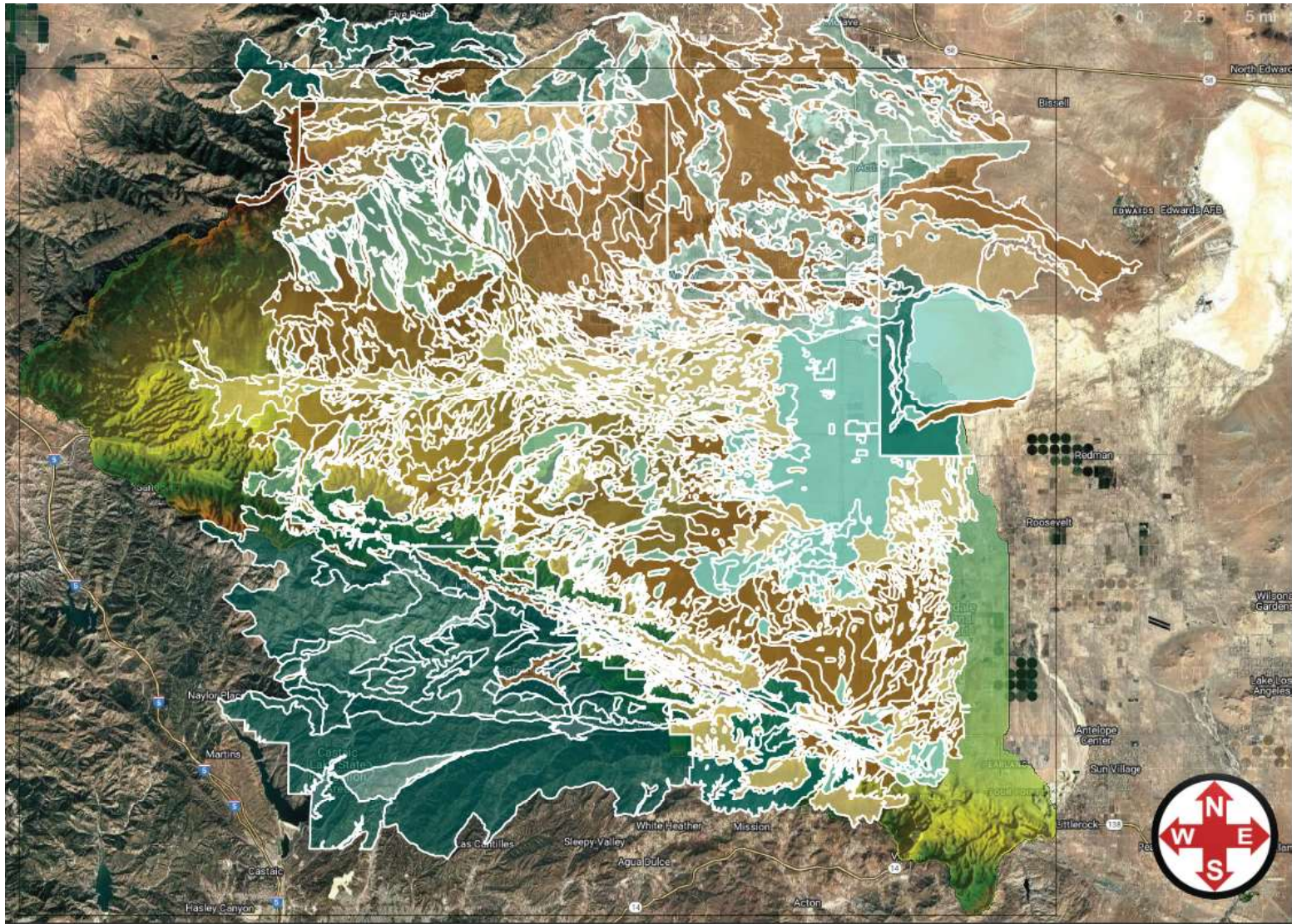
## **Appendix V: Not Used**

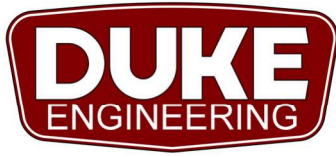


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## **Appendix VI: USGS Soils Type Map**



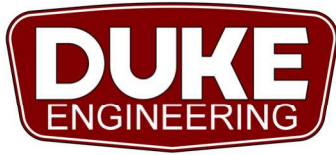


## **Appendix VII: Army Corps of Engineers Soils Loss Table**



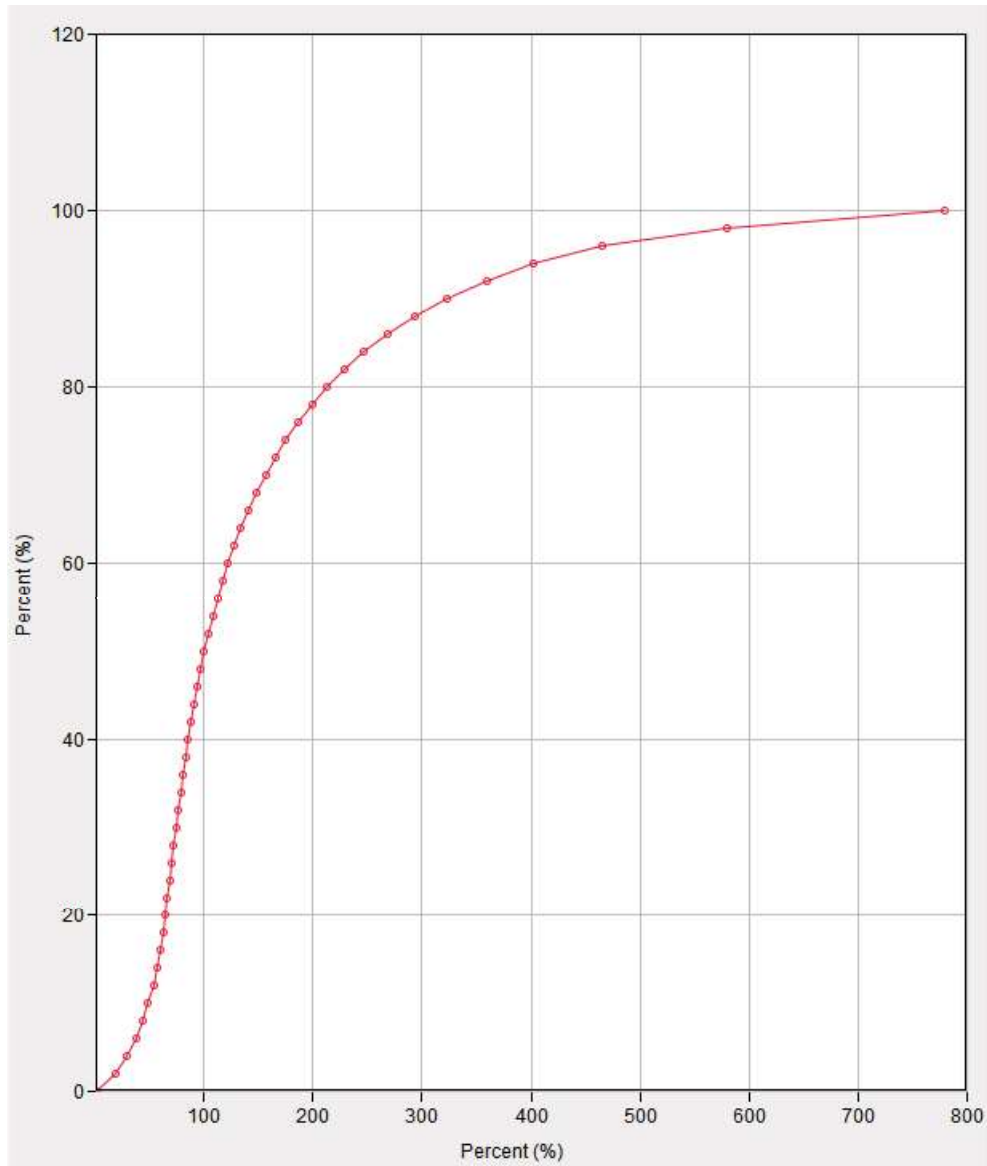
| Soil Group | Description                                                                                  | Range of Loss Rates (in/hr) |
|------------|----------------------------------------------------------------------------------------------|-----------------------------|
| A          | Deep sand, deep loess, aggregated silts                                                      | 0.30-0.45                   |
| B          | Shallow loess, sandy loam                                                                    | 0.15-0.30                   |
| C          | Clay loams, shallow sandy loam, soils low in organic content, and soils usually high in clay | 0.05-0.15                   |
| D          | Soils that swell significantly when wet, heavy plastic clays, and certain saline soils       | 0.00-0.05                   |

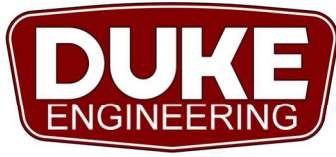




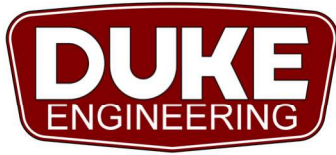
## **Appendix VIII: Desert S-Graph**







## **Appendix IX: Lag Time Equation**



### Snyder Lag Time Estimation

$$t_p = 24\bar{n} \left( \frac{LL_c}{\sqrt{S}} \right)^{0.38}$$

Where:

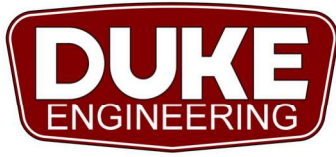
$t_p$  = Lag Time [hrs]

$\bar{n}$  = Average Roughness of Subbasin [–]

$L$  = Longest Flowpath Length [mi]

$L_c$  = Centroidal Flowpath Length [mi]

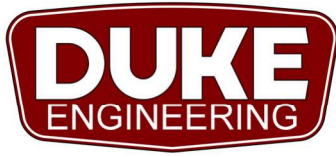
$S$  = Slope of Longest Flowpath [ $\frac{\text{ft}}{\text{mi}}$ ]



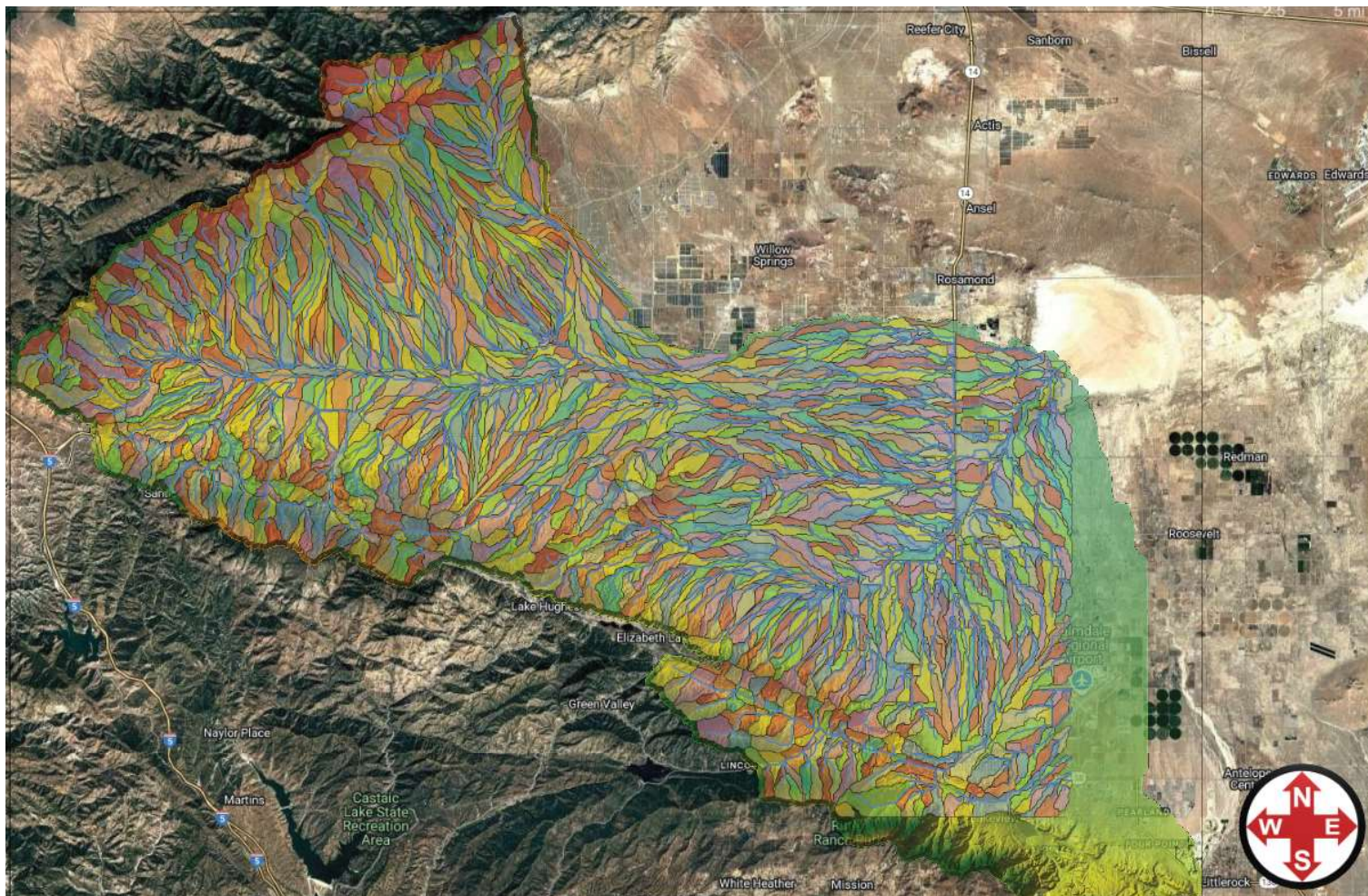
## **Appendix X: Not Used**

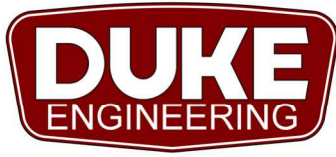


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## **Appendix XI: Routing Map**





## **Appendix XII: Routing Table**



Routing Table

| Reach ID  | Length (ft) | Channel Slope (ft/ft) | Downstream Invert Elevations (ft) | Element Shape | Index Discharge (cfs) | Manning's Roughness n | Maximum Outflow (cfs) | Maximum Inflow (cfs) | Peak Flow Velocity (ft/sec) | Peak Stage (ft) |
|-----------|-------------|-----------------------|-----------------------------------|---------------|-----------------------|-----------------------|-----------------------|----------------------|-----------------------------|-----------------|
| Reach-149 | 6830.78     | 0.00177               | 2320.29                           | Trapezoid     | 15000                 | 0.032                 | 96.5                  | 96.68                | 1.1562                      | 2321.15         |
| Reach-166 | 149.64      | 0.00087               | 2320.29                           | Trapezoid     | 15000                 | 0.032                 | 450.73                | 450.82               | 1.3031                      | 2322.1          |
| Reach-167 | 3347.04     | 0.00088               | 2320.43                           | Trapezoid     | 15000                 | 0.032                 | 450.82                | 451.45               | 1.3088                      | 2322.23         |
| Reach-168 | 6301.78     | 0.0013                | 2323.37                           | Trapezoid     | 15000                 | 0.032                 | 391.95                | 392.4                | 1.4628                      | 2324.96         |
| Reach-169 | 3708.62     | 0.0021                | 2331.54                           | Trapezoid     | 15000                 | 0.032                 | 267.41                | 267.61               | 1.591                       | 2332.79         |
| Reach-170 | 6051.99     | 0.00268               | 2339.33                           | Trapezoid     | 15000                 | 0.032                 | 232.71                | 233.15               | 1.6837                      | 2340.46         |
| Reach-174 | 11520.99    | 0.00213               | 2355.57                           | Trapezoid     | 15000                 | 0.032                 | 168.84                | 169.62               | 1.4256                      | 2356.61         |
| Reach-177 | 1860.4      | 0.00276               | 2380.08                           | Trapezoid     | 15000                 | 0.032                 | 147.65                | 147.9                | 1.5191                      | 2381.02         |
| Reach-189 | 8373.22     | 0.00338               | 2385.22                           | Trapezoid     | 15000                 | 0.032                 | 60.49                 | 61.2                 | 1.3108                      | 2385.84         |
| Reach-215 | 11897.15    | 0.00314               | 2385.22                           | Trapezoid     | 15000                 | 0.032                 | 42.75                 | 42.83                | 1.169                       | 2385.77         |
| Reach-246 | 6240.9      | 0.00207               | 2331.54                           | Trapezoid     | 15000                 | 0.032                 | 105.5                 | 105.57               | 1.2537                      | 2332.41         |
| Reach-266 | 9385.53     | 0.00285               | 2344.49                           | Trapezoid     | 15000                 | 0.032                 | 52.6                  | 53.6                 | 1.1873                      | 2345.11         |
| Reach-391 | 2125.02     | 0.0001                | 2274.68                           | Trapezoid     | 15000                 | 0.032                 | 29221.25              | 29606.75             | 1.646                       | 2287.95         |
| Reach-392 | 1353.09     | 0.00007               | 2274.9                            | Trapezoid     | 15000                 | 0.032                 | 29398.74              | 29622.89             | 1.4422                      | 2289.13         |
| Reach-393 | 361.59      | 0.00001               | 2275                              | Trapezoid     | 15000                 | 0.032                 | 29622.89              | 29714.73             | 0.6968                      | 2295.57         |
| Reach-394 | 1314.86     | 0.00001               | 2275                              | Trapezoid     | 15000                 | 0.032                 | 29105.73              | 29146.05             | 0.6937                      | 2295.43         |
| Reach-395 | 380.33      | 0.0004                | 2275.02                           | Trapezoid     | 15000                 | 0.032                 | 28464.55              | 28519.64             | 2.7494                      | 2285.15         |
| Reach-396 | 3487.08     | 0.00043               | 2275.17                           | Trapezoid     | 15000                 | 0.032                 | 28430.62              | 28876.99             | 2.8241                      | 2285.15         |
| Reach-397 | 5172.14     | 0.00154               | 2276.66                           | Trapezoid     | 15000                 | 0.032                 | 27938.49              | 28215.72             | 4.5358                      | 2284.46         |
| Reach-398 | 1929.25     | 0.00083               | 2284.63                           | Trapezoid     | 15000                 | 0.032                 | 28169.89              | 28263.32             | 3.6052                      | 2293.42         |
| Reach-399 | 5263.09     | 0.00048               | 2286.24                           | Trapezoid     | 15000                 | 0.032                 | 26685.17              | 26832.76             | 2.8967                      | 2295.79         |
| Reach-400 | 1410.94     | 0.00079               | 2288.74                           | Trapezoid     | 15000                 | 0.032                 | 26631.62              | 26823.35             | 3.4897                      | 2297.43         |
| Reach-401 | 1646.74     | 0.00028               | 2289.85                           | Trapezoid     | 15000                 | 0.032                 | 13623.38              | 13646.93             | 2.0001                      | 2298.05         |
| Reach-402 | 4632.45     | 0.00208               | 2290.31                           | Trapezoid     | 15000                 | 0.032                 | 9933.92               | 10057.62             | 3.9188                      | 2295.3          |
| Reach-403 | 9735.04     | 0.00172               | 2299.93                           | Trapezoid     | 15000                 | 0.032                 | 9995.77               | 10022.56             | 3.6551                      | 2305.11         |
| Reach-404 | 3810.24     | 0.00023               | 2316.71                           | Trapezoid     | 15000                 | 0.032                 | 9886.56               | 10032.76             | 1.7147                      | 2324.25         |
| Reach-405 | 6235.29     | 0.00264               | 2317.59                           | Trapezoid     | 15000                 | 0.032                 | 9999.69               | 10022.8              | 4.2922                      | 2322.37         |
| Reach-406 | 7819.87     | 0.00261               | 2334.08                           | Trapezoid     | 15000                 | 0.032                 | 9928.6                | 10066.8              | 4.2663                      | 2338.85         |
| Reach-407 | 16002.84    | 0.00308               | 2354.46                           | Trapezoid     | 15000                 | 0.032                 | 9993.5                | 10023.97             | 4.5468                      | 2359.1          |
| Reach-408 | 13882.1     | 0.00367               | 2403.82                           | Trapezoid     | 15000                 | 0.032                 | 9931.66               | 10001.53             | 4.848                       | 2408.3          |
| Reach-409 | 4794.54     | 0.00374               | 2454.74                           | Trapezoid     | 15000                 | 0.032                 | 9986.7                | 10058.69             | 4.8892                      | 2459.21         |
| Reach-410 | 995.47      | 0.00367               | 2472.69                           | Trapezoid     | 15000                 | 0.032                 | 10048.21              | 10084.45             | 4.8622                      | 2477.19         |
| Reach-411 | 15653.77    | 0.00369               | 2476.34                           | Trapezoid     | 15000                 | 0.032                 | 10045.58              | 10080.14             | 4.8718                      | 2480.83         |
| Reach-412 | 20705.72    | 0.00343               | 2534.14                           | Trapezoid     | 15000                 | 0.032                 | 10047.47              | 10091.76             | 4.7404                      | 2538.69         |
| Reach-437 | 4889.26     | 0.00097               | 2289.85                           | Trapezoid     | 15000                 | 0.032                 | 23015.89              | 23296.63             | 3.6336                      | 2297.76         |
| Reach-438 | 2943.83     | 0.00075               | 2294.6                            | Trapezoid     | 15000                 | 0.032                 | 23048.25              | 23139.25             | 3.3008                      | 2302.91         |
| Reach-440 | 4128.15     | 0.00083               | 2296.81                           | Trapezoid     | 15000                 | 0.032                 | 23006.47              | 23189.19             | 3.427                       | 2304.95         |
| Reach-442 | 17821.45    | 0.00112               | 2290.31                           | Trapezoid     | 15000                 | 0.032                 | 3588.51               | 3613.51              | 2.4081                      | 2294.12         |
| Reach-443 | 525.6       | 0.00237               | 2310.2                            | Trapezoid     | 15000                 | 0.032                 | 3336.15               | 3344.17              | 3.1316                      | 2313.41         |
| Reach-444 | 1374.47     | 0.00006               | 2311.45                           | Trapezoid     | 15000                 | 0.032                 | 3233.17               | 3274.95              | 0.7833                      | 2317.82         |
| Reach-445 | 3027.27     | 0.00032               | 2311.53                           | Trapezoid     | 15000                 | 0.032                 | 3253.36               | 3265.46              | 1.4692                      | 2316.19         |
| Reach-446 | 2028.2      | 0.00078               | 2286.24                           | Trapezoid     | 15000                 | 0.032                 | 1525.59               | 1532.22              | 1.6974                      | 2289.19         |
| Reach-447 | 15749.13    | 0.00186               | 2287.82                           | Trapezoid     | 15000                 | 0.032                 | 1377.41               | 1390.27              | 2.2916                      | 2290.21         |
| Reach-448 | 5039.85     | 0.00039               | 2317.18                           | Trapezoid     | 15000                 | 0.032                 | 948.79                | 950.22               | 1.1623                      | 2319.99         |
| Reach-449 | 863.81      | 0.00016               | 2319.14                           | Trapezoid     | 15000                 | 0.032                 | 928.73                | 928.88               | 0.8278                      | 2322.44         |
| Reach-450 | 1901.31     | 0.00045               | 2319.28                           | Trapezoid     | 15000                 | 0.032                 | 706.01                | 707.74               | 1.1389                      | 2321.72         |

# Routing Table

| Reach ID  | Length (ft) | Channel Slope (ft/ft) | Downstream Invert Elevations (ft) | Element Shape | Index Discharge (cfs) | Manning's Roughness n | Maximum Outflow (cfs) | Maximum Inflow (cfs) | Peak Flow Velocity (ft/sec) | Peak Stage (ft) |
|-----------|-------------|-----------------------|-----------------------------------|---------------|-----------------------|-----------------------|-----------------------|----------------------|-----------------------------|-----------------|
| Reach-452 | 2067.87     | 0.00008               | 2320.14                           | Trapezoid     | 15000                 | 0.032                 | 584.03                | 585.28               | 0.5684                      | 2323.3          |
| Reach-454 | 4107.49     | 0.00468               | 2391.74                           | Trapezoid     | 15000                 | 0.032                 | 957.04                | 958.65               | 2.9563                      | 2393.49         |
| Reach-455 | 3553.33     | 0.00605               | 2410.96                           | Trapezoid     | 15000                 | 0.032                 | 919.21                | 960.85               | 3.2223                      | 2412.6          |
| Reach-493 | 19572.5     | 0.00354               | 2330.02                           | Trapezoid     | 15000                 | 0.032                 | 304.64                | 314.56               | 1.9992                      | 2331.21         |
| Reach-504 | 3816.24     | 0.00325               | 2435.58                           | Trapezoid     | 15000                 | 0.032                 | 1425.96               | 1446.37              | 2.8494                      | 2437.77         |
| Reach-505 | 13525.7     | 0.00342               | 2447.97                           | Trapezoid     | 15000                 | 0.032                 | 1421.84               | 1425.07              | 2.9023                      | 2450.13         |
| Reach-506 | 2804.48     | 0.00308               | 2494.23                           | Trapezoid     | 15000                 | 0.032                 | 1424.04               | 1424.79              | 2.7916                      | 2496.44         |
| Reach-507 | 707.66      | 0.00414               | 2468.54                           | Trapezoid     | 15000                 | 0.032                 | 919.99                | 928.78               | 2.7958                      | 2470.3          |
| Reach-508 | 1916.96     | 0.00358               | 2471.47                           | Trapezoid     | 15000                 | 0.032                 | 888.33                | 902.72               | 2.6244                      | 2473.26         |
| Reach-509 | 7213.12     | 0.00348               | 2502.86                           | Trapezoid     | 15000                 | 0.032                 | 1416.74               | 1479.69              | 2.9186                      | 2505.01         |
| Reach-510 | 422.41      | 0.00443               | 2527.98                           | Trapezoid     | 15000                 | 0.032                 | 1468.6                | 1471.72              | 3.2239                      | 2530.06         |
| Reach-511 | 5482.12     | 0.00474               | 2478.32                           | Trapezoid     | 15000                 | 0.032                 | 858.54                | 897.69               | 2.8908                      | 2479.99         |
| Reach-512 | 2005.87     | 0.00412               | 2529.85                           | Trapezoid     | 15000                 | 0.032                 | 1449.76               | 1456.85              | 3.1273                      | 2531.95         |
| Reach-513 | 2212.75     | 0.00309               | 2538.12                           | Trapezoid     | 15000                 | 0.032                 | 1332.5                | 1350.75              | 2.7489                      | 2540.27         |
| Reach-514 | 1361.23     | 0.00374               | 2544.95                           | Trapezoid     | 15000                 | 0.032                 | 1192.25               | 1246.29              | 2.8718                      | 2546.94         |
| Reach-515 | 10163.06    | 0.00486               | 2504.29                           | Trapezoid     | 15000                 | 0.032                 | 888.9                 | 902.4                | 2.9435                      | 2505.98         |
| Reach-517 | 8506.51     | 0.00514               | 2550.05                           | Trapezoid     | 15000                 | 0.032                 | 1105.36               | 1120.79              | 3.1745                      | 2551.87         |
| Reach-524 | 5395.7      | 0.00057               | 2275.02                           | Trapezoid     | 15000                 | 0.032                 | 775.03                | 781.2                | 1.2738                      | 2277.44         |
| Reach-527 | 1667.7      | 0.00271               | 2278.1                            | Trapezoid     | 15000                 | 0.032                 | 640.82                | 645.71               | 2.1787                      | 2279.77         |
| Reach-528 | 816.88      | 0.00001               | 2282.62                           | Trapezoid     | 15000                 | 0.032                 | 537.56                | 542.92               | 0.2554                      | 2287.15         |
| Reach-536 | 3235.48     | 0.0001                | 2275                              | Trapezoid     | 15000                 | 0.032                 | 926.9                 | 929.75               | 0.6938                      | 2278.61         |
| Reach-537 | 10324.58    | 0.0079                | 2593.81                           | Trapezoid     | 15000                 | 0.032                 | 1039.97               | 1100.67              | 3.673                       | 2595.44         |
| Reach-538 | 3140.38     | 0.00097               | 2282.62                           | Trapezoid     | 15000                 | 0.032                 | 279.19                | 282.2                | 1.204                       | 2284.08         |
| Reach-539 | 2215.7      | 0.00146               | 2285.66                           | Trapezoid     | 15000                 | 0.032                 | 200.2                 | 203.31               | 1.2913                      | 2286.86         |
| Reach-541 | 3699.83     | 0.00504               | 2553.64                           | Trapezoid     | 15000                 | 0.032                 | 106.57                | 108.94               | 1.7545                      | 2554.37         |
| Reach-542 | 16708.29    | 0.00669               | 2553.64                           | Trapezoid     | 15000                 | 0.032                 | 788.48                | 806.22               | 3.22                        | 2555.16         |
| Reach-545 | 1865.13     | 0.00793               | 2675.42                           | Trapezoid     | 15000                 | 0.032                 | 1090.04               | 1099.03              | 3.7217                      | 2677.08         |
| Reach-548 | 6520.64     | 0.00075               | 2275.33                           | Trapezoid     | 15000                 | 0.032                 | 823.93                | 827.29               | 1.4336                      | 2277.68         |
| Reach-549 | 142.29      | 0.0101                | 2280.2                            | Trapezoid     | 15000                 | 0.032                 | 827.29                | 828.64               | 3.803                       | 2281.63         |
| Reach-554 | 4562.16     | 0.00462               | 2572.3                            | Trapezoid     | 15000                 | 0.032                 | 94.25                 | 94.47                | 1.6468                      | 2573.01         |
| Reach-556 | 18475.45    | 0.00107               | 2276.66                           | Trapezoid     | 15000                 | 0.032                 | 910.89                | 959.93               | 1.6795                      | 2278.94         |
| Reach-558 | 633.87      | 0.00539               | 2593.37                           | Trapezoid     | 15000                 | 0.032                 | 86.61                 | 87.93                | 1.7082                      | 2594.03         |
| Reach-560 | 2264.42     | 0.00286               | 2281.64                           | Trapezoid     | 15000                 | 0.032                 | 161.54                | 172.17               | 1.5745                      | 2282.6          |
| Reach-561 | 5190.85     | 0.00807               | 2665.38                           | Trapezoid     | 15000                 | 0.032                 | 711.59                | 716.82               | 3.3669                      | 2666.78         |
| Reach-568 | 3343.7      | 0.00111               | 2296.81                           | Trapezoid     | 15000                 | 0.032                 | 160.21                | 163.25               | 1.102                       | 2297.97         |
| Reach-569 | 3006.04     | 0.00713               | 2471.47                           | Trapezoid     | 15000                 | 0.032                 | 35.08                 | 35.36                | 1.5129                      | 2471.9          |
| Reach-572 | 5483.29     | 0.00104               | 2294.6                            | Trapezoid     | 15000                 | 0.032                 | 327.31                | 330.43               | 1.286                       | 2296.15         |
| Reach-574 | 3177.26     | 0.0074                | 2665.38                           | Trapezoid     | 15000                 | 0.032                 | 82.09                 | 82.76                | 1.898                       | 2665.99         |
| Reach-576 | 5066.63     | 0.00009               | 2274.9                            | Trapezoid     | 15000                 | 0.032                 | 207.14                | 212.98               | 0.4583                      | 2276.98         |
| Reach-579 | 17476.72    | 0.01046               | 2690.22                           | Trapezoid     | 15000                 | 0.032                 | 1098.72               | 1123.61              | 4.137                       | 2691.8          |
| Reach-580 | 9759.38     | 0.00906               | 2707.28                           | Trapezoid     | 15000                 | 0.032                 | 710.55                | 767.5                | 3.5148                      | 2708.65         |
| Reach-582 | 22475.62    | 0.01168               | 2675.42                           | Trapezoid     | 15000                 | 0.032                 | 46.81                 | 49.33                | 1.9567                      | 2675.86         |
| Reach-583 | 9428.33     | 0.00923               | 2688.91                           | Trapezoid     | 15000                 | 0.032                 | 14.85                 | 15.03                | 1.3438                      | 2689.2          |
| Reach-584 | 8175.58     | 0.00195               | 2296.35                           | Trapezoid     | 15000                 | 0.032                 | 608.9                 | 615.57               | 1.9014                      | 2298.09         |
| Reach-586 | 8777.31     | 0.01068               | 2688.91                           | Trapezoid     | 15000                 | 0.032                 | 59.22                 | 60.29                | 2.0068                      | 2689.41         |
| Reach-587 | 12617.44    | 0.00951               | 2492.89                           | Trapezoid     | 15000                 | 0.032                 | 14.72                 | 15.04                | 1.3561                      | 2493.17         |

