

TECHNICAL MEMORANDUM

To: Greg Johnson, PE, MCES

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Date: July 15, 2025

Subject: White Bear Lake Comprehensive Plan: Study No. 9A
Impacts and Risks Evaluation from Raising White Bear Lake Outlet Elevation

INTRODUCTION

The purpose of this technical memorandum is to summarize the potential impacts and risks associated with raising the existing outlet elevation of White Bear Lake. The benefits of raising the outlet would be to collect and store additional rainfall and runoff following wet weather events and therefore delay and/or reduce the impacts of low water level conditions on White Bear Lake. This work is part of Metropolitan Council's (Met Council) White Bear Lake Area Comprehensive Plan Work Group efforts to ensure communities in the White Bear Lake area have access to sufficient drinking water to allow for municipal growth while ensuring the sustainability of surface and groundwater resources.

Study 9A is one of a wide range of water sustainability and conservation methods being evaluated through the Met Council work group efforts. The study is identified as an initial evaluation (Part A of Study 9), reflecting that it is the first phase of a potential two-part analysis. Study 9A evaluates what the potential flood risks and issues are with raising the outlet elevation, whereas Study 9B (which is dependent of the results of Study 9A) would look at the potential water storage and impacts to downstream hydraulic conditions resulting from raising the outlet. Depending on the results of this initial evaluation and the extent of identified potential benefits, challenges, and issues, Study 9B may be completed if the work group decides to proceed with further evaluation.

The scope of work for Study No. 9A includes:

1. Summarizing available datasets on water levels, lidar data, flood mapping, historical flood events, and prior studies, ensuring datum consistency by converting all datasets to NAVD 1988.
2. Conduct screening-level GIS assessment to evaluate potential flooding impacts and identify potentially impacted properties and key infrastructure (parks, roads, parking areas, residences, boat sheds) for up to four (4) lake elevation scenarios to be determined. This evaluation will use 2023 lidar data and the latest aerial imagery, independently of any outlet structure performance modeling.
3. Review existing bathymetric surveys (USGS and other sources).
4. Compile flood history, FEMA data, and historical flood claims around White Bear Lake.

DATA COLLECTION AND REVIEW

The following section describes the data collection and review process for the sources of data used to assess the issues and risks of raising the outlet elevation of White Bear Lake. Three different vertical datums were referenced throughout the data that was reviewed in relation to lake elevations and critical infrastructure. One of the primary scope of work tasks was to confirm data consistency by converting reported information to a common vertical datum (NAVD 88).

VERTICAL DATUM

Data compiled and reviewed for this study are reported in several different vertical datums including:

- Ramsey County vertical datum (MSL 1912 or MSL) is a reference system used for establishing and referencing elevations within Ramsey County, Minnesota. This datum, also known as the Mean Sea Level Datum of 1912 (MSL 1912) in some contexts, was based on a nationwide adjustment of the United States level net. It was a significant improvement over previous vertical datums and served as a foundation for surveying and mapping in the region for a period. The 1912 adjustment contained about 11,100 benchmarks.
- National Geodetic Vertical Datum of 1929 (NGVD 29). A historical vertical datum used in the United States for measuring elevations. It was established by the U.S. Coast and Geodetic Survey and was the first continent-wide vertical datum. NGVD 29 is now superseded by the North American Vertical Datum of 1988 (NAVD 88).
- North American Vertical Datum of 1988 (NAVD 88). A vertical datum used for elevations in North America. It serves as the official vertical datum for the United States, Canada, and Mexico. NAVD 88 replaced the older National Geodetic Vertical Datum of 1929 (NGVD 29).

The relationship between these elevations is documented in several sources including the Rice Creek Watershed District (RCWD) *Lake level Analysis of White Bear Lake* and the 2013 USGS Report titled *Groundwater and Surface-Water Interactions near White Bear Lake, Minnesota, through 2011*. The specific conversion factors are:

- Ramsey County (MSL 1912) + 0.27 = NGVD 29
- Ramsey County (MSL 1912) + 0.46 = NAVD 88
- VERTCON: NGVD 29 + 0.19 = NAVD 88

The following sections relating to background data sources presents the data and corresponding datum in which the data was reported from each source. For the analysis portion of this study, the risk evaluation, mapping, and related information will use and report results in the current standard vertical datum, NAVD 88.

WATER LEVELS

The primary sources of water level data for White Bear Lake are from the Minnesota Department of Natural Resources (MnDNR) Lake Finder database and from the White Bear Lake Conservation District (WBLCD). Lake Finder provides a summary of historic highs and lows dating back to 1924, reports the established Ordinary High Water Level (OHW) at 924.89 (MSL), and describes established benchmarks. The Lake Finder website also provides a link to download historical lake level data.

The WBLCD has a link on their website to Current Lake Levels, which connects to the MnDNR Cooperative Stream Gaging (CSG) data. Current lake level data is recorded every 4 hours and updated automatically on the website. The WBLCD has a second link on Historic Lake Levels, which provides a direct summary of the historic water levels dating back to 1925. The WBLCD website references the MSL datum and also references the full current data that is available from the MNDNR. A sample of the data

from these primary sources follows. The MnDNR contains the following summary water level data dating back to 1924, reported in MSL datum.

Period of Record: 01/01/1924 to 05/31/2025
Highest recorded: 926.7 ft (06/20/1943)
Lowest recorded: 918.84 ft (01/10/2013)
Recorded range: 7.86 ft
Ordinary High Water Level (OHW) elevation: 924.89 ft
Datum: MSL 1912 (ft)

MnDNR CSG information allows for selection of specific date ranges and the inclusion of precipitation data in a simple plot (example data for the first half of 2025 shown in Figure 1). The lake water level as of 7:00 am, June 30, 2025 was 923.24 (MSL). All data is referenced as provisional and subject to revision. An example of a likely revision would be during early March prior to ice-out on March 28, where recorded levels fluctuated drastically between 922.1 and 923.4. Actual water levels remained generally around 922.5 during this time period.

Figure 1: Example MnDNR CSG Time Series Graph – Raw Water Level and Rainfall



The WBLCD website contains a link to the MnDNR website data above as well as two historical water level charts that are presented below in Figures 2 and 3. Figure 2 shows the water level in the MSL datum from 1924 to 2023.

Figure 2: WBLCD - Chart of Historical Water Levels - White Bear Lake (1924-2023)

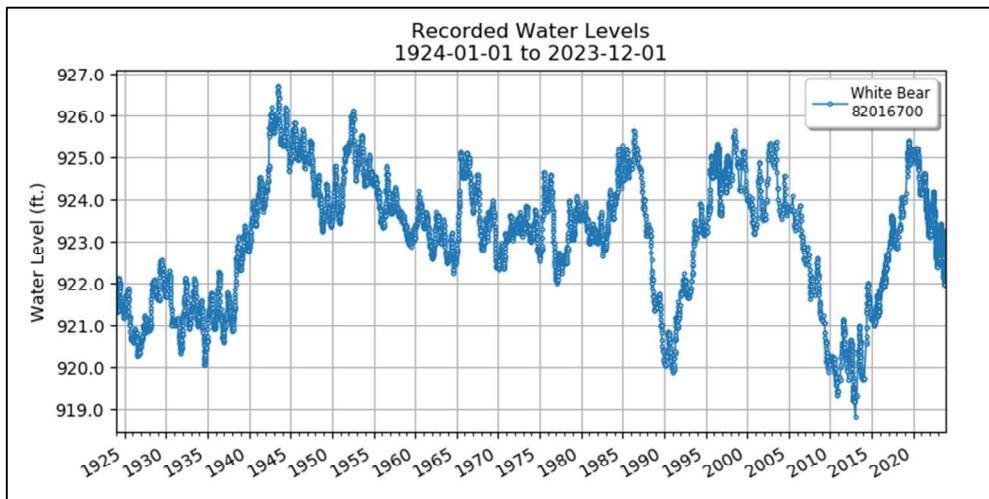
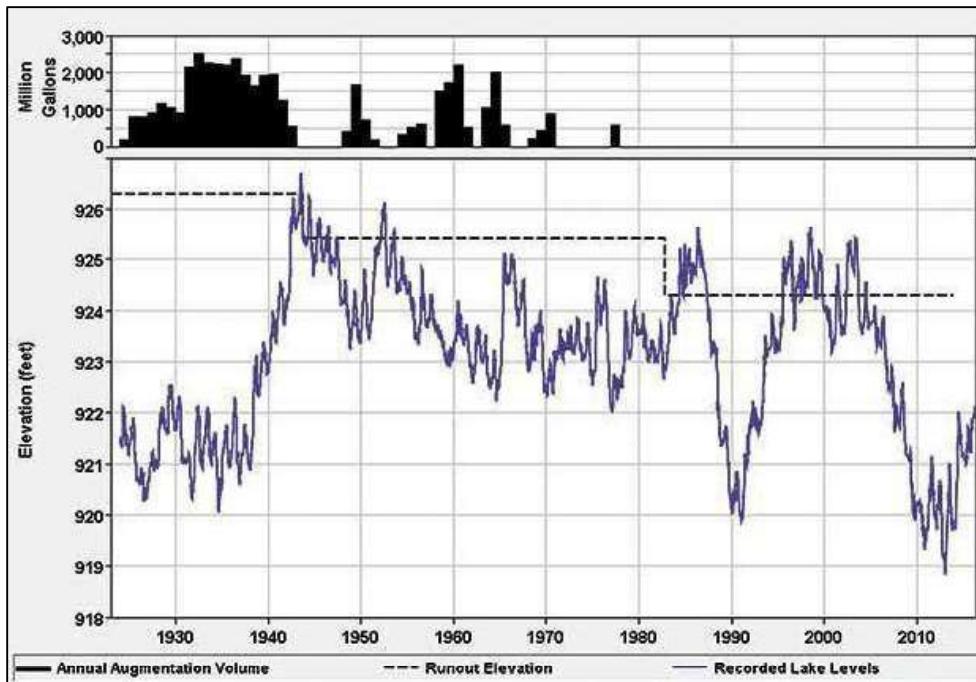


Figure 3 shows historical water levels from 1921 to 2017 with additional markings showing pumping into White Bear Lake from surrounding wells and the adjustments to the outlet elevations of the culverts that overflow from White Bear Lake towards Bald Eagle Lake. As shown, the lake outlet elevation was lowered in 1943 (from 926.3 to 925.4 MSL) and again in 1982 to 924.3 (MSL). Pumping last occurred in the late 1970's.

Figure 3: WBLCD – Lake Level, Runout Elevation, Pumping Volume



The DNR established a protective elevation for White Bear Lake in December 2016 in an effort to balance water supply needs, ecosystem benefits, and recreational uses as these are impacted at low lake levels. A protective elevation is a regulatory measure used to trigger changes in surface water (or groundwater) appropriations to prevent undue harm to a lake. The protective elevation is not a fixed lake water level

that is maintained or a minimum level that is guaranteed. Relevant elevations from the MNDNR Protective Elevation Fact Sheet including the following:

- Protective Elevation = 922.0 (MSL)
- Outlet Elevation = 924.3 (MSL)
- OHWL = 924.9 (MSL)

LIDAR

Lidar data was collected for White Bear Lake and the surrounding areas for use in the review and analysis of impacts. The lidar data was published in January of 2024 to the United States Geological Survey (USGS) National Map data portal. The lidar data is reported in NAVD 88.

The MnDNR's MNTOPO online tool also uses lidar data and as of the date of this memo, the online tool uses the lidar from 2011. That data file was reviewed as part of this initial study and has been downloaded for future reference if needed in future study efforts.

FLOOD MAPPING AND HISTORICAL EVENTS

The Federal Emergency Management Agency (FEMA) maintains current flood map products and studies including the two official Flood Insurance Studies (FIS) for the White Bear Lake area:

- FIS, Ramsey County, Minnesota – September 16, 2015
- FIS, Washington County, Minnesota – February 3, 2010.

