





Annual Surveillance Report January 2023 to December 2023 for Santiago Creek Dam

DSOD Dam No. 75-000

Unincorporated Orange County, California

Submitted to:
Irvine Water District
Dams & Storage
15600 Sand Canyon Avenue
Irvine, CA 92618



Prepared by:
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July 3, 2024
GEI Project No. 1901888

GEI Consultants

Consulting Engineers and Scientists

July 3, 2024
GEI Project No. 1901888

Ms. Danielle Drake,
Assistant Engineer – Dams & Storage
Irvine Ranch Water District
15600 Sand Canyon Avenue
Irvine, CA 92618

Re: Santiago Creek Dam, DSOD Dam No. 75-000,
Annual Surveillance Report from January 2023 to December 2023

Dear Ms. Drake:

GEI Consultants, Inc. (GEI) is pleased to submit this Annual Surveillance Report for Santiago Creek Dam covering the period from January 2023 to December 2023. This report is part of the scope of work described under our Professional Service Agreement between Irvine Ranch Water District (District) and GEI Consultants Inc. (GEI) dated February 11, 2019.

We appreciate this opportunity to provide the District with our services. Please contact Emerson Revolorio at erevolorio@geiconsultants.com or Rich Sanchez at rsanchez@geiconsultants.com with any questions.

Sincerely,

GEI CONSULTANTS, INC.



Richard Sanchez, P.E.
Principal Engineer



Emerson Revolorio, P.E.
Project Engineer

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CNC Survey Report

Instrumentation Maintenance

Acronyms and Abbreviations

AF	acre-feet
BM	Bench Mark
District	Irvine Ranch Water District
Districts	Irvine Ranch Water District and Serrano Water District
DSOD	State of California, Department of Water Resources, Division of Safety of Dams
CNC	CNC Engineering
El, EL, Elev	elevation
E(+)/W(-)	East-West
ft	feet
GEI	GEI Consultants, Inc.
gpm	gallons per minute
H:V	horizontal to vertical
ILP	Irvine Lake Pipeline
NAVD 88	National American Vertical Datum of 1988
NGS	National Geodetic Survey
NGVD 29	National Geodetic Vertical Datum of 1929
No.	number
NOAA	National Oceanic and Atmospheric Administration
N(+)/S(-)	North-South
P.E.	Professional Engineer
Piez	Piezometer
Ref.	Reference
W.S.	Water Surface
YR	year

1.0 Introduction and Background

1.1 General

This report presents the results of the dam safety monitoring and surveillance program for Santiago Creek Dam conducted by the Irvine Ranch Water District and the Serrano Water District (Districts), and GEI Consultants, Inc. (GEI) between January 2023 and December 2023. Irvine Ranch Water District and Serrano Water District jointly own and operate the dam and reservoir. The term "Districts" is used when referring to both responsible parties. This report includes a review of previous surveillance reports, a compilation of the field measurements, maintenance reports, observations, and conclusions related to the general condition and safety of the dam. In addition, recommendations are provided for continued operation, surveillance, and monitoring of the dam. This report is submitted as part of the jurisdictional requirements of the State of California, Department of Water Resources, Division of Safety of Dams (DSOD).

Table 2 presents field measurements of piezometer water levels and reservoir water surface elevations since 2007. Table 3 presents elevations of Benchmark BM-0 and Survey Monuments BM-1 through BM-5 since 1989. Table 4 presents net horizontal displacements since 1994 for Survey Monuments BM-1 through BM-5, both in the North-South and East-West Directions.

Figures 2 through 7 are graphs representing piezometer levels and reservoir water surface elevations for the 2-year period between January 2022 and December 2023. Figures 8 through 13 are graphs representing the historical piezometer levels and reservoir water surface elevations. Figures 14 and 15 represent the elevations of the survey monuments at the dam. Figure 16 represents the historical net horizontal displacements for the survey monuments in the North-South direction, while Figure 17 represents the historical net horizontal displacements for the survey monuments in the East-West direction. The historical plots reflect long-term trends and overall performance of the dam and reservoir. The use of long-term and short-term plots help to identify any adverse trends or significant deviations more easily in the data.

In July 2002, a survey was performed to determine the vertical conversion factor from the original construction datum to the National American Vertical Datum of 1988 (NAVD 88). That survey showed that a vertical conversion factor of 1.90 feet is to be added to elevations from the original construction datum to obtain NAVD 88 elevations. Although the original construction datum had been assumed to be North Geodetic Vertical Datum of 1929 (NGVD 29), the 1.90-foot vertical conversion factor is to be used in place of the National Oceanic and Atmospheric Administration (NOAA) National Geodetic Survey (NGS) online program “VERTCON” used previously to convert elevations, since there is no confirmation that the original construction datum was NGVD 29. Therefore, elevations referenced to the original construction datum are indicated simply as "construction datum" (AECOM, 2016).

1.2 Dam and Reservoir

Santiago Creek Dam is a rolled and compacted earthfill dam that was completed in 1933 on Santiago Creek and Limestone Wash. The dam is 136 feet high with a dam crest length of 1,425 feet and a crest width of 10 feet. The crest of the dam is at Elevation 810.0 feet (construction datum) or Elevation 811.9 feet (NAVD 88). All elevations presented in this report are referenced to NAVD 88 unless "construction datum" is noted. Figure 1 depicts the general plan view of the dam, spillway, and outlet tower. The upstream face has a slope of 1.5:1 (Horizontal:Vertical) above Elevation of 799.4 feet, and 2.5:1 below Elevation of 799.4 feet. The downstream face has a slope of 1.5:1 above Elevation 791.9 feet, and 2:1 below Elevation of 791.9 feet. As used in this report, the left and right designations are as viewed looking downstream.

The dam is reported as being founded on bedrock for the upstream one-third of the dam, beneath the imperious upstream zone and on alluvium under the central and downstream shell area (Figures 1B–1D).

As documented in *"Dams within the Jurisdiction of the State of California"* (DSOD, 2000), the reservoir has a drainage area of 63.1 square miles, a reservoir area of 650 acres, and a storage capacity of 25,000 acre-feet at the spillway crest.

The Certificate of Approval issued by DSOD authorizes the effective spillway crest to be raised by four feet using stoplogs to Elevation 794 feet (construction datum) between April 1 through September 30 of each year. Currently the Districts are operating the reservoir under an interim restriction Elevation of 762.5 (construction datum) to mitigate the potential of future spillway usage and the potential of damage prior to fixing the spillway.

A reservoir caretaker's house is located above and away from the right abutment of the dam. A rain gauge is located near the caretaker's house.

1.3 Spillway

The open-channel spillway is located on the left abutment of the dam. The spillway crest is at Elevation of 790.0 feet (construction datum) or Elevation 791.9 feet (NAVD 88), providing 20 feet of total freeboard. The reinforced-concrete spillway consists of an approach apron, control ogee structure, chute, and flip-bucket. According to a report by AECOM (2016), the spillway was extensively modified in late 1969 and/or early 1970 after being damaged by high spillway discharges from the February 1969 flood event. The original waste channel and lower chute were removed due to damage, and the flip-bucket was added at the end of the remaining chute. A portion of the left wall of the original spillway channel was left in place immediately downstream of the flip-bucket on the right abutment.

There is an 8-foot-deep concrete cutoff wall at the upstream end of the spillway (Spillway Station 0+00), and shallower cutoffs at Spillway Stations 1+05, 2+00, 2+75, and 3+10. A subdrain system consisting of a tile drain surrounded by stone was placed downstream of the cutoff at Spillway Station 0+00, upstream of the other cutoffs, and was daylighted through the spillway chute at Spillway Station 3+14.

1.4 Outlet Works

The outlet works consists of a 135-foot-high circular reinforced concrete outlet tower with gated intakes at eight different elevations spaced at 10 feet intervals, a reinforced concrete-encased 60-inch welded steel outlet conduit, and a downstream control house where reservoir discharges can be released in the event of an emergency. The lower four intake gates have been inoperable due to siltation for more than 30 years. The remaining intake gates are operable. The outlet conduit is 592 feet long and it splits near the downstream toe of the dam into a 36-inch diameter main pipe and a 30-inch diameter emergency release pipe (blowoff). Water moving through the outlet conduit is controlled by the main valve located in the control house which is normally kept open to supply water through the Irvine Lake Pipeline (ILP) to the Districts' customers. The emergency release pipe (blowoff) is controlled by a diverter valve, which is normally kept closed. It can be opened in an emergency to release water into the streambed immediately downstream of the control house.

The District operated the outlet gate valves at the outlet tower, and downstream valves at the control house and emergency blowoff valve during the inspection. The District provided a Reservoir Dam Valve Exercising summary table which states the outlet gate valves at elevations 750, 740, 730 and 720 feet and downstream outlet valves were exercised on 8/1/2023. The table is provided in the Appendix of this report.

2.0 Field Measurements

2.1 General

There are currently 22 open-well piezometers, one benchmark and five survey monuments being monitored at Santiago Creek Dam. District personnel measure the piezometric levels in the piezometers and the reservoir water level weekly and immediately following significant seismic events. The benchmark and survey monuments have been typically surveyed annually by a licensed surveyor under contract with the District. Precipitation is measured at an on-site rain gauge. Any seepage through the dam or its foundation are through the alluvial materials and not measured. Figure 1 is a site and instrumentation plan showing the layout of the dam and appurtenances, as well as the locations of the piezometers and survey monuments. Throughout this report, instrumentation measurements and readings that remained within historical limits and followed historical trends will be classified as normal. Historical limit is classified as the range between maximum and minimum water levels within the past ten years.

Based on the ten-year historical data from January 2013 through December 2023, the reservoir water surface elevation varied from a minimum Elevation of 735.6 feet to a maximum Elevation of 779.9 feet. During the 2023 review period, the reservoir water surface elevation varied from a minimum Elevation of 745.6 feet to a maximum Elevation of 779.9 feet (12-feet below the spillway crest). The reservoir elevations that were read on the same dates as the piezometers are included in Table 2 that covers the period from January 2007 to December 2023. The reservoir water level has been below Elevation 762 feet since May 2020. During the review period the reservoir water level was above Elevation 762 feet between mid-February and mid-November.

Starting in December 2022, there was a significant increase in rainfall compared to previous years. The largest rainfall occurred between January and March with readings ranging from 3.0 to 6.5 inches per month. A large rainfall event also occurred in August 2023, which recorded 2.0 inches of rain during the month. Based on historical data, August is typically a dry month with little to no rain. Rainfall data is included in Table 2 and Figures 2 through 13.

2.2 Piezometers

An open-well piezometer is a small-diameter well used mainly to measure piezometric water levels within subgrades. It is typically installed as a casing in a vertical borehole and has a discrete perforated zone near its bottom to enable monitoring of changes in groundwater levels within that zone. More than one piezometer can be installed within a single, larger-diameter borehole. These groups of piezometers are often referred to as multi-stage or nested piezometers. The tip of each piezometer is placed at its own discrete depth interval. The borehole is filled with

permeable sandy material across the vertical zone corresponding to the sensing zone of the piezometer.

The 22 open-well piezometers being monitored at Santiago Creek Dam are labeled as R-1 Upper-Middle-Lower, R-2 Upper-Middle-Lower, R-3 Upper-Middle-Lower, R-4 Upper-Lower, R-5 Upper-Lower, R-6 Upper-Lower, R-7 Upper-Lower, No. 1, No. 2, No. 3, No. 4 and No. 5. The seven piezometers R-1 through R-7 with an "Upper", "Middle", or "Lower" designation are nested piezometers. Piezometers No. 1 and No. 2 were installed in 1964, while Piezometers No. 3, No. 4, and No. 5 were installed in 2011. Piezometers R-1 through R-6 were installed in 1969, while Piezometer R-7 was installed in 1990.

On 10/19/2022, IRWD contracted Genterra to cleanout piezometers R-5 Lower, R-7 Upper and R-3 Middle. The District provided the maintenance report to GEI to include in the 2023 annual report. Further details of the maintenance work are described below in section 2.2.1.

The piezometric water levels in the piezometers were generally measured on a weekly basis during the current 2023 review period. Figures 2 through 7 are plots representing the piezometer levels and reservoir water surface levels during the past two years (January 2022 through December 2023), while Figures 8 through 13 are plots representing the historical piezometer water levels and reservoir levels since 2013. Table 2 lists piezometer water levels data since 2007. The top elevations of the monitored piezometers were surveyed on May 21, 2012, and Table 3 lists the pre and post May 2012 survey of the top elevations and the new total depth of each piezometer. According to the 2015 Annual Surveillance Report by AECOM (2016), maintenance work was conducting during 2015 on selected piezometers to clear possible blockage due to several abnormal readings.

Table 1 maximum and minimum water levels recorded during the current review period, as well as the historical range for each piezometer. Outlier readings with isolated spikes or drops were omitted and were not included in the maximum and minimum water level range.

Table 1. Piezometers – Maximum and Minimum Water Level Ranges

Piezometer	Tip Elevation (ft)	2012-2022 Range (ft)	2023 Range (ft)	Comment
R-1 Upper	733.4	733.8 - 735.9	733.4 - 733.9	
R-1 Middle	701.4	702.0 - 707.2	701.5 - 702.2	
R-1 Lower	669.9	687.7 - 700.3	687.6 - 690.5	
R-2 Upper	711.7	711.7 - 726.5	--	Water levels have been reported below the record bottom of well elevation.
R-2 Middle	670.2	670.2 - 673.3	670.9 - 671.4	
R-2 Lower	654.7	666.0 - 668.4	666.1 - 667.1	
R-3 Upper	737.5	736.1 - 738.6	737.9 - 738.2	
R-3 Middle	690.0	751.0 - 752.6	750.9 - 751.0	
R-3 Lower	676.0	676.0 - 676.9	676.0 - 676.7	Water levels have been reported near the record bottom of well or below the record bottom of well elevation. The piezometer is considered dry.
R-4 Upper	667.1	684.9 - 701.0	685.2 - 686.6	
R-4 Lower	655.6	661.4 - 667.2	663.4 - 665.1	
R-5 Upper	676.9	677.0 - 681.8	--	All water levels have been reported at the record bottom of well elevation. Verified as dry during inspection.
R-5 Lower	654.4	691.9 - 716.3	698.5 - 726.8	Readings reported from 3/15/2023 to 3/29/2023 were above the historical max by 10.5 ft.
R-6 Upper	700.0	700.0 - 723.2	700.0 - 710.0	Water levels have been reported near the record bottom of well or below the record bottom of well elevation.
R-6 Lower	674.5	675.6 - 681.7	675.3 - 681.6	
R-7 Upper	677.2	677.2 - 682.3	679.3 - 679.7	
R-7 Lower	664.7	664.7 - 669.8	667.6 - 667.8	
No. 1	695.3	700.8 - 722.5	700.8 - 706.5	
No. 2	677.7	677.7 - 680.4	679.5 - 680.9	Readings reported from 3/1/2023 to 3/29/2023 were above the historical max by 0.5 ft.
No. 3	654.0	657.8 - 660.5	658.3 - 664.8	Readings reported from 3/1/2023 to 3/29/2023 were above the historical max by 4.3 ft.
No. 4	654.0	660.1 - 663.4	660.3 - 664.0	Readings reported from 3/15/2023 to 3/29/2023 were above the historical max by 0.6 ft.
No. 5	655.5	663.3 - 667.9	664.3 - 665.1	

Piezometer R-1 is located on the dam crest near Station 6+00. Figures 2 and 8 represent the 2-year and the historical water levels measured in piezometers R-1 Upper, R-1 Middle, and R-1 Lower. Piezometer R-1 Upper, installed in the pervious shell material, had slight fluctuations but readings mostly stayed near the tip elevation. Piezometer R-1 Middle has its tip near the base of the pervious shell material, while piezometer R-1 Lower was installed in the underlying alluvial foundation. Piezometer R-1 Middle had a slight response to the increase in reservoir water level during the review period. The water level in piezometer R-1 Lower fluctuated 2.9 feet during the 2023 period. Historically, piezometer R-1 Lower fluctuates slightly with reservoir water level changes.

Piezometer R-2 is located on the dam crest near Station 2+50. Figures 3 and 9 represent the 2-year and the historical piezometric levels measured in Piezometers R-2 Upper, R-2 Middle, and R-2 Lower. Piezometer R-2 Upper was installed in the previous shell material and was dry during the review period. Piezometer R-2 Middle was installed near the interface of the dam embankment and alluvium foundation; the water level during the 2023

period was consistent with past historic levels. Piezometer R-2 Lower was installed in the foundation bedrock; the water level for this piezometer fluctuated 1 ft between maximum and minimum piezometric levels during the 2023 period and was within past historic limits.

Piezometer R-3 is located on the dam crest near the right abutment at approximately Station 9+50. Figures 4 and 10 represent the 2-year and the historical piezometric levels measured in piezometers R-3 Upper, R-3 Middle, and R-3 Lower. The 2012 R-3 Upper readings that were recorded above the reservoir level are considered erroneous; this piezometer has been dry historically. Piezometer R-3 Upper is installed in terrace materials in the right abutment and had a slight response to the increase in reservoir water level during the review period. Piezometer R-3 Middle was also installed in terrace materials and its water level remained essentially at Elevation 751 ft throughout the review period which is within historic levels. This piezometer has historically recorded levels above the reservoir stage. Genterra attempted to clean out the piezometer during the 2022 review period and stated that they believe the slotted section is clogged. Based on the recent cleaning and the readings during the review period, we believe that piezometer R-3 Middle has some blockage or a bend in the standpipe. Further details are provided in section 2.2.1. Piezometer R-3 Lower was installed in the foundation bedrock; the level for this piezometer varied from dry to 0.7 ft throughout the review period and was within historic measurements.

Piezometer R-4 is located on the downstream bench of the dam, downstream of piezometer R-2. Figures 3 and 9 represent the 2-year and the historical water levels measured in piezometers R-4 Upper and R-4 Lower. Piezometer R-4 Upper was installed in foundation alluvium and was cleaned in July 2015, resulting in the water levels in this piezometer to drop by approximately 10 ft. After the cleaning, the water levels in piezometer R-4 Upper remained between an elevation of 682 ft and 686 ft. The piezometer had a slight response to the reservoir water level and remained within historical ranges during the review period. Piezometer R-4 Lower is installed in the underlying bedrock and had a slight fluctuation and remained within historical ranges.

Piezometer R-5 is located on the downstream bench of the dam, downstream of piezometer R-1. Figures 2 and 8 represent the 2-year and the historical water levels measured in piezometers R-5 Upper and R-5 Lower. Piezometer R-5 Upper was installed near the embankment alluvium foundation interface and it was verified as dry during the review period. Piezometer R-5 Lower was installed in bedrock. Based on a review of historical data, the piezometer is showing reaction to changes in the reservoir level. This piezometer has been bailed in the past due to potential blockage and for the last ten years the levels are now fluctuating above and below elevation 710 ft depending on the reservoir level (Figure 8). R-5 lower was unsuccessfully cleaned out by Genterra in 2022. Based on their evaluation, the piezometer should be abandoned due to providing unreliable readings. More details of the maintenance work is provided in section 2.2.1.

Piezometer R-6 is located on the dam crest near Station 5+00. Figures 5 and 11 represent the 2-year and the historical water levels measured in piezometers R-6 Upper and R-6 Lower. Piezometer R-6 Upper is installed in the pervious shell material. Due to the 2015 cleaning of this piezometer, the level for the last 5 years has been consistent near elevation 700 ft. During the review period the piezometer responded to the increase in reservoir water level. Piezometer R-6 Lower was installed in the alluvial bedrock foundation interface. The water level fluctuated 6.3 feet between maximum and minimum during the 2023 review period. These levels are within historical ranges.

Piezometer R-7 is located on the downstream bench of the dam at approximately Station 3+50. Figures 6 and 12 represent the 2-year and the historical piezometric levels measured in Piezometers R-7 Upper and R-7 Lower. Piezometer R-7 Upper was installed in the pervious shell alluvial foundation interface. It was reported that the Districts performed maintenance cleaning and re-sounded the bottom of piezometer R-7 Upper to confirm the bottom elevation in 2017. Genterra also cleaned out piezometer R-7 Upper in 2022 and believes it restored functionality. The water level in this piezometer fluctuated 0.4 feet between maximum and minimum during the 2023 review period. These levels and variation are consistent with past measurements for this piezometer. Piezometer R-7 Lower was installed in the underlying bedrock. The water level in piezometer R-7 Lower only fluctuated 0.2 ft during the 2023 review period. Historically, measured levels in this piezometer showed slight fluctuations to changes in the reservoir.

Piezometer No. 1 is located on the dam crest near Station 4+00, while piezometer No. 2 is located at the downstream toe of the dam, downstream of piezometer No. 1. Piezometer No. 1 was installed in the lower section of the pervious shell material, while piezometer No. 2 was installed in the foundation alluvium. Figures 6 and 12 represent the 2-year and the historical water levels measured in piezometers No. 1 and No. 2. The piezometric level in piezometer No. 1 responded to the reservoir water surface elevation during the 2023 review period. The level in piezometer No. 2 remained at approximately 680 feet during the 2023 report and historically has shown slight response to the reservoir water surface elevation changes.

Piezometers No. 3, No. 4, and No. 5 are 2-inch-diameter piezometers that were installed along the downstream toe of the dam in 2011 in boreholes that had been drilled during the investigation into the alluvial deposits below the dam's foundation as part of the liquefaction evaluation performed by the Districts. Figures 7 and 13 represent the 2-year and the historical water levels measured in piezometers No. 3, No. 4 and No. 5. During the 2023 review period, all three piezometers showed a slight response to the changes in the reservoir water surface elevation. Piezometer No. 5 was within historical levels and piezometers No. 3 and No. 4 had slight increases above their historical levels (Figure 13). The Districts performed maintenance cleaning of Piezometer No. 3 in 2017 resulting in no significant changes to the post 2017 piezometric levels.

Based on GEI's review, the piezometers responded to the increase in reservoir water surface level based on the year's increase rainfall. Though many piezometers had slight increases, the water levels remained normal and consistent with historical levels. There are no indications of any adverse conditions at the dam embankment, abutments, or foundation. The data confirms the well-drained conditions within the dam which is also confirmed by the lack of any evidence of seepage at the dam.

2.2.1 Maintenance

Genterra performed maintenance cleaning of piezometers R-5 Lower, R-7 Upper and R-3 Middle on 10/19/2022 and 10/20/2022. Genterra provided the following conclusions:

- Genterra believes that the maintenance cleaning was not successful to restore the functionality of Piezometer R-5 Lower. Based on an existing bend in the standpipe and a significant amount of accumulated sediment inside the standpipe, it would be very challenging to remove accumulated sediment. Piezometer should be abandoned (can't be abandoned because R-5 Upper is in same hole) or readings should stop being taken to avoid misleading data.
- Piezometer R-7 Upper cleaning was successful and restored functionality. The piezometer was dry.
- Piezometer R-3 Middle was bailed and flushed multiple times and water in the standpipe continued to drain very slowly. Genterra believes the slotted section in Piezometer R-3 Middle is clogged to some extent. The piezometer should be monitored over the next several months to evaluate any difference in the piezometer's performance.

Details of the instrumentation maintenance work are provided in the Memorandums in the Appendix.

2.3 Survey Movements

There is a total of five survey monuments (BM-1 through BM-5) and one benchmark (BM-0) being monitored at Santiago Creek Dam. The survey monuments' elevations and net horizontal displacements are typically measured annually. Benchmark BM-0 is located on the right abutment of the dam. Survey Monuments BM-1, BM-2 and BM-3 are located along the crest of the dam. Survey Monument BM-4 is located on the right side of the bridge walkway over the spillway. Survey Monument BM-5 is located on the left side of the bridge walkway over the spillway. Figure 1 shows the locations of the survey monuments and benchmark.

Surveys of the monuments' elevations along with a determination of the net horizontal displacements of the survey monuments for the 2023 review period were performed on 12/6/2023. The survey report is provided in the Appendix of this report. Graphical plots

representing the survey monuments' elevations since 1989 are presented in Figures 14 and 15. Table 3 lists the elevation data of the survey monuments since 1989.

Surveys to measure the net horizontal displacements of the survey monuments began in 1994. Graphical plots representing the monuments' net horizontal displacements since 1994 are presented in Figures 16 and 17. Table 4 lists the monuments' net horizontal displacement data since 1994.

The vertical movement data (Table 3) of the survey monuments indicates settlement at less than ¾-inch since 1989. The net horizontal displacements in the north-south and west-east directions for BM-1 through BM-4 has been less than 0.4 inch since 1994. Based on the data it appears ambient temperatures and the different reservoir water levels during the surveys could be attributing to the slight variations in the survey measurements. The net horizontal displacement for BM-5 was up to approximately 0.9 inch in the upstream direction since 1994. Based on the historical graph (Figure 17) there is a small incremental trend of movement for BM-5 in the upstream. This small movement could be partially attributed to the left abutment sloughing of weathered material in the vicinity of this monument. This small amount of movement will be monitored and is not considered a problem at this time, especially considering the Districts are moving forward with plans for a major rehabilitation of the spillway, including addressing the left abutment sloughing, in the coming years.

Based on GEI's review of the historical data, the horizontal and vertical movements are minimal and within acceptable tolerances. There are no significant movements or signs of instability.

3.0 Field Evaluations

3.1 Field Evaluation on July 11, 2023

A field evaluation and inspection were performed by Emerson Revolorio and Kody Vandervort of GEI, Cristina Rodriguez, Steve Habiger, Ryan Tran, Michael Brungardt, and Tinh Nguyen of Irvine Ranch Water District, and Steve Sweeney from Serrano Water District on July 11, 2023. The reservoir level was reported to be at Elevation 776.8 and 15.1 feet below the spillway crest. Weather conditions were warm and sunny with temperature in the low 70s in the morning and mid-80s in the afternoon. Photos taken by GEI are included in the Appendix of this report.

3.1.1 Dam

The crest of dam, downstream toe area, sections of the upstream and downstream slopes, right abutment area, and groin areas were walked and appeared to be similar to the conditions observed during the December 2022 inspection, see Photos 1-6. The dam crest, slopes, right abutment area, and groin areas did not have any unusual signs of instability or movement. The upstream slope concrete lining had long standing temperature shrinkage cracking and needs to be monitored annually. During the inspection, GEI observed vegetation growing in cracks and between the panel joints of the upstream slope concrete liner, see Photos 1 and 3. Serrano Water Districted reported that they will clear the vegetation within the next month. GEI observed completed boreholes along the dam crest and downstream bench from a recently completed geotechnical investigation by AECOM for the dam modification project, see Photo 7. The District has continued to mow the grass cover and remove the brush and small trees along the dam downstream face and right abutment area, see Photos 2, 4, 5 and 6. The right abutment area and both downstream groin areas were inspected, and no unusual conditions were seen. The downstream toe area of the dam was walked, and no unusual signs were seen. The downstream face and toe of the dam did not have any signs of seepage or wet spots. GEI observed minor rodent activity at the downstream face of the dam, see Photo 8. During the inspection, GEI discovered little to no poison in the rodent control feeder boxes throughout the dam. IRWD reported that they are limited to the amount of poison they can add to the environment. Currently, IRWD is utilizing carbon monoxide as an effective treatment for ground squirrel control. IRWD still has black feeder control stations for rats and mice near the dam caretake houses and other IRWD facilities. The rock knob between the dam and spillway had no signs of movement or instability. The sloughing sediment from the left abutment at the spillway had been cleared, see Photo 9.

GEI observed previously completed concrete patch work by Serrano Water District on the spillway approach and upstream dam face concrete panels, with some areas needing further patching, see Photo 10.

GEI checked the piezometer readings at R-5 Upper, R-5 Lower, R-6 Upper, and R-6 Lower. Readings followed historical trends.

3.1.2 Spillway

The reinforced concrete spillway bridge, approach, and chute were walked and inspected, see Photos 11-13. The spillway was clear. Completed boreholes from a recent geotechnical investigation by GEI for the design phase of the spillway replacement project were observed near the spillway. The new spillway will address the overall concerns with the aging structure. There are various localized concrete areas especially on the bridge parapets and approach that require concrete repairs. The spillway drains at the end of the chute were dry. The Districts are operating the reservoir under an interim restriction (Elevation 762.5) to mitigate the potential of future spillway spills and the potential of damage prior to fixing the spillway.

3.1.3 Outlet Works

The energy dissipator structure appeared clear with no structural deficiencies, see Photo 14. The outlet tower was not accessed during this inspection, so a detailed evaluation was not conducted. The exposed areas of the outlet tower concrete were in adequate condition as viewed from the spillway, see Photo 15. The outlet gate valves, downstream valves, and emergency blowoff valves were not exercised during the inspection. According to the Reservoir Dam Valve Exercising table provided by the District, the valves were last exercised on 8/1/2023.

3.1.4 Seepage

No seepage or wet spots were seen on the downstream slope or toe area of the dam. There is no seepage collection system for this dam. The alluvium foundation acts as a drain blanket for the dam.

4.0 Conclusions and Recommendations

4.1 Conclusions

1) Based on the review of available instrumentation data and the field inspection, the dam does not appear to have signs of structural deficiencies, seepage, and instability.

2) Starting in December 2022, there was a significant increase in rainfall compared to previous years. The largest rainfall occurred between January and March with readings ranging from 3.0 to 6.5 inches per month. A large rainfall event also occurred in August 2023, which recorded 2.0 inches of rain during the month. Based on historical data, August is typically a dry month with little to no rain.

3) Based on GEI's review, the piezometers responded to the increase in reservoir water surface level based on the year's increase rainfall. Though many piezometers had slight increases, the water levels remained normal and consistent with historical levels.

4) Overgrown vegetation was observed growing in the cracks of the upstream slope concrete liner and between the concrete panel joints. Serrano Water District reported that they will clear the vegetation within the next month.

5) The upstream slope concrete lining had long standing temperature shrinkage cracking.

6) IRWD is continuing with rodent control measures. IRWD is currently utilizing carbon monoxide as an effective treatment for ground squirrel control. IRWD still has black feeder control stations for rats and mice near the dam caretake houses and other IRWD facilities.

7) The sloughing sediment from the left abutment at the spillway had been cleared.

8) GEI checked the piezometer readings at R-5 Upper, R-5 Lower, R-6 Upper, and R-6 Lower. Readings appear to be following historical trends.

9) Based on the recent cleaning and the readings during the review period, we believe that piezometer R-3 Middle has some blockage or a bend in the standpipe.

10) Genterra was unsuccessful in cleaning out piezometer R-5 and was not able to restore the functionality of the piezometer. Based on an existing bend in the standpipe and a significant amount of accumulated sediment inside the standpipe, it would be very challenging to remove accumulated sediment.

11) The energy dissipator structure was clear with no visible structural deficiencies seen.

12) The exposed portions of outlet tower concrete appeared to be in adequate condition. No significant cracking or unusual surface conditions were seen. The outlet tower access ladder is corroded. The outlet tower will be removed as part of the spillway and outlet works improvement project.

13) GEI observed concrete patch work along the spillway approach and upstream dam face concrete panels, with some areas needing further patching.

14) Horizontal and vertical movement appears to be minimal and consistent with historical data and trends; with the exception of BM 5 which indicates a slow but small upstream continued movement, see Figure 16 and 17. GEI believes this movement is attributed to the sloughing of the left abutment material.

15) The spillway is considered to be in poor to fair condition requiring several repairs that the Districts are aware of and are in the process of implementing a large spillway rehabilitation project.

4.2 Recommendations

1) The District should continue collaborating with pest management companies to determine most effective treatment options in controlling rodent activity. In addition, the District should continue collapsing, backfilling, and compacting rodent holes with surrounding material as an ongoing maintenance item throughout the dam.

2) Remove vegetation in the cracks and panel joints of the upstream slope concrete surface.

3) Monitor the temperature shrinkage cracking in the upstream slope concrete lining annually and continue to patch cracking as needed.

4) Continue to cut down all small trees and brush growing on the downstream slope and toe area of the dam before they become overgrown.

5) The Districts should continue with localized repairs of spillway concrete cracks and spalled areas as required considering the Districts are moving forward with a major spillway rehabilitation project that is currently under development. This would include the left abutment sloughing next to the spillway approach and the undercutting/erosion at the downstream end of the spillway chute.

6) Continue monitoring Piezometer R-3 Middle to evaluate if the recent cleaning improved the performance of the piezometer.

7) The District should stop taking readings at piezometer R-5 Lower since it is providing unreliable data and cannot be abandoned because R-5 Upper is in the same hole.

8) During normal inspection and operation of the dam and its appurtenances, the Districts' personnel to observe the condition of the dam and appurtenances, looking for any signs of distress, instability, or movement, increased seepage, or other unusual conditions, and continue ensuring the Santiago Creek Dam facilities are fully functional. Any unusual observations should be reported immediately to the Dam Safety Engineer.

9) GEI recommends continuing following IRWD's Dam Safety Program Guidelines after a 4.0 earthquake.

Santiago Creek Dam Action Item Summary

Item	Location	Maintenance	Measures
Rodent activity	Throughout dam	Active rodent holes and lack of poison in rodent control feeder boxes	The District should continue collaborating with pest management companies to determine most effective treatment options in controlling rodent activity. In addition, the District should continue collapsing, backfilling, and compacting rodent holes with surrounding material as an ongoing maintenance item throughout the dam.
Movement Surveys	Throughout dam	Need additional information	Provide reservoir elevation, air temperature and weather conditions for each survey.
Small trees and brush	Downstream Face	Vegetation	Continue to remove.
Piezometer R-3 Middle	Dam crest	Unreliable readings	Continue monitoring to evaluate if the recent cleaning improved the performance of the piezometer.
Piezometer R-5 Lower	Downstream Bench	Unreliable readings	Stop taking readings.
Concrete lining	Upstream slope	Long standing temperature shrinkage cracking	Monitor annually.
Concrete lining	Upstream slope	Vegetation in cracks and panel joints	Remove vegetation.

5.0 Limitations

This report presents observations made, conclusions drawn, and opinions formed from (1) a visual inspection of Santiago Creek Dam and its appurtenant structures, and (2) a review of instrumentation data, including piezometer levels, survey data and seepage rates, collected by the Districts. The purpose of the inspection and review is to assess the safety of the structure for continuing operation. Reuse of this report for any other purposes, in part or in whole, is at the sole risk of the user.

In the context intended above, the term "safety" is interpreted to be restricted specifically to major structural and control features of the project in regard to their adequacy against possible catastrophic failure due to natural or operational events. No consideration is given herein to those public safety aspects related to voluntary occupancy or use of project features in such manner as to result in personal mishaps.

The undersigned who performed the inspection and reviewed the instrumentation data and prepared this report, desire that it be clearly understood that the conclusions regarding the condition and safety of the dam and related facilities are not guaranteed but do represent our best judgment. Inevitably, such judgment must be recognized to be affected to an uncertain degree by the practical limitations that affect all dam evaluations, relative principally to approximate knowledge of the existing properties of the structures and their foundations, the potential for storm or seismic damage, and the uncertainties that are known to exist in estimating margins of report represents the results of our surveillance program for Santiago Creek Dam, covering safety.

The conclusions and professional opinions presented herein were developed by GEI Consultants, Inc. for the Irvine Ranch Water District and Serrano Water District in accordance with generally accepted engineering principles and practices. We make no other warranty, either expressed or implied.

6.0 References

AECOM, 2016, 2015 Annual Surveillance Report for Santiago Creek Dam, No. 75-000, Orange County, California; by AECOM; dated April 21, 2016.

California Department of Water Resources, Division of Safety of Dams (DSOD), 200, Dams Within Jurisdiction of the State of California, Bulletin 17-00; by DSOD; date July 2000.

DSOD, Inspection of Dam and Reservoir in Certified Status October 20, 2020.

Tables

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-1 Upper		R-1 Middle		R-1 Lower		R-2 Upper	
Top Ref. Elev. (ft)			811.500		811.500		811.500		811.900	
Top Ref. Elev. (ft) After 5/21/2012			811.405		811.425		811.380		811.675	
Tip Elev. (ft)			733.405		701.425		669.880		711.675	
Total Depth (ft)			78.0		110.0		141.5		100.0	
Total Depth (ft) After 5/21/2012			78.0		110.0		141.5		100.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-1U		R-1M		R-1L		R-2U	
1/10/2007	749.70		77.50	734.00	109.20	702.30	117.40	694.10	100.00	711.90
1/19/2007	749.40		77.50	734.00	109.20	702.30	117.40	694.10	100.00	711.90
1/29/2007	749.60		77.50	734.00	109.20	702.30	117.40	694.10	100.00	711.90
2/7/2007	750.00		77.50	734.00	109.20	702.30	117.60	693.90	100.00	711.90
2/16/2007	750.20		77.50	734.00	109.20	702.30	117.70	693.80	100.00	711.90
2/26/2007	750.60		77.50	734.00	109.20	702.30	118.00	693.50	100.00	711.90
3/6/2007	751.70		77.50	734.00	109.20	702.30	118.10	693.40	100.00	711.90
3/17/2007	755.10		77.50	734.00	109.20	702.30	118.40	693.10	100.00	711.90
3/25/2007	756.30		77.50	734.00	109.20	702.30	118.40	693.10	100.00	711.90
4/6/2007	760.00		77.50	734.00	109.20	702.30	118.50	693.00	100.00	711.90
4/16/2007	762.90		77.50	734.00	109.20	702.30	118.50	693.00	100.00	711.90
4/27/2007	767.10		77.50	734.00	109.20	702.30	118.50	693.00	100.00	711.90
5/9/2007	766.80		77.50	734.00	109.20	702.30	118.50	693.00	100.00	711.90
5/19/2007	764.80		77.50	734.00	109.20	702.30	118.60	692.90	100.00	711.90
5/29/2007	762.80		77.50	734.00	109.20	702.30	118.70	692.80	100.00	711.90
6/8/2007	761.20		77.50	734.00	109.20	702.30	118.60	692.90	100.00	711.90
6/18/2007	759.90		77.50	734.00	109.20	702.30	118.60	692.90	100.00	711.90
6/28/2007	758.10		77.50	734.00	109.20	702.30	118.80	692.70	100.00	711.90
7/10/2007	756.70		77.50	734.00	109.20	702.30	119.00	692.50	100.00	711.90
7/19/2007	755.80		77.50	734.00	109.20	702.30	119.10	692.40	100.00	711.90
7/30/2007	754.90		77.50	734.00	109.20	702.30	119.20	692.30	100.00	711.90
8/11/2007	754.40		77.50	734.00	109.20	702.30	119.20	692.30	100.00	711.90
8/22/2007	753.80		77.50	734.00	109.20	702.30	119.20	692.30	100.00	711.90
8/30/2007	753.30		77.50	734.00	109.20	702.30	119.20	692.30	100.00	711.90
9/7/2007	753.20		77.50	734.00	109.20	702.30	119.20	692.30	100.00	711.90
9/18/2007	753.00		77.50	734.00	109.20	702.30	119.20	692.30	100.00	711.90
9/27/2007	753.60		77.50	734.00	109.20	702.30	119.20	692.30	100.00	711.90

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

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JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-1 Upper		R-1 Middle		R-1 Lower		R-2 Upper	
Top Ref. Elev. (ft)			811.500		811.500		811.500		811.900	
Top Ref. Elev. (ft) After 5/21/2012			811.405		811.425		811.380		811.675	
Tip Elev. (ft)			733.405		701.425		669.880		711.675	
Total Depth (ft)			78.0		110.0		141.5		100.0	
Total Depth (ft) After 5/21/2012			78.0		110.0		141.5		100.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-1U		R-1M		R-1L		R-2U	
10/8/2007	754.90		77.50	734.00	109.20	702.30	119.20	692.30	100.00	711.90
10/17/2007	756.20		77.50	734.00	109.20	702.30	119.20	692.30	100.00	711.90
10/30/2007	757.80		77.50	734.00	109.20	702.30	119.40	692.10	100.00	711.90
11/9/2007	759.60		77.50	734.00	109.20	702.30	119.20	692.30	100.00	711.90
11/19/2007	763.60		77.50	734.00	109.20	702.30	119.20	692.30	100.00	711.90
11/28/2007	766.50		77.50	734.00	109.20	702.30	119.40	692.10	100.00	711.90
12/8/2007	768.70		77.50	734.00	109.20	702.30	119.60	691.90	100.00	711.90
12/18/2007	768.50		77.50	734.00	109.20	702.30	119.70	691.80	100.00	711.90
12/28/2007	769.30		77.50	734.00	109.20	702.30	119.90	691.60	100.00	711.90
1/9/2008	770.50		77.50	734.00	109.20	702.30	119.90	691.60	100.00	711.90
1/19/2008	770.30		77.50	734.00	109.20	702.30	119.80	691.70	100.00	711.90
1/29/2008	772.70		77.50	734.00	109.20	702.30	119.80	691.70	100.00	711.90
2/9/2008	774.10		77.50	734.00	109.20	702.30	119.90	691.60	100.00	711.90
2/19/2008	774.40		77.50	734.00	109.20	702.30	119.80	691.70	100.00	711.90
2/27/2008	775.00		77.50	734.00	109.20	702.30	119.80	691.70	100.00	711.90
3/7/2008	775.00		77.50	734.00	109.20	702.30	119.90	691.60	100.00	711.90
3/18/2008	775.00		77.50	734.00	109.20	702.30	119.90	691.60	100.00	711.90
3/29/2008	774.90		77.50	734.00	109.20	702.30	119.80	691.70	100.00	711.90
4/10/2008	775.00		77.50	734.00	109.20	702.30	119.70	691.80	100.00	711.90
4/20/2008	774.80		77.50	734.00	109.20	702.30	119.60	691.90	100.00	711.90
5/5/2008	774.65		77.50	734.00	109.20	702.30	119.60	691.90	100.00	711.90
5/13/2008	773.90		77.50	734.00	109.20	702.30	119.60	691.90	100.00	711.90
5/21/2008	772.85		77.50	734.00	109.20	702.30	119.60	691.90	100.00	711.90
5/31/2008	772.10		77.50	734.00	109.20	702.30	119.60	691.90	100.00	711.90
6/9/2008	771.20		77.50	734.00	109.20	702.30	119.60	691.90	100.00	711.90
6/18/2008	770.50		77.50	734.00	109.20	702.30	119.60	691.90	100.00	711.90
6/26/2008	769.60		77.50	734.00	109.20	702.30	119.50	692.00	100.00	711.90

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

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JANUARY 2007 THROUGH DECEMBER 2023

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Top Ref. Elev. (ft)			811.500		811.500		811.500		811.900	
Top Ref. Elev. (ft) After 5/21/2012			811.405		811.425		811.380		811.675	
Tip Elev. (ft)			733.405		701.425		669.880		711.675	
Total Depth (ft)			78.0		110.0		141.5		100.0	
Total Depth (ft) After 5/21/2012			78.0		110.0		141.5		100.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-1U		R-1M		R-1L		R-2U	
7/8/2008	768.10		77.50	734.00	109.20	702.30	119.50	692.00	100.00	711.90
7/19/2008	766.60		77.50	734.00	109.20	702.30	119.50	692.00	100.00	711.90
7/29/2008	765.50	0.00	77.50	734.00	109.20	702.30	119.50	692.00	100.00	711.90
8/4/2008	764.60	0.00	77.50	734.00	109.20	702.30	119.50	692.00	100.00	711.90
8/9/2008	764.25	0.00	77.50	734.00	109.20	702.30	119.50	692.00	100.00	711.90
8/19/2008	763.20	0.00	77.50	734.00	109.20	702.30	119.50	692.00	100.00	711.90
8/28/2008	762.25	0.00	77.50	734.00	109.20	702.30	119.50	692.00	100.00	711.90
9/6/2008	761.00	0.00	77.50	734.00	109.20	702.30	119.70	691.80	100.00	711.90
9/17/2008	760.10	0.00	77.50	734.00	109.20	702.30	119.70	691.80	100.00	711.90
9/29/2008	759.20	0.00	77.50	734.00	109.20	702.30	119.80	691.70	100.00	711.90
10/8/2008	759.00	0.00	77.50	734.00	109.20	702.30	119.80	691.70	100.00	711.90
10/18/2008	758.90	0.00	77.50	734.00	109.20	702.30	119.80	691.70	100.00	711.90
10/29/2008	761.30	0.00	77.50	734.00	109.20	702.30	119.90	691.60	100.00	711.90
11/8/2008	764.30	0.00	77.50	734.00	109.20	702.30	119.80	691.70	100.00	711.90
11/17/2008	766.90	0.00	77.50	734.00	109.20	702.30	119.90	691.60	100.00	711.90
11/25/2008	769.90	1.71	77.50	734.00	109.20	702.30	119.90	691.60	100.00	711.90
12/4/2008	773.90		77.50	734.00	109.20	702.30	119.90	691.60	100.00	711.90
12/13/2008	777.30		77.50	734.00	109.20	702.30	120.00	691.50	100.00	711.90
12/21/2008	779.10		77.50	734.00	109.20	702.30	120.00	691.50	100.00	711.90
12/30/2008	779.40	3.99	77.50	734.00	109.20	702.30	120.00	691.50	100.00	711.90
1/8/2009	779.30		77.50	734.00	109.20	702.30	120.00	691.50	100.00	711.90
1/19/2009	778.50		77.50	734.00	109.20	702.30	120.00	691.50	100.00	711.90
1/29/2009	778.30	0.38	77.50	734.00	109.20	702.30	120.00	691.50	100.00	711.90
2/12/2009	779.80		77.50	734.00	109.20	702.30	120.00	691.50	100.00	711.90
2/19/2009	781.30		77.50	734.00	109.20	702.30	119.80	691.70	100.00	711.90
2/27/2009	782.20	4.33	77.50	734.00	109.20	702.30	119.80	691.70	100.00	711.90
3/10/2009	782.70		77.50	734.00	109.20	702.30	119.60	691.90	100.00	711.90

Notes:

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Top Ref. Elev. (ft)			811.500		811.500		811.500		811.900	
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Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-1U		R-1M		R-1L		R-2U	
3/20/2009	782.40		77.50	734.00	109.20	702.30	119.80	691.70	100.00	711.90
3/25/2009	782.20	0.43	77.50	734.00	109.20	702.30	119.90	691.60	100.00	711.90
4/4/2009	785.30		77.50	734.00	109.20	702.30	119.70	691.80	100.00	711.90
4/13/2009	788.50		77.50	734.00	109.20	702.30	119.60	691.90	99.00	712.90
4/21/2009	790.50		77.50	734.00	109.20	702.30	119.30	692.20	95.90	716.00
4/26/2009	791.20	0.00	77.50	734.00	109.20	702.30	119.30	692.20	94.80	717.10
5/4/2009	791.30		77.50	734.00	109.20	702.30	118.80	692.70	92.10	719.80
5/13/2009	790.60		77.50	734.00	109.20	702.30	118.50	693.00	91.80	720.10
5/21/2009	789.90		77.50	734.00	109.20	702.30	118.30	693.20	90.80	721.10
5/30/2009	789.30	0.00	77.50	734.00	109.20	702.30	118.20	693.30	89.00	722.90
6/8/2009	788.70		77.50	734.00	109.20	702.30	118.00	693.50	88.80	723.10
6/17/2009	788.20		77.50	734.00	109.20	702.30	117.70	693.80	88.70	723.20
6/27/2009	787.60	0.00	77.50	734.00	109.20	702.30	117.40	694.10	88.50	723.40
7/7/2009	786.80		77.50	734.00	109.20	702.30	117.40	694.10	88.60	723.30
7/15/2009	786.10		77.50	734.00	109.20	702.30	117.40	694.10	88.70	723.20
7/22/2009	785.50		77.50	734.00	109.20	702.30	117.40	694.10	88.70	723.20
7/30/2009	784.70	0.00	77.50	734.00	109.20	702.30	117.50	694.00	88.90	723.00
8/8/2009	783.90		77.50	734.00	109.20	702.30	116.90	694.60	89.30	722.60
8/15/2009	783.30		77.50	734.00	109.20	702.30	116.60	694.90	89.70	722.20
8/26/2009	782.30	0.00	77.50	734.00	109.20	702.30	116.20	695.30	90.10	721.80
9/5/2009	781.50		77.50	734.00	109.20	702.30	116.20	695.30	90.90	721.00
9/12/2009	780.80		77.50	734.00	109.20	702.30	116.30	695.20	91.60	720.30
9/19/2009	780.20		77.50	734.00	109.20	702.30	116.00	695.50	91.80	720.10
9/28/2009	779.50	0.00	77.50	734.00	109.20	702.30	115.90	695.60	92.10	719.80
10/8/2009	778.50		77.50	734.00	109.20	702.30	115.90	695.60	92.90	719.00
10/19/2009	777.80		77.50	734.00	109.20	702.30	116.00	695.50	93.60	718.30
10/30/2009	776.80	0.24	77.50	734.00	109.20	702.30	116.00	695.50	94.10	717.80