# Routing Table

| Reach ID  | Length (ft) | Channel Slope (ft/ft) | Downstream Invert Elevations (ft) | Element Shape | Index Discharge (cfs) | Manning's Roughness n | Maximum Outflow (cfs) | Maximum Inflow (cfs) | Peak Flow Velocity (ft/sec) | Peak Stage (ft) |
|-----------|-------------|-----------------------|-----------------------------------|---------------|-----------------------|-----------------------|-----------------------|----------------------|-----------------------------|-----------------|
| Reach-589 | 8903.48     | 0.0109                | 2596.79                           | Trapezoid     | 15000                 | 0.032                 | 47.29                 | 47.43                | 1.9115                      | 2597.24         |
| Reach-593 | 15087.92    | 0.00221               | 2296.35                           | Trapezoid     | 15000                 | 0.032                 | 0                     | 0                    | 0                           | 2296.35         |
| Reach-596 | 7605.07     | 0.00198               | 2300.31                           | Trapezoid     | 15000                 | 0.032                 | 0                     | 0                    | 0                           | 2300.31         |
| Reach-598 | 9115        | 0.00784               | 2492.89                           | Trapezoid     | 15000                 | 0.032                 | 0                     | 0                    | 0                           | 2492.89         |
| Reach-601 | 6130.72     | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 0                     | 0                    | 0                           | 2377.72         |
| Reach-607 | 14042.02    | 0.00214               | 2288.9                            | Trapezoid     | 15000                 | 0.032                 | 0                     | 0                    | 0                           | 2288.9          |
| Reach-610 | 3812.01     | 0.00055               | 2300.52                           | Trapezoid     | 15000                 | 0.032                 | 0                     | 0                    | 0                           | 2300.52         |
| Reach-611 | 3368.02     | 0.00785               | 2468.54                           | Trapezoid     | 15000                 | 0.032                 | 0                     | 0                    | 0                           | 2468.54         |
| Reach-616 | 18464.11    | 0.00187               | 2275.38                           | Trapezoid     | 15000                 | 0.032                 | 0                     | 0                    | 0                           | 2275.37         |
| Reach-631 | 9690.63     | 0.00218               | 2288.12                           | Trapezoid     | 15000                 | 0.032                 | 0                     | 0                    | 0                           | 2288.12         |
| Reach-645 | 2231.69     | 0.00186               | 2317.18                           | Trapezoid     | 15000                 | 0.032                 | 682.53                | 697.64               | 1.9222                      | 2319.02         |
| Reach-646 | 6731.53     | 0.0029                | 2550.05                           | Trapezoid     | 15000                 | 0.032                 | 105.84                | 105.9                | 1.4238                      | 2550.86         |
| Reach-647 | 5369.41     | 0.00297               | 2321.33                           | Trapezoid     | 15000                 | 0.032                 | 485.39                | 492.52               | 2.1034                      | 2322.8          |
| Reach-648 | 23148.85    | 0.00269               | 2319.28                           | Trapezoid     | 15000                 | 0.032                 | 128.44                | 129.2                | 1.4529                      | 2320.17         |
| Reach-649 | 3504.51     | 0.00239               | 2381.6                            | Trapezoid     | 15000                 | 0.032                 | 97.79                 | 98.03                | 1.2982                      | 2382.42         |
| Reach-650 | 971.34      | 0.00041               | 2310.2                            | Trapezoid     | 15000                 | 0.032                 | 773.13                | 791.01               | 1.1251                      | 2312.77         |
| Reach-652 | 127.28      | 0.0076                | 2309.8                            | Trapezoid     | 15000                 | 0.032                 | 578.22                | 578.89               | 3.1253                      | 2311.11         |
| Reach-653 | 3143.21     | 0.00288               | 2389.96                           | Trapezoid     | 15000                 | 0.032                 | 67.79                 | 67.83                | 1.2702                      | 2390.64         |
| Reach-654 | 8758.62     | 0.00282               | 2337.29                           | Trapezoid     | 15000                 | 0.032                 | 355.46                | 356.51               | 1.9081                      | 2338.61         |
| Reach-655 | 3151.83     | 0.00139               | 2310.77                           | Trapezoid     | 15000                 | 0.032                 | 505.74                | 521.3                | 1.5988                      | 2312.5          |
| Reach-659 | 6455.47     | 0.00193               | 2316.71                           | Trapezoid     | 15000                 | 0.032                 | 331.57                | 332.78               | 1.6267                      | 2318.09         |
| Reach-664 | 16260.32    | 0.00731               | 2569.54                           | Trapezoid     | 15000                 | 0.032                 | 13.37                 | 13.93                | 1.1995                      | 2569.83         |
| Reach-665 | 5894.61     | 0.00165               | 2311.45                           | Trapezoid     | 15000                 | 0.032                 | 295.96                | 299.17               | 1.4909                      | 2312.81         |
| Reach-670 | 5776.68     | 0.00279               | 2329.2                            | Trapezoid     | 15000                 | 0.032                 | 88.57                 | 89.03                | 1.3421                      | 2329.96         |
| Reach-673 | 3946.42     | 0.00422               | 2569.54                           | Trapezoid     | 15000                 | 0.032                 | 32.16                 | 32.2                 | 1.2161                      | 2570.01         |
| Reach-674 | 5018.7      | 0.00362               | 2447.97                           | Trapezoid     | 15000                 | 0.032                 | 21.24                 | 22.17                | 1.035                       | 2448.38         |
| Reach-678 | 1848.17     | 0.00242               | 2354.46                           | Trapezoid     | 15000                 | 0.032                 | 206.13                | 225.68               | 1.572                       | 2355.56         |
| Reach-682 | 460.53      | 0.00411               | 2281.64                           | Trapezoid     | 15000                 | 0.032                 | 433.59                | 437.23               | 2.3095                      | 2282.96         |
| Reach-683 | 5858.21     | 0.00571               | 2410.96                           | Trapezoid     | 15000                 | 0.032                 | 33.01                 | 33.03                | 1.371                       | 2411.4          |
| Reach-684 | 4038.06     | 0.00427               | 2586.19                           | Trapezoid     | 15000                 | 0.032                 | 24.56                 | 24.63                | 1.1418                      | 2586.61         |
| Reach-685 | 231.27      | 0.00327               | 2403.82                           | Trapezoid     | 15000                 | 0.032                 | 349.37                | 350.14               | 2.0083                      | 2405.09         |
| Reach-686 | 4049.35     | 0.00302               | 2466.12                           | Trapezoid     | 15000                 | 0.032                 | 3.89                  | 3.97                 | 0.6321                      | 2466.32         |
| Reach-688 | 2065.98     | 0.00495               | 2603.43                           | Trapezoid     | 15000                 | 0.032                 | 14.29                 | 14.63                | 1.0538                      | 2603.75         |
| Reach-691 | 6676.55     | 0.00478               | 2538.12                           | Trapezoid     | 15000                 | 0.032                 | 158.69                | 165.02               | 1.9003                      | 2538.99         |
| Reach-692 | 2445.54     | 0.00314               | 2283.54                           | Trapezoid     | 15000                 | 0.032                 | 328.91                | 336.96               | 1.9483                      | 2284.79         |
| Reach-693 | 2037.65     | 0.00231               | 2504.29                           | Trapezoid     | 15000                 | 0.032                 | 13.64                 | 13.7                 | 0.7828                      | 2504.66         |
| Reach-696 | 5577.5      | 0.00855               | 2688.43                           | Trapezoid     | 15000                 | 0.032                 | 1.09                  | 1.18                 | 0.6784                      | 2688.52         |
| Reach-697 | 1457.83     | 0.00262               | 2399.37                           | Trapezoid     | 15000                 | 0.032                 | 177.49                | 178.59               | 1.56                        | 2400.39         |
| Reach-699 | 19215.37    | 0.00699               | 2544.95                           | Trapezoid     | 15000                 | 0.032                 | 58.59                 | 65.73                | 1.7075                      | 2545.49         |
| Reach-708 | 362.23      | 0.00754               | 2736.12                           | Trapezoid     | 15000                 | 0.032                 | 0.54                  | 0.56                 | 0.5445                      | 2736.18         |
| Reach-710 | 2304.16     | 0.00516               | 2478.32                           | Trapezoid     | 15000                 | 0.032                 | 22.28                 | 22.69                | 1.1963                      | 2478.7          |
| Reach-711 | 4037.02     | 0.00615               | 2570.04                           | Trapezoid     | 15000                 | 0.032                 | 115.3                 | 124.37               | 1.9281                      | 2570.76         |
| Reach-712 | 4542.18     | 0.00223               | 2291.22                           | Trapezoid     | 15000                 | 0.032                 | 159.73                | 164.2                | 1.4303                      | 2292.22         |
| Reach-713 | 4235.35     | 0.00438               | 2509                              | Trapezoid     | 15000                 | 0.032                 | 2.99                  | 3.01                 | 0.6804                      | 2509.17         |
| Reach-717 | 149.65      | 0.00063               | 2391.65                           | Trapezoid     | 15000                 | 0.032                 | 979.22                | 980.92               | 1.4022                      | 2394.24         |
| Reach-746 | 800.34      | 0.00005               | 2310.77                           | Trapezoid     | 15000                 | 0.032                 | 80.7                  | 84.59                | 0.2904                      | 2312.39         |

# Routing Table

| Reach ID  | Length (ft) | Channel Slope (ft/ft) | Downstream Invert Elevations (ft) | Element Shape | Index Discharge (cfs) | Manning's Roughness n | Maximum Outflow (cfs) | Maximum Inflow (cfs) | Peak Flow Velocity (ft/sec) | Peak Stage (ft) |
|-----------|-------------|-----------------------|-----------------------------------|---------------|-----------------------|-----------------------|-----------------------|----------------------|-----------------------------|-----------------|
| Reach-751 | 2409.42     | 0.00983               | 2527.56                           | Trapezoid     | 15000                 | 0.032                 | 2.76                  | 2.76                 | 0.9028                      | 2527.69         |
| Reach-756 | 3886.88     | 0.01055               | 2738.85                           | Trapezoid     | 15000                 | 0.032                 | 0.4                   | 0.43                 | 0.5728                      | 2738.9          |
| Reach-760 | 462.53      | 0.00645               | 2527.56                           | Trapezoid     | 15000                 | 0.032                 | 0.39                  | 0.4                  | 0.4713                      | 2527.61         |
| Reach-773 | 952.6       | 0.00585               | 2738.85                           | Trapezoid     | 15000                 | 0.032                 | 0.16                  | 0.19                 | 0.3616                      | 2738.88         |
| Reach-778 | 6165.29     | 0.00146               | 2309.8                            | Trapezoid     | 15000                 | 0.032                 | 212.79                | 212.99               | 1.3112                      | 2311.02         |
| Reach-861 | 90          | 0.00217               | 2586.19                           | Trapezoid     | 15000                 | 0.032                 | 12.28                 | 12.29                | 0.7447                      | 2586.55         |
| Reach-898 | 5249.57     | 0.00059               | 2300.25                           | Trapezoid     | 15000                 | 0.032                 | 22806.93              | 23362.52             | 3.0089                      | 2308.91         |
| Reach-899 | 3091.76     | 0.00105               | 2303.37                           | Trapezoid     | 15000                 | 0.032                 | 23317.42              | 23477.53             | 3.7554                      | 2311.2          |
| Reach-900 | 6866.14     | 0.00072               | 2306.62                           | Trapezoid     | 15000                 | 0.032                 | 19792.93              | 19926.97             | 3.1291                      | 2314.52         |
| Reach-902 | 671.27      | 0.0035                | 2306.69                           | Trapezoid     | 15000                 | 0.032                 | 19332.89              | 19393.66             | 5.6268                      | 2312.5          |
| Reach-903 | 2982.96     | 0.00149               | 2309.05                           | Trapezoid     | 15000                 | 0.032                 | 19269.37              | 19573.21             | 4.0822                      | 2315.87         |
| Reach-904 | 1246.72     | 0.0004                | 2313.5                            | Trapezoid     | 15000                 | 0.032                 | 18905.6               | 19074.37             | 2.4817                      | 2322.18         |
| Reach-905 | 273.96      | 0.00103               | 2313                              | Trapezoid     | 15000                 | 0.032                 | 19074.37              | 19099.47             | 3.5456                      | 2320.28         |
| Reach-906 | 3101.8      | 0.00122               | 2313.28                           | Trapezoid     | 15000                 | 0.032                 | 6276.85               | 6432.88              | 2.8602                      | 2317.91         |
| Reach-907 | 9008.77     | 0.00116               | 2317.07                           | Trapezoid     | 15000                 | 0.032                 | 6101.82               | 6136.4               | 2.7868                      | 2321.7          |
| Reach-908 | 2768.39     | 0.00158               | 2327.53                           | Trapezoid     | 15000                 | 0.032                 | 5992.74               | 6095.1               | 3.1149                      | 2331.87         |
| Reach-909 | 1219.36     | 0.0016                | 2331.92                           | Trapezoid     | 15000                 | 0.032                 | 5927.64               | 6008.54              | 3.1211                      | 2336.22         |
| Reach-910 | 3891.12     | 0.00209               | 2333.87                           | Trapezoid     | 15000                 | 0.032                 | 5283.76               | 5414.98              | 3.3519                      | 2337.78         |
| Reach-911 | 5718.16     | 0.00455               | 2325.72                           | Trapezoid     | 15000                 | 0.032                 | 4828.79               | 4909.44              | 4.3868                      | 2328.99         |
| Reach-912 | 1744.32     | 0.00013               | 2351.71                           | Trapezoid     | 15000                 | 0.032                 | 4755.32               | 4843.59              | 1.1527                      | 2358.08         |
| Reach-913 | 4223.02     | 0.00039               | 2351.94                           | Trapezoid     | 15000                 | 0.032                 | 4620.02               | 4775.08              | 1.7275                      | 2357.06         |
| Reach-914 | 3112.15     | 0.00045               | 2312.49                           | Trapezoid     | 15000                 | 0.032                 | 2992.66               | 3050.77              | 1.6349                      | 2316.72         |
| Reach-915 | 9184.72     | 0.00121               | 2313.89                           | Trapezoid     | 15000                 | 0.032                 | 2976.11               | 2989.39              | 2.3655                      | 2317.39         |
| Reach-916 | 7761.15     | 0.00171               | 2325.04                           | Trapezoid     | 15000                 | 0.032                 | 2645.54               | 2662.08              | 2.6147                      | 2328.17         |
| Reach-917 | 509.13      | 0.00093               | 2338.27                           | Trapezoid     | 15000                 | 0.032                 | 2635.81               | 2636.34              | 2.0791                      | 2341.78         |
| Reach-918 | 4186.31     | 0.00228               | 2338.75                           | Trapezoid     | 15000                 | 0.032                 | 2579.89               | 2634.02              | 2.8941                      | 2341.69         |
| Reach-919 | 1018.25     | 0.00029               | 2313.28                           | Trapezoid     | 15000                 | 0.032                 | 12819.56              | 12846.96             | 1.996                       | 2321.24         |
| Reach-920 | 6441.78     | 0.00244               | 2348.31                           | Trapezoid     | 15000                 | 0.032                 | 1182.68               | 1200.94              | 2.442                       | 2350.46         |
| Reach-921 | 398.11      | 0.00221               | 2364.01                           | Trapezoid     | 15000                 | 0.032                 | 1188.9                | 1191.26              | 2.3561                      | 2366.21         |
| Reach-922 | 5055.84     | 0.00068               | 2312.99                           | Trapezoid     | 15000                 | 0.032                 | 6716.28               | 6742.29              | 2.3367                      | 2318.3          |
| Reach-923 | 4096.54     | 0.00282               | 2364.89                           | Trapezoid     | 15000                 | 0.032                 | 1180.84               | 1183.24              | 2.5772                      | 2366.98         |
| Reach-924 | 1383.47     | 0.00091               | 2376.46                           | Trapezoid     | 15000                 | 0.032                 | 975.42                | 989.07               | 1.6079                      | 2378.87         |
| Reach-925 | 7777.03     | 0.00493               | 2316.45                           | Trapezoid     | 15000                 | 0.032                 | 6474.79               | 6722.75              | 4.8651                      | 2320.05         |
| Reach-926 | 3765.53     | 0.00372               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 955.41                | 979.22               | 2.7114                      | 2379.55         |
| Reach-927 | 6814.89     | 0.00159               | 2301.7                            | Trapezoid     | 15000                 | 0.032                 | 551.7                 | 574.33               | 1.7184                      | 2303.44         |
| Reach-928 | 5240.14     | 0.00206               | 2312.53                           | Trapezoid     | 15000                 | 0.032                 | 337.08                | 363.87               | 1.6738                      | 2313.9          |
| Reach-929 | 5349.6      | 0.00112               | 2312.49                           | Trapezoid     | 15000                 | 0.032                 | 521.03                | 532.27               | 1.4855                      | 2314.31         |
| Reach-930 | 2015.87     | 0.00067               | 2359.11                           | Trapezoid     | 15000                 | 0.032                 | 1706.64               | 1714.28              | 1.649                       | 2362.28         |
| Reach-932 | 6796.5      | 0.00169               | 2318.5                            | Trapezoid     | 15000                 | 0.032                 | 508.93                | 520.4                | 1.723                       | 2320.17         |
| Reach-933 | 2037.68     | 0.0007                | 2312.99                           | Trapezoid     | 15000                 | 0.032                 | 6268.11               | 6432.55              | 2.3217                      | 2318.14         |
| Reach-934 | 3561.98     | 0.0019                | 2314.43                           | Trapezoid     | 15000                 | 0.032                 | 6312.34               | 6440.24              | 3.3816                      | 2318.7          |
| Reach-935 | 1382.17     | 0.002                 | 2321.19                           | Trapezoid     | 15000                 | 0.032                 | 4722.05               | 4765.16              | 3.2056                      | 2324.98         |
| Reach-936 | 1676.57     | 0.0016                | 2318.43                           | Trapezoid     | 15000                 | 0.032                 | 4670.59               | 4714.72              | 2.9403                      | 2322.37         |
| Reach-937 | 3454.55     | 0.00191               | 2321.11                           | Trapezoid     | 15000                 | 0.032                 | 3492.44               | 3531.32              | 2.9216                      | 2324.52         |
| Reach-938 | 3204.73     | 0.00046               | 2321.19                           | Trapezoid     | 15000                 | 0.032                 | 1687.04               | 1793.09              | 1.4281                      | 2324.58         |
| Reach-939 | 10202.32    | 0.00453               | 2327.69                           | Trapezoid     | 15000                 | 0.032                 | 2410.21               | 2577                 | 3.6802                      | 2330.2          |



## Routing Table

| Reach ID  | Length (ft) | Channel Slope (ft/ft) | Downstream Invert Elevations (ft) | Element Shape | Index Discharge (cfs) | Manning's Roughness n | Maximum Outflow (cfs) | Maximum Inflow (cfs) | Peak Flow Velocity (ft/sec) | Peak Stage (ft) |
|-----------|-------------|-----------------------|-----------------------------------|---------------|-----------------------|-----------------------|-----------------------|----------------------|-----------------------------|-----------------|
| Reach-940 | 6275.41     | 0.00463               | 2322.65                           | Trapezoid     | 15000                 | 0.032                 | 1259.08               | 1296.89              | 3.1538                      | 2324.6          |
| Reach-941 | 21931.23    | 0.00398               | 2348.31                           | Trapezoid     | 15000                 | 0.032                 | 1409.19               | 1440.16              | 3.0651                      | 2350.4          |
| Reach-942 | 11144.39    | 0.00324               | 2432.45                           | Trapezoid     | 15000                 | 0.032                 | 940.23                | 945.22               | 2.5643                      | 2434.32         |
| Reach-943 | 16249.69    | 0.00421               | 2359.11                           | Trapezoid     | 15000                 | 0.032                 | 1024.43               | 1039.52              | 2.8902                      | 2360.94         |
| Reach-944 | 8144.67     | 0.00568               | 2427.6                            | Trapezoid     | 15000                 | 0.032                 | 990.42                | 1005.35              | 3.2063                      | 2429.31         |
| Reach-945 | 1451.68     | 0.00419               | 2473.85                           | Trapezoid     | 15000                 | 0.032                 | 1004.24               | 1019.04              | 2.8707                      | 2475.67         |
| Reach-946 | 4657.33     | 0.00647               | 2479.92                           | Trapezoid     | 15000                 | 0.032                 | 1000.31               | 1016.87              | 3.3751                      | 2481.59         |
| Reach-947 | 3767.23     | 0.00011               | 2306.62                           | Trapezoid     | 15000                 | 0.032                 | 3785.03               | 3801.39              | 1.0226                      | 2312.65         |
| Reach-948 | 7886.46     | 0.00632               | 2510.04                           | Trapezoid     | 15000                 | 0.032                 | 1003.93               | 1037.33              | 3.3486                      | 2511.72         |
| Reach-949 | 984.28      | 0.00351               | 2559.88                           | Trapezoid     | 15000                 | 0.032                 | 913.72                | 927.57               | 2.6235                      | 2561.7          |
| Reach-950 | 7492.61     | 0.00107               | 2307.05                           | Trapezoid     | 15000                 | 0.032                 | 3019.6                | 3026.28              | 2.2671                      | 2310.65         |
| Reach-951 | 1978.35     | 0.0159                | 2315.07                           | Trapezoid     | 15000                 | 0.032                 | 2499.39               | 2500.18              | 5.9459                      | 2317.07         |
| Reach-952 | 3873.83     | 0.00556               | 2563.34                           | Trapezoid     | 15000                 | 0.032                 | 906.99                | 924.51               | 3.1114                      | 2565            |
| Reach-953 | 1349.85     | 0.0081                | 2584.86                           | Trapezoid     | 15000                 | 0.032                 | 542.15                | 565.6                | 3.1496                      | 2586.12         |
| Reach-954 | 1941.5      | 0.00793               | 2595.8                            | Trapezoid     | 15000                 | 0.032                 | 289.54                | 333.7                | 2.6706                      | 2596.79         |
| Reach-955 | 5232.98     | 0.00807               | 2283.61                           | Trapezoid     | 15000                 | 0.032                 | 2178.7                | 2188.94              | 4.4554                      | 2285.77         |
| Reach-956 | 1743.25     | 0.00132               | 2325.86                           | Trapezoid     | 15000                 | 0.032                 | 1092.66               | 1120.18              | 1.9017                      | 2328.21         |
| Reach-957 | 3218.89     | 0.00658               | 2402.29                           | Trapezoid     | 15000                 | 0.032                 | 252.58                | 254.16               | 2.4065                      | 2403.27         |
| Reach-958 | 3142.39     | 0.00373               | 2328.16                           | Trapezoid     | 15000                 | 0.032                 | 620.85                | 645.35               | 2.4365                      | 2329.71         |
| Reach-959 | 6268.48     | 0.0156                | 2595.8                            | Trapezoid     | 15000                 | 0.032                 | 260.89                | 292.76               | 3.3529                      | 2596.63         |
| Reach-960 | 4992.88     | 0.00689               | 2423.47                           | Trapezoid     | 15000                 | 0.032                 | 160.91                | 161.03               | 2.187                       | 2424.28         |
| Reach-961 | 542.68      | 0.00376               | 2328.16                           | Trapezoid     | 15000                 | 0.032                 | 321.38                | 322.25               | 2.0724                      | 2329.36         |
| Reach-962 | 6325.97     | 0.0028                | 2339.87                           | Trapezoid     | 15000                 | 0.032                 | 416.02                | 424.96               | 1.9795                      | 2341.27         |
| Reach-963 | 1869.47     | 0.00225               | 2327.69                           | Trapezoid     | 15000                 | 0.032                 | 875.86                | 878.04               | 2.1973                      | 2329.64         |
| Reach-964 | 2505.3      | 0.01078               | 2578.17                           | Trapezoid     | 15000                 | 0.032                 | 260.18                | 274.56               | 2.9172                      | 2579.07         |
| Reach-965 | 4552.67     | 0.01838               | 2693.62                           | Trapezoid     | 15000                 | 0.032                 | 278.06                | 279.41               | 3.6228                      | 2694.45         |
| Reach-966 | 16324.72    | 0.0216                | 2611.2                            | Trapezoid     | 15000                 | 0.032                 | 283.15                | 294.04               | 3.8663                      | 2612.01         |
| Reach-967 | 4588.88     | 0.00779               | 2457.87                           | Trapezoid     | 15000                 | 0.032                 | 101.91                | 104.74               | 2.0426                      | 2458.53         |
| Reach-968 | 469.36      | 0.0034                | 2321.11                           | Trapezoid     | 15000                 | 0.032                 | 1256.09               | 1268.41              | 2.8074                      | 2323.18         |
| Reach-969 | 12468.67    | 0.0075                | 2423.47                           | Trapezoid     | 15000                 | 0.032                 | 58.73                 | 59.01                | 1.7542                      | 2424            |
| Reach-970 | 3702.38     | 0.01803               | 2605.17                           | Trapezoid     | 15000                 | 0.032                 | 77.36                 | 83.6                 | 2.611                       | 2605.67         |
| Reach-971 | 3672.61     | 0.00343               | 2325.72                           | Trapezoid     | 15000                 | 0.032                 | 369.59                | 384.17               | 2.0736                      | 2327.01         |
| Reach-972 | 7297.07     | 0.00493               | 2325.86                           | Trapezoid     | 15000                 | 0.032                 | 988.32                | 1050.02              | 3.0389                      | 2327.61         |
| Reach-973 | 2929.42     | 0.00241               | 2319.51                           | Trapezoid     | 15000                 | 0.032                 | 1121.45               | 1208.88              | 2.3986                      | 2321.62         |
| Reach-974 | 3515.87     | 0.01265               | 2516.98                           | Trapezoid     | 15000                 | 0.032                 | 40.97                 | 41.41                | 1.9499                      | 2517.39         |
| Reach-975 | 8233.65     | 0.00764               | 2402.29                           | Trapezoid     | 15000                 | 0.032                 | 52.68                 | 52.68                | 1.7189                      | 2402.8          |
| Reach-976 | 3261.72     | 0.00479               | 2322.65                           | Trapezoid     | 15000                 | 0.032                 | 347.52                | 361.19               | 2.3141                      | 2323.83         |
| Reach-977 | 2952.04     | 0.01271               | 2493.62                           | Trapezoid     | 15000                 | 0.032                 | 59.48                 | 61.35                | 2.1444                      | 2494.1          |
| Reach-979 | 8065.32     | 0.06832               | 2963.85                           | Trapezoid     | 15000                 | 0.032                 | 0                     | 0                    | 0                           | 2963.85         |
| Reach-980 | 4824.63     | 0.07289               | 2777.31                           | Trapezoid     | 15000                 | 0.032                 | 0                     | 0                    | 0                           | 2777.31         |
| Reach-981 | 15063.65    | 0.00349               | 2331.9                            | Trapezoid     | 15000                 | 0.032                 | 433.48                | 446.25               | 2.1721                      | 2333.26         |
| Reach-982 | 7309.76     | 0.00703               | 2361.84                           | Trapezoid     | 15000                 | 0.032                 | 677.68                | 694.03               | 3.1583                      | 2363.26         |
| Reach-983 | 14126.68    | 0.00799               | 2326.56                           | Trapezoid     | 15000                 | 0.032                 | 430.69                | 433.12               | 2.9581                      | 2327.72         |
| Reach-984 | 16019.36    | 0.00684               | 2326.56                           | Trapezoid     | 15000                 | 0.032                 | 185.67                | 211.34               | 2.2606                      | 2327.42         |
| Reach-991 | 2511.68     | 0.02007               | 2561.46                           | Trapezoid     | 15000                 | 0.032                 | 39.98                 | 40                   | 2.304                       | 2561.83         |
| Reach-992 | 5017.85     | 0.00487               | 2338.31                           | Trapezoid     | 15000                 | 0.032                 | 161.12                | 176.4                | 1.9209                      | 2339.18         |

## Routing Table

| Reach ID   | Length (ft) | Channel Slope (ft/ft) | Downstream Invert Elevations (ft) | Element Shape | Index Discharge (cfs) | Manning's Roughness n | Maximum Outflow (cfs) | Maximum Inflow (cfs) | Peak Flow Velocity (ft/sec) | Peak Stage (ft) |
|------------|-------------|-----------------------|-----------------------------------|---------------|-----------------------|-----------------------|-----------------------|----------------------|-----------------------------|-----------------|
| Reach-998  | 10328.61    | 0.01471               | 2457.87                           | Trapezoid     | 15000                 | 0.032                 | 33.17                 | 37.09                | 1.9571                      | 2458.23         |
| Reach-1009 | 5124.02     | 0.00283               | 2338.75                           | Trapezoid     | 15000                 | 0.032                 | 75.68                 | 77.28                | 1.2972                      | 2339.47         |
| Reach-1010 | 6071.16     | 0.00408               | 2364.89                           | Trapezoid     | 15000                 | 0.032                 | 10.44                 | 10.46                | 0.906                       | 2365.18         |
| Reach-1013 | 127.28      | 0.00341               | 2873                              | Trapezoid     | 15000                 | 0.032                 | 1092.96               | 1093.42              | 2.7143                      | 2874.96         |
| Reach-1014 | 3401.72     | 0.00677               | 2584.86                           | Trapezoid     | 15000                 | 0.032                 | 402.16                | 412.4                | 2.7327                      | 2586.02         |
| Reach-1015 | 11059.33    | 0.00327               | 2376.46                           | Trapezoid     | 15000                 | 0.032                 | 201.85                | 205.66               | 1.7506                      | 2377.48         |
| Reach-1016 | 2289.66     | 0.00811               | 2607.89                           | Trapezoid     | 15000                 | 0.032                 | 408.91                | 409.44               | 2.9363                      | 2609.02         |
| Reach-1018 | 1016.03     | 0.00012               | 2307.11                           | Trapezoid     | 15000                 | 0.032                 | 784.55                | 802.71               | 0.7125                      | 2310.38         |
| Reach-1019 | 1824        | 0.00279               | 2412.6                            | Trapezoid     | 15000                 | 0.032                 | 189.93                | 191.05               | 1.6245                      | 2413.63         |
| Reach-1020 | 2867.69     | 0.00904               | 2626.46                           | Trapezoid     | 15000                 | 0.032                 | 395.01                | 427.69               | 3.0318                      | 2627.55         |
| Reach-1021 | 2769.62     | 0.0013                | 2325.04                           | Trapezoid     | 15000                 | 0.032                 | 486.01                | 500.46               | 1.5437                      | 2326.77         |
| Reach-1022 | 3307.95     | 0.00405               | 2417.69                           | Trapezoid     | 15000                 | 0.032                 | 175.24                | 175.98               | 1.8307                      | 2418.62         |
| Reach-1023 | 1562.79     | 0.00174               | 2328.64                           | Trapezoid     | 15000                 | 0.032                 | 427.56                | 438.56               | 1.6676                      | 2330.19         |
| Reach-1024 | 5579.91     | 0.00207               | 2307.23                           | Trapezoid     | 15000                 | 0.032                 | 664.9                 | 671.15               | 1.9878                      | 2309.01         |
| Reach-1025 | 2452.3      | 0.00325               | 2431.09                           | Trapezoid     | 15000                 | 0.032                 | 132.87                | 133.43               | 1.573                       | 2431.96         |
| Reach-1026 | 7084.77     | 0.0167                | 2652.39                           | Trapezoid     | 15000                 | 0.032                 | 383.56                | 387.24               | 3.7881                      | 2653.35         |
| Reach-1027 | 4088.98     | 0.00256               | 2318.79                           | Trapezoid     | 15000                 | 0.032                 | 605.37                | 643.09               | 2.1026                      | 2320.44         |
| Reach-1028 | 1030.84     | 0.00473               | 2795.74                           | Trapezoid     | 15000                 | 0.032                 | 382.94                | 396.27               | 2.3599                      | 2796.95         |
| Reach-1029 | 3461.19     | 0.00213               | 2439.05                           | Trapezoid     | 15000                 | 0.032                 | 75.39                 | 75.84                | 1.165                       | 2439.81         |
| Reach-1030 | 1339.07     | 0.00451               | 2446.41                           | Trapezoid     | 15000                 | 0.032                 | 48.99                 | 49.64                | 1.3854                      | 2446.96         |
| Reach-1031 | 1598.79     | 0.00922               | 2795.74                           | Trapezoid     | 15000                 | 0.032                 | 384.52                | 394.95               | 3.0338                      | 2796.81         |
| Reach-1032 | 18372.83    | 0.02758               | 2872.56                           | Trapezoid     | 15000                 | 0.032                 | 1093.42               | 1175.99              | 5.9427                      | 2873.87         |
| Reach-1033 | 8700.43     | 0.00219               | 2333.87                           | Trapezoid     | 15000                 | 0.032                 | 596.32                | 603.37               | 1.9756                      | 2335.55         |
| Reach-1034 | 3210.98     | 0.01157               | 2800.61                           | Trapezoid     | 15000                 | 0.032                 | 393.67                | 442.41               | 3.3228                      | 2801.65         |
| Reach-1035 | 997.72      | 0.01186               | 2810.48                           | Trapezoid     | 15000                 | 0.032                 | 332.41                | 338.55               | 3.2147                      | 2811.45         |
| Reach-1036 | 8211.02     | 0.00164               | 2313.5                            | Trapezoid     | 15000                 | 0.032                 | 600.76                | 601.81               | 1.7759                      | 2315.29         |
| Reach-1037 | 2129.04     | 0.04813               | 3379.28                           | Trapezoid     | 15000                 | 0.032                 | 927.4                 | 938.77               | 7.0261                      | 3380.38         |
| Reach-1039 | 2460.05     | 0.00185               | 2352.95                           | Trapezoid     | 15000                 | 0.032                 | 504.72                | 508.29               | 1.7787                      | 2354.59         |
| Reach-1040 | 12041.03    | 0.00229               | 2331.36                           | Trapezoid     | 15000                 | 0.032                 | 315.99                | 317.75               | 1.7136                      | 2332.67         |
| Reach-1042 | 4711.58     | 0.02651               | 3481.75                           | Trapezoid     | 15000                 | 0.032                 | 776.92                | 795.26               | 5.3751                      | 3482.9          |
| Reach-1044 | 12259.68    | 0.00268               | 2329.25                           | Trapezoid     | 15000                 | 0.032                 | 465.4                 | 501.95               | 2.0027                      | 2330.73         |
| Reach-1045 | 7669.7      | 0.0054                | 2427.6                            | Trapezoid     | 15000                 | 0.032                 | 21.3                  | 21.33                | 1.2032                      | 2427.97         |
| Reach-1046 | 4884.82     | 0.01875               | 2937.85                           | Trapezoid     | 15000                 | 0.032                 | 48.97                 | 50.84                | 2.363                       | 2938.26         |
| Reach-1047 | 14022.67    | 0.01796               | 2770.73                           | Trapezoid     | 15000                 | 0.032                 | 328.81                | 349.13               | 3.7455                      | 2771.62         |
| Reach-1049 | 2282.38     | 0.00217               | 2306.69                           | Trapezoid     | 15000                 | 0.032                 | 19295.09              | 19549.34             | 4.7015                      | 2313.05         |
| Reach-1052 | 12551.97    | 0.01006               | 2452.45                           | Trapezoid     | 15000                 | 0.032                 | 13.46                 | 13.52                | 1.3542                      | 2452.72         |
| Reach-1053 | 1729.8      | 0.00029               | 2313.89                           | Trapezoid     | 15000                 | 0.032                 | 169.43                | 174.2                | 0.6757                      | 2315.42         |
| Reach-1055 | 4769.29     | 0.0024                | 2312.3                            | Trapezoid     | 15000                 | 0.032                 | 371.96                | 399.12               | 1.8167                      | 2313.68         |
| Reach-1056 | 12829.93    | 0.04098               | 2837.76                           | Trapezoid     | 15000                 | 0.032                 | 389.85                | 413.92               | 5.3249                      | 2838.57         |
| Reach-1057 | 3366.28     | 0.00755               | 2468.99                           | Trapezoid     | 15000                 | 0.032                 | 17.42                 | 17.46                | 1.2972                      | 2469.31         |
| Reach-1058 | 6192.47     | 0.03322               | 3606.65                           | Trapezoid     | 15000                 | 0.032                 | 195.96                | 213.79               | 4.1433                      | 3607.29         |
| Reach-1059 | 11901.71    | 0.00162               | 2326.96                           | Trapezoid     | 15000                 | 0.032                 | 255.12                | 260.99               | 1.4266                      | 2328.25         |
| Reach-1060 | 9967.06     | 0.00354               | 2357.51                           | Trapezoid     | 15000                 | 0.032                 | 274.23                | 278.83               | 1.9472                      | 2358.65         |
| Reach-1061 | 1777.27     | 0.08199               | 3363.53                           | Trapezoid     | 15000                 | 0.032                 | 317                   | 333.54               | 6.5571                      | 3364.18         |
| Reach-1062 | 1974.55     | 0.01151               | 2693.82                           | Trapezoid     | 15000                 | 0.032                 | 25.8                  | 26.48                | 1.6763                      | 2694.17         |
| Reach-1063 | 0           | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 0                     | 0                    | 0                           | 2377.72         |