The Washington County FIS indicates that the cities of White Bear Lake and Willernie have no mapped Special Flood Hazard Areas. The Washington County FIS includes the stated conversion of datum elevations from NGVD 29 to NAVD 88 as 0.19 feet for the White Bear Lake East Quad Name (FIS Table 4). FIRM Panel 27163C0230E shows White Bear Lake as a Zone A Special Flood Hazard Area (SFHA) for the Washington County portion of the Lake. The following Letter of Map Amendment (LOMA) documents relate to White Bear Lake:

- Case No. 10-05-5310A. 49 Birchwood Road indicates the structure is removed from the SFHA and lists a 1% Chance Flood Elevation of 926.9 (NAVD 88) and Lowest Adjacent Grade of 927.2 (NAVD 88). August 12, 2010.
- Case No. 16-05-0912A. 101 Wildwood Beach Road indicates the structure is removed from the SFHA. No data is provided for the 1% Chance Flood Elevation or Lowest Adjacent Grade. December 18, 2015.

The Ramsey County FIS includes the stated conversion of datum elevations from NGVD 29 to NAVD 88 and ranges from 0.174 to 0.187 feet for the White Bear Lake quad name (FIS Table 3). FIRM Panel 27123C0035G shows White Bear Lake as a Zone A for the Ramsey County portion of the Lake. The following LOMAs are samples of the seven LOMA documents relating to White Bear Lake:

- Case No. 10-05-4891A. 5150 Pacific Street indicates the structure is removed from the SFHA and lists a 1% Chance Flood Elevation of 926.9 (NAVD 88) and Lowest Adjacent Grade of 928.6 (NAVD 88). August 5, 2010.
- Case No. 10-05-4891A. 2451 Lake Avenue indicates the structure is removed from the SFHA and lists a 1% Chance Flood Elevation of 926.9 (NAVD 88) and Lowest Adjacent Grade of 927.1 (NAVD 88). August 5, 2010.
- Case No. 11-05-0975A. Hidden Pathways Addition (14 addresses) indicates the structure is removed from the SFHA and lists a 1% Chance Flood Elevation of 926.9 (NAVD 88) and Lowest Adjacent Grade ranging from 927.1 to 934.5 (NAVD 88). December 28, 2010.

Exhibit 1, which is provided as an attachment to this memo, shows the current mapped special flood hazard boundary for White Bear Lake. The designation of the SFHA as a Zone A indicates that there was not a detailed study to assign a flood hazard elevation, although the LOMA documents generally refer to the elevation 926.9 (NAVD 88) as the 100-year/1% chance flood elevation. This reported flood elevation is different than the 927.2 (NAVD 88) flood elevation determined by RCWD (discussed further below).

The highest water level recorded on White Bear Lake occurred in 1943 at an elevation of 926.7 feet (MSL) [927.16 NAVD 88]. The lowest water level occurred in January of 2013 at an elevation of 918.84 feet (MSL) [919.30 NAVD 88].

From a historical condition perspective, we also looked at what impact the wettest annual precipitation years had on the change in water levels on the lake, recognizing that annual precipitation is only one component of an overall water balance. Table 1 presents precipitation data from each of the four highest annual precipitation years to the peak recorded water level that year and the maximum change in water level from January of each year. For the four years reported below, the peak water level occurred in mid-June to early July for three of the four years, with the peak for 2016 occurring in November. Results for the four wettest years indicate that while the lake water levels increased in each of the four wettest years, there is little correlation between annual precipitation and flood risks, without evaluating other conditions relevant to an overall water balance.

Table 1. Annual Precipitation Impact on Water Level

Year	Annual Precipitation (inches)	Peak Water Level (ft) (MSL)	January Water Level (ft) (MSL)	Water Level Change (ft)
2019	43.2	925.41	924.04	1.37
2016	40.3	922.73	922.00	0.73
1965	39.9	925.11	922.76	2.35
1983	39.1	924.25	923.13	1.12

A web search to identify records of historic flood-related impacts around the lake was completed and resulted in no identified flood impacts. If work group members have local records or other documentation of specific flood-related impacts, that information can be added as an attachment to this memo.

BATHYMETRIC SURVEYS

The MnDNR Lake Finder database includes two bathymetric maps of White Bear Lake, one dated May 1978 and one for which a date cannot be identified. In addition, the USGS 2013 report on the groundwater and surface-water interactions references a bathymetric survey completed by the MnDNR in 2012. Additional lake bathymetry mapping is available from various commercial sources.

For the purposes of Study 9A (and more importantly Study 9B, if pursued), the primary value in the bathymetry data relates to the ability to quantify the storage volume in the portions of the lake above an elevation of 919 feet (NAVD88). This elevation corresponds closely to the historic low water elevation of 919.30 (NAVD 88), recorded on January 10, 2013. The current MNTOPO surface LiDAR data has a lowest visible contour in the online mapping tool at an elevation of 920 feet and shows a lower elevation when using the elevation tools (919.03 feet NAVD88) (data in MNTOPo as of June 30, 2025). These elevations are consistent with what would have been observed for lake levels during the Fall 2011 or Spring 2012 time frame when the LiDAR for this area was previously collected.

A more recent LiDAR dataset published in 2024 has been used for the mapping analysis and is presented in the Exhibit 2 map set included as an attachment to this study. The bathymetry data available in the combined LiDAR datasets from 2011 and 2024 provide sufficient information to quantify storage volumes above the recorded low water level.

ADDITIONAL STUDIES AND DATA

The RCWD Lake Level Analysis, Section 18, White Bear Lake was completed March 18, 2022. That analysis included the following summary data related to Lake levels.

1. OHWL
 - a. 924.89 MSL
 - b. 925.16 NGVD 29
 - c. 925.36 NAVD 88
2. Outlet Inverts – Twin 18 x 28 RCP Arch (Images of culvert area attached)
 - a. 924.57 / 924.58 NGVD 29
 - b. 924.77 / 924.78 NAVD 88
3. 100-YR HWL
 - a. Result estimated using polynomial equation fit to data from 1924 to 2021 (DNR Lake Finder Database)
 - b. 100-YR (*used by RCWD for implementation of their floodplain rule*)
 - i. 927.00 NGVD 29
 - ii. 927.20 NAVD 88
 - c. Recorded data shows one occurrence reaching 927.0 (NGVD 29) in 1943. Converted 1943 elevations are approximately 927.2 (NAVD 88), 926.7 (MSL 1912).

MN DNR Data Assessment – Greg Johnson email to Kimley-Horn Team with information from MNDNR (March 13, 2025) provided the following outlet culvert elevation data:

1. MnDNR Survey data from May 2016 (NAVD 88)
 - a. Left Culvert = 924.16
 - b. Right Culvert – 924.30
2. MnDNR 1982 New Outlet Permit File (Ramsey Co. 1912)
 - a. Left Culvert = 923.28
 - b. Right Culvert – 923.32

IMPACTS AND RISK EVALUATION

The primary concern with raising the outlet elevation relates to the potential for increasing the risk of flooding on shoreline properties and infrastructure located on these properties. The primary benefit of raising the outlet elevation would be to maintain the additional storage volume above the current outlet and thereby extending the time period that it would take the lake to drop to a given elevation. In effect, raising the outlet would also raise the elevation of low water conditions and reduce the time period that the water level would otherwise be below a given elevation such as the protective elevation.

EXISTING PROPERTIES AND INFRASTRUCTURE

A review of potential structures and infrastructure features was completed by overlaying the aerial photography from spring 2025 and the 2024 lidar contours. Anywhere an apparent structure touched one or more contour lines, that structure was placed in the range of the lowest contour. As shown in Table 2, there were two parcels, each having one structure that touched the 925 contour at the structure's closest point to the lake. Three structures touched the 926 contour at their closest point to the lake.

For the 927 contour, there were a total of 22 structures on 20 parcels, indicating that there were two parcels having more than one structure touching the 927 contour. For the 928 contour, there were a total of 42 structures on 33 parcels, indicating that there were several parcels having more than one structure touching the 928 contour. Exhibit 2 is map set that shows the elevation contours over the aerial image and also indicate the (preliminary) type of structures corresponding to the summary data in Table 2. When comparing the structure mapping exercise with the 100-year flood elevation of 927.2 (NAVD 88), there are on the order of a couple dozen structures that could be at or below the 100-year flood elevation.

Table 2. Potential Structure Impacts by Lidar Elevation Range

Elevation Range (NAVD 88)	Parcels	Structures	Types of Structures
924.01 – 925.00	2	2	Garage and attached boat house on Map page 10. Shed/boat house on Map page 14.
925.01 – 926.00	3	3	Shed/boat house on Map page 2. Boat house on Map page 3. Boat house on Map page 21.
926.01 – 927.00	20	22	Multiple features including potential houses, a parking lot, playground and several boat houses and/or sheds. See map set for details.
927.01 – 928.00	33	42	Multiple features including potential houses, a parking lot, picnic shelter and several boat houses and/or sheds. See map set for details.

In addition to this mapping exercise, direct observation of the lowest identified structures was completed through a field review. That review confirmed that the five structures touching or extending beyond the 925 or 926 contours are potentially impacted at the stated elevations. However, there is a wide range of types of structures, mostly described as boat houses or sheds, including some directly adjacent to those identified in the mapping exercise that could have a low structure elevation either below, or above, those identified. Some of the structures observed are built of stone or brick, while others appear to be two-level structures with only support posts extending to the lower contours and a number of more traditional timber framed, shed-like structures.

The conclusion reached based off of these initial field observations is that it is very difficult to accurately identify if any of these structures at the lower elevations (below 926.01) are actually at risk at these elevations without a closer inspection and potential survey. That said, it is safe to assume that many of them would likely be at risk at elevations above the 926.01 elevation.

PRELIMINARY OUTLET ASSESSMENT

One of the primary benefits of raising the culvert inverts would be to increase the number of days that the water levels are at a higher elevation than has been experienced in the past 40 years. In order to better understand how sensitive the high-water level is to the outlet system elevations, a simple HydroCAD

model was created to simulate an event based high-water level for White Bear Lake. The use of the term “outlet system” reflects the multi-stage outlet system that is currently in place. The system consists of two 18-inch x 29-inch RCP arch pipes which serve as the primary outlet. Several photographs of the culverts and the surrounding area are attached as Exhibit 3. When water levels reach a higher elevation the outlet system includes a secondary surface overflow that flows across a portion of the Ramsey County Park parking lot at an estimated elevation of 925.3 (NAVD 88).

For this simplified model assessment, both culvert invert levels were set at elevation 924.3 (NAVD 88), consistent with the higher of the elevations surveyed by MnDNR in 2016. The simple model includes a secondary pond north of the parking lot to account for the storage on the south side of Highway 96 and assumed culverts that ultimately route under Highway 96 to the north. Highway 96 was included as a surface overflow for the pond system with an overflow elevation of around 926.0 (NAVD 88) as taken from the MNTOPO online tool.

The simple model was used to evaluate the high-water level (HWL) response of the lake to extreme storm events as listed in Tables 2 and 3. Table 2 presents results for constant outlet culvert invert elevations while varying the starting water level of the lake by 6 inches and 12 inches. Table 3 presents results for raising the culvert elevations and setting the lake starting elevation at the elevation of the culvert invert, both by 6 inches and 12 inches. Comparing results in the two tables suggests that high-water levels are much more sensitive to what the lake starting elevation is than to what the culvert outlet elevation is. For example, the HWL for a 100-year event and a 924.8 start elevation increases from 926.12 (Table 2) when the outlet elevation remains at 924.3 to 926.15 (Table 3) when the outlet elevation is increased by 6 inches.

Table 2. Potential High-Water Levels for Varied Lake Starting Elevations

Rainfall Event	Depth (inches)	Storms	HWL - For Each Starting Elevation		
			924.3	924.8	925.3
100-yr	7.36	1	925.67	926.12	926.54
100-yr B2B	7.36	2	927.22	927.54	927.82
12-Inch	12.00	1	926.69	927.07	927.41

Table 3. Potential High-Water Levels for Varied Culvert Inverts

Rainfall Event	Depth (inches)	Storms	HWL For Culvert and Start Elevation		
			924.3	924.8	925.3
100-yr	7.36	1	925.67	926.15	926.58
100-yr B2B	7.36	2	927.22	927.54	927.84
12-Inch	12.00	1	926.69	927.08	927.43

At a very high level, results summarized in Table 2 indicate that it is reasonable to expect the lake water level could reach the 100-year elevation established by RCWD. However, results also suggest that it may take more extreme rainfall conditions than a 100-year rainfall event, even when having a higher starting elevation. These preliminary results suggest that the surface overflow through the parking lot may impact the extreme event HWL for the lake much more so than the elevation of the two outlet culverts. If there is support for advancing Study 9B, we recommend that that effort include development of a more detailed model such as a 1D-2D model using rain-on-grid to provide a more rigorous simulation of the outlet capacity of the current culverts and better represent the overflow system as well as the downstream system to store and convey discharge flows.