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-1 Upper		R-1 Middle		R-1 Lower		R-2 Upper	
Top Ref. Elev. (ft)			811.500		811.500		811.500		811.900	
Top Ref. Elev. (ft) After 5/21/2012			811.405		811.425		811.380		811.675	
Tip Elev. (ft)			733.405		701.425		669.880		711.675	
Total Depth (ft)			78.0		110.0		141.5		100.0	
Total Depth (ft) After 5/21/2012			78.0		110.0		141.5		100.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-1U		R-1M		R-1L		R-2U	
11/9/2009	776.10		77.50	734.00	109.20	702.30	116.00	695.50	94.70	717.20
11/20/2009	775.40		77.50	734.00	109.20	702.30	116.00	695.50	95.00	716.90
11/28/2009	774.90	0.00	77.50	734.00	109.20	702.30	116.00	695.50	95.60	716.30
12/9/2009	774.60		77.50	734.00	109.20	702.30	116.20	695.30	96.20	715.70
12/18/2009	774.60		77.50	734.00	109.20	702.30	116.20	695.30	96.70	715.20
12/29/2009	774.30	3.56	77.50	734.00	109.20	702.30	116.40	695.10	97.00	714.90
1/9/2010	773.90		77.50	734.00	109.20	702.30	116.50	695.00	97.10	714.80
1/17/2010	773.60		77.50	734.00	109.20	702.30	116.50	695.00	97.20	714.70
1/28/2010	779.90	7.84	77.50	734.00	109.20	702.30	116.50	695.00	97.20	714.70
2/4/2010	780.15		77.50	734.00	109.20	702.30	116.50	695.00	96.90	715.00
2/12/2010	783.40		77.50	734.00	109.20	702.30	116.50	695.00	96.60	715.30
2/19/2010	784.00		77.50	734.00	109.20	702.30	116.60	694.90	96.20	715.70
2/26/2010	784.45	2.69	77.50	734.00	109.20	702.30	116.60	694.90	95.90	716.00
3/6/2010	785.60		77.50	734.00	109.20	702.30	116.60	694.90	95.80	716.10
3/15/2010	786.20		77.50	734.00	109.20	702.30	116.50	695.00	94.80	717.10
3/16/2010	786.30		77.50	734.00	109.20	702.30	116.40	695.10	94.80	717.10
3/24/2010	786.20	2.03	77.50	734.00	109.20	702.30	116.30	695.20	93.80	718.10
4/2/2010	785.80		77.50	734.00	109.10	702.40	116.00	695.50	92.20	719.70
4/4/2010	785.80		77.50	734.00	109.10	702.40	116.00	695.50	92.10	719.80
4/12/2010	787.40		77.50	734.00	109.10	702.40	116.00	695.50	91.60	720.30
4/20/2010	790.10		77.50	734.00	109.10	702.40	115.90	695.60	90.80	721.10
4/28/2010	792.60	1.19	77.50	734.00	109.10	702.40	115.90	695.60	90.10	721.80
5/6/2010	792.90		77.50	734.00	109.10	702.40	115.90	695.60	88.70	723.20
5/14/2010	792.40		77.50	734.00	109.10	702.40	115.70	695.80	86.00	725.90
5/21/2010	792.10		77.50	734.00	109.10	702.40	115.50	696.00	84.50	727.40
5/29/2010	791.70	0.00	77.50	734.00	109.10	702.40	115.20	696.30	82.70	729.20
6/8/2010	791.00		77.50	734.00	109.00	702.50	114.70	696.80	81.90	730.00

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-1 Upper		R-1 Middle		R-1 Lower		R-2 Upper	
Top Ref. Elev. (ft)			811.500		811.500		811.500		811.900	
Top Ref. Elev. (ft) After 5/21/2012			811.405		811.425		811.380		811.675	
Tip Elev. (ft)			733.405		701.425		669.880		711.675	
Total Depth (ft)			78.0		110.0		141.5		100.0	
Total Depth (ft) After 5/21/2012			78.0		110.0		141.5		100.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-1U		R-1M		R-1L		R-2U	
6/15/2010	790.60		77.50	734.00	109.00	702.50	114.40	697.10	81.60	730.30
6/22/2010	790.10		77.50	734.00	109.00	702.50	114.20	697.30	81.20	730.70
6/29/2010	789.70	0.00	77.50	734.00	109.00	702.50	113.80	697.70	80.90	731.00
7/8/2010	789.20		77.50	734.00	109.00	702.50	113.70	697.80	80.90	731.00
7/16/2010	788.70		77.50	734.00	109.00	702.50	113.50	698.00	80.90	731.00
7/23/2010	788.30		77.50	734.00	109.00	702.50	113.40	698.10	80.90	731.00
7/31/2010	787.70	0.00	77.50	734.00	109.00	702.50	113.40	698.10	80.80	731.10
8/7/2010	787.30		77.50	734.00	109.20	702.30	113.30	698.20	81.20	730.70
8/15/2010	786.70		77.50	734.00	109.20	702.30	113.20	698.30	81.80	730.10
8/23/2010	786.10		77.50	734.00	109.20	702.30	113.10	698.40	82.30	729.60
8/29/2010	785.60	0.00	77.50	734.00	109.20	702.30	113.00	698.50	82.80	729.10
9/8/2010	784.90		77.50	734.00	109.20	702.30	113.00	698.50	83.30	728.60
9/17/2010	784.20		77.50	734.00	109.20	702.30	113.00	698.50	83.60	728.30
9/27/2010	783.50	0.00	77.50	734.00	109.20	702.30	113.00	698.50	84.70	727.20
10/8/2010	782.80		77.50	734.00	109.20	702.30	113.00	698.50	84.60	727.30
10/18/2010	782.20		77.50	734.00	109.20	702.30	113.00	698.50	85.10	726.80
10/28/2010	782.00	1.76	77.50	734.00	109.20	702.30	113.00	698.50	85.70	726.20
11/4/2010	781.70		77.50	734.00	109.20	702.30	113.00	698.50	86.00	725.90
11/15/2010	781.10		77.50	734.00	109.20	702.30	113.00	698.50	86.40	725.50
11/26/2010	780.80	1.33	77.50	734.00	109.20	702.30	113.00	698.50	86.80	725.10
12/8/2010	780.50		77.50	734.00	109.20	702.30	113.00	698.50	86.90	725.00
12/16/2010	780.40		77.50	734.00	109.20	702.30	113.00	698.50	87.20	724.70
12/30/2010	792.60	11.72	77.50	734.00	109.10	702.40	113.20	698.30	83.70	728.20
1/6/2011	792.20		77.50	734.00	107.10	704.40	113.20	698.30	81.80	730.10
1/7/2011	792.20		77.50	734.00	107.30	704.20	113.20	698.30	81.80	730.10
1/17/2011	792.00		77.50	734.00	106.70	704.80	112.70	698.80	79.80	732.10
1/27/2011	791.80	1.11	77.50	734.00	106.50	705.00	112.50	699.00	78.90	733.00

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-1 Upper		R-1 Middle		R-1 Lower		R-2 Upper	
Top Ref. Elev. (ft)			811.500		811.500		811.500		811.900	
Top Ref. Elev. (ft) After 5/21/2012			811.405		811.425		811.380		811.675	
Tip Elev. (ft)			733.405		701.425		669.880		711.675	
Total Depth (ft)			78.0		110.0		141.5		100.0	
Total Depth (ft) After 5/21/2012			78.0		110.0		141.5		100.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-1U		R-1M		R-1L		R-2U	
2/5/2011	791.80		77.50	734.00	106.00	705.50	112.30	699.20	78.90	733.00
2/15/2011	791.80		77.50	734.00	105.80	705.70	112.10	699.40	78.90	733.00
2/23/2011	792.20	2.87	77.50	734.00	105.60	705.90	112.00	699.50	78.70	733.20
3/8/2011	792.10		77.50	734.00	105.10	706.40	111.60	699.90	78.00	733.90
3/19/2011	791.80		77.50	734.00	104.60	706.90	111.40	700.10	77.60	
3/30/2011	791.50	3.23	77.50	734.00	104.30	707.20	111.20	700.30	71.10	
4/7/2011	792.10		77.50	734.00	104.00	707.50	110.90	700.60	77.10	734.80
4/16/2011	792.50		77.50	734.00	103.80	707.70	110.70	700.80	77.20	734.70
4/23/2011	792.60		77.50	734.00	103.60	707.90	110.50	701.00	77.20	734.70
4/30/2011	792.60	0.00	77.50	734.00	103.40	708.10	110.40	701.10	77.20	734.70
5/9/2011	792.40		77.50	734.00	103.20	708.30	110.40	701.10	77.20	734.70
5/16/2011	792.40		77.50	734.00	103.00	708.50	110.30	701.20	77.20	734.70
5/24/2011	792.40		77.50	734.00	102.80	708.70	110.10	701.40	77.30	734.60
5/31/2011	792.40	0.81	77.50	734.00	102.60	708.90	110.00	701.50	77.30	734.60
6/8/2011	792.10		77.50	734.00	102.30	709.20	111.00	700.50	77.30	734.60
6/16/2011	791.90		77.50	734.00	102.30	709.20	109.90	701.60	77.30	734.60
6/23/2011	791.80		77.50	734.00	102.30	709.20	109.60	701.90	77.30	734.60
6/30/2011	791.60	0.00	77.50	734.00	102.20	709.30	109.40	702.10	77.30	734.60
7/8/2011	791.40		77.50	734.00	102.20	709.30	109.20	702.30	77.60	734.30
7/14/2011	791.20		77.50	734.00	102.20	709.30	109.20	702.30	77.90	734.00
7/21/2011	790.90		77.50	734.00	102.20	709.30	109.00	702.50	78.10	733.80
7/30/2011	790.40	0.00	77.50	734.00	102.20	709.30	108.80	702.70	78.50	733.40
8/9/2011	789.90		77.50	734.00	102.20	709.30	109.00	702.50	79.10	732.80
8/15/2011	789.70		77.50	734.00	102.20	709.30	108.80	702.70	79.30	732.60
8/24/2011	789.00		77.50	734.00	102.20	709.30	109.00	702.50	79.60	732.30
9/1/2011	788.65	0.00	77.50	734.00	102.20	709.30	109.60	701.90	80.00	731.90
9/9/2011	787.90		77.50	734.00	102.40	709.10	109.70	701.80	81.40	730.50

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-1 Upper		R-1 Middle		R-1 Lower		R-2 Upper	
Top Ref. Elev. (ft)			811.500		811.500		811.500		811.900	
Top Ref. Elev. (ft) After 5/21/2012			811.405		811.425		811.380		811.675	
Tip Elev. (ft)			733.405		701.425		669.880		711.675	
Total Depth (ft)			78.0		110.0		141.5		100.0	
Total Depth (ft) After 5/21/2012			78.0		110.0		141.5		100.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-1U		R-1M		R-1L		R-2U	
9/16/2011	787.30		77.50	734.00	102.50	709.00	109.80	701.70	81.60	730.30
9/23/2011	787.00		77.50	734.00	102.60	708.90	109.80	701.70	81.80	730.10
9/29/2011	786.80	0.08	77.50	734.00	102.70	708.80	109.90	701.60	82.00	729.90
10/8/2011	786.60		77.50	734.00	102.80	708.70	110.20	701.30	82.70	729.20
10/15/2011	786.40		77.50	734.00	103.00	708.50	110.30	701.20	83.10	728.80
10/26/2011	786.00	1.29	77.50	734.00	103.10	708.40	110.30	701.20	83.50	728.40
11/5/2011	785.50		77.50	734.00	103.20	708.30	110.30	701.20	83.80	728.10
11/14/2011	785.40		77.50	734.00	103.20	708.30	110.30	701.20	84.30	727.60
11/22/2011	785.10		77.50	734.00	103.50	708.00	105.00	706.50	84.50	727.40
11/30/2011	785.10	1.79	77.50	734.00	103.80	707.70	107.00	704.50	84.70	727.20
12/9/2011	784.80		77.50	734.00	104.10	707.40	110.80	700.70	84.90	727.00
12/17/2011	784.60		77.50	734.00	104.30	707.20	111.00	700.50	84.90	727.00
12/22/2011	784.50		77.50	734.00	104.20	707.30	111.10	700.40	85.10	726.80
12/30/2011	784.30	0.45	77.50	734.00	104.30	707.20	111.20	700.30	85.20	726.70
1/7/2012	784.00		77.50	734.00	104.30	707.20	111.20	700.30	85.40	726.50
1/14/2012	783.80		77.50	734.00	104.40	707.10	111.20	700.30	85.70	726.20
1/21/2012	783.60		77.50	734.00	104.50	707.00	111.30	700.20	85.90	726.00
1/28/2012	783.60	1.72	77.50	734.00	104.60	706.90	111.30	700.20	86.00	725.90
2/7/2012	783.40		77.50	734.00	104.60	706.90	111.30	700.20	86.00	725.90
2/15/2012	783.40		77.50	734.00	104.60	706.90	111.30	700.20	86.10	725.80
2/25/2012	783.40	0.62	77.50	734.00	104.70	706.80	111.30	700.20	86.10	725.80
3/5/2012	783.20		77.50	734.00	105.00	706.50	111.70	699.80	86.40	725.50
3/15/2012	782.70		77.50	734.00	105.20	706.30	111.90	699.60	86.70	725.20
3/22/2012	782.60	2.01	77.50	734.00	105.40	706.10	111.90	699.60	86.90	725.00
4/3/2012	782.50		77.50	734.00	105.50	706.00	111.90	699.60	86.90	725.00
4/12/2012	782.10		77.50	734.00	105.60	705.90	111.90	699.60	87.00	724.90
4/21/2012	782.00		77.50	734.00	105.70	705.80	112.00	699.50	87.00	724.90

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-1 Upper		R-1 Middle		R-1 Lower		R-2 Upper	
Top Ref. Elev. (ft)			811.500		811.500		811.500		811.900	
Top Ref. Elev. (ft) After 5/21/2012			811.405		811.425		811.380		811.675	
Tip Elev. (ft)			733.405		701.425		669.880		711.675	
Total Depth (ft)			78.0		110.0		141.5		100.0	
Total Depth (ft) After 5/21/2012			78.0		110.0		141.5		100.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-1U		R-1M		R-1L		R-2U	
4/23/2012	781.90	1.32	77.50	734.00	105.70	705.80	112.00	699.50	87.20	724.70
5/1/2012	781.70		77.50	734.00	105.70	705.80	112.10	699.40	87.00	724.90
5/7/2012	781.30		77.50	734.00	105.60	705.90	112.10	699.40	87.10	724.80
5/21/2012	780.90		77.50	734.00	105.20	706.30	112.10	699.40	87.30	724.60
5/25/2012	780.00	0.06	77.50	733.91	105.90	705.53	112.10	699.28	87.50	724.18
6/4/2012	779.60		77.50	733.91	105.90	705.53	112.40	698.98	87.50	724.18
6/13/2012	778.70		77.50	733.91	105.90	705.53	112.40	698.98	88.20	723.48
6/20/2012	778.00		77.50	733.91	106.20	705.23	112.40	698.98	88.20	723.48
6/25/2012	777.30	0.00	77.50	733.91	106.30	705.13	112.50	698.88	88.60	723.08
7/4/2012	776.30		77.50	733.91	106.30	705.13	112.50	698.88	89.30	722.38
7/13/2012	775.70		77.50	733.91	106.50	704.93	112.50	698.88	89.80	721.88
7/20/2012	775.20		77.50	733.91	106.60	704.83	112.70	698.68	90.60	721.08
7/30/2012	775.00	0.10	77.50	733.91	106.90	704.53	112.90	698.48	91.00	720.68
8/8/2012	773.00		77.50	733.91	107.00	704.43	113.00	698.38	92.60	719.08
8/9/2012	772.90		77.50	733.91	107.10	704.33	113.00	698.38	92.70	718.98
8/18/2012	772.00		77.50	733.91	107.30	704.13	113.20	698.18	93.50	718.18
8/27/2012	771.10		77.50	733.91	107.40	704.03	113.30	698.08	94.60	717.08
8/29/2012	770.90	0.00	77.50	733.91	107.40	704.03	113.30	698.08	94.60	717.08
9/8/2012	769.80		77.50	733.91	107.60	703.83	113.70	697.68	97.00	714.68
9/15/2012	768.90		77.50	733.91	107.80	703.63	113.80	697.58		
9/29/2012	767.80	0.00	77.50	733.91	108.00	703.43	113.80	697.58	98.00	713.68
10/11/2012	766.80		77.50	733.91	108.30	703.13	114.00	697.38	99.00	712.68
10/23/2012	765.90	1.10	77.50	733.91	108.50	702.93	114.20	697.18	99.00	712.68
11/12/2012	764.60		77.50	733.91	109.00	702.43	114.80	696.58	99.00	712.68
11/23/2012	764.30	0.16	77.50	733.91	109.00	702.43	114.80	696.58	99.00	712.68
12/12/2012	764.50	2.46	77.50	733.91	109.00	702.43	114.80	696.58	99.00	712.68
12/27/2012	769.10		77.50	733.91	109.00	702.43	115.00	696.38	99.80	711.88

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-1 Upper		R-1 Middle		R-1 Lower		R-2 Upper	
Top Ref. Elev. (ft)			811.500		811.500		811.500		811.900	
Top Ref. Elev. (ft) After 5/21/2012			811.405		811.425		811.380		811.675	
Tip Elev. (ft)			733.405		701.425		669.880		711.675	
Total Depth (ft)			78.0		110.0		141.5		100.0	
Total Depth (ft) After 5/21/2012			78.0		110.0		141.5		100.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-1U		R-1M		R-1L		R-2U	
1/16/2013	770.40		77.50	733.91	109.00	702.43	115.00	696.38	100.00	711.68
1/28/2013	769.90	1.82	77.50	733.91	109.00	702.43	115.00	696.38	100.00	711.68
2/15/2013	769.60		77.50	733.91	109.10	702.33	113.00	698.38	100.00	711.68
2/26/2013	769.40	0.68	77.50	733.91	109.20	702.23	115.40	695.98	100.00	711.68
3/13/2013	768.80		77.50	733.91	109.20	702.23	116.00	695.38	99.10	712.58
3/26/2013	768.60	0.66	77.50	733.91	109.20	702.23	116.00	695.38	99.10	712.58
4/10/2013	771.10		77.50	733.91	109.20	702.23	116.00	695.38	99.10	712.58
4/30/2013	772.20	0.00	77.50	733.91	109.20	702.23	116.00	695.38	99.80	711.88
5/9/2013	771.90		77.60	733.81	109.20	702.23	116.40	694.98	99.10	712.58
5/15/2013	771.70		77.60	733.81	109.20	702.23	116.40	694.98	99.10	712.58
5/22/2013	771.40		77.60	733.81	109.20	702.23	116.40	694.98	99.10	712.58
5/30/2013	771.00	0.00	77.60	733.81	109.20	702.23	116.40	694.98	99.20	712.48
6/6/2013	770.80		77.50	733.91	109.10	702.33	116.50	694.88	99.20	712.48
6/13/2013	769.30		77.50	733.91	109.10	702.33	116.50	694.88	99.20	712.48
6/20/2013	769.00		77.50	733.91	109.10	702.33	116.50	694.88	99.20	712.48
6/26/2013	768.60	0.00	77.50	733.91	109.10	702.33	116.50	694.88	99.20	712.48
7/2/2013	767.80		77.50	733.91	109.10	702.33	116.50	694.88	99.20	712.48
7/10/2013	766.90		77.50	733.91	109.10	702.33	116.60	694.78	99.20	712.48
7/16/2013	766.50		77.50	733.91	109.10	702.33	116.70	694.68	99.20	712.48
7/29/2013	765.20	0.00	77.50	733.91	109.10	702.33	116.70	694.68	99.20	712.48
8/5/2013	764.50		77.50	733.91	109.10	702.33	116.50	694.88	99.20	712.48
8/12/2013	763.80		77.50	733.91	109.10	702.33	116.90	694.48	99.20	712.48
8/19/2013	763.30		77.50	733.91	109.10	702.33	116.90	694.48	99.20	712.48
8/26/2013	762.40	0.00	77.50	733.91	109.10	702.33	116.90	694.48	99.40	712.28
9/2/2013	761.50		77.50	733.91	109.10	702.33	116.90	694.48	99.20	712.48
9/10/2013	760.70		77.50	733.91	109.30	702.13	117.20	694.18	99.50	712.18
9/17/2013	759.90		77.50	733.91	109.30	702.13	117.20	694.18	99.50	712.18

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-1 Upper		R-1 Middle		R-1 Lower		R-2 Upper	
Top Ref. Elev. (ft)			811.500		811.500		811.500		811.900	
Top Ref. Elev. (ft) After 5/21/2012			811.405		811.425		811.380		811.675	
Tip Elev. (ft)			733.405		701.425		669.880		711.675	
Total Depth (ft)			78.0		110.0		141.5		100.0	
Total Depth (ft) After 5/21/2012			78.0		110.0		141.5		100.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-1U		R-1M		R-1L		R-2U	
9/23/2013	759.40		77.50	733.91	109.30	702.13	117.20	694.18	99.50	712.18
9/30/2013	758.70	0.00	77.50	733.91	109.30	702.13	117.20	694.18	99.20	712.48
10/7/2013	758.30		77.50	733.91	109.40	702.03	117.30	694.08	99.20	712.48
10/14/2013	757.60		77.50	733.91	109.40	702.03	117.30	694.08	99.20	712.48
10/21/2013	756.60		77.50	733.91	109.40	702.03	117.50	693.88	99.20	712.48
10/28/2013	756.00	0.00	77.50	733.91	109.40	702.03	117.50	693.88	99.20	712.48
11/4/2013	755.70		77.50	733.91	109.40	702.03	117.90	693.48	99.20	712.48
11/11/2013	756.10		77.50	733.91	109.40	702.03	117.80	693.58	99.20	712.48
11/18/2013	755.70		77.50	733.91	109.40	702.03	117.90	693.48	99.20	712.48
11/25/2013	755.40	0.55	77.50	733.91	109.40	702.03	117.90	693.48	99.30	712.38
12/2/2013	755.30		77.50	733.91	109.40	702.03	117.90	693.48	99.20	712.48
12/10/2013	755.40		77.50	733.91	109.40	702.03	118.00	693.38	99.60	712.08
12/16/2013	755.20		77.50	733.91	109.40	702.03	118.00	693.38	99.40	712.28
12/23/2013	755.20		77.50	733.91	109.40	702.03	118.20	693.18	99.30	712.38
12/30/2013	754.80	0.83	77.50	733.91	109.40	702.03	118.20	693.18	99.20	712.48
1/6/2014	754.50		77.50	733.91	109.20	702.23	118.20	693.18	100.20	711.48
1/13/2014	755.00		77.50	733.91	109.20	702.23	118.40	692.98	99.80	711.88
1/20/2014	754.60		77.50	733.91	109.20	702.23	118.40	692.98	99.60	712.08
1/27/2014	754.30	0.00	77.50	733.91	109.20	702.23	118.40	692.98	99.30	712.38
2/3/2014	754.10		77.50	733.91	109.20	702.23	118.60	692.78	100.30	711.38
2/10/2014	754.70		77.50	733.91	109.20	702.23	118.60	692.78	100.00	711.68
2/17/2014	754.50		77.50	733.91	109.20	702.23	118.60	692.78	99.90	711.78
2/24/2014	754.20	0.83	77.50	733.91	109.20	702.23	118.70	692.68	99.80	711.88
3/3/2014	754.50		77.50	733.91	109.20	702.23	118.80	692.58	99.80	711.88
3/10/2014	755.20		77.50	733.91	109.20	702.23	118.70	692.68	99.70	711.98
3/19/2014	755.90		77.50	733.91	109.20	702.23	118.80	692.58	99.90	711.78
3/25/2014	758.80		77.50	733.91	109.20	702.23	118.80	692.58	99.90	711.78

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-1 Upper		R-1 Middle		R-1 Lower		R-2 Upper	
Top Ref. Elev. (ft)			811.500		811.500		811.500		811.900	
Top Ref. Elev. (ft) After 5/21/2012			811.405		811.425		811.380		811.675	
Tip Elev. (ft)			733.405		701.425		669.880		711.675	
Total Depth (ft)			78.0		110.0		141.5		100.0	
Total Depth (ft) After 5/21/2012			78.0		110.0		141.5		100.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-1U		R-1M		R-1L		R-2U	
3/29/2014	760.50		77.50	733.91	109.20	702.23	118.80	692.58	99.90	711.78
3/31/2014	761.60	1.85	77.50	733.91	109.20	702.23	118.80	692.58	99.80	711.88
4/1/2014	762.00		77.50	733.91	109.20	702.23	118.90	692.48	99.90	711.78
4/8/2014	764.70		77.50	733.91	109.20	702.23	118.90	692.48	99.90	711.78
4/15/2014	766.60		77.50	733.91	109.20	702.23	118.90	692.48	99.90	711.78
4/22/2014	768.60		77.50	733.91	109.20	702.23	119.10	692.28	99.90	711.78
4/29/2014	770.40	0.88	77.50	733.91	109.20	702.23	119.10	692.28	99.90	711.78
5/5/2014	769.70		77.50	733.91	109.20	702.23	119.20	692.18	99.90	711.78
5/12/2014	769.00		77.50	733.91	109.20	702.23	119.20	692.18	99.90	711.78
5/19/2014	768.00		77.50	733.91	109.20	702.23	119.20	692.18	99.90	711.78
5/26/2014	767.10	0.00	77.50	733.91	109.20	702.23	119.20	692.18	99.90	711.78
6/2/2014	766.20		77.50	733.91	109.20	702.23	119.30	692.08	99.90	711.78
6/9/2014	765.40		77.50	733.91	109.20	702.23	119.30	692.08	99.90	711.78
6/16/2014	764.30		77.50	733.91	109.20	702.23	119.30	692.08	99.90	711.78
6/23/2014	763.10		77.50	733.91	109.20	702.23	119.30	692.08	99.90	711.78
6/27/2014	762.30	0.00	77.50	733.91	109.20	702.23	119.30	692.08	99.90	711.78
7/7/2014	760.90		77.50	733.91	109.20	702.23	119.40	691.98	99.90	711.78
7/14/2014	760.00		77.50	733.91	109.20	702.23	119.40	691.98	99.90	711.78
7/21/2014	759.10		77.50	733.91	109.20	702.23	119.40	691.98	99.90	711.78
7/28/2014	757.90	0.06	77.50	733.91	109.20	702.23	119.40	691.98	99.90	711.78
8/4/2014	756.80		77.50	733.91	109.20	702.23	119.50	691.88	99.90	711.78
8/11/2014	755.60		77.50	733.91	109.20	702.23	119.50	691.88	99.90	711.78
8/18/2014	754.70		77.50	733.91	109.20	702.23	119.50	691.88	99.90	711.78
8/25/2014	753.30	0.05	77.50	733.91	109.20	702.23	119.50	691.88	99.90	711.78
9/2/2014	751.60		77.50	733.91	109.20	702.23	119.60	691.78	99.90	711.78
9/8/2014	750.50		77.50	733.91	109.20	702.23	119.60	691.78	99.90	711.78
9/15/2014	749.40		77.50	733.91	109.20	702.23	119.60	691.78	99.90	711.78

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-1 Upper		R-1 Middle		R-1 Lower		R-2 Upper	
Top Ref. Elev. (ft)			811.500		811.500		811.500		811.900	
Top Ref. Elev. (ft) After 5/21/2012			811.405		811.425		811.380		811.675	
Tip Elev. (ft)			733.405		701.425		669.880		711.675	
Total Depth (ft)			78.0		110.0		141.5		100.0	
Total Depth (ft) After 5/21/2012			78.0		110.0		141.5		100.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-1U		R-1M		R-1L		R-2U	
9/22/2014	748.30		77.50	733.91	109.20	702.23	119.60	691.78	99.90	711.78
9/29/2014	747.20	0.00	77.50	733.91	109.20	702.23	119.60	691.78	99.90	711.78
10/6/2014	745.70		77.50	733.91	109.20	702.23	119.80	691.58	99.90	711.78
10/13/2014	746.70		77.50	733.91	109.20	702.23	119.80	691.58	99.90	711.78
10/20/2014	746.60		77.50	733.91	109.20	702.23	119.90	691.48	100.00	711.68
10/27/2014	745.80	0.00	77.50	733.91	109.20	702.23	119.90	691.48	100.00	711.68
11/3/2014	746.40		77.50	733.91	109.20	702.23	119.90	691.48	100.00	711.68
11/10/2014	747.20		77.50	733.91	109.20	702.23	119.90	691.48	100.00	711.68
11/17/2014	747.70		77.50	733.91	109.20	702.23	119.90	691.48	100.00	711.68
11/24/2014	748.80	0.61	77.50	733.91	109.20	702.23	119.90	691.48	100.00	711.68
12/1/2014	748.30		77.50	733.91	109.20	702.23	120.10	691.28	100.00	711.68
12/8/2014	749.10		77.50	733.91	109.20	702.23	120.10	691.28	100.00	711.68
12/15/2014	749.80		77.50	733.91	109.20	702.23	120.10	691.28	100.00	711.68
12/29/2014	750.90	5.37	77.50	733.91	109.20	702.23	120.20	691.18	100.00	711.68
1/5/2015	751.30		77.50	733.91	109.20	702.23	120.20	691.18	100.00	711.68
1/12/2015	751.80		77.50	733.91	109.20	702.23	120.30	691.08	99.90	711.78
1/19/2015	752.30		77.50	733.91	109.20	702.23	120.30	691.08	99.90	711.78
1/26/2015	752.60	1.48	77.50	733.91	109.20	702.23	120.30	691.08	99.90	711.78
2/4/2015	753.10		77.50	733.91	109.20	702.23	120.20	691.18	100.00	711.68
2/9/2015	753.30		77.50	733.91	109.20	702.23	120.30	691.08	100.00	711.68
2/16/2015	753.80		77.50	733.91	109.20	702.23	120.40	690.98	100.00	711.68
2/23/2015	753.90	0.44	77.50	733.91	109.20	702.23	120.40	690.98	100.00	711.68
3/2/2015	754.50		77.50	733.91	109.20	702.23	120.40	690.98	100.00	711.68
3/9/2015	755.00		77.50	733.91	109.20	702.23	120.40	690.98	100.00	711.68
3/16/2015	755.30		77.50	733.91	109.20	702.23	120.40	690.98	100.00	711.68
3/23/2015	755.50		77.50	733.91	109.20	702.23	120.40	690.98	100.00	711.68
3/30/2015	755.70	0.57	77.50	733.91	109.20	702.23	120.50	690.88	100.00	711.68

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-1 Upper		R-1 Middle		R-1 Lower		R-2 Upper	
Top Ref. Elev. (ft)			811.500		811.500		811.500		811.900	
Top Ref. Elev. (ft) After 5/21/2012			811.405		811.425		811.380		811.675	
Tip Elev. (ft)			733.405		701.425		669.880		711.675	
Total Depth (ft)			78.0		110.0		141.5		100.0	
Total Depth (ft) After 5/21/2012			78.0		110.0		141.5		100.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-1U		R-1M		R-1L		R-2U	
4/6/2015	755.60		77.50	733.91	109.20	702.23	120.50	690.88	100.00	711.68
4/13/2015	755.80		77.50	733.91	109.20	702.23	120.60	690.78	100.00	711.68
4/20/2015	755.90		77.50	733.91	109.20	702.23	120.60	690.78	100.00	711.68
4/27/2015	755.90	0.20	77.50	733.91	109.20	702.23	120.60	690.78	100.00	711.68
5/4/2015	755.60		77.50	733.91	109.20	702.23	120.60	690.78	100.00	711.68
5/11/2015	755.30		77.50	733.91	109.20	702.23	120.60	690.78	100.00	711.68
5/18/2015	755.20		77.50	733.91	109.20	702.23	120.60	690.78	100.00	711.68
5/26/2015	755.30	0.95	77.50	733.91	109.20	702.23	120.60	690.78	100.00	711.68
6/1/2015	755.20		77.50	733.91	109.20	702.23	120.60	690.78	100.00	711.68
6/8/2015	755.10		77.50	733.91	109.20	702.23	120.60	690.78	100.00	711.68
6/15/2015	755.20		77.50	733.91	109.20	702.23	120.70	690.68	100.00	711.68
6/22/2015	754.80		77.50	733.91	109.20	702.23	120.80	690.58	100.00	711.68
6/29/2015	754.20	0.00	77.50	733.91	109.20	702.23	120.80	690.58	100.00	711.68
7/10/2015	753.30		77.50	733.91	109.20	702.23	120.90	690.48	100.00	711.68
7/15/2015	753.00		77.50	733.91	109.20	702.23	120.90	690.48	100.00	711.68
7/21/2015	752.80		77.50	733.91	109.20	702.23	120.90	690.48	100.00	711.68
7/28/2015	752.40	0.00	77.50	733.91	109.20	702.23	120.90	690.48	100.30	711.38
8/4/2015	752.00		77.50	733.91	109.20	702.23	120.90	690.48	100.30	711.38
8/11/2015	751.60		77.50	733.91	109.20	702.23	120.90	690.48	100.30	711.38
8/18/2015	751.10		77.50	733.91	109.20	702.23	120.90	690.48	100.30	711.38
8/25/2015	750.60	0.00	77.50	733.91	109.20	702.23	120.90	690.48	100.00	711.68
9/1/2015	749.90		77.50	733.91	109.20	702.23	120.90	690.48	100.00	711.68
9/8/2015	749.00		77.50	733.91	109.20	702.23	121.00	690.38	100.00	711.68
9/15/2015	748.70		77.50	733.91	109.20	702.23	121.00	690.38	100.00	711.68
9/22/2015	748.40		77.50	733.91	109.20	702.23	121.00	690.38	100.00	711.68
9/29/2015	748.00	2.27	77.50	733.91	109.20	702.23	121.10	690.28	100.00	711.68
10/6/2015	747.60		77.50	733.91	109.20	702.23	121.10	690.28	100.00	711.68

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-1 Upper		R-1 Middle		R-1 Lower		R-2 Upper	
Top Ref. Elev. (ft)			811.500		811.500		811.500		811.900	
Top Ref. Elev. (ft) After 5/21/2012			811.405		811.425		811.380		811.675	
Tip Elev. (ft)			733.405		701.425		669.880		711.675	
Total Depth (ft)			78.0		110.0		141.5		100.0	
Total Depth (ft) After 5/21/2012			78.0		110.0		141.5		100.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-1U		R-1M		R-1L		R-2U	
10/13/2015	747.10		77.50	733.91	109.20	702.23	121.20	690.18	100.00	711.68
10/20/2015	746.70		77.50	733.91	109.20	702.23	121.20	690.18	100.00	711.68
10/27/2015	746.00	0.56	77.50	733.91	109.20	702.23	121.10	690.28	100.00	711.68
11/4/2015	745.70		77.50	733.91	109.20	702.23	121.30	690.08	100.00	711.68
11/11/2015	745.20		77.50	733.91	109.20	702.23	121.30	690.08	100.00	711.68
11/18/2015	744.80		77.50	733.91	109.20	702.23	121.40	689.98	99.80	711.88
11/25/2015	744.20	0.12	77.50	733.91	109.20	702.23	121.30	690.08	100.00	711.68
12/1/2015	743.70		77.50	733.91	109.20	702.23	121.40	689.98	100.00	711.68
12/8/2015	743.10		77.50	733.91	109.20	702.23	121.40	689.98	100.00	711.68
12/15/2015	742.70		77.50	733.91	109.20	702.23	121.50	689.88	100.00	711.68
12/22/2015	742.30		77.50	733.91	109.20	702.23	121.50	689.88	100.00	711.68
12/29/2015	742.10	1.29	77.50	733.91	109.20	702.23	121.50	689.88	100.00	711.68
1/5/2016	741.70		77.50	733.91	109.20	702.23	121.50	689.88	100.00	711.68
1/12/2016	742.30		77.50	733.91	109.20	702.23	121.50	689.88	100.00	711.68
1/19/2016	742.00		77.50	733.91	109.20	702.23	121.50	689.88	100.00	711.68
1/26/2016	741.80	3.51	77.50	733.91	109.20	702.23	121.60	689.78	100.00	711.68
2/2/2016	741.40		77.50	733.91	109.20	702.23	121.50	689.88	100.00	711.68
2/9/2016	741.00		77.50	733.91	109.20	702.23	121.70	689.68	100.00	711.68
2/16/2016	740.50		77.50	733.91	109.20	702.23	121.60	689.78	100.00	711.68
2/23/2016	740.20	0.35	77.50	733.91	109.20	702.23	121.70	689.68	100.00	711.68
3/1/2016	739.70		77.50	733.91	109.20	702.23	121.70	689.68	100.00	711.68
3/9/2016	739.40		77.50	733.91	109.20	702.23	121.70	689.68	100.00	711.68
3/17/2016	739.30		77.50	733.91	109.20	702.23	121.70	689.68	100.00	711.68
3/23/2016	739.10		77.50	733.91	109.20	702.23	121.80	689.58	100.00	711.68
3/30/2016	738.50	1.59	77.50	733.91	109.20	702.23	121.80	689.58	100.00	711.68
4/6/2016	738.00		77.50	733.91	109.20	702.23	121.80	689.58	100.00	711.68
4/13/2016	737.60		77.50	733.91	109.20	702.23	121.90	689.48	98.00	713.68

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-1 Upper		R-1 Middle		R-1 Lower		R-2 Upper	
Top Ref. Elev. (ft)			811.500		811.500		811.500		811.900	
Top Ref. Elev. (ft) After 5/21/2012			811.405		811.425		811.380		811.675	
Tip Elev. (ft)			733.405		701.425		669.880		711.675	
Total Depth (ft)			78.0		110.0		141.5		100.0	
Total Depth (ft) After 5/21/2012			78.0		110.0		141.5		100.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-1U		R-1M		R-1L		R-2U	
4/20/2016	736.90		77.50	733.91	109.20	702.23	121.90	689.48	98.00	713.68
4/27/2016	736.20	0.07	77.50	733.91	109.20	702.23	121.90	689.48	98.00	713.68
5/4/2016	736.90		77.50	733.91	109.20	702.23	121.80	689.58	100.00	711.68
5/11/2016	737.50		77.50	733.91	109.20	702.23	122.00	689.38	100.00	711.68
5/18/2016	737.00		77.50	733.91	109.20	702.23	122.00	689.38	100.00	711.68
5/25/2016	737.60	1.21	77.50	733.91	109.20	702.23	122.00	689.38	100.00	711.68
6/1/2016	737.60		77.50	733.91	109.20	702.23	122.00	689.38	100.00	711.68
6/8/2016	737.90		77.50	733.91	109.20	702.23	122.00	689.38	100.00	711.68
6/15/2016	738.00		77.30	734.11	109.20	702.23	122.00	689.38	100.00	711.68
6/23/2016	737.70		77.30	734.11	109.20	702.23	122.00	689.38	100.00	711.68
6/29/2016	737.50	0.00	77.30	734.11	109.20	702.23	122.00	689.38	100.00	711.68
7/6/2016	737.40		77.50	733.91	109.20	702.23	122.10	689.28	100.00	711.68
7/15/2016	737.40		77.50	733.91	109.20	702.23	122.10	689.28	100.00	711.68
7/20/2016	737.10		77.50	733.91	109.20	702.23	122.10	689.28	99.80	711.88
7/27/2016	736.70	0.00	77.50	733.91	109.20	702.23	122.10	689.28	99.90	711.78
8/3/2016	736.90		77.50	733.91	109.20	702.23	122.30	689.08	100.00	711.68
8/10/2016	737.10		77.50	733.91	109.20	702.23	122.30	689.08	100.00	711.68
8/17/2016	736.60		77.50	733.91	109.20	702.23	122.30	689.08	100.30	711.38
8/24/2016	736.70		77.50	733.91	109.20	702.23	122.30	689.08	100.30	711.38
8/30/2016	736.70	0.00	77.50	733.91	109.20	702.23	122.30	689.08	100.30	711.38
9/7/2016	737.30		77.50	733.91	109.20	702.23	122.30	689.08	100.30	711.38
9/14/2016	737.90		77.50	733.91	109.20	702.23	122.40	688.98	100.10	711.58
9/21/2016	738.80		77.50	733.91	109.20	702.23	122.40	688.98	100.10	711.58
9/28/2016	739.60	0.00	77.50	733.91	109.20	702.23	122.40	688.98	100.10	711.58
10/5/2016	739.50		77.50	733.91	109.20	702.23	122.30	689.08	100.10	711.58
10/12/2016	739.20		77.50	733.91	109.20	702.23	122.50	688.88	100.10	711.58
10/19/2016	739.30		77.50	733.91	109.20	702.23	122.50	688.88	100.10	711.58

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-1 Upper		R-1 Middle		R-1 Lower		R-2 Upper	
Top Ref. Elev. (ft)			811.500		811.500		811.500		811.900	
Top Ref. Elev. (ft) After 5/21/2012			811.405		811.425		811.380		811.675	
Tip Elev. (ft)			733.405		701.425		669.880		711.675	
Total Depth (ft)			78.0		110.0		141.5		100.0	
Total Depth (ft) After 5/21/2012			78.0		110.0		141.5		100.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-1U		R-1M		R-1L		R-2U	
10/26/2016	740.00	0.89	77.50	733.91	109.20	702.23	122.50	688.88	100.10	711.58
11/2/2016	741.80		77.50	733.91	109.20	702.23	122.50	688.88	100.10	711.58
11/9/2016	741.80		77.50	733.91	109.20	702.23	122.60	688.78	100.10	711.58
11/16/2016	744.00		77.50	733.91	109.20	702.23	122.60	688.78	100.10	711.58
11/23/2016	747.60		77.50	733.91	109.20	702.23	122.60	688.78	100.10	711.58
11/29/2016	750.90	1.62	77.50	733.91	109.20	702.23	122.60	688.78	100.10	711.58
12/7/2016	753.40		77.50	733.91	109.20	702.23	122.60	688.78	100.10	711.58
12/14/2016	753.70		77.50	733.91	109.20	702.23	122.60	688.78	100.10	711.58
12/21/2016	755.60		77.50	733.91	109.20	702.23	122.60	688.78	100.10	711.58
12/28/2016	757.00	4.37	77.50	733.91	109.20	702.23	122.70	688.68	100.00	711.68
1/4/2017	757.50		77.50	733.91	109.20	702.23	122.70	688.68	100.00	711.68
1/13/2017	758.10		77.50	733.91	109.20	702.23	122.70	688.68	100.00	711.68
1/18/2017	758.30		77.50	733.91	109.20	702.23	122.70	688.68	100.00	711.68
1/25/2017	758.00	6.73	77.50	733.91	109.20	702.23	122.70	688.68	100.00	711.68
2/1/2017	769.10		77.50	733.91	109.20	702.23	122.70	688.68	100.00	711.68
2/8/2017	769.70		77.50	733.91	109.20	702.23	122.70	688.68	100.00	711.68
2/15/2017	770.10		77.50	733.91	109.20	702.23	122.70	688.68	100.00	711.68
2/22/2017	771.80	4.17	77.50	733.91	109.20	702.23	122.70	688.68	100.00	711.68
3/1/2017	771.90		77.50	733.91	109.20	702.23	122.70	688.68	100.00	711.68
3/8/2017	771.20		77.50	733.91	109.20	702.23	122.70	688.68	100.00	711.68
3/15/2017	770.60		77.50	733.91	109.20	702.23	122.70	688.68	100.00	711.68
3/22/2017	769.60		77.50	733.91	109.20	702.23	122.70	688.68	100.00	711.68
3/29/2017	768.40	0.13	77.50	733.91	109.20	702.23	122.70	688.68	100.00	711.68
4/5/2017	769.10		77.50	733.91	109.20	702.23	122.70	688.68	100.00	711.68
4/12/2017	768.00		77.50	733.91	109.20	702.23	122.80	688.58	100.00	711.68
4/19/2017	767.90		77.50	733.91	109.20	702.23	122.80	688.58	100.00	711.68
4/26/2017	767.70	0.07	77.50	733.91	109.20	702.23	122.80	688.58	100.00	711.68

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-1 Upper		R-1 Middle		R-1 Lower		R-2 Upper	
Top Ref. Elev. (ft)			811.500		811.500		811.500		811.900	
Top Ref. Elev. (ft) After 5/21/2012			811.405		811.425		811.380		811.675	
Tip Elev. (ft)			733.405		701.425		669.880		711.675	
Total Depth (ft)			78.0		110.0		141.5		100.0	
Total Depth (ft) After 5/21/2012			78.0		110.0		141.5		100.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-1U		R-1M		R-1L		R-2U	
5/1/2017	767.40		77.50	733.91	109.20	702.23	122.80	688.58	100.00	711.68
5/10/2017	766.50		77.50	733.91	109.20	702.23	122.80	688.58	100.00	711.68
5/17/2017	765.90		77.50	733.91	109.20	702.23	122.80	688.58	100.00	711.68
5/24/2017	765.70		77.50	733.91	109.20	702.23	122.80	688.58	100.00	711.68
5/30/2017	765.50	0.36	77.50	733.91	109.20	702.23	122.80	688.58	100.00	711.68
6/7/2017	765.30		77.50	733.91	109.20	702.23	122.80	688.58	100.00	711.68
6/14/2017	765.10		77.50	733.91	109.20	702.23	122.80	688.58	100.00	711.68
6/21/2017	764.80		77.50	733.91	109.20	702.23	122.80	688.58	100.00	711.68
6/28/2017	764.70	0.05	77.50	733.91	109.20	702.23	122.80	688.58	100.00	711.68
7/5/2017	764.20		77.50	733.91	109.20	702.23	122.80	688.58	100.00	711.68
7/12/2017	763.80		77.50	733.91	109.20	702.23	122.80	688.58	100.00	711.68
7/19/2017	763.20		77.50	733.91	109.20	702.23	122.80	688.58	100.00	711.68
7/26/2017	762.70	0.00	77.50	733.91	109.20	702.23	122.80	688.58	100.00	711.68
8/2/2017	761.90		77.50	733.91	109.20	702.23	122.80	688.58	100.00	711.68
8/9/2017	761.60		77.50	733.91	109.20	702.23	122.80	688.58	100.00	711.68
8/16/2017	761.20		77.50	733.91	109.20	702.23	122.80	688.58	100.00	711.68
8/23/2017	760.60		77.50	733.91	109.20	702.23	122.80	688.58	100.00	711.68
8/30/2017	759.80	0.05	77.50	733.91	109.20	702.23	122.80	688.58	100.00	711.68
9/6/2017	758.90		77.50	733.91	109.20	702.23	122.80	688.58	100.00	711.68
9/13/2017	758.70		77.50	733.91	109.20	702.23	122.70	688.68	100.00	711.68
9/20/2017	758.30		77.50	733.91	109.20	702.23	122.70	688.68	100.30	711.38
9/27/2017	757.80	0.00	77.50	733.91	109.20	702.23	122.70	688.68	100.30	711.38
10/4/2017	757.60		77.50	733.91	109.20	702.23	122.70	688.68	100.30	711.38
10/10/2017	757.10		77.50	733.91	109.20	702.23	122.70	688.68	100.30	711.38
10/18/2017	756.90		77.50	733.91	109.20	702.23	122.70	688.68	100.20	711.48
10/25/2017	756.60	0.00	77.50	733.91	109.20	702.23	122.70	688.68	100.10	711.58
11/1/2017	755.70		77.50	733.91	109.20	702.23	122.70	688.68	100.10	711.58