## Routing Table

| Reach ID   | Length (ft) | Channel Slope (ft/ft) | Downstream Invert Elevations (ft) | Element Shape | Index Discharge (cfs) | Manning's Roughness n | Maximum Outflow (cfs) | Maximum Inflow (cfs) | Peak Flow Velocity (ft/sec) | Peak Stage (ft) |
|------------|-------------|-----------------------|-----------------------------------|---------------|-----------------------|-----------------------|-----------------------|----------------------|-----------------------------|-----------------|
| Reach-1064 | 3883.44     | 0.04457               | 3606.65                           | Trapezoid     | 15000                 | 0.032                 | 378.34                | 413.82               | 5.4541                      | 3607.43         |
| Reach-1067 | 3452.54     | 0.00992               | 2578.67                           | Trapezoid     | 15000                 | 0.032                 | 10.34                 | 10.35                | 1.2612                      | 2578.91         |
| Reach-1068 | 5579.04     | 0.02564               | 2963.85                           | Trapezoid     | 15000                 | 0.032                 | 102.55                | 107.29               | 3.1973                      | 2964.37         |
| Reach-1071 | 12119.96    | 0.00291               | 2358.92                           | Trapezoid     | 15000                 | 0.032                 | 19.39                 | 19.43                | 0.9321                      | 2359.33         |
| Reach-1072 | 6994.87     | 0.04102               | 3029.43                           | Trapezoid     | 15000                 | 0.032                 | 46.08                 | 48.26                | 3.121                       | 3029.77         |
| Reach-1073 | 3064.37     | 0.0402                | 3812.36                           | Trapezoid     | 15000                 | 0.032                 | 151.72                | 152.71               | 4.1742                      | 3812.91         |
| Reach-1074 | 4149.19     | 0.01268               | 2652.39                           | Trapezoid     | 15000                 | 0.032                 | 35.93                 | 36.47                | 1.8886                      | 2652.78         |
| Reach-1075 | 723.33      | 0.0453                | 3779.75                           | Trapezoid     | 15000                 | 0.032                 | 202.58                | 208.66               | 4.693                       | 3780.36         |
| Reach-1076 | 1888.92     | 0.01817               | 2283.61                           | Trapezoid     | 15000                 | 0.032                 | 285.98                | 287.37               | 3.6327                      | 2284.45         |
| Reach-1079 | 3191.81     | 0.01323               | 2782.61                           | Trapezoid     | 15000                 | 0.032                 | 60.14                 | 66.43                | 2.183                       | 2783.09         |
| Reach-1080 | 9371.82     | 0.00334               | 2362.08                           | Trapezoid     | 15000                 | 0.032                 | 254.75                | 260.93               | 1.8704                      | 2363.2          |
| Reach-1083 | 1139.61     | 0.00436               | 2431.09                           | Trapezoid     | 15000                 | 0.032                 | 22.32                 | 23.16                | 1.1235                      | 2431.49         |
| Reach-1102 | 20375.19    | 0.04382               | 2822.31                           | Trapezoid     | 15000                 | 0.032                 | 304.94                | 317.8                | 5.1346                      | 2823.03         |
| Reach-1169 | 6251.37     | 0.02299               | 2822.31                           | Trapezoid     | 15000                 | 0.032                 | 33.61                 | 36.69                | 2.3213                      | 2822.64         |
| Reach-1173 | 1523.91     | 0.00065               | 2307.11                           | Trapezoid     | 15000                 | 0.032                 | 92.29                 | 96.31                | 0.7854                      | 2308.15         |
| Reach-1178 | 6828.54     | 0.00965               | 2716.55                           | Trapezoid     | 15000                 | 0.032                 | 9.72                  | 9.74                 | 1.2291                      | 2716.79         |
| Reach-1190 | 1478.56     | 0.02979               | 3029.43                           | Trapezoid     | 15000                 | 0.032                 | 5.99                  | 6.02                 | 1.661                       | 3029.58         |
| Reach-1206 | 953.27      | 0.01144               | 2716.55                           | Trapezoid     | 15000                 | 0.032                 | 13.91                 | 13.93                | 1.4329                      | 2716.82         |
| Reach-1207 | 1369.5      | 0.01686               | 2937.85                           | Trapezoid     | 15000                 | 0.032                 | 0                     | 0                    | 0                           | 2937.85         |
| Reach-1208 | 211.79      | 0.00667               | 2417.69                           | Trapezoid     | 15000                 | 0.032                 | 21.14                 | 21.18                | 1.2998                      | 2418.05         |
| Reach-1209 | 2728.96     | 0.02628               | 2693.82                           | Trapezoid     | 15000                 | 0.032                 | 0                     | 0                    | 0                           | 2693.82         |
| Reach-1210 | 549.87      | 0.01158               | 2716.55                           | Trapezoid     | 15000                 | 0.032                 | 12.56                 | 13.27                | 1.403                       | 2716.8          |
| Reach-1213 | 2095.51     | 0.00228               | 2312.3                            | Trapezoid     | 15000                 | 0.032                 | 0                     | 0                    | 0                           | 2312.3          |
| Reach-1214 | 1380.09     | 0.00618               | 2436.05                           | Trapezoid     | 15000                 | 0.032                 | 22.33                 | 22.52                | 1.2807                      | 2436.42         |
| Reach-1215 | 540.1       | 0.01932               | 2612.88                           | Trapezoid     | 15000                 | 0.032                 | 0                     | 0                    | 0                           | 2612.88         |
| Reach-1216 | 1705.19     | 0.00053               | 2303.37                           | Trapezoid     | 15000                 | 0.032                 | 0                     | 0                    | 0                           | 2303.37         |
| Reach-1217 | 388.44      | 0.01376               | 2872.56                           | Trapezoid     | 15000                 | 0.032                 | 1092.04               | 1093.02              | 4.5778                      | 2874.06         |
| Reach-1218 | 5373.56     | 0.00203               | 2331.36                           | Trapezoid     | 15000                 | 0.032                 | 0                     | 0                    | 0                           | 2331.36         |
| Reach-1219 | 211.79      | 0.00394               | 2436.05                           | Trapezoid     | 15000                 | 0.032                 | 3.56                  | 3.56                 | 0.6829                      | 2436.23         |
| Reach-1223 | 8320.03     | 0.00237               | 2338.27                           | Trapezoid     | 15000                 | 0.032                 | 0                     | 0                    | 0                           | 2338.27         |
| Reach-1224 | 1854.21     | 0.00143               | 2318.5                            | Trapezoid     | 15000                 | 0.032                 | 24.36                 | 24.8                 | 0.7562                      | 2319.02         |
| Reach-1227 | 652.49      | 0.00369               | 2364.01                           | Trapezoid     | 15000                 | 0.032                 | 0                     | 0                    | 0                           | 2364.01         |
| Reach-1228 | 380.34      | 0.0191                | 2350.28                           | Trapezoid     | 15000                 | 0.032                 | 3185.02               | 3187.4               | 6.7674                      | 2352.4          |
| Reach-1229 | 596.52      | 0.00009               | 2357.55                           | Trapezoid     | 15000                 | 0.032                 | 3003.5                | 3012.59              | 0.8952                      | 2363.29         |
| Reach-1230 | 1558.83     | 0.00097               | 2357.6                            | Trapezoid     | 15000                 | 0.032                 | 2457.61               | 2498.13              | 2.0755                      | 2360.99         |
| Reach-1231 | 9114.13     | 0.00787               | 2354.78                           | Trapezoid     | 15000                 | 0.032                 | 5608.63               | 5771.66              | 5.5926                      | 2357.9          |
| Reach-1232 | 4116.04     | 0.0088                | 2426.53                           | Trapezoid     | 15000                 | 0.032                 | 5711.71               | 5752.46              | 5.8584                      | 2429.6          |
| Reach-1233 | 14908.11    | 0.00959               | 2462.74                           | Trapezoid     | 15000                 | 0.032                 | 5607.07               | 5789.83              | 6.0223                      | 2465.73         |
| Reach-1234 | 1589.69     | 0.00233               | 2360.47                           | Trapezoid     | 15000                 | 0.032                 | 1073.79               | 1078.59              | 2.3428                      | 2362.56         |
| Reach-1235 | 1034.38     | 0.00042               | 2364.17                           | Trapezoid     | 15000                 | 0.032                 | 629.88                | 638.32               | 1.0785                      | 2366.54         |
| Reach-1236 | 648.12      | 0.00191               | 2363.74                           | Trapezoid     | 15000                 | 0.032                 | 336.8                 | 343.45               | 1.6267                      | 2365.13         |
| Reach-1237 | 1331.68     | 0.00316               | 2364.97                           | Trapezoid     | 15000                 | 0.032                 | 268.96                | 275.56               | 1.857                       | 2366.12         |
| Reach-1238 | 30925.86    | 0.00692               | 2364.17                           | Trapezoid     | 15000                 | 0.032                 | 292.79                | 322.66               | 2.5447                      | 2365.19         |
| Reach-1239 | 7643.55     | 0.00504               | 2363.74                           | Trapezoid     | 15000                 | 0.032                 | 296.72                | 302.84               | 2.2672                      | 2364.84         |
| Reach-1240 | 5915.78     | 0.00628               | 2369.18                           | Trapezoid     | 15000                 | 0.032                 | 55.71                 | 58.82                | 1.6197                      | 2369.72         |
| Reach-1241 | 6417.22     | 0.00737               | 2373.92                           | Trapezoid     | 15000                 | 0.032                 | 2384.89               | 2433.62              | 4.4051                      | 2376.2          |

## Routing Table

| Reach ID   | Length (ft) | Channel Slope (ft/ft) | Downstream Invert Elevations (ft) | Element Shape | Index Discharge (cfs) | Manning's Roughness n | Maximum Outflow (cfs) | Maximum Inflow (cfs) | Peak Flow Velocity (ft/sec) | Peak Stage (ft) |
|------------|-------------|-----------------------|-----------------------------------|---------------|-----------------------|-----------------------|-----------------------|----------------------|-----------------------------|-----------------|
| Reach-1242 | 5150.06     | 0.008                 | 2354.78                           | Trapezoid     | 15000                 | 0.032                 | 918.77                | 952.58               | 3.5776                      | 2356.33         |
| Reach-1243 | 5678.38     | 0.01012               | 2351.69                           | Trapezoid     | 15000                 | 0.032                 | 704.41                | 722.62               | 3.6557                      | 2353.03         |
| Reach-1244 | 3238.95     | 0.00873               | 2395.99                           | Trapezoid     | 15000                 | 0.032                 | 297.33                | 302.37               | 2.787                       | 2396.97         |
| Reach-1245 | 3596.56     | 0.0059                | 2409.16                           | Trapezoid     | 15000                 | 0.032                 | 608.18                | 656.75               | 2.8785                      | 2410.56         |
| Reach-1246 | 4037.46     | 0.00928               | 2395.99                           | Trapezoid     | 15000                 | 0.032                 | 600.66                | 613.74               | 3.4005                      | 2397.27         |
| Reach-1247 | 2124.6      | 0.00617               | 2430.39                           | Trapezoid     | 15000                 | 0.032                 | 542.64                | 574.1                | 2.8448                      | 2431.72         |
| Reach-1248 | 14411.35    | 0.00639               | 2421.22                           | Trapezoid     | 15000                 | 0.032                 | 2060.47               | 2181.81              | 4.0256                      | 2423.43         |
| Reach-1249 | 1130.09     | 0.01918               | 2513.34                           | Trapezoid     | 15000                 | 0.032                 | 736.2                 | 764.19               | 4.6973                      | 2514.53         |
| Reach-1250 | 4681.98     | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 615.03                | 660.43               | 2.638                       | 2379.2          |
| Reach-1251 | 379.01      | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 634.76                | 638.22               | 2.659                       | 2379.22         |
| Reach-1252 | 0           | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 0                     | 0                    | 0                           | 2377.72         |
| Reach-1254 | 13058.94    | 0.01236               | 2433.46                           | Trapezoid     | 15000                 | 0.032                 | 299.23                | 310.4                | 3.18                        | 2434.38         |
| Reach-1256 | 9519.04     | 0.01025               | 2513.34                           | Trapezoid     | 15000                 | 0.032                 | 1272.5                | 1295.98              | 4.2594                      | 2515.01         |
| Reach-1257 | 19496.27    | 0.02987               | 2535.01                           | Trapezoid     | 15000                 | 0.032                 | 0                     | 0                    | 0                           | 2535.01         |
| Reach-1258 | 33887.96    | 0.01025               | 2351.69                           | Trapezoid     | 15000                 | 0.032                 | 0                     | 0                    | 0                           | 2351.69         |
| Reach-1259 | 9660.4      | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 276.67                | 290.7                | 2.1598                      | 2378.8          |
| Reach-1264 | 3944.48     | 0.00579               | 2364.97                           | Trapezoid     | 15000                 | 0.032                 | 147.32                | 149.36               | 2.0042                      | 2365.78         |
| Reach-1265 | 568.85      | 0.00079               | 2357.6                            | Trapezoid     | 15000                 | 0.032                 | 1290.03               | 1318.69              | 1.6354                      | 2360.36         |
| Reach-1266 | 415.84      | 0.00121               | 2360.47                           | Trapezoid     | 15000                 | 0.032                 | 879.07                | 894.66               | 1.7431                      | 2362.67         |
| Reach-1267 | 7904.4      | 0.00492               | 2350.28                           | Trapezoid     | 15000                 | 0.032                 | 1336.96               | 1471.13              | 3.2752                      | 2352.25         |
| Reach-1268 | 3395.09     | 0.00822               | 2387.8                            | Trapezoid     | 15000                 | 0.032                 | 76.52                 | 77.78                | 1.9398                      | 2388.38         |
| Reach-1269 | 3252.74     | 0.0038                | 2358.05                           | Trapezoid     | 15000                 | 0.032                 | 726.5                 | 743.17               | 2.552                       | 2359.69         |
| Reach-1270 | 4011.81     | 0.00215               | 2360.97                           | Trapezoid     | 15000                 | 0.032                 | 557.95                | 585.61               | 1.9296                      | 2362.62         |
| Reach-1271 | 5944.39     | 0.00391               | 2358.05                           | Trapezoid     | 15000                 | 0.032                 | 388.74                | 395.84               | 2.2056                      | 2359.33         |
| Reach-1272 | 6663.07     | 0.00329               | 2360.97                           | Trapezoid     | 15000                 | 0.032                 | 203.25                | 206.34               | 1.7576                      | 2362            |
| Reach-1273 | 5807.93     | 0.00374               | 2389.15                           | Trapezoid     | 15000                 | 0.032                 | 722.43                | 750.44               | 2.5332                      | 2390.79         |
| Reach-1274 | 1074.34     | 0.00818               | 2387.8                            | Trapezoid     | 15000                 | 0.032                 | 68.08                 | 74.08                | 1.8804                      | 2388.35         |
| Reach-1275 | 90          | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 74.08                 | 74.69                | 1.5529                      | 2378.36         |
| Reach-1276 | 4432.54     | 0.00597               | 2389.15                           | Trapezoid     | 15000                 | 0.032                 | 547.01                | 571.27               | 2.8155                      | 2390.49         |
| Reach-1277 | 6240.17     | 0.00573               | 2413.21                           | Trapezoid     | 15000                 | 0.032                 | 474.49                | 528.14               | 2.6756                      | 2414.49         |
| Reach-1278 | 2930.44     | 0.00853               | 2433.46                           | Trapezoid     | 15000                 | 0.032                 | 329.14                | 345.65               | 2.8341                      | 2434.49         |
| Reach-1279 | 1394.63     | 0.00765               | 2448.97                           | Trapezoid     | 15000                 | 0.032                 | 337.76                | 347.46               | 2.7384                      | 2450.03         |
| Reach-1280 | 4305.55     | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 368.87                | 377.93               | 2.3211                      | 2378.93         |
| Reach-1281 | 5158.21     | 0.01402               | 2410.84                           | Trapezoid     | 15000                 | 0.032                 | 199.7                 | 214.53               | 3.0128                      | 2411.61         |
| Reach-1282 | 4041.95     | 0.00722               | 2369.59                           | Trapezoid     | 15000                 | 0.032                 | 158.78                | 181.1                | 2.2183                      | 2370.39         |
| Reach-1283 | 11601.92    | 0.01444               | 2370.42                           | Trapezoid     | 15000                 | 0.032                 | 371.96                | 416.62               | 3.5597                      | 2371.38         |
| Reach-1285 | 3981.62     | 0.01065               | 2410.84                           | Trapezoid     | 15000                 | 0.032                 | 396.71                | 448.71               | 3.2274                      | 2411.9          |
| Reach-1286 | 16472.54    | 0.02725               | 2415.7                            | Trapezoid     | 15000                 | 0.032                 | 52.69                 | 55.09                | 2.7687                      | 2416.09         |
| Reach-1287 | 4545.11     | 0.02328               | 2398.76                           | Trapezoid     | 15000                 | 0.032                 | 17.53                 | 17.56                | 1.9814                      | 2399.01         |
| Reach-1288 | 11921.59    | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 66.99                 | 74.37                | 1.5143                      | 2378.34         |
| Reach-1289 | 1161.85     | 0.00567               | 2382.9                            | Trapezoid     | 15000                 | 0.032                 | 36.43                 | 37.35                | 1.4015                      | 2383.36         |
| Reach-1290 | 90          | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 27.77                 | 27.81                | 1.2147                      | 2378.15         |
| Reach-1291 | 6524.37     | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 319.51                | 342.95               | 2.2391                      | 2378.87         |
| Reach-1292 | 11510.46    | 0.02632               | 2382.9                            | Trapezoid     | 15000                 | 0.032                 | 147.19                | 151.39               | 3.5345                      | 2383.5          |
| Reach-1293 | 4770.63     | 0.00395               | 2357.55                           | Trapezoid     | 15000                 | 0.032                 | 168.72                | 184.37               | 1.7966                      | 2358.47         |
| Reach-1294 | 1617.96     | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 23.93                 | 24.18                | 1.1702                      | 2378.12         |

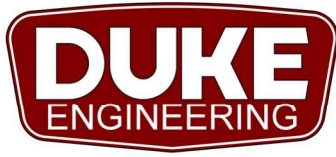


## Routing Table

| Reach ID   | Length (ft) | Channel Slope (ft/ft) | Downstream Invert Elevations (ft) | Element Shape | Index Discharge (cfs) | Manning's Roughness n | Maximum Outflow (cfs) | Maximum Inflow (cfs) | Peak Flow Velocity (ft/sec) | Peak Stage (ft) |
|------------|-------------|-----------------------|-----------------------------------|---------------|-----------------------|-----------------------|-----------------------|----------------------|-----------------------------|-----------------|
| Reach-1296 | 14438.39    | 0.01221               | 2443.49                           | Trapezoid     | 15000                 | 0.032                 | 0                     | 0                    | 0                           | 2443.49         |
| Reach-1297 | 21222.29    | 0.02021               | 2384.42                           | Trapezoid     | 15000                 | 0.032                 | 0                     | 0                    | 0                           | 2384.42         |
| Reach-1298 | 1440.29     | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 0                     | 0                    | 0                           | 2377.72         |
| Reach-1299 | 1361.85     | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 29.31                 | 30.24                | 1.2313                      | 2378.16         |
| Reach-1350 | 5904.91     | 0.02246               | 2389.98                           | Trapezoid     | 15000                 | 0.032                 | 14.81                 | 15.54                | 1.8742                      | 2390.22         |
| Reach-1353 | 1617        | 0.00468               | 2376.39                           | Trapezoid     | 15000                 | 0.032                 | 107.04                | 108.04               | 1.7083                      | 2377.13         |
| Reach-1356 | 2719.87     | 0.01375               | 2389.49                           | Trapezoid     | 15000                 | 0.032                 | 10.26                 | 10.36                | 1.4223                      | 2389.71         |
| Reach-1358 | 270         | 0.00465               | 2376.39                           | Trapezoid     | 15000                 | 0.032                 | 77.32                 | 77.61                | 1.5709                      | 2377.04         |
| Reach-1359 | 563.75      | 0.00651               | 2389.98                           | Trapezoid     | 15000                 | 0.032                 | 13.01                 | 13.18                | 1.1405                      | 2390.27         |
| Reach-1360 | 4395.93     | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 8.33                  | 8.35                 | 0.8987                      | 2377.98         |
| Reach-1361 | 839.4       | 0.00819               | 2396.59                           | Trapezoid     | 15000                 | 0.032                 | 1.77                  | 1.92                 | 0.7545                      | 2396.7          |
| Reach-1365 | 8675.94     | 0.0067                | 2605.75                           | Trapezoid     | 15000                 | 0.032                 | 5586.41               | 5701.58              | 5.26                        | 2608.96         |
| Reach-1366 | 7832.04     | 0.00715               | 2663.87                           | Trapezoid     | 15000                 | 0.032                 | 5351.81               | 5441.25              | 5.3321                      | 2666.99         |
| Reach-1367 | 6392.68     | 0.005                 | 2719.84                           | Trapezoid     | 15000                 | 0.032                 | 5048.8                | 5405.09              | 4.5956                      | 2723.1          |
| Reach-1368 | 2114.98     | 0.01165               | 2751.78                           | Trapezoid     | 15000                 | 0.032                 | 5244.64               | 5325.17              | 6.3705                      | 2754.6          |
| Reach-1369 | 7070.72     | 0.00902               | 2776.42                           | Trapezoid     | 15000                 | 0.032                 | 3404.4                | 3530.36              | 5.1944                      | 2778.93         |
| Reach-1370 | 3457.74     | 0.01374               | 2840.19                           | Trapezoid     | 15000                 | 0.032                 | 3149.92               | 3250.26              | 5.9648                      | 2842.44         |
| Reach-1371 | 3775.57     | 0.00198               | 2887.71                           | Trapezoid     | 15000                 | 0.032                 | 2915.58               | 3083.46              | 2.8304                      | 2890.87         |
| Reach-1372 | 3345.61     | 0.00688               | 2895.2                            | Trapezoid     | 15000                 | 0.032                 | 2815.47               | 2895.45              | 4.4751                      | 2897.66         |
| Reach-1373 | 273.97      | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 2808.29               | 2815.95              | 3.8583                      | 2380.37         |
| Reach-1374 | 2987.87     | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 2646.83               | 2704.49              | 3.8016                      | 2380.31         |
| Reach-1375 | 859.57      | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 2402.93               | 2423.51              | 3.7107                      | 2380.22         |
| Reach-1376 | 3460.5      | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 1766.18               | 1778.42              | 3.4354                      | 2379.94         |
| Reach-1377 | 1831.92     | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 1720.41               | 1729.7               | 3.4129                      | 2379.92         |
| Reach-1378 | 1946.41     | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 1563.33               | 1580.25              | 3.332                       | 2379.84         |
| Reach-1379 | 149.64      | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 1498.58               | 1500.19              | 3.2969                      | 2379.8          |
| Reach-1380 | 1119.94     | 0.00918               | 3041.94                           | Trapezoid     | 15000                 | 0.032                 | 1171.24               | 1171.88              | 4.003                       | 3043.6          |
| Reach-1381 | 5346.85     | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 1048.91               | 1073.73              | 3.0152                      | 2379.54         |
| Reach-1382 | 646.97      | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 1073.73               | 1081.79              | 3.0329                      | 2379.55         |
| Reach-1383 | 3543.93     | 0.0182                | 3093.27                           | Trapezoid     | 15000                 | 0.032                 | 958.79                | 982.86               | 4.9207                      | 3094.62         |
| Reach-1384 | 1957.16     | 0.0005                | 3157.79                           | Trapezoid     | 15000                 | 0.032                 | 972.89                | 990.02               | 1.2838                      | 3160.49         |
| Reach-1385 | 4345.65     | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 623.69                | 640.17               | 2.6473                      | 2379.21         |
| Reach-1386 | 3131.38     | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 628.26                | 654.19               | 2.6521                      | 2379.21         |
| Reach-1387 | 1162.43     | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 0                     | 0                    | 0                           | 2377.72         |
| Reach-1389 | 3340.77     | 0.04897               | 2776.42                           | Trapezoid     | 15000                 | 0.032                 | 1714.12               | 1751.37              | 8.2475                      | 2777.81         |
| Reach-1391 | 4569.55     | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 1101.19               | 1382.54              | 3.0522                      | 2379.57         |
| Reach-1392 | 3462.89     | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 390.64                | 435.81               | 2.3547                      | 2378.96         |
| Reach-1394 | 723.52      | 0.02267               | 2610.87                           | Trapezoid     | 15000                 | 0.032                 | 1071.6                | 1073.76              | 5.4938                      | 2612.22         |
| Reach-1395 | 6155.35     | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 403.22                | 420.13               | 2.3734                      | 2378.97         |
| Reach-1397 | 1881.16     | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 574.1                 | 578.23               | 2.5929                      | 2379.16         |
| Reach-1398 | 2932.08     | 0.01017               | 2594.47                           | Trapezoid     | 15000                 | 0.032                 | 793.14                | 801.06               | 3.7729                      | 2595.86         |
| Reach-1400 | 142.3       | 0.00127               | 2624.28                           | Trapezoid     | 15000                 | 0.032                 | 801.06                | 801.74               | 1.7342                      | 2626.38         |
| Reach-1402 | 1477.81     | 0.00747               | 2624.1                            | Trapezoid     | 15000                 | 0.032                 | 496.53                | 500.94               | 2.989                       | 2625.34         |
| Reach-1403 | 320.93      | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 706.02                | 719.03               | 2.7307                      | 2379.28         |
| Reach-1404 | 7970.67     | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 339.77                | 347.55               | 2.2738                      | 2378.89         |
| Reach-1405 | 4768.99     | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 242.48                | 258.7                | 2.0897                      | 2378.75         |

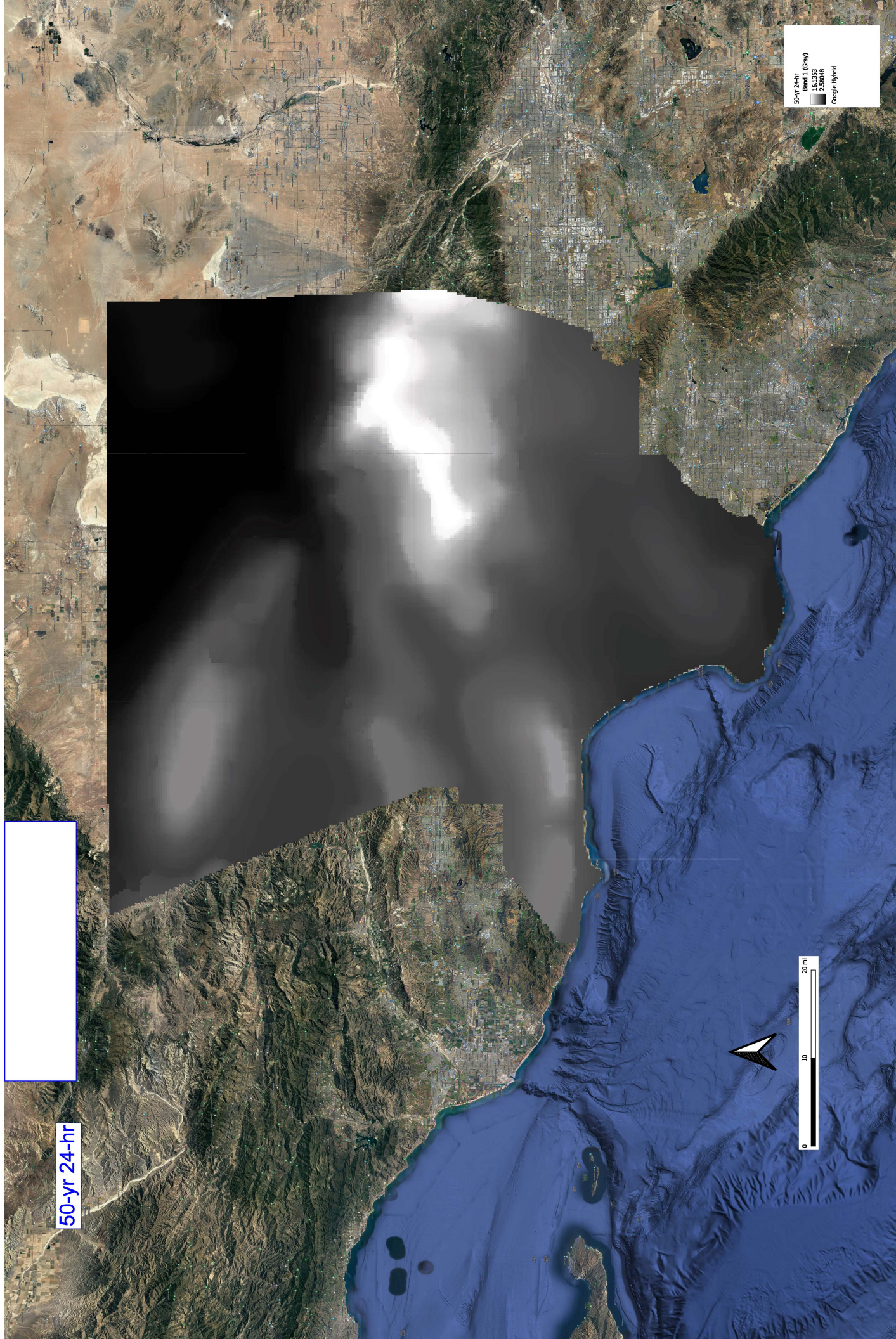
# Routing Table

| Reach ID   | Length (ft) | Channel Slope (ft/ft) | Downstream Invert Elevations (ft) | Element Shape | Index Discharge (cfs) | Manning's Roughness n | Maximum Outflow (cfs) | Maximum Inflow (cfs) | Peak Flow Velocity (ft/sec) | Peak Stage (ft) |
|------------|-------------|-----------------------|-----------------------------------|---------------|-----------------------|-----------------------|-----------------------|----------------------|-----------------------------|-----------------|
| Reach-1412 | 5416.05     | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 381.33                | 451.86               | 2.3405                      | 2378.95         |
| Reach-1413 | 3007.15     | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 323.23                | 404.67               | 2.2456                      | 2378.87         |
| Reach-1415 | 633.27      | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 263.53                | 276.22               | 2.1337                      | 2378.78         |
| Reach-1417 | 3800.48     | 0.04642               | 3271.57                           | Trapezoid     | 15000                 | 0.032                 | 181.59                | 184.26               | 4.6082                      | 3272.15         |
| Reach-1419 | 1519.89     | 0.00556               | 2610.87                           | Trapezoid     | 15000                 | 0.032                 | 257.25                | 288.43               | 2.2696                      | 2611.89         |
| Reach-1420 | 3666.39     | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 73.07                 | 80.05                | 1.5476                      | 2378.36         |
| Reach-1450 | 2438.46     | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 10.19                 | 10.25                | 0.945                       | 2378            |
| Reach-1462 | 846.16      | 0.00464               | 2377.72                           | Trapezoid     | 15000                 | 0.032                 | 109.05                | 118.49               | 1.7108                      | 2378.47         |



## **Appendix XIII: LA County Rainfall Maps**



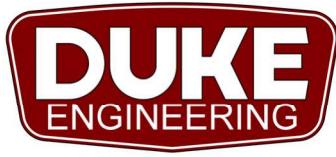


50-yr 24-hr  
Band 1 (Gray)  
16.1353  
2.58048  
Google Hybrid

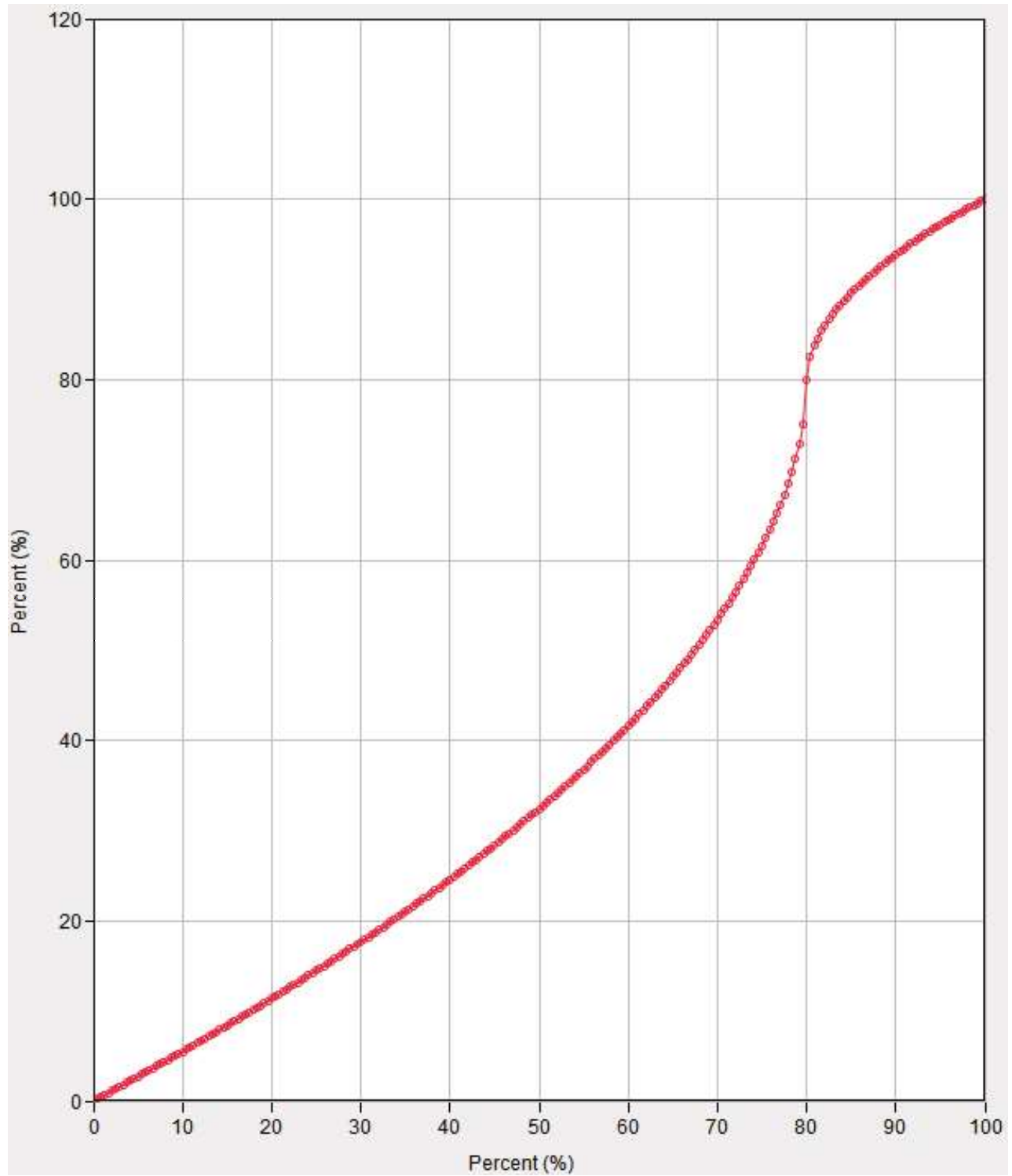
50-yr 24-hr

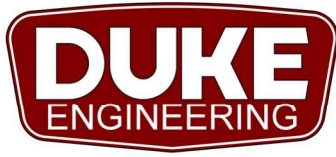
0 10 20 mi





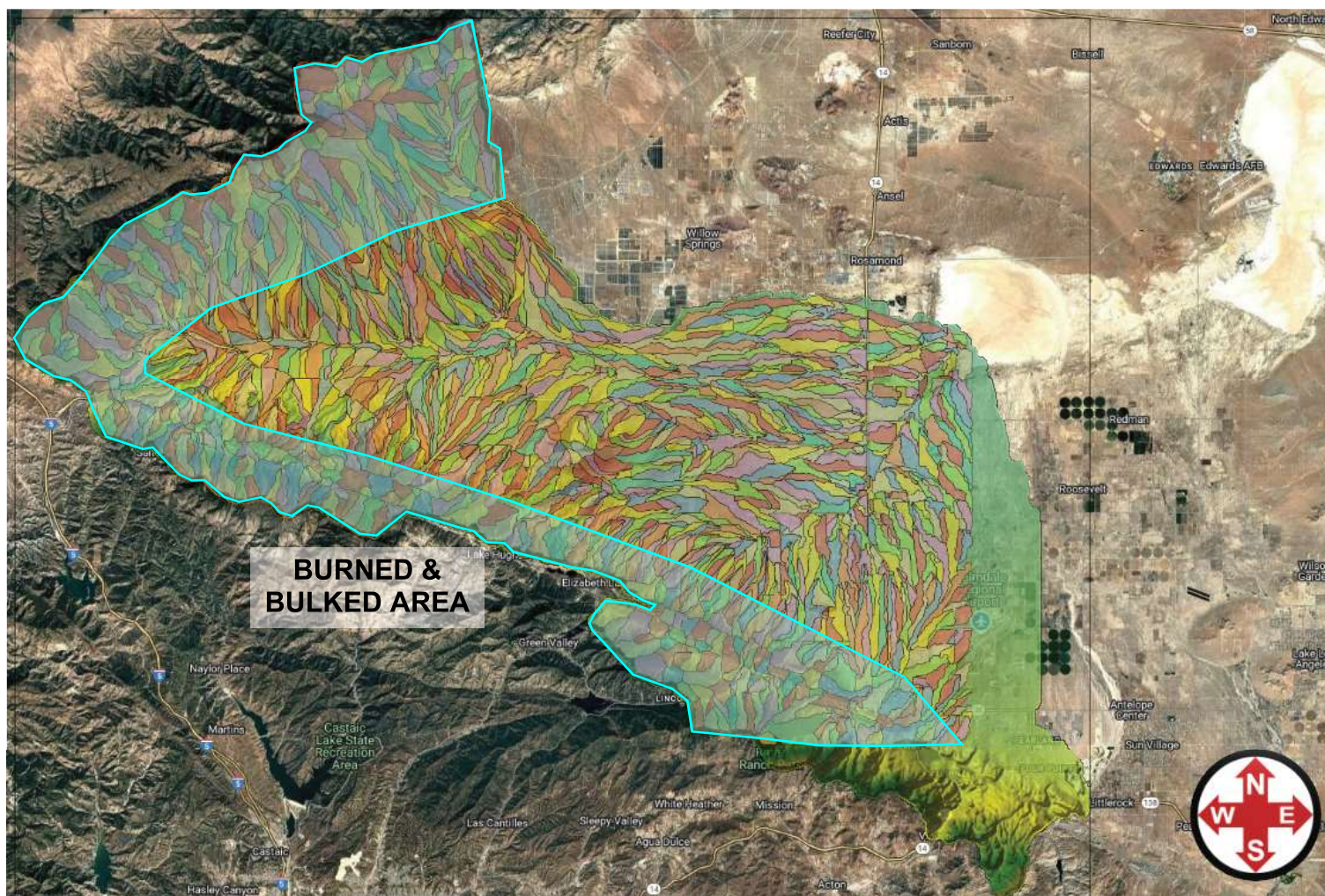
## **Appendix XIV: LA County Unit Hydrograph**

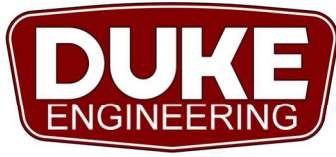




## **Appendix XV: Burned Subbasin Map**



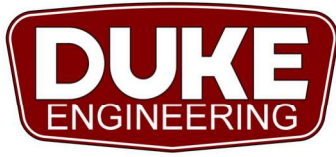




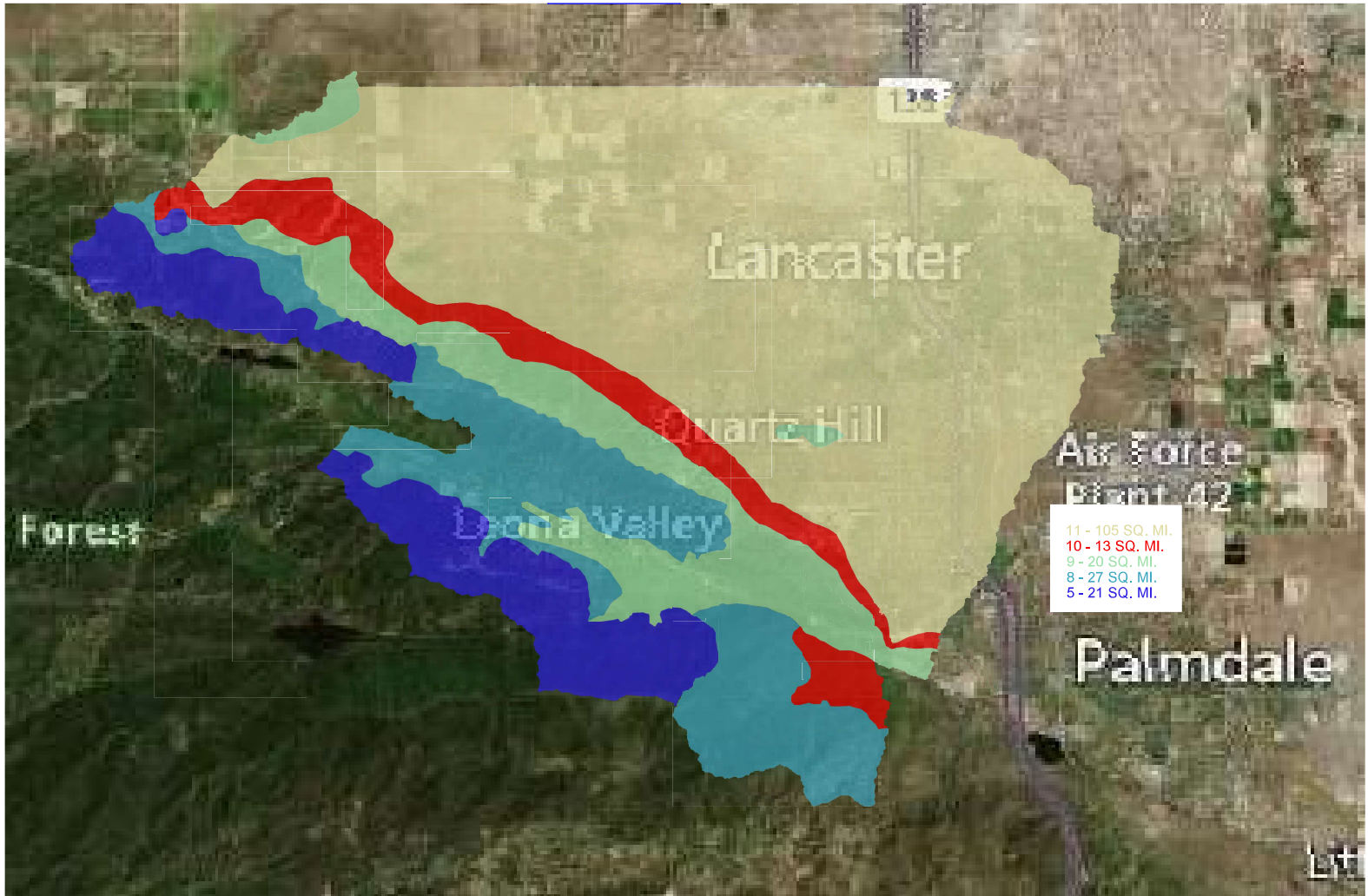
## **Appendix XVI: Not Used**



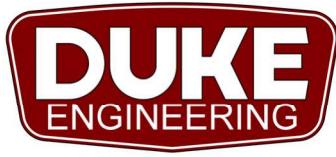
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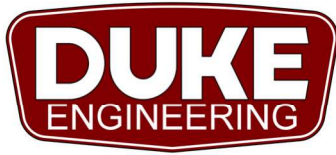
## **Appendix XVII: LA County DPA Map**