In order to help quantify the potential benefits of raising the outlet elevation, we completed a spreadsheet analysis of the lake water level data from 1982 through June of 2025. This analysis looked at the number of days in this 43.5-year period that had a water level below the protective elevation of 922.0 MSL (922.46 NAVD 88). We evaluated the actual recorded data and then simulated water levels assuming an outlet elevation 6 inches and 12 inches higher. The assumption was that raising the outlet by 6 or 12 inches would effectively shift the water levels shown in Figure 3 up by 6 or 12 inches, thereby reducing the number of days the water level is below the protective elevation. Raising the water level by 6 or 12 inches could provide an additional 400-800 million gallons of storage capacity when the lake levels are at or above the current outlet.

Results show that for the low water level period between about 1988 and 1992, the number of days below the protective elevation could be reduced from 1,304 to 1,009 by raising the outlet 6 inches and to 622 by raising the outlet 12 inches. A summary data table is attached as Exhibit 4.

CONCLUSIONS

This assessment provides an overview of potential benefits of raising the outlet system culverts along with the potential risks. The primary benefits of raising the outlet elevation would be to capture and store more rainfall precipitation in the lake to help maintain lake elevations for longer periods of time during extended dry periods. Raising the lake elevation by 6-12-inches could provide an estimated 400-800 million gallons of additional storage capacity in the lake during these times. Raising the outlet elevation would result in more days where water levels remain above the established protective elevation.

There are a number of properties and structures that may currently be at risk of flooding during extreme precipitation conditions, and this initial assessment suggests that peak water levels could increase slightly if the primary outlet culverts are raised. The preliminary analysis also shows that the elevation of the primary culvert outlets is much less a factor on high water levels than the water level at the start of an extreme event. The culvert elevations are also much less a factor in the high-water level conditions than the elevation and extents of the surface overflow.

Because there are potentially dozens of structures near or below the current 100-year flood elevation, completing a survey of existing structure elevations would provide some certainty, but would also be a significant undertaking. Instead, if the work group feels that the benefits of raising the outlet are worth evaluating further, we recommend developing a more detailed model as the first step. This would allow the work group to better assess if raising the culvert elevations would actually have an impact on high water levels or if the current surface overflow conditions actually drive the high-water levels. This modeling exercise would be completed as part of the efforts under Study 9B which is intended to look at the potential water storage and impacts to downstream hydraulic conditions resulting from raising the outlet.

Exhibits:

1. Exhibit 1 - FEMA Flood Zone (Map) ~400MB file – see link below
<https://kimley-horn.securevdr.com/d-sa83ba46e87814b7d8ecbd5980f1c6739>
2. Exhibit 2 - Potential Impacts and Risks to Properties and Structures (Map Set) ~400MB file – see link below <https://kimley-horn.securevdr.com/d-sa83ba46e87814b7d8ecbd5980f1c6739>
3. Exhibit 3 - Culvert Area Images
4. Raised Outlet Spreadsheet Analysis

EXHIBIT 3 – OUTLET CULVERT AREA PHOTOS (March 18, 2025)



EXHIBIT 3 – OUTLET CULVERT AREA PHOTOS (March 18, 2025)



EXHIBIT 3 – OUTLET CULVERT AREA PHOTOS (March 18, 2025)



CHR_ID	DATE	LAKE WS ELEVATION (MSL)	OHWL (MSL)	RUNOUT ELEVATION (MSL)	LAKE WS ELEVATION (NAVD 88)	OHWL (NAVD 88)	RUNOUT ELEVATION (NAVD 88)	Existing < 922.46	Raise 6" < 922.46	Raise 12" < 922.46
82016700	1982-01-05	923.04	924.89	924.3	923.5	925.35	924.76	0	0	0
82016700	1982-01-09	923.04	924.89	924.3	923.5	925.35	924.76	0	0	0
82016700	1982-01-14	923.06	924.89	924.3	923.52	925.35	924.76	0	0	0
82016700	1982-01-19	923.08	924.89	924.3	923.54	925.35	924.76	0	0	0
82016700	1982-01-24	923.11	924.89	924.3	923.57	925.35	924.76	0	0	0
82016700	1982-01-30	923.13	924.89	924.3	923.59	925.35	924.76	0	0	0
82016700	1982-02-09	923.16	924.89	924.3	923.62	925.35	924.76	0	0	0
82016700	1982-02-15	923.16	924.89	924.3	923.62	925.35	924.76	0	0	0
82016700	1982-02-24	923.16	924.89	924.3	923.62	925.35	924.76	0	0	0
82016700	1982-03-01	923.16	924.89	924.3	923.62	925.35	924.76	0	0	0
82016700	1982-03-04	923.18	924.89	924.3	923.64	925.35	924.76	0	0	0
82016700	1982-03-09	923.21	924.89	924.3	923.67	925.35	924.76	0	0	0
82016700	1982-03-14	923.23	924.89	924.3	923.69	925.35	924.76	0	0	0
82016700	1982-03-19	923.26	924.89	924.3	923.72	925.35	924.76	0	0	0
82016700	1982-03-25	923.28	924.89	924.3	923.74	925.35	924.76	0	0	0
82016700	1982-03-30	923.31	924.89	924.3	923.77	925.35	924.76	0	0	0
82016700	1982-04-05	923.34	924.89	924.3	923.8	925.35	924.76	0	0	0
82016700	1982-04-09	923.38	924.89	924.3	923.84	925.35	924.76	0	0	0
82016700	1982-04-14	923.46	924.89	924.3	923.92	925.35	924.76	0	0	0
82016700	1982-04-19	923.54	924.89	924.3	924	925.35	924.76	0	0	0
82016700	1982-04-24	923.56	924.89	924.3	924.02	925.35	924.76	0	0	0
82016700	1982-04-29	923.57	924.89	924.3	924.03	925.35	924.76	0	0	0
82016700	1982-05-04	923.58	924.89	924.3	924.04	925.35	924.76	0	0	0
82016700	1982-05-09	923.59	924.89	924.3	924.05	925.35	924.76	0	0	0
82016700	1982-05-14	923.63	924.89	924.3	924.09	925.35	924.76	0	0	0
82016700	1982-05-19	923.67	924.89	924.3	924.13	925.35	924.76	0	0	0
82016700	1982-05-24	923.71	924.89	924.3	924.17	925.35	924.76	0	0	0
82016700	1982-05-31	923.63	924.89	924.3	924.09	925.35	924.76	0	0	0
82016700	1982-06-05	923.56	924.89	924.3	924.02	925.35	924.76	0	0	0
82016700	1982-06-09	923.49	924.89	924.3	923.95	925.35	924.76	0	0	0
82016700	1982-06-15	923.4	924.89	924.3	923.86	925.35	924.76	0	0	0
82016700	1982-06-19	923.37	924.89	924.3	923.83	925.35	924.76	0	0	0
82016700	1982-06-24	923.36	924.89	924.3	923.82	925.35	924.76	0	0	0
82016700	1982-06-29	923.3	924.89	924.3	923.76	925.35	924.76	0	0	0
82016700	1982-07-04	923.23	924.89	924.3	923.69	925.35	924.76	0	0	0
82016700	1982-07-09	923.18	924.89	924.3	923.64	925.35	924.76	0	0	0
82016700	1982-07-15	923.11	924.89	924.3	923.57	925.35	924.76	0	0	0
82016700	1982-07-19	923.06	924.89	924.3	923.52	925.35	924.76	0	0	0
82016700	1982-07-24	923.05	924.89	924.3	923.51	925.35	924.76	0	0	0
82016700	1982-07-30	923.06	924.89	924.3	923.52	925.35	924.76	0	0	0
82016700	1982-08-04	922.96	924.89	924.3	923.42	925.35	924.76	0	0	0
82016700	1982-08-09	922.85	924.89	924.3	923.31	925.35	924.76	0	0	0
82016700	1982-08-14	922.78	924.89	924.3	923.24	925.35	924.76	0	0	0
82016700	1982-08-19	922.71	924.89	924.3	923.17	925.35	924.76	0	0	0
82016700	1982-08-24	922.66	924.89	924.3	923.12	925.35	924.76	0	0	0
82016700	1982-08-29	922.95	924.89	924.3	923.41	925.35	924.76	0	0	0
82016700	1982-09-04	922.87	924.89	924.3	923.33	925.35	924.76	0	0	0
82016700	1982-09-09	922.82	924.89	924.3	923.28	925.35	924.76	0	0	0
82016700	1982-09-14	922.9	924.89	924.3	923.36	925.35	924.76	0	0	0
82016700	1982-09-19	922.9	924.89	924.3	923.36	925.35	924.76	0	0	0
82016700	1982-09-24	922.88	924.89	924.3	923.34	925.35	924.76	0	0	0
82016700	1982-09-29	922.86	924.89	924.3	923.32	925.35	924.76	0	0	0
82016700	1982-10-04	922.86	924.89	924.3	923.32	925.35	924.76	0	0	0
82016700	1982-10-09	922.84	924.89	924.3	923.3	925.35	924.76	0	0	0
82016700	1982-10-14	922.83	924.89	924.3	923.29	925.35	924.76	0	0	0
82016700	1982-10-19	922.83	924.89	924.3	923.29	925.35	924.76	0	0	0
82016700	1982-10-24	922.84	924.89	924.3	923.3	925.35	924.76	0	0	0
82016700	1982-10-31	922.84	924.89	924.3	923.3	925.35	924.76	0	0	0
82016700	1982-11-04	922.83	924.89	924.3	923.29	925.35	924.76	0	0	0
82016700	1982-11-09	922.84	924.89	924.3	923.3	925.35	924.76	0	0	0
82016700	1982-11-19	922.84	924.89	924.3	923.3	925.35	924.76	0	0	0
82016700	1982-11-24	922.84	924.89	924.3	923.3	925.35	924.76	0	0	0
82016700	1982-11-29	922.84	924.89	924.3	923.3	925.35	924.76	0	0	0
82016700	1982-12-05	922.84	924.89	924.3	923.3	925.35	924.76	0	0	0
82016700	1982-12-10	922.85	924.89	924.3	923.31	925.35	924.76	0	0	0
82016700	1982-12-15	922.89	924.89	924.3	923.35	925.35	924.76	0	0	0
82016700	1982-12-20	922.95	924.89	924.3	923.41	925.35	924.76	0	0	0
82016700	1982-12-25	923	924.89	924.3	923.46	925.35	924.76	0	0	0
82016700	1982-12-31	923.08	924.89	924.3	923.54	925.35	924.76	0	0	0
82016700	1983-01-04	923.13	924.89	924.3	923.59	925.35	924.76	0	0	0
82016700	1983-01-09	923.18	924.89	924.3	923.64	925.35	924.76	0	0	0
82016700	1983-01-15	923.19	924.89	924.3	923.65	925.35	924.76	0	0	0
82016700	1983-01-19	923.16	924.89	924.3	923.62	925.35	924.76	0	0	0
82016700	1983-01-24	923.17	924.89	924.3	923.65	925.35	924.76	0	0	0
82016700	1983-01-30	923.17	924.89	924.3	923.63	925.35	924.76	0	0	0
82016700	1983-02-04	923.18	924.89	924.3	923.64	925.35	924.76	0	0	0
82016700	1983-02-09	923.2	924.89	924.3	923.66	925.35	924.76	0	0	0
82016700	1983-02-14	923.22	924.89	924.3	923.68	925.35	924.76	0	0	0
82016700	1983-02-19	923.24	924.89	924.3	923.7	925.35	924.76	0	0	0
82016700	1983-02-24	923.27	924.89	924.3	923.73	925.35	924.76	0	0	0
82016700	1983-02-28	923.28	924.89	924.3	923.74	925.35	924.76	0	0	0
82016700	1983-03-04	923.32	924.89	924.3	923.78	925.35	924.76	0	0	0
82016700	1983-03-09	923.34	924.89	924.3	923.8	925.35	924.76	0	0	0
82016700	1983-03-14	923.38	924.89	924.3	923.84	925.35	924.76	0	0	0
82016700	1983-03-19	923.4	924.89	924.3	923.86	925.35	924.76	0	0	0
82016700	1983-03-24	923.45	924.89	924.3	923.91	925.35	924.76	0	0	0
82016700	1983-03-30	923.51	924.89	924.3	923.97	925.35	924.76	0	0	0
82016700	1983-04-04	923.57	924.89	924.3	924.03	925.35	924.76	0	0	0
82016700	1983-04-09	923.61	924.89	924.3	924.07	925.35	924.76	0	0	0
82016700	1983-04-15	923.67	924.89	924.3	924.13	925.35	924.76	0	0	0
82016700	1983-04-19	923.75	924.89	924.3	924.21	925.35	924.76	0	0	0
82016700	1983-04-24	923.81	924.89	924.3	924.27	925.35	924.76	0	0	0
82016700	1983-04-29	923.84	924.89	924.3	924.3	925.35	924.76	0	0	0
82016700	1983-05-04	923.86	924.89	924.3	924.32	925.35	924.76	0	0	0
82016700	1983-05-09	923.88	924.89	924.3	924.3					