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-1 Upper		R-1 Middle		R-1 Lower		R-2 Upper	
Top Ref. Elev. (ft)			811.500		811.500		811.500		811.900	
Top Ref. Elev. (ft) After 5/21/2012			811.405		811.425		811.380		811.675	
Tip Elev. (ft)			733.405		701.425		669.880		711.675	
Total Depth (ft)			78.0		110.0		141.5		100.0	
Total Depth (ft) After 5/21/2012			78.0		110.0		141.5		100.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-1U		R-1M		R-1L		R-2U	
11/8/2017	755.30		77.50	733.91	109.20	702.23	122.70	688.68	100.10	711.58
11/15/2017	755.10	0.29	77.50	733.91	109.20	702.23	122.70	688.68	100.10	711.58
12/6/2017	754.20		77.50	733.91	109.20	702.23	122.70	688.68	100.20	711.48
12/13/2017	753.90		77.50	733.91	109.20	702.23	122.70	688.68	100.20	711.48
12/20/2017	753.60		77.50	733.91	109.20	702.23	122.70	688.68	100.00	711.68
12/27/2017	753.30	0.00	77.50	733.91	109.20	702.23	122.70	688.68	100.10	711.58
1/3/2018	753.10		77.50	733.91	109.20	702.23	122.70	688.68	100.10	711.58
1/10/2018	753.10		77.50	733.91	109.20	702.23	122.70	688.68	100.00	711.68
1/17/2018	753.00		77.50	733.91	109.20	702.23	122.70	688.68	100.00	711.68
1/24/2018	752.80		77.50	733.91	109.20	702.23	122.70	688.68	100.00	711.68
1/30/2018	752.60	1.79	77.50	733.91	109.20	702.23	122.70	688.68	100.00	711.68
2/7/2018	752.30		77.50	733.91	109.20	702.23	122.70	688.68	100.00	711.68
2/14/2018	751.80		77.50	733.91	109.20	702.23	122.80	688.58	100.00	711.68
2/21/2018	750.20		77.50	733.91	109.20	702.23	122.80	688.58	100.00	711.68
2/27/2018	750.30	0.60	77.50	733.91	109.20	702.23	122.80	688.58	100.00	711.68
3/7/2018	750.20		77.50	733.91	109.30	702.13	122.80	688.58	100.00	711.68
3/15/2018	750.10		77.50	733.91	109.30	702.13	122.80	688.58	100.10	711.58
3/21/2018	750.80		77.50	733.91	109.30	702.13	122.80	688.58	100.10	711.58
3/28/2018	750.90	0.56	77.50	733.91	109.30	702.13	122.80	688.58	100.10	711.58
4/4/2018	751.70		77.50	733.91	109.30	702.13	122.80	688.58	100.10	711.58
4/11/2018	751.70		77.50	733.91	109.30	702.13	122.90	688.48	100.20	711.48
4/18/2018	750.80		77.50	733.91	109.30	702.13	122.90	688.48	100.30	711.38
4/25/2018	749.50	0.05	77.50	733.91	109.30	702.13	122.90	688.48	100.30	711.38
5/1/2018	750.50		77.50	733.91	109.30	702.13	122.90	688.48	100.30	711.38
5/8/2018	749.40		77.50	733.91	109.30	702.13	122.90	688.48	100.30	711.38
5/15/2018	748.30		77.50	733.91	109.30	702.13	122.90	688.48	100.20	711.48
5/22/2018	747.00		77.50	733.91	109.30	702.13	122.90	688.48	100.20	711.48

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-1 Upper		R-1 Middle		R-1 Lower		R-2 Upper	
Top Ref. Elev. (ft)			811.500		811.500		811.500		811.900	
Top Ref. Elev. (ft) After 5/21/2012			811.405		811.425		811.380		811.675	
Tip Elev. (ft)			733.405		701.425		669.880		711.675	
Total Depth (ft)			78.0		110.0		141.5		100.0	
Total Depth (ft) After 5/21/2012			78.0		110.0		141.5		100.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-1U		R-1M		R-1L		R-2U	
5/29/2018	745.60	0.32	77.50	733.91	109.30	702.13	122.90	688.48	100.30	711.38
6/6/2018	744.70		77.50	733.91	109.30	702.13	122.90	688.48	100.30	711.38
6/13/2018	743.70		77.50	733.91	109.30	702.13	123.00	688.38	100.30	711.38
6/20/2018	742.50		77.50	733.91	109.30	702.13	123.00	688.38	100.30	711.38
6/27/2018	741.20	0.00	77.50	733.91	109.30	702.13	123.00	688.38	100.30	711.38
7/5/2018	739.80		77.50	733.91	109.30	702.13	123.10	688.28	100.30	711.38
7/11/2018	738.70		77.50	733.91	109.30	702.13	123.10	688.28	100.30	711.38
7/18/2018	738.50		77.50	733.91	109.30	702.13	123.20	688.18	100.30	711.38
7/25/2018	738.40	0.00	77.50	733.91	109.30	702.13	123.20	688.18	100.30	711.38
8/1/2018	738.10		77.50	733.91	109.30	702.13	123.20	688.18	100.30	711.38
8/8/2018	737.80		77.50	733.91	109.30	702.13	123.20	688.18	100.30	711.38
8/15/2018	737.70		77.50	733.91	109.30	702.13	123.20	688.18	100.30	711.38
8/22/2018	737.90		77.50	733.91	109.30	702.13	123.20	688.18	100.30	711.38
8/29/2018	737.90	0.00	77.50	733.91	109.30	702.13	123.20	688.18	100.30	711.38
9/5/2018	738.00		77.50	733.91	109.30	702.13	123.20	688.18	100.20	711.48
9/12/2018	737.90		77.50	733.91	109.30	702.13	123.20	688.18	100.20	711.48
9/19/2018	737.60		77.50	733.91	109.30	702.13	123.20	688.18	100.20	711.48
9/26/2018	737.30	0.00	77.50	733.91	109.30	702.13	123.20	688.18	100.20	711.48
10/3/2018	737.50		77.50	733.91	109.30	702.13	123.20	688.18	100.20	711.48
10/10/2018	737.70		77.50	733.91	109.30	702.13	123.30	688.08	100.20	711.48
10/17/2018	738.20		77.50	733.91	109.30	702.13	123.30	688.08	100.20	711.48
10/24/2018	738.60		77.50	733.91	109.30	702.13	123.40	687.98	100.20	711.48
10/30/2018	738.50	0.69	77.50	733.91	109.30	702.13	123.40	687.98	100.20	711.48
11/7/2018	738.40		77.50	733.91	109.30	702.13	123.40	687.98	100.20	711.48
11/16/2018	737.70		77.50	733.91	109.30	702.13	123.40	687.98	100.20	711.48
11/21/2018	737.50		77.50	733.91	109.30	702.13	123.40	687.98	100.20	711.48
11/28/2018	737.20	1.66	77.50	733.91	109.30	702.13	123.40	687.98	100.20	711.48

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-1 Upper		R-1 Middle		R-1 Lower		R-2 Upper	
Top Ref. Elev. (ft)			811.500		811.500		811.500		811.900	
Top Ref. Elev. (ft) After 5/21/2012			811.405		811.425		811.380		811.675	
Tip Elev. (ft)			733.405		701.425		669.880		711.675	
Total Depth (ft)			78.0		110.0		141.5		100.0	
Total Depth (ft) After 5/21/2012			78.0		110.0		141.5		100.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-1U		R-1M		R-1L		R-2U	
12/5/2018	737.60		75.50	735.91	109.30	702.13	123.40	687.98	100.10	711.58
12/12/2018	737.70		75.50	735.91	109.30	702.13	123.40	687.98	100.10	711.58
12/19/2018	737.60		75.50	735.91	109.30	702.13	123.60	687.78	100.10	711.58
12/27/2018	737.40	2.05	75.50	735.91	109.30	702.13	123.70	687.68	100.20	711.48
1/2/2019	737.10		75.50	735.91	109.30	702.13	123.70	687.68	100.20	711.48
1/9/2019	738.40		75.50	735.91	109.30	702.13	123.70	687.68	100.20	711.48
1/16/2019	738.50		75.50	735.91	109.30	702.13	123.70	687.68	100.20	711.48
1/23/2019	740.80		75.50	735.91	109.30	702.13	123.70	687.68	100.10	711.58
1/30/2019	740.70	5.18	75.50	735.91	109.30	702.13	123.70	687.68	100.10	711.58
2/6/2019	745.80		75.50	735.91	109.30	702.13	123.70	687.68	100.10	711.58
2/13/2019	747.80		75.50	735.91	109.30	702.13	123.70	687.68	100.10	711.58
2/20/2019	764.70		75.50	735.91	109.30	702.13	123.50	687.88	100.10	711.58
2/27/2019	766.80	8.65	75.50	735.91	109.20	702.23	123.60	687.78	100.10	711.58
3/6/2019	769.50		75.50	735.91	109.20	702.23	123.50	687.88	100.10	711.58
3/13/2019	772.00		75.50	735.91	109.20	702.23	123.50	687.88	100.20	711.48
3/20/2019	773.30		75.50	735.91	109.20	702.23	123.50	687.88	100.20	711.48
3/27/2019	774.30	2.49	75.50	735.91	109.20	702.23	123.50	687.88	100.20	711.48
4/3/2019	774.50		75.50	735.91	109.20	702.23	123.50	687.88	100.20	711.48
4/10/2019	774.70		75.50	735.91	109.20	702.23	123.40	687.98	100.30	711.38
1/17/2019	774.80		75.50	735.91	109.20	702.23	123.40	687.98	100.20	711.48
4/24/2019	774.90	0.10	75.50	735.91	109.20	702.23	123.40	687.98	100.20	711.48
5/1/2019	774.90		75.50	735.91	109.20	702.23	123.40	687.98	100.20	711.48
5/8/2019	774.90		75.50	735.91	109.20	702.23	123.40	687.98	100.20	711.48
5/15/2019	774.60		75.50	735.91	109.20	702.23	123.40	687.98	100.20	711.48
5/22/2019	773.90		75.50	735.91	109.20	702.23	123.40	687.98	100.20	711.48
5/29/2019	773.10	1.07	75.50	735.91	109.20	702.23	123.40	687.98	100.20	711.48
6/5/2019	772.10		75.50	735.91	109.20	702.23	123.40	687.98	100.20	711.48

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-1 Upper		R-1 Middle		R-1 Lower		R-2 Upper	
Top Ref. Elev. (ft)			811.500		811.500		811.500		811.900	
Top Ref. Elev. (ft) After 5/21/2012			811.405		811.425		811.380		811.675	
Tip Elev. (ft)			733.405		701.425		669.880		711.675	
Total Depth (ft)			78.0		110.0		141.5		100.0	
Total Depth (ft) After 5/21/2012			78.0		110.0		141.5		100.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-1U		R-1M		R-1L		R-2U	
6/12/2019	770.80		75.50	735.91	109.20	702.23	123.40	687.98	100.20	711.48
6/19/2019	769.50		75.50	735.91	109.20	702.23	123.40	687.98	99.90	711.78
6/26/2019	768.10	0.03	75.50	735.91	109.20	702.23	123.40	687.98	99.50	712.18
7/3/2019	766.70		75.50	735.91	109.20	702.23	123.40	687.98	99.50	712.18
7/5/2019	766.20		75.50	735.91	109.20	702.23	123.40	687.98	99.50	712.18
7/10/2019	765.10		75.50	735.91	109.20	702.23	123.40	687.98	99.50	712.18
7/17/2019	763.40		75.50	735.91	109.20	702.23	123.40	687.98	99.50	712.18
7/24/2019	761.70		75.50	735.91	109.20	702.23	123.40	687.98	99.50	712.18
7/30/2019	760.50	0.00	75.50	735.91	109.20	702.23	123.40	687.98	99.50	712.18
8/7/2019	759.60		75.50	735.91	109.20	702.23	123.40	687.98	99.50	712.18
8/14/2019	758.80		75.50	735.91	109.20	702.23	123.40	687.98	99.50	712.18
8/21/2019	757.80		75.50	735.91	109.20	702.23	123.30	688.08	99.50	712.18
8/28/2019	757.20	0.00	75.50	735.91	109.20	702.23	123.30	688.08	99.50	712.18
9/4/2019	756.70		75.50	735.91	109.20	702.23	123.30	688.08	99.50	712.18
9/11/2019	756.30		75.50	735.91	109.20	702.23	123.10	688.28	99.40	712.28
9/18/2019	755.90		75.50	735.91	109.20	702.23	123.00	688.38	99.40	712.28
9/25/2019	755.20	0.00	75.50	735.91	109.20	702.23	122.90	688.48	99.40	712.28
10/2/2019	754.60		77.50	733.91	109.20	702.23	122.90	688.48	99.40	712.28
10/10/2019	754.30		77.50	733.91	109.20	702.23	122.90	688.48	99.40	712.28
10/16/2019	753.90		77.50	733.91	109.20	702.23	122.90	688.48	99.40	712.28
10/26/2019	752.70		77.50	733.91	109.20	702.23	122.90	688.48	99.40	712.28
10/30/2019	752.30	0.00	77.60	733.81	109.20	702.23	122.80	688.58	99.40	712.28
11/6/2019	751.70		77.50	733.91	109.20	702.23	122.70	688.68	99.40	712.28
11/13/2019	751.30		77.50	733.91	109.20	702.23	122.70	688.68	99.40	712.28
11/20/2019	751.20		77.50	733.91	109.20	702.23	122.70	688.68	99.40	712.28
11/27/2019	751.10	2.38	77.50	733.91	109.20	702.23	122.70	688.68	99.40	712.28

Notes:
1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-1 Upper		R-1 Middle		R-1 Lower		R-2 Upper	
Top Ref. Elev. (ft)			811.500		811.500		811.500		811.900	
Top Ref. Elev. (ft) After 5/21/2012			811.405		811.425		811.380		811.675	
Tip Elev. (ft)			733.405		701.425		669.880		711.675	
Total Depth (ft)			78.0		110.0		141.5		100.0	
Total Depth (ft) After 5/21/2012			78.0		110.0		141.5		100.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-1U		R-1M		R-1L		R-2U	
12/4/2019	751.20		77.50	733.91	109.20	702.23	122.70	688.68	99.40	712.28
12/11/2019	751.40		77.50	733.91	109.20	702.23	122.80	688.58	99.40	712.28
12/18/2019	751.30		77.50	733.91	109.20	702.23	122.60	688.78	99.40	712.28
12/26/2019	751.60	4.61	77.50	733.91	109.20	702.23	122.70	688.68	99.40	712.28
1/2/2020	751.80		77.50	733.91	109.20	702.23	122.70	688.68	99.40	712.28
1/8/2020	751.90		77.50	733.91	109.20	702.23	122.50	688.88	100.20	711.48
1/15/2020	751.90		77.50	733.91	109.20	702.23	122.50	688.88	9.00	
1/22/2020	751.90		77.50	733.91	109.20	702.23	122.40	688.98	99.50	712.18
1/29/2020	752.00	0.15	77.50	733.91	109.20	702.23	122.40	688.98	99.50	712.18
2/5/2020	751.90		77.50	733.91	109.20	702.23	122.40	688.98	99.50	712.18
2/12/2020	751.90		77.50	733.91	109.20	702.23	122.40	688.98	99.50	712.18
2/19/2020	751.90		77.50	733.91	109.20	702.23	122.40	688.98	100.30	711.38
2/26/2020	751.90	0.53	77.50	733.91	109.20	702.23	122.40	688.98	100.30	711.38
3/4/2020	751.80		77.50	733.91	109.20	702.23	122.40	688.98	100.00	711.68
3/11/2020	751.80		77.50	733.91	109.20	702.23	122.40	688.98	99.70	711.98
3/18/2020	752.10		77.50	733.91	109.20	702.23	122.40	688.98	99.50	712.18
3/25/2020	753.30	4.31	77.50	733.91	109.20	702.23	122.40	688.98	99.50	712.18
4/1/2020	753.60		77.50	733.91	109.20	702.23	122.40	688.98	99.50	712.18
4/8/2020	755.80		77.50	733.91	109.20	702.23	122.40	688.98	99.50	712.18
4/15/2020	760.50		77.50	733.91	109.20	702.23	122.30	689.08	99.50	712.18
4/22/2020	761.50		77.50	733.91	109.20	702.23	122.30	689.08	99.50	712.18
4/29/2020	761.90	3.88	77.50	733.91	109.20	702.23	122.30	689.08	99.50	712.18
5/6/2020	761.20		77.50	733.91	109.20	702.23	122.30	689.08	99.50	712.18
5/13/2020	762.10		77.50	733.91	109.20	702.23	122.30	689.08	99.50	712.18
5/20/2020	762.20		77.50	733.91	109.20	702.23	122.30	689.08	99.50	712.18
5/27/2020	762.10	0.03	77.50	733.91	109.20	702.23	122.30	689.08	99.50	712.18
6/3/2020	761.90		77.50	733.91	109.20	702.23	122.30	689.08	99.50	712.18

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-1 Upper		R-1 Middle		R-1 Lower		R-2 Upper	
Top Ref. Elev. (ft)			811.500		811.500		811.500		811.900	
Top Ref. Elev. (ft) After 5/21/2012			811.405		811.425		811.380		811.675	
Tip Elev. (ft)			733.405		701.425		669.880		711.675	
Total Depth (ft)			78.0		110.0		141.5		100.0	
Total Depth (ft) After 5/21/2012			78.0		110.0		141.5		100.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-1U		R-1M		R-1L		R-2U	
6/10/2020	761.80		77.50	733.91	109.20	702.23	122.20	689.18	99.50	712.18
6/19/2020	760.10		77.50	733.91	109.20	702.23	122.20	689.18	99.50	712.18
6/24/2020	759.00	0.00	77.50	733.91	109.20	702.23	122.20	689.18	99.50	712.18
7/1/2020	757.30		77.50	733.91	109.20	702.23	122.20	689.18	99.50	712.18
7/8/2020	755.80		77.50	733.91	109.20	702.23	122.30	689.08	99.50	712.18
7/15/2020	754.40		77.50	733.91	109.20	702.23	122.30	689.08	99.50	712.18
7/22/2020	752.90		77.50	733.91	109.20	702.23	122.30	689.08	99.50	712.18
7/29/2020	751.40	0.00	77.50	733.91	109.20	702.23	122.30	689.08	99.50	712.18
8/5/2020	749.90		77.50	733.91	109.20	702.23	122.30	689.08	99.50	712.18
8/12/2020	749.60		77.50	733.91	109.20	702.23	122.30	689.08	99.50	712.18
8/19/2020	749.10		77.50	733.91	109.20	702.23	122.30	689.08	99.50	712.18
8/26/2020	747.90	0.00	77.50	733.91	109.20	702.23	122.30	689.08	99.50	712.18
9/2/2020	746.40		77.50	733.91	109.20	702.23	122.30	689.08	99.50	712.18
9/9/2020	745.70		77.50	733.91	109.20	702.23	122.30	689.08	99.50	712.18
9/16/2020	745.20		77.50	733.91	109.20	702.23	122.30	689.08	99.50	712.18
9/19/2020	747.80		77.50	733.91	109.20	702.23	122.30	689.08	99.50	712.18
9/23/2020	749.40		77.50	733.91	109.20	702.23	122.30	689.08	99.50	712.18
9/30/2020	743.50	0.00	77.50	733.91	109.20	702.23	122.30	689.08	99.50	712.18
10/7/2020	742.70		77.50	733.91	109.20	702.23	122.30	689.08	99.50	712.18
10/14/2020	741.60		77.50	733.91	109.20	702.23	122.30	689.08	99.50	712.18
10/21/2020	740.30		77.50	733.91	109.20	702.23	122.30	689.08	99.50	712.18
10/28/2020	739.90	0.00	77.50	733.91	109.20	702.23	122.40	688.98	99.50	712.18
11/4/2020	739.40		77.50	733.91	109.20	702.23	122.40	688.98	99.50	712.18
11/10/2020	739.20		77.50	733.91	109.20	702.23	122.40	688.98	99.50	712.18
11/18/2020	739.00		77.50	733.91	109.20	702.23	122.40	688.98	99.50	712.18
11/25/2020	738.80	0.54	77.50	733.91	109.20	702.23	122.40	688.98	99.50	712.18
12/2/2020	738.50		77.50	733.91	109.20	702.23	122.40	688.98	99.50	712.18

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-1 Upper		R-1 Middle		R-1 Lower		R-2 Upper	
Top Ref. Elev. (ft)			811.500		811.500		811.500		811.900	
Top Ref. Elev. (ft) After 5/21/2012			811.405		811.425		811.380		811.675	
Tip Elev. (ft)			733.405		701.425		669.880		711.675	
Total Depth (ft)			78.0		110.0		141.5		100.0	
Total Depth (ft) After 5/21/2012			78.0		110.0		141.5		100.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-1U		R-1M		R-1L		R-2U	
12/9/2020	738.20		77.50	733.91	109.20	702.23	122.40	688.98	99.50	712.18
12/16/2020	738.00		77.50	733.91	109.20	702.23	122.40	688.98	100.00	711.68
12/23/2020	738.20	1.72	77.50	733.91	109.20	702.23	122.40	688.98	100.30	711.38
1/6/2021	742.10		77.50	733.91	109.20	702.23	122.40	688.98	100.30	711.38
1/13/2021	742.10		77.50	733.91	109.20	702.23	122.40	688.98	99.60	712.08
1/20/2021	741.80		77.50	733.91	109.20	702.23	122.40	688.98	99.50	712.18
1/27/2021	741.70	1.36	77.50	733.91	109.20	702.23	122.30	689.08	99.50	712.18
2/3/2021	741.80		77.50	733.91	109.20	702.23	122.30	689.08	99.50	712.18
2/10/2021	741.60		77.50	733.91	109.20	702.23	122.30	689.08	99.60	712.08
2/17/2021	741.40		77.50	733.91	109.20	702.23	122.30	689.08	99.50	712.18
2/24/2021	741.00	0.14	77.50	733.91	109.20	702.23	122.30	689.08	99.60	712.08
3/3/2021	740.80		77.50	733.91	109.20	702.23	122.30	689.08	100.10	711.58
3/10/2021	740.60		77.50	733.91	109.20	702.23	122.40	688.98	99.90	711.78
3/17/2021	741.00		77.50	733.91	109.20	702.23	122.40	688.98	99.70	711.98
3/24/2021	740.90		77.50	733.91	109.20	702.23	122.40	688.98	99.60	712.08
3/31/2021	740.60	1.53	77.50	733.91	109.20	702.23	122.40	688.98	99.60	712.08
4/7/2021	740.80		77.50	733.91	109.20	702.23	122.40	688.98	99.60	712.08
4/14/2021	740.70		77.50	733.91	109.20	702.23	122.40	688.98	99.60	712.08
4/21/2021	741.30		77.50	733.91	109.20	702.23	122.40	688.98	99.60	712.08
4/28/2021	742.00	0.00	77.50	733.91	109.20	702.23	122.40	688.98	99.70	711.98
5/5/2021	741.90		77.50	733.91	109.20	702.23	122.40	688.98	99.50	712.18
5/15/2021	740.80		77.50	733.91	109.20	702.23	122.40	688.98	99.60	712.08
5/19/2021	740.40		77.50	733.91	109.20	702.23	122.40	688.98	99.50	712.18
5/26/2021	740.10	0.05	77.50	733.91	109.20	702.23	122.50	688.88	99.50	712.18
6/2/2021	739.60		77.50	733.91	109.20	702.23	122.50	688.88	99.50	712.18
6/9/2021	738.30		77.50	733.91	109.20	702.23	122.50	688.88	99.50	712.18
6/16/2021	737.20		77.50	733.91	109.20	702.23	122.50	688.88	99.50	712.18
6/23/2021	736.00		77.40	734.01	109.20	702.23	122.50	688.88	99.50	712.18

Notes:
1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-1 Upper		R-1 Middle		R-1 Lower		R-2 Upper	
Top Ref. Elev. (ft)			811.500		811.500		811.500		811.900	
Top Ref. Elev. (ft) After 5/21/2012			811.405		811.425		811.380		811.675	
Tip Elev. (ft)			733.405		701.425		669.880		711.675	
Total Depth (ft)			78.0		110.0		141.5		100.0	
Total Depth (ft) After 5/21/2012			78.0		110.0		141.5		100.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-1U		R-1M		R-1L		R-2U	
6/30/2021	736.40	0.00	77.40	734.01	109.20	702.23	122.50	688.88	99.50	712.18
7/7/2021	737.00		77.50	733.91	109.20	702.23	122.50	688.88	99.50	712.18
7/14/2021	737.40		77.50	733.91	109.20	702.23	122.60	688.78	99.50	712.18
7/21/2021	737.80		77.50	733.91	109.20	702.23	122.60	688.78	99.50	712.18
7/28/2021	736.40	0.05	77.50	733.91	109.20	702.23	122.60	688.78	99.50	712.18
8/4/2021	736.30		77.40	734.01	109.20	702.23	122.70	688.68	99.50	712.18
8/11/2021	735.90		77.30	734.11	109.20	702.23	122.70	688.68	99.50	712.18
8/18/2021	735.90		77.20	734.21	109.20	702.23	122.70	688.68	99.50	712.18
8/25/2021	735.70	0.00	77.00	734.41	109.20	702.23	122.70	688.68	99.60	712.08
9/1/2021	735.60		77.00	734.41	109.20	702.23	122.70	688.68	99.50	712.18
9/8/2021	736.00		77.00	734.41	109.20	702.23	122.70	688.68	99.50	712.18
9/15/2021	737.00		77.00	734.41	109.20	702.23	122.70	688.68	99.50	712.18
9/22/2021	737.50		77.00	734.41	109.20	702.23	122.70	688.68	99.50	712.18
9/29/2021	738.00	0.00	76.90	734.51	109.20	702.23	122.70	688.68	99.50	712.18
10/6/2021	738.20		76.90	734.51	109.20	702.23	122.70	688.68	100.30	711.38
10/13/2021	738.70		77.50	733.91	109.20	702.23	122.70	688.68	100.30	711.38
10/22/2021	738.80		77.60	733.81	109.20	702.23	122.70	688.68	100.30	711.38
10/27/2021	739.00	0.46	77.40	734.01	109.20	702.23	122.70	688.68	100.30	711.38
11/3/2021	739.60		77.40	734.01	109.20	702.23	122.90	688.48	100.30	711.38
11/10/2021	740.20		77.40	734.01	109.20	702.23	122.90	688.48	100.30	711.38
11/17/2021	740.20		77.50	733.91	109.20	702.23	122.90	688.48	100.30	711.38
11/24/2021	739.90	0.00	77.50	733.91	109.20	702.23	122.90	688.48	100.30	711.38
12/1/2021	739.50		77.50	733.91	109.20	702.23	123.00	688.38	100.30	711.38
12/8/2021	739.40		77.50	733.91	109.20	702.23	123.00	688.38	100.30	711.38
12/15/2021	740.00		77.50	733.91	109.20	702.23	123.00	688.38	99.70	711.98
12/22/2021	740.00		77.50	733.91	109.20	702.23	123.00	688.38	99.60	712.08
12/29/2021	743.00	7.24	77.50	733.91	109.20	702.23	123.00	688.38	100.20	711.48

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-1 Upper		R-1 Middle		R-1 Lower		R-2 Upper	
Top Ref. Elev. (ft)			811.500		811.500		811.500		811.900	
Top Ref. Elev. (ft) After 5/21/2012			811.405		811.425		811.380		811.675	
Tip Elev. (ft)			733.405		701.425		669.880		711.675	
Total Depth (ft)			78.0		110.0		141.5		100.0	
Total Depth (ft) After 5/21/2012			78.0		110.0		141.5		100.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-1U		R-1M		R-1L		R-2U	
1/6/2022	744.20		77.50	733.91	109.20	702.23	123.00	688.38	99.60	712.08
1/12/2022	744.20		77.50	733.91	109.20	702.23	123.00	688.38	99.60	712.08
1/19/2022	744.10		77.50	733.91	109.20	702.23	123.00	688.38	100.30	711.38
1/26/2022	744.00	0.05	77.50	733.91	109.20	702.23	123.00	688.38	99.60	712.08
2/2/2022	743.80		77.50	733.91	109.20	702.23	123.10	688.28	99.60	712.08
2/9/2022	743.70		77.50	733.91	109.20	702.23	123.10	688.28	99.60	712.08
2/16/2022	743.60		77.50	733.91	109.20	702.23	123.10	688.28	99.60	712.08
2/28/2022	743.40	0.04	77.50	733.91	109.20	702.23	123.10	688.28	100.30	711.38
3/2/2022	743.30		77.50	733.91	109.20	702.23	123.10	688.28	99.60	712.08
3/9/2022	743.10		77.50	733.91	109.20	702.23	123.10	688.28	99.60	712.08
3/16/2022	743.00		77.50	733.91	109.20	702.23	123.20	688.18	99.60	712.08
3/23/2022	742.80		77.50	733.91	109.20	702.23	123.30	688.08	99.60	712.08
3/30/2022	742.10	1.28	77.50	733.91	109.20	702.23	123.40	687.98	99.60	712.08
4/6/2022	741.90		77.50	733.91	109.20	702.23	123.40	687.98	99.60	712.08
4/13/2022	741.60		77.50	733.91	109.20	702.23	123.40	687.98	100.20	711.48
4/20/2022	741.10		77.50	733.91	109.20	702.23	123.40	687.98	99.60	712.08
4/27/2022	740.20	0.25	77.50	733.91	109.20	702.23	123.40	687.98	99.60	712.08
5/4/2022	739.30		77.50	733.91	109.20	702.23	123.30	688.08	99.60	712.08
5/11/2022	738.10		77.50	733.91	109.20	702.23	123.30	688.08	99.60	712.08
5/18/2022	737.90		77.50	733.91	109.20	702.23	123.30	688.08	100.20	711.48
5/25/2022	737.00	0.00	77.50	733.91	109.20	702.23	123.40	687.98	100.40	711.28
6/1/2022	737.00		77.40	734.01	109.20	702.23	123.40	687.98	100.20	711.48
6/8/2022	738.00		77.40	734.01	109.20	702.23	123.40	687.98	100.20	711.48
6/15/2022	738.60		77.40	734.01	109.20	702.23	123.40	687.98	100.40	711.28
6/22/2022	741.70		77.40	734.01	109.20	702.23	123.40	687.98	100.30	711.38
6/29/2022	742.80	0.00	77.40	734.01	109.20	702.23	123.40	687.98	100.30	711.38
7/6/2022	744.60		77.40	734.01	109.20	702.23	123.40	687.98	100.30	711.38

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-1 Upper		R-1 Middle		R-1 Lower		R-2 Upper	
Top Ref. Elev. (ft)			811.500		811.500		811.500		811.900	
Top Ref. Elev. (ft) After 5/21/2012			811.405		811.425		811.380		811.675	
Tip Elev. (ft)			733.405		701.425		669.880		711.675	
Total Depth (ft)			78.0		110.0		141.5		100.0	
Total Depth (ft) After 5/21/2012			78.0		110.0		141.5		100.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-1U		R-1M		R-1L		R-2U	
7/13/2022	745.50		77.40	734.01	109.20	702.23	123.50	687.88	100.30	711.38
7/20/2022	745.50		77.40	734.01	109.20	702.23	123.50	687.88	100.30	711.38
7/27/2022	744.50	0.03	77.40	734.01	109.20	702.23	123.50	687.88	100.30	711.38
8/3/2022	743.00		77.40	734.01	109.20	702.23	123.50	687.88	100.30	711.38
8/10/2022	742.10		77.50	733.91	109.20	702.23	123.60	687.78	100.30	711.38
8/17/2022	744.60		77.50	733.91	109.20	702.23	123.60	687.78	100.30	711.38
8/24/2022	746.60		77.50	733.91	109.20	702.23	123.60	687.78	100.30	711.38
8/31/2022	748.70	0.03	77.50	733.91	109.20	702.23	123.60	687.78	100.30	711.38
9/7/2022	749.60		77.40	734.01	109.20	702.23	123.60	687.78	100.30	711.38
9/14/2022	749.00		77.40	734.01	109.20	702.23	123.60	687.78	100.30	711.38
9/21/2022	747.60		77.40	734.01	109.20	702.23	123.60	687.78	100.30	711.38
9/28/2022	746.00	0.29	77.40	734.01	109.20	702.23	123.60	687.78	100.30	711.38
10/5/2022	744.90		77.40	734.01	109.20	702.23	123.60	687.78	100.30	711.38
10/12/2022	743.90		77.40	734.01	109.20	702.23	123.60	687.78	100.30	711.38
10/19/2022	743.70		77.40	734.01	109.20	702.23	123.70	687.68	100.30	711.38
10/26/2022	743.50	0.44	77.40	734.01	109.20	702.23	123.70	687.68	100.30	711.38
11/2/2022	743.40		77.40	734.01	109.20	702.23	123.70	687.68	100.30	711.38
11/9/2022	744.40		77.40	734.01	109.20	702.23	123.70	687.68	100.30	711.38
11/16/2022	744.30		77.40	734.01	109.20	702.23	123.70	687.68	100.30	711.38
11/23/2022	744.00		77.40	734.01	109.20	702.23	123.70	687.68	100.30	711.38
11/30/2022	743.70	1.24	77.40	734.01	109.20	702.23	123.70	687.68	100.30	711.38
12/1/2022	739.50		77.40	734.01	109.20	702.23	123.00	688.38	100.30	711.38
12/8/2022	739.40		77.40	734.01	109.20	702.23	123.00	688.38	100.30	711.38
12/15/2022	740.00		77.50	733.91	109.20	702.23	123.00	688.38	99.70	711.98
12/22/2022	740.00		77.50	733.91	109.20	702.23	123.00	688.38	99.60	712.08
12/29/2022	742.00	2.62	77.50	733.91	109.20	702.23	123.00	688.38	100.20	711.48
1/4/2023	745.60		77.50	733.91	109.20	702.23	123.80	687.58	100.30	711.38

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-1 Upper		R-1 Middle		R-1 Lower		R-2 Upper	
Top Ref. Elev. (ft)			811.500		811.500		811.500		811.900	
Top Ref. Elev. (ft) After 5/21/2012			811.405		811.425		811.380		811.675	
Tip Elev. (ft)			733.405		701.425		669.880		711.675	
Total Depth (ft)			78.0		110.0		141.5		100.0	
Total Depth (ft) After 5/21/2012			78.0		110.0		141.5		100.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-1U		R-1M		R-1L		R-2U	
1/11/2023	748.90		77.50	733.91	109.20	702.23	123.80	687.58	100.30	711.38
1/18/2023	758.90		77.50	733.91	109.20	702.23	123.80	687.58	100.40	711.28
1/25/2023	760.90	6.31	77.50	733.91	109.20	702.23	123.80	687.58	100.40	711.28
2/1/2023	761.50		78.00	733.41	109.20	702.23	123.80	687.58	100.40	711.28
2/8/2023	761.80		78.00	733.41	109.20	702.23	123.80	687.58	100.40	711.28
2/15/2023	762.00		78.00	733.41	109.20	702.23	123.80	687.58	100.40	711.28
2/22/2023	762.20	2.95	78.00	733.41	109.20	702.23	123.80	687.58	100.40	711.28
3/1/2023	763.60		77.90	733.51	109.20	702.23	123.80	687.58	100.60	711.08
3/8/2023	764.10		77.90	733.51	109.20	702.23	123.80	687.58	100.40	711.28
3/15/2023	764.30		77.90	733.51	109.20	702.23	123.70	687.68	100.40	711.28
3/22/2023	772.80		77.90	733.51	109.20	702.23	123.70	687.68	100.40	711.28
3/29/2023	775.60	6.45	77.90	733.51	109.20	702.23	123.70	687.68	100.40	711.28
4/5/2023	777.40		77.90	733.51	109.20	702.23	123.70	687.68	100.40	711.28
4/12/2023	778.90		77.90	733.51	109.20	702.23	123.60	687.78	100.40	711.28
4/19/2023	779.50		77.90	733.51	109.20	702.23	123.70	687.68	100.40	711.28
4/26/2023	779.80	0.10	77.90	733.51	109.20	702.23	123.70	687.68	100.40	711.28
5/3/2023	779.80		77.80	733.61	109.20	702.23	123.00	688.38	100.40	711.28
5/10/2023	779.90		77.80	733.61	109.20	702.23	123.00	688.38	100.40	711.28
5/17/2023	779.70		77.80	733.61	109.20	702.23	123.00	688.38	100.40	711.28
5/24/2023	779.60	0.79	77.80	733.61	109.20	702.23	123.00	688.38	100.40	711.28
5/31/2023	779.20		77.80	733.61	109.20	702.23	123.00	688.38	100.40	711.28
6/7/2023	779.20		77.80	733.61	109.20	702.23	123.30	688.08	100.40	711.28
6/14/2023	778.90		77.80	733.61	109.20	702.23	123.30	688.08	100.40	711.28
6/21/2023	778.50		77.80	733.61	109.20	702.23	123.30	688.08	100.40	711.28
6/28/2023	777.90	0.09	77.80	733.61	109.20	702.23	123.30	688.08	100.40	711.28
7/5/2023	777.40		77.80	733.61	109.20	702.23	123.30	688.08	100.40	711.28
7/12/2023	776.70		77.80	733.61	109.20	702.23	123.00	688.38	100.20	711.48

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-1 Upper		R-1 Middle		R-1 Lower		R-2 Upper	
Top Ref. Elev. (ft)			811.500		811.500		811.500		811.900	
Top Ref. Elev. (ft) After 5/21/2012			811.405		811.425		811.380		811.675	
Tip Elev. (ft)			733.405		701.425		669.880		711.675	
Total Depth (ft)			78.0		110.0		141.5		100.0	
Total Depth (ft) After 5/21/2012			78.0		110.0		141.5		100.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-1U		R-1M		R-1L		R-2U	
7/19/2023	776.00		77.80	733.61	109.20	702.23	123.00	688.38	100.20	711.48
7/26/2023	775.00	0.00	77.80	733.61	109.20	702.23	123.00	688.38	100.20	711.48
8/3/2023	774.40		77.80	733.61	109.90	701.53	123.00	688.38	100.20	711.48
8/9/2023	774.00		77.80	733.61	109.90	701.53	123.00	688.38	100.20	711.48
8/16/2023	773.50		77.80	733.61	109.90	701.53	123.00	688.38	100.20	711.48
8/23/2023	773.50		77.80	733.61	109.90	701.53	123.00	688.38	100.20	711.48
8/31/2023	773.30	2.00	77.80	733.61	109.90	701.53	123.00	688.38	100.20	711.48
9/6/2023	773.20		77.80	733.61	109.90	701.53	122.00	689.38	100.20	711.48
9/13/2023	772.60		77.80	733.61	109.90	701.53	122.00	689.38	100.20	711.48
9/20/2023	772.10		77.80	733.61	109.90	701.53	122.00	689.38	100.20	711.48
9/27/2023	771.40	0.04	77.80	733.61	109.90	701.53	122.00	689.38	100.20	711.48
10/5/2023	770.40		77.80	733.61	109.90	701.53	121.70	689.68	100.20	711.48
10/12/2023	769.50		77.80	733.61	109.90	701.53	121.50	689.88	100.20	711.48
10/18/2023	768.30		77.80	733.61	109.90	701.53	121.60	689.78	100.20	711.48
10/25/2023	765.20	0.18	77.80	733.61	109.90	701.53	121.40	689.98	100.20	711.48
11/2/2023	762.70		77.80	733.61	109.90	701.53	121.40	689.98	100.20	711.48
11/8/2023	762.50		77.80	733.61	109.90	701.53	121.40	689.98	100.20	711.48
11/16/2023	762.40		77.80	733.61	109.90	701.53	121.40	689.98	100.20	711.48
11/21/2023	762.10		77.80	733.61	109.90	701.53	121.40	689.98	100.20	711.48
11/28/2023	761.60	0.52	77.80	733.61	109.90	701.53	121.40	689.98	100.20	711.48
12/7/2023	761.00		77.80	733.61	109.90	701.53	120.90	690.48	100.20	711.48
12/12/2023	760.70		77.80	733.61	109.90	701.53	120.90	690.48	100.20	711.48
12/19/2023	760.20	1.09	77.80	733.61	109.90	701.53	120.90	690.48	100.20	711.48

Notes:
1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-2 Middle		R-2 Lower		R-3 Upper		R-3 Middle	
Top Ref. Elev. (ft)			811.900		811.900		812.200		812.200	
Top Ref. Elev. (ft) After 5/21/2012			811.675		811.675		812.000		812.025	
Tip Elev. (ft)			670.175		654.675		737.500		690.025	
Total Depth (ft)			141.5		157.0		74.5		122.0	
Total Depth (ft) After 5/21/2012			141.5		157.0		74.5		122.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-2M		R-2L		R-3U		R-3M	
1/10/2007	749.70		140.30	671.60	144.90	667.00	74.50	737.70	71.20	741.00
1/19/2007	749.40		140.30	671.60	144.90	667.00	74.50	737.70	71.20	741.00
1/29/2007	749.60		140.30	671.60	144.90	667.00	74.50	737.70	71.20	741.00
2/7/2007	750.00		140.30	671.60	144.90	667.00	74.50	737.70	71.20	741.00
2/16/2007	750.20		140.30	671.60	144.90	667.00	74.50	737.70	71.20	741.00
2/26/2007	750.60		140.30	671.60	144.90	667.00	74.50	737.70	71.20	741.00
3/6/2007	751.70		140.30	671.60	144.90	667.00	74.50	737.70	71.20	741.00
3/17/2007	755.10		140.30	671.60	144.90	667.00	74.50	737.70	71.20	741.00
3/25/2007	756.30		140.30	671.60	145.00	666.90	74.50	737.70	71.20	741.00
4/6/2007	760.00		140.30	671.60	145.00	666.90	74.50	737.70	71.20	741.00
4/16/2007	762.90		140.30	671.60	145.00	666.90	74.50	737.70	71.10	741.10
4/27/2007	767.10		140.30	671.60	145.00	666.90	74.50	737.70	71.10	741.10
5/9/2007	766.80		140.30	671.60	145.00	666.90	74.50	737.70	71.20	741.00
5/19/2007	764.80		140.30	671.60	145.00	666.90	74.50	737.70	71.20	741.00
5/29/2007	762.80		140.30	671.60	145.00	666.90	74.50	737.70	71.10	741.10
6/8/2007	761.20		140.30	671.60	145.00	666.90	74.50	737.70	71.10	741.10
6/18/2007	759.90		140.30	671.60	145.00	666.90	74.50	737.70	71.10	741.10
6/28/2007	758.10		140.30	671.60	145.00	666.90	74.50	737.70	71.10	741.10
7/10/2007	756.70		140.30	671.60	145.00	666.90	74.50	737.70	71.10	741.10
7/19/2007	755.80		140.30	671.60	145.00	666.90	74.50	737.70	71.10	741.10
7/30/2007	754.90		140.30	671.60	145.00	666.90	74.50	737.70	71.10	741.10
8/11/2007	754.40		140.30	671.60	145.00	666.90	74.50	737.70	71.10	741.10
8/22/2007	753.80		140.30	671.60	145.00	666.90	74.50	737.70	71.10	741.10
8/30/2007	753.30		140.30	671.60	145.00	666.90	74.50	737.70	71.10	741.10
9/7/2007	753.20		140.30	671.60	145.00	666.90	74.50	737.70	71.10	741.10
9/18/2007	753.00		140.30	671.60	145.00	666.90	74.50	737.70	71.10	741.10
9/27/2007	753.60		140.30	671.60	145.00	666.90	74.50	737.70	71.10	741.10

Notes:

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2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-2 Middle		R-2 Lower		R-3 Upper		R-3 Middle	
Top Ref. Elev. (ft)			811.900		811.900		812.200		812.200	
Top Ref. Elev. (ft) After 5/21/2012			811.675		811.675		812.000		812.025	
Tip Elev. (ft)			670.175		654.675		737.500		690.025	
Total Depth (ft)			141.5		157.0		74.5		122.0	
Total Depth (ft) After 5/21/2012			141.5		157.0		74.5		122.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-2M		R-2L		R-3U		R-3M	
10/8/2007	754.90		140.30	671.60	145.00	666.90	74.50	737.70	71.10	741.10
10/17/2007	756.20		140.30	671.60	145.00	666.90	74.50	737.70	71.10	741.10
10/30/2007	757.80		140.30	671.60	145.00	666.90	74.50	737.70	71.10	741.10
11/9/2007	759.60		140.30	671.60	145.00	666.90	74.50	737.70	71.10	741.10
11/19/2007	763.60		140.30	671.60	145.00	666.90	74.50	737.70	71.10	741.10
11/28/2007	766.50		140.30	671.60	145.00	666.90	74.50	737.70	71.10	741.10
12/8/2007	768.70		140.30	671.60	145.00	666.90	74.50	737.70	71.10	741.10
12/18/2007	768.50		140.30	671.60	145.00	666.90	74.50	737.70	71.00	741.20
12/28/2007	769.30		140.30	671.60	145.00	666.90	74.50	737.70	70.50	741.70
1/9/2008	770.50		140.30	671.60	145.00	666.90	74.50	737.70	70.80	741.40
1/19/2008	770.30		140.30	671.60	145.00	666.90	74.50	737.70	70.70	741.50
1/29/2008	772.70		140.30	671.60	145.00	666.90	74.50	737.70	70.70	741.50
2/9/2008	774.10		140.30	671.60	145.00	666.90	74.50	737.70	70.80	741.40
2/19/2008	774.40		140.30	671.60	145.00	666.90	74.50	737.70	70.80	741.40
2/27/2008	775.00		140.30	671.60	145.00	666.90	74.50	737.70	70.70	741.50
3/7/2008	775.00		140.30	671.60	145.00	666.90	74.50	737.70	70.70	741.50
3/18/2008	775.00		140.30	671.60	145.00	666.90	74.50	737.70	70.70	741.50
3/29/2008	774.90		140.30	671.60	145.00	666.90	74.50	737.70	70.70	741.50
4/10/2008	775.00		140.30	671.60	145.00	666.90	74.50	737.70	70.70	741.50
4/20/2008	774.80		140.30	671.60	145.00	666.90	74.50	737.70	70.70	741.50
5/5/2008	774.65		140.30	671.60	145.00	666.90	74.50	737.70	70.70	741.50
5/13/2008	773.90		140.30	671.60	145.00	666.90	74.50	737.70	70.70	741.50
5/21/2008	772.85		140.30	671.60	145.00	666.90	74.50	737.70	70.70	741.50
5/31/2008	772.10		140.30	671.60	145.00	666.90	74.50	737.70	70.70	741.50
6/9/2008	771.20		140.30	671.60	145.00	666.90	74.50	737.70	70.80	741.40
6/18/2008	770.50		140.30	671.60	144.90	667.00	74.50	737.70	70.80	741.40
6/26/2008	769.60		140.30	671.60	144.80	667.10	74.50	737.70	70.80	741.40

Notes:

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2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-2 Middle		R-2 Lower		R-3 Upper		R-3 Middle	
Top Ref. Elev. (ft)			811.900		811.900		812.200		812.200	
Top Ref. Elev. (ft) After 5/21/2012			811.675		811.675		812.000		812.025	
Tip Elev. (ft)			670.175		654.675		737.500		690.025	
Total Depth (ft)			141.5		157.0		74.5		122.0	
Total Depth (ft) After 5/21/2012			141.5		157.0		74.5		122.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-2M		R-2L		R-3U		R-3M	
7/8/2008	768.10		140.00	671.90	144.80	667.10	74.50	737.70	70.80	741.40
7/19/2008	766.60		140.00	671.90	144.80	667.10	74.50	737.70	70.80	741.40
7/29/2008	765.50	0.00	140.00	671.90	144.80	667.10	74.50	737.70	70.80	741.40
8/4/2008	764.60	0.00	140.00	671.90	144.80	667.10	74.50	737.70	70.80	741.40
8/9/2008	764.25	0.00	140.00	671.90	144.80	667.10	74.50	737.70	70.80	741.40
8/19/2008	763.20	0.00	140.00	671.90	144.70	667.20	74.50	737.70	70.80	741.40
8/28/2008	762.25	0.00	140.00	671.90	144.80	667.10	74.50	737.70	70.80	741.40
9/6/2008	761.00	0.00	140.00	671.90	144.80	667.10	74.50	737.70	70.80	741.40
9/17/2008	760.10	0.00	140.00	671.90	144.80	667.10	74.50	737.70	70.80	741.40
9/29/2008	759.20	0.00	140.00	671.90	144.50	667.40	74.50	737.70	70.80	741.40
10/8/2008	759.00	0.00	140.00	671.90	144.80	667.10	74.50	737.70	70.80	741.40
10/18/2008	758.90	0.00	140.00	671.90	144.80	667.10	74.50	737.70	70.80	741.40
10/29/2008	761.30	0.00	140.00	671.90	144.80	667.10	74.50	737.70	70.80	741.40
11/8/2008	764.30	0.00	140.00	671.90	144.80	667.10	74.50	737.70	70.80	741.40
11/17/2008	766.90	0.00	140.00	671.90	144.80	667.10	74.50	737.70	70.80	741.40
11/25/2008	769.90	1.71	140.00	671.90	144.80	667.10	74.50	737.70	70.80	741.40
12/4/2008	773.90		140.00	671.90	144.80	667.10	74.50	737.70	70.80	741.40
12/13/2008	777.30		140.00	671.90	144.90	667.00	74.50	737.70	70.50	741.70
12/21/2008	779.10		140.00	671.90	144.90	667.00	74.50	737.70	70.20	742.00
12/30/2008	779.40	3.99	140.00	671.90	144.90	667.00	74.50	737.70	69.80	742.40
1/8/2009	779.30		140.00	671.90	144.80	667.10	74.50	737.70	70.00	742.20
1/19/2009	778.50		140.00	671.90	144.70	667.20	74.50	737.70	69.90	742.30
1/29/2009	778.30	0.38	140.00	671.90	144.70	667.20	74.50	737.70	69.80	742.40
2/12/2009	779.80		140.00	671.90	144.70	667.20	74.50	737.70	69.80	742.40
2/19/2009	781.30		140.00	671.90	144.70	667.20	74.50	737.70	69.80	742.40
2/27/2009	782.20	4.33	140.00	671.90	144.70	667.20	74.50	737.70	69.80	742.40
3/10/2009	782.70		140.00	671.90	144.70	667.20	74.50	737.70	69.80	742.40

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-2 Middle		R-2 Lower		R-3 Upper		R-3 Middle	
Top Ref. Elev. (ft)			811.900		811.900		812.200		812.200	
Top Ref. Elev. (ft) After 5/21/2012			811.675		811.675		812.000		812.025	
Tip Elev. (ft)			670.175		654.675		737.500		690.025	
Total Depth (ft)			141.5		157.0		74.5		122.0	
Total Depth (ft) After 5/21/2012			141.5		157.0		74.5		122.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-2M		R-2L		R-3U		R-3M	
3/20/2009	782.40		140.00	671.90	144.70	667.20	74.50	737.70	69.80	742.40
3/25/2009	782.20	0.43	140.00	671.90	144.70	667.20	74.50	737.70	69.80	742.40
4/4/2009	785.30		140.00	671.90	144.70	667.20	74.50	737.70	69.80	742.40
4/13/2009	788.50		140.00	671.90	144.70	667.20	74.50	737.70	69.80	742.40
4/21/2009	790.50		140.00	671.90	144.70	667.20	74.50	737.70	69.80	742.40
4/26/2009	791.20	0.00	140.00	671.90	144.70	667.20	74.50	737.70	69.80	742.40
5/4/2009	791.30		140.00	671.90	144.70	667.20	74.50	737.70	69.80	742.40
5/13/2009	790.60		140.00	671.90	144.70	667.20	74.50	737.70	69.80	742.40
5/21/2009	789.90		140.00	671.90	144.70	667.20	74.50	737.70	69.80	742.40
5/30/2009	789.30	0.00	140.00	671.90	144.70	667.20	74.50	737.70	69.90	742.30
6/8/2009	788.70		140.00	671.90	144.70	667.20	74.50	737.70	69.90	742.30
6/17/2009	788.20		140.00	671.90	144.70	667.20	74.50	737.70	69.90	742.30
6/27/2009	787.60	0.00	140.00	671.90	144.70	667.20	74.50	737.70	69.90	742.30
7/7/2009	786.80		140.00	671.90	144.50	667.40	74.50	737.70	69.90	742.30
7/15/2009	786.10		140.00	671.90	143.40	668.50	74.50	737.70	69.90	742.30
7/22/2009	785.50		140.00	671.90	143.40	668.50	74.50	737.70	69.90	742.30
7/30/2009	784.70	0.00	140.00	671.90	143.40	668.50	74.50	737.70	69.90	742.30
8/8/2009	783.90		140.00	671.90	143.50	668.40	74.50	737.70	69.90	742.30
8/15/2009	783.30		140.00	671.90	143.60	668.30	74.50	737.70	69.90	742.30
8/26/2009	782.30	0.00	140.00	671.90	143.60	668.30	74.50	737.70	69.90	742.30
9/5/2009	781.50		140.00	671.90	143.70	668.20	74.50	737.70	69.90	742.30
9/12/2009	780.80		140.00	671.90	143.80	668.10	74.50	737.70	69.90	742.30
9/19/2009	780.20		140.00	671.90	143.80	668.10	74.50	737.70	69.90	742.30
9/28/2009	779.50	0.00	140.00	671.90	143.80	668.10	74.50	737.70	69.90	742.30
10/8/2009	778.50		140.00	671.90	143.80	668.10	74.50	737.70	69.90	742.30
10/19/2009	777.80		140.00	671.90	143.80	668.10	74.50	737.70	69.90	742.30
10/30/2009	776.80	0.24	140.00	671.90	143.80	668.10	74.50	737.70	69.90	742.30

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-2 Middle		R-2 Lower		R-3 Upper		R-3 Middle	
Top Ref. Elev. (ft)			811.900		811.900		812.200		812.200	
Top Ref. Elev. (ft) After 5/21/2012			811.675		811.675		812.000		812.025	
Tip Elev. (ft)			670.175		654.675		737.500		690.025	
Total Depth (ft)			141.5		157.0		74.5		122.0	
Total Depth (ft) After 5/21/2012			141.5		157.0		74.5		122.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-2M		R-2L		R-3U		R-3M	
11/9/2009	776.10		140.00	671.90	143.90	668.00	74.50	737.70	69.90	742.30
11/20/2009	775.40		140.00	671.90	144.00	667.90	74.50	737.70	69.90	742.30
11/28/2009	774.90	0.00	140.00	671.90	143.00	668.90	74.50	737.70	69.90	742.30
12/9/2009	774.60		140.00	671.90	143.00	668.90	74.50	737.70	69.90	742.30
12/18/2009	774.60		140.00	671.90	143.00	668.90	74.50	737.70	69.90	742.30
12/29/2009	774.30	3.56	140.00	671.90	143.00	668.90	74.50	737.70	69.90	742.30
1/9/2010	773.90		140.00	671.90	143.10	668.80	74.50	737.70	69.90	742.30
1/17/2010	773.60		140.00	671.90	143.20	668.70	74.50	737.70	69.90	742.30
1/28/2010	779.90	7.84	140.00	671.90	143.00	668.90	74.50	737.70	69.90	742.30
2/4/2010	780.15		140.00	671.90	143.90	668.00	74.50	737.70	69.90	742.30
2/12/2010	783.40		140.00	671.90	143.80	668.10	74.50	737.70	69.90	742.30
2/19/2010	784.00		140.00	671.90	143.80	668.10	74.50	737.70	69.90	742.30
2/26/2010	784.45	2.69	140.00	671.90	143.80	668.10	74.50	737.70	69.90	742.30
3/6/2010	785.60		140.00	671.90	143.70	668.20	74.50	737.70	69.70	742.50
3/15/2010	786.20		140.00	671.90	143.70	668.20	74.50	737.70	69.50	742.70
3/16/2010	786.30		140.00	671.90	143.70	668.20	74.50	737.70	69.50	742.70
3/24/2010	786.20	2.03	140.00	671.90	143.70	668.20	74.50	737.70	69.50	742.70
4/2/2010	785.80		140.00	671.90	143.60	668.30	74.50	737.70	69.00	743.20
4/4/2010	785.80		140.00	671.90	143.60	668.30	74.50	737.70	69.00	743.20
4/12/2010	787.40		140.00	671.90	143.50	668.40	74.50	737.70	69.00	743.20
4/20/2010	790.10		140.00	671.90	143.50	668.40	74.50	737.70	69.00	743.20
4/28/2010	792.60	1.19	140.00	671.90	143.40	668.50	74.50	737.70	69.00	743.20
5/6/2010	792.90		140.00	671.90	143.20	668.70	74.50	737.70	69.00	743.20
5/14/2010	792.40		140.00	671.90	143.10	668.80	74.50	737.70	69.00	743.20
5/21/2010	792.10		140.00	671.90	143.00	668.90	74.50	737.70	69.10	743.10
5/29/2010	791.70	0.00	140.00	671.90	142.90	669.00	74.50	737.70	69.10	743.10
6/8/2010	791.00		140.00	671.90	142.90	669.00	74.50	737.70	69.10	743.10

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-2 Middle		R-2 Lower		R-3 Upper		R-3 Middle	
Top Ref. Elev. (ft)			811.900		811.900		812.200		812.200	
Top Ref. Elev. (ft) After 5/21/2012			811.675		811.675		812.000		812.025	
Tip Elev. (ft)			670.175		654.675		737.500		690.025	
Total Depth (ft)			141.5		157.0		74.5		122.0	
Total Depth (ft) After 5/21/2012			141.5		157.0		74.5		122.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-2M		R-2L		R-3U		R-3M	
6/15/2010	790.60		140.00	671.90	142.80	669.10	74.50	737.70	69.10	743.10
6/22/2010	790.10		140.00	671.90	142.80	669.10	74.50	737.70	69.10	743.10
6/29/2010	789.70	0.00	140.00	671.90	142.80	669.10	74.50	737.70	69.10	743.10
7/8/2010	789.20		140.00	671.90	143.00	668.90	74.50	737.70	69.10	743.10
7/16/2010	788.70		140.00	671.90	143.00	668.90	74.50	737.70	69.10	743.10
7/23/2010	788.30		140.00	671.90	143.10	668.80	74.50	737.70	69.10	743.10
7/31/2010	787.70	0.00	140.00	671.90	143.10	668.80	74.50	737.70	69.10	743.10
8/7/2010	787.30		140.00	671.90	143.00	668.90	74.50	737.70	69.10	743.10
8/15/2010	786.70		140.00	671.90	143.10	668.80	74.50	737.70	69.10	743.10
8/23/2010	786.10		140.00	671.90	143.10	668.80	74.50	737.70	69.10	743.10
8/29/2010	785.60	0.00	140.00	671.90	143.10	668.80	74.50	737.70	69.10	743.10
9/8/2010	784.90		140.00	671.90	143.10	668.80	74.50	737.70	69.10	743.10
9/17/2010	784.20		140.00	671.90	143.10	668.80	74.50	737.70	69.10	743.10
9/27/2010	783.50	0.00	140.00	671.90	143.20	668.70	74.50	737.70	69.10	743.10
10/8/2010	782.80		140.00	671.90	143.20	668.70	74.50	737.70	69.10	743.10
10/18/2010	782.20		140.00	671.90	143.20	668.70	74.50	737.70	69.10	743.10
10/28/2010	782.00	1.76	140.00	671.90	143.30	668.60	74.50	737.70	69.10	743.10
11/4/2010	781.70		140.00	671.90	143.30	668.60	74.50	737.70	69.10	743.10
11/15/2010	781.10		140.00	671.90	143.30	668.60	74.50	737.70	69.10	743.10
11/26/2010	780.80	1.33	140.00	671.90	143.30	668.60	74.50	737.70	69.10	743.10
12/8/2010	780.50		140.00	671.90	143.30	668.60	74.50	737.70	69.10	743.10
12/16/2010	780.40		140.00	671.90	143.30	668.60	74.50	737.70	69.10	743.10
12/30/2010	792.60	11.72	139.90	672.00	142.90	669.00	75.40	736.80	62.80	749.40
1/6/2011	792.20		140.00	671.90	143.10	668.80	74.60	737.60	62.30	749.90
1/7/2011	792.20		140.00	671.90	143.10	668.80	74.60	737.60	62.30	749.90
1/17/2011	792.00		139.00	672.90	143.10	668.80	74.60	737.60	62.30	749.90
1/27/2011	791.80	1.11	139.10	672.80	143.10	668.80	74.60	737.60	62.30	749.90

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-2 Middle		R-2 Lower		R-3 Upper		R-3 Middle	
Top Ref. Elev. (ft)			811.900		811.900		812.200		812.200	
Top Ref. Elev. (ft) After 5/21/2012			811.675		811.675		812.000		812.025	
Tip Elev. (ft)			670.175		654.675		737.500		690.025	
Total Depth (ft)			141.5		157.0		74.5		122.0	
Total Depth (ft) After 5/21/2012			141.5		157.0		74.5		122.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-2M		R-2L		R-3U		R-3M	
2/5/2011	791.80		139.00	672.90	143.10	668.80	74.60	737.60	62.10	750.10
2/15/2011	791.80		139.00	672.90	143.10	668.80	74.60	737.60	62.10	750.10
2/23/2011	792.20	2.87	139.00	672.90	143.10	668.80	74.60	737.60	62.00	750.20
3/8/2011	792.10		139.00	672.90	143.10	668.80	74.60	737.60	62.00	750.20
3/19/2011	791.80		139.00	672.90	143.10	668.80	74.60	737.60	62.00	750.20
3/30/2011	791.50	3.23	139.00	672.90	143.10	668.80	74.80	737.40	61.40	750.80
4/7/2011	792.10		139.00	672.90	143.00	668.90	74.80	737.40	61.30	750.90
4/16/2011	792.50		139.00	672.90	143.70	668.20	74.80	737.40	60.70	751.50
4/23/2011	792.60		139.70	672.20	143.40	668.50	74.70	737.50	60.40	751.80
4/30/2011	792.60	0.00	139.90	672.00	142.80	669.10	74.60	737.60	60.00	752.20
5/9/2011	792.40		139.90	672.00	142.80	669.10	74.60	737.60	60.00	752.20
5/16/2011	792.40		139.90	672.00	142.80	669.10	74.60	737.60	60.00	752.20
5/24/2011	792.40		139.90	672.00	142.80	669.10	74.60	737.60	59.90	752.30
5/31/2011	792.40	0.81	139.90	672.00	142.80	669.10	74.60	737.60	59.90	752.30
6/8/2011	792.10		140.00	671.90	142.80	669.10	74.60	737.60	59.90	752.30
6/16/2011	791.90		140.00	671.90	142.80	669.10	74.60	737.60	59.90	752.30
6/23/2011	791.80		140.00	671.90	142.80	669.10	74.60	737.60	59.90	752.30
6/30/2011	791.60	0.00	140.00	671.90	142.80	669.10	74.60	737.60	60.00	752.20
7/8/2011	791.40		140.00	671.90	142.90	669.00	74.60	737.60	59.90	752.30
7/14/2011	791.20		140.00	671.90	142.90	669.00	74.60	737.60	59.90	752.30
7/21/2011	790.90		140.00	671.90	142.90	669.00	74.60	737.60	59.90	752.30
7/30/2011	790.40	0.00	140.00	671.90	142.90	669.00	74.60	737.60	59.90	752.30
8/9/2011	789.90		140.00	671.90	142.90	669.00	74.60	737.60	59.90	752.30
8/15/2011	789.70		140.00	671.90	143.00	668.90	74.60	737.60	59.90	752.30
8/24/2011	789.00		140.00	671.90	143.00	668.90	74.60	737.60	59.90	752.30
9/1/2011	788.65	0.00	140.00	671.90	143.00	668.90	74.60	737.60	59.90	752.30
9/9/2011	787.90		140.00	671.90	143.00	668.90	74.60	737.60	59.90	752.30

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-2 Middle		R-2 Lower		R-3 Upper		R-3 Middle	
Top Ref. Elev. (ft)			811.900		811.900		812.200		812.200	
Top Ref. Elev. (ft) After 5/21/2012			811.675		811.675		812.000		812.025	
Tip Elev. (ft)			670.175		654.675		737.500		690.025	
Total Depth (ft)			141.5		157.0		74.5		122.0	
Total Depth (ft) After 5/21/2012			141.5		157.0		74.5		122.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-2M		R-2L		R-3U		R-3M	
9/16/2011	787.30		140.00	671.90	143.00	668.90	74.60	737.60	59.90	752.30
9/23/2011	787.00		140.00	671.90	143.00	668.90	74.60	737.60	59.90	752.30
9/29/2011	786.80	0.08	140.00	671.90	143.00	668.90	74.60	737.60	59.90	752.30
10/8/2011	786.60		140.00	671.90	143.10	668.80	74.60	737.60	59.90	752.30
10/15/2011	786.40		140.00	671.90	143.30	668.60	74.60	737.60	59.90	752.30
10/26/2011	786.00	1.29	140.00	671.90	143.40	668.50	74.60	737.60	59.90	752.30
11/5/2011	785.50		140.00	671.90	143.40	668.50	74.60	737.60	59.90	752.30
11/14/2011	785.40		140.00	671.90	143.40	668.50	74.60	737.60	59.90	752.30
11/22/2011	785.10		140.00	671.90	143.40	668.50	74.60	737.60	58.80	753.40
11/30/2011	785.10	1.79	140.00	671.90	143.50	668.40	74.60	737.60	59.30	752.90
12/9/2011	784.80		140.00	671.90	143.50	668.40	74.60	737.60	59.40	752.80
12/17/2011	784.60		140.10	671.80	143.50	668.40	74.60	737.60	59.50	752.70
12/22/2011	784.50		140.10	671.80	143.30	668.60	74.60	737.60	59.60	752.60
12/30/2011	784.30	0.45	140.20	671.70	143.30	668.60	74.60	737.60	59.80	752.40
1/7/2012	784.00		140.20	671.70	143.50	668.40	74.60	737.60	59.70	752.50
1/14/2012	783.80		140.10	671.80	143.50	668.40	74.60	737.60	59.60	752.60
1/21/2012	783.60		140.10	671.80	143.60	668.30	74.60	737.60	59.70	752.50
1/28/2012	783.60	1.72	140.10	671.80	143.60	668.30	74.60	737.60	59.70	752.50
2/7/2012	783.40		140.10	671.80	143.60	668.30	74.60	737.60	59.70	752.50
2/15/2012	783.40		140.10	671.80	143.70	668.20	74.60	737.60	59.60	752.60
2/25/2012	783.40	0.62	140.10	671.80	143.60	668.30	74.60	737.60	59.70	752.50
3/5/2012	783.20		140.10	671.80	143.60	668.30	74.60	737.60	59.70	752.50
3/15/2012	782.70		140.10	671.80	143.60	668.30	74.60	737.60	59.70	752.50
3/22/2012	782.60	2.01	140.10	671.80	143.70	668.20	74.60	737.60	59.70	752.50
4/3/2012	782.50		140.10	671.80	143.60	668.30	74.60	737.60	59.70	752.50
4/12/2012	782.10		140.10	671.80	143.60	668.30	74.60	737.60	59.70	752.50
4/21/2012	782.00		140.10	671.80	143.60	668.30	74.60	737.60	59.70	752.50

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-2 Middle		R-2 Lower		R-3 Upper		R-3 Middle	
Top Ref. Elev. (ft)			811.900		811.900		812.200		812.200	
Top Ref. Elev. (ft) After 5/21/2012			811.675		811.675		812.000		812.025	
Tip Elev. (ft)			670.175		654.675		737.500		690.025	
Total Depth (ft)			141.5		157.0		74.5		122.0	
Total Depth (ft) After 5/21/2012			141.5		157.0		74.5		122.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-2M		R-2L		R-3U		R-3M	
4/23/2012	781.90	1.32	140.10	671.80	143.60	668.30	74.60	737.60	59.70	752.50
5/1/2012	781.70		140.10	671.80	143.90	668.00	74.60	737.60	59.70	752.50
5/7/2012	781.30		140.10	671.80	143.60	668.30	74.60	737.60	59.70	752.50
5/21/2012	780.90		140.10	671.80	143.60	668.30	74.60	737.60	59.70	752.50
5/25/2012	780.00	0.06	140.10	671.58	143.70	667.98	4.30		59.70	752.33
6/4/2012	779.60		140.10	671.58	143.70	667.98	4.30		59.70	752.33
6/13/2012	778.70		140.10	671.58	143.70	667.98	4.30		59.70	752.33
6/20/2012	778.00		140.10	671.58	143.70	667.98	4.30		59.70	752.33
6/25/2012	777.30	0.00	140.10	671.58	143.70	667.98	4.30		59.70	752.33
7/4/2012	776.30		140.10	671.58	143.80	667.88	4.30		59.70	752.33
7/13/2012	775.70		140.10	671.58	144.00	667.68	4.30		59.70	752.33
7/20/2012	775.20		140.10	671.58	144.00	667.68	4.30		59.70	752.33
7/30/2012	775.00	0.10	140.10	671.58	144.00	667.68	4.30		59.70	752.33
8/8/2012	773.00		140.10	671.58	144.10	667.58	4.20		59.70	752.33
8/9/2012	772.90		140.10	671.58	144.10	667.58	4.20		59.70	752.33
8/18/2012	772.00		140.20	671.48	144.10	667.58	4.20		59.70	752.33
8/27/2012	771.10		140.20	671.48	144.10	667.58	4.20		59.70	752.33
8/29/2012	770.90	0.00	140.20	671.48	144.10	667.58	4.20		59.70	752.33
9/8/2012	769.80		140.20	671.48	144.10	667.58	4.20		59.70	752.33
9/15/2012	768.90		140.20	671.48	144.10	667.58	4.20		59.70	752.33
9/29/2012	767.80	0.00	140.20	671.48	144.10	667.58	4.20		59.70	752.33
10/11/2012	766.80		140.30	671.38	144.20	667.48	4.20		59.70	752.33
10/23/2012	765.90	1.10	140.30	671.38	144.30	667.38	4.20		59.70	752.33
11/12/2012	764.60		140.30	671.38	144.30	667.38	4.20		59.70	752.33
11/23/2012	764.30	0.16	140.30	671.38	144.30	667.38	4.20		59.70	752.33
12/12/2012	764.50	2.46	140.30	671.38	144.30	667.38	4.20		59.70	752.33
12/27/2012	769.10		140.30	671.38	144.30	667.38	4.20		59.70	752.33

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-2 Middle		R-2 Lower		R-3 Upper		R-3 Middle	
Top Ref. Elev. (ft)			811.900		811.900		812.200		812.200	
Top Ref. Elev. (ft) After 5/21/2012			811.675		811.675		812.000		812.025	
Tip Elev. (ft)			670.175		654.675		737.500		690.025	
Total Depth (ft)			141.5		157.0		74.5		122.0	
Total Depth (ft) After 5/21/2012			141.5		157.0		74.5		122.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-2M		R-2L		R-3U		R-3M	
1/16/2013	770.40		140.30	671.38	144.30	667.38	4.20		59.70	752.33
1/28/2013	769.90	1.82	140.30	671.38	144.40	667.28	4.20		59.70	752.33
2/15/2013	769.60		140.30	671.38	144.40	667.28	4.20		59.70	752.33
2/26/2013	769.40	0.68	140.30	671.38	144.40	667.28	4.20		59.70	752.33
3/13/2013	768.80		140.30	671.38	144.40	667.28	4.20		59.70	752.33
3/26/2013	768.60	0.66	140.30	671.38	144.40	667.28	4.20		59.70	752.33
4/10/2013	771.10		140.30	671.38	144.40	667.28	4.20		59.70	752.33
4/30/2013	772.20	0.00	140.30	671.38	144.40	667.28	4.20		59.70	752.33
5/9/2013	771.90		140.20	671.48	144.60	667.08	4.60		59.70	752.33
5/15/2013	771.70		140.20	671.48	144.60	667.08	73.80	738.20	59.70	752.33
5/22/2013	771.40		140.20	671.48	144.60	667.08	73.80	738.20	59.70	752.33
5/30/2013	771.00	0.00	140.20	671.48	144.60	667.08	73.80	738.20	59.70	752.33
6/6/2013	770.80		140.30	671.38	144.60	667.08	73.90	738.10	59.80	752.23
6/13/2013	769.30		140.30	671.38	144.60	667.08	73.90	738.10	59.80	752.23
6/20/2013	769.00		140.30	671.38	144.60	667.08	73.90	738.10	59.80	752.23
6/26/2013	768.60	0.00	140.30	671.38	144.60	667.08	73.90	738.10	59.80	752.23
7/2/2013	767.80		140.30	671.38	144.60	667.08	73.90	738.10	59.80	752.23
7/10/2013	766.90		140.30	671.38	144.60	667.08	73.90	738.10	59.80	752.23
7/16/2013	766.50		140.30	671.38	144.60	667.08	73.90	738.10	59.80	752.23
7/29/2013	765.20	0.00	140.30	671.38	144.60	667.08	73.90	738.10	59.80	752.23
8/5/2013	764.50		140.30	671.38	144.60	667.08	73.90	738.10	59.80	752.23
8/12/2013	763.80		140.30	671.38	144.60	667.08	73.90	738.10	59.80	752.23
8/19/2013	763.30		140.30	671.38	144.60	667.08	73.90	738.10	59.80	752.23
8/26/2013	762.40	0.00	140.30	671.38	144.60	667.08	73.90	738.10	59.80	752.23
9/2/2013	761.50		140.30	671.38	144.60	667.08	73.90	738.10	59.80	752.23
9/10/2013	760.70		140.30	671.38	144.60	667.08	73.90	738.10	59.80	752.23
9/17/2013	759.90		140.30	671.38	144.60	667.08	73.90	738.10	59.80	752.23

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-2 Middle		R-2 Lower		R-3 Upper		R-3 Middle	
Top Ref. Elev. (ft)			811.900		811.900		812.200		812.200	
Top Ref. Elev. (ft) After 5/21/2012			811.675		811.675		812.000		812.025	
Tip Elev. (ft)			670.175		654.675		737.500		690.025	
Total Depth (ft)			141.5		157.0		74.5		122.0	
Total Depth (ft) After 5/21/2012			141.5		157.0		74.5		122.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-2M		R-2L		R-3U		R-3M	
9/23/2013	759.40		140.30	671.38	144.60	667.08	73.90	738.10	59.80	752.23
9/30/2013	758.70	0.00	140.30	671.38	144.60	667.08	73.90	738.10	59.80	752.23
10/7/2013	758.30		140.30	671.38	144.60	667.08	73.90	738.10	59.70	752.33
10/14/2013	757.60		140.30	671.38	144.60	667.08	73.90	738.10	59.70	752.33
10/21/2013	756.60		140.30	671.38	144.60	667.08	73.90	738.10	59.70	752.33
10/28/2013	756.00	0.00	140.30	671.38	144.60	667.08	73.90	738.10	59.70	752.33
11/4/2013	755.70		140.30	671.38	144.70	666.98	73.90	738.10	59.70	752.33
11/11/2013	756.10		140.40	671.28	144.70	666.98	73.90	738.10	59.70	752.33
11/18/2013	755.70		140.40	671.28	144.70	666.98	73.90	738.10	59.70	752.33
11/25/2013	755.40	0.55	140.30	671.38	144.70	666.98	73.90	738.10	59.70	752.33
12/2/2013	755.30		140.30	671.38	144.80	666.88	73.90	738.10	59.70	752.33
12/10/2013	755.40		140.30	671.38	144.90	666.78	73.90	738.10	59.70	752.33
12/16/2013	755.20		140.30	671.38	144.90	666.78	73.90	738.10	59.70	752.33
12/23/2013	755.20		140.30	671.38	144.90	666.78	73.90	738.10	59.70	752.33
12/30/2013	754.80	0.83	140.30	671.38	144.90	666.78	73.90	738.10	59.70	752.33
1/6/2014	754.50		140.40	671.28	145.00	666.68	73.90	738.10	59.70	752.33
1/13/2014	755.00		140.40	671.28	145.00	666.68	73.90	738.10	59.70	752.33
1/20/2014	754.60		140.40	671.28	145.00	666.68	73.90	738.10	59.70	752.33
1/27/2014	754.30	0.00	140.40	671.28	145.00	666.68	73.90	738.10	59.70	752.33
2/3/2014	754.10		140.30	671.38	145.00	666.68	73.90	738.10	59.70	752.33
2/10/2014	754.70		140.20	671.48	145.00	666.68	73.90	738.10	59.70	752.33
2/17/2014	754.50		140.20	671.48	145.00	666.68	73.90	738.10	59.70	752.33
2/24/2014	754.20	0.83	140.40	671.28	145.00	666.68	73.90	738.10	59.70	752.33
3/3/2014	754.50		140.40	671.28	145.00	666.68	73.90	738.10	59.70	752.33
3/10/2014	755.20		140.30	671.38	145.00	666.68	73.90	738.10	59.70	752.33
3/19/2014	755.90		140.30	671.38	145.00	666.68	73.90	738.10	59.70	752.33
3/25/2014	758.80		140.30	671.38	145.00	666.68	73.90	738.10	59.70	752.33

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-2 Middle		R-2 Lower		R-3 Upper		R-3 Middle	
Top Ref. Elev. (ft)			811.900		811.900		812.200		812.200	
Top Ref. Elev. (ft) After 5/21/2012			811.675		811.675		812.000		812.025	
Tip Elev. (ft)			670.175		654.675		737.500		690.025	
Total Depth (ft)			141.5		157.0		74.5		122.0	
Total Depth (ft) After 5/21/2012			141.5		157.0		74.5		122.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-2M		R-2L		R-3U		R-3M	
3/29/2014	760.50		140.30	671.38	145.00	666.68	73.90	738.10	59.70	752.33
3/31/2014	761.60	1.85	140.30	671.38	145.00	666.68	73.90	738.10	59.70	752.33
4/1/2014	762.00		140.30	671.38	145.00	666.68	73.90	738.10	59.70	752.33
4/8/2014	764.70		140.30	671.38	145.00	666.68	73.90	738.10	59.70	752.33
4/15/2014	766.60		140.30	671.38	145.00	666.68	73.90	738.10	59.70	752.33
4/22/2014	768.60		140.30	671.38	145.00	666.68	73.90	738.10	59.70	752.33
4/29/2014	770.40	0.88	140.30	671.38	145.00	666.68	73.90	738.10	59.70	752.33
5/5/2014	769.70		140.30	671.38	145.00	666.68	73.90	738.10	59.70	752.33
5/12/2014	769.00		140.30	671.38	145.00	666.68	73.90	738.10	59.70	752.33
5/19/2014	768.00		140.30	671.38	145.00	666.68	73.90	738.10	59.70	752.33
5/26/2014	767.10	0.00	140.30	671.38	145.00	666.68	73.90	738.10	59.70	752.33
6/2/2014	766.20		140.30	671.38	144.90	666.78	73.90	738.10	59.70	752.33
6/9/2014	765.40		140.30	671.38	144.90	666.78	73.90	738.10	59.70	752.33
6/16/2014	764.30		140.30	671.38	144.90	666.78	73.90	738.10	59.70	752.33
6/23/2014	763.10		140.30	671.38	144.90	666.78	73.90	738.10	59.70	752.33
6/27/2014	762.30	0.00	140.30	671.38	144.90	666.78	73.90	738.10	59.70	752.33
7/7/2014	760.90		140.30	671.38	144.90	666.78	73.90	738.10	59.70	752.33
7/14/2014	760.00		140.30	671.38	144.90	666.78	73.90	738.10	59.70	752.33
7/21/2014	759.10		140.30	671.38	144.90	666.78	73.90	738.10	59.70	752.33
7/28/2014	757.90	0.06	140.30	671.38	144.90	666.78	73.90	738.10	59.70	752.33
8/4/2014	756.80		140.30	671.38	144.90	666.78	73.90	738.10	59.70	752.33
8/11/2014	755.60		140.30	671.38	144.90	666.78	73.90	738.10	59.70	752.33
8/18/2014	754.70		140.30	671.38	144.90	666.78	73.90	738.10	59.70	752.33
8/25/2014	753.30	0.05	140.30	671.38	144.90	666.78	73.90	738.10	59.70	752.33
9/2/2014	751.60		140.30	671.38	144.90	666.78	73.90	738.10	59.70	752.33
9/8/2014	750.50		140.30	671.38	144.90	666.78	73.90	738.10	59.70	752.33
9/15/2014	749.40		140.30	671.38	144.90	666.78	73.90	738.10	59.70	752.33

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-2 Middle		R-2 Lower		R-3 Upper		R-3 Middle	
Top Ref. Elev. (ft)			811.900		811.900		812.200		812.200	
Top Ref. Elev. (ft) After 5/21/2012			811.675		811.675		812.000		812.025	
Tip Elev. (ft)			670.175		654.675		737.500		690.025	
Total Depth (ft)			141.5		157.0		74.5		122.0	
Total Depth (ft) After 5/21/2012			141.5		157.0		74.5		122.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-2M		R-2L		R-3U		R-3M	
9/22/2014	748.30		140.30	671.38	144.90	666.78	73.90	738.10	59.70	752.33
9/29/2014	747.20	0.00	140.30	671.38	144.90	666.78	73.90	738.10	59.70	752.33
10/6/2014	745.70		140.30	671.38	144.90	666.78	73.90	738.10	59.70	752.33
10/13/2014	746.70		140.30	671.38	144.90	666.78	73.90	738.10	59.70	752.33
10/20/2014	746.60		140.30	671.38	144.90	666.78	73.90	738.10	59.70	752.33
10/27/2014	745.80	0.00	140.30	671.38	145.00	666.68	73.90	738.10	59.70	752.33
11/3/2014	746.40		140.30	671.38	145.00	666.68	73.90	738.10	59.70	752.33
11/10/2014	747.20		140.30	671.38	145.00	666.68	73.90	738.10	59.70	752.33
11/17/2014	747.70		140.30	671.38	145.00	666.68	73.90	738.10	59.70	752.33
11/24/2014	748.80	0.61	140.30	671.38	145.00	666.68	73.90	738.10	59.70	752.33
12/1/2014	748.30		140.30	671.38	145.00	666.68	73.90	738.10	59.70	752.33
12/8/2014	749.10		140.00	671.68	145.00	666.68	73.90	738.10	59.70	752.33
12/15/2014	749.80		140.00	671.68	145.10	666.58	73.90	738.10	59.70	752.33
12/29/2014	750.90	5.37	140.40	671.28	145.20	666.48	73.90	738.10	59.70	752.33
1/5/2015	751.30		140.40	671.28	145.20	666.48	73.90	738.10	59.70	752.33
1/12/2015	751.80		140.20	671.48	145.20	666.48	73.90	738.10	59.70	752.33
1/19/2015	752.30		140.20	671.48	145.20	666.48	73.90	738.10	59.70	752.33
1/26/2015	752.60	1.48	140.20	671.48	145.20	666.48	73.90	738.10	59.70	752.33
2/4/2015	753.10		140.40	671.28	145.20	666.48	73.90	738.10	59.70	752.33
2/9/2015	753.30		140.40	671.28	145.20	666.48	73.90	738.10	59.70	752.33
2/16/2015	753.80		140.40	671.28	145.20	666.48	73.90	738.10	59.70	752.33
2/23/2015	753.90	0.44	140.40	671.28	145.20	666.48	73.90	738.10	59.70	752.33
3/2/2015	754.50		140.40	671.28	145.20	666.48	73.90	738.10	59.70	752.33
3/9/2015	755.00		140.40	671.28	145.20	666.48	73.90	738.10	59.70	752.33
3/16/2015	755.30		140.20	671.48	145.20	666.48	73.90	738.10	59.70	752.33
3/23/2015	755.50		140.20	671.48	145.20	666.48	73.90	738.10	59.70	752.33
3/30/2015	755.70	0.57	140.20	671.48	145.20	666.48	73.90	738.10	59.70	752.33

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-2 Middle		R-2 Lower		R-3 Upper		R-3 Middle	
Top Ref. Elev. (ft)			811.900		811.900		812.200		812.200	
Top Ref. Elev. (ft) After 5/21/2012			811.675		811.675		812.000		812.025	
Tip Elev. (ft)			670.175		654.675		737.500		690.025	
Total Depth (ft)			141.5		157.0		74.5		122.0	
Total Depth (ft) After 5/21/2012			141.5		157.0		74.5		122.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-2M		R-2L		R-3U		R-3M	
4/6/2015	755.60		140.20	671.48	145.20	666.48	73.90	738.10	59.70	752.33
4/13/2015	755.80		140.20	671.48	145.20	666.48	73.90	738.10	59.80	752.23
4/20/2015	755.90		140.20	671.48	145.20	666.48	73.90	738.10	59.80	752.23
4/27/2015	755.90	0.20	140.20	671.48	145.20	666.48	73.90	738.10	59.80	752.23
5/4/2015	755.60		140.20	671.48	145.20	666.48	73.90	738.10	59.70	752.33
5/11/2015	755.30		140.20	671.48	145.20	666.48	73.90	738.10	59.70	752.33
5/18/2015	755.20		140.20	671.48	145.20	666.48	73.90	738.10	59.80	752.23
5/26/2015	755.30	0.95	140.20	671.48	145.20	666.48	73.90	738.10	59.80	752.23
6/1/2015	755.20		140.20	671.48	145.20	666.48	73.90	738.10	59.70	752.33
6/8/2015	755.10		140.20	671.48	145.20	666.48	73.90	738.10	59.70	752.33
6/15/2015	755.20		140.20	671.48	145.20	666.48	73.90	738.10	59.70	752.33
6/22/2015	754.80		140.20	671.48	145.20	666.48	73.90	738.10	59.70	752.33
6/29/2015	754.20	0.00	140.20	671.48	145.20	666.48	73.90	738.10	59.70	752.33
7/10/2015	753.30		140.10	671.58	145.50	666.18	73.90	738.10	59.70	752.33
7/15/2015	753.00		140.10	671.58	145.20	666.48	73.90	738.10	59.70	752.33
7/21/2015	752.80		140.40	671.28	145.00	666.68	73.90	738.10	59.70	752.33
7/28/2015	752.40	0.00	140.70	670.98	145.20	666.48	73.90	738.10	59.70	752.33
8/4/2015	752.00		140.70	670.98	145.20	666.48	73.90	738.10	59.70	752.33
8/11/2015	751.60		140.30	671.38	145.20	666.48	73.90	738.10	59.70	752.33
8/18/2015	751.10		140.30	671.38	145.20	666.48	73.90	738.10	59.70	752.33
8/25/2015	750.60	0.00	140.30	671.38	145.20	666.48	73.90	738.10	59.70	752.33
9/1/2015	749.90		140.30	671.38	145.20	666.48	73.90	738.10	59.70	752.33
9/8/2015	749.00		140.20	671.48	145.20	666.48	73.90	738.10	59.70	752.33
9/15/2015	748.70		140.20	671.48	145.20	666.48	73.90	738.10	59.70	752.33
9/22/2015	748.40		140.20	671.48	145.20	666.48	73.90	738.10	59.70	752.33
9/29/2015	748.00	2.27	140.20	671.48	145.20	666.48	73.90	738.10	59.70	752.33
10/6/2015	747.60		140.20	671.48	145.20	666.48	73.90	738.10	59.70	752.33

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-2 Middle		R-2 Lower		R-3 Upper		R-3 Middle	
Top Ref. Elev. (ft)			811.900		811.900		812.200		812.200	
Top Ref. Elev. (ft) After 5/21/2012			811.675		811.675		812.000		812.025	
Tip Elev. (ft)			670.175		654.675		737.500		690.025	
Total Depth (ft)			141.5		157.0		74.5		122.0	
Total Depth (ft) After 5/21/2012			141.5		157.0		74.5		122.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-2M		R-2L		R-3U		R-3M	
10/13/2015	747.10		140.20	671.48	145.20	666.48	73.90	738.10	59.70	752.33
10/20/2015	746.70		140.20	671.48	145.20	666.48	73.90	738.10	59.70	752.33
10/27/2015	746.00	0.56	140.20	671.48	145.20	666.48	73.90	738.10	59.70	752.33
11/4/2015	745.70		140.20	671.48	145.20	666.48	73.90	738.10	59.70	752.33
11/11/2015	745.20		140.20	671.48	145.20	666.48	73.90	738.10	59.70	752.33
11/18/2015	744.80		140.20	671.48	145.20	666.48	73.90	738.10	59.70	752.33
11/25/2015	744.20	0.12	140.20	671.48	145.20	666.48	73.90	738.10	59.70	752.33
12/1/2015	743.70		140.20	671.48	145.20	666.48	73.90	738.10	59.70	752.33
12/8/2015	743.10		140.20	671.48	145.20	666.48	73.90	738.10	59.70	752.33
12/15/2015	742.70		140.20	671.48	145.20	666.48	73.90	738.10	59.70	752.33
12/22/2015	742.30		140.20	671.48	145.20	666.48	73.90	738.10	59.70	752.33
12/29/2015	742.10	1.29	140.20	671.48	145.20	666.48	73.90	738.10	59.70	752.33
1/5/2016	741.70		140.20	671.48	145.30	666.38	73.90	738.10	59.70	752.33
1/12/2016	742.30		140.20	671.48	145.40	666.28	73.90	738.10	59.70	752.33
1/19/2016	742.00		140.20	671.48	145.30	666.38	73.90	738.10	59.70	752.33
1/26/2016	741.80	3.51	140.20	671.48	145.40	666.28	73.90	738.10	59.70	752.33
2/2/2016	741.40		140.20	671.48	145.40	666.28	73.90	738.10	59.70	752.33
2/9/2016	741.00		140.20	671.48	145.40	666.28	73.90	738.10	59.80	752.23
2/16/2016	740.50		140.20	671.48	145.40	666.28	73.90	738.10	59.80	752.23
2/23/2016	740.20	0.35	140.20	671.48	145.40	666.28	73.90	738.10	59.80	752.23
3/1/2016	739.70		140.20	671.48	145.40	666.28	73.90	738.10	59.80	752.23
3/9/2016	739.40		140.20	671.48	145.40	666.28	73.90	738.10	59.80	752.23
3/17/2016	739.30		140.20	671.48	145.40	666.28	73.90	738.10	59.80	752.23
3/23/2016	739.10		140.20	671.48	145.50	666.18	73.90	738.10	59.80	752.23
3/30/2016	738.50	1.59	140.20	671.48	145.50	666.18	73.90	738.10	59.80	752.23
4/6/2016	738.00		140.20	671.48	145.50	666.18	73.90	738.10	59.80	752.23
4/13/2016	737.60		140.20	671.48	145.50	666.18	73.90	738.10	59.80	752.23

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-2 Middle		R-2 Lower		R-3 Upper		R-3 Middle	
Top Ref. Elev. (ft)			811.900		811.900		812.200		812.200	
Top Ref. Elev. (ft) After 5/21/2012			811.675		811.675		812.000		812.025	
Tip Elev. (ft)			670.175		654.675		737.500		690.025	
Total Depth (ft)			141.5		157.0		74.5		122.0	
Total Depth (ft) After 5/21/2012			141.5		157.0		74.5		122.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-2M		R-2L		R-3U		R-3M	
4/20/2016	736.90		140.20	671.48	145.50	666.18	73.90	738.10	59.80	752.23
4/27/2016	736.20	0.07	140.20	671.48	145.50	666.18	73.90	738.10	59.80	752.23
5/4/2016	736.90		140.20	671.48	145.50	666.18	73.90	738.10	59.80	752.23
5/11/2016	737.50		140.20	671.48	145.50	666.18	73.90	738.10	59.80	752.23
5/18/2016	737.00		140.20	671.48	145.50	666.18	73.90	738.10	59.80	752.23
5/25/2016	737.60	1.21	140.20	671.48	145.50	666.18	73.90	738.10	59.80	752.23
6/1/2016	737.60		140.20	671.48	145.50	666.18	73.90	738.10	59.80	752.23
6/8/2016	737.90		140.20	671.48	145.50	666.18	73.90	738.10	59.80	752.23
6/15/2016	738.00		140.20	671.48	145.50	666.18	73.90	738.10	59.80	752.23
6/23/2016	737.70		140.20	671.48	145.50	666.18	73.90	738.10	59.80	752.23
6/29/2016	737.50	0.00	140.20	671.48	145.50	666.18	73.90	738.10	59.80	752.23
7/6/2016	737.40		140.20	671.48	145.50	666.18	73.90	738.10	59.80	752.23
7/15/2016	737.40		140.20	671.48	145.50	666.18	73.90	738.10	59.80	752.23
7/20/2016	737.10		140.20	671.48	145.50	666.18	73.90	738.10	59.80	752.23
7/27/2016	736.70	0.00	140.20	671.48	145.50	666.18	73.90	738.10	59.80	752.23
8/3/2016	736.90		140.20	671.48	145.50	666.18	73.90	738.10	59.80	752.23
8/10/2016	737.10		140.20	671.48	145.50	666.18	73.90	738.10	59.80	752.23
8/17/2016	736.60		140.30	671.38	145.50	666.18	73.90	738.10	59.80	752.23
8/24/2016	736.70		140.30	671.38	145.50	666.18	73.90	738.10	59.80	752.23
8/30/2016	736.70	0.00	140.50	671.18	145.50	666.18	73.90	738.10	59.80	752.23
9/7/2016	737.30		140.30	671.38	145.50	666.18	73.90	738.10	59.80	752.23
9/14/2016	737.90		140.30	671.38	145.50	666.18	73.90	738.10	59.80	752.23
9/21/2016	738.80		140.30	671.38	145.50	666.18	73.90	738.10	59.80	752.23
9/28/2016	739.60	0.00	140.30	671.38	145.50	666.18	73.90	738.10	59.80	752.23
10/5/2016	739.50		140.30	671.38	145.50	666.18	73.90	738.10	59.80	752.23
10/12/2016	739.20		140.30	671.38	145.60	666.08	73.90	738.10	59.80	752.23
10/19/2016	739.30		140.30	671.38	145.60	666.08	73.90	738.10	59.80	752.23