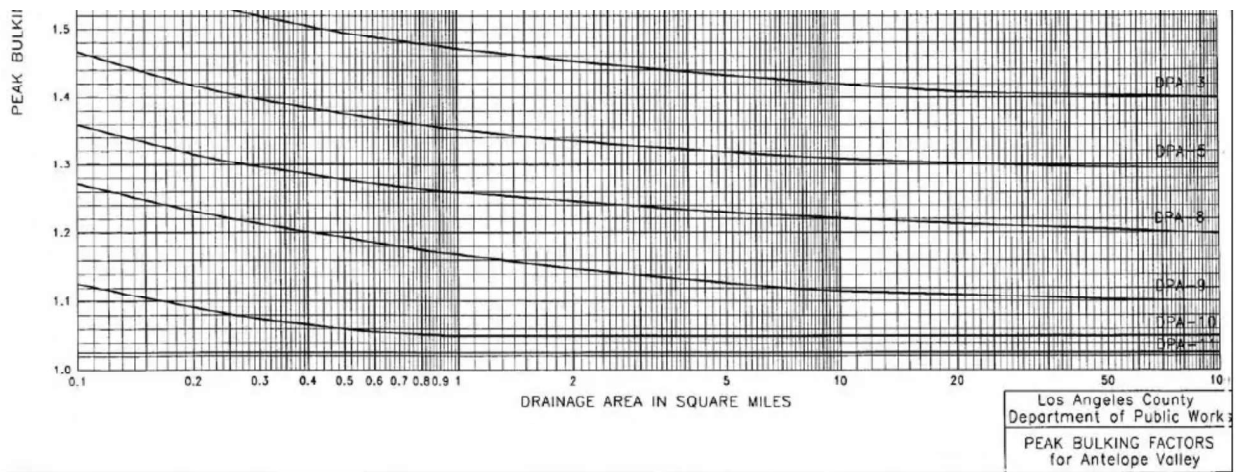




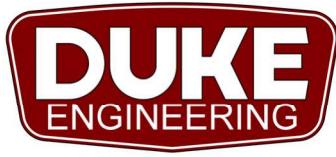
## **Appendix XVIII: Bulked Flow Calculation**



| DPA            | AREA [SQ. MI.] | PK BLK FACTOR | BULKING           | = BLK FACTOR*AREA/TOTAL AREA |
|----------------|----------------|---------------|-------------------|------------------------------|
| 5              | 21             | 1.3           | 0.14677419        |                              |
| 8              | 27             | 1.2           | 0.17419355        |                              |
| 9              | 20             | 1.1           | 0.11827957        |                              |
| 10             | 13             | 1.05          | 0.0733871         |                              |
| 11             | 105            | 1.02          | 0.57580645        |                              |
| TOTAL BULKING: |                |               | <b>1.08844086</b> |                              |







## **Appendix XIX: HEC-HMS Summary Outputs**

## Results Summary

| Hydrologic Element | Drainage Area (acres) | Maximum Outflow (cfs) | Time of Peak     | Volume (ac-ft) |
|--------------------|-----------------------|-----------------------|------------------|----------------|
| 166                | 96.375                | 24.43                 | 13Dec2024, 12:00 | 15.812         |
| 169                | 84.500                | 33.82                 | 13Dec2024, 11:00 | 19.855         |
| 172                | 676.798               | 30.62                 | 13Dec2024, 19:00 | 37.941         |
| 181                | 407.306               | 51.07                 | 13Dec2024, 13:00 | 45.687         |
| 186                | 263.813               | 36.84                 | 13Dec2024, 13:00 | 30.386         |
| 187                | 207.026               | 69.50                 | 13Dec2024, 12:00 | 44.870         |
| 190                | 261.139               | 20.89                 | 13Dec2024, 14:00 | 20.459         |
| 199                | 230.449               | 60.47                 | 13Dec2024, 12:00 | 41.748         |
| 206                | 399.211               | 21.20                 | 13Dec2024, 14:00 | 21.988         |
| 214                | 197.867               | 74.38                 | 13Dec2024, 11:00 | 42.898         |
| 217                | 181.219               | 31.44                 | 13Dec2024, 13:00 | 24.608         |
| 226                | 713.009               | 157.08                | 13Dec2024, 14:00 | 133.019        |
| 230                | 325.538               | 28.22                 | 13Dec2024, 14:00 | 28.466         |
| 235                | 260.113               | 26.33                 | 13Dec2024, 13:00 | 23.746         |
| 241                | 158.402               | 50.71                 | 13Dec2024, 11:00 | 28.972         |
| 242                | 191.799               | 63.99                 | 13Dec2024, 12:00 | 39.770         |
| 246                | 219.121               | 15.20                 | 13Dec2024, 13:00 | 13.957         |
| 249                | 325.550               | 108.18                | 13Dec2024, 12:00 | 73.866         |
| 250                | 620.509               | 60.23                 | 13Dec2024, 16:00 | 66.415         |
| 256                | 645.285               | 40.40                 | 13Dec2024, 15:00 | 45.254         |
| 258                | 188.530               | 77.70                 | 13Dec2024, 12:00 | 46.639         |
| 260                | 727.300               | 139.87                | 13Dec2024, 15:00 | 137.310        |
| 265                | 120.773               | 39.49                 | 13Dec2024, 15:00 | 38.050         |
| 274                | 45.396                | 15.30                 | 13Dec2024, 11:00 | 8.065          |
| 275                | 10.785                | 4.42                  | 13Dec2024, 13:00 | 3.349          |
| 276                | 291.512               | 85.78                 | 13Dec2024, 12:00 | 56.615         |
| 282                | 420.277               | 30.79                 | 13Dec2024, 14:00 | 30.924         |
| 283                | 421.618               | 84.68                 | 13Dec2024, 12:00 | 62.623         |
| 284                | 118.527               | 40.86                 | 13Dec2024, 12:00 | 26.646         |
| 290                | 135.655               | 38.79                 | 13Dec2024, 16:00 | 38.754         |
| 293                | 12.622                | 7.96                  | 13Dec2024, 11:00 | 3.807          |
| 294                | 68.079                | 21.60                 | 13Dec2024, 14:00 | 19.368         |
| 295                | 895.489               | 32.16                 | 13Dec2024, 19:00 | 37.582         |
| 297                | 67.859                | 5.68                  | 13Dec2024, 15:00 | 6.110          |
| 301                | 31.565                | 14.19                 | 13Dec2024, 12:00 | 9.478          |
| 302                | 66.365                | 24.95                 | 13Dec2024, 11:00 | 14.067         |
| 304                | 1041.918              | 136.31                | 13Dec2024, 15:00 | 134.927        |
| 305                | 168.473               | 77.36                 | 13Dec2024, 11:00 | 44.094         |
| 310                | 324.487               | 77.83                 | 13Dec2024, 13:00 | 57.619         |
| 313                | 39.999                | 10.77                 | 13Dec2024, 16:00 | 11.517         |
| 320                | 173.072               | 10.01                 | 13Dec2024, 13:00 | 9.655          |

|     |         |        |                  |         |
|-----|---------|--------|------------------|---------|
| 323 | 391.517 | 30.66  | 13Dec2024, 13:00 | 28.312  |
| 329 | 210.638 | 113.83 | 13Dec2024, 11:00 | 63.804  |
| 333 | 186.538 | 110.07 | 13Dec2024, 11:00 | 57.927  |
| 334 | 212.350 | 91.76  | 13Dec2024, 12:00 | 60.549  |
| 337 | 891.241 | 31.48  | 13Dec2024, 20:00 | 37.504  |
| 340 | 186.566 | 84.65  | 13Dec2024, 12:00 | 55.358  |
| 341 | 371.304 | 157.52 | 13Dec2024, 11:00 | 102.014 |
| 342 | 379.899 | 171.60 | 13Dec2024, 12:00 | 121.879 |
| 343 | 660.944 | 217.28 | 13Dec2024, 13:00 | 177.652 |
| 346 | 222.529 | 108.07 | 13Dec2024, 12:00 | 70.382  |
| 347 | 206.105 | 2.64   | 13Dec2024, 21:00 | 2.168   |
| 348 | 479.105 | 28.73  | 13Dec2024, 13:00 | 29.564  |
| 349 | 28.964  | 5.07   | 13Dec2024, 11:00 | 3.185   |
| 350 | 102.169 | 52.23  | 13Dec2024, 12:00 | 36.046  |
| 351 | 309.689 | 180.45 | 13Dec2024, 11:00 | 105.696 |
| 352 | 493.337 | 17.76  | 13Dec2024, 15:00 | 19.121  |
| 353 | 438.515 | 37.67  | 13Dec2024, 13:00 | 33.250  |
| 354 | 491.152 | 221.32 | 13Dec2024, 12:00 | 149.891 |
| 355 | 3.289   | 0.18   | 13Dec2024, 12:00 | 0.166   |
| 356 | 161.109 | 75.66  | 13Dec2024, 11:00 | 42.865  |
| 361 | 26.911  | 14.54  | 13Dec2024, 10:00 | 7.919   |
| 362 | 153.993 | 93.30  | 13Dec2024, 11:00 | 49.041  |
| 363 | 102.427 | 54.98  | 13Dec2024, 11:00 | 32.461  |
| 364 | 261.710 | 4.07   | 13Dec2024, 21:00 | 3.564   |
| 366 | 233.252 | 93.91  | 13Dec2024, 12:00 | 69.475  |
| 367 | 17.817  | 10.91  | 13Dec2024, 11:00 | 5.723   |
| 368 | 15.682  | 1.83   | 13Dec2024, 11:00 | 1.264   |
| 370 | 207.486 | 90.72  | 13Dec2024, 13:00 | 71.334  |
| 372 | 6.493   | 0.46   | 13Dec2024, 11:00 | 0.381   |
| 373 | 167.024 | 81.89  | 13Dec2024, 12:00 | 54.990  |
| 374 | 167.950 | 75.99  | 13Dec2024, 11:00 | 45.879  |
| 382 | 26.673  | 15.48  | 13Dec2024, 11:00 | 8.248   |
| 384 | 515.348 | 182.25 | 13Dec2024, 12:00 | 135.311 |
| 386 | 265.668 | 3.20   | 13Dec2024, 21:00 | 2.542   |
| 387 | 487.792 | 8.43   | 13Dec2024, 20:00 | 8.931   |
| 388 | 214.082 | 11.33  | 13Dec2024, 14:00 | 11.371  |
| 390 | 312.127 | 139.11 | 13Dec2024, 11:00 | 85.469  |
| 392 | 524.394 | 221.15 | 13Dec2024, 13:00 | 171.544 |
| 393 | 171.125 | 1.51   | 13Dec2024, 11:00 | 1.508   |
| 394 | 139.487 | 74.34  | 13Dec2024, 11:00 | 44.628  |
| 395 | 54.009  | 33.31  | 13Dec2024, 12:00 | 21.378  |
| 396 | 112.696 | 61.47  | 13Dec2024, 11:00 | 38.254  |
| 397 | 350.511 | 6.66   | 13Dec2024, 20:00 | 6.267   |
| 398 | 604.125 | 283.65 | 13Dec2024, 12:00 | 210.239 |
| 399 | 791.489 | 297.12 | 13Dec2024, 12:00 | 217.473 |
| 400 | 201.076 | 104.51 | 13Dec2024, 12:00 | 66.218  |

|     |          |        |                  |         |
|-----|----------|--------|------------------|---------|
| 402 | 263.673  | 101.01 | 13Dec2024, 12:00 | 67.671  |
| 403 | 319.565  | 12.14  | 13Dec2024, 17:00 | 13.708  |
| 406 | 176.103  | 4.11   | 13Dec2024, 19:00 | 4.102   |
| 408 | 238.951  | 103.51 | 13Dec2024, 12:00 | 71.667  |
| 410 | 234.028  | 31.87  | 13Dec2024, 11:00 | 23.172  |
| 411 | 534.882  | 38.30  | 13Dec2024, 16:00 | 41.950  |
| 412 | 45.205   | 22.10  | 13Dec2024, 10:00 | 11.315  |
| 413 | 170.139  | 73.17  | 13Dec2024, 12:00 | 48.723  |
| 414 | 587.646  | 230.24 | 13Dec2024, 14:00 | 202.571 |
| 417 | 166.214  | 64.87  | 13Dec2024, 15:00 | 62.833  |
| 419 | 22.864   | 11.73  | 13Dec2024, 11:00 | 7.314   |
| 420 | 175.685  | 3.79   | 13Dec2024, 19:00 | 3.703   |
| 422 | 376.833  | 154.74 | 13Dec2024, 12:00 | 111.604 |
| 424 | 205.455  | 100.97 | 13Dec2024, 12:00 | 67.631  |
| 427 | 314.690  | 108.42 | 13Dec2024, 12:00 | 81.548  |
| 429 | 186.170  | 92.39  | 13Dec2024, 11:00 | 51.148  |
| 430 | 390.498  | 0.49   | 14Dec2024, 01:00 | 0.211   |
| 432 | 104.600  | 54.39  | 13Dec2024, 11:00 | 31.982  |
| 433 | 161.197  | 4.82   | 13Dec2024, 15:00 | 5.199   |
| 434 | 37.750   | 21.12  | 13Dec2024, 11:00 | 11.299  |
| 435 | 141.785  | 71.96  | 13Dec2024, 13:00 | 55.407  |
| 436 | 621.786  | 1.33   | 14Dec2024, 01:00 | 0.682   |
| 439 | 131.984  | 16.78  | 13Dec2024, 12:00 | 12.557  |
| 442 | 18.109   | 0.11   | 13Dec2024, 23:00 | 0.084   |
| 443 | 423.815  | 10.45  | 13Dec2024, 21:00 | 11.282  |
| 445 | 312.658  | 2.83   | 13Dec2024, 23:00 | 2.127   |
| 446 | 488.730  | 12.14  | 13Dec2024, 19:00 | 12.466  |
| 449 | 242.232  | 121.08 | 13Dec2024, 11:00 | 76.887  |
| 450 | 284.743  | 123.52 | 13Dec2024, 12:00 | 90.880  |
| 455 | 1000.851 | 310.37 | 13Dec2024, 14:00 | 282.631 |
| 456 | 181.773  | 0.73   | 14Dec2024, 00:00 | 0.391   |
| 459 | 345.842  | 32.94  | 13Dec2024, 12:00 | 27.666  |
| 461 | 45.934   | 25.31  | 13Dec2024, 11:00 | 13.519  |
| 462 | 490.251  | 212.99 | 13Dec2024, 12:00 | 153.221 |
| 463 | 25.189   | 13.83  | 13Dec2024, 11:00 | 7.412   |
| 464 | 200.093  | 13.28  | 13Dec2024, 13:00 | 12.611  |
| 465 | 367.642  | 147.38 | 13Dec2024, 13:00 | 115.976 |
| 467 | 239.600  | 122.56 | 13Dec2024, 12:00 | 77.665  |
| 468 | 573.975  | 206.65 | 13Dec2024, 13:00 | 162.282 |
| 469 | 448.525  | 20.67  | 13Dec2024, 15:00 | 22.221  |
| 470 | 276.083  | 43.06  | 13Dec2024, 12:00 | 30.875  |
| 473 | 186.999  | 84.59  | 13Dec2024, 12:00 | 55.664  |
| 475 | 196.621  | 4.97   | 13Dec2024, 19:00 | 5.107   |
| 477 | 3.311    | 0.33   | 13Dec2024, 11:00 | 0.242   |
| 478 | 1023.933 | 104.93 | 13Dec2024, 13:00 | 99.843  |
| 479 | 237.640  | 81.87  | 13Dec2024, 11:00 | 45.909  |

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| 480 | 686.977 | 300.04 | 13Dec2024, 13:00 | 234.525 |
| 484 | 36.896  | 23.61  | 13Dec2024, 10:00 | 11.771  |
| 485 | 46.774  | 3.20   | 13Dec2024, 12:00 | 2.766   |
| 486 | 3.754   | 3.33   | 13Dec2024, 10:00 | 1.313   |
| 488 | 12.287  | 0.13   | 13Dec2024, 21:00 | 0.089   |
| 491 | 11.538  | 0.64   | 13Dec2024, 12:00 | 0.588   |
| 492 | 241.071 | 0.40   | 14Dec2024, 00:00 | 0.134   |
| 494 | 15.763  | 11.73  | 13Dec2024, 10:00 | 4.853   |
| 495 | 234.505 | 47.43  | 13Dec2024, 12:00 | 32.652  |
| 496 | 552.298 | 108.14 | 13Dec2024, 14:00 | 90.989  |
| 497 | 140.954 | 31.68  | 13Dec2024, 11:00 | 20.617  |
| 498 | 211.563 | 29.85  | 13Dec2024, 12:00 | 22.261  |
| 499 | 48.304  | 14.24  | 13Dec2024, 13:00 | 11.146  |
| 502 | 358.648 | 39.89  | 13Dec2024, 13:00 | 33.807  |
| 504 | 219.458 | 42.62  | 13Dec2024, 13:00 | 33.200  |
| 505 | 172.846 | 12.96  | 13Dec2024, 12:00 | 11.606  |
| 506 | 190.784 | 3.86   | 13Dec2024, 20:00 | 4.037   |
| 509 | 228.113 | 58.19  | 13Dec2024, 11:00 | 37.768  |
| 510 | 252.935 | 43.60  | 13Dec2024, 13:00 | 34.729  |
| 512 | 332.593 | 10.46  | 13Dec2024, 15:00 | 11.497  |
| 513 | 277.762 | 0.75   | 14Dec2024, 00:00 | 0.361   |
| 515 | 811.039 | 25.74  | 13Dec2024, 19:00 | 29.195  |
| 516 | 167.025 | 29.22  | 13Dec2024, 11:00 | 18.830  |
| 517 | 228.222 | 71.57  | 13Dec2024, 12:00 | 46.054  |
| 519 | 26.242  | 6.30   | 13Dec2024, 12:00 | 4.275   |
| 520 | 361.309 | 7.08   | 13Dec2024, 20:00 | 7.123   |
| 522 | 314.172 | 94.53  | 13Dec2024, 12:00 | 64.419  |
| 523 | 121.152 | 15.67  | 13Dec2024, 12:00 | 11.831  |
| 524 | 120.147 | 30.43  | 13Dec2024, 13:00 | 22.637  |
| 526 | 3.935   | 0.84   | 13Dec2024, 11:00 | 0.493   |
| 527 | 258.186 | 17.66  | 13Dec2024, 14:00 | 17.315  |
| 528 | 58.460  | 4.26   | 13Dec2024, 12:00 | 3.714   |
| 529 | 338.692 | 20.47  | 13Dec2024, 12:00 | 18.608  |
| 530 | 3.159   | 0.97   | 13Dec2024, 10:00 | 0.493   |
| 531 | 736.663 | 64.49  | 13Dec2024, 15:00 | 65.866  |
| 534 | 136.653 | 23.72  | 13Dec2024, 12:00 | 16.796  |
| 535 | 5.685   | 1.27   | 13Dec2024, 11:00 | 0.740   |
| 536 | 233.435 | 22.77  | 13Dec2024, 11:00 | 16.697  |
| 538 | 280.177 | 2.76   | 13Dec2024, 21:00 | 1.974   |
| 543 | 149.543 | 19.19  | 13Dec2024, 12:00 | 15.294  |
| 544 | 193.680 | 4.17   | 13Dec2024, 19:00 | 4.021   |
| 545 | 178.553 | 6.87   | 13Dec2024, 14:00 | 7.078   |
| 547 | 262.378 | 7.54   | 13Dec2024, 11:00 | 4.927   |
| 548 | 192.734 | 34.82  | 13Dec2024, 12:00 | 25.492  |
| 550 | 181.744 | 24.68  | 13Dec2024, 12:00 | 19.590  |
| 552 | 185.666 | 4.25   | 13Dec2024, 18:00 | 4.156   |

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| 554 | 495.459 | 80.48  | 13Dec2024, 14:00 | 72.537  |
| 555 | 201.424 | 24.80  | 13Dec2024, 13:00 | 21.543  |
| 559 | 177.597 | 3.56   | 13Dec2024, 19:00 | 3.370   |
| 560 | 15.953  | 0.37   | 13Dec2024, 18:00 | 0.367   |
| 561 | 527.698 | 229.25 | 13Dec2024, 12:00 | 153.441 |
| 562 | 521.178 | 44.88  | 13Dec2024, 12:00 | 36.601  |
| 565 | 261.842 | 124.56 | 13Dec2024, 12:00 | 83.509  |
| 567 | 260.685 | 119.23 | 13Dec2024, 11:00 | 74.019  |
| 569 | 334.138 | 123.26 | 13Dec2024, 13:00 | 98.606  |
| 570 | 473.598 | 14.38  | 13Dec2024, 18:00 | 15.910  |
| 572 | 211.876 | 6.26   | 13Dec2024, 18:00 | 6.697   |
| 573 | 257.652 | 7.95   | 13Dec2024, 13:00 | 8.079   |
| 574 | 218.869 | 34.33  | 13Dec2024, 13:00 | 27.842  |
| 576 | 162.104 | 80.61  | 13Dec2024, 11:00 | 48.635  |
| 579 | 78.098  | 11.26  | 13Dec2024, 11:00 | 7.269   |
| 580 | 36.240  | 9.16   | 13Dec2024, 11:00 | 5.639   |
| 581 | 187.034 | 22.52  | 13Dec2024, 12:00 | 17.139  |
| 582 | 204.872 | 117.67 | 13Dec2024, 10:00 | 62.039  |
| 584 | 624.604 | 5.89   | 13Dec2024, 11:00 | 3.760   |
| 587 | 163.133 | 69.73  | 13Dec2024, 12:00 | 49.790  |
| 590 | 234.792 | 119.50 | 13Dec2024, 11:00 | 74.588  |
| 591 | 2.943   | 0.00   | 14Dec2024, 00:00 | 0.001   |
| 592 | 497.494 | 182.34 | 13Dec2024, 13:00 | 145.363 |
| 593 | 106.945 | 18.31  | 13Dec2024, 13:00 | 14.336  |
| 594 | 5.947   | 0.00   | 14Dec2024, 00:00 | 0.001   |
| 595 | 161.838 | 31.83  | 13Dec2024, 12:00 | 22.076  |
| 596 | 272.666 | 15.66  | 13Dec2024, 12:00 | 13.920  |
| 597 | 1.641   | 0.02   | 13Dec2024, 21:00 | 0.012   |
| 604 | 537.064 | 164.57 | 13Dec2024, 14:00 | 156.489 |
| 606 | 507.207 | 12.36  | 13Dec2024, 19:00 | 12.470  |
| 609 | 215.035 | 118.78 | 13Dec2024, 12:00 | 71.804  |
| 610 | 166.496 | 13.27  | 13Dec2024, 11:00 | 10.509  |
| 611 | 720.564 | 95.42  | 13Dec2024, 15:00 | 93.789  |
| 613 | 295.080 | 123.76 | 13Dec2024, 12:00 | 88.561  |
| 614 | 398.451 | 157.57 | 13Dec2024, 13:00 | 123.162 |
| 616 | 327.311 | 138.99 | 13Dec2024, 11:00 | 86.785  |
| 617 | 642.111 | 142.11 | 13Dec2024, 13:00 | 109.885 |
| 618 | 195.015 | 13.93  | 13Dec2024, 12:00 | 11.831  |
| 619 | 447.857 | 28.23  | 13Dec2024, 14:00 | 27.869  |
| 625 | 13.993  | 0.12   | 13Dec2024, 21:00 | 0.083   |
| 626 | 271.505 | 4.48   | 13Dec2024, 19:00 | 3.956   |
| 627 | 165.595 | 21.18  | 13Dec2024, 12:00 | 16.014  |
| 629 | 489.164 | 2.82   | 13Dec2024, 23:00 | 1.524   |
| 630 | 511.480 | 160.50 | 13Dec2024, 14:00 | 157.814 |
| 632 | 196.453 | 4.65   | 13Dec2024, 19:00 | 4.801   |
| 633 | 209.125 | 9.21   | 13Dec2024, 13:00 | 8.773   |

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| 636 | 174.640 | 92.26  | 13Dec2024, 11:00 | 53.284  |
| 638 | 859.294 | 292.20 | 13Dec2024, 12:00 | 228.405 |
| 640 | 125.413 | 0.80   | 13Dec2024, 23:00 | 0.461   |
| 642 | 279.046 | 3.15   | 13Dec2024, 21:00 | 2.362   |
| 643 | 376.708 | 129.57 | 13Dec2024, 14:00 | 115.407 |
| 644 | 202.778 | 6.02   | 13Dec2024, 13:00 | 6.218   |
| 645 | 278.898 | 10.97  | 13Dec2024, 14:00 | 11.563  |
| 647 | 626.562 | 35.75  | 13Dec2024, 13:00 | 35.102  |
| 648 | 545.580 | 206.67 | 13Dec2024, 12:00 | 147.953 |
| 649 | 32.354  | 24.45  | 13Dec2024, 10:00 | 10.990  |
| 650 | 294.827 | 112.24 | 13Dec2024, 12:00 | 77.225  |
| 651 | 281.515 | 115.15 | 13Dec2024, 12:00 | 76.825  |
| 653 | 715.095 | 242.65 | 13Dec2024, 14:00 | 214.952 |
| 654 | 128.387 | 74.91  | 13Dec2024, 11:00 | 39.426  |
| 655 | 370.341 | 31.07  | 13Dec2024, 11:00 | 24.113  |
| 657 | 33.722  | 0.07   | 14Dec2024, 00:00 | 0.019   |
| 658 | 354.845 | 6.35   | 13Dec2024, 19:00 | 5.761   |
| 659 | 198.242 | 0.77   | 14Dec2024, 00:00 | 0.386   |
| 660 | 330.771 | 169.39 | 13Dec2024, 12:00 | 109.075 |
| 661 | 39.362  | 0.66   | 13Dec2024, 19:00 | 0.583   |
| 662 | 38.488  | 27.17  | 13Dec2024, 11:00 | 13.727  |
| 663 | 285.773 | 124.51 | 13Dec2024, 11:00 | 72.887  |
| 664 | 30.190  | 22.47  | 13Dec2024, 10:00 | 10.833  |
| 665 | 441.044 | 169.34 | 13Dec2024, 12:00 | 115.092 |
| 666 | 688.174 | 44.66  | 13Dec2024, 12:00 | 38.995  |
| 667 | 601.849 | 172.12 | 13Dec2024, 14:00 | 161.608 |
| 668 | 141.041 | 60.03  | 13Dec2024, 12:00 | 42.654  |
| 669 | 74.567  | 52.43  | 13Dec2024, 11:00 | 26.783  |
| 671 | 560.074 | 9.74   | 13Dec2024, 20:00 | 8.792   |
| 672 | 12.117  | 0.41   | 13Dec2024, 13:00 | 0.432   |
| 673 | 426.226 | 8.46   | 13Dec2024, 19:00 | 7.976   |
| 674 | 117.431 | 2.39   | 13Dec2024, 19:00 | 2.312   |
| 675 | 374.188 | 178.46 | 13Dec2024, 12:00 | 115.163 |
| 676 | 34.696  | 15.66  | 13Dec2024, 10:00 | 6.860   |
| 677 | 451.689 | 168.63 | 13Dec2024, 13:00 | 139.952 |
| 678 | 345.137 | 21.48  | 13Dec2024, 12:00 | 18.741  |
| 680 | 10.055  | 0.04   | 13Dec2024, 23:00 | 0.020   |
| 681 | 69.342  | 7.82   | 13Dec2024, 12:00 | 6.096   |
| 683 | 119.755 | 22.52  | 13Dec2024, 11:00 | 13.496  |
| 685 | 556.458 | 153.61 | 13Dec2024, 10:00 | 81.451  |
| 686 | 369.367 | 125.94 | 13Dec2024, 13:00 | 104.547 |
| 687 | 31.299  | 27.79  | 13Dec2024, 10:00 | 10.944  |
| 688 | 531.987 | 58.06  | 13Dec2024, 11:00 | 40.992  |
| 689 | 264.855 | 99.79  | 13Dec2024, 10:00 | 46.679  |
| 691 | 8.338   | 4.11   | 13Dec2024, 12:00 | 2.630   |
| 692 | 177.664 | 1.86   | 13Dec2024, 21:00 | 1.441   |



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| 693 | 433.435 | 6.31   | 13Dec2024, 20:00 | 5.502   |
| 694 | 432.729 | 169.64 | 13Dec2024, 12:00 | 117.321 |
| 695 | 391.765 | 20.98  | 13Dec2024, 12:00 | 21.250  |
| 697 | 204.468 | 76.49  | 13Dec2024, 12:00 | 53.631  |
| 698 | 264.987 | 81.26  | 13Dec2024, 10:00 | 41.202  |
| 699 | 194.219 | 17.54  | 13Dec2024, 11:00 | 13.406  |
| 701 | 528.614 | 200.01 | 13Dec2024, 12:00 | 136.601 |
| 702 | 4.408   | 4.24   | 13Dec2024, 10:00 | 1.645   |
| 703 | 657.855 | 230.36 | 13Dec2024, 13:00 | 181.179 |
| 704 | 234.399 | 84.97  | 13Dec2024, 10:00 | 40.305  |
| 705 | 210.415 | 117.45 | 13Dec2024, 11:00 | 63.215  |
| 707 | 18.727  | 4.71   | 13Dec2024, 10:00 | 2.619   |
| 708 | 477.663 | 166.52 | 13Dec2024, 12:00 | 120.826 |
| 709 | 191.565 | 20.42  | 13Dec2024, 11:00 | 15.134  |
| 710 | 87.140  | 40.44  | 13Dec2024, 12:00 | 26.510  |
| 711 | 264.496 | 67.96  | 13Dec2024, 15:00 | 69.015  |
| 713 | 186.872 | 93.31  | 13Dec2024, 10:00 | 39.550  |
| 714 | 208.587 | 85.71  | 13Dec2024, 12:00 | 57.314  |
| 715 | 134.504 | 91.47  | 13Dec2024, 11:00 | 47.171  |
| 716 | 70.794  | 33.30  | 13Dec2024, 11:00 | 20.357  |
| 717 | 268.234 | 4.63   | 13Dec2024, 20:00 | 4.191   |
| 719 | 312.390 | 113.94 | 13Dec2024, 13:00 | 89.295  |
| 720 | 169.748 | 88.27  | 13Dec2024, 12:00 | 59.434  |
| 721 | 426.922 | 206.41 | 13Dec2024, 10:00 | 88.386  |
| 722 | 426.501 | 175.96 | 13Dec2024, 12:00 | 129.493 |
| 723 | 65.515  | 1.15   | 13Dec2024, 19:00 | 1.042   |
| 724 | 65.053  | 30.70  | 13Dec2024, 12:00 | 20.279  |
| 725 | 609.202 | 229.48 | 13Dec2024, 12:00 | 158.850 |
| 726 | 108.355 | 56.13  | 13Dec2024, 11:00 | 31.298  |
| 727 | 218.353 | 141.37 | 13Dec2024, 11:00 | 76.769  |
| 728 | 259.979 | 118.85 | 13Dec2024, 10:00 | 51.846  |
| 729 | 11.198  | 8.18   | 13Dec2024, 10:00 | 3.591   |
| 730 | 462.858 | 214.69 | 13Dec2024, 10:00 | 93.199  |
| 731 | 193.342 | 9.77   | 13Dec2024, 12:00 | 9.049   |
| 732 | 24.684  | 12.98  | 13Dec2024, 12:00 | 8.240   |
| 733 | 1.683   | 1.39   | 13Dec2024, 10:00 | 0.564   |
| 735 | 253.277 | 10.78  | 13Dec2024, 13:00 | 10.552  |
| 736 | 61.086  | 19.20  | 13Dec2024, 15:00 | 20.086  |
| 737 | 348.782 | 14.79  | 13Dec2024, 14:00 | 15.179  |
| 738 | 505.246 | 26.70  | 13Dec2024, 12:00 | 24.341  |
| 739 | 77.199  | 27.92  | 13Dec2024, 14:00 | 24.448  |
| 740 | 228.827 | 88.49  | 13Dec2024, 10:00 | 41.057  |
| 741 | 307.059 | 118.47 | 13Dec2024, 12:00 | 80.434  |
| 742 | 96.413  | 54.06  | 13Dec2024, 11:00 | 28.967  |
| 743 | 589.261 | 126.86 | 13Dec2024, 11:00 | 73.845  |
| 744 | 27.417  | 14.22  | 13Dec2024, 10:00 | 7.008   |

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| 745 | 468.901  | 119.50 | 13Dec2024, 10:00 | 65.732  |
| 746 | 1015.535 | 317.80 | 13Dec2024, 11:00 | 170.447 |
| 747 | 110.246  | 73.56  | 13Dec2024, 11:00 | 37.562  |
| 748 | 707.409  | 34.75  | 13Dec2024, 13:00 | 33.931  |
| 749 | 98.854   | 2.06   | 13Dec2024, 19:00 | 1.962   |
| 750 | 117.147  | 17.36  | 13Dec2024, 11:00 | 11.664  |
| 751 | 307.815  | 146.65 | 13Dec2024, 11:00 | 94.207  |
| 752 | 95.278   | 59.25  | 13Dec2024, 11:00 | 31.264  |
| 753 | 614.495  | 206.53 | 13Dec2024, 10:00 | 100.965 |
| 754 | 339.657  | 23.75  | 13Dec2024, 13:00 | 22.048  |
| 755 | 184.425  | 81.55  | 13Dec2024, 11:00 | 51.941  |
| 756 | 194.557  | 5.00   | 13Dec2024, 18:00 | 5.110   |
| 757 | 328.073  | 120.17 | 13Dec2024, 10:00 | 56.853  |
| 758 | 212.347  | 101.01 | 13Dec2024, 12:00 | 66.954  |
| 759 | 133.153  | 19.24  | 13Dec2024, 11:00 | 12.417  |
| 760 | 1.631    | 0.03   | 13Dec2024, 19:00 | 0.031   |
| 761 | 231.443  | 122.15 | 13Dec2024, 12:00 | 80.086  |
| 762 | 354.485  | 192.66 | 13Dec2024, 12:00 | 122.768 |
| 763 | 11.684   | 4.15   | 13Dec2024, 13:00 | 3.573   |
| 764 | 300.976  | 70.47  | 13Dec2024, 11:00 | 40.126  |
| 765 | 30.965   | 0.93   | 13Dec2024, 13:00 | 0.990   |
| 766 | 177.362  | 113.26 | 13Dec2024, 11:00 | 61.590  |
| 767 | 11.031   | 7.36   | 13Dec2024, 10:00 | 3.543   |
| 768 | 43.441   | 25.35  | 13Dec2024, 11:00 | 13.508  |
| 769 | 206.815  | 14.59  | 13Dec2024, 13:00 | 13.381  |
| 770 | 16.706   | 9.82   | 13Dec2024, 10:00 | 5.200   |
| 771 | 8.848    | 6.11   | 13Dec2024, 10:00 | 2.809   |
| 772 | 197.261  | 13.32  | 13Dec2024, 11:00 | 11.290  |
| 773 | 6.472    | 4.72   | 13Dec2024, 10:00 | 2.010   |
| 774 | 3.486    | 2.53   | 13Dec2024, 10:00 | 1.109   |
| 775 | 778.624  | 222.27 | 13Dec2024, 11:00 | 122.146 |
| 776 | 139.329  | 86.52  | 13Dec2024, 11:00 | 46.492  |
| 777 | 171.017  | 116.06 | 13Dec2024, 11:00 | 59.777  |
| 778 | 166.693  | 87.09  | 13Dec2024, 11:00 | 51.416  |
| 779 | 18.670   | 10.56  | 13Dec2024, 11:00 | 5.612   |
| 780 | 228.820  | 120.83 | 13Dec2024, 11:00 | 69.291  |
| 781 | 225.345  | 120.84 | 13Dec2024, 12:00 | 78.174  |
| 782 | 193.617  | 126.36 | 13Dec2024, 11:00 | 65.213  |
| 783 | 251.501  | 136.36 | 13Dec2024, 11:00 | 83.724  |
| 784 | 278.079  | 54.93  | 13Dec2024, 11:00 | 32.582  |
| 785 | 226.099  | 130.84 | 13Dec2024, 10:00 | 67.980  |
| 786 | 240.348  | 128.13 | 13Dec2024, 11:00 | 79.228  |
| 787 | 231.850  | 148.15 | 13Dec2024, 11:00 | 80.772  |
| 788 | 211.525  | 50.88  | 13Dec2024, 11:00 | 31.606  |
| 789 | 295.941  | 52.35  | 13Dec2024, 11:00 | 31.945  |
| 790 | 199.075  | 119.33 | 13Dec2024, 11:00 | 70.676  |