82016700	1985-06-04	925.18	924.89	924.3	925.64	925.35	924.76	0	0	0
82016700	1985-06-09	925.16	924.89	924.3	925.62	925.35	924.76	0	0	0
82016700	1985-06-14	925.18	924.89	924.3	925.64	925.35	924.76	0	0	0
82016700	1985-06-20	925.18	924.89	924.3	925.64	925.35	924.76	0	0	0
82016700	1985-06-25	925.13	924.89	924.3	925.59	925.35	924.76	0	0	0
82016700	1985-06-29	925.09	924.89	924.3	925.55	925.35	924.76	0	0	0
82016700	1985-07-04	925.01	924.89	924.3	925.47	925.35	924.76	0	0	0
82016700	1985-07-09	924.92	924.89	924.3	925.38	925.35	924.76	0	0	0
82016700	1985-07-14	924.84	924.89	924.3	925.3	925.35	924.76	0	0	0
82016700	1985-07-19	924.76	924.89	924.3	925.22	925.35	924.76	0	0	0
82016700	1985-07-24	924.71	924.89	924.3	925.17	925.35	924.76	0	0	0
82016700	1985-07-30	924.77	924.89	924.3	925.23	925.35	924.76	0	0	0
82016700	1985-08-04	924.61	924.89	924.3	925.07	925.35	924.76	0	0	0
82016700	1985-08-10	924.57	924.89	924.3	925.03	925.35	924.76	0	0	0
82016700	1985-08-15	924.6	924.89	924.3	925.06	925.35	924.76	0	0	0
82016700	1985-08-20	924.54	924.89	924.3	925	925.35	924.76	0	0	0
82016700	1985-08-25	924.54	924.89	924.3	925	925.35	924.76	0	0	0
82016700	1985-08-31	924.56	924.89	924.3	925.02	925.35	924.76	0	0	0
82016700	1985-09-10	924.69	924.89	924.3	925.15	925.35	924.76	0	0	0
82016700	1985-09-19	924.62	924.89	924.3	925.08	925.35	924.76	0	0	0
82016700	1985-09-24	924.67	924.89	924.3	925.13	925.35	924.76	0	0	0
82016700	1985-09-30	924.69	924.89	924.3	925.15	925.35	924.76	0	0	0
82016700	1985-10-05	924.76	924.89	924.3	925.22	925.35	924.76	0	0	0
82016700	1985-10-09	924.88	924.89	924.3	925.34	925.35	924.76	0	0	0
82016700	1985-10-15	924.93	924.89	924.3	925.39	925.35	924.76	0	0	0
82016700	1985-10-20	924.93	924.89	924.3	925.39	925.35	924.76	0	0	0
82016700	1985-10-25	924.89	924.89	924.3	925.35	925.35	924.76	0	0	0
82016700	1985-10-31	924.85	924.89	924.3	925.31	925.35	924.76	0	0	0
82016700	1985-11-05	924.81	924.89	924.3	925.27	925.35	924.76	0	0	0
82016700	1985-11-10	924.75	924.89	924.3	925.21	925.35	924.76	0	0	0
82016700	1985-11-14	924.7	924.89	924.3	925.16	925.35	924.76	0	0	0
82016700	1985-11-20	924.7	924.89	924.3	925.16	925.35	924.76	0	0	0
82016700	1985-11-25	924.7	924.89	924.3	925.16	925.35	924.76	0	0	0
82016700	1985-11-29	924.73	924.89	924.3	925.19	925.35	924.76	0	0	0
82016700	1985-12-05	924.74	924.89	924.3	925.2	925.35	924.76	0	0	0
82016700	1985-12-10	924.77	924.89	924.3	925.23	925.35	924.76	0	0	0
82016700	1985-12-15	924.78	924.89	924.3	925.24	925.35	924.76	0	0	0
82016700	1985-12-20	924.8	924.89	924.3	925.26	925.35	924.76	0	0	0
82016700	1985-12-24	924.78	924.89	924.3	925.24	925.35	924.76	0	0	0
82016700	1986-01-02	924.8	924.89	924.3	925.26	925.35	924.76	0	0	0
82016700	1986-02-05	924.73	924.89	924.3	925.19	925.35	924.76	0	0	0
82016700	1986-03-01	924.84	924.89	924.3	925.3	925.35	924.76	0	0	0
82016700	1986-03-25	924.94	924.89	924.3	925.4	925.35	924.76	0	0	0
82016700	1986-04-19	925.16	924.89	924.3	925.62	925.35	924.76	0	0	0
82016700	1986-04-29	925.42	924.89	924.3	925.88	925.35	924.76	0	0	0
82016700	1986-05-08	925.35	924.89	924.3	925.81	925.35	924.76	0	0	0
82016700	1986-05-16	925.64	924.89	924.3	926.1	925.35	924.76	0	0	0
82016700	1986-05-19	925.61	924.89	924.3	926.07	925.35	924.76	0	0	0
82016700	1986-05-24	925.54	924.89	924.3	926	925.35	924.76	0	0	0
82016700	1986-05-28	925.51	924.89	924.3	925.97	925.35	924.76	0	0	0
82016700	1986-06-18	925.09	924.89	924.3	925.55	925.35	924.76	0	0	0
82016700	1986-06-24	925.38	924.89	924.3	925.84	925.35	924.76	0	0	0
82016700	1986-07-08	925.25	924.89	924.3	925.71	925.35	924.76	0	0	0
82016700	1986-07-18	925.25	924.89	924.3	925.71	925.35	924.76	0	0	0
82016700	1986-07-29	925.27	924.89	924.3	925.73	925.35	924.76	0	0	0
82016700	1986-08-06	925.09	924.89	924.3	925.55	925.35	924.76	0	0	0
82016700	1986-08-19	925.01	924.89	924.3	925.47	925.35	924.76	0	0	0
82016700	1986-09-03	924.94	924.89	924.3	925.4	925.35	924.76	0	0	0
82016700	1986-09-10	924.85	924.89	924.3	925.31	925.35	924.76	0	0	0
82016700	1986-09-19	924.95	924.89	924.3	925.41	925.35	924.76	0	0	0
82016700	1986-09-24	925.14	924.89	924.3	925.56	925.35	924.76	0	0	0
82016700	1986-10-03	925.18	924.89	924.3	925.64	925.35	924.76	0	0	0
82016700	1986-10-20	925.05	924.89	924.3	925.51	925.35	924.76	0	0	0
82016700	1986-10-31	925	924.89	924.3	925.46	925.35	924.76	0	0	0
82016700	1986-11-20	924.97	924.89	924.3	925.43	925.35	924.76	0	0	0
82016700	1986-11-29	924.81	924.89	924.3	925.27	925.35	924.76	0	0	0
82016700	1987-01-09	924.77	924.89	924.3	925.23	925.35	924.76	0	0	0
82016700	1987-01-26	924.73	924.89	924.3	925.19	925.35	924.76	0	0	0
82016700	1987-02-16	924.72	924.89	924.3	925.18	925.35	924.76	0	0	0
82016700	1987-03-01	924.68	924.89	924.3	925.14	925.35	924.76	0	0	0
82016700	1987-03-14	924.66	924.89	924.3	925.12	925.35	924.76	0	0	0
82016700	1987-04-07	924.53	924.89	924.3	924.99	925.35	924.76	0	0	0
82016700	1987-04-22	924.42	924.89	924.3	924.88	925.35	924.76	0	0	0
82016700	1987-04-29	924.33	924.89	924.3	924.79	925.35	924.76	0	0	0
82016700	1987-05-20	924.21	924.89	924.3	924.67	925.35	924.76	0	0	0
82016700	1987-05-28	924.18	924.89	924.3	924.64	925.35	924.76	0	0	0
82016700	1987-06-11	923.97	924.89	924.3	924.41	925.35	924.76	0	0	0
82016700	1987-06-17	923.98	924.89	924.3	924.44	925.35	924.76	0	0	0
82016700	1987-06-25	923.84	924.89	924.3	924.3	925.35	924.76	0	0	0
82016700	1987-07-29	923.85	924.89	924.3	924.31	925.35	924.76	0	0	0
82016700	1987-07-03	923.81	924.89	924.3	924.27	925.35	924.76	0	0	0
82016700	1987-07-06	923.95	924.89	924.3	924.41	925.35	924.76	0	0	0
82016700	1987-07-10	923.86	924.89	924.3	924.32	925.35	924.76	0	0	0
82016700	1987-07-15	923.88	924.89	924.3	924.26	925.35	924.76	0	0	0
82016700	1987-07-19	923.8	924.89	924.3	924.23	925.35	924.76	0	0	0
82016700	1987-07-27	923.16	924.89	924.3	923.62	925.35	924.76	0	0	0
82016700	1987-07-20	923.77	924.89	924.3	923.23	925.35	924.76	0	0	0
82016700	1987-08-04	924.01	924.89	924.3	924.47	925.35	924.76	0	0	0
82016700	1987-08-12	924.01	924.89	924.3	924.47	925.35	924.76	0	0	0
82016700	1987-08-18	923.97	924.89	924.3	924.43	925.35	924.76	0	0	0
82016700	1987-08-25	923.84	924.89	924.3	924.3	925.35	924.76	0	0	0
82016700	1987-09-01	923.76	924.89	924.3	924.22	925.35	924.76	0	0	0
82016700	1987-09-09	923.66	924.89	924.3	924.12	925.35	924.76	0	0	0
82016700	1987-09-24	923.61	924.89	924.3	924.07	925.35	924.76	0	0	0
82016700	1987-10-02	923.52	924.89	924.3	923.98	925.35	924.76	0	0	0
82016700	1987-10-05	923.4	924.89	924.3	923.86	925.35	924.76	0	0	0
82016700	1987-10-13	923.24								