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-2 Middle		R-2 Lower		R-3 Upper		R-3 Middle	
Top Ref. Elev. (ft)			811.900		811.900		812.200		812.200	
Top Ref. Elev. (ft) After 5/21/2012			811.675		811.675		812.000		812.025	
Tip Elev. (ft)			670.175		654.675		737.500		690.025	
Total Depth (ft)			141.5		157.0		74.5		122.0	
Total Depth (ft) After 5/21/2012			141.5		157.0		74.5		122.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-2M		R-2L		R-3U		R-3M	
10/26/2016	740.00	0.89	140.30	671.38	145.60	666.08	73.90	738.10	59.80	752.23
11/2/2016	741.80		140.30	671.38	145.60	666.08	73.90	738.10	59.80	752.23
11/9/2016	741.80		140.30	671.38	145.60	666.08	73.90	738.10	59.80	752.23
11/16/2016	744.00		140.30	671.38	145.60	666.08	73.90	738.10	59.80	752.23
11/23/2016	747.60		140.30	671.38	145.60	666.08	73.90	738.10	59.80	752.23
11/29/2016	750.90	1.62	140.30	671.38	145.60	666.08	73.90	738.10	59.80	752.23
12/7/2016	753.40		140.30	671.38	145.60	666.08	73.90	738.10	59.80	752.23
12/14/2016	753.70		140.30	671.38	145.60	666.08	73.90	738.10	59.80	752.23
12/21/2016	755.60		140.00	671.68	145.50	666.18	73.90	738.10	59.80	752.23
12/28/2016	757.00	4.37	139.60	672.08	145.50	666.18	73.90	738.10	59.80	752.23
1/4/2017	757.50		139.60	672.08	145.50	666.18	73.90	738.10	59.80	752.23
1/13/2017	758.10		140.10	671.58	145.50	666.18	73.90	738.10	59.80	752.23
1/18/2017	758.30		139.60	672.08	145.50	666.18	73.90	738.10	59.80	752.23
1/25/2017	758.00	6.73	138.40	673.28	145.60	666.08	73.90	738.10	59.80	752.23
2/1/2017	769.10		138.40	673.28	145.60	666.08	73.90	738.10	59.80	752.23
2/8/2017	769.70		140.30	671.38	145.40	666.28	73.90	738.10	59.80	752.23
2/15/2017	770.10		140.30	671.38	145.50	666.18	73.90	738.10	59.80	752.23
2/22/2017	771.80	4.17	140.30	671.38	145.20	666.48	73.90	738.10	59.80	752.23
3/1/2017	771.90		140.30	671.38	145.20	666.48	73.90	738.10	59.80	752.23
3/8/2017	771.20		140.30	671.38	145.20	666.48	73.90	738.10	59.80	752.23
3/15/2017	770.60		140.20	671.48	145.20	666.48	73.90	738.10	59.80	752.23
3/22/2017	769.60		140.10	671.58	145.20	666.48	73.90	738.10	59.80	752.23
3/29/2017	768.40	0.13	140.20	671.48	145.20	666.48	73.90	738.10	59.80	752.23
4/5/2017	769.10		140.20	671.48	145.20	666.48	73.90	738.10	59.80	752.23
4/12/2017	768.00		140.20	671.48	145.20	666.48	73.90	738.10	59.80	752.23
4/19/2017	767.90		140.20	671.48	145.00	666.68	73.90	738.10	59.80	752.23
4/26/2017	767.70	0.07	140.20	671.48	145.10	666.58	73.90	738.10	59.80	752.23

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-2 Middle		R-2 Lower		R-3 Upper		R-3 Middle	
Top Ref. Elev. (ft)			811.900		811.900		812.200		812.200	
Top Ref. Elev. (ft) After 5/21/2012			811.675		811.675		812.000		812.025	
Tip Elev. (ft)			670.175		654.675		737.500		690.025	
Total Depth (ft)			141.5		157.0		74.5		122.0	
Total Depth (ft) After 5/21/2012			141.5		157.0		74.5		122.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-2M		R-2L		R-3U		R-3M	
5/1/2017	767.40		140.20	671.48	145.10	666.58	73.90	738.10	59.80	752.23
5/10/2017	766.50		140.20	671.48	145.10	666.58	73.90	738.10	59.80	752.23
5/17/2017	765.90		140.20	671.48	145.10	666.58	73.90	738.10	59.80	752.23
5/24/2017	765.70		140.20	671.48	145.10	666.58	73.90	738.10	59.80	752.23
5/30/2017	765.50	0.36	140.20	671.48	145.10	666.58	73.90	738.10	59.80	752.23
6/7/2017	765.30		140.20	671.48	145.10	666.58	73.90	738.10	59.80	752.23
6/14/2017	765.10		140.20	671.48	145.10	666.58	73.90	738.10	59.80	752.23
6/21/2017	764.80		140.20	671.48	145.10	666.58	73.90	738.10	59.80	752.23
6/28/2017	764.70	0.05	140.20	671.48	145.10	666.58	73.90	738.10	59.80	752.23
7/5/2017	764.20		140.20	671.48	145.10	666.58	73.90	738.10	59.80	752.23
7/12/2017	763.80		140.20	671.48	145.10	666.58	73.90	738.10	59.80	752.23
7/19/2017	763.20		140.20	671.48	145.10	666.58	73.90	738.10	59.80	752.23
7/26/2017	762.70	0.00	140.20	671.48	145.10	666.58	73.90	738.10	59.80	752.23
8/2/2017	761.90		140.20	671.48	145.10	666.58	73.90	738.10	59.80	752.23
8/9/2017	761.60		140.20	671.48	145.10	666.58	73.90	738.10	59.80	752.23
8/16/2017	761.20		140.20	671.48	145.10	666.58	73.90	738.10	59.80	752.23
8/23/2017	760.60		140.20	671.48	145.10	666.58	73.90	738.10	59.80	752.23
8/30/2017	759.80	0.05	140.20	671.48	145.10	666.58	73.90	738.10	59.80	752.23
9/6/2017	758.90		140.20	671.48	145.10	666.58	73.90	738.10	59.80	752.23
9/13/2017	758.70		140.10	671.58	145.10	666.58	73.90	738.10	59.90	752.13
9/20/2017	758.30		140.20	671.48	145.10	666.58	73.90	738.10	59.90	752.13
9/27/2017	757.80	0.00	140.20	671.48	145.10	666.58	73.90	738.10	59.90	752.13
10/4/2017	757.60		140.20	671.48	145.10	666.58	73.90	738.10	59.90	752.13
10/10/2017	757.10		140.20	671.48	145.10	666.58	73.90	738.10	59.90	752.13
10/18/2017	756.90		140.20	671.48	145.20	666.48	73.90	738.10	59.90	752.13
10/25/2017	756.60	0.00	140.20	671.48	145.20	666.48	73.90	738.10	59.90	752.13
11/1/2017	755.70		140.20	671.48	145.20	666.48	73.90	738.10	59.90	752.13

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-2 Middle		R-2 Lower		R-3 Upper		R-3 Middle	
Top Ref. Elev. (ft)			811.900		811.900		812.200		812.200	
Top Ref. Elev. (ft) After 5/21/2012			811.675		811.675		812.000		812.025	
Tip Elev. (ft)			670.175		654.675		737.500		690.025	
Total Depth (ft)			141.5		157.0		74.5		122.0	
Total Depth (ft) After 5/21/2012			141.5		157.0		74.5		122.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-2M		R-2L		R-3U		R-3M	
11/8/2017	755.30		140.20	671.48	145.20	666.48	73.90	738.10	59.90	752.13
11/15/2017	755.10	0.29	140.20	671.48	145.20	666.48	73.90	738.10	59.90	752.13
12/6/2017	754.20		140.20	671.48	145.20	666.48	73.90	738.10	59.90	752.13
12/13/2017	753.90		140.20	671.48	145.20	666.48	73.90	738.10	59.90	752.13
12/20/2017	753.60		140.20	671.48	145.20	666.48	73.90	738.10	59.90	752.13
12/27/2017	753.30	0.00	140.20	671.48	145.20	666.48	73.90	738.10	59.90	752.13
1/3/2018	753.10		140.20	671.48	145.20	666.48	73.90	738.10	59.90	752.13
1/10/2018	753.10		140.20	671.48	145.20	666.48	73.90	738.10	59.90	752.13
1/17/2018	753.00		140.20	671.48	145.20	666.48	73.90	738.10	59.90	752.13
1/24/2018	752.80		140.20	671.48	145.20	666.48	73.90	738.10	59.90	752.13
1/30/2018	752.60	1.79	140.20	671.48	145.20	666.48	73.90	738.10	59.90	752.13
2/7/2018	752.30		140.20	671.48	145.20	666.48	73.90	738.10	59.90	752.13
2/14/2018	751.80		140.20	671.48	145.20	666.48	73.90	738.10	59.90	752.13
2/21/2018	750.20		140.20	671.48	145.20	666.48	73.90	738.10	59.90	752.13
2/27/2018	750.30	0.60	140.20	671.48	145.20	666.48	73.90	738.10	59.90	752.13
3/7/2018	750.20		140.20	671.48	145.20	666.48	73.90	738.10	59.90	752.13
3/15/2018	750.10		140.30	671.38	145.30	666.38	73.90	738.10	59.90	752.13
3/21/2018	750.80		140.30	671.38	145.30	666.38	73.90	738.10	59.90	752.13
3/28/2018	750.90	0.56	140.30	671.38	145.30	666.38	73.90	738.10	59.90	752.13
4/4/2018	751.70		140.30	671.38	145.30	666.38	73.70	738.30	59.90	752.13
4/11/2018	751.70		140.30	671.38	145.30	666.38	73.70	738.30	59.90	752.13
4/18/2018	750.80		140.30	671.38	145.30	666.38	73.90	738.10	59.90	752.13
4/25/2018	749.50	0.05	140.30	671.38	145.30	666.38	73.90	738.10	59.90	752.13
5/1/2018	750.50		140.30	671.38	145.30	666.38	73.90	738.10	59.90	752.13
5/8/2018	749.40		140.30	671.38	145.30	666.38	73.90	738.10	59.90	752.13
5/15/2018	748.30		140.10	671.58	145.30	666.38	73.90	738.10	60.00	752.03
5/22/2018	747.00		140.10	671.58	145.30	666.38	73.90	738.10	60.00	752.03

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-2 Middle		R-2 Lower		R-3 Upper		R-3 Middle	
Top Ref. Elev. (ft)			811.900		811.900		812.200		812.200	
Top Ref. Elev. (ft) After 5/21/2012			811.675		811.675		812.000		812.025	
Tip Elev. (ft)			670.175		654.675		737.500		690.025	
Total Depth (ft)			141.5		157.0		74.5		122.0	
Total Depth (ft) After 5/21/2012			141.5		157.0		74.5		122.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-2M		R-2L		R-3U		R-3M	
5/29/2018	745.60	0.32	140.20	671.48	145.40	666.28	73.90	738.10	60.00	752.03
6/6/2018	744.70		140.20	671.48	145.40	666.28	73.90	738.10	60.00	752.03
6/13/2018	743.70		140.30	671.38	145.40	666.28	73.90	738.10	60.00	752.03
6/20/2018	742.50		140.20	671.48	145.40	666.28	73.90	738.10	60.00	752.03
6/27/2018	741.20	0.00	140.20	671.48	145.40	666.28	73.90	738.10	60.00	752.03
7/5/2018	739.80		140.20	671.48	145.50	666.18	73.90	738.10	60.00	752.03
7/11/2018	738.70		140.20	671.48	145.50	666.18	73.90	738.10	60.00	752.03
7/18/2018	738.50		140.20	671.48	145.50	666.18	73.90	738.10	60.00	752.03
7/25/2018	738.40	0.00	140.20	671.48	145.50	666.18	73.90	738.10	60.00	752.03
8/1/2018	738.10		140.20	671.48	145.50	666.18	73.90	738.10	60.00	752.03
8/8/2018	737.80		140.30	671.38	145.50	666.18	73.90	738.10	60.00	752.03
8/15/2018	737.70		140.30	671.38	145.50	666.18	73.90	738.10	60.00	752.03
8/22/2018	737.90		140.30	671.38	145.50	666.18	73.90	738.10	60.00	752.03
8/29/2018	737.90	0.00	140.30	671.38	145.50	666.18	73.90	738.10	60.00	752.03
9/5/2018	738.00		140.30	671.38	145.50	666.18	73.90	738.10	60.00	752.03
9/12/2018	737.90		140.30	671.38	145.50	666.18	73.90	738.10	60.00	752.03
9/19/2018	737.60		140.30	671.38	145.50	666.18	73.90	738.10	60.00	752.03
9/26/2018	737.30	0.00	140.30	671.38	145.50	666.18	73.90	738.10	60.00	752.03
10/3/2018	737.50		140.30	671.38	145.50	666.18	73.90	738.10	60.00	752.03
10/10/2018	737.70		140.30	671.38	145.50	666.18	73.90	738.10	60.00	752.03
10/17/2018	738.20		140.30	671.38	145.50	666.18	73.90	738.10	60.00	752.03
10/24/2018	738.60		140.30	671.38	145.50	666.18	73.90	738.10	60.00	752.03
10/30/2018	738.50	0.69	140.30	671.38	145.50	666.18	73.90	738.10	60.00	752.03
11/7/2018	738.40		140.30	671.38	145.60	666.08	73.90	738.10	60.00	752.03
11/16/2018	737.70		140.30	671.38	145.60	666.08	73.90	738.10	60.00	752.03
11/21/2018	737.50		140.30	671.38	145.60	666.08	73.90	738.10	60.00	752.03
11/28/2018	737.20	1.66	140.30	671.38	145.60	666.08	73.90	738.10	60.00	752.03

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-2 Middle		R-2 Lower		R-3 Upper		R-3 Middle	
Top Ref. Elev. (ft)			811.900		811.900		812.200		812.200	
Top Ref. Elev. (ft) After 5/21/2012			811.675		811.675		812.000		812.025	
Tip Elev. (ft)			670.175		654.675		737.500		690.025	
Total Depth (ft)			141.5		157.0		74.5		122.0	
Total Depth (ft) After 5/21/2012			141.5		157.0		74.5		122.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-2M		R-2L		R-3U		R-3M	
12/5/2018	737.60		140.30	671.38	145.60	666.08	73.90	738.10	60.00	752.03
12/12/2018	737.70		140.30	671.38	145.60	666.08	73.90	738.10	60.00	752.03
12/19/2018	737.60		140.30	671.38	145.60	666.08	73.90	738.10	60.00	752.03
12/27/2018	737.40	2.05	140.30	671.38	145.60	666.08	73.90	738.10	60.00	752.03
1/2/2019	737.10		140.30	671.38	145.60	666.08	73.90	738.10	60.00	752.03
1/9/2019	738.40		140.30	671.38	145.70	665.98	73.90	738.10	60.00	752.03
1/16/2019	738.50		140.30	671.38	145.70	665.98	73.90	738.10	60.00	752.03
1/23/2019	740.80		140.30	671.38	145.70	665.98	73.90	738.10	60.00	752.03
1/30/2019	740.70	5.18	140.30	671.38	145.70	665.98	73.90	738.10	60.00	752.03
2/6/2019	745.80		140.30	671.38	145.70	665.98	73.90	738.10	60.00	752.03
2/13/2019	747.80		140.30	671.38	145.70	665.98	73.90	738.10	60.00	752.03
2/20/2019	764.70		140.30	671.38	145.70	665.98	73.90	738.10	60.00	752.03
2/27/2019	766.80	8.65	140.30	671.38	145.70	665.98	73.90	738.10	60.00	752.03
3/6/2019	769.50		140.30	671.38	145.40	666.28	73.90	738.10	60.00	752.03
3/13/2019	772.00		140.30	671.38	145.40	666.28	73.90	738.10	60.00	752.03
3/20/2019	773.30		140.30	671.38	145.40	666.28	73.90	738.10	60.00	752.03
3/27/2019	774.30	2.49	140.30	671.38	145.40	666.28	73.90	738.10	60.00	752.03
4/3/2019	774.50		140.30	671.38	145.40	666.28	73.90	738.10	60.00	752.03
4/10/2019	774.70		140.30	671.38	145.40	666.28	73.90	738.10	60.00	752.03
1/17/2019	774.80		140.30	671.38	145.20	666.48	73.90	738.10	60.00	752.03
4/24/2019	774.90	0.10	140.30	671.38	145.20	666.48	73.90	738.10	60.00	752.03
5/1/2019	774.90		140.30	671.38	145.20	666.48	73.90	738.10	60.00	752.03
5/8/2019	774.90		140.30	671.38	145.20	666.48	73.90	738.10	60.00	752.03
5/15/2019	774.60		140.30	671.38	145.10	666.58	73.90	738.10	60.00	752.03
5/22/2019	773.90		140.20	671.48	145.00	666.68	73.90	738.10	60.00	752.03
5/29/2019	773.10	1.07	140.20	671.48	145.00	666.68	73.90	738.10	60.00	752.03
6/5/2019	772.10		140.20	671.48	145.00	666.68	73.90	738.10	60.00	752.03

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-2 Middle		R-2 Lower		R-3 Upper		R-3 Middle	
Top Ref. Elev. (ft)			811.900		811.900		812.200		812.200	
Top Ref. Elev. (ft) After 5/21/2012			811.675		811.675		812.000		812.025	
Tip Elev. (ft)			670.175		654.675		737.500		690.025	
Total Depth (ft)			141.5		157.0		74.5		122.0	
Total Depth (ft) After 5/21/2012			141.5		157.0		74.5		122.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-2M		R-2L		R-3U		R-3M	
6/12/2019	770.80		140.20	671.48	145.10	666.58	73.90	738.10	60.00	752.03
6/19/2019	769.50		140.20	671.48	145.10	666.58	73.90	738.10	60.00	752.03
6/26/2019	768.10	0.03	140.20	671.48	145.00	666.68	73.90	738.10	60.00	752.03
7/3/2019	766.70		140.20	671.48	145.00	666.68	73.90	738.10	60.00	752.03
7/5/2019	766.20		140.20	671.48	145.00	666.68	73.90	738.10	60.00	752.03
7/10/2019	765.10		140.30	671.38	145.00	666.68	73.90	738.10	60.00	752.03
7/17/2019	763.40		140.30	671.38	145.00	666.68	73.90	738.10	60.00	752.03
7/24/2019	761.70		140.30	671.38	145.00	666.68	73.90	738.10	60.00	752.03
7/30/2019	760.50	0.00	140.30	671.38	145.00	666.68	73.90	738.10	60.00	752.03
8/7/2019	759.60		140.30	671.38	145.00	666.68	73.90	738.10	60.00	752.03
8/14/2019	758.80		140.20	671.48	145.00	666.68	73.90	738.10	60.00	752.03
8/21/2019	757.80		140.20	671.48	145.00	666.68	73.90	738.10	60.00	752.03
8/28/2019	757.20	0.00	140.20	671.48	145.00	666.68	73.90	738.10	60.00	752.03
9/4/2019	756.70		140.20	671.48	145.00	666.68	75.90	736.10	60.00	752.03
9/11/2019	756.30		140.20	671.48	145.00	666.68	75.90	736.10	60.00	752.03
9/18/2019	755.90		140.20	671.48	145.00	666.68	75.90	736.10	60.00	752.03
9/25/2019	755.20	0.00	140.30	671.38	145.00	666.68	75.90	736.10	60.00	752.03
10/2/2019	754.60		140.30	671.38	145.00	666.68	75.90	736.10	60.00	752.03
10/10/2019	754.30		140.30	671.38	145.10	666.58	75.90	736.10	60.00	752.03
10/16/2019	753.90		140.30	671.38	145.10	666.58	75.90	736.10	60.00	752.03
10/26/2019	752.70		140.30	671.38	145.10	666.58	75.90	736.10	60.00	752.03
10/30/2019	752.30	0.00	140.30	671.38	145.10	666.58	75.90	736.10	60.00	752.03
11/6/2019	751.70		140.30	671.38	145.10	666.58	75.90	736.10	60.00	752.03
11/13/2019	751.30		140.30	671.38	145.10	666.58	75.90	736.10	60.00	752.03
11/20/2019	751.20		140.30	671.38	145.10	666.58	75.90	736.10	60.00	752.03
11/27/2019	751.10	2.38	140.30	671.38	145.10	666.58	75.90	736.10	60.00	752.03

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-2 Middle		R-2 Lower		R-3 Upper		R-3 Middle	
Top Ref. Elev. (ft)			811.900		811.900		812.200		812.200	
Top Ref. Elev. (ft) After 5/21/2012			811.675		811.675		812.000		812.025	
Tip Elev. (ft)			670.175		654.675		737.500		690.025	
Total Depth (ft)			141.5		157.0		74.5		122.0	
Total Depth (ft) After 5/21/2012			141.5		157.0		74.5		122.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-2M		R-2L		R-3U		R-3M	
12/4/2019	751.20		140.30	671.38	145.10	666.58	75.90	736.10	60.00	752.03
12/11/2019	751.40		140.20	671.48	145.20	666.48	75.90	736.10	60.00	752.03
12/18/2019	751.30		140.20	671.48	145.20	666.48	75.90	736.10	60.00	752.03
12/26/2019	751.60	4.61	140.20	671.48	145.20	666.48	75.90	736.10	60.00	752.03
1/2/2020	751.80		140.20	671.48	145.20	666.48	75.90	736.10	60.00	752.03
1/8/2020	751.90		140.20	671.48	145.20	666.48	75.90	736.10	60.00	752.03
1/15/2020	751.90		140.30	671.38	145.30	666.38	75.90	736.10	60.00	752.03
1/22/2020	751.90		140.10	671.58	145.30	666.38	75.90	736.10	60.00	752.03
1/29/2020	752.00	0.15	140.20	671.48	145.30	666.38	75.90	736.10	60.00	752.03
2/5/2020	751.90		140.20	671.48	145.30	666.38	75.90	736.10	60.00	752.03
2/12/2020	751.90		140.20	671.48	145.30	666.38	75.90	736.10	60.10	751.93
2/19/2020	751.90		140.30	671.38	145.30	666.38	75.90	736.10	60.10	751.93
2/26/2020	751.90	0.53	140.30	671.38	145.30	666.38	75.90	736.10	60.10	751.93
3/4/2020	751.80		140.20	671.48	145.30	666.38	75.90	736.10	60.10	751.93
3/11/2020	751.80		140.20	671.48	145.30	666.38	75.90	736.10	60.10	751.93
3/18/2020	752.10		140.20	671.48	145.30	666.38	75.90	736.10	60.10	751.93
3/25/2020	753.30	4.31	140.20	671.48	145.30	666.38	75.90	736.10	60.10	751.93
4/1/2020	753.60		140.20	671.48	145.30	666.38	75.90	736.10	60.10	751.93
4/8/2020	755.80		140.30	671.38	145.30	666.38	75.90	736.10	60.10	751.93
4/15/2020	760.50		140.30	671.38	145.20	666.48	75.90	736.10	60.10	751.93
4/22/2020	761.50		140.20	671.48	145.20	666.48	75.90	736.10	60.10	751.93
4/29/2020	761.90	3.88	140.20	671.48	145.20	666.48	75.90	736.10	60.10	751.93
5/6/2020	761.20		140.20	671.48	145.20	666.48	75.90	736.10	60.10	751.93
5/13/2020	762.10		140.10	671.58	145.20	666.48	75.90	736.10	60.10	751.93
5/20/2020	762.20		140.10	671.58	145.20	666.48	75.90	736.10	60.10	751.93
5/27/2020	762.10	0.03	140.10	671.58	145.20	666.48	75.90	736.10	60.10	751.93
6/3/2020	761.90		140.10	671.58	145.20	666.48	73.90	738.10	60.10	751.93

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-2 Middle		R-2 Lower		R-3 Upper		R-3 Middle	
Top Ref. Elev. (ft)			811.900		811.900		812.200		812.200	
Top Ref. Elev. (ft) After 5/21/2012			811.675		811.675		812.000		812.025	
Tip Elev. (ft)			670.175		654.675		737.500		690.025	
Total Depth (ft)			141.5		157.0		74.5		122.0	
Total Depth (ft) After 5/21/2012			141.5		157.0		74.5		122.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-2M		R-2L		R-3U		R-3M	
6/10/2020	761.80		140.10	671.58	145.20	666.48	73.90	738.10	60.10	751.93
6/19/2020	760.10		140.10	671.58	145.20	666.48	73.90	738.10	60.10	751.93
6/24/2020	759.00	0.00	140.10	671.58	145.20	666.48	73.90	738.10	60.10	751.93
7/1/2020	757.30		140.10	671.58	145.20	666.48	73.90	738.10	60.10	751.93
7/8/2020	755.80		140.10	671.58	145.20	666.48	73.90	738.10	60.10	751.93
7/15/2020	754.40		140.10	671.58	145.20	666.48	73.90	738.10	60.10	751.93
7/22/2020	752.90		140.10	671.58	145.20	666.48	73.90	738.10	60.10	751.93
7/29/2020	751.40	0.00	140.10	671.58	145.20	666.48	73.90	738.10	60.10	751.93
8/5/2020	749.90		140.10	671.58	145.20	666.48	73.90	738.10	60.10	751.93
8/12/2020	749.60		140.10	671.58	145.20	666.48	73.90	738.10	60.10	751.93
8/19/2020	749.10		140.10	671.58	145.20	666.48	73.90	738.10	60.10	751.93
8/26/2020	747.90	0.00	140.10	671.58	145.20	666.48	73.90	738.10	60.10	751.93
9/2/2020	746.40		140.10	671.58	145.20	666.48	73.90	738.10	60.10	751.93
9/9/2020	745.70		140.10	671.58	145.30	666.38	73.90	738.10	60.10	751.93
9/16/2020	745.20		140.10	671.58	145.30	666.38	73.90	738.10	60.10	751.93
9/19/2020	747.80		140.10	671.58	145.30	666.38	73.90	738.10	60.10	751.93
9/23/2020	749.40		140.10	671.58	145.30	666.38	73.90	738.10	60.10	751.93
9/30/2020	743.50	0.00	140.10	671.58	145.30	666.38	73.90	738.10	60.10	751.93
10/7/2020	742.70		140.10	671.58	145.40	666.28	73.90	738.10	60.10	751.93
10/14/2020	741.60		140.10	671.58	145.40	666.28	73.90	738.10	60.10	751.93
10/21/2020	740.30		140.20	671.48	145.40	666.28	73.90	738.10	60.10	751.93
10/28/2020	739.90	0.00	140.20	671.48	145.40	666.28	73.90	738.10	60.10	751.93
11/4/2020	739.40		140.20	671.48	145.40	666.28	73.90	738.10	60.10	751.93
11/10/2020	739.20		140.20	671.48	145.40	666.28	73.90	738.10	60.20	751.83
11/18/2020	739.00		140.20	671.48	145.40	666.28	73.90	738.10	60.10	751.93
11/25/2020	738.80	0.54	140.10	671.58	145.50	666.18	73.90	738.10	60.20	751.83
12/2/2020	738.50		140.10	671.58	145.50	666.18	73.90	738.10	60.20	751.83

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-2 Middle		R-2 Lower		R-3 Upper		R-3 Middle	
Top Ref. Elev. (ft)			811.900		811.900		812.200		812.200	
Top Ref. Elev. (ft) After 5/21/2012			811.675		811.675		812.000		812.025	
Tip Elev. (ft)			670.175		654.675		737.500		690.025	
Total Depth (ft)			141.5		157.0		74.5		122.0	
Total Depth (ft) After 5/21/2012			141.5		157.0		74.5		122.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-2M		R-2L		R-3U		R-3M	
12/9/2020	738.20		140.10	671.58	145.50	666.18	73.90	738.10	60.20	751.83
12/16/2020	738.00		140.10	671.58	145.50	666.18	73.90	738.10	60.20	751.83
12/23/2020	738.20	1.72	140.10	671.58	145.50	666.18	73.90	738.10	60.20	751.83
1/6/2021	742.10		140.10	671.58	145.50	666.18	73.90	738.10	60.20	751.83
1/13/2021	742.10		140.10	671.58	145.60	666.08	73.90	738.10	60.20	751.83
1/20/2021	741.80		140.10	671.58	145.60	666.08	73.90	738.10	60.20	751.83
1/27/2021	741.70	1.36	140.30	671.38	145.70	665.98	73.90	738.10	60.20	751.83
2/3/2021	741.80		140.30	671.38	145.70	665.98	73.90	738.10	60.20	751.83
2/10/2021	741.60		140.10	671.58	145.60	666.08	73.90	738.10	60.20	751.83
2/17/2021	741.40		140.10	671.58	145.60	666.08	73.90	738.10	60.20	751.83
2/24/2021	741.00	0.14	140.20	671.48	145.60	666.08	73.90	738.10	60.20	751.83
3/3/2021	740.80		140.20	671.48	145.60	666.08	73.90	738.10	60.20	751.83
3/10/2021	740.60		140.20	671.48	145.60	666.08	73.90	738.10	60.20	751.83
3/17/2021	741.00		140.20	671.48	145.60	666.08	73.90	738.10	60.20	751.83
3/24/2021	740.90		140.30	671.38	145.60	666.08	73.90	738.10	60.20	751.83
3/31/2021	740.60	1.53	140.20	671.48	145.60	666.08	73.90	738.10	60.20	751.83
4/7/2021	740.80		140.20	671.48	145.60	666.08	73.90	738.10	60.20	751.83
4/14/2021	740.70		140.20	671.48	145.60	666.08	73.90	738.10	60.20	751.83
4/21/2021	741.30		140.10	671.58	145.60	666.08	73.90	738.10	60.20	751.83
4/28/2021	742.00	0.00	140.20	671.48	145.60	666.08	73.90	738.10	60.20	751.83
5/5/2021	741.90		140.30	671.38	145.60	666.08	73.90	738.10	60.20	751.83
5/15/2021	740.80		140.30	671.38	145.60	666.08	73.90	738.10	60.20	751.83
5/19/2021	740.40		140.30	671.38	145.60	666.08	73.90	738.10	60.20	751.83
5/26/2021	740.10	0.05	140.20	671.48	145.60	666.08	73.90	738.10	60.20	751.83
6/2/2021	739.60		140.30	671.38	145.60	666.08	73.90	738.10	60.20	751.83
6/9/2021	738.30		140.30	671.38	145.60	666.08	73.90	738.10	60.20	751.83
6/16/2021	737.20		140.30	671.38	145.60	666.08	73.90	738.10	60.20	751.83
6/23/2021	736.00		140.20	671.48	145.60	666.08	73.90	738.10	60.20	751.83

Notes:
1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-2 Middle		R-2 Lower		R-3 Upper		R-3 Middle	
Top Ref. Elev. (ft)			811.900		811.900		812.200		812.200	
Top Ref. Elev. (ft) After 5/21/2012			811.675		811.675		812.000		812.025	
Tip Elev. (ft)			670.175		654.675		737.500		690.025	
Total Depth (ft)			141.5		157.0		74.5		122.0	
Total Depth (ft) After 5/21/2012			141.5		157.0		74.5		122.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-2M		R-2L		R-3U		R-3M	
6/30/2021	736.40	0.00	140.20	671.48	145.60	666.08	73.90	738.10	60.20	751.83
7/7/2021	737.00		140.30	671.38	145.60	666.08	73.90	738.10	60.20	751.83
7/14/2021	737.40		140.30	671.38	145.60	666.08	73.90	738.10	60.20	751.83
7/21/2021	737.80		140.30	671.38	145.60	666.08	73.90	738.10	60.20	751.83
7/28/2021	736.40	0.05	140.30	671.38	145.60	666.08	73.90	738.10	60.20	751.83
8/4/2021	736.30		140.30	671.38	145.60	666.08	73.90	738.10	60.20	751.83
8/11/2021	735.90		140.30	671.38	145.60	666.08	73.90	738.10	60.20	751.83
8/18/2021	735.90		140.30	671.38	145.60	666.08	73.90	738.10	60.20	751.83
8/25/2021	735.70	0.00	140.30	671.38	145.60	666.08	73.90	738.10	60.20	751.83
9/1/2021	735.60		140.30	671.38	145.60	666.08	73.90	738.10	60.20	751.83
9/8/2021	736.00		140.30	671.38	145.70	665.98	73.90	738.10	60.20	751.83
9/15/2021	737.00		140.30	671.38	145.70	665.98	73.90	738.10	60.20	751.83
9/22/2021	737.50		140.20	671.48	145.70	665.98	73.90	738.10	60.20	751.83
9/29/2021	738.00	0.00	140.30	671.38	145.70	665.98	73.90	738.10	60.20	751.83
10/6/2021	738.20		140.10	671.58	145.70	665.98	73.90	738.10	60.20	751.83
10/13/2021	738.70		140.10	671.58	145.70	665.98	73.90	738.10	60.20	751.83
10/22/2021	738.80		140.10	671.58	145.70	665.98	73.90	738.10	60.20	751.83
10/27/2021	739.00	0.46	140.20	671.48	145.70	665.98	73.90	738.10	60.20	751.83
11/3/2021	739.60		140.40	671.28	145.70	665.98	73.90	738.10	60.30	751.73
11/10/2021	740.20		140.40	671.28	145.70	665.98	73.90	738.10	60.30	751.73
11/17/2021	740.20		140.30	671.38	145.70	665.98	73.90	738.10	60.30	751.73
11/24/2021	739.90	0.00	140.30	671.38	145.70	665.98	73.90	738.10	60.30	751.73
12/1/2021	739.50		140.30	671.38	145.70	665.98	73.90	738.10	60.30	751.73
12/8/2021	739.40		140.30	671.38	145.70	665.98	73.90	738.10	60.30	751.73
12/15/2021	740.00		140.30	671.38	145.70	665.98	73.90	738.10	60.30	751.73
12/22/2021	740.00		140.30	671.38	145.70	665.98	73.90	738.10	60.30	751.73
12/29/2021	743.00	7.24	140.20	671.48	145.70	665.98	73.90	738.10	60.50	751.53

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-2 Middle		R-2 Lower		R-3 Upper		R-3 Middle	
Top Ref. Elev. (ft)			811.900		811.900		812.200		812.200	
Top Ref. Elev. (ft) After 5/21/2012			811.675		811.675		812.000		812.025	
Tip Elev. (ft)			670.175		654.675		737.500		690.025	
Total Depth (ft)			141.5		157.0		74.5		122.0	
Total Depth (ft) After 5/21/2012			141.5		157.0		74.5		122.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-2M		R-2L		R-3U		R-3M	
1/6/2022	744.20		140.20	671.48	145.70	665.98	73.90	738.10	60.30	751.73
1/12/2022	744.20		140.30	671.38	145.70	665.98	73.90	738.10	60.30	751.73
1/19/2022	744.10		140.30	671.38	145.70	665.98	73.90	738.10	60.30	751.73
1/26/2022	744.00	0.05	140.30	671.38	145.60	666.08	73.40	738.60	60.30	751.73
2/2/2022	743.80		140.20	671.48	145.70	665.98	73.90	738.10	60.30	751.73
2/9/2022	743.70		140.40	671.28	145.70	665.98	73.90	738.10	60.30	751.73
2/16/2022	743.60		140.30	671.38	145.70	665.98	73.90	738.10	60.30	751.73
2/28/2022	743.40	0.04	140.40	671.28	145.70	665.98	73.90	738.10	60.30	751.73
3/2/2022	743.30		140.40	671.28	145.70	665.98	73.90	738.10	60.30	751.73
3/9/2022	743.10		140.40	671.28	145.70	665.98	73.90	738.10	60.30	751.73
3/16/2022	743.00		140.40	671.28	145.70	665.98	73.90	738.10	60.30	751.73
3/23/2022	742.80		140.30	671.38	145.70	665.98	73.90	738.10	60.30	751.73
3/30/2022	742.10	1.28	140.20	671.48	145.70	665.98	73.90	738.10	60.30	751.73
4/6/2022	741.90		140.20	671.48	145.70	665.98	73.90	738.10	60.30	751.73
4/13/2022	741.60		140.20	671.48	145.70	665.98	73.90	738.10	60.30	751.73
4/20/2022	741.10		140.20	671.48	145.70	665.98	73.90	738.10	60.30	751.73
4/27/2022	740.20	0.25	140.20	671.48	145.70	665.98	73.90	738.10	60.30	751.73
5/4/2022	739.30		140.20	671.48	145.70	665.98	73.90	738.10	60.30	751.73
5/11/2022	738.10		140.20	671.48	145.70	665.98	73.90	738.10	60.30	751.73
5/18/2022	737.90		140.20	671.48	145.70	665.98	73.90	738.10	60.30	751.73
5/25/2022	737.00	0.00	140.20	671.48	145.70	665.98	73.90	738.10	60.30	751.73
6/1/2022	737.00		140.20	671.48	145.70	665.98	73.90	738.10	60.30	751.73
6/8/2022	738.00		140.20	671.48	145.70	665.98	73.90	738.10	60.30	751.73
6/15/2022	738.60		140.30	671.38	145.70	665.98	73.90	738.10	60.30	751.73
6/22/2022	741.70		140.40	671.28	145.70	665.98	73.90	738.10	60.30	751.73
6/29/2022	742.80	0.00	140.50	671.18	145.70	665.98	73.90	738.10	60.30	751.73
7/6/2022	744.60		140.50	671.18	145.70	665.98	73.90	738.10	60.30	751.73

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-2 Middle		R-2 Lower		R-3 Upper		R-3 Middle	
Top Ref. Elev. (ft)			811.900		811.900		812.200		812.200	
Top Ref. Elev. (ft) After 5/21/2012			811.675		811.675		812.000		812.025	
Tip Elev. (ft)			670.175		654.675		737.500		690.025	
Total Depth (ft)			141.5		157.0		74.5		122.0	
Total Depth (ft) After 5/21/2012			141.5		157.0		74.5		122.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-2M		R-2L		R-3U		R-3M	
7/13/2022	745.50		140.50	671.18	145.70	665.98	73.90	738.10	60.30	751.73
7/20/2022	745.50		140.50	671.18	145.70	665.98	73.90	738.10	60.30	751.73
7/27/2022	744.50	0.03	140.50	671.18	145.60	666.08	73.90	738.10	60.30	751.73
8/3/2022	743.00		140.50	671.18	145.60	666.08	73.90	738.10	60.30	751.73
8/10/2022	742.10		140.50	671.18	145.60	666.08	73.90	738.10	60.30	751.73
8/17/2022	744.60		140.50	671.18	145.60	666.08	73.90	738.10	60.30	751.73
8/24/2022	746.60		140.50	671.18	145.60	666.08	73.90	738.10	60.30	751.73
8/31/2022	748.70	0.03	140.50	671.18	145.60	666.08	73.90	738.10	60.30	751.73
9/7/2022	749.60		140.40	671.28	145.60	666.08	73.90	738.10	60.30	751.73
9/14/2022	749.00		140.40	671.28	145.60	666.08	73.90	738.10	60.30	751.73
9/21/2022	747.60		140.40	671.28	145.60	666.08	73.90	738.10	60.30	751.73
9/28/2022	746.00	0.29	140.40	671.28	145.60	666.08	73.90	738.10	60.30	751.73
10/5/2022	744.90		140.40	671.28	145.60	666.08	73.90	738.10	60.30	751.73
10/12/2022	743.90		140.50	671.18	145.60	666.08	73.90	738.10	60.30	751.73
10/19/2022	743.70		140.50	671.18	145.60	666.08	73.90	738.10	61.00	751.03
10/26/2022	743.50	0.44	140.60	671.08	145.60	666.08	73.90	738.10	61.00	751.03
11/2/2022	743.40		140.60	671.08	145.60	666.08	73.90	738.10	61.00	751.03
11/9/2022	744.40		140.60	671.08	145.60	666.08	73.90	738.10	61.00	751.03
11/16/2022	744.30		140.50	671.18	145.60	666.08	73.90	738.10	60.90	751.13
11/23/2022	744.00		140.50	671.18	145.60	666.08	73.90	738.10	60.90	751.13
11/30/2022	743.70	1.24	140.50	671.18	145.60	666.08	73.90	738.10	60.90	751.13
12/1/2022	739.50		140.20	671.48	145.70	665.98	73.90	738.10	60.30	751.73
12/8/2022	739.40		140.20	671.48	145.70	665.98	73.90	738.10	60.30	751.73
12/15/2022	740.00		140.20	671.48	145.70	665.98	73.90	738.10	60.30	751.73
12/22/2022	740.00		140.20	671.48	145.70	665.98	73.90	738.10	60.30	751.73
12/29/2022	742.00	2.62	140.20	671.48	145.70	665.98	73.90	738.10	60.30	751.73
1/4/2023	745.60		140.50	671.18	145.50	666.18	73.90	738.10	61.00	751.03

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-2 Middle		R-2 Lower		R-3 Upper		R-3 Middle	
Top Ref. Elev. (ft)			811.900		811.900		812.200		812.200	
Top Ref. Elev. (ft) After 5/21/2012			811.675		811.675		812.000		812.025	
Tip Elev. (ft)			670.175		654.675		737.500		690.025	
Total Depth (ft)			141.5		157.0		74.5		122.0	
Total Depth (ft) After 5/21/2012			141.5		157.0		74.5		122.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-2M		R-2L		R-3U		R-3M	
1/11/2023	748.90		140.50	671.18	145.50	666.18	73.90	738.10	61.00	751.03
1/18/2023	758.90		140.60	671.08	145.50	666.18	73.90	738.10	61.00	751.03
1/25/2023	760.90	6.31	140.60	671.08	145.60	666.08	73.90	738.10	61.00	751.03
2/1/2023	761.50		140.80	670.88	145.60	666.08	73.90	738.10	61.00	751.03
2/8/2023	761.80		140.80	670.88	145.60	666.08	73.90	738.10	61.00	751.03
2/15/2023	762.00		140.80	670.88	145.60	666.08	73.90	738.10	61.00	751.03
2/22/2023	762.20	2.95	140.80	670.88	145.60	666.08	73.90	738.10	61.00	751.03
3/1/2023	763.60		140.40	671.28	144.90	666.78	73.90	738.10	61.00	751.03
3/8/2023	764.10		140.30	671.38	144.80	666.88	73.90	738.10	61.00	751.03
3/15/2023	764.30		140.30	671.38	144.80	666.88	73.90	738.10	61.00	751.03
3/22/2023	772.80		140.30	671.38	144.80	666.88	73.90	738.10	61.00	751.03
3/29/2023	775.60	6.45	140.30	671.38	144.80	666.88	73.90	738.10	61.00	751.03
4/5/2023	777.40		140.50	671.18	145.10	666.58	73.90	738.10	61.00	751.03
4/12/2023	778.90		140.40	671.28	145.20	666.48	73.90	738.10	61.00	751.03
4/19/2023	779.50		140.50	671.18	145.20	666.48	73.90	738.10	61.00	751.03
4/26/2023	779.80	0.10	140.50	671.18	145.20	666.48	73.90	738.10	61.00	751.03
5/3/2023	779.80		140.50	671.18	145.20	666.48	73.80	738.20	61.00	751.03
5/10/2023	779.90		140.50	671.18	145.20	666.48	73.80	738.20	61.00	751.03
5/17/2023	779.70		140.50	671.18	145.20	666.48	73.80	738.20	61.00	751.03
5/24/2023	779.60	0.79	140.50	671.18	145.20	666.48	73.80	738.20	61.00	751.03
5/31/2023	779.20		140.50	671.18	145.20	666.48	73.80	738.20	61.00	751.03
6/7/2023	779.20		140.50	671.18	145.20	666.48	73.80	738.20	61.00	751.03
6/14/2023	778.90		140.50	671.18	145.20	666.48	73.80	738.20	61.00	751.03
6/21/2023	778.50		140.50	671.18	145.20	666.48	73.80	738.20	61.00	751.03
6/28/2023	777.90	0.09	140.50	671.18	145.20	666.48	73.80	738.20	61.00	751.03
7/5/2023	777.40		140.50	671.18	145.20	666.48	73.80	738.20	61.00	751.03
7/12/2023	776.70		140.50	671.18	144.60	667.08	74.10	737.90	61.00	751.03

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-2 Middle		R-2 Lower		R-3 Upper		R-3 Middle	
Top Ref. Elev. (ft)			811.900		811.900		812.200		812.200	
Top Ref. Elev. (ft) After 5/21/2012			811.675		811.675		812.000		812.025	
Tip Elev. (ft)			670.175		654.675		737.500		690.025	
Total Depth (ft)			141.5		157.0		74.5		122.0	
Total Depth (ft) After 5/21/2012			141.5		157.0		74.5		122.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-2M		R-2L		R-3U		R-3M	
7/19/2023	776.00		140.50	671.18	144.60	667.08	74.10	737.90	61.00	751.03
7/26/2023	775.00	0.00	140.50	671.18	144.60	667.08	74.10	737.90	61.00	751.03
8/3/2023	774.40		140.50	671.18	144.60	667.08	74.10	737.90	61.00	751.03
8/9/2023	774.00		140.50	671.18	144.60	667.08	74.10	737.90	61.00	751.03
8/16/2023	773.50		140.50	671.18	144.60	667.08	74.10	737.90	61.00	751.03
8/23/2023	773.50		140.50	671.18	144.60	667.08	74.10	737.90	61.00	751.03
8/31/2023	773.30	2.00	140.50	671.18	144.60	667.08	74.10	737.90	61.00	751.03
9/6/2023	773.20		140.50	671.18	144.60	667.08	74.10	737.90	61.00	751.03
9/13/2023	772.60		140.50	671.18	144.60	667.08	74.10	737.90	61.00	751.03
9/20/2023	772.10		140.50	671.18	144.60	667.08	74.10	737.90	61.00	751.03
9/27/2023	771.40	0.04	140.50	671.18	144.60	667.08	74.10	737.90	61.00	751.03
10/5/2023	770.40		140.50	671.18	144.60	667.08	74.10	737.90	61.00	751.03
10/12/2023	769.50		140.50	671.18	144.60	667.08	74.10	737.90	61.00	751.03
10/18/2023	768.30		140.50	671.18	144.60	667.08	74.10	737.90	61.00	751.03
10/25/2023	765.20	0.18	140.50	671.18	144.60	667.08	74.10	737.90	61.00	751.03
11/2/2023	762.70		140.50	671.18	144.60	667.08	74.10	737.90	61.00	751.03
11/8/2023	762.50		140.50	671.18	144.60	667.08	74.10	737.90	61.10	750.93
11/16/2023	762.40		140.50	671.18	144.60	667.08	74.10	737.90	61.10	750.93
11/21/2023	762.10		140.50	671.18	144.60	667.08	74.10	737.90	61.10	750.93
11/28/2023	761.60	0.52	140.50	671.18	144.80	666.88	74.10	737.90	61.10	750.93
12/7/2023	761.00		140.50	671.18	144.80	666.88	74.10	737.90	61.10	750.93
12/12/2023	760.70		140.50	671.18	144.80	666.88	74.10	737.90	61.10	750.93
12/19/2023	760.20	1.09	140.50	671.18	144.80	666.88	74.10	737.90	61.10	750.93