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| 791 | 5.674   | 1.92   | 13Dec2024, 10:00 | 0.937   |
| 792 | 294.302 | 160.74 | 13Dec2024, 11:00 | 89.311  |
| 793 | 342.163 | 52.89  | 13Dec2024, 11:00 | 33.467  |
| 794 | 155.007 | 108.03 | 13Dec2024, 11:00 | 54.684  |
| 795 | 856.680 | 233.34 | 13Dec2024, 10:00 | 126.002 |
| 796 | 205.400 | 116.09 | 13Dec2024, 11:00 | 64.056  |
| 797 | 7.103   | 0.31   | 13Dec2024, 13:00 | 0.301   |
| 798 | 39.143  | 21.24  | 13Dec2024, 11:00 | 11.519  |
| 799 | 225.937 | 4.34   | 13Dec2024, 19:00 | 4.030   |
| 800 | 229.930 | 133.86 | 13Dec2024, 11:00 | 71.671  |
| 801 | 267.028 | 144.84 | 13Dec2024, 11:00 | 80.918  |
| 802 | 203.732 | 120.47 | 13Dec2024, 11:00 | 63.987  |
| 803 | 346.023 | 47.31  | 13Dec2024, 11:00 | 31.050  |
| 804 | 343.101 | 222.52 | 13Dec2024, 10:00 | 96.589  |
| 805 | 39.523  | 30.50  | 13Dec2024, 10:00 | 12.483  |
| 806 | 162.287 | 77.99  | 13Dec2024, 11:00 | 45.409  |
| 807 | 207.055 | 143.87 | 13Dec2024, 11:00 | 72.907  |
| 808 | 576.302 | 256.80 | 13Dec2024, 12:00 | 179.290 |
| 809 | 33.597  | 25.78  | 13Dec2024, 10:00 | 10.569  |
| 810 | 20.093  | 14.91  | 13Dec2024, 10:00 | 6.186   |
| 811 | 352.638 | 37.09  | 13Dec2024, 11:00 | 26.732  |
| 812 | 611.576 | 314.91 | 13Dec2024, 11:00 | 183.559 |
| 813 | 21.020  | 12.07  | 13Dec2024, 10:00 | 5.527   |
| 814 | 102.231 | 78.55  | 13Dec2024, 10:00 | 33.288  |
| 815 | 49.891  | 32.32  | 13Dec2024, 10:00 | 13.855  |
| 816 | 213.938 | 104.59 | 13Dec2024, 11:00 | 59.997  |
| 817 | 367.935 | 16.61  | 13Dec2024, 13:00 | 15.920  |
| 818 | 32.213  | 24.46  | 13Dec2024, 10:00 | 10.311  |
| 819 | 173.184 | 90.80  | 13Dec2024, 10:00 | 43.682  |
| 820 | 42.159  | 31.12  | 13Dec2024, 10:00 | 12.903  |
| 821 | 310.334 | 157.76 | 13Dec2024, 11:00 | 86.568  |
| 822 | 473.632 | 237.50 | 13Dec2024, 11:00 | 136.669 |
| 823 | 264.578 | 10.36  | 13Dec2024, 13:00 | 11.045  |
| 824 | 154.638 | 81.32  | 13Dec2024, 11:00 | 43.975  |
| 825 | 220.477 | 98.41  | 13Dec2024, 11:00 | 55.664  |
| 826 | 878.499 | 425.40 | 13Dec2024, 12:00 | 275.161 |
| 827 | 239.648 | 120.38 | 13Dec2024, 11:00 | 65.603  |
| 828 | 231.137 | 108.04 | 13Dec2024, 11:00 | 59.287  |
| 829 | 20.610  | 2.98   | 13Dec2024, 10:00 | 1.937   |
| 830 | 208.280 | 94.94  | 13Dec2024, 11:00 | 55.029  |
| 831 | 654.905 | 251.81 | 13Dec2024, 12:00 | 190.135 |
| 832 | 334.554 | 190.96 | 13Dec2024, 11:00 | 112.633 |
| 833 | 629.085 | 299.95 | 13Dec2024, 12:00 | 194.081 |
| 834 | 505.566 | 25.67  | 13Dec2024, 12:00 | 23.871  |
| 835 | 596.618 | 292.57 | 13Dec2024, 12:00 | 194.385 |
| 836 | 861.817 | 324.20 | 13Dec2024, 13:00 | 251.364 |

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|-----|---------|--------|------------------|---------|
| 837 | 249.320 | 31.43  | 13Dec2024, 11:00 | 21.170  |
| 838 | 303.175 | 128.80 | 13Dec2024, 11:00 | 78.189  |
| 839 | 161.290 | 77.61  | 13Dec2024, 11:00 | 42.479  |
| 840 | 405.056 | 206.72 | 13Dec2024, 11:00 | 112.455 |
| 842 | 169.859 | 15.24  | 13Dec2024, 11:00 | 11.658  |
| 843 | 292.526 | 35.31  | 13Dec2024, 11:00 | 24.348  |
| 844 | 209.320 | 104.48 | 13Dec2024, 11:00 | 57.118  |
| 845 | 240.310 | 161.16 | 13Dec2024, 10:00 | 68.633  |
| 847 | 197.578 | 96.15  | 13Dec2024, 11:00 | 53.871  |
| 848 | 21.567  | 14.12  | 13Dec2024, 10:00 | 6.083   |
| 849 | 179.189 | 106.55 | 13Dec2024, 10:00 | 54.036  |
| 851 | 313.580 | 191.56 | 13Dec2024, 10:00 | 78.678  |
| 852 | 241.337 | 9.30   | 13Dec2024, 13:00 | 9.060   |
| 854 | 219.017 | 108.25 | 13Dec2024, 11:00 | 59.279  |
| 855 | 634.368 | 88.64  | 13Dec2024, 11:00 | 57.881  |
| 856 | 198.686 | 90.50  | 13Dec2024, 11:00 | 49.937  |
| 857 | 171.356 | 78.11  | 13Dec2024, 11:00 | 44.342  |
| 858 | 189.032 | 11.95  | 13Dec2024, 12:00 | 10.402  |
| 859 | 20.774  | 4.62   | 13Dec2024, 11:00 | 2.659   |
| 860 | 227.793 | 106.86 | 13Dec2024, 11:00 | 59.358  |
| 861 | 582.360 | 308.42 | 13Dec2024, 11:00 | 169.059 |
| 863 | 532.029 | 302.37 | 13Dec2024, 10:00 | 151.464 |
| 864 | 232.128 | 146.33 | 13Dec2024, 10:00 | 66.080  |
| 865 | 605.837 | 263.41 | 13Dec2024, 11:00 | 151.761 |
| 866 | 346.522 | 11.91  | 13Dec2024, 13:00 | 12.398  |
| 867 | 835.325 | 421.40 | 13Dec2024, 11:00 | 232.446 |
| 868 | 347.178 | 163.13 | 13Dec2024, 11:00 | 88.393  |
| 869 | 372.974 | 175.98 | 13Dec2024, 11:00 | 95.785  |
| 870 | 164.463 | 30.24  | 13Dec2024, 11:00 | 18.241  |
| 871 | 6.152   | 3.90   | 13Dec2024, 10:00 | 1.672   |
| 872 | 228.799 | 28.65  | 13Dec2024, 11:00 | 19.359  |
| 873 | 20.172  | 13.42  | 13Dec2024, 10:00 | 5.725   |
| 874 | 411.899 | 181.15 | 13Dec2024, 11:00 | 106.881 |
| 875 | 410.528 | 126.58 | 13Dec2024, 13:00 | 113.327 |
| 876 | 347.009 | 131.42 | 13Dec2024, 12:00 | 87.368  |
| 877 | 187.327 | 7.16   | 13Dec2024, 13:00 | 7.485   |
| 879 | 271.903 | 169.56 | 13Dec2024, 10:00 | 72.596  |
| 880 | 263.299 | 146.19 | 13Dec2024, 10:00 | 70.051  |
| 882 | 518.536 | 236.03 | 13Dec2024, 11:00 | 128.339 |
| 883 | 772.933 | 334.52 | 13Dec2024, 11:00 | 215.433 |
| 884 | 412.653 | 169.71 | 13Dec2024, 11:00 | 106.044 |
| 885 | 208.349 | 153.23 | 13Dec2024, 10:00 | 63.594  |
| 886 | 175.008 | 135.20 | 13Dec2024, 10:00 | 55.321  |
| 888 | 198.637 | 122.26 | 13Dec2024, 10:00 | 51.983  |
| 889 | 209.482 | 128.83 | 13Dec2024, 10:00 | 54.741  |
| 890 | 1.698   | 1.05   | 13Dec2024, 10:00 | 0.450   |

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| 891 | 406.237  | 57.84  | 13Dec2024, 11:00 | 37.604  |
| 892 | 217.706  | 38.20  | 13Dec2024, 11:00 | 23.513  |
| 893 | 1.630    | 1.61   | 13Dec2024, 10:00 | 0.623   |
| 894 | 315.582  | 247.01 | 13Dec2024, 10:00 | 100.689 |
| 896 | 262.053  | 161.63 | 13Dec2024, 10:00 | 68.843  |
| 897 | 321.936  | 56.70  | 13Dec2024, 11:00 | 35.520  |
| 898 | 411.180  | 78.01  | 13Dec2024, 11:00 | 47.079  |
| 899 | 478.273  | 176.01 | 13Dec2024, 12:00 | 125.255 |
| 900 | 166.722  | 119.35 | 13Dec2024, 10:00 | 49.927  |
| 901 | 1162.312 | 618.01 | 13Dec2024, 10:00 | 337.506 |
| 902 | 604.275  | 400.04 | 13Dec2024, 10:00 | 170.842 |
| 903 | 236.011  | 174.51 | 13Dec2024, 10:00 | 72.311  |
| 904 | 206.821  | 96.19  | 13Dec2024, 11:00 | 56.027  |
| 905 | 185.958  | 88.36  | 13Dec2024, 11:00 | 51.958  |
| 906 | 670.645  | 234.14 | 13Dec2024, 12:00 | 170.482 |
| 907 | 272.486  | 140.02 | 13Dec2024, 11:00 | 76.018  |
| 908 | 242.345  | 177.72 | 13Dec2024, 10:00 | 73.819  |
| 909 | 774.195  | 274.92 | 13Dec2024, 10:00 | 131.369 |
| 910 | 39.230   | 27.58  | 13Dec2024, 10:00 | 11.595  |
| 911 | 58.967   | 39.70  | 13Dec2024, 10:00 | 16.892  |
| 912 | 351.765  | 76.13  | 13Dec2024, 11:00 | 44.104  |
| 913 | 263.094  | 157.95 | 13Dec2024, 11:00 | 82.536  |
| 914 | 88.119   | 57.16  | 13Dec2024, 10:00 | 24.495  |
| 915 | 334.408  | 268.46 | 13Dec2024, 10:00 | 108.648 |
| 917 | 1175.967 | 459.90 | 13Dec2024, 12:00 | 328.193 |
| 918 | 749.765  | 416.82 | 13Dec2024, 11:00 | 222.146 |
| 921 | 112.045  | 79.38  | 13Dec2024, 10:00 | 33.301  |
| 923 | 618.287  | 327.86 | 13Dec2024, 11:00 | 176.857 |
| 924 | 252.967  | 55.37  | 13Dec2024, 11:00 | 32.056  |
| 927 | 168.742  | 123.71 | 13Dec2024, 10:00 | 51.386  |
| 928 | 283.143  | 210.16 | 13Dec2024, 10:00 | 87.000  |
| 929 | 136.954  | 91.48  | 13Dec2024, 10:00 | 38.993  |
| 930 | 187.353  | 142.05 | 13Dec2024, 10:00 | 58.444  |
| 931 | 484.003  | 287.78 | 13Dec2024, 10:00 | 135.244 |
| 932 | 616.371  | 342.14 | 13Dec2024, 11:00 | 182.606 |
| 933 | 161.129  | 118.49 | 13Dec2024, 10:00 | 49.179  |
| 935 | 112.292  | 77.16  | 13Dec2024, 10:00 | 32.642  |
| 938 | 95.111   | 7.45   | 13Dec2024, 11:00 | 5.940   |
| 941 | 375.283  | 276.68 | 13Dec2024, 10:00 | 114.743 |
| 943 | 224.377  | 150.12 | 13Dec2024, 10:00 | 63.953  |
| 944 | 580.574  | 454.74 | 13Dec2024, 10:00 | 187.446 |
| 946 | 267.297  | 60.22  | 13Dec2024, 11:00 | 34.578  |
| 947 | 270.196  | 61.54  | 13Dec2024, 11:00 | 35.249  |
| 948 | 348.530  | 234.64 | 13Dec2024, 10:00 | 99.826  |
| 949 | 235.779  | 12.13  | 13Dec2024, 12:00 | 11.097  |
| 950 | 348.075  | 217.22 | 13Dec2024, 10:00 | 93.017  |

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|------|---------|--------|------------------|---------|
| 952  | 600.779 | 427.74 | 13Dec2024, 10:00 | 179.190 |
| 954  | 172.155 | 106.93 | 13Dec2024, 10:00 | 45.718  |
| 956  | 188.071 | 114.89 | 13Dec2024, 10:00 | 46.467  |
| 962  | 258.531 | 161.33 | 13Dec2024, 10:00 | 69.082  |
| 963  | 353.108 | 233.00 | 13Dec2024, 10:00 | 99.582  |
| 1107 | 248.838 | 77.58  | 13Dec2024, 12:00 | 48.062  |
| 1111 | 235.285 | 74.25  | 13Dec2024, 12:00 | 48.771  |
| 1115 | 397.151 | 23.44  | 13Dec2024, 14:00 | 24.226  |
| 1119 | 24.372  | 2.29   | 13Dec2024, 12:00 | 1.860   |
| 1122 | 295.912 | 70.31  | 13Dec2024, 13:00 | 54.832  |
| 1134 | 98.717  | 35.43  | 13Dec2024, 11:00 | 19.442  |
| 1138 | 413.551 | 50.20  | 13Dec2024, 13:00 | 43.113  |
| 1150 | 42.721  | 17.75  | 13Dec2024, 12:00 | 10.644  |
| 1152 | 58.761  | 34.48  | 13Dec2024, 11:00 | 16.578  |
| 1163 | 168.443 | 12.29  | 13Dec2024, 13:00 | 11.194  |
| 1166 | 3.664   | 1.22   | 13Dec2024, 10:00 | 0.599   |
| 1171 | 42.680  | 15.70  | 13Dec2024, 13:00 | 11.565  |
| 1173 | 927.952 | 39.18  | 13Dec2024, 15:00 | 42.676  |
| 1174 | 52.832  | 6.29   | 13Dec2024, 12:00 | 4.835   |
| 1184 | 191.106 | 87.29  | 13Dec2024, 12:00 | 51.477  |
| 1188 | 507.780 | 36.94  | 13Dec2024, 13:00 | 34.026  |
| 1191 | 208.583 | 18.22  | 13Dec2024, 13:00 | 16.332  |
| 1193 | 575.721 | 13.62  | 13Dec2024, 12:00 | 16.876  |
| 1194 | 51.656  | 0.63   | 13Dec2024, 21:00 | 0.497   |
| 1203 | 293.379 | 130.20 | 13Dec2024, 12:00 | 93.679  |
| 1209 | 42.638  | 3.31   | 13Dec2024, 12:00 | 2.766   |
| 1210 | 37.959  | 1.23   | 13Dec2024, 14:00 | 1.292   |
| 1211 | 281.466 | 111.78 | 13Dec2024, 12:00 | 78.157  |
| 1212 | 207.163 | 21.80  | 13Dec2024, 13:00 | 18.896  |
| 1214 | 259.957 | 128.15 | 13Dec2024, 12:00 | 83.284  |
| 1215 | 161.219 | 7.17   | 13Dec2024, 14:00 | 7.193   |
| 1216 | 68.873  | 5.23   | 13Dec2024, 12:00 | 4.391   |
| 1217 | 245.873 | 10.22  | 13Dec2024, 15:00 | 10.815  |
| 1219 | 31.702  | 1.06   | 13Dec2024, 14:00 | 1.086   |
| 1220 | 25.634  | 17.33  | 13Dec2024, 11:00 | 9.170   |
| 1235 | 713.683 | 63.45  | 13Dec2024, 12:00 | 57.218  |
| 1236 | 309.754 | 8.72   | 13Dec2024, 18:00 | 9.285   |
| 1239 | 124.243 | 78.86  | 13Dec2024, 11:00 | 40.683  |
| 1240 | 28.736  | 11.14  | 13Dec2024, 13:00 | 9.560   |
| 1241 | 459.045 | 99.59  | 13Dec2024, 12:00 | 72.272  |
| 1245 | 291.340 | 121.82 | 13Dec2024, 12:00 | 81.167  |
| 1246 | 383.466 | 205.36 | 13Dec2024, 11:00 | 128.308 |
| 1247 | 269.164 | 1.26   | 13Dec2024, 23:00 | 0.611   |
| 1251 | 2.516   | 0.02   | 13Dec2024, 22:00 | 0.012   |
| 1252 | 175.395 | 0.19   | 14Dec2024, 00:00 | 0.057   |
| 1253 | 334.408 | 0.74   | 14Dec2024, 00:00 | 0.312   |

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| 1254 | 161.911 | 8.00   | 13Dec2024, 11:00 | 5.158   |
| 1255 | 528.793 | 163.66 | 13Dec2024, 14:00 | 149.495 |
| 1261 | 196.141 | 5.30   | 13Dec2024, 18:00 | 5.484   |
| 1262 | 217.175 | 10.41  | 13Dec2024, 12:00 | 9.724   |
| 1265 | 92.982  | 2.04   | 13Dec2024, 19:00 | 1.992   |
| 1271 | 93.868  | 50.80  | 13Dec2024, 11:00 | 28.714  |
| 1272 | 822.204 | 234.93 | 13Dec2024, 15:00 | 254.826 |
| 1274 | 580.276 | 10.12  | 13Dec2024, 20:00 | 9.074   |
| 1275 | 171.311 | 1.70   | 13Dec2024, 21:00 | 1.337   |
| 1276 | 333.285 | 115.37 | 13Dec2024, 13:00 | 90.933  |
| 1277 | 202.738 | 44.71  | 13Dec2024, 11:00 | 27.488  |
| 1278 | 312.607 | 5.88   | 13Dec2024, 20:00 | 5.446   |
| 1279 | 518.742 | 163.43 | 13Dec2024, 13:00 | 144.521 |
| 1281 | 45.839  | 6.13   | 13Dec2024, 11:00 | 4.164   |
| 1283 | 276.451 | 53.59  | 13Dec2024, 11:00 | 34.587  |
| 1284 | 396.796 | 7.04   | 13Dec2024, 20:00 | 6.447   |
| 1285 | 70.381  | 8.62   | 13Dec2024, 11:00 | 6.325   |
| 1289 | 2.855   | 1.99   | 13Dec2024, 10:00 | 0.840   |
| 1290 | 327.076 | 18.63  | 13Dec2024, 14:00 | 18.665  |
| 1292 | 606.831 | 2.26   | 14Dec2024, 00:00 | 1.258   |
| 1293 | 379.913 | 1.66   | 14Dec2024, 00:00 | 1.304   |
| 1294 | 214.093 | 0.43   | 14Dec2024, 00:00 | 0.180   |
| 1295 | 24.679  | 4.88   | 13Dec2024, 11:00 | 2.926   |
| 1296 | 85.154  | 17.12  | 13Dec2024, 11:00 | 10.917  |
| 1297 | 164.343 | 4.37   | 13Dec2024, 18:00 | 4.495   |
| 1298 | 17.920  | 0.14   | 13Dec2024, 22:00 | 0.087   |
| 1299 | 177.871 | 0.89   | 13Dec2024, 23:00 | 0.548   |
| 1300 | 17.584  | 0.01   | 14Dec2024, 00:00 | 0.003   |
| 1301 | 78.902  | 0.28   | 14Dec2024, 00:00 | 0.153   |
| 1302 | 329.732 | 17.52  | 13Dec2024, 13:00 | 16.993  |
| 1303 | 562.091 | 18.25  | 13Dec2024, 11:00 | 12.988  |
| 1304 | 321.948 | 10.83  | 13Dec2024, 13:00 | 10.789  |
| 1305 | 21.809  | 8.45   | 13Dec2024, 11:00 | 4.443   |
| 1308 | 173.146 | 0.28   | 14Dec2024, 00:00 | 0.132   |
| 1310 | 148.889 | 9.25   | 13Dec2024, 13:00 | 8.615   |
| 1311 | 122.599 | 4.84   | 13Dec2024, 13:00 | 4.933   |
| 1312 | 626.245 | 21.11  | 13Dec2024, 16:00 | 23.877  |
| 1313 | 21.904  | 9.62   | 13Dec2024, 10:00 | 4.331   |
| 1314 | 621.147 | 73.59  | 13Dec2024, 11:00 | 50.513  |
| 1315 | 708.056 | 31.70  | 13Dec2024, 13:00 | 30.290  |
| 1316 | 112.051 | 0.32   | 14Dec2024, 00:00 | 0.123   |
| 1319 | 92.308  | 0.89   | 13Dec2024, 21:00 | 0.646   |
| 1320 | 366.799 | 14.98  | 13Dec2024, 13:00 | 14.556  |
| 1321 | 86.928  | 0.61   | 13Dec2024, 22:00 | 0.385   |
| 1322 | 343.452 | 15.52  | 13Dec2024, 13:00 | 14.765  |
| 1324 | 289.215 | 0.62   | 14Dec2024, 00:00 | 0.229   |



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| 1325 | 414.303  | 39.24  | 13Dec2024, 11:00 | 29.088  |
| 1327 | 253.937  | 36.69  | 13Dec2024, 11:00 | 23.684  |
| 1328 | 205.305  | 44.91  | 13Dec2024, 11:00 | 26.907  |
| 1332 | 203.580  | 5.77   | 13Dec2024, 14:00 | 6.041   |
| 1334 | 738.887  | 47.74  | 13Dec2024, 13:00 | 46.529  |
| 1335 | 54.751   | 9.95   | 13Dec2024, 11:00 | 6.234   |
| 1338 | 250.124  | 45.20  | 13Dec2024, 11:00 | 27.382  |
| 1339 | 205.177  | 92.30  | 13Dec2024, 12:00 | 64.004  |
| 1340 | 638.086  | 204.54 | 13Dec2024, 13:00 | 163.961 |
| 1341 | 24.488   | 12.27  | 13Dec2024, 11:00 | 7.458   |
| 1342 | 168.441  | 70.08  | 13Dec2024, 11:00 | 42.003  |
| 1343 | 191.638  | 96.31  | 13Dec2024, 11:00 | 58.529  |
| 1344 | 178.894  | 17.14  | 13Dec2024, 11:00 | 12.675  |
| 1345 | 184.924  | 10.30  | 13Dec2024, 13:00 | 9.820   |
| 1346 | 58.161   | 31.14  | 13Dec2024, 11:00 | 17.682  |
| 1347 | 448.263  | 187.42 | 13Dec2024, 12:00 | 128.971 |
| 1349 | 216.776  | 90.35  | 13Dec2024, 11:00 | 57.765  |
| 1351 | 389.332  | 15.48  | 13Dec2024, 14:00 | 16.333  |
| 1352 | 526.647  | 192.20 | 13Dec2024, 12:00 | 134.530 |
| 1353 | 691.743  | 9.10   | 13Dec2024, 22:00 | 7.861   |
| 1356 | 255.954  | 6.14   | 13Dec2024, 19:00 | 6.160   |
| 1358 | 75.472   | 25.67  | 13Dec2024, 10:00 | 12.506  |
| 1359 | 89.242   | 5.70   | 13Dec2024, 12:00 | 4.948   |
| 1360 | 247.158  | 35.94  | 13Dec2024, 11:00 | 23.184  |
| 1361 | 856.126  | 59.53  | 13Dec2024, 11:00 | 49.905  |
| 1362 | 281.850  | 8.76   | 13Dec2024, 14:00 | 9.061   |
| 1363 | 171.180  | 13.88  | 13Dec2024, 12:00 | 11.909  |
| 1364 | 61.166   | 28.84  | 13Dec2024, 12:00 | 20.630  |
| 1365 | 156.249  | 87.00  | 13Dec2024, 11:00 | 51.934  |
| 1366 | 299.687  | 22.22  | 13Dec2024, 12:00 | 18.759  |
| 1367 | 21.779   | 0.22   | 13Dec2024, 21:00 | 0.167   |
| 1368 | 168.459  | 2.88   | 13Dec2024, 20:00 | 2.586   |
| 1369 | 149.343  | 100.62 | 13Dec2024, 11:00 | 51.526  |
| 1370 | 256.518  | 7.66   | 13Dec2024, 14:00 | 8.194   |
| 1371 | 613.509  | 15.31  | 13Dec2024, 19:00 | 16.982  |
| 1372 | 868.584  | 286.46 | 13Dec2024, 13:00 | 229.145 |
| 1373 | 161.277  | 101.46 | 13Dec2024, 11:00 | 53.173  |
| 1374 | 330.764  | 167.61 | 13Dec2024, 12:00 | 106.873 |
| 1375 | 1033.411 | 144.96 | 13Dec2024, 12:00 | 106.530 |
| 1376 | 266.704  | 166.02 | 13Dec2024, 11:00 | 88.413  |
| 1377 | 856.294  | 322.25 | 13Dec2024, 13:00 | 254.543 |
| 1378 | 222.912  | 124.00 | 13Dec2024, 11:00 | 67.143  |
| 1379 | 53.868   | 27.81  | 13Dec2024, 11:00 | 15.084  |
| 1380 | 400.848  | 148.43 | 13Dec2024, 12:00 | 107.338 |
| 1381 | 772.876  | 362.58 | 13Dec2024, 11:00 | 208.134 |
| 1382 | 531.547  | 62.37  | 13Dec2024, 11:00 | 44.549  |

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|------|---------|--------|------------------|---------|
| 1383 | 611.984 | 121.02 | 13Dec2024, 11:00 | 71.861  |
| 1384 | 407.272 | 183.87 | 13Dec2024, 12:00 | 125.358 |
| 1385 | 225.292 | 36.29  | 13Dec2024, 11:00 | 22.700  |
| 1386 | 92.971  | 34.43  | 13Dec2024, 11:00 | 17.872  |
| 1387 | 162.608 | 7.72   | 13Dec2024, 13:00 | 7.505   |
| 1388 | 3.163   | 0.43   | 13Dec2024, 11:00 | 0.289   |
| 1389 | 165.420 | 5.70   | 13Dec2024, 13:00 | 6.040   |
| 1390 | 276.942 | 151.28 | 13Dec2024, 11:00 | 81.428  |
| 1391 | 95.465  | 62.28  | 13Dec2024, 11:00 | 32.812  |
| 1392 | 787.408 | 276.76 | 13Dec2024, 13:00 | 218.646 |
| 1393 | 909.765 | 265.79 | 13Dec2024, 14:00 | 241.827 |
| 1394 | 162.432 | 5.86   | 13Dec2024, 13:00 | 5.919   |
| 1395 | 792.048 | 45.26  | 13Dec2024, 12:00 | 41.672  |
| 1396 | 197.013 | 8.34   | 13Dec2024, 12:00 | 9.087   |
| 1397 | 174.865 | 99.71  | 13Dec2024, 11:00 | 52.784  |
| 1398 | 129.032 | 0.65   | 13Dec2024, 23:00 | 0.375   |
| 1399 | 7.009   | 4.95   | 13Dec2024, 10:00 | 2.124   |
| 1400 | 327.726 | 19.62  | 13Dec2024, 12:00 | 17.282  |
| 1401 | 305.373 | 20.78  | 13Dec2024, 11:00 | 17.573  |
| 1402 | 8.984   | 6.58   | 13Dec2024, 10:00 | 2.868   |
| 1403 | 77.420  | 42.05  | 13Dec2024, 11:00 | 22.664  |
| 1404 | 432.485 | 48.14  | 13Dec2024, 11:00 | 33.938  |
| 1405 | 280.363 | 19.76  | 13Dec2024, 11:00 | 16.994  |
| 1406 | 20.725  | 8.25   | 13Dec2024, 10:00 | 4.060   |
| 1407 | 81.153  | 51.26  | 13Dec2024, 11:00 | 26.646  |
| 1408 | 559.843 | 13.78  | 13Dec2024, 18:00 | 14.053  |
| 1409 | 282.214 | 6.45   | 13Dec2024, 19:00 | 6.433   |
| 1410 | 13.229  | 6.66   | 13Dec2024, 10:00 | 2.820   |
| 1411 | 507.880 | 263.56 | 13Dec2024, 12:00 | 167.427 |
| 1412 | 235.205 | 132.53 | 13Dec2024, 11:00 | 74.536  |
| 1413 | 204.323 | 118.94 | 13Dec2024, 10:00 | 53.121  |
| 1414 | 12.358  | 5.35   | 13Dec2024, 10:00 | 2.378   |
| 1415 | 229.622 | 13.18  | 13Dec2024, 12:00 | 12.073  |
| 1416 | 272.614 | 118.92 | 13Dec2024, 11:00 | 77.812  |
| 1417 | 193.573 | 81.73  | 13Dec2024, 11:00 | 48.254  |
| 1418 | 337.685 | 170.23 | 13Dec2024, 11:00 | 105.740 |
| 1419 | 280.398 | 190.32 | 13Dec2024, 11:00 | 96.980  |
| 1420 | 423.489 | 28.41  | 13Dec2024, 12:00 | 24.782  |
| 1421 | 324.947 | 26.55  | 13Dec2024, 12:00 | 22.349  |
| 1422 | 469.920 | 273.85 | 13Dec2024, 11:00 | 158.136 |
| 1423 | 255.008 | 142.35 | 13Dec2024, 11:00 | 76.230  |
| 1424 | 226.409 | 9.37   | 13Dec2024, 13:00 | 9.266   |
| 1425 | 265.545 | 38.07  | 13Dec2024, 11:00 | 24.664  |
| 1426 | 214.305 | 120.90 | 13Dec2024, 10:00 | 58.104  |
| 1427 | 21.540  | 13.16  | 13Dec2024, 10:00 | 5.456   |
| 1428 | 462.937 | 11.34  | 13Dec2024, 18:00 | 13.455  |

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|------|---------|--------|------------------|---------|
| 1429 | 215.715 | 111.42 | 13Dec2024, 11:00 | 60.502  |
| 1430 | 240.219 | 6.23   | 13Dec2024, 18:00 | 7.773   |
| 1431 | 292.614 | 36.30  | 13Dec2024, 11:00 | 24.562  |
| 1432 | 216.806 | 15.54  | 13Dec2024, 11:00 | 13.453  |
| 1433 | 619.661 | 333.68 | 13Dec2024, 10:00 | 161.584 |
| 1434 | 289.339 | 159.34 | 13Dec2024, 10:00 | 71.852  |
| 1435 | 404.591 | 231.31 | 13Dec2024, 10:00 | 105.655 |
| 1436 | 233.061 | 8.35   | 13Dec2024, 13:00 | 8.436   |
| 1437 | 12.713  | 7.77   | 13Dec2024, 10:00 | 3.085   |
| 1438 | 366.314 | 225.05 | 13Dec2024, 10:00 | 95.527  |
| 1439 | 216.529 | 100.56 | 13Dec2024, 11:00 | 54.902  |
| 1440 | 246.419 | 111.73 | 13Dec2024, 11:00 | 67.684  |
| 1441 | 98.346  | 62.66  | 13Dec2024, 10:00 | 30.718  |
| 1442 | 649.055 | 298.95 | 13Dec2024, 11:00 | 164.487 |
| 1444 | 470.178 | 287.06 | 13Dec2024, 10:00 | 121.054 |
| 1445 | 576.714 | 274.04 | 13Dec2024, 11:00 | 153.432 |
| 1446 | 378.010 | 42.98  | 13Dec2024, 11:00 | 29.914  |
| 1447 | 860.360 | 213.83 | 13Dec2024, 10:00 | 119.225 |
| 1448 | 264.157 | 130.03 | 13Dec2024, 11:00 | 71.283  |
| 1450 | 386.199 | 29.10  | 13Dec2024, 11:00 | 23.638  |
| 1451 | 5.910   | 2.23   | 13Dec2024, 10:00 | 1.047   |
| 1452 | 214.249 | 29.86  | 13Dec2024, 11:00 | 19.506  |
| 1453 | 197.019 | 92.02  | 13Dec2024, 11:00 | 50.387  |
| 1454 | 257.425 | 9.87   | 13Dec2024, 13:00 | 9.668   |
| 1455 | 319.168 | 152.87 | 13Dec2024, 11:00 | 87.884  |
| 1456 | 137.139 | 16.39  | 13Dec2024, 11:00 | 11.291  |
| 1457 | 122.723 | 5.79   | 13Dec2024, 12:00 | 5.535   |
| 1458 | 194.078 | 105.30 | 13Dec2024, 11:00 | 56.506  |
| 1461 | 77.182  | 48.42  | 13Dec2024, 10:00 | 23.599  |
| 1462 | 739.716 | 290.70 | 13Dec2024, 10:00 | 133.771 |
| 1463 | 264.961 | 23.48  | 13Dec2024, 11:00 | 18.434  |
| 1464 | 27.682  | 4.37   | 13Dec2024, 11:00 | 2.831   |
| 1465 | 809.235 | 91.14  | 13Dec2024, 11:00 | 65.454  |
| 1466 | 740.393 | 300.06 | 13Dec2024, 11:00 | 190.978 |
| 1467 | 229.778 | 143.94 | 13Dec2024, 10:00 | 61.687  |
| 1468 | 161.741 | 99.81  | 13Dec2024, 10:00 | 42.528  |
| 1469 | 707.692 | 448.61 | 13Dec2024, 10:00 | 192.504 |
| 1470 | 49.137  | 33.01  | 13Dec2024, 10:00 | 14.052  |
| 1471 | 307.904 | 210.25 | 13Dec2024, 10:00 | 90.296  |
| 1474 | 8.023   | 5.46   | 13Dec2024, 10:00 | 2.315   |
| 1475 | 338.590 | 238.67 | 13Dec2024, 10:00 | 100.268 |
| 1476 | 415.568 | 16.20  | 13Dec2024, 13:00 | 16.049  |
| 1477 | 135.363 | 85.39  | 13Dec2024, 10:00 | 36.635  |
| 1478 | 353.363 | 217.58 | 13Dec2024, 10:00 | 92.562  |
| 1482 | 404.177 | 68.67  | 13Dec2024, 11:00 | 42.462  |
| 1484 | 88.304  | 49.88  | 13Dec2024, 10:00 | 22.103  |