82016700	1988-06-23	922.56	924.89	924.3	923.02	925.35	924.76	0	0	0
82016700	1988-07-04	922.3	924.89	924.3	922.76	925.35	924.76	0	0	0
82016700	1988-07-07	922.03	924.89	924.3	922.49	925.35	924.76	0	0	0
82016700	1988-07-14	922.23	924.89	924.3	922.69	925.35	924.76	0	0	0
82016700	1988-07-17	922.11	924.89	924.3	922.57	925.35	924.76	0	0	0
82016700	1988-07-20	922.13	924.89	924.3	922.59	925.35	924.76	0	0	0
82016700	1988-07-26	922	924.89	924.3	922.46	925.35	924.76	0	0	0
82016700	1988-08-02	921.89	924.89	924.3	922.35	925.35	924.76	1	0	0
82016700	1988-08-03	922.12	924.89	924.3	922.58	925.35	924.76	0	0	0
82016700	1988-08-07	922.11	924.89	924.3	922.57	925.35	924.76	0	0	0
82016700	1988-08-14	922.09	924.89	924.3	922.55	925.35	924.76	0	0	0
82016700	1988-08-28	921.81	924.89	924.3	922.27	925.35	924.76	1	0	0
82016700	1988-09-06	921.72	924.89	924.3	922.18	925.35	924.76	1	0	0
82016700	1988-09-13	921.57	924.89	924.3	922.03	925.35	924.76	1	0	0
82016700	1988-09-20	921.69	924.89	924.3	922.15	925.35	924.76	1	0	0
82016700	1988-09-27	921.67	924.89	924.3	922.13	925.35	924.76	1	0	0
82016700	1988-10-04	921.53	924.89	924.3	921.99	925.35	924.76	1	0	0
82016700	1988-10-11	921.47	924.89	924.3	921.93	925.35	924.76	1	1	0
82016700	1988-10-18	921.4	924.89	924.3	921.86	925.35	924.76	1	1	0
82016700	1988-10-25	921.35	924.89	924.3	921.81	925.35	924.76	1	1	0
82016700	1988-11-05	921.35	924.89	924.3	921.81	925.35	924.76	1	1	0
82016700	1988-11-13	921.36	924.89	924.3	921.82	925.35	924.76	1	1	0
82016700	1989-01-18	921.45	924.89	924.3	921.91	925.35	924.76	1	1	0
82016700	1989-02-01	921.39	924.89	924.3	921.85	925.35	924.76	1	1	0
82016700	1989-02-15	921.43	924.89	924.3	921.89	925.35	924.76	1	1	0
82016700	1989-03-02	921.43	924.89	924.3	921.89	925.35	924.76	1	1	0
82016700	1989-03-20	921.59	924.89	924.3	922.05	925.35	924.76	1	0	0
82016700	1989-03-30	921.64	924.89	924.3	922.1	925.35	924.76	1	0	0
82016700	1989-04-05	921.65	924.89	924.3	922.11	925.35	924.76	1	0	0
82016700	1989-04-12	921.66	924.89	924.3	922.12	925.35	924.76	1	0	0
82016700	1989-04-19	921.55	924.89	924.3	922.01	925.35	924.76	1	0	0
82016700	1989-04-25	921.58	924.89	924.3	922.04	925.35	924.76	1	0	0
82016700	1989-05-04	921.7	924.89	924.3	922.16	925.35	924.76	1	0	0
82016700	1989-05-10	921.74	924.89	924.3	922.2	925.35	924.76	1	0	0
82016700	1989-05-17	921.67	924.89	924.3	922.13	925.35	924.76	1	0	0
82016700	1989-05-24	921.74	924.89	924.3	922.2	925.35	924.76	1	0	0
82016700	1989-05-31	921.66	924.89	924.3	922.12	925.35	924.76	1	0	0
82016700	1989-06-07	921.58	924.89	924.3	922.04	925.35	924.76	1	0	0
82016700	1989-06-14	921.61	924.89	924.3	922.07	925.35	924.76	1	0	0
82016700	1989-06-22	921.48	924.89	924.3	921.94	925.35	924.76	1	1	0
82016700	1989-06-28	921.51	924.89	924.3	921.97	925.35	924.76	1	0	0
82016700	1989-07-06	921.49	924.89	924.3	921.95	925.35	924.76	1	1	0
82016700	1989-07-12	921.4	924.89	924.3	921.86	925.35	924.76	1	1	0
82016700	1989-07-19	921.38	924.89	924.3	921.84	925.35	924.76	1	1	0
82016700	1989-07-25	921.26	924.89	924.3	921.72	925.35	924.76	1	1	0
82016700	1989-08-02	921.16	924.89	924.3	921.62	925.35	924.76	1	1	0
82016700	1989-08-09	921.02	924.89	924.3	921.48	925.35	924.76	1	1	0
82016700	1989-08-16	920.97	924.89	924.3	921.43	925.35	924.76	1	1	0
82016700	1989-08-30	921	924.89	924.3	921.46	925.35	924.76	1	1	0
82016700	1989-09-01	921.04	924.89	924.3	921.5	925.35	924.76	1	1	0
82016700	1989-09-08	921.01	924.89	924.3	921.47	925.35	924.76	1	1	0
82016700	1989-09-13	920.89	924.89	924.3	921.35	925.35	924.76	1	1	1
82016700	1989-09-20	920.84	924.89	924.3	921.3	925.35	924.76	1	1	1
82016700	1989-09-28	920.65	924.89	924.3	921.11	925.35	924.76	1	1	1
82016700	1989-10-06	920.52	924.89	924.3	920.98	925.35	924.76	1	1	1
82016700	1989-10-20	920.39	924.89	924.3	920.85	925.35	924.76	1	1	1
82016700	1989-10-30	920.43	924.89	924.3	920.89	925.35	924.76	1	1	1
82016700	1989-11-09	920.39	924.89	924.3	920.85	925.35	924.76	1	1	1
82016700	1989-11-30	920.17	924.89	924.3	920.63	925.35	924.76	1	1	1
82016700	1989-12-27	920.11	924.89	924.3	920.57	925.35	924.76	1	1	1
82016700	1990-01-09	920.1	924.89	924.3	920.56	925.35	924.76	1	1	1
82016700	1990-01-24	920.09	924.89	924.3	920.55	925.35	924.76	1	1	1
82016700	1990-02-07	920.04	924.89	924.3	920.5	925.35	924.76	1	1	1
82016700	1990-02-23	920.06	924.89	924.3	920.52	925.35	924.76	1	1	1
82016700	1990-03-16	920.43	924.89	924.3	920.89	925.35	924.76	1	1	1
82016700	1990-03-29	920.37	924.89	924.3	920.83	925.35	924.76	1	1	1
82016700	1990-04-05	920.36	924.89	924.3	920.82	925.35	924.76	1	1	1
82016700	1990-04-12	920.28	924.89	924.3	920.74	925.35	924.76	1	1	1
82016700	1990-04-18	920.22	924.89	924.3	920.68	925.35	924.76	1	1	1
82016700	1990-04-25	920.26	924.89	924.3	920.72	925.35	924.76	1	1	1
82016700	1990-05-02	920.34	924.89	924.3	920.78	925.35	924.76	1	1	1
82016700	1990-05-09	920.31	924.89	924.3	920.77	925.35	924.76	1	1	1
82016700	1990-05-17	920.26	924.89	924.3	920.72	925.35	924.76	1	1	1
82016700	1990-05-23	920.42	924.89	924.3	920.88	925.35	924.76	1	1	1
82016700	1990-05-30	920.4	924.89	924.3	920.86	925.35	924.76	1	1	1
82016700	1990-06-05	920.58	924.89	924.3	921.04	925.35	924.76	1	1	1
82016700	1990-06-13	920.67	924.89	924.3	921.13	925.35	924.76	1	1	1
82016700	1990-06-18	920.81	924.89	924.3	921.27	925.35	924.76	1	1	1
82016700	1990-06-20	920.76	924.89	924.3	921.22	925.35	924.76	1	1	1
82016700	1990-06-27	920.77	924.89	924.3	921.23	925.35	924.76	1	1	1
82016700	1990-06-28	920.83	924.89	924.3	921.29	925.35	924.76	1	1	1
82016700	1990-06-29	920.85	924.89	924.3	921.31	925.35	924.76	1	1	1
82016700	1990-07-05	920.76	924.89	924.3	921.22	925.35	924.76	1	1	1
82016700	1990-07-09	920.78	924.89	924.3	921.24	925.35	924.76	1	1	1
82016700	1990-08-10	920.63	924.89	924.3	921.09	925.35	924.76	1	1	1
82016700	1990-08-15	920.57	924.89	924.3	921.03	925.35	924.76	1	1	1
82016700	1990-08-22	920.67	924.89	924.3	921.13	925.35	924.76	1	1	1
82016700	1990-08-29	920.69	924.89	924.3	921.15	925.35	924.76	1	1	1
82016700	1990-09-04	920.68	924.89	924.3	921.14	925.35	924.76	1	1	1
82016700	1990-09-12	920.6	924.89	924.3	921.06	925.35	924.76	1	1	1
82016700	1990-09-19	920.47	924.89	924.3	920.93	925.35	924.76	1	1	1
82016700	1990-09-27	920.42	924.89	924.3	920.88	925.35	924.76	1	1	1
82016700	1990-10-03	920.37	924.89	924.3	920.83	925.35	924.76	1	1	1
82016700	1990-10-10	920.28	924.89	924.3	920.74	925.35	924.76	1	1	1
82016700	1990-10-17	920.24	924.89	924.3	920.7	925.35	924.76	1	1	1
82016700	1990-10-24	920.19	924.89	924.3	920.65	925.35	924.76	1	1	1
82016700	1990-10-31	92								