Notes:
1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-3 Lower		R-4 Upper		R-4 Lower		R-5 Upper	
Top Ref. Elev. (ft)			812.200		752.100		752.100		752.400	
Top Ref. Elev. (ft) After 5/21/2012			811.995		754.455		754.455		751.930	
Tip Elev. (ft)			675.995		667.100		655.600		676.930	
Total Depth (ft)			136.0		85.0		96.5		75.0	
Total Depth (ft) After 5/21/2012			136.0		87.4		98.9		75.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-3L		R-4U		R-4L		R-5U	
1/10/2007	749.70		135.70	676.50	52.00	700.10	88.80	663.30	74.50	677.90
1/19/2007	749.40		135.70	676.50	52.10	700.00	88.90	663.20	74.50	677.90
1/29/2007	749.60		135.70	676.50	52.10	700.00	88.90	663.20	74.50	677.90
2/7/2007	750.00		135.70	676.50	52.00	700.10	88.90	663.20	74.50	677.90
2/16/2007	750.20		135.70	676.50	52.10	700.00	88.90	663.20	74.50	677.90
2/26/2007	750.60		135.70	676.50	52.10	700.00	89.00	663.10	74.50	677.90
3/6/2007	751.70		135.70	676.50	52.10	700.00	89.00	663.10	74.50	677.90
3/17/2007	755.10		135.70	676.50	52.10	700.00	89.10	663.00	74.50	677.90
3/25/2007	756.30		135.70	676.50	52.10	700.00	89.10	663.00	74.50	677.90
4/6/2007	760.00		135.70	676.50	52.10	700.00	89.10	663.00	74.50	677.90
4/16/2007	762.90		135.70	676.50	52.10	700.00	89.00	663.10	74.50	677.90
4/27/2007	767.10		135.70	676.50	52.10	700.00	89.00	663.10	74.50	677.90
5/9/2007	766.80		135.70	676.50	52.10	700.00	89.00	663.10	74.50	677.90
5/19/2007	764.80		135.70	676.50	52.10	700.00	89.00	663.10	74.50	677.90
5/29/2007	762.80		135.70	676.50	52.10	700.00	89.00	663.10	74.50	677.90
6/8/2007	761.20		135.70	676.50	52.10	700.00	89.00	663.10	74.50	677.90
6/18/2007	759.90		135.70	676.50	52.10	700.00	89.00	663.10	74.50	677.90
6/28/2007	758.10		135.70	676.50	52.10	700.00	89.00	663.10	74.50	677.90
7/10/2007	756.70		135.70	676.50	52.10	700.00	89.10	663.00	74.50	677.90
7/19/2007	755.80		135.70	676.50	52.10	700.00	89.20	662.90	74.50	677.90
7/30/2007	754.90		135.70	676.50	52.10	700.00	89.20	662.90	74.50	677.90
8/11/2007	754.40		135.70	676.50	52.10	700.00	89.20	662.90	74.50	677.90
8/22/2007	753.80		135.70	676.50	52.10	700.00	89.20	662.90	74.50	677.90
8/30/2007	753.30		135.70	676.50	52.10	700.00	89.20	662.90	74.50	677.90
9/7/2007	753.20		135.70	676.50	52.10	700.00	89.20	662.90	74.50	677.90
9/18/2007	753.00		135.70	676.50	52.10	700.00	89.20	662.90	74.50	677.90
9/27/2007	753.60		135.70	676.50	52.10	700.00	89.20	662.90	74.50	677.90

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-3 Lower		R-4 Upper		R-4 Lower		R-5 Upper	
Top Ref. Elev. (ft)			812.200		752.100		752.100		752.400	
Top Ref. Elev. (ft) After 5/21/2012			811.995		754.455		754.455		751.930	
Tip Elev. (ft)			675.995		667.100		655.600		676.930	
Total Depth (ft)			136.0		85.0		96.5		75.0	
Total Depth (ft) After 5/21/2012			136.0		87.4		98.9		75.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-3L		R-4U		R-4L		R-5U	
10/8/2007	754.90		135.70	676.50	52.10	700.00	89.20	662.90	74.50	677.90
10/17/2007	756.20		135.70	676.50	52.20	699.90	89.20	662.90	74.50	677.90
10/30/2007	757.80		135.70	676.50	52.30	699.80	89.10	663.00	74.50	677.90
11/9/2007	759.60		135.70	676.50	52.10	700.00	89.20	662.90	74.50	677.90
11/19/2007	763.60		135.70	676.50	52.20	699.90	89.10	663.00	74.50	677.90
11/28/2007	766.50		135.70	676.50	52.40	699.70	89.00	663.10	74.50	677.90
12/8/2007	768.70		135.70	676.50	52.10	700.00	89.00	663.10	74.50	677.90
12/18/2007	768.50		135.70	676.50	52.20	699.90	89.00	663.10	74.50	677.90
12/28/2007	769.30		135.70	676.50	52.40	699.70	89.00	663.10	74.50	677.90
1/9/2008	770.50		135.70	676.50	52.30	699.80	89.00	663.10	74.50	677.90
1/19/2008	770.30		135.70	676.50	52.40	699.70	89.00	663.10	74.50	677.90
1/29/2008	772.70		135.70	676.50	52.40	699.70	89.00	663.10	74.50	677.90
2/9/2008	774.10		135.70	676.50	52.40	699.70	89.00	663.10	74.50	677.90
2/19/2008	774.40		135.70	676.50	52.20	699.90	88.90	663.20	74.50	677.90
2/27/2008	775.00		135.70	676.50	52.20	699.90	88.90	663.20	74.50	677.90
3/7/2008	775.00		135.70	676.50	52.20	699.90	88.90	663.20	74.50	677.90
3/18/2008	775.00		135.70	676.50	52.20	699.90	89.00	663.10	74.50	677.90
3/29/2008	774.90		135.70	676.50	52.00	700.10	89.00	663.10	74.50	677.90
4/10/2008	775.00		135.70	676.50	52.00	700.10	89.00	663.10	74.50	677.90
4/20/2008	774.80		135.70	676.50	52.00	700.10	88.90	663.20	74.50	677.90
5/5/2008	774.65		135.70	676.50	52.00	700.10	89.00	663.10	74.50	677.90
5/13/2008	773.90		135.70	676.50	52.00	700.10	88.90	663.20	74.50	677.90
5/21/2008	772.85		135.70	676.50	52.00	700.10	89.00	663.10	74.50	677.90
5/31/2008	772.10		135.70	676.50	52.00	700.10	89.00	663.10	74.50	677.90
6/9/2008	771.20		135.70	676.50	52.00	700.10	89.00	663.10	74.50	677.90
6/18/2008	770.50		135.70	676.50	52.00	700.10	89.00	663.10	74.50	677.90
6/26/2008	769.60		135.70	676.50	52.00	700.10	89.00	663.10	74.50	677.90

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-3 Lower		R-4 Upper		R-4 Lower		R-5 Upper	
Top Ref. Elev. (ft)			812.200		752.100		752.100		752.400	
Top Ref. Elev. (ft) After 5/21/2012			811.995		754.455		754.455		751.930	
Tip Elev. (ft)			675.995		667.100		655.600		676.930	
Total Depth (ft)			136.0		85.0		96.5		75.0	
Total Depth (ft) After 5/21/2012			136.0		87.4		98.9		75.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-3L		R-4U		R-4L		R-5U	
7/8/2008	768.10		135.70	676.50	52.00	700.10	89.00	663.10	74.50	677.90
7/19/2008	766.60		135.70	676.50	52.00	700.10	89.00	663.10	74.50	677.90
7/29/2008	765.50	0.00	135.70	676.50	52.00	700.10	89.00	663.10	74.50	677.90
8/4/2008	764.60	0.00	135.70	676.50	52.00	700.10	89.00	663.10	74.50	677.90
8/9/2008	764.25	0.00	135.70	676.50	52.00	700.10	89.00	663.10	74.50	677.90
8/19/2008	763.20	0.00	135.70	676.50	52.00	700.10	89.00	663.10	74.50	677.90
8/28/2008	762.25	0.00	135.70	676.50	52.00	700.10	89.00	663.10	74.50	677.90
9/6/2008	761.00	0.00	135.70	676.50	52.00	700.10	89.00	663.10	74.40	678.00
9/17/2008	760.10	0.00	135.70	676.50	52.00	700.10	89.00	663.10	74.00	678.40
9/29/2008	759.20	0.00	135.70	676.50	52.00	700.10	89.00	663.10	73.70	678.70
10/8/2008	759.00	0.00	135.70	676.50	52.00	700.10	89.00	663.10	73.70	678.70
10/18/2008	758.90	0.00	135.70	676.50	52.00	700.10	89.00	663.10	73.70	678.70
10/29/2008	761.30	0.00	135.70	676.50	52.00	700.10	89.00	663.10	73.70	678.70
11/8/2008	764.30	0.00	135.70	676.50	52.00	700.10	89.00	663.10	73.70	678.70
11/17/2008	766.90	0.00	135.70	676.50	52.00	700.10	89.00	663.10	73.70	678.70
11/25/2008	769.90	1.71	135.70	676.50	52.00	700.10	89.00	663.10	73.70	678.70
12/4/2008	773.90		135.70	676.50	52.10	700.00	88.80	663.30	73.70	678.70
12/13/2008	777.30		135.70	676.50	52.10	700.00	88.80	663.30	73.70	678.70
12/21/2008	779.10		135.70	676.50	52.20	699.90	88.80	663.30	73.70	678.70
12/30/2008	779.40	3.99	135.70	676.50	52.20	699.90	88.80	663.30	73.50	678.90
1/8/2009	779.30		135.70	676.50	52.20	699.90	88.80	663.30	73.60	678.80
1/19/2009	778.50		135.70	676.50	52.20	699.90	88.80	663.30	73.80	678.60
1/29/2009	778.30	0.38	135.70	676.50	52.20	699.90	88.80	663.30	74.00	678.40
2/12/2009	779.80		135.70	676.50	52.20	699.90	88.80	663.30	73.50	678.90
2/19/2009	781.30		135.70	676.50	52.20	699.90	88.80	663.30	73.40	679.00
2/27/2009	782.20	4.33	135.70	676.50	52.20	699.90	88.80	663.30	73.30	679.10
3/10/2009	782.70		135.70	676.50	52.20	699.90	88.80	663.30	73.40	679.00

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-3 Lower		R-4 Upper		R-4 Lower		R-5 Upper	
Top Ref. Elev. (ft)			812.200		752.100		752.100		752.400	
Top Ref. Elev. (ft) After 5/21/2012			811.995		754.455		754.455		751.930	
Tip Elev. (ft)			675.995		667.100		655.600		676.930	
Total Depth (ft)			136.0		85.0		96.5		75.0	
Total Depth (ft) After 5/21/2012			136.0		87.4		98.9		75.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-3L		R-4U		R-4L		R-5U	
3/20/2009	782.40		135.70	676.50	52.10	700.00	88.80	663.30	73.40	679.00
3/25/2009	782.20	0.43	135.70	676.50	51.90	700.20	88.70	663.40	73.50	678.90
4/4/2009	785.30		135.70	676.50	51.90	700.20	88.40	663.70	73.60	678.80
4/13/2009	788.50		135.70	676.50	51.90	700.20	88.30	663.80	73.80	678.60
4/21/2009	790.50		135.70	676.50	51.90	700.20	88.20	663.90	73.90	678.50
4/26/2009	791.20	0.00	135.70	676.50	51.90	700.20	88.20	663.90	73.90	678.50
5/4/2009	791.30		135.70	676.50	51.90	700.20	87.60	664.50	74.00	678.40
5/13/2009	790.60		135.70	676.50	51.90	700.20	87.50	664.60	74.00	678.40
5/21/2009	789.90		135.70	676.50	51.90	700.20	87.30	664.80	74.10	678.30
5/30/2009	789.30	0.00	135.70	676.50	51.90	700.20	87.20	664.90	74.10	678.30
6/8/2009	788.70		135.70	676.50	51.90	700.20	87.20	664.90	74.10	678.30
6/17/2009	788.20		135.70	676.50	51.90	700.20	87.10	665.00	73.90	678.50
6/27/2009	787.60	0.00	135.70	676.50	51.90	700.20	87.10	665.00	73.90	678.50
7/7/2009	786.80		135.70	676.50	51.90	700.20	87.10	665.00	73.90	678.50
7/15/2009	786.10		135.70	676.50	51.90	700.20	87.10	665.00	73.90	678.50
7/22/2009	785.50		135.70	676.50	51.90	700.20	87.10	665.00	73.90	678.50
7/30/2009	784.70	0.00	135.70	676.50	51.90	700.20	87.10	665.00	73.90	678.50
8/8/2009	783.90		135.70	676.50	51.90	700.20	87.10	665.00	73.90	678.50
8/15/2009	783.30		135.70	676.50	51.90	700.20	87.10	665.00	73.90	678.50
8/26/2009	782.30	0.00	135.70	676.50	51.90	700.20	87.10	665.00	73.90	678.50
9/5/2009	781.50		135.70	676.50	51.90	700.20	87.10	665.00	73.90	678.50
9/12/2009	780.80		135.70	676.50	51.90	700.20	87.10	665.00	73.90	678.50
9/19/2009	780.20		135.70	676.50	51.90	700.20	87.10	665.00	73.90	678.50
9/28/2009	779.50	0.00	135.70	676.50	51.90	700.20	87.10	665.00	73.90	678.50
10/8/2009	778.50		135.70	676.50	51.90	700.20	87.20	664.90	73.90	678.50
10/19/2009	777.80		135.70	676.50	51.90	700.20	87.20	664.90	73.90	678.50
10/30/2009	776.80	0.24	135.70	676.50	51.90	700.20	87.40	664.70	73.90	678.50

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-3 Lower		R-4 Upper		R-4 Lower		R-5 Upper	
Top Ref. Elev. (ft)			812.200		752.100		752.100		752.400	
Top Ref. Elev. (ft) After 5/21/2012			811.995		754.455		754.455		751.930	
Tip Elev. (ft)			675.995		667.100		655.600		676.930	
Total Depth (ft)			136.0		85.0		96.5		75.0	
Total Depth (ft) After 5/21/2012			136.0		87.4		98.9		75.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-3L		R-4U		R-4L		R-5U	
11/9/2009	776.10		135.70	676.50	51.90	700.20	87.50	664.60	73.90	678.50
11/20/2009	775.40		135.70	676.50	52.00	700.10	87.70	664.40	73.90	678.50
11/28/2009	774.90	0.00	135.70	676.50	52.00	700.10	87.80	664.30	73.90	678.50
12/9/2009	774.60		135.70	676.50	52.10	700.00	87.90	664.20	73.80	678.60
12/18/2009	774.60		135.70	676.50	52.10	700.00	87.90	664.20	73.80	678.60
12/29/2009	774.30	3.56	135.70	676.50	52.10	700.00	87.90	664.20	73.70	678.70
1/9/2010	773.90		135.70	676.50	52.10	700.00	87.90	664.20	73.90	678.50
1/17/2010	773.60		135.70	676.50	52.10	700.00	87.90	664.20	73.80	678.60
1/28/2010	779.90	7.84	135.70	676.50	52.10	700.00	87.90	664.20	74.10	678.30
2/4/2010	780.15		135.70	676.50	52.00	700.10	87.80	664.30	74.10	678.30
2/12/2010	783.40		135.70	676.50	51.90	700.20	87.80	664.30	74.10	678.30
2/19/2010	784.00		135.70	676.50	51.80	700.30	87.80	664.30	74.10	678.30
2/26/2010	784.45	2.69	135.70	676.50	51.60	700.50	87.60	664.50	74.10	678.30
3/6/2010	785.60		135.70	676.50	51.60	700.50	87.60	664.50	74.10	678.30
3/15/2010	786.20		135.50	676.70	51.50	700.60	87.60	664.50	74.10	678.30
3/16/2010	786.30		135.50	676.70	51.50	700.60	87.60	664.50	74.10	678.30
3/24/2010	786.20	2.03	135.70	676.50	51.40	700.70	87.60	664.50	73.90	678.50
4/2/2010	785.80		135.80	676.50	51.50	700.60	87.60	664.50	73.50	678.90
4/4/2010	785.80		135.80	676.40	51.50	700.60	87.60	664.50	73.50	678.90
4/12/2010	787.40		135.90	676.30	51.50	700.60	87.50	664.60	73.40	679.00
4/20/2010	790.10		136.00	676.20	51.50	700.60	87.40	664.70	73.40	679.00
4/28/2010	792.60	1.19	136.00	676.20	51.50	700.60	87.30	664.80	73.50	678.90
5/6/2010	792.90		136.00	676.20	51.50	700.60	87.40	664.70	73.50	678.90
5/14/2010	792.40		136.00	676.10	51.50	700.60	87.30	664.80	73.50	678.90
5/21/2010	792.10		136.10	676.10	51.50	700.60	87.10	665.00	73.60	678.80
5/29/2010	791.70	0.00	136.10	676.10	51.50	700.60	87.00	665.10	73.60	678.80
6/8/2010	791.00		136.10	676.10	51.60	700.50	86.90	665.20	73.60	678.80

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-3 Lower		R-4 Upper		R-4 Lower		R-5 Upper	
Top Ref. Elev. (ft)			812.200		752.100		752.100		752.400	
Top Ref. Elev. (ft) After 5/21/2012			811.995		754.455		754.455		751.930	
Tip Elev. (ft)			675.995		667.100		655.600		676.930	
Total Depth (ft)			136.0		85.0		96.5		75.0	
Total Depth (ft) After 5/21/2012			136.0		87.4		98.9		75.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-3L		R-4U		R-4L		R-5U	
6/15/2010	790.60		136.10	676.10	51.60	700.50	86.80	665.30	73.60	678.80
6/22/2010	790.10		136.10	676.10	51.60	700.50	86.70	665.40	73.60	678.80
6/29/2010	789.70	0.00	136.10	676.10	51.60	700.50	86.70	665.40	73.60	678.80
7/8/2010	789.20		136.10	676.10	51.60	700.50	86.80	665.30	73.40	679.00
7/16/2010	788.70		136.10	676.10	51.60	700.50	86.70	665.40	73.80	678.60
7/23/2010	788.30		136.10	676.10	51.60	700.50	86.80	665.30	73.90	678.50
7/31/2010	787.70	0.00	136.10	676.10	51.60	700.50	86.80	665.30	74.00	678.40
8/7/2010	787.30		136.10	676.10	51.60	700.50	86.80	665.30	73.90	678.50
8/15/2010	786.70		136.10	676.10	51.60	700.50	86.90	665.20	74.00	678.40
8/23/2010	786.10		136.10	676.10	51.60	700.50	86.90	665.20	74.00	678.40
8/29/2010	785.60	0.00	136.10	676.10	51.60	700.50	86.90	665.20	73.90	678.50
9/8/2010	784.90		136.10	676.10	51.60	700.50	86.90	665.20	73.90	678.50
9/17/2010	784.20		136.10	676.10	51.60	700.50	86.90	665.20	73.90	678.50
9/27/2010	783.50	0.00	136.10	676.10	51.60	700.50	86.90	665.20	73.90	678.50
10/8/2010	782.80		136.10	676.10	51.60	700.50	86.90	665.20	73.90	678.50
10/18/2010	782.20		136.10	676.10	51.60	700.50	86.90	665.20	73.90	678.50
10/28/2010	782.00	1.76	136.10	676.10	51.60	700.50	86.90	665.20	73.90	678.50
11/4/2010	781.70		136.10	676.10	51.60	700.50	86.90	665.20	73.90	678.50
11/15/2010	781.10		136.10	676.10	51.60	700.50	86.90	665.20	73.90	678.50
11/26/2010	780.80	1.33	136.10	676.10	51.60	700.50	86.90	665.20	73.90	678.50
12/8/2010	780.50		136.10	676.00	51.60	700.50	86.90	665.20	73.90	678.50
12/16/2010	780.40		136.10	676.10	51.60	700.50	86.90	665.20	73.90	678.50
12/30/2010	792.60	11.72	136.10	676.10					73.60	678.80
1/6/2011	792.20		136.10	676.10					73.60	678.80
1/7/2011	792.20		136.10	676.10	51.60	700.50	98.00	654.10	73.60	678.80
1/17/2011	792.00		136.10	676.10	51.80	700.30	97.00	655.10	74.00	678.40
1/27/2011	791.80	1.11	136.10	676.10	51.80	700.30	86.20	665.90	73.90	678.50

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-3 Lower		R-4 Upper		R-4 Lower		R-5 Upper	
Top Ref. Elev. (ft)			812.200		752.100		752.100		752.400	
Top Ref. Elev. (ft) After 5/21/2012			811.995		754.455		754.455		751.930	
Tip Elev. (ft)			675.995		667.100		655.600		676.930	
Total Depth (ft)			136.0		85.0		96.5		75.0	
Total Depth (ft) After 5/21/2012			136.0		87.4		98.9		75.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-3L		R-4U		R-4L		R-5U	
2/5/2011	791.80		136.10	676.00	51.80	700.30	86.20	665.90	73.90	678.50
2/15/2011	791.80		136.20	676.00	51.80	700.30	86.20	665.90	73.90	678.50
2/23/2011	792.20	2.87	136.20	676.00	51.80	700.30	86.20	665.90	73.90	678.50
3/8/2011	792.10		136.20	676.00	51.80	700.30	86.20	665.90	73.60	678.80
3/19/2011	791.80		136.20	676.00	51.80	700.30	86.20	665.90	72.80	679.60
3/30/2011	791.50	3.23	136.20	676.00	51.80	700.30	86.20	665.90	72.30	680.10
4/7/2011	792.10		136.20	676.00	51.80	700.30	86.20	665.90	72.20	680.20
4/16/2011	792.50		136.20	676.00	51.80	700.30	86.20	665.90	72.20	680.20
4/23/2011	792.60		136.20	676.00	51.80	700.30	86.20	665.90	72.00	680.40
4/30/2011	792.60	0.00	136.10	676.10	51.80	700.30	86.30	665.80	72.00	680.40
5/9/2011	792.40		136.10	676.00	51.70	700.40	86.30	665.80	72.30	680.10
5/16/2011	792.40		136.20	676.00	51.70	700.40	86.30	665.80	72.50	679.90
5/24/2011	792.40		136.20	675.90	51.70	700.40	86.30	665.80	73.00	679.40
5/31/2011	792.40	0.81	136.30	675.90	51.70	700.40	86.40	665.70	73.60	678.80
6/8/2011	792.10		136.30	675.90	51.70	700.40	86.40	665.70	73.90	678.50
6/16/2011	791.90		136.30	675.90	51.70	700.40	86.70	665.40	73.90	678.50
6/23/2011	791.80		136.30	675.90	51.70	700.40	86.40	665.70	72.10	680.30
6/30/2011	791.60	0.00	136.30	675.90	51.70	700.40	86.40	665.70	72.50	679.90
7/8/2011	791.40		136.30	675.90	51.70	700.40	86.40	665.70	73.30	679.10
7/14/2011	791.20		136.30	675.90	51.70	700.40	86.40	665.70	n/a	
7/21/2011	790.90		136.30	675.90	51.70	700.40	86.40	665.70	73.50	678.90
7/30/2011	790.40	0.00	136.30	675.80	51.70	700.40	86.40	665.70	73.70	678.70
8/9/2011	789.90		136.40	675.80	51.70	700.40	86.50	665.60	73.70	678.70
8/15/2011	789.70		136.40	675.70	51.70	700.40	86.50	665.60	73.70	678.70
8/24/2011	789.00		136.50	676.30	51.70	700.40	86.60	665.50	73.70	678.70
9/1/2011	788.65	0.00	135.90	676.20	51.70	700.40	86.70	665.40	73.70	678.70
9/9/2011	787.90		136.00	676.10	51.80	700.30	86.70	665.40	73.70	678.70

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-3 Lower		R-4 Upper		R-4 Lower		R-5 Upper	
Top Ref. Elev. (ft)			812.200		752.100		752.100		752.400	
Top Ref. Elev. (ft) After 5/21/2012			811.995		754.455		754.455		751.930	
Tip Elev. (ft)			675.995		667.100		655.600		676.930	
Total Depth (ft)			136.0		85.0		96.5		75.0	
Total Depth (ft) After 5/21/2012			136.0		87.4		98.9		75.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-3L		R-4U		R-4L		R-5U	
9/16/2011	787.30		136.10	676.10	51.80	700.30	86.70	665.40	73.70	678.70
9/23/2011	787.00		136.10	676.10	51.80	700.30	86.80	665.30	73.70	678.70
9/29/2011	786.80	0.08	136.10	676.10	51.80	700.30	86.80	665.30	73.70	678.70
10/8/2011	786.60		136.10	676.10	51.80	700.30	86.90	665.20	73.60	678.80
10/15/2011	786.40		136.10	676.10	51.80	700.30	86.90	665.20	73.40	679.00
10/26/2011	786.00	1.29	136.10	676.10	51.80	700.30	87.00	665.10	73.30	679.10
11/5/2011	785.50		136.10	676.10	51.80	700.30	87.00	665.10	73.20	679.20
11/14/2011	785.40		136.10	676.20	51.80	700.30	87.00	665.10	73.10	679.30
11/22/2011	785.10		136.00	676.40	51.80	700.30	87.10	665.00	73.30	679.10
11/30/2011	785.10	1.79	135.80	676.40	51.80	700.30	87.10	665.00	73.30	679.10
12/9/2011	784.80		136.10	676.40	51.80	700.30	87.10	665.00	73.30	679.10
12/17/2011	784.60		136.10	676.40	51.90	700.20	87.10	665.00	73.30	679.10
12/22/2011	784.50		136.30	676.40	51.90	700.20	87.10	665.00	73.30	679.10
12/30/2011	784.30	0.45	136.30	675.90	51.90	700.20	87.10	665.00	73.30	679.10
1/7/2012	784.00		136.30	675.90	51.90	700.20	87.10	665.00	72.80	679.60
1/14/2012	783.80		136.30	675.90	51.90	700.20	87.10	665.00	72.50	679.90
1/21/2012	783.60		136.30	675.90	51.90	700.20	87.10	665.00	71.90	680.50
1/28/2012	783.60	1.72	136.30	676.10	51.90	700.20	87.10	665.00	71.70	680.70
2/7/2012	783.40		136.10	676.10	52.00	700.10	87.10	665.00	71.60	680.80
2/15/2012	783.40		136.10	676.10	52.00	700.10	87.10	665.00	71.40	681.00
2/25/2012	783.40	0.62	136.10	676.10	52.00	700.10	87.10	665.00	71.40	681.00
3/5/2012	783.20		136.10	676.10	52.00	700.10	87.10	665.00	71.40	681.00
3/15/2012	782.70		136.10	676.10	52.00	700.10	87.10	665.00	71.40	681.00
3/22/2012	782.60	2.01	136.20	676.10	52.00	700.10	87.10	665.00	71.40	681.00
4/3/2012	782.50		136.10	676.10	52.00	700.10	87.20	664.90	70.60	681.80
4/12/2012	782.10		136.10	676.10	52.00	700.10	87.20	664.90	70.60	681.80
4/21/2012	782.00		136.10	676.10	52.00	700.10	87.30	664.80	70.80	681.60

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-3 Lower		R-4 Upper		R-4 Lower		R-5 Upper	
Top Ref. Elev. (ft)			812.200		752.100		752.100		752.400	
Top Ref. Elev. (ft) After 5/21/2012			811.995		754.455		754.455		751.930	
Tip Elev. (ft)			675.995		667.100		655.600		676.930	
Total Depth (ft)			136.0		85.0		96.5		75.0	
Total Depth (ft) After 5/21/2012			136.0		87.4		98.9		75.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-3L		R-4U		R-4L		R-5U	
4/23/2012	781.90	1.32	136.10	676.10	52.00	700.10	87.30	664.80	70.60	681.80
5/1/2012	781.70		136.10	676.10	52.00	700.10	87.30	664.80	70.60	681.80
5/7/2012	781.30		136.10	676.10	52.00	700.10	87.30	664.80	70.60	681.80
5/21/2012	780.90		136.10	676.00	52.00	700.10	87.30	664.80	70.70	681.70
5/25/2012	780.00	0.06	136.00	676.00	54.80	699.66	88.30	666.16	71.60	680.33
6/4/2012	779.60		135.80	676.10	53.50	700.96	87.30	667.16	73.40	678.53
6/13/2012	778.70		135.90	676.10	53.70	700.76	87.30	667.16	73.40	678.53
6/20/2012	778.00		135.80	676.40	54.00	700.46	89.40	665.06	73.40	678.53
6/25/2012	777.30	0.00	135.60	676.40	54.80	699.66	90.30	664.16	73.40	678.53
7/4/2012	776.30		136.00	676.40	54.90	699.56	90.30	664.16	73.60	678.33
7/13/2012	775.70		135.90	676.00	54.90	699.56	90.40	664.06	73.70	678.23
7/20/2012	775.20		136.00	675.90	54.90	699.56	90.50	663.96	73.70	678.23
7/30/2012	775.00	0.10	136.10	675.90	55.00	699.46	90.50	663.96	73.80	678.13
8/8/2012	773.00		136.10	675.90	55.00	699.46	90.50	663.96	73.80	678.13
8/9/2012	772.90		136.10	675.90	55.00	699.46	90.60	663.86	73.80	678.13
8/18/2012	772.00		136.10	675.90	55.00	699.46	90.70	663.76	73.80	678.13
8/27/2012	771.10		136.10	675.90	55.00	699.46	90.70	663.76	73.80	678.13
8/29/2012	770.90	0.00	136.10	675.90	55.00	699.46	90.70	663.76	73.80	678.13
9/8/2012	769.80		136.10	675.90	55.00	699.46	90.70	663.76	73.80	678.13
9/15/2012	768.90		136.10	675.90	55.00	699.46	90.60	663.86	73.80	678.13
9/29/2012	767.80	0.00	136.10	675.90	55.00	699.46	90.60	663.86	73.80	678.13
10/11/2012	766.80		136.10	675.90	55.00	699.46	90.80	663.66	73.80	678.13
10/23/2012	765.90	1.10	136.10	675.90	55.00	699.46	91.00	663.46	73.80	678.13
11/12/2012	764.60		136.10	675.90	55.00	699.46	91.00	663.46	73.70	678.23
11/23/2012	764.30	0.16	136.10	675.90	55.10	699.36	91.20	663.26	73.70	678.23
12/12/2012	764.50	2.46	136.10	676.10	55.10	699.36	91.20	663.26	73.70	678.23
12/27/2012	769.10		136.10	676.10	55.10	699.36	91.20	663.26	73.70	678.23

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-3 Lower		R-4 Upper		R-4 Lower		R-5 Upper	
Top Ref. Elev. (ft)			812.200		752.100		752.100		752.400	
Top Ref. Elev. (ft) After 5/21/2012			811.995		754.455		754.455		751.930	
Tip Elev. (ft)			675.995		667.100		655.600		676.930	
Total Depth (ft)			136.0		85.0		96.5		75.0	
Total Depth (ft) After 5/21/2012			136.0		87.4		98.9		75.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-3L		R-4U		R-4L		R-5U	
1/16/2013	770.40		137.00	675.20	55.10	699.36	91.20	663.26	73.80	678.13
1/28/2013	769.90	1.82	137.00	676.10	55.10	699.36	91.30	663.16	73.80	678.13
2/15/2013	769.60		136.10	676.10	55.10	699.36	91.40	663.06	73.80	678.13
2/26/2013	769.40	0.68	136.10	676.20	55.10	699.36	91.40	663.06	73.80	678.13
3/13/2013	768.80		136.00	676.20	55.20	699.26	91.40	663.06	73.80	678.13
3/26/2013	768.60	0.66	136.00	676.20	55.20	699.26	91.40	663.06	73.80	678.13
4/10/2013	771.10		136.00	676.20	55.30	699.16	91.40	663.06	73.80	678.13
4/30/2013	772.20	0.00	136.00	676.20	55.30	699.16	91.40	663.06	73.80	678.13
5/9/2013	771.90		136.00	676.20	55.30	699.16	91.40	663.06	73.90	678.03
5/15/2013	771.70		136.00	676.20	55.30	699.16	91.40	663.06	73.90	678.03
5/22/2013	771.40		136.00	676.20	55.30	699.16	91.40	663.06	73.90	678.03
5/30/2013	771.00	0.00	136.00	676.50	55.30	699.16	91.30	663.16	73.50	678.43
6/6/2013	770.80		135.70	676.50	55.30	699.16	91.30	663.16	73.80	678.13
6/13/2013	769.30		135.70	676.50	55.30	699.16	91.30	663.16	73.80	678.13
6/20/2013	769.00		135.70	676.50	55.30	699.16	91.40	663.06	73.80	678.13
6/26/2013	768.60	0.00	135.70	676.50	55.30	699.16	91.30	663.16	73.80	678.13
7/2/2013	767.80		135.70	676.50	55.30	699.16	91.30	663.16	73.80	678.13
7/10/2013	766.90		135.70	676.50	55.30	699.16	91.30	663.16	73.80	678.13
7/16/2013	766.50		135.70	676.50	55.30	699.16	91.40	663.06	73.80	678.13
7/29/2013	765.20	0.00	135.70	676.50	55.30	699.16	91.40	663.06	73.80	678.13
8/5/2013	764.50		135.70	676.50	55.30	699.16	91.30	663.16	73.80	678.13
8/12/2013	763.80		135.70	676.50	55.30	699.16	91.30	663.16	73.80	678.13
8/19/2013	763.30		135.70	676.50	55.30	699.16	91.50	662.96	73.80	678.13
8/26/2013	762.40	0.00	135.70	676.50	55.30	699.16	91.50	662.96	73.80	678.13
9/2/2013	761.50		135.70	676.00	55.30	699.16	91.30	663.16	73.80	678.13
9/10/2013	760.70		136.20	676.00	55.30	699.16	91.50	662.96	73.80	678.13
9/17/2013	759.90		136.20	676.00	55.30	699.16	91.50	662.96	73.80	678.13

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-3 Lower		R-4 Upper		R-4 Lower		R-5 Upper	
Top Ref. Elev. (ft)			812.200		752.100		752.100		752.400	
Top Ref. Elev. (ft) After 5/21/2012			811.995		754.455		754.455		751.930	
Tip Elev. (ft)			675.995		667.100		655.600		676.930	
Total Depth (ft)			136.0		85.0		96.5		75.0	
Total Depth (ft) After 5/21/2012			136.0		87.4		98.9		75.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-3L		R-4U		R-4L		R-5U	
9/23/2013	759.40		136.20	676.00	55.30	699.16	91.50	662.96	73.80	678.13
9/30/2013	758.70	0.00	136.20	676.30	55.30	699.16	91.50	662.96	73.80	678.13
10/7/2013	758.30		135.90	676.30	55.30	699.16	91.50	662.96	73.80	678.13
10/14/2013	757.60		135.90	676.50	55.30	699.16	91.50	662.96	73.80	678.13
10/21/2013	756.60		135.70	676.50	55.30	699.16	91.50	662.96	73.80	678.13
10/28/2013	756.00	0.00	135.70	676.30	55.40	699.06	91.60	662.86	73.80	678.13
11/4/2013	755.70		135.90	676.50	55.40	699.06	91.50	662.96	73.80	678.13
11/11/2013	756.10		135.70	676.50	55.40	699.06	91.70	662.76	73.80	678.13
11/18/2013	755.70		135.70	676.50	55.40	699.06	91.70	662.76	73.80	678.13
11/25/2013	755.40	0.55	135.70	676.30	55.40	699.06	91.70	662.76	73.80	678.13
12/2/2013	755.30		135.90	676.30	55.40	699.06	91.60	662.86	73.80	678.13
12/10/2013	755.40		135.90	676.50	55.40	699.06	91.60	662.86	73.90	678.03
12/16/2013	755.20		135.70	676.50	55.40	699.06	91.60	662.86	73.80	678.13
12/23/2013	755.20		135.70	676.50	55.40	699.06	91.70	662.76	73.90	678.03
12/30/2013	754.80	0.83	135.70	676.50	55.50	698.96	91.80	662.66	73.90	678.03
1/6/2014	754.50		135.70	676.50	55.50	698.96	91.80	662.66	74.10	677.83
1/13/2014	755.00		135.80	676.50	55.50	698.96	91.80	662.66	73.80	678.13
1/20/2014	754.60		135.70	676.50	55.50	698.96	91.80	662.66	73.70	678.23
1/27/2014	754.30	0.00	135.70	676.50	55.50	698.96	91.80	662.66	73.70	678.23
2/3/2014	754.10		135.70	676.10	55.50	698.96	91.80	662.66	73.90	678.03
2/10/2014	754.70		136.10	676.30	55.50	698.96	91.80	662.66	73.90	678.03
2/17/2014	754.50		135.90	676.00	55.50	698.96	91.80	662.66	73.80	678.13
2/24/2014	754.20	0.83	135.70	676.50	55.50	698.96	91.80	662.66	73.80	678.13
3/3/2014	754.50		135.70	676.10	55.50	698.96	91.80	662.66	73.80	678.13
3/10/2014	755.20		136.10	676.50	55.50	698.96	91.80	662.66	73.80	678.13
3/19/2014	755.90		135.70	676.10	55.50	698.96	91.90	662.56	73.80	678.13
3/25/2014	758.80		136.10	676.10	55.50	698.96	91.90	662.56	73.80	678.13

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-3 Lower		R-4 Upper		R-4 Lower		R-5 Upper	
Top Ref. Elev. (ft)			812.200		752.100		752.100		752.400	
Top Ref. Elev. (ft) After 5/21/2012			811.995		754.455		754.455		751.930	
Tip Elev. (ft)			675.995		667.100		655.600		676.930	
Total Depth (ft)			136.0		85.0		96.5		75.0	
Total Depth (ft) After 5/21/2012			136.0		87.4		98.9		75.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-3L		R-4U		R-4L		R-5U	
3/29/2014	760.50		136.10	676.10	55.50	698.96	91.90	662.56	73.80	678.13
3/31/2014	761.60	1.85	136.10	676.10	55.60	698.86	91.80	662.66	73.80	678.13
4/1/2014	762.00		135.70	676.50	55.50	698.96	91.80	662.66	73.80	678.13
4/8/2014	764.70		135.70	676.30	55.50	698.96	91.80	662.66	73.80	678.13
4/15/2014	766.60		135.90	676.50	55.50	698.96	91.80	662.66	73.80	678.13
4/22/2014	768.60		135.70	676.50	55.50	698.96	91.80	662.66	73.80	678.13
4/29/2014	770.40	0.88	135.70	676.50	55.50	698.96	91.80	662.66	73.80	678.13
5/5/2014	769.70		135.70	676.50	55.50	698.96	91.80	662.66	73.80	678.13
5/12/2014	769.00		135.70	676.50	55.50	698.96	91.80	662.66	73.80	678.13
5/19/2014	768.00		135.70	676.50	55.50	698.96	91.80	662.66	73.80	678.13
5/26/2014	767.10	0.00	135.70	676.50	55.50	698.96	91.80	662.66	73.90	678.03
6/2/2014	766.20		135.70	676.50	55.50	698.96	91.80	662.66	73.90	678.03
6/9/2014	765.40		135.70	676.50	55.50	698.96	91.80	662.66	73.90	678.03
6/16/2014	764.30		135.70	676.50	55.50	698.96	91.80	662.66	74.00	677.93
6/23/2014	763.10		135.70	676.50	55.50	698.96	91.80	662.66	74.00	677.93
6/27/2014	762.30	0.00	135.70	676.50	55.50	698.96	91.80	662.66	74.00	677.93
7/7/2014	760.90		135.70	676.00	55.60	698.86	91.80	662.66	73.90	678.03
7/14/2014	760.00		135.70	676.50	55.60	698.86	91.80	662.66	73.90	678.03
7/21/2014	759.10		135.70	676.50	55.60	698.86	91.80	662.66	73.90	678.03
7/28/2014	757.90	0.06	135.70	676.50	55.60	698.86	91.80	662.66	73.90	678.03
8/4/2014	756.80		135.70	676.50	55.60	698.86	91.80	662.66	73.90	678.03
8/11/2014	755.60		135.70	676.50	55.60	698.86	91.80	662.66	73.90	678.03
8/18/2014	754.70		135.70	676.50	55.60	698.86	91.90	662.56	73.80	678.13
8/25/2014	753.30	0.05	135.70	676.00	55.60	698.86	91.90	662.56	73.80	678.13
9/2/2014	751.60		136.20	676.00	55.60	698.86	91.80	662.66	73.80	678.13
9/8/2014	750.50		136.20	676.00	55.60	698.86	91.80	662.66	73.80	678.13
9/15/2014	749.40		135.70	676.50	55.60	698.86	91.80	662.66	73.80	678.13

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-3 Lower		R-4 Upper		R-4 Lower		R-5 Upper	
Top Ref. Elev. (ft)			812.200		752.100		752.100		752.400	
Top Ref. Elev. (ft) After 5/21/2012			811.995		754.455		754.455		751.930	
Tip Elev. (ft)			675.995		667.100		655.600		676.930	
Total Depth (ft)			136.0		85.0		96.5		75.0	
Total Depth (ft) After 5/21/2012			136.0		87.4		98.9		75.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-3L		R-4U		R-4L		R-5U	
9/22/2014	748.30		135.70	676.50	55.60	698.86	91.80	662.66	73.80	678.13
9/29/2014	747.20	0.00	135.70	676.00	55.70	698.76	92.00	662.46	73.90	678.03
10/6/2014	745.70		136.20	676.00	55.60	698.86	91.90	662.56	73.90	678.03
10/13/2014	746.70		136.20	676.00	55.60	698.86	92.00	662.46	73.90	678.03
10/20/2014	746.60		136.20	676.00	55.70	698.76	92.00	662.46	73.90	678.03
10/27/2014	745.80	0.00	136.20	676.00	55.70	698.76	92.00	662.46	73.90	678.03
11/3/2014	746.40		136.20	676.00	55.70	698.76	92.00	662.46	73.90	678.03
11/10/2014	747.20		136.20	676.50	55.70	698.76	92.00	662.46	73.90	678.03
11/17/2014	747.70		135.70	676.50	55.70	698.76	92.00	662.46	73.90	678.03
11/24/2014	748.80	0.61	135.70	676.50	55.70	698.76	92.00	662.46	73.90	678.03
12/1/2014	748.30		135.70	676.50	55.70	698.76	92.00	662.46	73.90	678.03
12/8/2014	749.10		135.70	676.50	55.70	698.76	92.00	662.46	73.90	678.03
12/15/2014	749.80		135.70	676.50	55.70	698.76	92.00	662.46	73.90	678.03
12/29/2014	750.90	5.37	135.70	676.50	55.70	698.76	92.00	662.46	73.90	678.03
1/5/2015	751.30		135.70	676.00	55.70	698.76	92.00	662.46	73.90	678.03
1/12/2015	751.80		136.20	676.00	55.70	698.76	92.00	662.46	74.00	677.93
1/19/2015	752.30		136.20	676.00	55.70	698.76	92.00	662.46	74.00	677.93
1/26/2015	752.60	1.48	135.80	676.50	55.70	698.76	92.00	662.46	73.90	678.03
2/4/2015	753.10		135.70	676.50	55.70	698.76	92.00	662.46	73.90	678.03
2/9/2015	753.30		135.70	676.50	55.80	698.66	92.00	662.46	73.90	678.03
2/16/2015	753.80		135.70	676.50	55.80	698.66	92.00	662.46	73.90	678.03
2/23/2015	753.90	0.44	135.70	676.50	55.80	698.66	92.00	662.46	73.90	678.03
3/2/2015	754.50		135.70	676.00	55.80	698.66	92.00	662.46	73.90	678.03
3/9/2015	755.00		135.70	676.10	55.80	698.66	92.00	662.46	73.90	678.03
3/16/2015	755.30		136.10	676.10	55.80	698.66	92.00	662.46	73.90	678.03
3/23/2015	755.50		136.10	676.10	55.80	698.66	92.00	662.46	73.90	678.03
3/30/2015	755.70	0.57	136.10	676.10	55.80	698.66	92.00	662.46	73.90	678.03

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-3 Lower		R-4 Upper		R-4 Lower		R-5 Upper	
Top Ref. Elev. (ft)			812.200		752.100		752.100		752.400	
Top Ref. Elev. (ft) After 5/21/2012			811.995		754.455		754.455		751.930	
Tip Elev. (ft)			675.995		667.100		655.600		676.930	
Total Depth (ft)			136.0		85.0		96.5		75.0	
Total Depth (ft) After 5/21/2012			136.0		87.4		98.9		75.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-3L		R-4U		R-4L		R-5U	
4/6/2015	755.60		136.10	676.10	55.80	698.66	92.00	662.46	73.90	678.03
4/13/2015	755.80		136.10	676.10	55.80	698.66	92.00	662.46	73.90	678.03
4/20/2015	755.90		136.10	676.10	55.80	698.66	92.00	662.46	73.90	678.03
4/27/2015	755.90	0.20	136.10	676.50	55.80	698.66	92.00	662.46	73.90	678.03
5/4/2015	755.60		135.70	676.50	55.80	698.66	92.00	662.46	73.90	678.03
5/11/2015	755.30		135.70	676.10	55.80	698.66	92.00	662.46	73.90	678.03
5/18/2015	755.20		136.10	676.10	55.80	698.66	92.00	662.46	73.90	678.03
5/26/2015	755.30	0.95	136.10	676.10	55.80	698.66	92.00	662.46	73.90	678.03
6/1/2015	755.20		136.00	676.20	55.80	698.66	92.00	662.46	73.90	678.03
6/8/2015	755.10		136.00	676.20	55.80	698.66	92.00	662.46	73.90	678.03
6/15/2015	755.20		136.00	676.20	55.80	698.66	92.00	662.46	73.90	678.03
6/22/2015	754.80		136.00	676.20	55.80	698.66	92.00	662.46	73.90	678.03
6/29/2015	754.20	0.00	136.00	676.20	55.80	698.66	92.00	662.46	73.90	678.03
7/10/2015	753.30		136.00	676.20	65.80	688.66	92.00	662.46	73.90	678.03
7/15/2015	753.00		136.00	676.20	67.80	686.66	92.00	662.46	73.90	678.03
7/21/2015	752.80		136.00	676.20	69.40	685.06	92.00	662.46	73.90	678.03
7/28/2015	752.40	0.00	136.00	676.20	69.30	685.16	92.00	662.46	73.90	678.03
8/4/2015	752.00		136.00	676.20	69.30	685.16	92.00	662.46	73.90	678.03
8/11/2015	751.60		136.00	676.20	69.30	685.16	92.00	662.46	73.90	678.03
8/18/2015	751.10		136.00	676.20	69.30	685.16	92.00	662.46	73.90	678.03
8/25/2015	750.60	0.00	136.00	676.20	69.30	685.16	92.00	662.46	73.90	678.03
9/1/2015	749.90		136.00	676.20	69.30	685.16	92.00	662.46	73.90	678.03
9/8/2015	749.00		136.00	676.20	69.30	685.16	92.00	662.46	73.90	678.03
9/15/2015	748.70		136.00	676.20	69.30	685.16	92.00	662.46	73.90	678.03
9/22/2015	748.40		136.00	676.20	69.30	685.16	92.00	662.46	73.90	678.03
9/29/2015	748.00	2.27	136.00	676.00	69.30	685.16	92.00	662.46	73.90	678.03
10/6/2015	747.60		136.00	676.00	69.30	685.16	92.00	662.46	73.90	678.03

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-3 Lower		R-4 Upper		R-4 Lower		R-5 Upper	
Top Ref. Elev. (ft)			812.200		752.100		752.100		752.400	
Top Ref. Elev. (ft) After 5/21/2012			811.995		754.455		754.455		751.930	
Tip Elev. (ft)			675.995		667.100		655.600		676.930	
Total Depth (ft)			136.0		85.0		96.5		75.0	
Total Depth (ft) After 5/21/2012			136.0		87.4		98.9		75.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-3L		R-4U		R-4L		R-5U	
10/13/2015	747.10		136.00	676.00	69.30	685.16	92.00	662.46	73.90	678.03
10/20/2015	746.70		136.00	676.00	69.30	685.16	92.00	662.46	73.90	678.03
10/27/2015	746.00	0.56	136.00	676.00	69.30	685.16	92.00	662.46	73.90	678.03
11/4/2015	745.70		136.00	676.00	69.30	685.16	92.00	662.46	73.90	678.03
11/11/2015	745.20		136.00	676.00	69.30	685.16	92.00	662.46	73.90	678.03
11/18/2015	744.80		136.00	676.00	69.30	685.16	92.00	662.46	73.90	678.03
11/25/2015	744.20	0.12	136.00	676.00	69.30	685.16	92.00	662.46	73.90	678.03
12/1/2015	743.70		136.00	676.20	69.30	685.16	92.00	662.46	73.90	678.03
12/8/2015	743.10		135.80	676.20	69.30	685.16	92.00	662.46	73.90	678.03
12/15/2015	742.70		135.80	676.20	69.30	685.16	92.00	662.46	73.90	678.03
12/22/2015	742.30		135.80	676.20	69.30	685.16	92.00	662.46	73.90	678.03
12/29/2015	742.10	1.29	136.00	676.20	69.30	685.16	92.00	662.46	73.90	678.03
1/5/2016	741.70		135.80	676.20	69.30	685.16	92.20	662.26	73.90	678.03
1/12/2016	742.30		135.80	676.20	69.30	685.16	92.20	662.26	73.90	678.03
1/19/2016	742.00		135.80	676.00	69.30	685.16	92.20	662.26	73.90	678.03
1/26/2016	741.80	3.51	136.00	676.00	69.30	685.16	92.20	662.26	73.90	678.03
2/2/2016	741.40		136.00	676.00	69.30	685.16	92.20	662.26	73.90	678.03
2/9/2016	741.00		136.00	676.00	69.30	685.16	92.20	662.26	73.90	678.03
2/16/2016	740.50		136.00	676.20	69.30	685.16	92.20	662.26	73.90	678.03
2/23/2016	740.20	0.35	135.80	676.20	69.30	685.16	92.30	662.16	74.00	677.93
3/1/2016	739.70		135.80	676.10	69.30	685.16	92.30	662.16	74.00	677.93
3/9/2016	739.40		135.90	676.10	69.30	685.16	92.10	662.36	74.00	677.93
3/17/2016	739.30		135.90	676.00	69.30	685.16	92.10	662.36	74.00	677.93
3/23/2016	739.10		136.00	676.00	69.30	685.16	92.10	662.36	74.00	677.93
3/30/2016	738.50	1.59	136.00	676.00	69.30	685.16	92.10	662.36	74.00	677.93
4/6/2016	738.00		136.00	676.00	69.30	685.16	92.20	662.26	74.00	677.93
4/13/2016	737.60		136.00	676.00	69.40	685.06	92.20	662.26	74.00	677.93