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|--------------|------------|----------|------------------|-----------|
| 1486         | 174.769    | 95.95    | 13Dec2024, 10:00 | 45.314    |
| 1487         | 17.158     | 9.70     | 13Dec2024, 10:00 | 4.611     |
| 1490         | 24.953     | 15.24    | 13Dec2024, 10:00 | 6.074     |
| 1491         | 163.085    | 125.89   | 13Dec2024, 10:00 | 51.521    |
| 1493         | 213.258    | 10.25    | 13Dec2024, 12:00 | 9.574     |
| 1494         | 1563.974   | 1105.85  | 13Dec2024, 10:00 | 464.254   |
| 1499         | 188.421    | 1.32     | 13Dec2024, 23:00 | 0.823     |
| 1500         | 590.462    | 14.35    | 13Dec2024, 19:00 | 14.579    |
| 1501         | 357.717    | 8.88     | 13Dec2024, 19:00 | 9.122     |
| 1502         | 100.153    | 54.13    | 13Dec2024, 11:00 | 29.983    |
| 1505         | 234.307    | 155.67   | 13Dec2024, 10:00 | 66.434    |
| From Jun 188 | 0.000      | 10091.76 | 13Dec2024, 18:00 | 10763.940 |
| Jun-2        | 1018.490   | 433.12   | 13Dec2024, 11:00 | 257.805   |
| Jun-3        | 2571.718   | 952.58   | 13Dec2024, 12:00 | 672.044   |
| Jun-6        | 9307.166   | 1120.79  | 13Dec2024, 14:00 | 875.818   |
| Jun-7        | 988.067    | 41.41    | 13Dec2024, 12:00 | 39.363    |
| Jun-8        | 1125.960   | 347.55   | 13Dec2024, 10:00 | 175.472   |
| Jun-10       | 18358.361  | 1424.79  | 13Dec2024, 16:00 | 1346.123  |
| Jun-11       | 8614.092   | 1100.67  | 13Dec2024, 13:00 | 784.428   |
| Jun-12       | 15945.625  | 1532.22  | 13Dec2024, 17:00 | 2286.489  |
| Jun-13       | 30195.191  | 2498.13  | 13Dec2024, 15:00 | 2917.852  |
| Jun-14       | 648.619    | 33.03    | 13Dec2024, 14:00 | 34.832    |
| Jun-16       | 2311.449   | 802.71   | 13Dec2024, 14:00 | 684.922   |
| Jun-19       | 585.785    | 19.43    | 13Dec2024, 14:00 | 21.134    |
| Jun-20       | 686.120    | 203.39   | 13Dec2024, 14:00 | 211.098   |
| Jun-22       | 17746.141  | 1479.69  | 13Dec2024, 15:00 | 1339.551  |
| Jun-23       | 4022.568   | 894.66   | 13Dec2024, 11:00 | 603.852   |
| Jun-25       | 959.075    | 60.29    | 13Dec2024, 11:00 | 49.618    |
| Jun-26       | 33429.809  | 3187.40  | 13Dec2024, 12:00 | 3725.895  |
| Jun-29       | 934.444    | 3.97     | 14Dec2024, 00:00 | 2.809     |
| Jun-30       | 1859.663   | 10058.69 | 13Dec2024, 19:00 | 10829.379 |
| Jun-32       | 22410.775  | 5405.09  | 13Dec2024, 11:00 | 4327.271  |
| Jun-34       | 1868.612   | 585.61   | 13Dec2024, 10:00 | 319.162   |
| Jun-37       | 8699.251   | 1081.79  | 13Dec2024, 13:00 | 900.377   |
| Jun-38       | 1041.931   | 399.12   | 13Dec2024, 12:00 | 276.170   |
| Jun-39       | 1736.703   | 542.92   | 13Dec2024, 13:00 | 503.662   |
| Jun-41       | 1167.171   | 528.14   | 13Dec2024, 11:00 | 298.887   |
| Jun-43       | 2989.010   | 1268.41  | 13Dec2024, 12:00 | 862.481   |
| Jun-44       | 1834.902   | 603.37   | 13Dec2024, 13:00 | 481.003   |
| Jun-46       | 1269.278   | 59.01    | 13Dec2024, 13:00 | 56.906    |
| Jun-48       | 198471.953 | 28519.64 | 13Dec2024, 17:00 | 44754.142 |
| Jun-50       | 831.386    | 61.35    | 13Dec2024, 11:00 | 50.848    |
| Jun-51       | 924.441    | 184.26   | 13Dec2024, 11:00 | 109.096   |
| Jun-54       | 44602.191  | 6432.88  | 13Dec2024, 14:00 | 6795.192  |
| Jun-55       | 901.539    | 212.98   | 13Dec2024, 13:00 | 179.659   |
| Jun-57       | 1650.758   | 615.57   | 13Dec2024, 12:00 | 438.826   |

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| Jun-59  | 667.249    | 363.87   | 13Dec2024, 11:00 | 201.882   |
| Jun-62  | 194133.547 | 28263.32 | 13Dec2024, 17:00 | 43634.340 |
| Jun-63  | 4215.861   | 2181.81  | 13Dec2024, 11:00 | 1199.779  |
| Jun-66  | 1272.349   | 47.43    | 13Dec2024, 13:00 | 49.568    |
| Jun-67  | 16900.543  | 3083.46  | 13Dec2024, 11:00 | 2743.923  |
| Jun-70  | 16974.883  | 1456.85  | 13Dec2024, 15:00 | 1302.122  |
| Jun-72  | 54021.066  | 3265.46  | 13Dec2024, 21:00 | 4158.536  |
| Jun-74  | 47186.551  | 2662.08  | 13Dec2024, 20:00 | 2921.287  |
| Jun-75  | 2657.446   | 387.24   | 13Dec2024, 12:00 | 249.962   |
| Jun-78  | 1143.280   | 336.96   | 13Dec2024, 12:00 | 241.271   |
| Jun-80  | 46068.906  | 2634.02  | 13Dec2024, 19:00 | 2760.778  |
| Jun-84  | 16856.812  | 958.65   | 13Dec2024, 17:00 | 929.622   |
| Jun-85  | 1819.193   | 67.83    | 13Dec2024, 18:00 | 80.180    |
| Jun-89  | 2285.834   | 878.04   | 13Dec2024, 13:00 | 656.337   |
| Jun-90  | 1512.926   | 13.93    | 13Dec2024, 11:00 | 9.469     |
| Jun-95  | 754.887    | 55.09    | 13Dec2024, 11:00 | 45.041    |
| Jun-96  | 4282.198   | 1793.09  | 13Dec2024, 12:00 | 1242.783  |
| Jun-101 | 500.860    | 178.59   | 13Dec2024, 11:00 | 132.696   |
| Jun-103 | 437.113    | 211.34   | 13Dec2024, 11:00 | 116.475   |
| Jun-105 | 2662.449   | 108.94   | 13Dec2024, 14:00 | 106.779   |
| Jun-107 | 2643.079   | 420.13   | 13Dec2024, 11:00 | 314.201   |
| Jun-109 | 869.331    | 302.37   | 13Dec2024, 12:00 | 220.419   |
| Jun-112 | 16356.912  | 6440.24  | 13Dec2024, 13:00 | 4713.086  |
| Jun-114 | 1575.831   | 10084.45 | 13Dec2024, 19:00 | 10813.613 |
| Jun-115 | 2428.119   | 82.76    | 13Dec2024, 13:00 | 83.124    |
| Jun-117 | 2784.377   | 1318.69  | 13Dec2024, 11:00 | 715.297   |
| Jun-118 | 18288.926  | 989.07   | 13Dec2024, 18:00 | 1001.016  |
| Jun-122 | 756.523    | 203.31   | 13Dec2024, 14:00 | 189.689   |
| Jun-123 | 1620.760   | 521.30   | 13Dec2024, 13:00 | 458.431   |
| Jun-128 | 446.602    | 276.22   | 13Dec2024, 10:00 | 115.548   |
| Jun-129 | 2682.278   | 781.20   | 13Dec2024, 14:00 | 719.138   |
| Jun-133 | 4060.523   | 105.90   | 13Dec2024, 13:00 | 117.371   |
| Jun-134 | 1843.994   | 520.40   | 13Dec2024, 14:00 | 418.050   |
| Jun-135 | 4064.110   | 427.69   | 13Dec2024, 12:00 | 300.822   |
| Jun-138 | 451.143    | 24.18    | 13Dec2024, 12:00 | 22.122    |
| Jun-141 | 634.640    | 404.67   | 13Dec2024, 10:00 | 170.451   |
| Jun-142 | 513.723    | 124.37   | 13Dec2024, 11:00 | 76.784    |
| Jun-144 | 2867.941   | 129.20   | 13Dec2024, 17:00 | 155.735   |
| Jun-145 | 532.372    | 22.69    | 13Dec2024, 13:00 | 22.629    |
| Jun-146 | 1116.741   | 13.52    | 13Dec2024, 21:00 | 12.971    |
| Jun-147 | 4156.419   | 767.50   | 13Dec2024, 12:00 | 487.307   |
| Jun-150 | 25089.834  | 5752.46  | 13Dec2024, 13:00 | 5077.565  |
| Jun-151 | 17518.094  | 3250.26  | 13Dec2024, 11:00 | 2940.658  |
| Jun-153 | 5714.732   | 2577.00  | 13Dec2024, 12:00 | 1603.966  |
| Jun-156 | 3504.966   | 795.26   | 13Dec2024, 11:00 | 466.972   |
| Jun-157 | 11103.148  | 902.40   | 13Dec2024, 14:00 | 712.769   |

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| Jun-159 | 1799.512   | 722.62   | 13Dec2024, 11:00 | 475.741   |
| Jun-170 | 57759.223  | 3613.51  | 13Dec2024, 22:00 | 5137.474  |
| Jun-176 | 1128.630   | 35.36    | 13Dec2024, 15:00 | 37.650    |
| Jun-177 | 672.239    | 361.19   | 13Dec2024, 11:00 | 218.373   |
| Jun-180 | 6977.528   | 10022.56 | 13Dec2024, 23:00 | 11886.146 |
| Jun-181 | 5346.668   | 10032.76 | 13Dec2024, 22:00 | 11567.530 |
| Jun-183 | 201393.281 | 29146.05 | 13Dec2024, 17:00 | 45549.659 |
| Jun-184 | 14824.134  | 928.78   | 13Dec2024, 16:00 | 824.775   |
| Jun-186 | 1784.385   | 671.15   | 13Dec2024, 14:00 | 524.039   |
| Jun-189 | 746.846    | 14.63    | 13Dec2024, 12:00 | 18.384    |
| Jun-191 | 2655.630   | 149.36   | 13Dec2024, 14:00 | 136.251   |
| Jun-192 | 12763.722  | 950.22   | 13Dec2024, 19:00 | 1322.725  |
| Jun-193 | 825.853    | 174.20   | 13Dec2024, 13:00 | 136.291   |
| Jun-194 | 2833.796   | 147.90   | 13Dec2024, 17:00 | 182.048   |
| Jun-195 | 843.827    | 163.25   | 13Dec2024, 13:00 | 141.228   |
| Jun-199 | 565.041    | 15.03    | 13Dec2024, 13:00 | 14.943    |
| Jun-200 | 54316.008  | 3274.95  | 13Dec2024, 22:00 | 4190.168  |
| Jun-202 | 486.291    | 15.04    | 13Dec2024, 13:00 | 15.284    |
| Jun-203 | 20431.564  | 1446.37  | 13Dec2024, 17:00 | 1384.022  |
| Jun-204 | 2932.997   | 1120.18  | 13Dec2024, 12:00 | 890.481   |
| Jun-206 | 12586.199  | 1580.25  | 13Dec2024, 13:00 | 1535.780  |
| Jun-208 | 2681.306   | 1208.88  | 13Dec2024, 12:00 | 764.086   |
| Jun-209 | 1090.637   | 424.96   | 13Dec2024, 12:00 | 320.656   |
| Jun-212 | 829.950    | 314.56   | 13Dec2024, 12:00 | 224.493   |
| Jun-214 | 177933.438 | 26832.76 | 13Dec2024, 16:00 | 41363.841 |
| Jun-216 | 2231.651   | 161.03   | 13Dec2024, 13:00 | 143.381   |
| Jun-218 | 446.068    | 77.28    | 13Dec2024, 12:00 | 54.913    |
| Jun-221 | 1677.969   | 322.66   | 13Dec2024, 11:00 | 208.048   |
| Jun-222 | 42918.430  | 6095.10  | 13Dec2024, 13:00 | 6342.313  |
| Jun-223 | 585.651    | 53.60    | 13Dec2024, 14:00 | 52.212    |
| Jun-226 | 916.486    | 500.94   | 13Dec2024, 11:00 | 272.072   |
| Jun-227 | 601.086    | 80.05    | 13Dec2024, 11:00 | 52.286    |
| Jun-229 | 18210.713  | 3530.36  | 13Dec2024, 11:00 | 3161.104  |
| Jun-231 | 850.959    | 96.68    | 13Dec2024, 14:00 | 108.163   |
| Jun-233 | 7303.118   | 982.86   | 13Dec2024, 13:00 | 779.437   |
| Jun-235 | 9502.162   | 1171.88  | 13Dec2024, 14:00 | 1122.505  |
| Jun-239 | 1047.568   | 274.56   | 13Dec2024, 10:00 | 162.832   |
| Jun-240 | 633.099    | 40.00    | 13Dec2024, 12:00 | 34.855    |
| Jun-241 | 204854.094 | 29704.65 | 13Dec2024, 18:00 | 46250.494 |
| Jun-244 | 4672.760   | 267.61   | 13Dec2024, 19:00 | 357.607   |
| Jun-245 | 6035.103   | 392.40   | 13Dec2024, 18:00 | 527.725   |
| Jun-246 | 382.764    | 176.40   | 13Dec2024, 11:00 | 101.072   |
| Jun-251 | 3194.043   | 1471.13  | 13Dec2024, 11:00 | 891.629   |
| Jun-253 | 2421.506   | 1295.98  | 13Dec2024, 11:00 | 706.570   |
| Jun-254 | 29344.678  | 6742.29  | 13Dec2024, 13:00 | 6297.510  |
| Jun-258 | 703.156    | 17.56    | 13Dec2024, 18:00 | 21.228    |

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| Jun-259 | 4074.817  | 254.16   | 13Dec2024, 13:00 | 241.891   |
| Jun-261 | 834.951   | 395.84   | 13Dec2024, 10:00 | 211.254   |
| Jun-265 | 2249.133  | 94.47    | 13Dec2024, 14:00 | 93.055    |
| Jun-266 | 1636.117  | 694.03   | 13Dec2024, 11:00 | 434.445   |
| Jun-268 | 8614.007  | 707.74   | 13Dec2024, 16:00 | 970.177   |
| Jun-269 | 4475.333  | 205.66   | 13Dec2024, 14:00 | 222.387   |
| Jun-270 | 6777.732  | 1099.03  | 13Dec2024, 13:00 | 724.015   |
| Jun-271 | 1014.036  | 181.10   | 13Dec2024, 10:00 | 98.436    |
| Jun-273 | 11250.188 | 1078.59  | 13Dec2024, 14:00 | 1118.694  |
| Jun-275 | 24571.469 | 5789.83  | 13Dec2024, 12:00 | 4955.792  |
| Jun-276 | 806.528   | 260.99   | 13Dec2024, 12:00 | 205.964   |
| Jun-277 | 16649.441 | 6432.55  | 13Dec2024, 13:00 | 4817.147  |
| Jun-279 | 15615.260 | 1349.60  | 13Dec2024, 14:00 | 1171.104  |
| Jun-283 | 1501.158  | 437.23   | 13Dec2024, 12:00 | 311.963   |
| Jun-285 | 4292.052  | 409.44   | 13Dec2024, 13:00 | 315.389   |
| Jun-292 | 1554.663  | 743.17   | 13Dec2024, 11:00 | 397.360   |
| Jun-294 | 40151.148 | 5414.98  | 13Dec2024, 13:00 | 5613.962  |
| Jun-295 | 7088.109  | 990.02   | 13Dec2024, 13:00 | 768.795   |
| Jun-296 | 13978.534 | 1039.52  | 13Dec2024, 15:00 | 946.829   |
| Jun-302 | 1523.987  | 213.79   | 13Dec2024, 11:00 | 141.875   |
| Jun-305 | 600.100   | 10080.14 | 13Dec2024, 19:00 | 10805.044 |
| Jun-306 | 517.349   | 172.17   | 13Dec2024, 12:00 | 113.636   |
| Jun-308 | 1289.945  | 13.70    | 13Dec2024, 21:00 | 11.987    |
| Jun-310 | 1075.635  | 571.27   | 13Dec2024, 10:00 | 301.079   |
| Jun-311 | 1780.275  | 442.41   | 13Dec2024, 11:00 | 235.874   |
| Jun-312 | 488.171   | 10.35    | 13Dec2024, 19:00 | 11.135    |
| Jun-313 | 66469.398 | 13646.93 | 14Dec2024, 00:00 | 17411.257 |
| Jun-314 | 531.847   | 287.37   | 13Dec2024, 11:00 | 184.359   |
| Jun-315 | 472.428   | 260.93   | 13Dec2024, 11:00 | 144.974   |
| Jun-318 | 7581.074  | 806.22   | 13Dec2024, 13:00 | 595.433   |
| Jun-319 | 3956.693  | 938.77   | 13Dec2024, 11:00 | 555.441   |
| Jun-320 | 2868.352  | 929.75   | 13Dec2024, 13:00 | 663.339   |
| Jun-323 | 21016.576 | 1440.16  | 13Dec2024, 17:00 | 1400.512  |
| Jun-324 | 38064.203 | 4843.59  | 13Dec2024, 12:00 | 5014.576  |
| Jun-326 | 50788.242 | 2989.39  | 13Dec2024, 20:00 | 3535.773  |
| Jun-327 | 647.134   | 310.40   | 13Dec2024, 11:00 | 173.627   |
| Jun-328 | 93539.773 | 19393.66 | 13Dec2024, 14:00 | 18769.861 |
| Jun-329 | 4339.422  | 233.15   | 13Dec2024, 18:00 | 290.343   |
| Jun-330 | 9610.228  | 927.57   | 13Dec2024, 13:00 | 750.510   |
| Jun-333 | 4686.258  | 412.40   | 13Dec2024, 13:00 | 322.602   |
| Jun-335 | 5006.105  | 10022.80 | 13Dec2024, 22:00 | 11471.317 |
| Jun-337 | 3255.318  | 169.62   | 13Dec2024, 17:00 | 208.187   |
| Jun-338 | 12667.849 | 897.69   | 13Dec2024, 15:00 | 726.603   |
| Jun-340 | 1517.960  | 508.29   | 13Dec2024, 12:00 | 392.400   |
| Jun-346 | 6538.040  | 451.45   | 13Dec2024, 18:00 | 626.456   |
| Jun-349 | 3255.877  | 1296.89  | 13Dec2024, 12:00 | 900.646   |



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| Jun-350 | 1003.032   | 299.17   | 13Dec2024, 13:00 | 261.045   |
| Jun-351 | 11430.527  | 1019.04  | 13Dec2024, 14:00 | 878.249   |
| Jun-353 | 893.406    | 345.65   | 13Dec2024, 11:00 | 233.943   |
| Jun-356 | 726.411    | 1.18     | 14Dec2024, 00:00 | 0.559     |
| Jun-358 | 3981.365   | 10066.80 | 13Dec2024, 21:00 | 11214.403 |
| Jun-361 | 1979.193   | 87.93    | 13Dec2024, 13:00 | 89.678    |
| Jun-365 | 2780.305   | 959.93   | 13Dec2024, 13:00 | 754.309   |
| Jun-366 | 2101.021   | 49.64    | 13Dec2024, 15:00 | 57.105    |
| Jun-370 | 490.492    | 65.73    | 13Dec2024, 11:00 | 42.695    |
| Jun-373 | 595.261    | 66.43    | 13Dec2024, 11:00 | 46.123    |
| Jun-374 | 13457.261  | 1729.70  | 13Dec2024, 13:00 | 1770.611  |
| Jun-375 | 3834.418   | 660.43   | 13Dec2024, 12:00 | 423.536   |
| Jun-376 | 679.894    | 416.62   | 13Dec2024, 10:00 | 174.205   |
| Jun-377 | 1110.947   | 574.33   | 13Dec2024, 12:00 | 355.209   |
| Jun-378 | 1521.755   | 643.09   | 13Dec2024, 13:00 | 453.014   |
| Jun-380 | 1749.903   | 435.81   | 13Dec2024, 11:00 | 236.279   |
| Jun-383 | 4319.132   | 565.60   | 13Dec2024, 12:00 | 402.911   |
| Jun-384 | 7645.737   | 10057.62 | 13Dec2024, 23:00 | 12025.410 |
| Jun-386 | 1892.937   | 317.75   | 13Dec2024, 13:00 | 277.302   |
| Jun-388 | 696.606    | 451.86   | 13Dec2024, 10:00 | 192.842   |
| Jun-389 | 1872.738   | 342.95   | 13Dec2024, 11:00 | 207.021   |
| Jun-390 | 11979.437  | 4765.16  | 13Dec2024, 13:00 | 3438.744  |
| Jun-393 | 4991.074   | 1175.99  | 13Dec2024, 11:00 | 698.523   |
| Jun-395 | 8069.514   | 3026.28  | 13Dec2024, 12:00 | 2417.573  |
| Jun-396 | 110409.242 | 23296.63 | 13Dec2024, 16:00 | 23676.934 |
| Jun-398 | 617.016    | 17.46    | 13Dec2024, 14:00 | 19.371    |
| Jun-400 | 1317.107   | 574.10   | 13Dec2024, 11:00 | 344.410   |
| Jun-402 | 1099.655   | 578.23   | 13Dec2024, 11:00 | 308.625   |
| Jun-403 | 558.159    | 74.37    | 13Dec2024, 11:00 | 49.226    |
| Jun-404 | 1114.610   | 42.83    | 13Dec2024, 18:00 | 51.539    |
| Jun-407 | 2289.002   | 645.71   | 13Dec2024, 14:00 | 593.583   |
| Jun-408 | 24045.480  | 5701.58  | 13Dec2024, 12:00 | 4812.311  |
| Jun-409 | 15174.476  | 1390.27  | 13Dec2024, 16:00 | 2034.141  |
| Jun-411 | 1830.456   | 77.78    | 13Dec2024, 13:00 | 73.948    |
| Jun-413 | 22074.107  | 5325.17  | 13Dec2024, 11:00 | 4230.900  |
| Jun-414 | 16213.471  | 2815.95  | 13Dec2024, 11:00 | 2556.441  |
| Jun-416 | 5203.278   | 2433.62  | 13Dec2024, 12:00 | 1470.483  |
| Jun-417 | 6739.326   | 2500.18  | 13Dec2024, 13:00 | 2002.661  |
| Jun-418 | 2234.963   | 10001.53 | 13Dec2024, 20:00 | 10853.898 |
| Jun-420 | 1502.166   | 801.74   | 13Dec2024, 11:00 | 440.322   |
| Jun-421 | 1155.752   | 22.17    | 13Dec2024, 10:00 | 18.212    |
| Jun-422 | 18780.562  | 1425.07  | 13Dec2024, 16:00 | 1347.482  |
| Jun-423 | 1939.257   | 1382.54  | 13Dec2024, 10:00 | 578.997   |
| Jun-424 | 722.837    | 333.54   | 13Dec2024, 10:00 | 145.045   |
| Jun-425 | 383.357    | 288.43   | 13Dec2024, 10:00 | 118.915   |
| Jun-427 | 636.163    | 48.26    | 13Dec2024, 11:00 | 37.173    |

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| Jun-429 | 840.660    | 330.43   | 13Dec2024, 12:00 | 236.515   |
| Jun-430 | 13768.451  | 1778.42  | 13Dec2024, 13:00 | 1850.224  |
| Jun-432 | 2161.726   | 396.27   | 13Dec2024, 11:00 | 243.441   |
| Jun-433 | 1590.660   | 292.76   | 13Dec2024, 11:00 | 176.793   |
| Jun-434 | 3557.316   | 343.45   | 13Dec2024, 11:00 | 326.033   |
| Jun-435 | 1265.366   | 719.03   | 13Dec2024, 10:00 | 342.354   |
| Jun-436 | 764.157    | 448.71   | 13Dec2024, 10:00 | 217.544   |
| Jun-437 | 1190.122   | 413.82   | 13Dec2024, 10:00 | 201.596   |
| Jun-441 | 205969.875 | 29606.75 | 13Dec2024, 18:00 | 46407.334 |
| Jun-443 | 682.431    | 214.53   | 13Dec2024, 10:00 | 185.923   |
| Jun-444 | 46922.707  | 2636.34  | 13Dec2024, 20:00 | 2846.360  |
| Jun-447 | 574.020    | 107.29   | 13Dec2024, 11:00 | 64.526    |
| Jun-450 | 5892.333   | 2188.94  | 13Dec2024, 12:00 | 1708.704  |
| Jun-453 | 2307.329   | 98.03    | 13Dec2024, 17:00 | 117.103   |
| Jun-454 | 1492.400   | 24.63    | 13Dec2024, 21:00 | 29.955    |
| Jun-457 | 8601.553   | 3531.32  | 13Dec2024, 13:00 | 2442.004  |
| Jun-459 | 13602.891  | 902.72   | 13Dec2024, 16:00 | 779.303   |
| Jun-460 | 1240.207   | 49.02    | 13Dec2024, 13:00 | 43.550    |
| Jun-461 | 1044.496   | 61.20    | 13Dec2024, 15:00 | 67.242    |
| Jun-464 | 1019.353   | 446.25   | 13Dec2024, 11:00 | 283.117   |
| Jun-466 | 1546.898   | 656.75   | 13Dec2024, 11:00 | 405.739   |
| Jun-469 | 1431.164   | 492.52   | 13Dec2024, 13:00 | 396.498   |
| Jun-471 | 1898.208   | 394.95   | 13Dec2024, 12:00 | 242.357   |
| Jun-473 | 734.251    | 347.46   | 13Dec2024, 11:00 | 188.841   |
| Jun-474 | 1030.683   | 105.57   | 13Dec2024, 15:00 | 107.086   |
| Jun-479 | 1724.122   | 750.44   | 13Dec2024, 11:00 | 484.870   |
| Jun-480 | 726.817    | 278.83   | 13Dec2024, 11:00 | 187.979   |
| Jun-481 | 9132.876   | 924.51   | 13Dec2024, 13:00 | 729.392   |
| Jun-482 | 106762.109 | 23477.53 | 13Dec2024, 15:00 | 22729.144 |
| Jun-485 | 108422.258 | 23189.19 | 13Dec2024, 15:00 | 23205.740 |
| Jun-488 | 24133.924  | 1200.94  | 13Dec2024, 19:00 | 1288.696  |
| Jun-490 | 1644.314   | 645.35   | 13Dec2024, 12:00 | 493.674   |
| Jun-491 | 1918.985   | 601.81   | 13Dec2024, 13:00 | 516.083   |
| Jun-492 | 705.021    | 89.03    | 13Dec2024, 12:00 | 90.673    |
| Jun-495 | 2832.369   | 438.56   | 13Dec2024, 14:00 | 398.242   |
| Jun-498 | 1022.520   | 413.92   | 13Dec2024, 10:00 | 193.512   |
| Jun-499 | 11686.976  | 4714.72  | 13Dec2024, 13:00 | 3334.613  |
| Jun-500 | 2385.953   | 333.70   | 13Dec2024, 12:00 | 209.864   |
| Jun-501 | 17356.734  | 980.92   | 13Dec2024, 18:00 | 959.999   |
| Jun-504 | 991.548    | 165.02   | 13Dec2024, 12:00 | 116.812   |
| Jun-508 | 194420.172 | 28215.72 | 13Dec2024, 17:00 | 43708.941 |
| Jun-509 | 8799.342   | 638.32   | 13Dec2024, 14:00 | 702.791   |
| Jun-511 | 11177.889  | 1016.87  | 13Dec2024, 14:00 | 856.493   |
| Jun-512 | 491.053    | 225.68   | 13Dec2024, 11:00 | 134.057   |
| Jun-514 | 28604.947  | 6722.75  | 13Dec2024, 13:00 | 6051.033  |
| Jun-519 | 666.708    | 151.39   | 13Dec2024, 10:00 | 89.126    |

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| Jun-520 | 4443.365   | 654.19   | 13Dec2024, 12:00 | 459.095   |
| Jun-521 | 15112.123  | 945.22   | 13Dec2024, 16:00 | 860.484   |
| Jun-522 | 716.059    | 152.71   | 13Dec2024, 11:00 | 88.916    |
| Jun-525 | 856.294    | 322.25   | 13Dec2024, 13:00 | 254.543   |
| Jun-528 | 1425.610   | 764.19   | 13Dec2024, 10:00 | 407.558   |
| Jun-534 | 14071.872  | 1246.29  | 13Dec2024, 14:00 | 1024.956  |
| Jun-535 | 2558.719   | 828.64   | 13Dec2024, 12:00 | 584.489   |
| Jun-540 | 571.315    | 83.60    | 13Dec2024, 11:00 | 53.750    |
| Jun-543 | 2653.455   | 1050.02  | 13Dec2024, 12:00 | 723.566   |
| Jun-544 | 10665.417  | 1037.33  | 13Dec2024, 13:00 | 858.214   |
| Jun-545 | 43517.836  | 6136.40  | 13Dec2024, 14:00 | 6501.687  |
| Jun-548 | 93602.320  | 19345.95 | 13Dec2024, 14:00 | 18793.559 |
| Jun-551 | 95984.328  | 19926.97 | 13Dec2024, 14:00 | 19554.352 |
| Jun-552 | 23627.516  | 1183.24  | 13Dec2024, 19:00 | 1257.851  |
| Jun-555 | 1715.019   | 206.34   | 13Dec2024, 11:00 | 149.142   |
| Jun-558 | 17250.918  | 1471.72  | 13Dec2024, 15:00 | 1326.367  |
| Jun-559 | 3069.213   | 500.46   | 13Dec2024, 14:00 | 474.767   |
| Jun-560 | 408.538    | 58.82    | 13Dec2024, 11:00 | 40.693    |
| Jun-563 | 42386.898  | 6008.54  | 13Dec2024, 13:00 | 6204.233  |
| Jun-565 | 197989.875 | 28876.99 | 13Dec2024, 17:00 | 44666.985 |
| Jun-566 | 46284.926  | 12846.96 | 13Dec2024, 14:00 | 11204.241 |
| Jun-568 | 4789.886   | 640.17   | 13Dec2024, 13:00 | 472.761   |
| Jun-570 | 2361.076   | 75.84    | 13Dec2024, 13:00 | 90.310    |
| Jun-573 | 90974.258  | 19099.47 | 13Dec2024, 14:00 | 18033.236 |
| Jun-574 | 556.900    | 208.66   | 13Dec2024, 10:00 | 97.910    |
| Jun-575 | 1367.885   | 349.13   | 13Dec2024, 11:00 | 195.991   |
| Jun-576 | 992.590    | 501.95   | 13Dec2024, 12:00 | 306.770   |
| Jun-578 | 37154.438  | 4775.08  | 13Dec2024, 12:00 | 4778.882  |
| Jun-579 | 698.588    | 36.47    | 13Dec2024, 12:00 | 33.390    |
| Jun-580 | 1018.986   | 282.20   | 13Dec2024, 13:00 | 274.631   |
| Jun-581 | 12582.627  | 928.88   | 13Dec2024, 19:00 | 1275.029  |
| Jun-584 | 3284.888   | 133.43   | 13Dec2024, 13:00 | 146.622   |
| Jun-585 | 15874.984  | 2704.49  | 13Dec2024, 11:00 | 2455.254  |
| Jun-586 | 946.972    | 350.14   | 13Dec2024, 12:00 | 248.860   |
| Jun-587 | 4748.209   | 716.82   | 13Dec2024, 13:00 | 493.929   |
| Jun-589 | 38555.688  | 4909.44  | 13Dec2024, 13:00 | 5146.697  |
| Jun-590 | 93134.438  | 19573.21 | 13Dec2024, 14:00 | 18626.307 |
| Jun-591 | 25356.254  | 5771.66  | 13Dec2024, 13:00 | 5149.557  |
| Jun-592 | 1198.843   | 279.41   | 13Dec2024, 11:00 | 159.470   |
| Jun-594 | 809.502    | 275.56   | 13Dec2024, 11:00 | 161.205   |
| Jun-596 | 15947.029  | 960.85   | 13Dec2024, 17:00 | 883.865   |
| Jun-597 | 7843.985   | 585.28   | 13Dec2024, 18:00 | 823.797   |
| Jun-600 | 177221.547 | 26823.35 | 13Dec2024, 16:00 | 41128.261 |
| Jun-601 | 15274.205  | 2423.51  | 13Dec2024, 11:00 | 2277.369  |
| Jun-602 | 1947.071   | 697.64   | 13Dec2024, 13:00 | 559.977   |
| Jun-604 | 107073.922 | 23362.52 | 13Dec2024, 15:00 | 22812.434 |

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| Jun-611   | 15292.947  | 1714.28  | 13Dec2024, 11:00 | 1726.556  |
| Jun-612   | 870.640    | 384.17   | 13Dec2024, 11:00 | 238.212   |
| Jun-614   | 869.271    | 52.68    | 13Dec2024, 12:00 | 47.815    |
| Jun-616   | 1032.248   | 356.51   | 13Dec2024, 12:00 | 279.666   |
| Jun-617   | 3908.241   | 175.98   | 13Dec2024, 13:00 | 189.771   |
| Jun-621   | 1486.979   | 294.04   | 13Dec2024, 11:00 | 176.841   |
| Jun-623   | 2017.977   | 1073.76  | 13Dec2024, 11:00 | 586.359   |
| Jun-624   | 1320.805   | 332.78   | 13Dec2024, 12:00 | 274.095   |
| Jun-629   | 23166.016  | 5441.25  | 13Dec2024, 11:00 | 4545.924  |
| Jun-630   | 850.990    | 21.33    | 13Dec2024, 19:00 | 22.935    |
| Jun-631   | 511.025    | 164.20   | 13Dec2024, 11:00 | 115.546   |
| Jun-641   | 206105.531 | 29250.23 | 13Dec2024, 19:00 | 46345.077 |
| Reach-149 | 850.959    | 96.50    | 13Dec2024, 16:00 | 107.624   |
| Reach-166 | 6538.040   | 450.73   | 13Dec2024, 19:00 | 624.861   |
| Reach-167 | 6538.040   | 450.82   | 13Dec2024, 19:00 | 624.783   |
| Reach-168 | 6035.103   | 391.95   | 13Dec2024, 19:00 | 526.754   |
| Reach-169 | 4672.760   | 267.41   | 13Dec2024, 19:00 | 356.844   |
| Reach-170 | 4339.422   | 232.71   | 13Dec2024, 19:00 | 289.690   |
| Reach-174 | 3255.318   | 168.84   | 13Dec2024, 19:00 | 206.715   |
| Reach-177 | 2833.796   | 147.65   | 13Dec2024, 17:00 | 182.101   |
| Reach-189 | 1044.496   | 60.49    | 13Dec2024, 17:00 | 67.144    |
| Reach-213 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-214 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-215 | 1114.610   | 42.75    | 13Dec2024, 20:00 | 51.331    |
| Reach-246 | 1030.683   | 105.50   | 13Dec2024, 16:00 | 106.297   |
| Reach-266 | 585.651    | 52.60    | 13Dec2024, 16:00 | 52.093    |
| Reach-279 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-280 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-282 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-286 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-290 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-291 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-296 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-300 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-307 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-312 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-391 | 205969.875 | 29221.25 | 13Dec2024, 19:00 | 46306.324 |
| Reach-392 | 204894.094 | 29398.74 | 13Dec2024, 18:00 | 46176.544 |
| Reach-393 | 204894.094 | 29622.89 | 13Dec2024, 18:00 | 46236.187 |
| Reach-394 | 201393.281 | 29105.73 | 13Dec2024, 18:00 | 45394.515 |
| Reach-395 | 198471.953 | 28464.55 | 13Dec2024, 18:00 | 44749.677 |
| Reach-396 | 197989.875 | 28430.62 | 13Dec2024, 17:00 | 44596.216 |
| Reach-397 | 194420.172 | 27938.49 | 13Dec2024, 17:00 | 43651.334 |
| Reach-398 | 194133.547 | 28169.89 | 13Dec2024, 17:00 | 43617.409 |
| Reach-399 | 177933.438 | 26685.17 | 13Dec2024, 17:00 | 41256.297 |
| Reach-400 | 177221.547 | 26631.62 | 13Dec2024, 16:00 | 41120.587 |