82016700	1991-02-27	919.96	924.89	924.3	920.42	925.35	924.76	1	1	1	1
82016700	1991-03-06	920.	924.89	924.3	920.46	925.35	924.76	1	1	1	1
82016700	1991-03-21	920.06	924.89	924.3	920.52	925.35	924.76	1	1	1	1
82016700	1991-04-03	920.2	924.89	924.3	920.66	925.35	924.76	1	1	1	1
82016700	1991-04-10	920.2	924.89	924.3	920.66	925.35	924.76	1	1	1	1
82016700	1991-04-16	920.37	924.89	924.3	920.83	925.35	924.76	1	1	1	1
82016700	1991-04-24	920.34	924.89	924.3	920.8	925.35	924.76	1	1	1	1
82016700	1991-05-01	920.38	924.89	924.3	920.84	925.35	924.76	1	1	1	1
82016700	1991-05-06	920.64	924.89	924.3	921.1	925.35	924.76	1	1	1	1
82016700	1991-05-08	920.66	924.89	924.3	921.12	925.35	924.76	1	1	1	1
82016700	1991-05-12	920.68	924.89	924.3	921.14	925.35	924.76	1	1	1	1
82016700	1991-05-17	920.69	924.89	924.3	921.15	925.35	924.76	1	1	1	1
82016700	1991-05-20	920.7	924.89	924.3	921.16	925.35	924.76	1	1	1	1
82016700	1991-05-23	920.77	924.89	924.3	921.23	925.35	924.76	1	1	1	1
82016700	1991-05-26	920.85	924.89	924.3	921.31	925.35	924.76	1	1	1	1
82016700	1991-05-28	920.98	924.89	924.3	921.44	925.35	924.76	1	1	1	1
82016700	1991-05-29	921.09	924.89	924.3	921.55	925.35	924.76	1	1	1	0
82016700	1991-05-31	921.17	924.89	924.3	921.63	925.35	924.76	1	1	1	0
82016700	1991-06-05	921.17	924.89	924.3	921.63	925.35	924.76	1	1	1	0
82016700	1991-06-12	921.14	924.89	924.3	921.6	925.35	924.76	1	1	1	0
82016700	1991-06-17	921.09	924.89	924.3	921.55	925.35	924.76	1	1	1	0
82016700	1991-06-24	921.08	924.89	924.3	921.54	925.35	924.76	1	1	1	0
82016700	1991-06-26	921.05	924.89	924.3	921.51	925.35	924.76	1	1	1	0
82016700	1991-07-01	921.2	924.89	924.3	921.66	925.35	924.76	1	1	1	0
82016700	1991-07-03	921.17	924.89	924.3	921.63	925.35	924.76	1	1	1	0
82016700	1991-07-07	921.14	924.89	924.3	921.6	925.35	924.76	1	1	1	0
82016700	1991-07-09	921.13	924.89	924.3	921.56	925.35	924.76	1	1	1	0
82016700	1991-07-10	921.09	924.89	924.3	921.55	925.35	924.76	1	1	1	0
82016700	1991-07-17	921.03	924.89	924.3	921.49	925.35	924.76	1	1	1	0
82016700	1991-07-24	921.05	924.89	924.3	921.51	925.35	924.76	1	1	1	0
82016700	1991-07-31	920.96	924.89	924.3	921.42	925.35	924.76	1	1	1	1
82016700	1991-08-08	921.11	924.89	924.3	921.57	925.35	924.76	1	1	1	0
82016700	1991-08-14	921.01	924.89	924.3	921.47	925.35	924.76	1	1	1	0
82016700	1991-08-22	920.95	924.89	924.3	921.41	925.35	924.76	1	1	1	1
82016700	1991-08-26	921.15	924.89	924.3	921.61	925.35	924.76	1	1	1	0
82016700	1991-08-28	921.12	924.89	924.3	921.58	925.35	924.76	1	1	1	0
82016700	1991-09-04	921.01	924.89	924.3	921.47	925.35	924.76	1	1	1	0
82016700	1991-09-09	921.3	924.89	924.3	921.76	925.35	924.76	1	1	1	0
82016700	1991-09-12	921.3	924.89	924.3	921.76	925.35	924.76	1	1	1	0
82016700	1991-09-13	921.33	924.89	924.3	921.79	925.35	924.76	1	1	1	0
82016700	1991-09-16	921.57	924.89	924.3	922.03	925.35	924.76	1	1	1	0
82016700	1991-09-18	921.46	924.89	924.3	921.92	925.35	924.76	1	1	1	0
82016700	1991-09-25	921.38	924.89	924.3	921.84	925.35	924.76	1	1	1	0
82016700	1991-10-02	921.33	924.89	924.3	921.79	925.35	924.76	1	1	1	0
82016700	1991-10-09	921.3	924.89	924.3	921.76	925.35	924.76	1	1	1	0
82016700	1991-10-16	921.21	924.89	924.3	921.67	925.35	924.76	1	1	1	0
82016700	1991-10-23	921.17	924.89	924.3	921.63	925.35	924.76	1	1	1	0
82016700	1991-10-30	921.28	924.89	924.3	921.74	925.35	924.76	1	1	1	0
82016700	1991-11-06	921.39	924.89	924.3	921.85	925.35	924.76	1	1	1	0
82016700	1991-11-20	921.47	924.89	924.3	921.93	925.35	924.76	1	1	1	0
82016700	1991-12-05	921.67	924.89	924.3	922.13	925.35	924.76	1	0	0	0
82016700	1991-12-19	921.76	924.89	924.3	922.22	925.35	924.76	1	0	0	0
82016700	1992-01-03	921.74	924.89	924.3	922.2	925.35	924.76	1	0	0	0
82016700	1992-01-14	921.82	924.89	924.3	922.28	925.35	924.76	1	0	0	0
82016700	1992-01-30	921.78	924.89	924.3	922.24	925.35	924.76	1	0	0	0
82016700	1992-02-12	921.78	924.89	924.3	922.24	925.35	924.76	1	0	0	0
82016700	1992-02-26	921.74	924.89	924.3	922.2	925.35	924.76	1	0	0	0
82016700	1992-03-13	921.95	924.89	924.3	922.41	925.35	924.76	1	0	0	0
82016700	1992-03-24	921.99	924.89	924.3	922.45	925.35	924.76	1	0	0	0
82016700	1992-04-14	922.07	924.89	924.3	922.53	925.35	924.76	0	0	0	0
82016700	1992-04-16	922.1	924.89	924.3	922.56	925.35	924.76	0	0	0	0
82016700	1992-05-01	922.23	924.89	924.3	922.69	925.35	924.76	0	0	0	0
82016700	1992-05-14	922.08	924.89	924.3	922.54	925.35	924.76	0	0	0	0
82016700	1992-05-20	922.06	924.89	924.3	922.52	925.35	924.76	0	0	0	0
82016700	1992-05-27	922.	924.89	924.3	922.46	925.35	924.76	0	0	0	0
82016700	1992-05-29	922.03	924.89	924.3	922.49	925.35	924.76	0	0	0	0
82016700	1992-06-03	921.96	924.89	924.3	922.42	925.35	924.76	1	0	0	0
82016700	1992-06-10	921.87	924.89	924.3	922.33	925.35	924.76	1	0	0	0
82016700	1992-06-15	921.82	924.89	924.3	922.28	925.35	924.76	1	0	0	0
82016700	1992-06-17	921.94	924.89	924.3	922.4	925.35	924.76	1	0	0	0
82016700	1992-06-22	921.88	924.89	924.3	922.34	925.35	924.76	1	0	0	0
82016700	1992-06-24	921.86	924.89	924.3	922.32	925.35	924.76	1	0	0	0
82016700	1992-06-30	921.78	924.89	924.3	922.24	925.35	924.76	1	0	0	0
82016700	1992-07-01	921.74	924.89	924.3	922.2	925.35	924.76	1	0	0	0
82016700	1992-07-02	922.04	924.89	924.3	922.5	925.35	924.76	0	0	0	0
82016700	1992-07-08	921.96	924.89	924.3	922.42	925.35	924.76	1	0	0	0
82016700	1992-07-12	922.1	924.89	924.3	922.38	925.35	924.76	0	0	0	0
82016700	1992-07-14	922.09	924.89	924.3	922.55	925.35	924.76	0	0	0	0
82016700	1992-07-15	922.06	924.89	924.3	922.53	925.35	924.76	0	0	0	0
82016700	1992-07-22	922.06	924.89	924.3	922.52	925.35	924.76	0	0	0	0
82016700	1992-07-29	921.97	924.89	924.3	922.43	925.35	924.76	1	0	0	0
82016700	1992-07-30	921.96	924.89	924.3	922.42	925.35	924.76	1	0	0	0
82016700	1992-08-05	921.92	924.89	924.3	922.38	925.35	924.76	1	0	0	0
82016700	1992-08-07	921.98	924.89	924.3	922.44	925.35	924.76	1	0	0	0
82016700	1992-08-10	921.97	924.89	924.3	922.43	925.35	924.76	1	0	0	0
82016700	1992-08-12	921.95	924.89	924.3	922.41	925.35	924.76	1	0	0	0
82016700	1992-08-14	921.92	924.89	924.3	922.38	925.35	924.76	1	0	0	0
82016700	1992-08-17	921.84	924.89	924.3	922.3	925.35	924.76	1	0	0	0
82016700	1992-08-19	921.89	924.89	924.3	922.35	925.35	924.76	1	0	0	0
82016700	1992-08-21	921.8	924.89	924.3	922.26	925.35	924.76	1	0	0	0
82016700	1992-08-26	921.84	924.89	924.3	922.3	925.35	924.76	1	0	0	0
82016700	1992-09-02	921.71	924.89	924.3							

82016700	1993-04-13	922.07	924.89	924.3	922.53	925.35	924.76	0	0	0
82016700	1993-04-29	922.07	924.89	924.3	922.53	925.35	924.76	0	0	0
82016700	1993-05-13	922.24	924.89	924.3	922.7	925.35	924.76	0	0	0
82016700	1993-05-19	922.21	924.89	924.3	922.67	925.35	924.76	0	0	0
82016700	1993-05-27	922.28	924.89	924.3	922.74	925.35	924.76	0	0	0
82016700	1993-06-03	922.42	924.89	924.3	922.88	925.35	924.76	0	0	0
82016700	1993-06-09	922.44	924.89	924.3	922.9	925.35	924.76	0	0	0
82016700	1993-06-16	922.54	924.89	924.3	923	925.35	924.76	0	0	0
82016700	1993-06-17	922.65	924.89	924.3	923.11	925.35	924.76	0	0	0
82016700	1993-06-24	922.78	924.89	924.3	923.24	925.35	924.76	0	0	0
82016700	1993-06-30	922.72	924.89	924.3	923.18	925.35	924.76	0	0	0
82016700	1993-07-07	922.99	924.89	924.3	923.45	925.35	924.76	0	0	0
82016700	1993-07-14	923.11	924.89	924.3	923.57	925.35	924.76	0	0	0
82016700	1993-07-21	923.06	924.89	924.3	923.52	925.35	924.76	0	0	0
82016700	1993-07-28	923	924.89	924.3	923.46	925.35	924.76	0	0	0
82016700	1993-07-29	922.97	924.89	924.3	923.43	925.35	924.76	0	0	0
82016700	1993-08-04	922.93	924.89	924.3	923.39	925.35	924.76	0	0	0
82016700	1993-08-11	923.28	924.89	924.3	923.74	925.35	924.76	0	0	0
82016700	1993-08-18	923.44	924.89	924.3	923.9	925.35	924.76	0	0	0
82016700	1993-08-25	923.39	924.89	924.3	923.85	925.35	924.76	0	0	0
82016700	1993-08-31	923.5	924.89	924.3	923.96	925.35	924.76	0	0	0
82016700	1993-09-08	923.32	924.89	924.3	923.78	925.35	924.76	0	0	0
82016700	1993-09-14	923.33	924.89	924.3	923.79	925.35	924.76	0	0	0
82016700	1993-09-21	923.36	924.89	924.3	923.82	925.35	924.76	0	0	0
82016700	1993-09-29	923.32	924.89	924.3	923.78	925.35	924.76	0	0	0
82016700	1993-10-07	923.26	924.89	924.3	923.72	925.35	924.76	0	0	0
82016700	1993-10-11	923.22	924.89	924.3	923.68	925.35	924.76	0	0	0
82016700	1993-10-21	923.22	924.89	924.3	923.68	925.35	924.76	0	0	0
82016700	1993-10-26	923.19	924.89	924.3	923.65	925.35	924.76	0	0	0
82016700	1993-11-03	923.1	924.89	924.3	923.56	925.35	924.76	0	0	0
82016700	1993-11-12	923.1	924.89	924.3	923.56	925.35	924.76	0	0	0
82016700	1993-11-13	923.17	924.89	924.3	923.63	925.35	924.76	0	0	0
82016700	1993-12-22	923.24	924.89	924.3	923.7	925.35	924.76	0	0	0
82016700	1994-01-05	923.23	924.89	924.3	923.69	925.35	924.76	0	0	0
82016700	1994-01-21	923.24	924.89	924.3	923.7	925.35	924.76	0	0	0
82016700	1994-02-01	923.27	924.89	924.3	923.73	925.35	924.76	0	0	0
82016700	1994-02-17	923.26	924.89	924.3	923.72	925.35	924.76	0	0	0
82016700	1994-03-02	923.31	924.89	924.3	923.77	925.35	924.76	0	0	0
82016700	1994-03-18	923.29	924.89	924.3	923.75	925.35	924.76	0	0	0
82016700	1994-03-30	923.3	924.89	924.3	923.76	925.35	924.76	0	0	0
82016700	1994-04-15	923.39	924.89	924.3	923.85	925.35	924.76	0	0	0
82016700	1994-05-04	923.93	924.89	924.3	924.39	925.35	924.76	0	0	0
82016700	1994-05-13	923.9	924.89	924.3	924.36	925.35	924.76	0	0	0
82016700	1994-05-23	923.86	924.89	924.3	924.32	925.35	924.76	0	0	0
82016700	1994-06-02	923.79	924.89	924.3	924.25	925.35	924.76	0	0	0
82016700	1994-06-07	923.86	924.89	924.3	924.32	925.35	924.76	0	0	0
82016700	1994-06-15	923.78	924.89	924.3	924.24	925.35	924.76	0	0	0
82016700	1994-06-23	923.73	924.89	924.3	924.19	925.35	924.76	0	0	0
82016700	1994-06-29	923.59	924.89	924.3	924.05	925.35	924.76	0	0	0
82016700	1994-07-06	923.64	924.89	924.3	924.1	925.35	924.76	0	0	0
82016700	1994-07-13	923.54	924.89	924.3	924	925.35	924.76	0	0	0
82016700	1994-07-20	923.58	924.89	924.3	924.04	925.35	924.76	0	0	0
82016700	1994-07-27	923.49	924.89	924.3	923.95	925.35	924.76	0	0	0
82016700	1994-08-03	923.4	924.89	924.3	923.86	925.35	924.76	0	0	0
82016700	1994-08-10	923.35	924.89	924.3	923.81	925.35	924.76	0	0	0
82016700	1994-08-17	923.27	924.89	924.3	923.73	925.35	924.76	0	0	0
82016700	1994-08-24	923.25	924.89	924.3	923.71	925.35	924.76	0	0	0
82016700	1994-08-31	923.21	924.89	924.3	923.67	925.35	924.76	0	0	0
82016700	1994-09-07	923.2	924.89	924.3	923.66	925.35	924.76	0	0	0
82016700	1994-09-14	923.22	924.89	924.3	923.68	925.35	924.76	0	0	0
82016700	1994-09-21	923.23	924.89	924.3	923.69	925.35	924.76	0	0	0
82016700	1994-09-28	923.15	924.89	924.3	923.61	925.35	924.76	0	0	0
82016700	1994-10-05	923.17	924.89	924.3	923.63	925.35	924.76	0	0	0
82016700	1994-10-06	923.18	924.89	924.3	923.64	925.35	924.76	0	0	0
82016700	1994-10-12	923.23	924.89	924.3	923.69	925.35	924.76	0	0	0
82016700	1994-10-13	923.21	924.89	924.3	923.67	925.35	924.76	0	0	0
82016700	1994-10-21	923.21	924.89	924.3	923.67	925.35	924.76	0	0	0
82016700	1994-10-28	923.43	924.89	924.3	923.89	925.35	924.76	0	0	0
82016700	1994-11-09	923.3	924.89	924.3	923.84	925.35	924.76	0	0	0
82016700	1994-11-16	923.27	924.89	924.3	923.73	925.35	924.76	0	0	0
82016700	1994-11-23	923.38	924.89	924.3	923.84	925.35	924.76	0	0	0
82016700	1994-11-30	923.3	924.89	924.3	923.76	925.35	924.76	0	0	0
82016700	1994-12-09	923.25	924.89	924.3	923.71	925.35	924.76	0	0	0
82016700	1994-12-15	923.27	924.89	924.3	923.73	925.35	924.76	0	0	0
82016700	1994-12-28	923.27	924.89	924.3	923.73	925.35	924.76	0	0	0
82016700	1995-01-12	923.25	924.89	924.3	923.71	925.35	924.76	0	0	0
82016700	1995-01-27	923.28	924.89	924.3	923.74	925.35	924.76	0	0	0
82016700	1995-02-06	923.21	924.89	924.3	923.67	925.35	924.76	0	0	0
82016700	1995-03-10	923.23	924.89	924.3	923.69	925.35	924.76	0	0	0
82016700	1995-03-24	923.37	924.89	924.3	923.83	925.35	924.76	0	0	0
82016700	1995-04-07	923.53	924.89	924.3	923.99	925.35	924.76	0	0	0
82016700	1995-04-13	923.57	924.89	924.3	924.03	925.35	924.76	0	0	0
82016700	1995-04-20	923.73	924.89	924.3	924.19	925.35	924.76	0	0	0
82016700	1995-04-20	923.14	924.89	924.3	924.2	925.35	924.76	0	0	0
82016700	1995-04-26	923.74	924.89	924.3	924.27	925.35	924.76	0	0	0
82016700	1995-04-27	923.76	924.89	924.3	924.22	925.35	924.76	0	0	0
82016700	1995-05-03	923.73	924.89	924.3	924.19	925.35	924.76	0	0	0
82016700	1995-05-04	923.72	924.89	924.3	924.18	925.35	924.76	0	0	0
82016700	1995-05-10	923.73	924.89	924.3	924.19	925.35	924.76	0	0	0
82016700	1995-05-11	923.73	924.89	924.3	924.19	925.35	924.76	0	0	0
82016700	1995-05-17	923.76	924.89	924.3	924.22	925.35	924.76	0	0	0
82016700	1995-05-18	923.75	924.89	924.3	924.21	925.35	924.76	0	0	0
82016700	1995-05-24	923.69	924.89	924.3	924.15	925.35	924.76	0	0	0
82016700	1995-05-25	923.66	924.89	924.3	924.12	925.35	924.76	0	0	0
82016700	1995-06-01	923.82	924.89	924.3	924.28	925.35	924.76	0	0	0
82016700	1995-06-01	923.8	924.89	924.3	924.26	925.35	924.76	0	0	0
82016700	1995-06-07	923.87</td								