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-3 Lower		R-4 Upper		R-4 Lower		R-5 Upper	
Top Ref. Elev. (ft)			812.200		752.100		752.100		752.400	
Top Ref. Elev. (ft) After 5/21/2012			811.995		754.455		754.455		751.930	
Tip Elev. (ft)			675.995		667.100		655.600		676.930	
Total Depth (ft)			136.0		85.0		96.5		75.0	
Total Depth (ft) After 5/21/2012			136.0		87.4		98.9		75.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-3L		R-4U		R-4L		R-5U	
4/20/2016	736.90		136.00	676.00	69.40	685.06	92.20	662.26	74.00	677.93
4/27/2016	736.20	0.07	136.00	675.00	69.40	685.06	92.20	662.26	74.00	677.93
5/4/2016	736.90		137.00	674.00	69.30	685.16	92.10	662.36	74.00	677.93
5/11/2016	737.50		138.00	673.00	69.30	685.16	92.10	662.36	74.00	677.93
5/18/2016	737.00		139.00	676.20	69.50	684.96	92.30	662.16	74.00	677.93
5/25/2016	737.60	1.21	135.80	676.20	69.50	684.96	92.30	662.16	73.90	678.03
6/1/2016	737.60		135.80	676.20	69.50	684.96	92.30	662.16	73.90	678.03
6/8/2016	737.90		135.80	676.20	69.50	684.96	92.30	662.16	73.90	678.03
6/15/2016	738.00		135.80	676.20	69.20	685.26	92.30	662.16	73.90	678.03
6/23/2016	737.70		135.80	676.20	69.20	685.26	92.30	662.16	73.90	678.03
6/29/2016	737.50	0.00	135.80	676.20	69.20	685.26	92.30	662.16	73.90	678.03
7/6/2016	737.40		135.80	676.00	69.20	685.26	92.30	662.16	73.90	678.03
7/15/2016	737.40		136.00	676.00	69.20	685.26	92.30	662.16	73.90	678.03
7/20/2016	737.10		136.00	676.00	69.20	685.26	92.30	662.16	73.90	678.03
7/27/2016	736.70	0.00	136.00	676.00	69.20	685.26	92.30	662.16	73.90	678.03
8/3/2016	736.90		136.00	676.00	69.30	685.16	92.30	662.16	73.90	678.03
8/10/2016	737.10		136.00	676.00	69.30	685.16	92.30	662.16	73.90	678.03
8/17/2016	736.60		136.00	676.00	69.30	685.16	92.30	662.16	73.90	678.03
8/24/2016	736.70		136.00	676.00	69.30	685.16	92.30	662.16	73.90	678.03
8/30/2016	736.70	0.00	136.00	676.00	69.30	685.16	92.30	662.16	73.90	678.03
9/7/2016	737.30		136.00	676.00	69.30	685.16	92.30	662.16	73.90	678.03
9/14/2016	737.90		136.00	676.00	69.30	685.16	92.30	662.16	73.90	678.03
9/21/2016	738.80		136.00	676.00	69.30	685.16	92.30	662.16	73.90	678.03
9/28/2016	739.60	0.00	136.00	676.00	69.30	685.16	92.30	662.16	73.90	678.03
10/5/2016	739.50		136.00	676.00	69.30	685.16	92.30	662.16	73.90	678.03
10/12/2016	739.20		136.00	676.00	69.20	685.26	92.30	662.16	73.90	678.03
10/19/2016	739.30		136.00	676.00	69.20	685.26	92.30	662.16	73.90	678.03

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-3 Lower		R-4 Upper		R-4 Lower		R-5 Upper	
Top Ref. Elev. (ft)			812.200		752.100		752.100		752.400	
Top Ref. Elev. (ft) After 5/21/2012			811.995		754.455		754.455		751.930	
Tip Elev. (ft)			675.995		667.100		655.600		676.930	
Total Depth (ft)			136.0		85.0		96.5		75.0	
Total Depth (ft) After 5/21/2012			136.0		87.4		98.9		75.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-3L		R-4U		R-4L		R-5U	
10/26/2016	740.00	0.89	136.00	675.00	69.20	685.26	92.30	662.16	73.90	678.03
11/2/2016	741.80		137.00	675.00	69.30	685.16	92.30	662.16	73.90	678.03
11/9/2016	741.80		138.00	676.20	69.30	685.16	92.30	662.16	73.90	678.03
11/16/2016	744.00		135.80	676.20	69.30	685.16	92.30	662.16	73.90	678.03
11/23/2016	747.60		135.80	676.20	69.30	685.16	92.30	662.16	73.90	678.03
11/29/2016	750.90	1.62	135.80	676.20	69.30	685.16	92.30	662.16	73.90	678.03
12/7/2016	753.40		135.80	676.20	69.30	685.16	92.30	662.16	73.90	678.03
12/14/2016	753.70		135.80	676.20	69.30	685.16	92.30	662.16	73.90	678.03
12/21/2016	755.60		135.80	676.20	69.30	685.16	92.30	662.16	73.90	678.03
12/28/2016	757.00	4.37	135.80	676.20	69.30	685.16	92.30	662.16	73.90	678.03
1/4/2017	757.50		135.80	676.20	69.30	685.16	92.30	662.16	73.90	678.03
1/13/2017	758.10		135.80	676.20	69.30	685.16	92.30	662.16	73.90	678.03
1/18/2017	758.30		135.80	676.20	69.30	685.16	92.30	662.16	73.90	678.03
1/25/2017	758.00	6.73	135.80	676.20	69.40	685.06	91.80	662.66	73.70	678.23
2/1/2017	769.10		135.80	675.90	69.40	685.06	91.80	662.66	73.70	678.23
2/8/2017	769.70		136.10	675.90	69.40	685.06	91.80	662.66	73.90	678.03
2/15/2017	770.10		136.10	675.90	69.40	685.06	91.80	662.66	73.90	678.03
2/22/2017	771.80	4.17	136.10	675.90	69.40	685.06	91.80	662.66	73.90	678.03
3/1/2017	771.90		136.10	675.90	69.40	685.06	91.80	662.66	73.90	678.03
3/8/2017	771.20		136.10	675.00	69.40	685.06	91.80	662.66	73.90	678.03
3/15/2017	770.60		136.10	675.90	69.40	685.06	91.80	662.66	74.10	677.83
3/22/2017	769.60		136.10	675.90	69.40	685.06	91.80	662.66	74.00	677.93
3/29/2017	768.40	0.13	136.10	675.90	69.40	685.06	91.80	662.66	73.90	678.03
4/5/2017	769.10		136.10	676.20	69.40	685.06	91.80	662.66	73.90	678.03
4/12/2017	768.00		135.80	676.20	69.40	685.06	91.80	662.66	73.90	678.03
4/19/2017	767.90		135.80	676.20	69.50	684.96	92.30	662.16	73.90	678.03
4/26/2017	767.70	0.07	135.80	676.20	69.40	685.06	92.30	662.16	73.90	678.03

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-3 Lower		R-4 Upper		R-4 Lower		R-5 Upper	
Top Ref. Elev. (ft)			812.200		752.100		752.100		752.400	
Top Ref. Elev. (ft) After 5/21/2012			811.995		754.455		754.455		751.930	
Tip Elev. (ft)			675.995		667.100		655.600		676.930	
Total Depth (ft)			136.0		85.0		96.5		75.0	
Total Depth (ft) After 5/21/2012			136.0		87.4		98.9		75.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-3L		R-4U		R-4L		R-5U	
5/1/2017	767.40		135.80	676.20	69.40	685.06	92.30	662.16	73.90	678.03
5/10/2017	766.50		135.80	676.20	69.60	684.86	92.30	662.16	73.90	678.03
5/17/2017	765.90		135.80	676.20	69.60	684.86	92.30	662.16	73.90	678.03
5/24/2017	765.70		135.80	676.20	69.60	684.86	92.30	662.16	73.90	678.03
5/30/2017	765.50	0.36	135.80	676.20	69.60	684.86	92.30	662.16	73.90	678.03
6/7/2017	765.30		135.80	676.00	69.60	684.86	92.30	662.16	73.90	678.03
6/14/2017	765.10		136.00	676.00	69.60	684.86	92.30	662.16	73.90	678.03
6/21/2017	764.80		136.00	676.00	69.60	684.86	92.30	662.16	73.90	678.03
6/28/2017	764.70	0.05	136.00	676.00	69.60	684.86	92.30	662.16	73.90	678.03
7/5/2017	764.20		136.00	676.00	69.60	684.86	92.30	662.16	73.90	678.03
7/12/2017	763.80		136.00	676.00	69.60	684.86	91.80	662.66	73.90	678.03
7/19/2017	763.20		136.00	676.00	69.60	684.86	91.90	662.56	73.90	678.03
7/26/2017	762.70	0.00	136.00	676.00	69.60	684.86	91.90	662.56	73.90	678.03
8/2/2017	761.90		136.00	676.00	69.60	684.86	91.90	662.56	73.90	678.03
8/9/2017	761.60		136.00	676.00	69.40	685.06	91.90	662.56	73.90	678.03
8/16/2017	761.20		136.00	676.00	69.40	685.06	91.80	662.66	73.90	678.03
8/23/2017	760.60		136.00	676.00	69.40	685.06	91.90	662.56	73.90	678.03
8/30/2017	759.80	0.05	136.00	676.00	69.40	685.06	91.80	662.66	73.90	678.03
9/6/2017	758.90		136.00	676.00	69.40	685.06	91.80	662.66	73.90	678.03
9/13/2017	758.70		136.00	676.00	69.40	685.06	91.80	662.66	74.10	677.83
9/20/2017	758.30		136.00	676.00	69.20	685.26	91.80	662.66	74.20	677.73
9/27/2017	757.80	0.00	136.00	676.00	69.30	685.16	91.80	662.66	74.20	677.73
10/4/2017	757.60		136.00	676.00	69.30	685.16	91.80	662.66	74.20	677.73
10/10/2017	757.10		136.00	676.00	69.10	685.36	92.10	662.36	74.10	677.83
10/18/2017	756.90		136.00	676.00	68.90	685.56	92.10	662.36	74.10	677.83
10/25/2017	756.60	0.00	136.00	675.00	69.00	685.46	92.10	662.36	74.10	677.83
11/1/2017	755.70		137.00	676.20	69.00	685.46	92.10	662.36	74.10	677.83

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-3 Lower		R-4 Upper		R-4 Lower		R-5 Upper	
Top Ref. Elev. (ft)			812.200		752.100		752.100		752.400	
Top Ref. Elev. (ft) After 5/21/2012			811.995		754.455		754.455		751.930	
Tip Elev. (ft)			675.995		667.100		655.600		676.930	
Total Depth (ft)			136.0		85.0		96.5		75.0	
Total Depth (ft) After 5/21/2012			136.0		87.4		98.9		75.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-3L		R-4U		R-4L		R-5U	
11/8/2017	755.30		135.80	676.20	69.00	685.46	92.10	662.36	74.10	677.83
11/15/2017	755.10	0.29	135.80	676.20	69.00	685.46	92.10	662.36	74.10	677.83
12/6/2017	754.20		136.00	676.20	69.00	685.46	92.10	662.36	74.10	677.83
12/13/2017	753.90		136.00	676.10	69.00	685.46	92.10	662.36	74.10	677.83
12/20/2017	753.60		135.90	676.10	69.00	685.46	92.10	662.36	74.10	677.83
12/27/2017	753.30	0.00	135.80	676.10	69.00	685.46	92.10	662.36	74.10	677.83
1/3/2018	753.10		135.80	676.20	69.00	685.46	92.10	662.36	74.00	677.93
1/10/2018	753.10		136.00	676.00	69.00	685.46	91.90	662.56	73.90	678.03
1/17/2018	753.00		136.00	676.00	69.00	685.46	91.90	662.56	74.00	677.93
1/24/2018	752.80		136.00	676.00	69.00	685.46	91.90	662.56	74.00	677.93
1/30/2018	752.60	1.79	136.00	676.00	69.00	685.46	92.00	662.46	74.00	677.93
2/7/2018	752.30		136.00	676.00	69.00	685.46	91.90	662.56	74.00	677.93
2/14/2018	751.80		136.00	676.00	68.90	685.56	91.90	662.56	73.90	678.03
2/21/2018	750.20		136.00	676.00	69.30	685.16	92.10	662.36	73.90	678.03
2/27/2018	750.30	0.60	136.00	676.00	69.10	685.36	92.10	662.36	73.90	678.03
3/7/2018	750.20		136.00	676.00	69.10	685.36	92.10	662.36	73.90	678.03
3/15/2018	750.10		135.80	676.20	69.10	685.36	92.10	662.36	73.90	678.03
3/21/2018	750.80		136.00	676.00	69.10	685.36	92.10	662.36	73.90	678.03
3/28/2018	750.90	0.56	136.00	676.00	69.10	685.36	92.10	662.36	73.90	678.03
4/4/2018	751.70		136.00	676.00	69.10	685.36	92.10	662.36	73.90	678.03
4/11/2018	751.70		136.00	676.00	69.30	685.16	92.10	662.36	73.90	678.03
4/18/2018	750.80		136.00	676.00	69.30	685.16	92.10	662.36	73.90	678.03
4/25/2018	749.50	0.05	136.00	676.00	69.30	685.16	92.10	662.36	73.90	678.03
5/1/2018	750.50		136.00	676.00	69.30	685.16	92.10	662.36	73.90	678.03
5/8/2018	749.40		136.00	676.00	69.30	685.16	92.10	662.36	73.90	678.03
5/15/2018	748.30		136.00	676.00	69.30	685.16	92.10	662.36	73.90	678.03
5/22/2018	747.00		136.00	676.00	69.30	685.16	92.10	662.36	73.90	678.03

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-3 Lower		R-4 Upper		R-4 Lower		R-5 Upper	
Top Ref. Elev. (ft)			812.200		752.100		752.100		752.400	
Top Ref. Elev. (ft) After 5/21/2012			811.995		754.455		754.455		751.930	
Tip Elev. (ft)			675.995		667.100		655.600		676.930	
Total Depth (ft)			136.0		85.0		96.5		75.0	
Total Depth (ft) After 5/21/2012			136.0		87.4		98.9		75.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-3L		R-4U		R-4L		R-5U	
5/29/2018	745.60	0.32	136.00	676.00	69.30	685.16	92.10	662.36	73.90	678.03
6/6/2018	744.70		136.00	676.00	69.30	685.16	92.10	662.36	74.00	677.93
6/13/2018	743.70		136.00	676.00	69.30	685.16	92.10	662.36	74.20	677.73
6/20/2018	742.50		136.00	676.00	69.30	685.16	92.10	662.36	74.20	677.73
6/27/2018	741.20	0.00	136.00	676.00	69.30	685.16	92.10	662.36	74.20	677.73
7/5/2018	739.80		136.00	676.00	69.30	685.16	92.10	662.36	74.20	677.73
7/11/2018	738.70		135.80	676.20	69.30	685.16	92.10	662.36	74.20	677.73
7/18/2018	738.50		136.00	676.00	69.30	685.16	92.10	662.36	74.20	677.73
7/25/2018	738.40	0.00	136.00	676.00	69.30	685.16	92.10	662.36	74.20	677.73
8/1/2018	738.10		136.00	676.00	69.30	685.16	92.10	662.36	74.20	677.73
8/8/2018	737.80		136.00	676.00	69.30	685.16	92.10	662.36	74.20	677.73
8/15/2018	737.70		136.00	676.00	69.30	685.16	92.10	662.36	74.20	677.73
8/22/2018	737.90		136.00	676.00	69.30	685.16	92.10	662.36	74.20	677.73
8/29/2018	737.90	0.00	136.00	676.00	69.30	685.16	92.10	662.36	74.20	677.73
9/5/2018	738.00		136.00	676.00	69.30	685.16	90.10	664.36	74.20	677.73
9/12/2018	737.90		136.00	676.00	69.30	685.16	90.10	664.36	74.20	677.73
9/19/2018	737.60		136.00	676.00	69.30	685.16	90.10	664.36	74.20	677.73
9/26/2018	737.30	0.00	136.00	676.00	69.30	685.16	90.10	664.36	74.20	677.73
10/3/2018	737.50		136.00	676.00	69.30	685.16	90.10	664.36	74.20	677.73
10/10/2018	737.70		136.00	676.00	69.30	685.16	90.10	664.36	74.10	677.83
10/17/2018	738.20		136.00	676.00	69.30	685.16	90.10	664.36	74.10	677.83
10/24/2018	738.60		136.00	676.00	69.30	685.16	90.10	664.36	74.10	677.83
10/30/2018	738.50	0.69	136.00	676.00	69.30	685.16	90.10	664.36	74.10	677.83
11/7/2018	738.40		136.00	676.00	69.30	685.16	90.10	664.36	73.80	678.13
11/16/2018	737.70		136.00	676.00	69.30	685.16	90.10	664.36	74.00	677.93
11/21/2018	737.50		136.00	676.00	69.30	685.16	90.10	664.36	74.20	677.73
11/28/2018	737.20	1.66	136.00	676.00	69.30	685.16	90.10	664.36	74.30	677.63

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-3 Lower		R-4 Upper		R-4 Lower		R-5 Upper	
Top Ref. Elev. (ft)			812.200		752.100		752.100		752.400	
Top Ref. Elev. (ft) After 5/21/2012			811.995		754.455		754.455		751.930	
Tip Elev. (ft)			675.995		667.100		655.600		676.930	
Total Depth (ft)			136.0		85.0		96.5		75.0	
Total Depth (ft) After 5/21/2012			136.0		87.4		98.9		75.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-3L		R-4U		R-4L		R-5U	
12/5/2018	737.60		136.00	676.00	69.30	685.16	90.10	664.36	74.10	677.83
12/12/2018	737.70		136.00	676.00	69.30	685.16	90.10	664.36	74.00	677.93
12/19/2018	737.60		136.00	676.00	69.30	685.16	90.10	664.36	74.00	677.93
12/27/2018	737.40	2.05	136.00	676.00	69.30	685.16	90.10	664.36	74.00	677.93
1/2/2019	737.10		136.00	676.00	69.20	685.26	90.10	664.36	74.00	677.93
1/9/2019	738.40		136.00	676.00	69.20	685.26	90.10	664.36	74.00	677.93
1/16/2019	738.50		136.00	676.00	69.20	685.26	90.10	664.36	74.00	677.93
1/23/2019	740.80		135.80	676.20	69.20	685.26	90.10	664.36	74.00	677.93
1/30/2019	740.70	5.18	135.90	676.10	69.20	685.26	90.10	664.36	74.00	677.93
2/6/2019	745.80		135.90	676.10	69.20	685.26	92.10	662.36	74.00	677.93
2/13/2019	747.80		135.90	676.10	69.20	685.26	92.10	662.36	74.00	677.93
2/20/2019	764.70		135.80	676.20	69.20	685.26	92.10	662.36	74.00	677.93
2/27/2019	766.80	8.65	135.80	676.20	69.20	685.26	91.70	662.76	74.00	677.93
3/6/2019	769.50		135.80	676.20	69.20	685.26	91.70	662.76	74.00	677.93
3/13/2019	772.00		135.80	676.20	69.20	685.26	91.70	662.76	74.00	677.93
3/20/2019	773.30		135.80	676.20	69.20	685.26	91.70	662.76	74.00	677.93
3/27/2019	774.30	2.49	135.80	676.20	69.20	685.26	91.70	662.76	74.00	677.93
4/3/2019	774.50		135.80	676.20	69.20	685.26	92.80	661.66	74.00	677.93
4/10/2019	774.70		135.80	676.20	69.20	685.26	92.00	662.46	74.00	677.93
1/17/2019	774.80		135.80	676.20	69.20	685.26	92.10	662.36	74.00	677.93
4/24/2019	774.90	0.10	135.80	676.20	69.20	685.26	92.10	662.36	74.00	677.93
5/1/2019	774.90		135.80	676.20	69.20	685.26	92.10	662.36	74.00	677.93
5/8/2019	774.90		135.80	676.20	69.20	685.26	92.10	662.36	74.00	677.93
5/15/2019	774.60		135.80	676.20	69.20	685.26	92.10	662.36	74.00	677.93
5/22/2019	773.90		135.80	676.20	69.30	685.16	92.10	662.36	74.00	677.93
5/29/2019	773.10	1.07	135.80	676.20	69.30	685.16	92.10	662.36	74.00	677.93
6/5/2019	772.10		135.80	676.20	69.30	685.16	92.10	662.36	74.00	677.93

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-3 Lower		R-4 Upper		R-4 Lower		R-5 Upper	
Top Ref. Elev. (ft)			812.200		752.100		752.100		752.400	
Top Ref. Elev. (ft) After 5/21/2012			811.995		754.455		754.455		751.930	
Tip Elev. (ft)			675.995		667.100		655.600		676.930	
Total Depth (ft)			136.0		85.0		96.5		75.0	
Total Depth (ft) After 5/21/2012			136.0		87.4		98.9		75.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-3L		R-4U		R-4L		R-5U	
6/12/2019	770.80		135.80	676.20	69.30	685.16	92.10	662.36	74.00	677.93
6/19/2019	769.50		135.80	676.20	69.30	685.16	92.10	662.36	74.00	677.93
6/26/2019	768.10	0.03	135.80	676.20	69.30	685.16	92.10	662.36	74.00	677.93
7/3/2019	766.70		135.80	676.20	69.30	685.16	92.10	662.36	74.00	677.93
7/5/2019	766.20		135.70	676.30	69.30	685.16	92.10	662.36	74.00	677.93
7/10/2019	765.10		135.70	676.30	69.30	685.16	92.10	662.36	74.00	677.93
7/17/2019	763.40		135.70	676.30	69.30	685.16	92.10	662.36	74.00	677.93
7/24/2019	761.70		135.70	676.30	69.30	685.16	92.10	662.36	74.00	677.93
7/30/2019	760.50	0.00	135.70	676.30	69.30	685.16	92.10	662.36	74.00	677.93
8/7/2019	759.60		135.70	676.30	69.30	685.16	92.10	662.36	74.00	677.93
8/14/2019	758.80		135.80	676.20	69.30	685.16	92.10	662.36	74.00	677.93
8/21/2019	757.80		135.70	676.30	69.30	685.16	92.10	662.36	74.00	677.93
8/28/2019	757.20	0.00	135.70	676.30	69.30	685.16	92.10	662.36	74.00	677.93
9/4/2019	756.70		135.70	676.30	69.30	685.16	92.10	662.36	74.00	677.93
9/11/2019	756.30		135.80	676.20	69.30	685.16	92.10	662.36	74.00	677.93
9/18/2019	755.90		135.80	676.20	69.30	685.16	92.10	662.36	74.00	677.93
9/25/2019	755.20	0.00	135.80	676.20	69.30	685.16	91.90	662.56	74.00	677.93
10/2/2019	754.60		135.80	676.20	69.30	685.16	91.90	662.56	74.00	677.93
10/10/2019	754.30		135.80	676.20	69.30	685.16	92.10	662.36	74.00	677.93
10/16/2019	753.90		135.80	676.20	69.30	685.16	92.10	662.36	74.00	677.93
10/26/2019	752.70		135.80	676.20	69.30	685.16	92.10	662.36	74.00	677.93
10/30/2019	752.30	0.00	135.80	676.20	69.30	685.16	92.10	662.36	74.00	677.93
11/6/2019	751.70		135.80	676.20	69.30	685.16	92.10	662.36	74.00	677.93
11/13/2019	751.30		135.80	676.20	69.30	685.16	92.10	662.36	74.00	677.93
11/20/2019	751.20		135.80	676.20	69.30	685.16	92.10	662.36	74.00	677.93
11/27/2019	751.10	2.38	135.80	676.20	69.30	685.16	92.10	662.36	74.00	677.93

Notes:
1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-3 Lower		R-4 Upper		R-4 Lower		R-5 Upper	
Top Ref. Elev. (ft)			812.200		752.100		752.100		752.400	
Top Ref. Elev. (ft) After 5/21/2012			811.995		754.455		754.455		751.930	
Tip Elev. (ft)			675.995		667.100		655.600		676.930	
Total Depth (ft)			136.0		85.0		96.5		75.0	
Total Depth (ft) After 5/21/2012			136.0		87.4		98.9		75.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-3L		R-4U		R-4L		R-5U	
12/4/2019	751.20		135.80	676.20	69.30	685.16	92.10	662.36	74.00	677.93
12/11/2019	751.40		135.80	676.20	69.30	685.16	92.10	662.36	74.10	677.83
12/18/2019	751.30		135.80	676.20	69.30	685.16	92.10	662.36	74.10	677.83
12/26/2019	751.60	4.61	135.80	676.20	69.30	685.16	92.10	662.36	74.10	677.83
1/2/2020	751.80		135.80	676.20	69.30	685.16	92.10	662.36	74.10	677.83
1/8/2020	751.90		135.80	676.20	69.30	685.16	92.10	662.36	74.10	677.83
1/15/2020	751.90		135.70	676.30	69.30	685.16	92.10	662.36	74.10	677.83
1/22/2020	751.90		135.80	676.20	69.30	685.16	92.10	662.36	74.10	677.83
1/29/2020	752.00	0.15	135.80	676.20	69.30	685.16	92.10	662.36	74.10	677.83
2/5/2020	751.90		135.80	676.20	69.30	685.16	92.10	662.36	74.10	677.83
2/12/2020	751.90		135.80	676.20	69.30	685.16	92.10	662.36	74.10	677.83
2/19/2020	751.90		135.80	676.20	69.30	685.16	92.10	662.36	74.10	677.83
2/26/2020	751.90	0.53	135.80	676.20	69.30	685.16	92.10	662.36	74.10	677.83
3/4/2020	751.80		135.80	676.20	69.30	685.16	92.10	662.36	74.10	677.83
3/11/2020	751.80		135.80	676.20	69.30	685.16	92.10	662.36	74.10	677.83
3/18/2020	752.10		135.80	676.20	69.30	685.16	92.10	662.36	74.10	677.83
3/25/2020	753.30	4.31	135.80	676.20	69.30	685.16	92.10	662.36	74.00	677.93
4/1/2020	753.60		135.80	676.20	69.30	685.16	92.10	662.36	74.00	677.93
4/8/2020	755.80		135.80	676.20	69.30	685.16	92.10	662.36	74.10	677.83
4/15/2020	760.50		135.80	676.20	69.30	685.16	92.10	662.36	74.10	677.83
4/22/2020	761.50		135.80	676.20	69.30	685.16	92.10	662.36	74.10	677.83
4/29/2020	761.90	3.88	135.80	676.20	69.30	685.16	92.10	662.36	74.10	677.83
5/6/2020	761.20		135.80	676.20	69.30	685.16	92.10	662.36	74.10	677.83
5/13/2020	762.10		135.80	676.20	69.30	685.16	92.10	662.36	74.10	677.83
5/20/2020	762.20		135.80	676.20	69.30	685.16	92.10	662.36	74.10	677.83
5/27/2020	762.10	0.03	135.80	676.20	69.30	685.16	92.10	662.36	74.10	677.83
6/3/2020	761.90		135.80	676.20	69.30	685.16	92.10	662.36	74.10	677.83

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-3 Lower		R-4 Upper		R-4 Lower		R-5 Upper	
Top Ref. Elev. (ft)			812.200		752.100		752.100		752.400	
Top Ref. Elev. (ft) After 5/21/2012			811.995		754.455		754.455		751.930	
Tip Elev. (ft)			675.995		667.100		655.600		676.930	
Total Depth (ft)			136.0		85.0		96.5		75.0	
Total Depth (ft) After 5/21/2012			136.0		87.4		98.9		75.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-3L		R-4U		R-4L		R-5U	
6/10/2020	761.80		135.80	676.20	69.30	685.16	92.10	662.36	74.10	677.83
6/19/2020	760.10		135.80	676.20	69.30	685.16	92.10	662.36	74.10	677.83
6/24/2020	759.00	0.00	135.80	676.20	69.30	685.16	92.10	662.36	74.10	677.83
7/1/2020	757.30		135.80	676.20	69.30	685.16	92.10	662.36	74.10	677.83
7/8/2020	755.80		135.80	676.20	69.30	685.16	92.10	662.36	74.10	677.83
7/15/2020	754.40		135.80	676.20	69.30	685.16	92.10	662.36	74.10	677.83
7/22/2020	752.90		135.80	676.20	69.30	685.16	92.10	662.36	74.10	677.83
7/29/2020	751.40	0.00	135.80	676.20	69.30	685.16	92.10	662.36	74.10	677.83
8/5/2020	749.90		135.80	676.20	69.30	685.16	93.10	661.36	74.10	677.83
8/12/2020	749.60		135.80	676.20	69.30	685.16	93.10	661.36	74.10	677.83
8/19/2020	749.10		135.80	676.20	69.30	685.16	93.10	661.36	74.10	677.83
8/26/2020	747.90	0.00	135.80	676.20	69.30	685.16	93.10	661.36	74.10	677.83
9/2/2020	746.40		135.80	676.20	69.30	685.16	93.10	661.36	74.10	677.83
9/9/2020	745.70		135.80	676.20	69.30	685.16	93.10	661.36	74.10	677.83
9/16/2020	745.20		135.80	676.20	69.30	685.16	93.10	661.36	74.10	677.83
9/19/2020	747.80		135.80	676.20	69.30	685.16	93.10	661.36	74.10	677.83
9/23/2020	749.40		135.80	676.20	69.30	685.16	93.10	661.36	74.10	677.83
9/30/2020	743.50	0.00	135.80	676.20	69.30	685.16	93.10	661.36	74.10	677.83
10/7/2020	742.70		136.00	676.00	69.30	685.16	93.10	661.36	74.10	677.83
10/14/2020	741.60		135.80	676.20	69.30	685.16	93.10	661.36	74.10	677.83
10/21/2020	740.30		135.80	676.20	69.30	685.16	93.10	661.36	74.10	677.83
10/28/2020	739.90	0.00	135.80	676.20	69.30	685.16	93.10	661.36	74.10	677.83
11/4/2020	739.40		135.80	676.20	69.30	685.16	93.10	661.36	74.10	677.83
11/10/2020	739.20		136.10	675.90	69.30	685.16	93.10	661.36	74.20	677.73
11/18/2020	739.00		136.10	675.90	69.30	685.16	93.10	661.36	74.20	677.73
11/25/2020	738.80	0.54	135.90	676.10	69.30	685.16	93.10	661.36	74.00	677.93
12/2/2020	738.50		135.90	676.10	69.30	685.16	93.10	661.36	74.00	677.93

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-3 Lower		R-4 Upper		R-4 Lower		R-5 Upper	
Top Ref. Elev. (ft)			812.200		752.100		752.100		752.400	
Top Ref. Elev. (ft) After 5/21/2012			811.995		754.455		754.455		751.930	
Tip Elev. (ft)			675.995		667.100		655.600		676.930	
Total Depth (ft)			136.0		85.0		96.5		75.0	
Total Depth (ft) After 5/21/2012			136.0		87.4		98.9		75.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-3L		R-4U		R-4L		R-5U	
12/9/2020	738.20		135.90	676.10	69.30	685.16	93.10	661.36	74.10	677.83
12/16/2020	738.00		135.80	676.20	69.30	685.16	93.10	661.36	74.10	677.83
12/23/2020	738.20	1.72	136.10	675.90	69.30	685.16	93.10	661.36	74.00	677.93
1/6/2021	742.10		136.10	675.90	69.30	685.16	93.10	661.36	74.00	677.93
1/13/2021	742.10		136.10	675.90	69.30	685.16	93.10	661.36	74.10	677.83
1/20/2021	741.80		136.10	675.90	69.30	685.16	93.10	661.36	74.10	677.83
1/27/2021	741.70	1.36	135.80	676.20	69.30	685.16	93.10	661.36	74.20	677.73
2/3/2021	741.80		135.80	676.20	69.30	685.16	93.10	661.36	74.20	677.73
2/10/2021	741.60		135.80	676.20	69.30	685.16	93.10	661.36	74.00	677.93
2/17/2021	741.40		135.80	676.20	69.30	685.16	93.10	661.36	74.00	677.93
2/24/2021	741.00	0.14	135.80	676.20	69.30	685.16	93.10	661.36	74.20	677.73
3/3/2021	740.80		135.80	676.20	69.30	685.16	92.10	662.36	74.20	677.73
3/10/2021	740.60		135.80	676.20	69.30	685.16	92.10	662.36	74.10	677.83
3/17/2021	741.00		135.90	676.10	69.30	685.16	92.10	662.36	74.20	677.73
3/24/2021	740.90		135.80	676.20	69.30	685.16	92.10	662.36	74.00	677.93
3/31/2021	740.60	1.53	135.80	676.20	69.30	685.16	92.10	662.36	74.00	677.93
4/7/2021	740.80		135.80	676.20	69.30	685.16	92.10	662.36	74.00	677.93
4/14/2021	740.70		135.80	676.20	69.30	685.16	92.10	662.36	74.10	677.83
4/21/2021	741.30		135.80	676.20	69.30	685.16	92.10	662.36	74.20	677.73
4/28/2021	742.00	0.00	135.80	676.20	69.30	685.16	92.10	662.36	74.20	677.73
5/5/2021	741.90		135.80	676.20	69.30	685.16	92.10	662.36	74.30	677.63
5/15/2021	740.80		135.80	676.20	69.30	685.16	92.10	662.36	74.40	677.53
5/19/2021	740.40		135.80	676.20	69.30	685.16	92.10	662.36	74.00	677.93
5/26/2021	740.10	0.05	136.10	675.90	69.30	685.16	92.10	662.36	74.30	677.63
6/2/2021	739.60		135.80	676.20	69.30	685.16	92.10	662.36	74.20	677.73
6/9/2021	738.30		135.80	676.20	69.30	685.16	92.10	662.36	74.20	677.73
6/16/2021	737.20		135.80	676.20	69.30	685.16	92.10	662.36	74.20	677.73
6/23/2021	736.00		135.80	676.20	69.30	685.16	92.10	662.36	74.20	677.73

Notes:
1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-3 Lower		R-4 Upper		R-4 Lower		R-5 Upper	
Top Ref. Elev. (ft)			812.200		752.100		752.100		752.400	
Top Ref. Elev. (ft) After 5/21/2012			811.995		754.455		754.455		751.930	
Tip Elev. (ft)			675.995		667.100		655.600		676.930	
Total Depth (ft)			136.0		85.0		96.5		75.0	
Total Depth (ft) After 5/21/2012			136.0		87.4		98.9		75.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-3L		R-4U		R-4L		R-5U	
6/30/2021	736.40	0.00	135.80	676.20	69.30	685.16	92.10	662.36	74.20	677.73
7/7/2021	737.00		135.80	676.20	69.30	685.16	92.10	662.36	74.20	677.73
7/14/2021	737.40		135.80	676.20	69.30	685.16	92.10	662.36	74.30	677.63
7/21/2021	737.80		135.80	676.20	69.30	685.16	92.10	662.36	74.20	677.73
7/28/2021	736.40	0.05	136.00	676.00	69.30	685.16	92.10	662.36	74.20	677.73
8/4/2021	736.30		135.80	676.20	69.30	685.16	92.10	662.36	74.20	677.73
8/11/2021	735.90		135.40	676.60	69.30	685.16	92.10	662.36	74.20	677.73
8/18/2021	735.90		135.10	676.90	69.30	685.16	92.10	662.36	74.20	677.73
8/25/2021	735.70	0.00	135.80	676.20	69.30	685.16	92.10	662.36	74.20	677.73
9/1/2021	735.60		135.80	676.20	69.30	685.16	90.90	663.56	74.20	677.73
9/8/2021	736.00		135.80	676.20	69.30	685.16	90.90	663.56	74.20	677.73
9/15/2021	737.00		135.80	676.20	69.30	685.16	90.90	663.56	74.20	677.73
9/22/2021	737.50		135.80	676.20	69.30	685.16	90.90	663.56	74.20	677.73
9/29/2021	738.00	0.00	135.80	676.20	69.30	685.16	90.90	663.56	74.20	677.73
10/6/2021	738.20		135.80	676.20	69.30	685.16	90.90	663.56	74.20	677.73
10/13/2021	738.70		135.90	676.10	69.30	685.16	91.10	663.36	74.20	677.73
10/22/2021	738.80		135.80	676.20	69.30	685.16	91.10	663.36	74.20	677.73
10/27/2021	739.00	0.46	135.80	676.20	69.30	685.16	91.10	663.36	74.20	677.73
11/3/2021	739.60		135.80	676.20	69.30	685.16	90.90	663.56	74.20	677.73
11/10/2021	740.20		135.80	676.20	69.30	685.16	90.90	663.56	74.20	677.73
11/17/2021	740.20		135.80	676.20	69.30	685.16	90.90	663.56	74.30	677.63
11/24/2021	739.90	0.00	135.80	676.20	69.30	685.16	90.90	663.56	74.30	677.63
12/1/2021	739.50		135.80	676.20	69.30	685.16	90.90	663.56	74.30	677.63
12/8/2021	739.40		135.80	676.20	69.30	685.16	91.10	663.36	74.40	677.53
12/15/2021	740.00		135.80	676.20	69.30	685.16	91.10	663.36	74.20	677.73
12/22/2021	740.00		135.80	676.20	69.30	685.16	91.10	663.36	74.20	677.73
12/29/2021	743.00	7.24	135.80	676.20	69.30	685.16	91.10	663.36	74.20	677.73

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-3 Lower		R-4 Upper		R-4 Lower		R-5 Upper	
Top Ref. Elev. (ft)			812.200		752.100		752.100		752.400	
Top Ref. Elev. (ft) After 5/21/2012			811.995		754.455		754.455		751.930	
Tip Elev. (ft)			675.995		667.100		655.600		676.930	
Total Depth (ft)			136.0		85.0		96.5		75.0	
Total Depth (ft) After 5/21/2012			136.0		87.4		98.9		75.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-3L		R-4U		R-4L		R-5U	
1/6/2022	744.20		135.90	676.10	69.30	685.16	91.10	663.36	74.30	677.63
1/12/2022	744.20		135.90	676.10	69.30	685.16	91.10	663.36	74.20	677.73
1/19/2022	744.10		135.90	676.10	69.30	685.16	91.10	663.36	74.20	677.73
1/26/2022	744.00	0.05	135.90	676.10	69.30	685.16	91.10	663.36	74.20	677.73
2/2/2022	743.80		135.90	676.10	69.30	685.16	91.10	663.36	74.30	677.63
2/9/2022	743.70		135.90	676.10	69.30	685.16	90.90	663.56	74.30	677.63
2/16/2022	743.60		135.90	676.10	69.30	685.16	91.10	663.36	74.30	677.63
2/28/2022	743.40	0.04	135.90	676.10	69.30	685.16	91.10	663.36	74.30	677.63
3/2/2022	743.30		135.90	676.10	69.30	685.16	91.10	663.36	74.30	677.63
3/9/2022	743.10		135.90	676.10	69.30	685.16	91.10	663.36	74.30	677.63
3/16/2022	743.00		135.90	676.10	69.30	685.16	91.10	663.36	74.30	677.63
3/23/2022	742.80		135.90	676.10	69.30	685.16	91.10	663.36	74.30	677.63
3/30/2022	742.10	1.28	135.90	676.10	69.30	685.16	91.10	663.36	74.30	677.63
4/6/2022	741.90		135.90	676.10	69.30	685.16	91.10	663.36	74.30	677.63
4/13/2022	741.60		135.90	676.10	69.30	685.16	91.10	663.36	74.30	677.63
4/20/2022	741.10		135.90	676.10	69.30	685.16	91.10	663.36	74.30	677.63
4/27/2022	740.20	0.25	135.90	676.10	69.30	685.16	91.10	663.36	74.30	677.63
5/4/2022	739.30		135.90	676.10	69.30	685.16	91.10	663.36	74.30	677.63
5/11/2022	738.10		135.90	676.10	69.30	685.16	91.10	663.36	74.30	677.63
5/18/2022	737.90		135.90	676.10	69.30	685.16	91.10	663.36	74.30	677.63
5/25/2022	737.00	0.00	135.90	676.10	69.30	685.16	91.10	663.36	74.30	677.63
6/1/2022	737.00		135.80	676.20	69.30	685.16	91.10	663.36	74.30	677.63
6/8/2022	738.00		135.80	676.20	69.30	685.16	91.10	663.36	74.30	677.63
6/15/2022	738.60		135.80	676.20	69.30	685.16	91.10	663.36	74.30	677.63
6/22/2022	741.70		135.90	676.10	69.30	685.16	91.10	663.36	74.30	677.63
6/29/2022	742.80	0.00	135.90	676.10	69.30	685.16	91.10	663.36	74.30	677.63
7/6/2022	744.60		135.90	676.10	69.30	685.16	91.10	663.36	74.30	677.63

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-3 Lower		R-4 Upper		R-4 Lower		R-5 Upper	
Top Ref. Elev. (ft)			812.200		752.100		752.100		752.400	
Top Ref. Elev. (ft) After 5/21/2012			811.995		754.455		754.455		751.930	
Tip Elev. (ft)			675.995		667.100		655.600		676.930	
Total Depth (ft)			136.0		85.0		96.5		75.0	
Total Depth (ft) After 5/21/2012			136.0		87.4		98.9		75.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-3L		R-4U		R-4L		R-5U	
7/13/2022	745.50		135.90	676.10	69.30	685.16	91.10	663.36	74.30	677.63
7/20/2022	745.50		135.90	676.10	69.30	685.16	91.10	663.36	74.30	677.63
7/27/2022	744.50	0.03	135.90	676.10	69.30	685.16	91.10	663.36	74.30	677.63
8/3/2022	743.00		135.90	676.10	69.30	685.16	91.10	663.36	74.30	677.63
8/10/2022	742.10		136.30	675.70	69.30	685.16	91.10	663.36	74.30	677.63
8/17/2022	744.60		136.30	675.70	69.30	685.16	91.10	663.36	74.30	677.63
8/24/2022	746.60		136.30	675.70	69.30	685.16	91.10	663.36	74.30	677.63
8/31/2022	748.70	0.03	136.30	675.70	69.30	685.16	91.10	663.36	74.30	677.63
9/7/2022	749.60		136.30	675.70	69.30	685.16	91.10	663.36	74.30	677.63
9/14/2022	749.00		136.30	675.70	69.30	685.16	91.10	663.36	74.30	677.63
9/21/2022	747.60		135.90	676.10	69.30	685.16	91.10	663.36	74.30	677.63
9/28/2022	746.00	0.29	135.90	676.10	69.30	685.16	91.10	663.36	74.30	677.63
10/5/2022	744.90		135.90	676.10	69.30	685.16	91.10	663.36	74.30	677.63
10/12/2022	743.90		135.90	676.10	69.30	685.16	91.10	663.36	74.30	677.63
10/19/2022	743.70		135.90	676.10	69.30	685.16	91.10	663.36	74.90	677.03
10/26/2022	743.50	0.44	135.90	676.10	69.30	685.16	91.10	663.36	74.90	677.03
11/2/2022	743.40		135.90	676.10	69.30	685.16	91.10	663.36	74.90	677.03
11/9/2022	744.40		135.90	676.10	69.30	685.16	91.10	663.36	74.90	677.03
11/16/2022	744.30		135.90	676.10	69.30	685.16	91.10	663.36	74.90	677.03
11/23/2022	744.00		135.90	676.10	69.30	685.16	91.10	663.36	74.90	677.03
11/30/2022	743.70	1.24	135.90	676.10	69.30	685.16	91.10	663.36	74.90	677.03
12/1/2022	739.50		135.90	676.10	69.30	685.16	91.10	663.36	74.30	677.63
12/8/2022	739.40		135.90	676.10	69.30	685.16	91.10	663.36	74.40	677.53
12/15/2022	740.00		135.90	676.10	69.30	685.16	91.10	663.36	74.20	677.73
12/22/2022	740.00		135.90	676.10	69.30	685.16	91.10	663.36	74.20	677.73
12/29/2022	742.00	2.62	135.90	676.10	69.30	685.16	91.10	663.36	74.20	677.73
1/4/2023	745.60		135.90	676.10	69.30	685.16	91.10	663.36	74.90	677.03

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-3 Lower		R-4 Upper		R-4 Lower		R-5 Upper	
Top Ref. Elev. (ft)			812.200		752.100		752.100		752.400	
Top Ref. Elev. (ft) After 5/21/2012			811.995		754.455		754.455		751.930	
Tip Elev. (ft)			675.995		667.100		655.600		676.930	
Total Depth (ft)			136.0		85.0		96.5		75.0	
Total Depth (ft) After 5/21/2012			136.0		87.4		98.9		75.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-3L		R-4U		R-4L		R-5U	
1/11/2023	748.90		135.90	676.10	69.30	685.16	91.10	663.36	74.90	677.03
1/18/2023	758.90		135.90	676.10	69.30	685.16	91.10	663.36	74.90	677.03
1/25/2023	760.90	6.31	135.90	676.10	69.30	685.16	91.10	663.36	74.90	677.03
2/1/2023	761.50		135.90	676.10	69.30	685.16	91.10	663.36	74.90	677.03
2/8/2023	761.80		135.90	676.10	69.30	685.16	91.10	663.36	74.90	677.03
2/15/2023	762.00		136.00	676.00	69.30	685.16	91.10	663.36	74.90	677.03
2/22/2023	762.20	2.95	136.00	676.00	69.30	685.16	91.10	663.36	74.90	677.03
3/1/2023	763.60		135.90	676.10	69.30	685.16	89.40	665.06	74.90	677.03
3/8/2023	764.10		135.90	676.10	69.30	685.16	89.40	665.06	74.90	677.03
3/15/2023	764.30		135.90	676.10	67.90	686.56	89.40	665.06	74.90	677.03
3/22/2023	772.80		135.90	676.10	67.90	686.56	89.40	665.06	74.90	677.03
3/29/2023	775.60	6.45	135.90	676.10	67.90	686.56	89.40	665.06	74.90	677.03
4/5/2023	777.40		135.80	676.20	69.30	685.16	91.00	663.46	74.90	677.03
4/12/2023	778.90		135.80	676.20	69.30	685.16	91.10	663.36	74.90	677.03
4/19/2023	779.50		135.90	676.10	69.30	685.16	91.10	663.36	74.90	677.03
4/26/2023	779.80	0.10	135.90	676.10	69.30	685.16	91.10	663.36	74.90	677.03
5/3/2023	779.80		135.60	676.40	69.30	685.16	91.10	663.36	74.90	677.03
5/10/2023	779.90		135.30	676.70	69.30	685.16	91.10	663.36	74.90	677.03
5/17/2023	779.70		135.40	676.60	69.30	685.16	91.10	663.36	74.90	677.03
5/24/2023	779.60	0.79	135.30	676.70	69.30	685.16	91.10	663.36	74.90	677.03
5/31/2023	779.20		135.30	676.70	69.30	685.16	91.10	663.36	74.90	677.03
6/7/2023	779.20		135.30	676.70	69.30	685.16	91.10	663.36	74.90	677.03
6/14/2023	778.90		135.30	676.70	69.30	685.16	91.10	663.36	74.90	677.03
6/21/2023	778.50		135.30	676.70	69.30	685.16	91.10	663.36	74.90	677.03
6/28/2023	777.90	0.09	135.30	676.70	69.30	685.16	91.10	663.36	74.90	677.03
7/5/2023	777.40		136.00	676.00	69.30	685.16	91.10	663.36	74.90	677.03
7/12/2023	776.70		136.00	676.00	68.00	686.46	90.50	663.96	74.90	677.03