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| Reach-401 | 66469.398  | 13623.38 | 14Dec2024, 00:00 | 17389.908 |
| Reach-402 | 7645.737   | 9933.92  | 14Dec2024, 00:00 | 12005.311 |
| Reach-403 | 6977.528   | 9995.77  | 13Dec2024, 23:00 | 11806.221 |
| Reach-404 | 5346.668   | 9886.56  | 13Dec2024, 23:00 | 11512.690 |
| Reach-405 | 5006.105   | 9999.69  | 13Dec2024, 22:00 | 11456.684 |
| Reach-406 | 3981.365   | 9928.60  | 13Dec2024, 22:00 | 11184.369 |
| Reach-407 | 3181.935   | 9993.50  | 13Dec2024, 21:00 | 10995.072 |
| Reach-408 | 2234.963   | 9931.66  | 13Dec2024, 20:00 | 10804.245 |
| Reach-409 | 1859.663   | 9986.70  | 13Dec2024, 20:00 | 10835.334 |
| Reach-410 | 1575.831   | 10048.21 | 13Dec2024, 19:00 | 10817.272 |
| Reach-411 | 600.100    | 10045.58 | 13Dec2024, 19:00 | 10764.762 |
| Reach-412 | 0.000      | 10047.47 | 13Dec2024, 19:00 | 10760.401 |
| Reach-437 | 110409.242 | 23015.89 | 13Dec2024, 16:00 | 23664.373 |
| Reach-438 | 109269.844 | 23048.25 | 13Dec2024, 16:00 | 23344.922 |
| Reach-440 | 108422.258 | 23006.47 | 13Dec2024, 16:00 | 23200.326 |
| Reach-442 | 57759.223  | 3588.51  | 14Dec2024, 00:00 | 5074.233  |
| Reach-443 | 55319.039  | 3336.15  | 13Dec2024, 22:00 | 4438.315  |
| Reach-444 | 54316.008  | 3233.17  | 13Dec2024, 22:00 | 4179.769  |
| Reach-445 | 54021.066  | 3253.36  | 13Dec2024, 22:00 | 4146.310  |
| Reach-446 | 15945.625  | 1525.59  | 13Dec2024, 17:00 | 2284.381  |
| Reach-447 | 15174.476  | 1377.41  | 13Dec2024, 17:00 | 2021.259  |
| Reach-448 | 12763.722  | 948.79   | 13Dec2024, 20:00 | 1319.315  |
| Reach-449 | 12582.627  | 928.73   | 13Dec2024, 19:00 | 1274.824  |
| Reach-450 | 8614.007   | 706.01   | 13Dec2024, 16:00 | 968.982   |
| Reach-452 | 7843.985   | 584.03   | 13Dec2024, 19:00 | 822.223   |
| Reach-454 | 16856.812  | 957.04   | 13Dec2024, 18:00 | 929.728   |
| Reach-455 | 15947.029  | 919.21   | 13Dec2024, 17:00 | 884.551   |
| Reach-493 | 829.950    | 304.64   | 13Dec2024, 14:00 | 222.924   |
| Reach-504 | 20431.564  | 1425.96  | 13Dec2024, 17:00 | 1384.031  |
| Reach-505 | 18780.562  | 1421.84  | 13Dec2024, 17:00 | 1348.316  |
| Reach-506 | 18358.361  | 1424.04  | 13Dec2024, 16:00 | 1346.184  |
| Reach-507 | 14824.134  | 919.99   | 13Dec2024, 16:00 | 825.309   |
| Reach-508 | 13602.891  | 888.33   | 13Dec2024, 16:00 | 780.534   |
| Reach-509 | 17746.141  | 1416.74  | 13Dec2024, 16:00 | 1336.292  |
| Reach-510 | 17250.918  | 1468.60  | 13Dec2024, 15:00 | 1326.703  |
| Reach-511 | 12667.849  | 858.54   | 13Dec2024, 16:00 | 724.717   |
| Reach-512 | 16974.883  | 1449.76  | 13Dec2024, 15:00 | 1303.081  |
| Reach-513 | 15630.942  | 1332.50  | 13Dec2024, 15:00 | 1173.385  |
| Reach-514 | 14071.872  | 1192.25  | 13Dec2024, 15:00 | 1025.939  |
| Reach-515 | 11103.148  | 888.90   | 13Dec2024, 15:00 | 712.261   |
| Reach-517 | 9307.166   | 1105.36  | 13Dec2024, 14:00 | 871.744   |
| Reach-524 | 2682.278   | 775.03   | 13Dec2024, 15:00 | 719.170   |
| Reach-527 | 2289.002   | 640.82   | 13Dec2024, 14:00 | 593.992   |
| Reach-528 | 1736.703   | 537.56   | 13Dec2024, 14:00 | 502.594   |
| Reach-536 | 2868.352   | 926.90   | 13Dec2024, 14:00 | 665.067   |
| Reach-537 | 8614.092   | 1039.97  | 13Dec2024, 14:00 | 780.374   |

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| Reach-538 | 1018.986 | 279.19  | 13Dec2024, 14:00 | 274.087 |
| Reach-539 | 756.523  | 200.20  | 13Dec2024, 14:00 | 189.653 |
| Reach-541 | 2662.449 | 106.57  | 13Dec2024, 15:00 | 106.638 |
| Reach-542 | 7581.074 | 788.48  | 13Dec2024, 14:00 | 590.943 |
| Reach-545 | 6777.732 | 1090.04 | 13Dec2024, 13:00 | 726.916 |
| Reach-548 | 2558.719 | 823.93  | 13Dec2024, 13:00 | 585.215 |
| Reach-549 | 2558.719 | 827.29  | 13Dec2024, 12:00 | 583.621 |
| Reach-554 | 2249.133 | 94.25   | 13Dec2024, 14:00 | 91.570  |
| Reach-556 | 2780.305 | 910.89  | 13Dec2024, 15:00 | 748.666 |
| Reach-558 | 1979.193 | 86.61   | 13Dec2024, 14:00 | 84.886  |
| Reach-560 | 517.349  | 161.54  | 13Dec2024, 12:00 | 113.758 |
| Reach-561 | 4748.209 | 711.59  | 13Dec2024, 13:00 | 494.113 |
| Reach-568 | 843.827  | 160.21  | 13Dec2024, 14:00 | 140.834 |
| Reach-569 | 1128.630 | 35.08   | 13Dec2024, 16:00 | 37.312  |
| Reach-572 | 840.660  | 327.31  | 13Dec2024, 13:00 | 236.732 |
| Reach-574 | 2428.119 | 82.09   | 13Dec2024, 14:00 | 83.286  |
| Reach-576 | 901.539  | 207.14  | 13Dec2024, 16:00 | 177.826 |
| Reach-579 | 5893.139 | 1098.72 | 13Dec2024, 13:00 | 722.396 |
| Reach-580 | 4156.419 | 710.55  | 13Dec2024, 13:00 | 485.928 |
| Reach-582 | 1256.160 | 46.81   | 13Dec2024, 16:00 | 44.440  |
| Reach-583 | 565.041  | 14.85   | 13Dec2024, 14:00 | 14.928  |
| Reach-584 | 1650.758 | 608.90  | 13Dec2024, 13:00 | 439.260 |
| Reach-586 | 959.075  | 59.22   | 13Dec2024, 13:00 | 49.279  |
| Reach-587 | 486.291  | 14.72   | 13Dec2024, 16:00 | 15.211  |
| Reach-589 | 1272.349 | 47.29   | 13Dec2024, 14:00 | 48.922  |
| Reach-593 | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000   |
| Reach-596 | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000   |
| Reach-598 | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000   |
| Reach-601 | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000   |
| Reach-607 | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000   |
| Reach-610 | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000   |
| Reach-611 | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000   |
| Reach-616 | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000   |
| Reach-631 | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000   |
| Reach-645 | 1947.071 | 682.53  | 13Dec2024, 13:00 | 560.089 |
| Reach-646 | 4060.523 | 105.84  | 13Dec2024, 14:00 | 117.420 |
| Reach-647 | 1431.164 | 485.39  | 13Dec2024, 13:00 | 395.916 |
| Reach-648 | 2867.941 | 128.44  | 13Dec2024, 20:00 | 154.541 |
| Reach-649 | 2307.329 | 97.79   | 13Dec2024, 18:00 | 116.874 |
| Reach-650 | 2298.011 | 773.13  | 13Dec2024, 14:00 | 659.300 |
| Reach-652 | 1807.760 | 578.22  | 13Dec2024, 13:00 | 508.929 |
| Reach-653 | 1819.193 | 67.79   | 13Dec2024, 19:00 | 80.069  |
| Reach-654 | 1032.248 | 355.46  | 13Dec2024, 13:00 | 280.592 |
| Reach-655 | 1620.760 | 505.74  | 13Dec2024, 14:00 | 458.137 |
| Reach-659 | 1320.805 | 331.57  | 13Dec2024, 13:00 | 273.843 |
| Reach-664 | 1512.926 | 13.37   | 13Dec2024, 14:00 | 9.550   |

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| Reach-665 | 1003.032  | 295.96 | 13Dec2024, 14:00 | 260.651 |
| Reach-670 | 705.021   | 88.57  | 13Dec2024, 13:00 | 90.824  |
| Reach-673 | 1660.842  | 32.16  | 13Dec2024, 21:00 | 40.947  |
| Reach-674 | 1155.752  | 21.24  | 13Dec2024, 11:00 | 18.295  |
| Reach-678 | 491.053   | 206.13 | 13Dec2024, 11:00 | 133.255 |
| Reach-682 | 1501.158  | 433.59 | 13Dec2024, 12:00 | 312.176 |
| Reach-683 | 648.619   | 33.01  | 13Dec2024, 15:00 | 34.709  |
| Reach-684 | 1492.400  | 24.56  | 13Dec2024, 21:00 | 29.889  |
| Reach-685 | 946.972   | 349.37 | 13Dec2024, 12:00 | 247.043 |
| Reach-686 | 934.444   | 3.89   | 14Dec2024, 01:00 | 2.796   |
| Reach-688 | 746.846   | 14.29  | 13Dec2024, 12:00 | 18.359  |
| Reach-691 | 991.548   | 158.69 | 13Dec2024, 13:00 | 116.686 |
| Reach-692 | 1143.280  | 328.91 | 13Dec2024, 12:00 | 241.281 |
| Reach-693 | 1289.945  | 13.64  | 13Dec2024, 22:00 | 11.959  |
| Reach-696 | 726.411   | 1.09   | 14Dec2024, 02:00 | 0.551   |
| Reach-697 | 500.860   | 177.49 | 13Dec2024, 12:00 | 132.026 |
| Reach-699 | 490.492   | 58.59  | 13Dec2024, 14:00 | 42.137  |
| Reach-708 | 389.488   | 0.54   | 14Dec2024, 01:00 | 0.235   |
| Reach-710 | 532.372   | 22.28  | 13Dec2024, 13:00 | 21.749  |
| Reach-711 | 513.723   | 115.30 | 13Dec2024, 12:00 | 76.589  |
| Reach-712 | 511.025   | 159.73 | 13Dec2024, 12:00 | 114.844 |
| Reach-713 | 521.248   | 2.99   | 14Dec2024, 00:00 | 2.089   |
| Reach-716 | 0.000     | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-717 | 17356.734 | 979.22 | 13Dec2024, 18:00 | 960.124 |
| Reach-718 | 0.000     | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-719 | 0.000     | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-721 | 0.000     | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-723 | 0.000     | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-725 | 0.000     | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-728 | 0.000     | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-730 | 0.000     | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-731 | 0.000     | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-732 | 0.000     | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-735 | 0.000     | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-736 | 0.000     | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-737 | 0.000     | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-738 | 0.000     | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-739 | 0.000     | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-740 | 0.000     | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-741 | 0.000     | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-746 | 186.999   | 80.70  | 13Dec2024, 12:00 | 55.437  |
| Reach-749 | 0.000     | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-750 | 0.000     | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-751 | 280.177   | 2.76   | 13Dec2024, 22:00 | 1.964   |
| Reach-753 | 0.000     | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-756 | 214.093   | 0.40   | 14Dec2024, 01:00 | 0.178   |

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| Reach-759 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-760 | 241.071 | 0.39   | 14Dec2024, 00:00 | 0.135   |
| Reach-764 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-771 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-773 | 175.395 | 0.16   | 14Dec2024, 01:00 | 0.056   |
| Reach-776 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-777 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-778 | 490.251 | 212.79 | 13Dec2024, 13:00 | 153.528 |
| Reach-781 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-782 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-783 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-784 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-785 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-786 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-789 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-790 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-791 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-792 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-793 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-794 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-797 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-798 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-800 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-801 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-802 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-803 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-804 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-808 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-810 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-814 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-819 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-820 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-822 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-824 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-828 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-829 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-830 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-831 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-833 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-836 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-837 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-839 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-841 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-843 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-844 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-848 | 0.000   | 0.00   | 13Dec2024, 00:00 | 0.000   |



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| Reach-850 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-851 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-852 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-853 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-854 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-855 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-858 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-859 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-861 | 168.443    | 12.28    | 13Dec2024, 13:00 | 11.198    |
| Reach-862 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-866 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-869 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-873 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-874 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-875 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-877 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-879 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-887 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-888 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-890 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-892 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-894 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-895 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-898 | 107073.922 | 22806.93 | 13Dec2024, 15:00 | 22793.038 |
| Reach-899 | 106762.109 | 23317.42 | 13Dec2024, 15:00 | 22736.058 |
| Reach-900 | 95984.328  | 19792.93 | 13Dec2024, 15:00 | 19520.097 |
| Reach-901 | 0.000      | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-902 | 93539.773  | 19332.89 | 13Dec2024, 14:00 | 18771.736 |
| Reach-903 | 93134.438  | 19269.37 | 13Dec2024, 14:00 | 18634.002 |
| Reach-904 | 90974.258  | 18905.60 | 13Dec2024, 14:00 | 18037.414 |
| Reach-905 | 90974.258  | 19074.37 | 13Dec2024, 14:00 | 18034.978 |
| Reach-906 | 44602.191  | 6276.85  | 13Dec2024, 15:00 | 6796.235  |
| Reach-907 | 43517.836  | 6101.82  | 13Dec2024, 14:00 | 6484.519  |
| Reach-908 | 42918.430  | 5992.74  | 13Dec2024, 14:00 | 6344.728  |
| Reach-909 | 42386.898  | 5927.64  | 13Dec2024, 13:00 | 6206.403  |
| Reach-910 | 40151.148  | 5283.76  | 13Dec2024, 13:00 | 5615.611  |
| Reach-911 | 38555.688  | 4828.79  | 13Dec2024, 13:00 | 5147.120  |
| Reach-912 | 38064.203  | 4755.32  | 13Dec2024, 13:00 | 5014.322  |
| Reach-913 | 37154.438  | 4620.02  | 13Dec2024, 12:00 | 4772.749  |
| Reach-914 | 51614.098  | 2992.66  | 13Dec2024, 22:00 | 3645.045  |
| Reach-915 | 50788.242  | 2976.11  | 13Dec2024, 21:00 | 3518.634  |
| Reach-916 | 47186.551  | 2645.54  | 13Dec2024, 20:00 | 2908.368  |
| Reach-917 | 46922.707  | 2635.81  | 13Dec2024, 20:00 | 2846.776  |
| Reach-918 | 46068.906  | 2579.89  | 13Dec2024, 20:00 | 2758.819  |
| Reach-919 | 46284.926  | 12819.56 | 13Dec2024, 14:00 | 11210.490 |
| Reach-920 | 24133.924  | 1182.68  | 13Dec2024, 20:00 | 1285.077  |

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| Reach-921 | 23960.109 | 1188.90 | 13Dec2024, 19:00 | 1268.532 |
| Reach-922 | 29344.678 | 6716.28 | 13Dec2024, 14:00 | 6287.446 |
| Reach-923 | 23627.516 | 1180.84 | 13Dec2024, 19:00 | 1256.919 |
| Reach-924 | 18288.926 | 975.42  | 13Dec2024, 19:00 | 1001.290 |
| Reach-925 | 28604.947 | 6474.79 | 13Dec2024, 14:00 | 6049.311 |
| Reach-926 | 17356.734 | 955.41  | 13Dec2024, 18:00 | 959.990  |
| Reach-927 | 1110.947  | 551.70  | 13Dec2024, 13:00 | 354.036  |
| Reach-928 | 667.249   | 337.08  | 13Dec2024, 12:00 | 200.265  |
| Reach-929 | 2051.103  | 521.03  | 13Dec2024, 15:00 | 438.209  |
| Reach-930 | 15292.947 | 1706.64 | 13Dec2024, 12:00 | 1726.562 |
| Reach-931 | 0.000     | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-932 | 1843.994  | 508.93  | 13Dec2024, 15:00 | 417.240  |
| Reach-933 | 16649.441 | 6268.11 | 13Dec2024, 13:00 | 4821.322 |
| Reach-934 | 16356.912 | 6312.34 | 13Dec2024, 13:00 | 4716.975 |
| Reach-935 | 11979.437 | 4722.05 | 13Dec2024, 13:00 | 3440.574 |
| Reach-936 | 11686.976 | 4670.59 | 13Dec2024, 13:00 | 3337.814 |
| Reach-937 | 8601.553  | 3492.44 | 13Dec2024, 13:00 | 2443.786 |
| Reach-938 | 4282.198  | 1687.04 | 13Dec2024, 13:00 | 1241.247 |
| Reach-939 | 5714.732  | 2410.21 | 13Dec2024, 13:00 | 1599.327 |
| Reach-940 | 3255.877  | 1259.08 | 13Dec2024, 12:00 | 899.634  |
| Reach-941 | 21016.576 | 1409.19 | 13Dec2024, 19:00 | 1390.246 |
| Reach-942 | 15112.123 | 940.23  | 13Dec2024, 17:00 | 860.832  |
| Reach-943 | 13978.534 | 1024.43 | 13Dec2024, 16:00 | 945.064  |
| Reach-944 | 12122.271 | 990.42  | 13Dec2024, 15:00 | 885.816  |
| Reach-945 | 11430.527 | 1004.24 | 13Dec2024, 14:00 | 879.742  |
| Reach-946 | 11177.889 | 1000.31 | 13Dec2024, 14:00 | 859.812  |
| Reach-947 | 10572.600 | 3785.03 | 13Dec2024, 14:00 | 3145.043 |
| Reach-948 | 10665.417 | 1003.93 | 13Dec2024, 14:00 | 842.139  |
| Reach-949 | 9610.228  | 913.72  | 13Dec2024, 13:00 | 751.517  |
| Reach-950 | 8069.514  | 3019.60 | 13Dec2024, 13:00 | 2410.486 |
| Reach-951 | 6739.326  | 2499.39 | 13Dec2024, 13:00 | 2002.460 |
| Reach-952 | 9132.876  | 906.99  | 13Dec2024, 13:00 | 730.310  |
| Reach-953 | 4319.132  | 542.15  | 13Dec2024, 12:00 | 403.675  |
| Reach-954 | 2385.953  | 289.54  | 13Dec2024, 13:00 | 210.655  |
| Reach-955 | 5892.333  | 2178.70 | 13Dec2024, 13:00 | 1709.540 |
| Reach-956 | 2932.997  | 1092.66 | 13Dec2024, 13:00 | 890.391  |
| Reach-957 | 4074.817  | 252.58  | 13Dec2024, 14:00 | 242.011  |
| Reach-958 | 1644.314  | 620.85  | 13Dec2024, 13:00 | 493.392  |
| Reach-959 | 1590.660  | 260.89  | 13Dec2024, 12:00 | 176.755  |
| Reach-960 | 2231.651  | 160.91  | 13Dec2024, 13:00 | 142.828  |
| Reach-961 | 856.294   | 321.38  | 13Dec2024, 13:00 | 253.859  |
| Reach-962 | 1090.637  | 416.02  | 13Dec2024, 13:00 | 319.659  |
| Reach-963 | 2285.834  | 875.86  | 13Dec2024, 13:00 | 655.147  |
| Reach-964 | 1047.568  | 260.18  | 13Dec2024, 11:00 | 161.537  |
| Reach-965 | 1198.843  | 278.06  | 13Dec2024, 11:00 | 160.393  |
| Reach-966 | 1486.979  | 283.15  | 13Dec2024, 12:00 | 160.798  |

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| Reach-967  | 1623.434 | 101.91  | 13Dec2024, 13:00 | 92.265  |
| Reach-968  | 2989.010 | 1256.09 | 13Dec2024, 12:00 | 861.861 |
| Reach-969  | 1269.278 | 58.73   | 13Dec2024, 14:00 | 56.626  |
| Reach-970  | 571.315  | 77.36   | 13Dec2024, 11:00 | 53.827  |
| Reach-971  | 870.640  | 369.59  | 13Dec2024, 12:00 | 237.809 |
| Reach-972  | 2653.455 | 988.32  | 13Dec2024, 13:00 | 722.285 |
| Reach-973  | 2681.306 | 1121.45 | 13Dec2024, 12:00 | 764.010 |
| Reach-974  | 988.067  | 40.97   | 13Dec2024, 13:00 | 39.292  |
| Reach-975  | 869.271  | 52.68   | 13Dec2024, 13:00 | 48.102  |
| Reach-976  | 672.239  | 347.52  | 13Dec2024, 12:00 | 217.789 |
| Reach-977  | 831.386  | 59.48   | 13Dec2024, 12:00 | 50.989  |
| Reach-979  | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000   |
| Reach-980  | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000   |
| Reach-981  | 1019.353 | 433.48  | 13Dec2024, 13:00 | 282.642 |
| Reach-982  | 1636.117 | 677.68  | 13Dec2024, 12:00 | 433.249 |
| Reach-983  | 1018.490 | 430.69  | 13Dec2024, 12:00 | 259.513 |
| Reach-984  | 437.113  | 185.67  | 13Dec2024, 12:00 | 116.108 |
| Reach-985  | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000   |
| Reach-986  | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000   |
| Reach-987  | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000   |
| Reach-988  | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000   |
| Reach-989  | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000   |
| Reach-990  | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000   |
| Reach-991  | 633.099  | 39.98   | 13Dec2024, 12:00 | 34.959  |
| Reach-992  | 382.764  | 161.12  | 13Dec2024, 12:00 | 100.647 |
| Reach-993  | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000   |
| Reach-994  | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000   |
| Reach-995  | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000   |
| Reach-996  | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000   |
| Reach-997  | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000   |
| Reach-998  | 352.638  | 33.17   | 13Dec2024, 13:00 | 25.739  |
| Reach-999  | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000   |
| Reach-1000 | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000   |
| Reach-1001 | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000   |
| Reach-1002 | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000   |
| Reach-1003 | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000   |
| Reach-1004 | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000   |
| Reach-1005 | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000   |
| Reach-1006 | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000   |
| Reach-1007 | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000   |
| Reach-1008 | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000   |
| Reach-1009 | 446.068  | 75.68   | 13Dec2024, 13:00 | 54.933  |
| Reach-1010 | 332.593  | 10.44   | 13Dec2024, 17:00 | 11.397  |
| Reach-1011 | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000   |
| Reach-1013 | 4994.018 | 1092.96 | 13Dec2024, 12:00 | 692.371 |
| Reach-1014 | 4686.258 | 402.16  | 13Dec2024, 13:00 | 323.386 |

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| Reach-1015 | 4475.333  | 201.85   | 13Dec2024, 16:00 | 221.893   |
| Reach-1016 | 4292.052  | 408.91   | 13Dec2024, 13:00 | 316.258   |
| Reach-1017 | 0.000     | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-1018 | 2311.449  | 784.55   | 13Dec2024, 14:00 | 684.604   |
| Reach-1019 | 4073.836  | 189.93   | 13Dec2024, 14:00 | 205.891   |
| Reach-1020 | 4064.110  | 395.01   | 13Dec2024, 13:00 | 301.965   |
| Reach-1021 | 3069.213  | 486.01   | 13Dec2024, 15:00 | 474.524   |
| Reach-1022 | 3908.241  | 175.24   | 13Dec2024, 14:00 | 189.645   |
| Reach-1023 | 2832.369  | 427.56   | 13Dec2024, 14:00 | 398.520   |
| Reach-1024 | 1784.385  | 664.90   | 13Dec2024, 14:00 | 522.875   |
| Reach-1025 | 3284.888  | 132.87   | 13Dec2024, 14:00 | 146.705   |
| Reach-1026 | 2657.446  | 383.56   | 13Dec2024, 12:00 | 250.443   |
| Reach-1027 | 1521.755  | 605.37   | 13Dec2024, 14:00 | 452.725   |
| Reach-1028 | 2161.726  | 382.94   | 13Dec2024, 12:00 | 244.089   |
| Reach-1029 | 2361.076  | 75.39    | 13Dec2024, 13:00 | 90.272    |
| Reach-1030 | 2101.021  | 48.99    | 13Dec2024, 16:00 | 57.168    |
| Reach-1031 | 1898.208  | 384.52   | 13Dec2024, 12:00 | 243.063   |
| Reach-1032 | 4994.018  | 1093.42  | 13Dec2024, 12:00 | 692.125   |
| Reach-1033 | 1834.902  | 596.32   | 13Dec2024, 14:00 | 481.284   |
| Reach-1034 | 1780.275  | 393.67   | 13Dec2024, 11:00 | 236.852   |
| Reach-1035 | 1271.113  | 332.41   | 13Dec2024, 12:00 | 191.844   |
| Reach-1036 | 1918.985  | 600.76   | 13Dec2024, 14:00 | 516.256   |
| Reach-1037 | 3956.693  | 927.40   | 13Dec2024, 11:00 | 556.638   |
| Reach-1039 | 1517.960  | 504.72   | 13Dec2024, 13:00 | 392.391   |
| Reach-1040 | 1892.937  | 315.99   | 13Dec2024, 14:00 | 276.611   |
| Reach-1042 | 3504.966  | 776.92   | 13Dec2024, 11:00 | 469.213   |
| Reach-1044 | 992.590   | 465.40   | 13Dec2024, 13:00 | 305.955   |
| Reach-1045 | 850.990   | 21.30    | 13Dec2024, 20:00 | 22.781    |
| Reach-1046 | 838.941   | 48.97    | 13Dec2024, 13:00 | 43.198    |
| Reach-1047 | 1367.885  | 328.81   | 13Dec2024, 12:00 | 194.555   |
| Reach-1049 | 94288.438 | 19295.09 | 13Dec2024, 14:00 | 19011.749 |
| Reach-1052 | 1116.741  | 13.46    | 13Dec2024, 23:00 | 12.881    |
| Reach-1053 | 825.853   | 169.43   | 13Dec2024, 13:00 | 135.866   |
| Reach-1055 | 1041.931  | 371.96   | 13Dec2024, 12:00 | 275.216   |
| Reach-1056 | 1022.520  | 389.85   | 13Dec2024, 11:00 | 192.020   |
| Reach-1057 | 617.016   | 17.42    | 13Dec2024, 15:00 | 19.307    |
| Reach-1058 | 1523.987  | 195.96   | 13Dec2024, 11:00 | 142.558   |
| Reach-1059 | 806.528   | 255.12   | 13Dec2024, 14:00 | 205.340   |
| Reach-1060 | 726.817   | 274.23   | 13Dec2024, 13:00 | 188.855   |
| Reach-1061 | 722.837   | 317.00   | 13Dec2024, 10:00 | 145.449   |
| Reach-1062 | 921.585   | 25.80    | 13Dec2024, 19:00 | 28.379    |
| Reach-1063 | 0.000     | 0.00     | 13Dec2024, 00:00 | 0.000     |
| Reach-1064 | 1190.122  | 378.34   | 13Dec2024, 11:00 | 202.658   |
| Reach-1067 | 488.171   | 10.34    | 13Dec2024, 19:00 | 10.903    |
| Reach-1068 | 574.020   | 102.55   | 13Dec2024, 11:00 | 64.854    |
| Reach-1071 | 585.785   | 19.39    | 13Dec2024, 17:00 | 21.028    |

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| Reach-1072 | 636.163  | 46.08  | 13Dec2024, 12:00 | 37.030  |
| Reach-1073 | 716.059  | 151.72 | 13Dec2024, 11:00 | 89.384  |
| Reach-1074 | 698.588  | 35.93  | 13Dec2024, 13:00 | 33.343  |
| Reach-1075 | 556.900  | 202.58 | 13Dec2024, 10:00 | 98.011  |
| Reach-1076 | 531.847  | 285.98 | 13Dec2024, 12:00 | 183.480 |
| Reach-1079 | 595.261  | 60.14  | 13Dec2024, 11:00 | 45.017  |
| Reach-1080 | 472.428  | 254.75 | 13Dec2024, 12:00 | 145.610 |
| Reach-1083 | 364.631  | 22.32  | 13Dec2024, 12:00 | 20.608  |
| Reach-1085 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1086 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1087 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1088 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1089 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1090 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1091 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1092 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1093 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1094 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1095 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1096 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1097 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1098 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1099 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1100 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1101 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1102 | 1017.176 | 304.94 | 13Dec2024, 12:00 | 170.753 |
| Reach-1103 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1104 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1105 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1106 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1107 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1108 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1109 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1110 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1111 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1112 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1113 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1114 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1115 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1116 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1117 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1118 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1119 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1120 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1121 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1122 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |

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| Reach-1123 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1124 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1125 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1126 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1129 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1130 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1131 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1132 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1133 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1134 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1136 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1138 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1140 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1141 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1142 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1143 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1144 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1146 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1147 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1149 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1150 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1151 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1152 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1156 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1157 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1158 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1159 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1162 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1163 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1164 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1165 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1166 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1167 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1169 | 253.937 | 33.61 | 13Dec2024, 12:00 | 20.584 |
| Reach-1170 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1171 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1172 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1173 | 191.638 | 92.29 | 13Dec2024, 12:00 | 58.383 |
| Reach-1174 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1175 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1176 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1177 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1178 | 560.074 | 9.72  | 13Dec2024, 21:00 | 8.738  |
| Reach-1179 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1181 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1182 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |

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| Reach-1183 | 0.000     | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1184 | 0.000     | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1186 | 0.000     | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1188 | 0.000     | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1190 | 202.778   | 5.99    | 13Dec2024, 14:00 | 6.231    |
| Reach-1191 | 0.000     | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1195 | 0.000     | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1197 | 0.000     | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1198 | 0.000     | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1199 | 0.000     | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1201 | 0.000     | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1202 | 0.000     | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1204 | 0.000     | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1205 | 0.000     | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1206 | 195.015   | 13.91   | 13Dec2024, 12:00 | 10.452   |
| Reach-1207 | 0.000     | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1208 | 165.595   | 21.14   | 13Dec2024, 12:00 | 16.016   |
| Reach-1209 | 0.000     | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1210 | 166.496   | 12.56   | 13Dec2024, 12:00 | 9.052    |
| Reach-1213 | 0.000     | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1214 | 187.034   | 22.33   | 13Dec2024, 12:00 | 17.191   |
| Reach-1215 | 0.000     | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1216 | 0.000     | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1217 | 5167.164  | 1092.04 | 13Dec2024, 12:00 | 692.938  |
| Reach-1218 | 0.000     | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1219 | 177.597   | 3.56    | 13Dec2024, 19:00 | 3.374    |
| Reach-1223 | 0.000     | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1224 | 201.424   | 24.36   | 13Dec2024, 14:00 | 21.500   |
| Reach-1227 | 0.000     | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1228 | 33429.809 | 3185.02 | 13Dec2024, 12:00 | 3726.090 |
| Reach-1229 | 32979.570 | 3003.50 | 13Dec2024, 12:00 | 3610.143 |
| Reach-1230 | 30195.191 | 2457.61 | 13Dec2024, 16:00 | 2918.986 |
| Reach-1231 | 25356.254 | 5608.63 | 13Dec2024, 13:00 | 5148.058 |
| Reach-1232 | 25089.834 | 5711.71 | 13Dec2024, 13:00 | 5080.800 |
| Reach-1233 | 24571.469 | 5607.07 | 13Dec2024, 13:00 | 4945.855 |
| Reach-1234 | 11250.188 | 1073.79 | 13Dec2024, 14:00 | 1117.503 |
| Reach-1235 | 8799.342  | 629.88  | 13Dec2024, 14:00 | 702.647  |
| Reach-1236 | 3557.316  | 336.80  | 13Dec2024, 11:00 | 325.913  |
| Reach-1237 | 809.502   | 268.96  | 13Dec2024, 11:00 | 159.778  |
| Reach-1238 | 1677.969  | 292.79  | 13Dec2024, 14:00 | 207.912  |
| Reach-1239 | 4947.251  | 296.72  | 13Dec2024, 15:00 | 289.773  |
| Reach-1240 | 408.538   | 55.71   | 13Dec2024, 12:00 | 40.441   |
| Reach-1241 | 5203.278  | 2384.89 | 13Dec2024, 12:00 | 1470.749 |
| Reach-1242 | 2571.718  | 918.77  | 13Dec2024, 12:00 | 671.932  |
| Reach-1243 | 1799.512  | 704.41  | 13Dec2024, 12:00 | 475.473  |
| Reach-1244 | 869.331   | 297.33  | 13Dec2024, 12:00 | 219.682  |

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| Reach-1245 | 1546.898 | 608.18  | 13Dec2024, 12:00 | 405.894  |
| Reach-1246 | 1540.540 | 600.66  | 13Dec2024, 12:00 | 400.405  |
| Reach-1247 | 1317.107 | 542.64  | 13Dec2024, 11:00 | 341.557  |
| Reach-1248 | 4215.861 | 2060.47 | 13Dec2024, 12:00 | 1188.969 |
| Reach-1249 | 1425.610 | 736.20  | 13Dec2024, 10:00 | 400.098  |
| Reach-1250 | 3834.418 | 615.03  | 13Dec2024, 12:00 | 424.533  |
| Reach-1251 | 3614.258 | 634.76  | 13Dec2024, 12:00 | 402.984  |
| Reach-1252 | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1254 | 647.134  | 299.23  | 13Dec2024, 12:00 | 173.423  |
| Reach-1256 | 2421.506 | 1272.50 | 13Dec2024, 11:00 | 705.204  |
| Reach-1257 | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1258 | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1259 | 739.716  | 276.67  | 13Dec2024, 11:00 | 136.269  |
| Reach-1260 | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1261 | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1262 | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1263 | 0.000    | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1264 | 2655.630 | 147.32  | 13Dec2024, 14:00 | 136.067  |
| Reach-1265 | 2784.377 | 1290.03 | 13Dec2024, 11:00 | 714.759  |
| Reach-1266 | 4022.568 | 879.07  | 13Dec2024, 11:00 | 602.744  |
| Reach-1267 | 3194.043 | 1336.96 | 13Dec2024, 12:00 | 889.245  |
| Reach-1268 | 1830.456 | 76.52   | 13Dec2024, 14:00 | 73.962   |
| Reach-1269 | 1554.663 | 726.50  | 13Dec2024, 11:00 | 394.639  |
| Reach-1270 | 1868.612 | 557.95  | 13Dec2024, 11:00 | 317.062  |
| Reach-1271 | 834.951  | 388.74  | 13Dec2024, 11:00 | 209.303  |
| Reach-1272 | 1715.019 | 203.25  | 13Dec2024, 12:00 | 148.267  |
| Reach-1273 | 1724.122 | 722.43  | 13Dec2024, 11:00 | 483.701  |
| Reach-1274 | 791.220  | 68.08   | 13Dec2024, 13:00 | 55.408   |
| Reach-1275 | 791.220  | 74.08   | 13Dec2024, 13:00 | 55.281   |
| Reach-1276 | 1075.635 | 547.01  | 13Dec2024, 11:00 | 298.351  |
| Reach-1277 | 1167.171 | 474.49  | 13Dec2024, 12:00 | 298.218  |
| Reach-1278 | 893.406  | 329.14  | 13Dec2024, 11:00 | 232.264  |
| Reach-1279 | 734.251  | 337.76  | 13Dec2024, 11:00 | 186.479  |
| Reach-1280 | 2423.400 | 368.87  | 13Dec2024, 12:00 | 244.099  |
| Reach-1281 | 682.431  | 199.70  | 13Dec2024, 11:00 | 185.021  |
| Reach-1282 | 1014.036 | 158.78  | 13Dec2024, 11:00 | 97.538   |
| Reach-1283 | 679.894  | 371.96  | 13Dec2024, 11:00 | 170.651  |
| Reach-1285 | 764.157  | 396.71  | 13Dec2024, 11:00 | 215.095  |
| Reach-1286 | 754.887  | 52.69   | 13Dec2024, 13:00 | 43.895   |
| Reach-1287 | 703.156  | 17.53   | 13Dec2024, 18:00 | 21.128   |
| Reach-1288 | 558.159  | 66.99   | 13Dec2024, 13:00 | 46.808   |
| Reach-1289 | 711.006  | 36.43   | 13Dec2024, 12:00 | 36.266   |
| Reach-1290 | 446.428  | 27.77   | 13Dec2024, 12:00 | 25.248   |
| Reach-1291 | 1872.738 | 319.51  | 13Dec2024, 11:00 | 201.428  |
| Reach-1292 | 666.708  | 147.19  | 13Dec2024, 11:00 | 88.148   |
| Reach-1293 | 392.427  | 168.72  | 13Dec2024, 11:00 | 98.621   |