82016700	2007-08-21	921.8	924.89	924.3	922.26	925.35	924.76	1	0	0
82016700	2007-08-27	921.86	924.89	924.3	922.32	925.35	924.76	1	0	0
82016700	2007-09-06	921.86	924.89	924.3	922.32	925.35	924.76	1	0	0
82016700	2007-09-13	921.7	924.89	924.3	922.16	925.35	924.76	1	0	0
82016700	2007-09-18	921.7	924.89	924.3	922.16	925.35	924.76	1	0	0
82016700	2007-09-19	921.79	924.89	924.3	922.25	925.35	924.76	1	0	0
82016700	2007-09-28	921.87	924.89	924.3	922.33	925.35	924.76	1	0	0
82016700	2007-10-04	921.96	924.89	924.3	922.42	925.35	924.76	1	0	0
82016700	2007-10-16	922.1	924.89	924.3	922.56	925.35	924.76	0	0	0
82016700	2007-10-18	922.14	924.89	924.3	922.6	925.35	924.76	0	0	0
82016700	2007-10-25	922.12	924.89	924.3	922.58	925.35	924.76	0	0	0
82016700	2007-10-31	922.06	924.89	924.3	922.52	925.35	924.76	0	0	0
82016700	2007-11-14	921.9	924.89	924.3	922.36	925.35	924.76	1	0	0
82016700	2007-11-20	921.87	924.89	924.3	922.33	925.35	924.76	1	0	0
82016700	2008-01-28	921.79	924.89	924.3	922.25	925.35	924.76	1	0	0
82016700	2008-02-27	921.71	924.89	924.3	922.17	925.35	924.76	1	0	0
82016700	2008-04-17	922.05	924.89	924.3	922.51	925.35	924.76	0	0	0
82016700	2008-04-30	922.27	924.89	924.3	922.73	925.35	924.76	0	0	0
82016700	2008-05-16	922.49	924.89	924.3	922.95	925.35	924.76	0	0	0
82016700	2008-05-20	922.3	924.89	924.3	922.76	925.35	924.76	0	0	0
82016700	2008-05-23	922.42	924.89	924.3	922.88	925.35	924.76	0	0	0
82016700	2008-05-28	922.39	924.89	924.3	922.85	925.35	924.76	0	0	0
82016700	2008-06-06	922.58	924.89	924.3	923.04	925.35	924.76	0	0	0
82016700	2008-06-12	922.6	924.89	924.3	923.06	925.35	924.76	0	0	0
82016700	2008-06-17	922.53	924.89	924.3	922.99	925.35	924.76	0	0	0
82016700	2008-06-20	922.52	924.89	924.3	922.98	925.35	924.76	0	0	0
82016700	2008-06-25	922.41	924.89	924.3	922.87	925.35	924.76	0	0	0
82016700	2008-07-03	922.29	924.89	924.3	922.75	925.35	924.76	0	0	0
82016700	2008-07-10	922.24	924.89	924.3	922.7	925.35	924.76	0	0	0
82016700	2008-07-15	922.2	924.89	924.3	922.66	925.35	924.76	0	0	0
82016700	2008-07-17	922.18	924.89	924.3	922.64	925.35	924.76	0	0	0
82016700	2008-07-24	922.19	924.89	924.3	922.65	925.35	924.76	0	0	0
82016700	2008-07-29	922.12	924.89	924.3	922.58	925.35	924.76	0	0	0
82016700	2008-08-07	921.97	924.89	924.3	922.43	925.35	924.76	1	0	0
82016700	2008-08-14	921.88	924.89	924.3	922.34	925.35	924.76	1	0	0
82016700	2008-08-14	921.88	924.89	924.3	922.34	925.35	924.76	1	0	0
82016700	2008-08-15	921.88	924.89	924.3	922.34	925.35	924.76	1	0	0
82016700	2008-08-19	921.8	924.89	924.3	922.26	925.35	924.76	1	0	0
82016700	2008-08-22	921.77	924.89	924.3	922.23	925.35	924.76	1	0	0
82016700	2008-08-28	921.72	924.89	924.3	922.18	925.35	924.76	1	0	0
82016700	2008-09-04	921.57	924.89	924.3	922.03	925.35	924.76	1	0	0
82016700	2008-09-11	921.5	924.89	924.3	921.96	925.35	924.76	1	0	0
82016700	2008-09-16	921.5	924.89	924.3	921.96	925.35	924.76	1	0	0
82016700	2008-09-19	921.49	924.89	924.3	921.95	925.35	924.76	1	1	0
82016700	2008-09-29	921.42	924.89	924.3	921.88	925.35	924.76	1	1	0
82016700	2008-10-07	921.36	924.89	924.3	921.82	925.35	924.76	1	1	0
82016700	2008-10-17	921.32	924.89	924.3	921.78	925.35	924.76	1	1	0
82016700	2008-10-21	921.28	924.89	924.3	921.74	925.35	924.76	1	1	0
82016700	2008-10-21	921.29	924.89	924.3	921.75	925.35	924.76	1	1	0
82016700	2008-10-31	921.18	924.89	924.3	921.64	925.35	924.76	1	1	0
82016700	2008-11-12	921.19	924.89	924.3	921.65	925.35	924.76	1	1	0
82016700	2008-11-18	921.16	924.89	924.3	921.62	925.35	924.76	1	1	0
82016700	2008-12-26	921.15	924.89	924.3	921.61	925.35	924.76	1	1	0
82016700	2009-01-22	921.12	924.89	924.3	921.58	925.35	924.76	1	1	0
82016700	2009-02-25	921.07	924.89	924.3	921.53	925.35	924.76	1	1	0
82016700	2009-03-27	921.24	924.89	924.3	921.7	925.35	924.76	1	1	0
82016700	2009-04-28	921.06	924.89	924.3	921.52	925.35	924.76	1	1	0
82016700	2009-05-07	921.06	924.89	924.3	921.52	925.35	924.76	1	1	0
82016700	2009-05-19	920.92	924.89	924.3	921.28	925.35	924.76	1	1	1
82016700	2009-05-20	920.83	924.89	924.3	921.29	925.35	924.76	1	1	1
82016700	2009-05-28	920.7	924.89	924.3	921.16	925.35	924.76	1	1	1
82016700	2009-06-04	920.58	924.89	924.3	921.04	925.35	924.76	1	1	1
82016700	2009-06-05	920.56	924.89	924.3	921.02	925.35	924.76	1	1	1
82016700	2009-06-08	920.61	924.89	924.3	921.07	925.35	924.76	1	1	1
82016700	2009-06-11	920.58	924.89	924.3	921.04	925.35	924.76	1	1	1
82016700	2009-06-16	920.52	924.89	924.3	920.98	925.35	924.76	1	1	1
82016700	2009-06-18	920.62	924.89	924.3	921.08	925.35	924.76	1	1	1
82016700	2009-06-24	920.59	924.89	924.3	921.05	925.35	924.76	1	1	1
82016700	2009-07-02	920.46	924.89	924.3	920.92	925.35	924.76	1	1	1
82016700	2009-07-09	920.36	924.89	924.3	920.82	925.35	924.76	1	1	1
82016700	2009-07-17	920.15	924.89	924.3	920.61	925.35	924.76	1	1	1
82016700	2009-07-21	920.13	924.89	924.3	920.59	925.35	924.76	1	1	1
82016700	2009-07-22	920.23	924.89	924.3	920.69	925.35	924.76	1	1	1
82016700	2009-08-07	920.12	924.89	924.3	920.58	925.35	924.76	1	1	1
82016700	2009-08-14	920.12	924.89	924.3	920.58	925.35	924.76	1	1	1
82016700	2009-08-18	920.01	924.89	924.3	920.47	925.35	924.76	1	1	1
82016700	2009-08-21	920.32	924.89	924.3	920.78	925.35	924.76	1	1	1
82016700	2009-08-28	920.36	924.89	924.3	920.82	925.35	924.76	1	1	1
82016700	2009-09-02	920.28	924.89	924.3	920.74	925.35	924.76	1	1	1
82016700	2009-09-11	920.16	924.89	924.3	920.62	925.35	924.76	1	1	1
82016700	2009-09-15	920.11	924.89	924.3	920.57	925.35	924.76	1	1	1
82016700	2009-09-17	920.11	924.89	924.3	920.56	925.35	924.76	1	1	1
82016700	2009-09-23	920.01	924.89	924.3	920.47	925.35	924.76	1	1	1
82016700	2009-09-29	919.94	924.89	924.3	920.4	925.35	924.76	1	1	1
82016700	2009-10-08	920.12	924.89	924.3	920.58	925.35	924.76	1	1	1
82016700	2009-10-15	920.12	924.89	924.3	920.58	925.35	924.76	1	1	1
82016700	2009-10-20	919.89	924.89	924.3	920.35	925.35	924.76	1	1	1
82016700	2009-10-23	920.11	924.89	924.3	920.57	925.35	924.76	1	1	1
82016700	2009-10-29	920.16	924.89	924.3	920.62	925.35	924.76	1	1	1
82016700	2009-11-05	920.18	924.89	924.3	920.64	925.35	924.76	1	1	1
82016700	2009-11-10	920.14	924.89	924.3	920.6	925.35	924.76	1	1	1
82016700	2009-11-19	920.09	924.89	924.3	920.55	925.35	924.76	1	1	1
82016700	2009-11-25	920.09	924.89	924.3	920.55	925.35	924.76	1	1	1
82016700	2009-12-01	920.06	924.89	924.3	920.52	925.35	924.76	1	1	1
82016700	2010-01-11	920.26	924.89	924.3	920.72	925.35	924.76	1	1	1
82016700	2010-02-03	920.17	924.89	924.3	920.63	925.35	924.76	1	1	1
82016700	2010-03-01									

82016700	2010-07-30	919.94	924.89	924.3	920.4	925.35	924.76	1	1	1	1
82016700	2010-08-02	919.92	924.89	924.3	920.38	925.35	924.76	1	1	1	1
82016700	2010-08-06	919.88	924.89	924.3	920.34	925.35	924.76	1	1	1	1
82016700	2010-08-08	919.87	924.89	924.3	920.33	925.35	924.76	1	1	1	1
82016700	2010-08-13	919.99	924.89	924.3	920.45	925.35	924.76	1	1	1	1
82016700	2010-08-20	919.82	924.89	924.3	920.28	925.35	924.76	1	1	1	1
82016700	2010-08-23	919.8	924.89	924.3	920.26	925.35	924.76	1	1	1	1
82016700	2010-08-27	919.7	924.89	924.3	920.16	925.35	924.76	1	1	1	1
82016700	2010-08-27	919.71	924.89	924.3	920.17	925.35	924.76	1	1	1	1
82016700	2010-08-31	919.7	924.89	924.3	920.16	925.35	924.76	1	1	1	1
82016700	2010-09-08	919.65	924.89	924.3	920.11	925.35	924.76	1	1	1	1
82016700	2010-09-15	919.58	924.89	924.3	920.04	925.35	924.76	1	1	1	1
82016700	2010-09-22	919.6	924.89	924.3	920.06	925.35	924.76	1	1	1	1
82016700	2010-09-24	919.8	924.89	924.3	920.26	925.35	924.76	1	1	1	1
82016700	2010-09-29	919.77	924.89	924.3	920.23	925.35	924.76	1	1	1	1
82016700	2010-09-30	919.77	924.89	924.3	920.23	925.35	924.76	1	1	1	1
82016700	2010-10-08	919.66	924.89	924.3	920.12	925.35	924.76	1	1	1	1
82016700	2010-10-10	919.66	924.89	924.3	920.12	925.35	924.76	1	1	1	1
82016700	2010-10-15	919.48	924.89	924.3	919.94	925.35	924.76	1	1	1	1
82016700	2010-10-16	919.46	924.89	924.3	919.92	925.35	924.76	1	1	1	1
82016700	2010-10-21	919.38	924.89	924.3	919.84	925.35	924.76	1	1	1	1
82016700	2010-10-27	919.46	924.89	924.3	919.92	925.35	924.76	1	1	1	1
82016700	2010-11-12	919.34	924.89	924.3	919.8	925.35	924.76	1	1	1	1
82016700	2010-11-13	919.33	924.89	924.3	919.79	925.35	924.76	1	1	1	1
82016700	2010-12-02	919.46	924.89	924.3	919.92	925.35	924.76	1	1	1	1
82016700	2011-01-26	919.72	924.89	924.3	920.18	925.35	924.76	1	1	1	1
82016700	2011-02-23	919.76	924.89	924.3	920.22	925.35	924.76	1	1	1	1
82016700	2011-03-18	919.7	924.89	924.3	920.16	925.35	924.76	1	1	1	1
82016700	2011-04-06	920.02	924.89	924.3	920.48	925.35	924.76	1	1	1	1
82016700	2011-04-14	920.06	924.89	924.3	920.52	925.35	924.76	1	1	1	1
82016700	2011-04-27	920.21	924.89	924.3	920.67	925.35	924.76	1	1	1	1
82016700	2011-05-04	920.27	924.89	924.3	920.73	925.35	924.76	1	1	1	1
82016700	2011-05-10	920.36	924.89	924.3	920.82	925.35	924.76	1	1	1	1
82016700	2011-05-12	920.37	924.89	924.3	920.83	925.35	924.76	1	1	1	1
82016700	2011-05-18	920.34	924.89	924.3	920.8	925.35	924.76	1	1	1	1
82016700	2011-05-24	920.5	924.89	924.3	921.03	925.35	924.76	1	1	1	1
82016700	2011-06-30	920.57	924.89	924.3	921.08	925.35	924.76	1	1	1	1
82016700	2011-07-08	920.53	924.89	924.3	920.99	925.35	924.76	1	1	1	1
82016700	2011-07-14	920.54	924.89	924.3	921	925.35	924.76	1	1	1	1
82016700	2011-07-18	920.78	924.89	924.3	921.24	925.35	924.76	1	1	1	1
82016700	2011-07-27	920.84	924.89	924.3	921.3	925.35	924.76	1	1	1	1
82016700	2011-07-27	920.81	924.89	924.3	921.27	925.35	924.76	1	1	1	1
82016700	2011-07-30	920.8	924.89	924.3	921.26	925.35	924.76	1	1	1	1
82016700	2011-07-31	920.88	924.89	924.3	921.34	925.35	924.76	1	1	1	1
82016700	2011-08-01	920.99	924.89	924.3	921.45	925.35	924.76	1	1	1	1
82016700	2011-08-02	920.98	924.89	924.3	921.44	925.35	924.76	1	1	1	1
82016700	2011-08-04	920.96	924.89	924.3	921.42	925.35	924.76	1	1	1	1
82016700	2011-08-05	920.96	924.89	924.3	921.42	925.35	924.76	1	1	1	1
82016700	2011-08-07	920.95	924.89	924.3	921.41	925.35	924.76	1	1	1	1
82016700	2011-08-10	920.85	924.89	924.3	921.31	925.35	924.76	1	1	1	1
82016700	2011-08-15	920.84	924.89	924.3	921.3	925.35	924.76	1	1	1	1
82016700	2011-08-17	921.13	924.89	924.3	921.59	925.35	924.76	1	1	1	0
82016700	2011-08-17	921.11	924.89	924.3	921.57	925.35	924.76	1	1	1	0
82016700	2011-08-17	921.14	924.89	924.3	921.6	925.35	924.76	1	1	1	0
82016700	2011-08-17	921.13	924.89	924.3	921.59	925.35	924.76	1	1	1	0
82016700	2011-08-18	921.11	924.89	924.3	921.57	925.35	924.76	1	1	1	0
82016700	2011-08-22	921.07	924.89	924.3	921.53	925.35	924.76	1	1	1	0
82016700	2011-08-24	921.06	924.89	924.3	921.52	925.35	924.76	1	1	1	0
82016700	2011-08-25	921.03	924.89	924.3	921.49	925.35	924.76	1	1	1	0
82016700	2011-08-31	920.96	924.89	924.3	921.42	925.35	924.76	1	1	1	1
82016700	2011-09-06	920.88	924.89	924.3	921.34	925.35	924.76	1	1	1	1
82016700	2011-09-08	920.85	924.89	924.3	921.31	925.35	924.76	1	1	1	1
82016700	2011-09-09	920.84	924.89	924.3	921.29	925.35	924.76	1	1	1	1
82016700	2011-09-13	920.76	924.89	924.3	921.22	925.35	924.76	1	1	1	1
82016700	2011-09-21	920.61	924.89	924.3	921.07	925.35	924.76	1	1	1	1
82016700	2011-09-21	920.6	924.89	924.3	921.06	925.35	924.76	1	1	1	1
82016700	2011-09-30	920.55	924.89	924.3	921.01	925.35	924.76	1	1	1	1
82016700	2011-10-04	920.49	924.89	924.3	920.95	925.35	924.76	1	1	1	1
82016700	2011-10-10	920.38	924.89	924.3	920.84	925.35	924.76	1	1	1	1
82016700	2011-10-12	920.43	924.89	924.3	920.89	925.35	924.76	1	1	1	1
82016700	2011-10-13	920.47	924.89	924.3	920.93	925.35	924.76	1	1	1	1
82016700	2011-10-13	920.46	924.89	924.3	920.92	925.35	924.76	1	1	1	1
82016700	2011-10-21	920.32	924.89	924.3	920.78	925.35	924.76	1	1	1	1
82016700	2011-10-26	920.28	924.89	924.3	920.74	925.35	924.76	1	1	1	1
82016700	2011-11-01	920.24	924.89	924.3	920.7	925.35	924.76	1	1	1	1
82016700	2011-11-03	920.22	924.89	924.3	920.68	925.35	924.76	1	1	1	1
82016700	2011-11-08	920.16	924.89	924.3	920.62	925.35	924.76	1	1	1	1
82016700	2011-11-09	920.15	924.89	924.3	920.61	925.35	924.76	1	1	1	1
82016700	2011-11-17	920.09	924.89	924.3	920.55	925.35	924.76	1	1	1	1
82016700	2011-12-13	919.94	924.89	924.3	920.4	925.35	924.76	1	1	1	1
82016700	2012-01-06	919.91	924.89	924.3	920.37	925.35	924.76	1	1	1	1
82016700	2012-02-24	919.71	924.89	924.3	920.17	925.35	924.76	1	1	1	1
82016700	2012-03-20	920.17	924.89	924.3	920.63	925.35	924.76	1	1	1	1
82016700	2012-04-04	920.18	924.89	924.3	920.64	925.35	924.76	1	1	1	1
82016700	2012-04-04	920.2	924.89	924.3	920.66	925.35	924.76	1	1	1	1
82016700	2012-04-12	920.1	924.89	924.3	920.56	925.35	924.76	1	1	1	1
82016700	2012-04-20	920.2	924.89	924.3	920.66	925.35	924.76	1	1	1	1
82016700	2012-04-26	920.23	924.89	924.3	920.69	925.35	924.76	1	1	1	1
82016700	2012-05-02	920.24	924.89	924.3	920.7	925.35	924.76	1	1	1	1
82016700	2012-05-03	920.3	924.89	924.3	920.76	925.35	924.76	1	1	1	1
82016700	2012-05-03	920.25	924.89	924.3	920.71	925.35	924.76	1	1	1	1
82016700	2012-05-07	920.41	924.89	924.3							

82016700	2025-06-29	923.21	924.89	924.3	923.67	925.35	924.76	0	0	0
82016700	2025-06-30	923.23	924.89	924.3	923.69	925.35	924.76	0	0	0
82016700	2025-07-01	923.23	924.89	924.3	923.69	925.35	924.76	0	0	0
82016700	2025-07-02	923.22	924.89	924.3	923.68	925.35	924.76	0	0	0
82016700	2025-07-03	923.22	924.89	924.3	923.68	925.35	924.76	0	0	0
82016700	2025-07-04	923.21	924.89	924.3	923.67	925.35	924.76	0	0	0
82016700	2025-07-05	923.20	924.89	924.3	923.66	925.35	924.76	0	0	0

Records > 922.46
Recorded Days Total - this is not days total below, only record days

797	579	411
3899	3899	3899
20%	15%	11%

Minimum

919.30
919.30

Days

15887
43.5

15887

15887

Years
43.5

43.5
43.5

Avg Days/year

18.3
13.3

Maximum

926.10
926.10

1988-92 Days

1304
295

1009

622

295
682

77%
48%

77%
23%

52%
52%