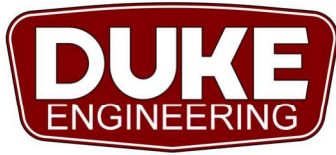


|            |         |       |                  |        |
|------------|---------|-------|------------------|--------|
| Reach-1294 | 451.143 | 23.93 | 13Dec2024, 12:00 | 22.169 |
| Reach-1296 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1297 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1298 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1299 | 164.463 | 29.31 | 13Dec2024, 11:00 | 18.372 |
| Reach-1301 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1302 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1304 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1305 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1306 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1307 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1308 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1309 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1310 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1311 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1312 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1313 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1314 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1315 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1316 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1318 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1319 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1320 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1322 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1324 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1326 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1327 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1328 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1329 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1330 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1331 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1332 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1334 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1335 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1336 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1337 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1338 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1339 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1340 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1341 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1342 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1343 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1344 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1345 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1346 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |
| Reach-1347 | 0.000   | 0.00  | 13Dec2024, 00:00 | 0.000  |

|            |           |         |                  |          |
|------------|-----------|---------|------------------|----------|
| Reach-1348 | 0.000     | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1349 | 0.000     | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1350 | 216.806   | 14.81   | 13Dec2024, 12:00 | 13.334   |
| Reach-1351 | 0.000     | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1352 | 0.000     | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1353 | 231.137   | 107.04  | 13Dec2024, 11:00 | 58.523   |
| Reach-1354 | 0.000     | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1355 | 0.000     | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1356 | 264.578   | 10.26   | 13Dec2024, 13:00 | 11.013   |
| Reach-1357 | 0.000     | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1358 | 161.290   | 77.32   | 13Dec2024, 11:00 | 41.689   |
| Reach-1359 | 229.622   | 13.01   | 13Dec2024, 12:00 | 12.081   |
| Reach-1360 | 233.061   | 8.33    | 13Dec2024, 14:00 | 8.459    |
| Reach-1361 | 5.674     | 1.77    | 13Dec2024, 11:00 | 0.936    |
| Reach-1362 | 0.000     | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1363 | 0.000     | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1364 | 0.000     | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1365 | 24045.480 | 5586.41 | 13Dec2024, 12:00 | 4811.881 |
| Reach-1366 | 23166.016 | 5351.81 | 13Dec2024, 12:00 | 4547.170 |
| Reach-1367 | 22410.775 | 5048.80 | 13Dec2024, 11:00 | 4330.074 |
| Reach-1368 | 22074.107 | 5244.64 | 13Dec2024, 11:00 | 4230.676 |
| Reach-1369 | 18210.713 | 3404.40 | 13Dec2024, 12:00 | 3162.013 |
| Reach-1370 | 17518.094 | 3149.92 | 13Dec2024, 11:00 | 2940.357 |
| Reach-1371 | 16900.543 | 2915.58 | 13Dec2024, 11:00 | 2745.010 |
| Reach-1372 | 16374.600 | 2815.47 | 13Dec2024, 11:00 | 2585.210 |
| Reach-1373 | 16213.471 | 2808.29 | 13Dec2024, 11:00 | 2554.581 |
| Reach-1374 | 15874.984 | 2646.83 | 13Dec2024, 11:00 | 2455.812 |
| Reach-1375 | 15274.205 | 2402.93 | 13Dec2024, 11:00 | 2276.064 |
| Reach-1376 | 13768.451 | 1766.18 | 13Dec2024, 13:00 | 1851.256 |
| Reach-1377 | 13457.261 | 1720.41 | 13Dec2024, 13:00 | 1767.329 |
| Reach-1378 | 12586.199 | 1563.33 | 13Dec2024, 13:00 | 1534.955 |
| Reach-1379 | 12145.241 | 1498.58 | 13Dec2024, 13:00 | 1418.901 |
| Reach-1380 | 9502.162  | 1171.24 | 13Dec2024, 14:00 | 1117.917 |
| Reach-1381 | 8699.251  | 1048.91 | 13Dec2024, 14:00 | 899.681  |
| Reach-1382 | 8699.251  | 1073.73 | 13Dec2024, 13:00 | 900.701  |
| Reach-1383 | 7303.118  | 958.79  | 13Dec2024, 13:00 | 780.968  |
| Reach-1384 | 7088.109  | 972.89  | 13Dec2024, 13:00 | 769.122  |
| Reach-1385 | 4789.886  | 623.69  | 13Dec2024, 13:00 | 473.386  |
| Reach-1386 | 4443.365  | 628.26  | 13Dec2024, 13:00 | 460.363  |
| Reach-1387 | 0.000     | 0.00    | 13Dec2024, 00:00 | 0.000    |
| Reach-1389 | 3204.623  | 1714.12 | 13Dec2024, 11:00 | 888.329  |
| Reach-1391 | 1939.257  | 1101.19 | 13Dec2024, 11:00 | 573.205  |
| Reach-1392 | 1749.903  | 390.64  | 13Dec2024, 12:00 | 237.039  |
| Reach-1394 | 2017.977  | 1071.60 | 13Dec2024, 11:00 | 583.689  |
| Reach-1395 | 2643.079  | 403.22  | 13Dec2024, 12:00 | 312.210  |
| Reach-1397 | 1099.655  | 574.10  | 13Dec2024, 11:00 | 307.330  |

|            |          |        |                  |         |
|------------|----------|--------|------------------|---------|
| Reach-1398 | 1502.166 | 793.14 | 13Dec2024, 11:00 | 427.493 |
| Reach-1400 | 1502.166 | 801.06 | 13Dec2024, 11:00 | 437.050 |
| Reach-1402 | 916.486  | 496.53 | 13Dec2024, 11:00 | 268.394 |
| Reach-1403 | 1265.366 | 706.02 | 13Dec2024, 10:00 | 338.322 |
| Reach-1404 | 1125.960 | 339.77 | 13Dec2024, 11:00 | 175.162 |
| Reach-1405 | 1738.785 | 242.48 | 13Dec2024, 12:00 | 168.955 |
| Reach-1406 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1412 | 696.606  | 381.33 | 13Dec2024, 11:00 | 190.804 |
| Reach-1413 | 634.640  | 323.23 | 13Dec2024, 11:00 | 170.340 |
| Reach-1415 | 446.602  | 263.53 | 13Dec2024, 10:00 | 112.857 |
| Reach-1417 | 924.441  | 181.59 | 13Dec2024, 11:00 | 109.719 |
| Reach-1419 | 383.357  | 257.25 | 13Dec2024, 10:00 | 117.155 |
| Reach-1420 | 601.086  | 73.07  | 13Dec2024, 11:00 | 50.324  |
| Reach-1423 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1425 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1428 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1429 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1434 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1438 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1439 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1440 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1441 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1442 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1443 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1444 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1445 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1446 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1447 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1450 | 213.258  | 10.19  | 13Dec2024, 13:00 | 9.547   |
| Reach-1451 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1452 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1453 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1457 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1458 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1462 | 161.129  | 109.05 | 13Dec2024, 10:00 | 48.349  |
| Reach-1463 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1464 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1465 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1466 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1467 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1469 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1470 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1471 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1472 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1473 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |
| Reach-1474 | 0.000    | 0.00   | 13Dec2024, 00:00 | 0.000   |

|            |       |      |                  |       |
|------------|-------|------|------------------|-------|
| Reach-1476 | 0.000 | 0.00 | 13Dec2024, 00:00 | 0.000 |
| Reach-1477 | 0.000 | 0.00 | 13Dec2024, 00:00 | 0.000 |
| Reach-1478 | 0.000 | 0.00 | 13Dec2024, 00:00 | 0.000 |
| Reach-1479 | 0.000 | 0.00 | 13Dec2024, 00:00 | 0.000 |
| Reach-1480 | 0.000 | 0.00 | 13Dec2024, 00:00 | 0.000 |
| Reach-1481 | 0.000 | 0.00 | 13Dec2024, 00:00 | 0.000 |
| Reach-1482 | 0.000 | 0.00 | 13Dec2024, 00:00 | 0.000 |
| Reach-1483 | 0.000 | 0.00 | 13Dec2024, 00:00 | 0.000 |
| Reach-1484 | 0.000 | 0.00 | 13Dec2024, 00:00 | 0.000 |



## **Appendix XX: Predeveloped Depth Maps**



**SPECIFIC PLAN AREA**

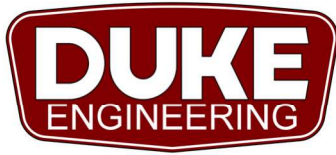
**SPECIFIC PLAN AREA**

**SPECIFIC PLAN AREA**

**SPECIFIC PLAN AREA**

Flood Depth (ft)





## **Appendix XXI: Predeveloped Velocity Maps**



**SPECIFIC PLAN AREA**

**SPECIFIC PLAN AREA**

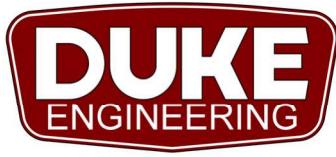
**SPECIFIC PLAN AREA**

**SPECIFIC PLAN AREA**

Velocity (ft/s)



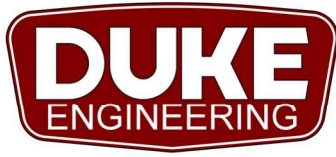




## **Appendix XXII: Not Used**



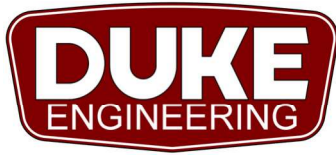
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## **Appendix XXIII: Not Used**



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## **Appendix XXIV: Not Used**



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## **Appendix XXV: LA County Flood Insurance Study**



## NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small scale. The community map repository should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

**Coastal Base Flood Elevations** shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The projection used in the preparation of this map was Universal Transverse Mercator (UTM) zone 11. The horizontal datum was NAD83, GRS1980 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://www.ngs.noaa.gov/> or contact the National Geodetic Survey at the following address:

NGS Information Services  
NOAA/NNGS12  
National Geodetic Survey  
SSM-C-3, #202  
1515 East-West Highway  
Silver Spring, MD 20910-3282

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3342, or visit its website at <http://www.ngs.noaa.gov/>.

**Base map** information shown on this FIRM was derived from U.S. Geological Survey Digital Orthophoto Quadrangles produced at a scale of 1:12,000 from photography dated 1994 or later and from National Geospatial Intelligence Agency imagery produced at a scale of 1:4,000 from photography dated 2003 or later.

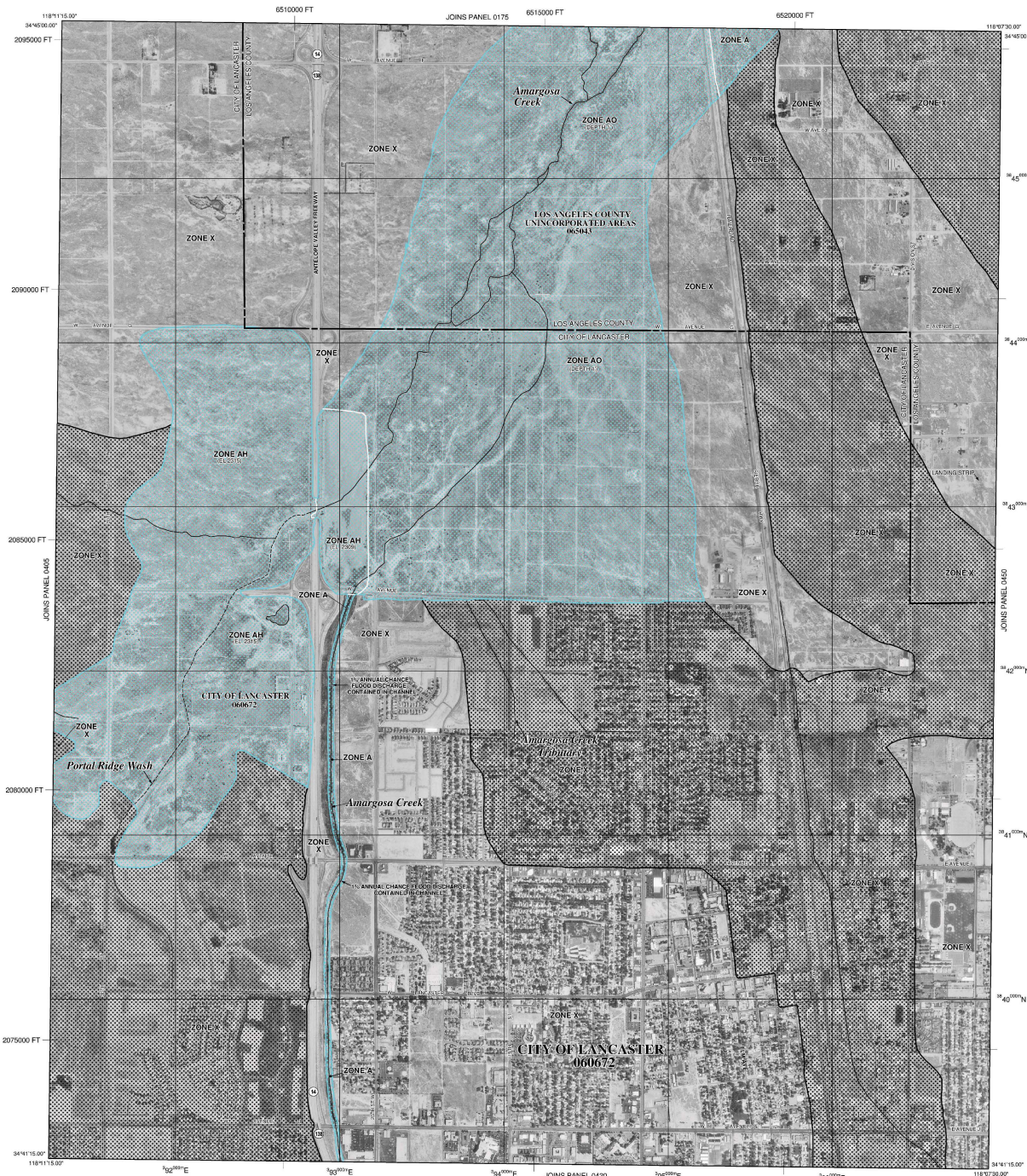
This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study report (which contain authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

**Corporate limits** shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels, community map repository addresses, and a Listing of Communities table containing National Flood Insurance Program data for each community, as well as a listing of the panels on which each community is located.

Contact the **FEMA Map Service Center** at 1-800-368-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-368-9600 and its website at <http://www.msc.fema.gov/>.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call 1-877-FEMA MAP (1-877-336-2527) or visit the FEMA website at <http://www.fema.gov/>.



## LEGEND

**SPECIAL FLOOD HAZARD AREAS (SFHA) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD**  
The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood zone of Special Flood Hazard include Zones A, AE, AH, AD, AO, AR, V and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

**ZONE A** No Base Flood Elevations determined.  
**ZONE AE** Base Flood Elevations determined.  
**ZONE AH** Flood depths 1.0 to 3 feet (mostly areas of ponding); Base Flood Elevations determined.  
**ZONE AD** Flood depths of 1 to 3 feet (mostly short flow on sloping terrain); average depths are determined. For areas of short flow, flood velocities also determined.  
**ZONE AR** Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently determined to be inadequate. Zone AR indicates that the former flood control system is being retained to provide protection from the 1% annual chance or greater flood.  
**ZONE AR9** Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.  
**ZONE V** Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.  
**ZONE VE** Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

**FLOODWAY AREAS IN ZONE AE**  
The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

**OTHER FLOOD AREAS**  
**ZONE X** Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot; areas of short flow areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

**OTHER AREAS**  
**ZONE X** Areas determined to be outside the 0.2% annual chance floodplains.  
**ZONE D** Areas in which flood hazards are undetermined, but possible.

**COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS**

**OTHERWISE PROTECTED AREAS (OPAs)**

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary  
0.2% annual chance floodplain boundary  
Floodway boundary  
Zone D boundary  
CBRS and OPA boundary  
Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.  
Base Flood Elevation line and value; elevation in feet\*  
Base Flood Elevation value where uniform within zone; elevation in feet\*

\* Referenced to the North American Vertical Datum of 1988 (NAVD 88)

Cross section line

Transsect line

Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)

1000-meter Universal Transverse Mercator grid values, zone 11

3000-foot grid scale: California State Plane coordinate system, V zone (FIPS/CNCR 0405), Lambert Conformal Conic

DX5010

Bench mark (see explanation in Notes to Users section of this FIRM panel)

River Mile

MAP REPOSITORIES

Refer to Map Repositories list on Map Index

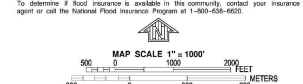
EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP

September 26, 2008

EFFECTIVE DATES OF REVISIONS TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map Repository table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-658-6622.



NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0410F

**FIRM**

**FLOOD INSURANCE RATE MAP**

**LOS ANGELES COUNTY, CALIFORNIA AND INCORPORATED AREAS**

PANEL 410 OF 2350  
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

| COMMUNITY          | NUMBER | PANEL | SUFFIX |
|--------------------|--------|-------|--------|
| LOS ANGELES COUNTY | 060643 | 0410  | F      |
| LANCASTER CITY OF  | 060672 | 0410  | F      |

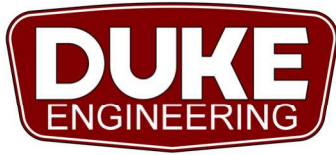
Notice to User: The Map Number shown below should be used when placing map orders. The Community Number shown above should be used on insurance applications for the subject community.

**MAP NUMBER**  
06037C0410F

**EFFECTIVE DATE**  
SEPTEMBER 26, 2008

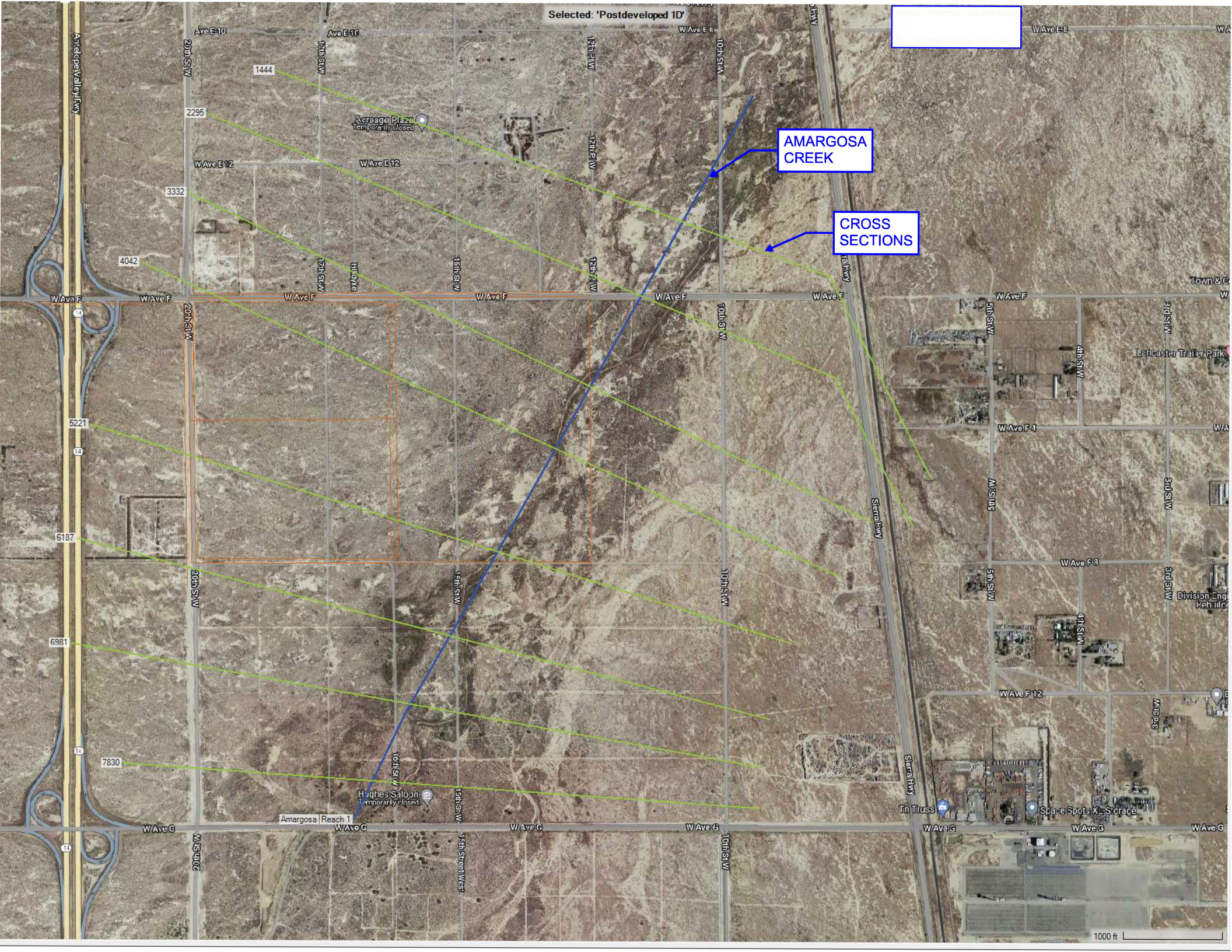
Federal Emergency Management Agency





## **Appendix XXVI: HEC-RAS One-Dimensional Flow Geometry**





Selected: 'Postdeveloped 1D'

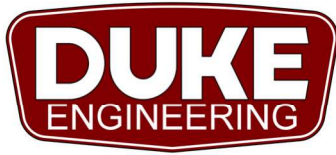
AMARGOSA  
CREEK

CROSS  
SECTIONS

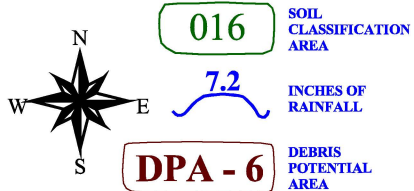
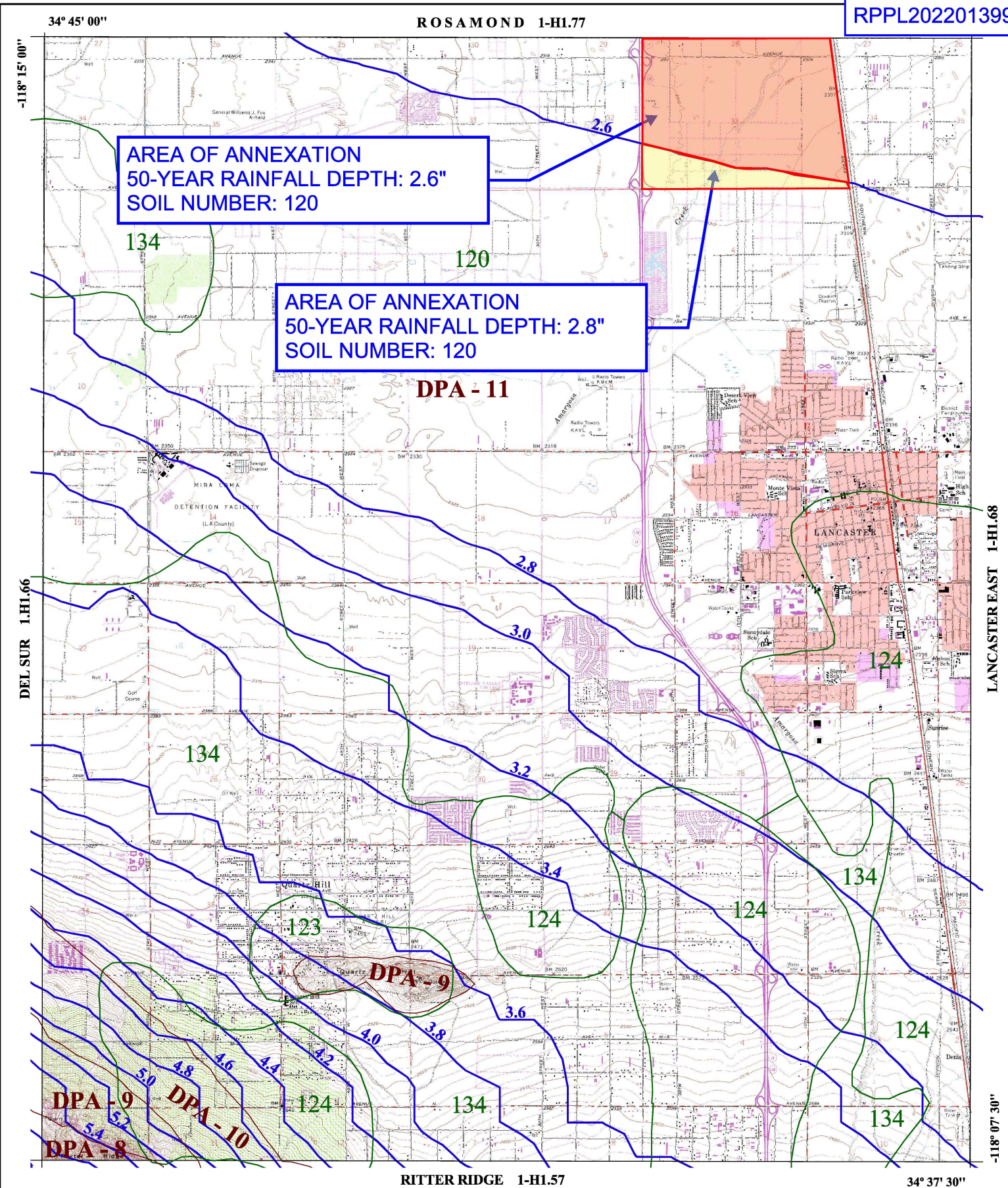
1000 ft







## **Appendix XXVII: Isohyet Map**



**LANCASTER WEST**  
**50-YEAR 24-HOUR ISOHYET**

**1-H1.67**





34° 52' 30"

SOLEDAD MOUNTAIN

-118° 15' 00"

LITTLE BUTTES 1-H1.76

ROSAMOND LAKE 1-H1.78

-118° 07' 30"

LANCASTER WEST 1-H1.67

34° 45' 00"



016

SOIL  
CLASSIFICATION  
AREA

7.2

INCHES OF  
RAINFALL

DPA - 6

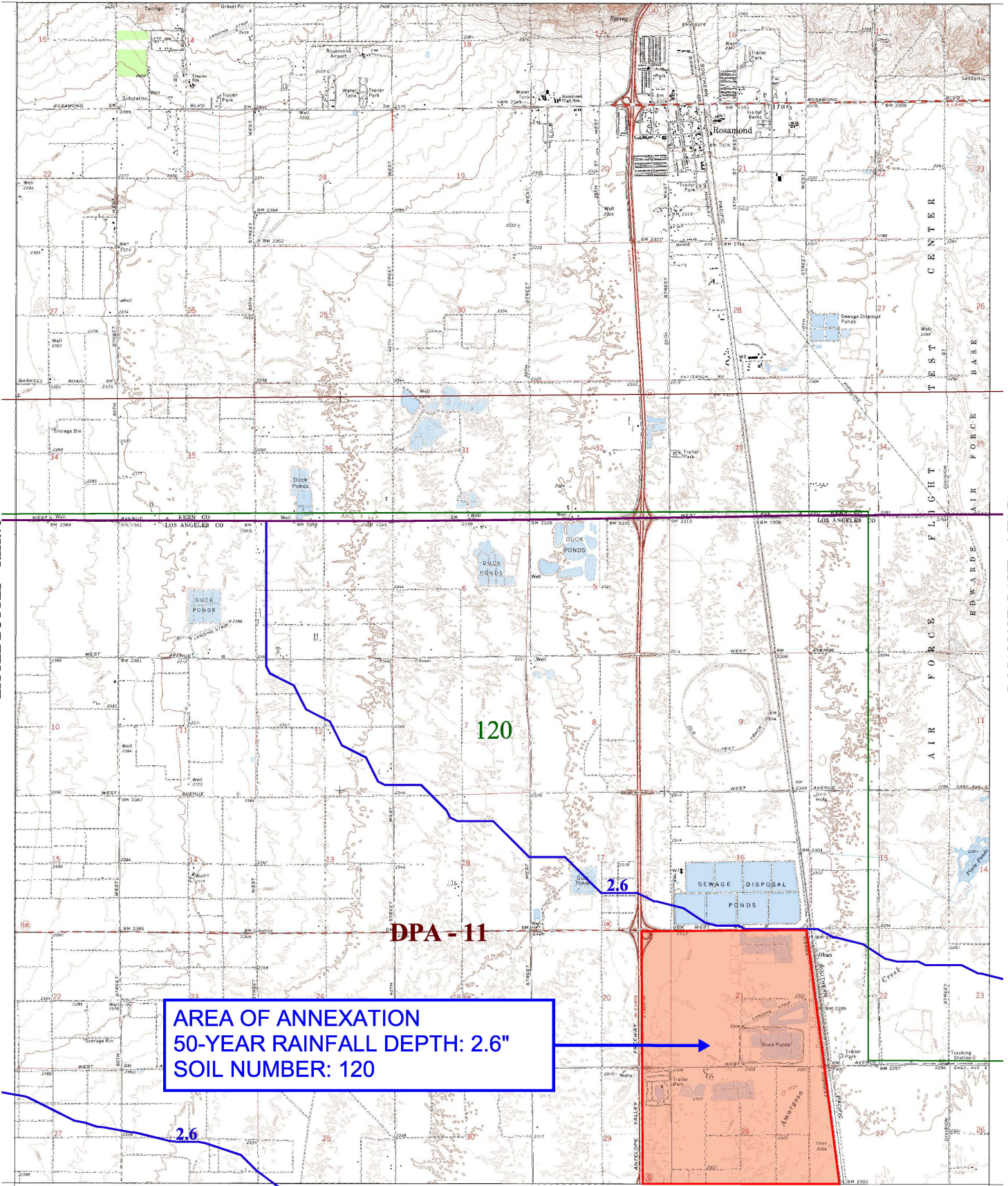
DEBRIS  
POTENTIAL  
AREA

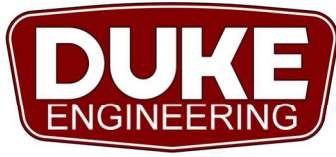
1 0 1 2 Miles

25-YEAR 24-HOUR ISOHYET REDUCTION FACTOR: 0.878  
10-YEAR 24-HOUR ISOHYET REDUCTION FACTOR: 0.714

**ROSAMOND**  
**50-YEAR 24-HOUR ISOHYET**

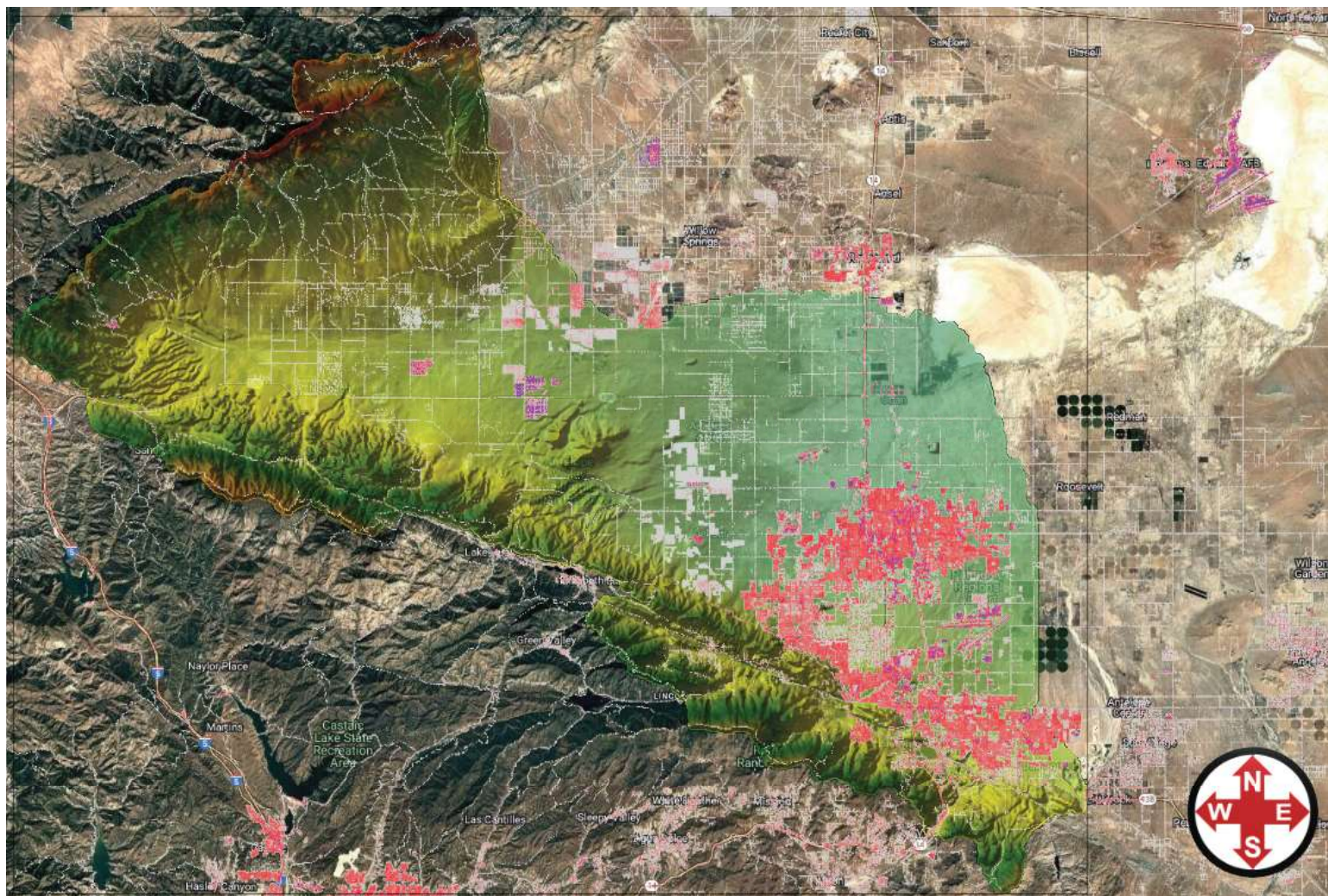
**1-H1.77**



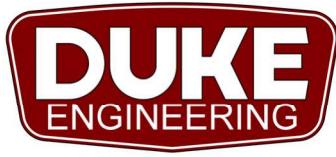


## **Appendix XXVIII: Land Cover Map**

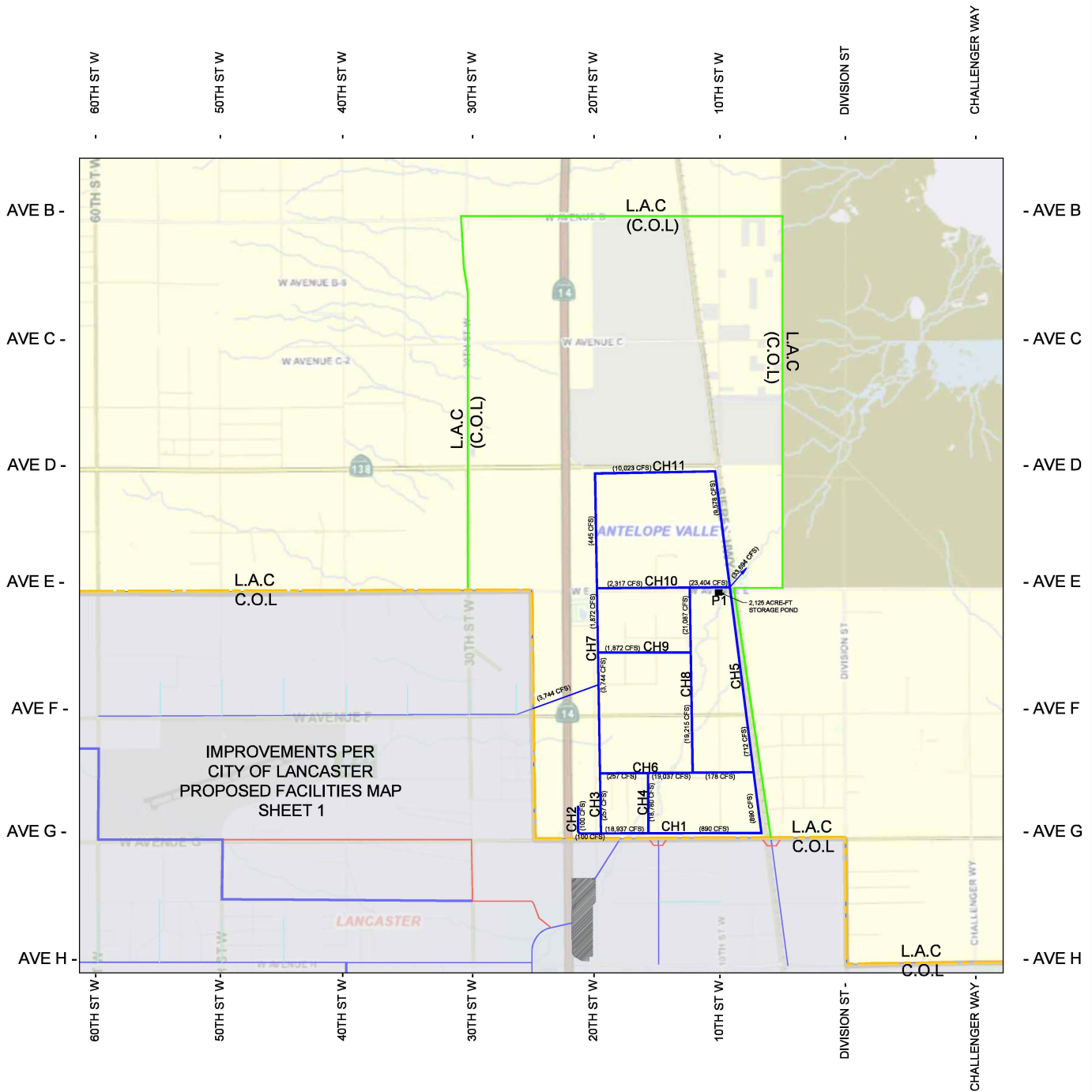








## **Appendix XXIV: Performance Spec**



**LEGEND**

- CITY BOUNDARY
- PROPOSED REGIONAL EARTHEN CHANNEL
- AREA TO BE ANNEXED

**ABBREVIATIONS**

- C.O.L. CITY BOUNDARY
- L.A.C. PROPOSED REGIONAL EARTHEN CHANNEL



ENGINEER OF RECORD  
759 LANCASTER BLVD  
LANCASTER, CA 93534  
(661) 952-7918

DRAWING TITLE:

**LAFCO  
ANNEXATION**

DATE  
02/12/2025

SCALE  
NOT TO SCALE

DESIGNED  
RD

DRAWN  
VP

CHECKED  
RD