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-3 Lower		R-4 Upper		R-4 Lower		R-5 Upper	
Top Ref. Elev. (ft)			812.200		752.100		752.100		752.400	
Top Ref. Elev. (ft) After 5/21/2012			811.995		754.455		754.455		751.930	
Tip Elev. (ft)			675.995		667.100		655.600		676.930	
Total Depth (ft)			136.0		85.0		96.5		75.0	
Total Depth (ft) After 5/21/2012			136.0		87.4		98.9		75.0	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-3L		R-4U		R-4L		R-5U	
7/19/2023	776.00		136.00	676.00	68.00	686.46	90.50	663.96	74.90	677.03
7/26/2023	775.00	0.00	136.00	676.00	68.00	686.46	90.50	663.96	74.90	677.03
8/3/2023	774.40		136.00	676.00	68.00	686.46	91.10	663.36	74.90	677.03
8/9/2023	774.00		136.00	676.00	68.00	686.46	91.10	663.36	74.90	677.03
8/16/2023	773.50		136.00	676.00	68.00	686.46	91.10	663.36	74.90	677.03
8/23/2023	773.50		136.00	676.00	68.00	686.46	91.10	663.36	74.90	677.03
8/31/2023	773.30	2.00	136.00	676.00	68.00	686.46	91.10	663.36	74.90	677.03
9/6/2023	773.20		136.00	676.00	68.00	686.46	91.10	663.36	74.90	677.03
9/13/2023	772.60		136.00	676.00	68.00	686.46	91.10	663.36	74.90	677.03
9/20/2023	772.10		136.00	676.00	68.00	686.46	91.10	663.36	74.90	677.03
9/27/2023	771.40	0.04	136.00	676.00	68.00	686.46	91.10	663.36	74.90	677.03
10/5/2023	770.40		136.00	676.00	68.00	686.46	90.90	663.56	74.90	677.03
10/12/2023	769.50		136.00	676.00	68.00	686.46	90.90	663.56	74.90	677.03
10/18/2023	768.30		136.00	676.00	68.00	686.46	90.90	663.56	74.90	677.03
10/25/2023	765.20	0.18	136.00	676.00	68.00	686.46	90.90	663.56	74.90	677.03
11/2/2023	762.70		136.00	676.00	68.00	686.46	90.90	663.56	74.90	677.03
11/8/2023	762.50		136.00	676.00	68.00	686.46	90.90	663.56	74.90	677.03
11/16/2023	762.40		136.00	676.00	68.00	686.46	90.90	663.56	74.90	677.03
11/21/2023	762.10		136.00	676.00	68.00	686.46	90.90	663.56	74.90	677.03
11/28/2023	761.60	0.52	136.00	676.00	68.00	686.46	90.90	663.56	74.90	677.03
12/7/2023	761.00		136.00	676.00	68.00	686.46	90.90	663.56	74.90	677.03
12/12/2023	760.70		136.00	676.00	68.00	686.46	90.90	663.56	74.90	677.03
12/19/2023	760.20	1.09	136.00	676.00	68.00	686.46	90.90	663.56	74.90	677.03

Notes:
1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-5 Lower		R-6 Upper		R-6 Lower		R-7 Upper	
Top Ref. Elev. (ft)			752.400		812.200		812.200		750.700	
Top Ref. Elev. (ft) After 5/21/2012			751.920		811.520		811.510		754.355	
Tip Elev. (ft)			654.420		700.020		674.510		677.200	
Total Depth (ft)			97.5		111.5		137.0		73.5	
Total Depth (ft) After 5/21/2012			97.5		111.5		137.0		77.2	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-5L		R-6U		R-6L		R-7U	
1/10/2007	749.70		82.30	670.10	96.00	716.20	133.20	679.00	72.20	678.50
1/19/2007	749.40		82.40	670.00	96.00	716.20	132.20	680.00	72.20	678.50
1/29/2007	749.60		82.50	669.90	96.00	716.20	132.30	679.90	72.20	678.50
2/7/2007	750.00		82.40	670.00	96.00	716.20	133.20	679.00	72.20	678.50
2/16/2007	750.20		82.40	670.00	96.00	716.20	133.20	679.00	72.20	678.50
2/26/2007	750.60		82.30	670.10	96.00	716.20	133.10	679.10	72.20	678.50
3/6/2007	751.70		82.30	670.10	96.00	716.20	132.90	679.30	72.20	678.50
3/17/2007	755.10		82.30	670.10	96.00	716.20	132.00	680.20	72.20	678.50
3/25/2007	756.30		82.20	670.20	96.00	716.20	133.00	679.20	72.20	678.50
4/6/2007	760.00		82.20	670.20	96.00	716.20	133.00	679.20	72.20	678.50
4/16/2007	762.90		82.20	670.20	96.00	716.20	133.00	679.20	72.20	678.50
4/27/2007	767.10		82.10	670.30	96.00	716.20	133.00	679.20	72.20	678.50
5/9/2007	766.80		82.20	670.20	96.00	716.20	133.00	679.20	72.20	678.50
5/19/2007	764.80		82.20	670.20	96.00	716.20	133.00	679.20	72.20	678.50
5/29/2007	762.80		82.20	670.20	96.00	716.20	133.00	679.20	72.20	678.50
6/8/2007	761.20		82.20	670.20	96.00	716.20	133.00	679.20	72.20	678.50
6/18/2007	759.90		82.20	670.20	96.00	716.20	133.00	679.20	72.20	678.50
6/28/2007	758.10		82.20	670.20	96.00	716.20	133.00	679.20	72.20	678.50
7/10/2007	756.70		82.20	670.20	96.00	716.20	133.00	679.20	72.20	678.50
7/19/2007	755.80		82.30	670.10	96.00	716.20	133.00	679.20	72.20	678.50
7/30/2007	754.90		82.30	670.10	96.00	716.20	132.90	679.30	72.20	678.50
8/11/2007	754.40		82.30	670.10	96.00	716.20	132.90	679.30	72.20	678.50
8/22/2007	753.80		82.30	670.10	96.00	716.20	132.90	679.30	72.20	678.50
8/30/2007	753.30		82.30	670.10	96.00	716.20	132.90	679.30	72.20	678.50
9/7/2007	753.20		82.30	670.10	96.00	716.20	132.90	679.30	72.20	678.50
9/18/2007	753.00		82.30	670.10	96.00	716.20	132.90	679.30	72.20	678.50
9/27/2007	753.60		82.30	670.10	96.00	716.20	132.90	679.30	72.20	678.50

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-5 Lower		R-6 Upper		R-6 Lower		R-7 Upper	
Top Ref. Elev. (ft)			752.400		812.200		812.200		750.700	
Top Ref. Elev. (ft) After 5/21/2012			751.920		811.520		811.510		754.355	
Tip Elev. (ft)			654.420		700.020		674.510		677.200	
Total Depth (ft)			97.5		111.5		137.0		73.5	
Total Depth (ft) After 5/21/2012			97.5		111.5		137.0		77.2	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-5L		R-6U		R-6L		R-7U	
10/8/2007	754.90		82.30	670.10	96.20	716.00	132.90	679.30	72.20	678.50
10/17/2007	756.20		82.30	670.10	96.40	715.80	132.90	679.30	72.20	678.50
10/30/2007	757.80		82.30	670.10	96.20	716.00	132.90	679.30	72.20	678.50
11/9/2007	759.60		82.30	670.10	96.60	715.60	133.10	679.10	72.20	678.50
11/19/2007	763.60		82.30	670.10	96.90	715.30	133.20	679.00	72.20	678.50
11/28/2007	766.50		82.30	670.10	97.10	715.10	133.60	678.60	72.20	678.50
12/8/2007	768.70		82.30	670.10	97.00	715.20	133.70	678.50	72.20	678.50
12/18/2007	768.50		82.30	670.10	96.90	715.30	133.80	678.40	72.20	678.50
12/28/2007	769.30		82.30	670.10	96.80	715.40	133.80	678.40	72.20	678.50
1/9/2008	770.50		82.30	670.10	97.40	714.80	133.50	678.70	72.20	678.50
1/19/2008	770.30		82.30	670.10	97.70	714.50	133.40	678.80	72.20	678.50
1/29/2008	772.70		82.30	670.10	98.00	714.20	133.10	679.10	72.20	678.50
2/9/2008	774.10		82.30	670.10	98.30	713.90	133.20	679.00	72.20	678.50
2/19/2008	774.40		82.30	670.10	97.90	714.30	132.90	679.30	72.20	678.50
2/27/2008	775.00		82.30	670.10	97.90	714.30	133.00	679.20	72.20	678.50
3/7/2008	775.00		82.20	670.20	97.80	714.40	133.20	679.00	72.20	678.50
3/18/2008	775.00		82.20	670.20	97.70	714.50	133.30	678.90	72.20	678.50
3/29/2008	774.90		82.20	670.20	97.50	714.70	133.40	678.80	72.20	678.50
4/10/2008	775.00		82.20	670.20	97.50	714.70	133.10	679.10	72.20	678.50
4/20/2008	774.80		82.20	670.20	97.40	714.80	132.90	679.30	72.20	678.50
5/5/2008	774.65		82.10	670.30	97.70	714.50	133.10	679.10	72.20	678.50
5/13/2008	773.90		82.10	670.30	97.70	714.50	133.20	679.00	72.20	678.50
5/21/2008	772.85		82.00	670.40	97.60	714.60	133.20	679.00	72.20	678.50
5/31/2008	772.10		82.00	670.40	97.60	714.60	133.30	678.90	72.20	678.50
6/9/2008	771.20		82.00	670.40	97.70	714.50	133.30	678.90	72.20	678.50
6/18/2008	770.50		82.00	670.40	97.80	714.40	133.30	678.90	72.20	678.50
6/26/2008	769.60		82.10	670.30	98.00	714.20	133.30	678.90	72.20	678.50

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-5 Lower		R-6 Upper		R-6 Lower		R-7 Upper	
Top Ref. Elev. (ft)			752.400		812.200		812.200		750.700	
Top Ref. Elev. (ft) After 5/21/2012			751.920		811.520		811.510		754.355	
Tip Elev. (ft)			654.420		700.020		674.510		677.200	
Total Depth (ft)			97.5		111.5		137.0		73.5	
Total Depth (ft) After 5/21/2012			97.5		111.5		137.0		77.2	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-5L		R-6U		R-6L		R-7U	
7/8/2008	768.10		82.00	670.40	98.50	713.70	133.60	678.60	72.20	678.50
7/19/2008	766.60		82.20	670.20	98.80	713.40	133.70	678.50	72.20	678.50
7/29/2008	765.50	0.00	82.20	670.20	98.90	713.30	133.60	678.60	72.20	678.50
8/4/2008	764.60	0.00	82.00	670.40	98.90	713.30	133.60	678.60	72.20	678.50
8/9/2008	764.25	0.00	82.00	670.40	98.90	713.30	133.50	678.70	72.20	678.50
8/19/2008	763.20	0.00	82.00	670.40	98.80	713.40	133.40	678.80	72.20	678.50
8/28/2008	762.25	0.00	82.00	670.40	98.70	713.50	133.20	679.00	72.20	678.50
9/6/2008	761.00	0.00	82.20	670.20	98.90	713.30	133.20	679.00	72.20	678.50
9/17/2008	760.10	0.00	82.20	670.20	99.20	713.00	133.30	678.90	72.20	678.50
9/29/2008	759.20	0.00	82.30	670.10	99.50	712.70	133.30	678.90	72.20	678.50
10/8/2008	759.00	0.00	82.40	670.00	99.80	712.40	133.20	679.00	72.20	678.50
10/18/2008	758.90	0.00	82.40	670.00	100.20	712.00	133.20	679.00	72.20	678.50
10/29/2008	761.30	0.00	82.40	670.00	100.60	711.60	133.20	679.00	72.20	678.50
11/8/2008	764.30	0.00	82.40	670.00	100.30	711.90	133.50	678.70	72.20	678.50
11/17/2008	766.90	0.00	82.40	670.00	99.00	713.20	133.50	678.70	72.20	678.50
11/25/2008	769.90	1.71	82.40	670.00	98.40	713.80	133.40	678.80	72.20	678.50
12/4/2008	773.90		82.00	670.40	98.60	713.60	133.10	679.10	72.20	678.50
12/13/2008	777.30		81.70	670.70	98.60	713.60	133.10	679.10	72.20	678.50
12/21/2008	779.10		81.10	671.30	98.60	713.60	133.10	679.10	72.20	678.50
12/30/2008	779.40	3.99	80.60	671.80	98.60	713.60	133.10	679.10	72.20	678.50
1/8/2009	779.30		81.00	671.40	98.00	714.20	133.10	679.10	72.20	678.50
1/19/2009	778.50		81.70	670.70	96.90	715.30	133.10	679.10	72.20	678.50
1/29/2009	778.30	0.38	82.00	670.40	96.00	716.20	133.10	679.10	72.20	678.50
2/12/2009	779.80		79.60	672.80	96.00	716.20	132.60	679.60	72.20	678.50
2/19/2009	781.30		79.60	672.80	96.00	716.20	132.90	679.30	72.20	678.50
2/27/2009	782.20	4.33	79.60	672.80	96.00	716.20	133.20	679.00	72.20	678.50
3/10/2009	782.70		80.00	672.40	96.00	716.20	133.30	678.90	72.20	678.50

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-5 Lower		R-6 Upper		R-6 Lower		R-7 Upper	
Top Ref. Elev. (ft)			752.400		812.200		812.200		750.700	
Top Ref. Elev. (ft) After 5/21/2012			751.920		811.520		811.510		754.355	
Tip Elev. (ft)			654.420		700.020		674.510		677.200	
Total Depth (ft)			97.5		111.5		137.0		73.5	
Total Depth (ft) After 5/21/2012			97.5		111.5		137.0		77.2	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-5L		R-6U		R-6L		R-7U	
3/20/2009	782.40		80.30	672.10	96.00	716.20	133.30	678.90	72.20	678.50
3/25/2009	782.20	0.43	80.60	671.80	95.90	716.30	133.40	678.80	72.20	678.50
4/4/2009	785.30		80.70	671.70	95.80	716.40	133.40	678.80	72.20	678.50
4/13/2009	788.50		80.90	671.50	95.60	716.60	133.40	678.80	72.20	678.50
4/21/2009	790.50		80.90	671.50	95.50	716.70	133.40	678.80	72.20	678.50
4/26/2009	791.20	0.00	80.90	671.50	95.50	716.70	133.40	678.80	72.20	678.50
5/4/2009	791.30		80.90	671.50	95.00	717.20	133.40	678.80	72.20	678.50
5/13/2009	790.60		81.00	671.40	94.60	717.60	133.40	678.80	72.20	678.50
5/21/2009	789.90		81.00	671.40	94.60	717.60	133.20	679.00	72.20	678.50
5/30/2009	789.30	0.00	81.10	671.30	94.40	717.80	133.00	679.20	72.20	678.50
6/8/2009	788.70		81.10	671.30	94.10	718.10	132.90	679.30	72.20	678.50
6/17/2009	788.20		81.10	671.30	95.90	716.30	132.80	679.40	72.20	678.50
6/27/2009	787.60	0.00	81.10	671.30	95.80	716.40	132.80	679.40	72.20	678.50
7/7/2009	786.80		81.20	671.20	93.80	718.40	133.00	679.20	72.20	678.50
7/15/2009	786.10		81.30	671.10	93.80	718.40	133.10	679.10	72.20	678.50
7/22/2009	785.50		81.40	671.00	93.70	718.50	133.10	679.10	72.20	678.50
7/30/2009	784.70	0.00	81.40	671.00	93.70	718.50	133.30	678.90	72.20	678.50
8/8/2009	783.90		81.40	671.00	93.80	718.40	133.50	678.70	72.20	678.50
8/15/2009	783.30		81.40	671.00	93.90	718.30	133.60	678.60	72.20	678.50
8/26/2009	782.30	0.00	81.40	671.00	93.90	718.30	133.90	678.30	72.20	678.50
9/5/2009	781.50		81.40	671.00	94.10	718.10	133.50	678.70	72.20	678.50
9/12/2009	780.80		81.40	671.00	94.20	718.00	133.00	679.20	72.20	678.50
9/19/2009	780.20		81.40	671.00	94.30	717.90	133.00	679.20	72.20	678.50
9/28/2009	779.50	0.00	81.40	671.00	94.40	717.80	132.60	679.60	72.20	678.50
10/8/2009	778.50		81.50	670.90	94.50	717.70	132.80	679.40	72.20	678.50
10/19/2009	777.80		81.60	670.80	94.70	717.50	132.80	679.40	72.20	678.50
10/30/2009	776.80	0.24	81.60	670.80	94.90	717.30	132.90	679.30	72.20	678.50

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-5 Lower		R-6 Upper		R-6 Lower		R-7 Upper	
Top Ref. Elev. (ft)			752.400		812.200		812.200		750.700	
Top Ref. Elev. (ft) After 5/21/2012			751.920		811.520		811.510		754.355	
Tip Elev. (ft)			654.420		700.020		674.510		677.200	
Total Depth (ft)			97.5		111.5		137.0		73.5	
Total Depth (ft) After 5/21/2012			97.5		111.5		137.0		77.2	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-5L		R-6U		R-6L		R-7U	
11/9/2009	776.10		81.60	670.80	94.90	717.30	132.70	679.50	72.20	678.50
11/20/2009	775.40		81.70	670.70	95.00	717.20	132.70	679.50	72.20	678.50
11/28/2009	774.90	0.00	81.70	670.70	95.00	717.20	132.70	679.50	72.20	678.50
12/9/2009	774.60		81.70	670.70	95.40	716.80	133.00	679.20	72.20	678.50
12/18/2009	774.60		81.60	670.80	95.70	716.50	133.10	679.10	72.20	678.50
12/29/2009	774.30	3.56	81.60	670.80	95.90	716.30	133.20	679.00	72.20	678.50
1/9/2010	773.90		81.60	670.80	95.90	716.30	133.30	678.90	72.20	678.50
1/17/2010	773.60		81.60	670.80	95.90	716.30	133.30	678.90	72.20	678.50
1/28/2010	779.90	7.84	81.90	670.50	95.90	716.30	133.40	678.80	72.20	678.50
2/4/2010	780.15		82.00	670.40	95.90	716.30	132.40	679.80	72.20	678.50
2/12/2010	783.40		82.00	670.40	95.90	716.30	132.40	679.80	72.20	678.50
2/19/2010	784.00		82.00	670.40	95.90	716.30	132.40	679.80	72.20	678.50
2/26/2010	784.45	2.69	82.00	670.40	95.90	716.30	132.40	679.80	72.20	678.50
3/6/2010	785.60		81.80	670.60	95.70	716.50	132.90	679.30	72.10	678.60
3/15/2010	786.20		81.60	670.80	95.40	716.80	132.90	679.30	72.10	678.60
3/16/2010	786.30		81.60	670.80	95.40	716.80	132.90	679.30	72.10	678.60
3/24/2010	786.20	2.03	81.00	671.40	95.00	717.20	133.00	679.20	72.10	678.60
4/2/2010	785.80		81.20	671.20	94.70	717.50	133.20	679.00	72.10	678.60
4/4/2010	785.80		81.20	671.20	94.60	717.60	133.20	679.00	72.10	678.60
4/12/2010	787.40		81.30	671.10	94.40	717.80	133.20	679.00	72.10	678.60
4/20/2010	790.10		81.40	671.00	93.80	718.40	133.20	679.00	72.10	678.60
4/28/2010	792.60	1.19	81.40	671.00	93.40	718.80	133.20	679.00	72.10	678.60
5/6/2010	792.90		81.40	671.00	93.00	719.20	133.20	679.00	72.10	678.60
5/14/2010	792.40		81.50	670.90	92.40	719.80	133.00	679.20	72.10	678.60
5/21/2010	792.10		81.50	670.90	91.20	721.00	132.80	679.40	72.10	678.60
5/29/2010	791.70	0.00	81.60	670.80	91.10	721.10	132.20	680.00	72.10	678.60
6/8/2010	791.00		81.50	670.90	90.80	721.40	131.80	680.40	72.10	678.60

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-5 Lower		R-6 Upper		R-6 Lower		R-7 Upper	
Top Ref. Elev. (ft)			752.400		812.200		812.200		750.700	
Top Ref. Elev. (ft) After 5/21/2012			751.920		811.520		811.510		754.355	
Tip Elev. (ft)			654.420		700.020		674.510		677.200	
Total Depth (ft)			97.5		111.5		137.0		73.5	
Total Depth (ft) After 5/21/2012			97.5		111.5		137.0		77.2	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-5L		R-6U		R-6L		R-7U	
6/15/2010	790.60		81.50	670.90	90.50	721.70	131.70	680.50	72.10	678.60
6/22/2010	790.10		81.60	670.80	90.20	722.00	131.70	680.50	72.10	678.60
6/29/2010	789.70	0.00	81.60	670.80	89.60	722.60	131.70	680.50	72.10	678.60
7/8/2010	789.20		81.50	670.90	89.50	722.70	131.60	680.60	72.10	678.60
7/16/2010	788.70		81.60	670.80	89.50	722.70	131.60	680.60	72.10	678.60
7/23/2010	788.30		81.60	670.80	89.40	722.80	131.50	680.70	72.10	678.60
7/31/2010	787.70	0.00	81.60	670.80	89.40	722.80	131.50	680.70	72.10	678.60
8/7/2010	787.30		81.60	670.80	89.40	722.80	131.50	680.70	72.10	678.60
8/15/2010	786.70		81.60	670.80	89.50	722.70	131.40	680.80	72.10	678.60
8/23/2010	786.10		81.60	670.80	89.50	722.70	131.40	680.80	72.10	678.60
8/29/2010	785.60	0.00	81.60	670.80	89.50	722.70	131.40	680.80	72.10	678.60
9/8/2010	784.90		81.60	670.80	89.50	722.70	131.40	680.80	72.10	678.60
9/17/2010	784.20		81.60	670.80	89.50	722.70	131.40	680.80	72.10	678.60
9/27/2010	783.50	0.00	81.60	670.80	89.50	722.70	131.40	680.80	72.10	678.60
10/8/2010	782.80		81.60	670.80	89.80	722.40	131.50	680.70	72.10	678.60
10/18/2010	782.20		81.60	670.80	90.30	721.90	131.50	680.70	72.10	678.60
10/28/2010	782.00	1.76	81.60	670.80	90.60	721.60	131.70	680.50	72.10	678.60
11/4/2010	781.70		81.60	670.80	91.80	720.40	131.30	680.90	72.10	678.60
11/15/2010	781.10		81.60	670.80	91.50	720.70	131.10	681.10	72.10	678.60
11/26/2010	780.80	1.33	81.60	670.80	91.20	721.00	130.90	681.30	72.10	678.60
12/8/2010	780.50		81.60	670.80	91.20	721.00	130.70	681.50		
12/16/2010	780.40		81.60	670.80	91.00	721.20	130.70	681.50		
12/30/2010	792.60	11.72		752.40	90.40	721.80	132.20	680.00		
1/6/2011	792.20		81.60	670.80	90.40	721.80	131.50	680.70		
1/7/2011	792.20		81.60	670.80	90.40	721.80	131.60	680.60		
1/17/2011	792.00		31.10	721.30	88.10	724.10	129.60	682.60	72.10	678.60
1/27/2011	791.80	1.11	32.00	720.40	87.10	725.10	131.40	680.80	72.10	678.60

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-5 Lower		R-6 Upper		R-6 Lower		R-7 Upper	
Top Ref. Elev. (ft)			752.400		812.200		812.200		750.700	
Top Ref. Elev. (ft) After 5/21/2012			751.920		811.520		811.510		754.355	
Tip Elev. (ft)			654.420		700.020		674.510		677.200	
Total Depth (ft)			97.5		111.5		137.0		73.5	
Total Depth (ft) After 5/21/2012			97.5		111.5		137.0		77.2	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-5L		R-6U		R-6L		R-7U	
2/5/2011	791.80		33.50	718.90	86.90	725.30	131.00	681.20	72.10	678.60
2/15/2011	791.80		34.40	718.00	86.60	725.60	130.80	681.40	72.10	678.60
2/23/2011	792.20	2.87	34.80	717.60	86.40	725.80	130.60	681.60	72.10	678.60
3/8/2011	792.10		34.70	717.70	86.00	726.20	130.90	681.30	72.10	678.60
3/19/2011	791.80		34.70	717.70	85.80	726.40	131.20	681.00	72.10	678.60
3/30/2011	791.50	3.23	34.70	717.70	85.50	726.70	131.40	680.80	72.10	678.60
4/7/2011	792.10		34.70	717.70	85.40	726.80	131.00	681.20	72.10	678.60
4/16/2011	792.50		34.70	717.70	85.30	726.90	130.90	681.30	72.10	678.60
4/23/2011	792.60		34.80	717.60	85.20	727.00	130.60	681.60	72.10	678.60
4/30/2011	792.60	0.00	34.70	717.70	85.10	727.10	130.20	682.00	72.10	678.60
5/9/2011	792.40		35.10	717.30	84.80	727.40	130.60	681.60	72.10	678.60
5/16/2011	792.40		37.10	715.30	84.90	727.30	130.90	681.30	72.10	678.60
5/24/2011	792.40		36.10	716.30	84.90	727.30	131.00	681.20	72.10	678.60
5/31/2011	792.40	0.81	37.00	715.40	85.00	727.20	131.00	681.20	72.10	678.60
6/8/2011	792.10		37.00	715.40	85.00	727.20	131.00	681.20	72.10	678.60
6/16/2011	791.90		37.10	715.30	85.00	727.20	131.00	681.20	72.10	678.60
6/23/2011	791.80		37.10	715.30	85.00	727.20	130.40	681.80	72.10	678.60
6/30/2011	791.60	0.00	37.80	714.60	85.00	727.20	130.50	681.70	72.10	678.60
7/8/2011	791.40		37.80	714.60	85.00	727.20	130.50	681.70	72.10	678.60
7/14/2011	791.20		36.00	716.40	85.00	727.20	130.50	681.70	72.10	678.60
7/21/2011	790.90		34.90	717.50	85.00	727.20	130.50	681.70	72.10	678.60
7/30/2011	790.40	0.00	35.00	717.40	85.00	727.20	130.50	681.70	72.10	678.60
8/9/2011	789.90		35.00	717.40	86.10	726.10	130.40	681.80	72.10	678.60
8/15/2011	789.70		35.00	717.40	85.30	726.90	130.30	681.90	72.10	678.60
8/24/2011	789.00		35.00	717.40	87.70	724.50	130.20	682.00	72.10	678.60
9/1/2011	788.65	0.00	35.00	717.40	86.00	726.20	130.10	682.10	72.10	678.60
9/9/2011	787.90		35.00	717.40	87.20	725.00	130.30	681.90	72.10	678.60

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-5 Lower		R-6 Upper		R-6 Lower		R-7 Upper	
Top Ref. Elev. (ft)			752.400		812.200		812.200		750.700	
Top Ref. Elev. (ft) After 5/21/2012			751.920		811.520		811.510		754.355	
Tip Elev. (ft)			654.420		700.020		674.510		677.200	
Total Depth (ft)			97.5		111.5		137.0		73.5	
Total Depth (ft) After 5/21/2012			97.5		111.5		137.0		77.2	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-5L		R-6U		R-6L		R-7U	
9/16/2011	787.30		35.00	717.40	85.30	726.90	130.50	681.70	72.10	678.60
9/23/2011	787.00		35.00	717.40	85.00	727.20	130.70	681.50	72.10	678.60
9/29/2011	786.80	0.08	35.00	717.40	87.00	725.20	130.90	681.30	72.10	678.60
10/8/2011	786.60		36.00	716.40	87.60	724.60	130.70	681.50	72.10	678.60
10/15/2011	786.40		37.80	714.60	87.80	724.40	130.40	681.80	72.10	678.60
10/26/2011	786.00	1.29	38.60	713.80	88.20	724.00	130.30	681.90	72.10	678.60
11/5/2011	785.50		38.60	713.80	88.30	723.90	130.30	681.90	72.10	678.60
11/14/2011	785.40		38.60	713.80	88.30	723.90	130.30	681.90	72.10	678.60
11/22/2011	785.10		38.60	713.80	88.30	723.90	130.30	681.90	72.10	678.60
11/30/2011	785.10	1.79	38.60	713.80	88.30	723.90	130.30	681.90	72.10	678.60
12/9/2011	784.80		38.40	714.00	88.30	723.90	130.30	681.90	72.10	678.60
12/17/2011	784.60		38.00	714.40	88.50	723.70	130.60	681.60	72.10	678.60
12/22/2011	784.50		37.60	714.80	88.60	723.60	130.00	682.20	72.10	678.60
12/30/2011	784.30	0.45	37.40	715.00	89.20	723.00	131.20	681.00	72.10	678.60
1/7/2012	784.00		37.10	715.30	89.30	722.90	131.20	681.00	72.10	678.60
1/14/2012	783.80		37.40	715.00	89.40	722.80	131.20	681.00	72.10	678.60
1/21/2012	783.60		37.10	715.30	89.90	722.30	131.20	681.00	72.10	678.60
1/28/2012	783.60	1.72	36.70	715.70	89.80	722.40	131.20	681.00	72.10	678.60
2/7/2012	783.40		36.50	715.90	89.00	723.20	131.20	681.00	72.10	678.60
2/15/2012	783.40		36.40	716.00	90.00	722.20	131.20	681.00	72.10	678.60
2/25/2012	783.40	0.62	36.20	716.20	90.10	722.10	131.20	681.00	72.10	678.60
3/5/2012	783.20		36.20	716.20	90.20	722.00	131.20	681.00	72.10	678.60
3/15/2012	782.70		36.10	716.30	90.40	721.80	131.20	681.00	72.10	678.60
3/22/2012	782.60	2.01	36.20	716.20	90.80	721.40	131.20	681.00	72.10	678.60
4/3/2012	782.50		36.40	716.00	90.90	721.30	131.20	681.00	72.10	678.60
4/12/2012	782.10		36.40	716.00	90.90	721.30	131.20	681.00	72.10	678.60
4/21/2012	782.00		36.60	715.80	91.10	721.10	131.20	681.00	72.10	678.60

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-5 Lower		R-6 Upper		R-6 Lower		R-7 Upper	
Top Ref. Elev. (ft)			752.400		812.200		812.200		750.700	
Top Ref. Elev. (ft) After 5/21/2012			751.920		811.520		811.510		754.355	
Tip Elev. (ft)			654.420		700.020		674.510		677.200	
Total Depth (ft)			97.5		111.5		137.0		73.5	
Total Depth (ft) After 5/21/2012			97.5		111.5		137.0		77.2	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-5L		R-6U		R-6L		R-7U	
4/23/2012	781.90	1.32	36.60	715.80	91.10	721.10	131.20	681.00	72.10	678.60
5/1/2012	781.70		36.60	715.80	90.90	721.30	131.20	681.00	72.10	678.60
5/7/2012	781.30		36.60	715.80	91.00	721.20	131.20	681.00	72.10	678.60
5/21/2012	780.90		36.70	715.70	91.10	721.10	131.20	681.00	72.10	678.60
5/25/2012	780.00	0.06	37.30	714.62	91.30	720.22	131.20	680.31	75.30	679.06
6/4/2012	779.60		36.70	715.22	91.00	720.52	131.20	680.31	72.10	682.26
6/13/2012	778.70		37.30	714.62	91.10	720.42	131.20	680.31	72.10	682.26
6/20/2012	778.00		37.70	714.22	91.90	719.62	131.30	680.21	75.30	679.06
6/25/2012	777.30	0.00	37.60	714.32	92.10	719.42	131.30	680.21	75.30	679.06
7/4/2012	776.30		37.80	714.12	92.40	719.12	131.30	680.21	75.20	679.16
7/13/2012	775.70		37.80	714.12	92.60	718.92	131.20	680.31	75.20	679.16
7/20/2012	775.20		38.00	713.92	92.90	718.62	131.40	680.11	75.20	679.16
7/30/2012	775.00	0.10	38.10	713.82	93.10	718.42	131.50	680.01	75.20	679.16
8/8/2012	773.00		38.10	713.82	93.10	718.42	131.70	679.81	75.20	679.16
8/9/2012	772.90		38.10	713.82	93.10	718.42	131.70	679.81	75.20	679.16
8/18/2012	772.00		38.30	713.62	93.10	718.42	131.70	679.81	75.20	679.16
8/27/2012	771.10		38.50	713.42	93.10	718.42	131.70	679.81	75.30	679.06
8/29/2012	770.90	0.00	38.50	713.42	93.10	718.42	131.70	679.81	75.30	679.06
9/8/2012	769.80		38.90	713.02	93.10	718.42	131.00	680.51	75.30	679.06
9/15/2012	768.90		38.90	713.02	93.10	718.42	130.10	681.41	75.30	679.06
9/29/2012	767.80	0.00	39.00	712.92	93.10	718.42	132.50	679.01	75.30	679.06
10/11/2012	766.80		39.30	712.62	95.70	715.82	132.60	678.91	75.30	679.06
10/23/2012	765.90	1.10	39.30	712.62	95.70	715.82	132.60	678.91	75.30	679.06
11/12/2012	764.60		39.80	712.12	95.70	715.82	132.50	679.01	75.20	679.16
11/23/2012	764.30	0.16	39.80	712.12	95.70	715.82	132.20	679.31	75.20	679.16
12/12/2012	764.50	2.46	39.80	712.12	95.70	715.82	132.60	678.91	75.20	679.16
12/27/2012	769.10		40.00	711.92	95.80	715.72	132.60	678.91	75.20	679.16

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-5 Lower		R-6 Upper		R-6 Lower		R-7 Upper	
Top Ref. Elev. (ft)			752.400		812.200		812.200		750.700	
Top Ref. Elev. (ft) After 5/21/2012			751.920		811.520		811.510		754.355	
Tip Elev. (ft)			654.420		700.020		674.510		677.200	
Total Depth (ft)			97.5		111.5		137.0		73.5	
Total Depth (ft) After 5/21/2012			97.5		111.5		137.0		77.2	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-5L		R-6U		R-6L		R-7U	
1/16/2013	770.40		40.30	711.62	95.80	715.72	132.50	679.01	75.10	679.26
1/28/2013	769.90	1.82	40.40	711.52	95.80	715.72	132.50	679.01	75.10	679.26
2/15/2013	769.60		40.60	711.32	95.60	715.92	132.50	679.01	75.10	679.26
2/26/2013	769.40	0.68	40.70	711.22	95.60	715.92	135.10	676.41	75.40	678.96
3/13/2013	768.80		40.90	711.02	95.80	715.72	132.40	679.11	75.10	679.26
3/26/2013	768.60	0.66	41.30	710.62	95.80	715.72	132.40	679.11	75.10	679.26
4/10/2013	771.10		41.60	710.32	95.80	715.72	132.40	679.11	75.10	679.26
4/30/2013	772.20	0.00	41.60	710.32	95.80	715.72	132.40	679.11	75.10	679.26
5/9/2013	771.90		42.00	709.92	95.90	715.62	132.00	679.51	75.60	678.76
5/15/2013	771.70		42.00	709.92	95.90	715.62	132.00	679.51	75.60	678.76
5/22/2013	771.40		42.00	709.92	95.90	715.62	132.00	679.51	75.60	678.76
5/30/2013	771.00	0.00	42.00	709.92	95.90	715.62	132.00	679.51	75.90	678.46
6/6/2013	770.80		42.20	709.72	96.00	715.52	129.90	681.61	75.50	678.86
6/13/2013	769.30		42.20	709.72	96.00	715.52	129.90	681.61	75.50	678.86
6/20/2013	769.00		42.40	709.52	96.00	715.52	132.40	679.11	75.50	678.86
6/26/2013	768.60	0.00	42.10	709.82	96.00	715.52	132.40	679.11	75.50	678.86
7/2/2013	767.80		42.70	709.22	96.00	715.52	129.90	681.61	75.50	678.86
7/10/2013	766.90		42.70	709.22	96.00	715.52	129.90	681.61	75.60	678.76
7/16/2013	766.50		42.70	709.22	95.90	715.62	129.80	681.71	75.80	678.56
7/29/2013	765.20	0.00	42.70	709.22	95.90	715.62	129.80	681.71	75.80	678.56
8/5/2013	764.50		42.70	709.22	96.00	715.52	129.90	681.61	75.50	678.86
8/12/2013	763.80		42.70	709.22	95.80	715.72	129.90	681.61	75.50	678.86
8/19/2013	763.30		42.90	709.02	95.80	715.72	131.80	679.71	75.50	678.86
8/26/2013	762.40	0.00	42.90	709.02	95.80	715.72	130.40	681.11	75.50	678.86
9/2/2013	761.50		42.70	709.22	96.00	715.52	129.90	681.61	75.50	678.86
9/10/2013	760.70		43.20	708.72	96.00	715.52	129.90	681.61	75.50	678.86
9/17/2013	759.90		42.80	709.12	96.00	715.52	129.90	681.61	75.50	678.86

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-5 Lower		R-6 Upper		R-6 Lower		R-7 Upper	
Top Ref. Elev. (ft)			752.400		812.200		812.200		750.700	
Top Ref. Elev. (ft) After 5/21/2012			751.920		811.520		811.510		754.355	
Tip Elev. (ft)			654.420		700.020		674.510		677.200	
Total Depth (ft)			97.5		111.5		137.0		73.5	
Total Depth (ft) After 5/21/2012			97.5		111.5		137.0		77.2	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-5L		R-6U		R-6L		R-7U	
9/23/2013	759.40		39.30	712.62	96.00	715.52	129.90	681.61	75.50	678.86
9/30/2013	758.70	0.00	39.30	712.62	96.00	715.52	129.90	681.61	75.50	678.86
10/7/2013	758.30		39.50	712.42	95.90	715.62	130.00	681.51	75.50	678.86
10/14/2013	757.60		39.50	712.42	95.90	715.62	133.20	678.31	75.50	678.86
10/21/2013	756.60		39.50	712.42	95.90	715.62	133.00	678.51	75.50	678.86
10/28/2013	756.00	0.00	39.70	712.22	95.90	715.62	133.00	678.51	75.50	678.86
11/4/2013	755.70		39.80	712.12	95.90	715.62	132.90	678.61	75.50	678.86
11/11/2013	756.10		39.80	712.12	95.90	715.62	132.90	678.61	75.50	678.86
11/18/2013	755.70		39.90	712.02	96.00	715.52	132.80	678.71	75.50	678.86
11/25/2013	755.40	0.55	39.90	712.02	96.00	715.52	132.80	678.71	75.50	678.86
12/2/2013	755.30		40.00	711.92	95.90	715.62	132.80	678.71	75.50	678.86
12/10/2013	755.40		40.20	711.72	96.00	715.52	132.60	678.91	75.50	678.86
12/16/2013	755.20		40.20	711.72	96.00	715.52	132.60	678.91	75.50	678.86
12/23/2013	755.20		40.30	711.62	96.00	715.52	132.60	678.91	75.50	678.86
12/30/2013	754.80	0.83	40.40	711.52	96.00	715.52	133.00	678.51	75.50	678.86
1/6/2014	754.50		40.50	711.42	96.00	715.52	133.30	678.21	75.50	678.86
1/13/2014	755.00		40.50	711.42	96.10	715.42	133.30	678.21	75.50	678.86
1/20/2014	754.60		40.60	711.32	96.10	715.42	132.90	678.61	75.50	678.86
1/27/2014	754.30	0.00	40.70	711.22	96.10	715.42	132.90	678.61	75.50	678.86
2/3/2014	754.10		40.50	711.42	96.00	715.52	132.70	678.81	75.50	678.86
2/10/2014	754.70		40.80	711.12	96.00	715.52	132.60	678.91	75.50	678.86
2/17/2014	754.50		40.80	711.12	96.00	715.52	132.60	678.91	75.50	678.86
2/24/2014	754.20	0.83	40.80	711.12	96.00	715.52	132.60	678.91	75.50	678.86
3/3/2014	754.50		40.80	711.12	96.00	715.52	132.60	678.91	75.50	678.86
3/10/2014	755.20		40.80	711.12	96.00	715.52	132.60	678.91	75.50	678.86
3/19/2014	755.90		41.20	710.72	96.00	715.52	132.60	678.91	75.50	678.86
3/25/2014	758.80		41.20	710.72	96.00	715.52	132.60	678.91	75.50	678.86

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-5 Lower		R-6 Upper		R-6 Lower		R-7 Upper	
Top Ref. Elev. (ft)			752.400		812.200		812.200		750.700	
Top Ref. Elev. (ft) After 5/21/2012			751.920		811.520		811.510		754.355	
Tip Elev. (ft)			654.420		700.020		674.510		677.200	
Total Depth (ft)			97.5		111.5		137.0		73.5	
Total Depth (ft) After 5/21/2012			97.5		111.5		137.0		77.2	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-5L		R-6U		R-6L		R-7U	
3/29/2014	760.50		41.20	710.72	96.00	715.52	132.60	678.91	75.50	678.86
3/31/2014	761.60	1.85	41.20	710.72	96.00	715.52	132.60	678.91	75.50	678.86
4/1/2014	762.00		41.40	710.52	96.00	715.52	132.30	679.21	75.50	678.86
4/8/2014	764.70		41.40	710.52	96.00	715.52	132.30	679.21	75.50	678.86
4/15/2014	766.60		41.40	710.52	96.00	715.52	132.30	679.21	75.50	678.86
4/22/2014	768.60		41.40	710.52	96.00	715.52	132.30	679.21	75.50	678.86
4/29/2014	770.40	0.88	41.40	710.52	96.00	715.52	132.30	679.21	75.50	678.86
5/5/2014	769.70		41.60	710.32	96.00	715.52	132.60	678.91	75.50	678.86
5/12/2014	769.00		41.60	710.32	96.00	715.52	132.60	678.91	75.50	678.86
5/19/2014	768.00		41.60	710.32	96.00	715.52	132.60	678.91	75.50	678.86
5/26/2014	767.10	0.00	41.60	710.32	96.00	715.52	132.60	678.91	75.50	678.86
6/2/2014	766.20		41.90	710.02	96.00	715.52	132.60	678.91	75.50	678.86
6/9/2014	765.40		41.90	710.02	96.00	715.52	132.60	678.91	75.50	678.86
6/16/2014	764.30		42.00	709.92	96.10	715.42	132.60	678.91	75.50	678.86
6/23/2014	763.10		42.00	709.92	96.10	715.42	132.60	678.91	75.50	678.86
6/27/2014	762.30	0.00	42.00	709.92	96.10	715.42	132.60	678.91	75.50	678.86
7/7/2014	760.90		42.20	709.72	96.30	715.22	132.60	678.91	75.50	678.86
7/14/2014	760.00		42.20	709.72	96.30	715.22	132.60	678.91	75.50	678.86
7/21/2014	759.10		42.30	709.62	96.50	715.02	132.60	678.91	75.50	678.86
7/28/2014	757.90	0.06	42.30	709.62	96.50	715.02	132.60	678.91	75.50	678.86
8/4/2014	756.80		42.40	709.52	96.70	714.82	132.60	678.91	75.50	678.86
8/11/2014	755.60		42.40	709.52	96.70	714.82	132.60	678.91	75.50	678.86
8/18/2014	754.70		42.60	709.32	96.40	715.12	132.70	678.81	75.50	678.86
8/25/2014	753.30	0.05	42.60	709.32	96.40	715.12	132.70	678.81	75.50	678.86
9/2/2014	751.60		42.80	709.12	96.50	715.02	132.70	678.81	75.50	678.86
9/8/2014	750.50		42.80	709.12	96.50	715.02	132.70	678.81	75.50	678.86
9/15/2014	749.40		42.80	709.12	96.50	715.02	132.70	678.81	75.50	678.86

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-5 Lower		R-6 Upper		R-6 Lower		R-7 Upper	
Top Ref. Elev. (ft)			752.400		812.200		812.200		750.700	
Top Ref. Elev. (ft) After 5/21/2012			751.920		811.520		811.510		754.355	
Tip Elev. (ft)			654.420		700.020		674.510		677.200	
Total Depth (ft)			97.5		111.5		137.0		73.5	
Total Depth (ft) After 5/21/2012			97.5		111.5		137.0		77.2	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-5L		R-6U		R-6L		R-7U	
9/22/2014	748.30		42.80	709.12	96.50	715.02	132.70	678.81	75.50	678.86
9/29/2014	747.20	0.00	42.90	709.02	96.50	715.02	132.70	678.81	75.50	678.86
10/6/2014	745.70		43.10	708.82	96.50	715.02	132.70	678.81	75.50	678.86
10/13/2014	746.70		43.10	708.82	97.70	713.82	133.10	678.41	75.50	678.86
10/20/2014	746.60		43.10	708.82	97.80	713.72	133.10	678.41	75.50	678.86
10/27/2014	745.80	0.00	43.10	708.82	98.00	713.52	133.10	678.41	75.50	678.86
11/3/2014	746.40		43.10	708.82	98.00	713.52	133.20	678.31	75.50	678.86
11/10/2014	747.20		43.10	708.82	98.00	713.52	133.20	678.31	75.50	678.86
11/17/2014	747.70		43.30	708.62	98.10	713.42	133.30	678.21	75.50	678.86
11/24/2014	748.80	0.61	43.30	708.62	98.10	713.42	133.30	678.21	75.50	678.86
12/1/2014	748.30		43.60	708.32	98.50	713.02	133.20	678.31	75.50	678.86
12/8/2014	749.10		43.70	708.22	98.50	713.02	133.20	678.31	75.50	678.86
12/15/2014	749.80		43.70	708.22	99.60	711.92	133.30	678.21	75.50	678.86
12/29/2014	750.90	5.37	43.90	708.02	100.80	710.72	133.30	678.21	75.50	678.86
1/5/2015	751.30		43.90	708.02	100.80	710.72	133.30	678.21	75.50	678.86
1/12/2015	751.80		43.90	708.02	99.90	711.62	133.10	678.41	75.50	678.86
1/19/2015	752.30		43.90	708.02	99.90	711.62	133.10	678.41	75.50	678.86
1/26/2015	752.60	1.48	44.10	707.82	99.90	711.62	133.10	678.41	75.50	678.86
2/4/2015	753.10		43.90	708.02	100.80	710.72	133.30	678.21	75.50	678.86
2/9/2015	753.30		44.20	707.72	100.80	710.72	133.30	678.21	75.50	678.86
2/16/2015	753.80		44.30	707.62	100.80	710.72	133.40	678.11	75.50	678.86
2/23/2015	753.90	0.44	44.30	707.62	100.80	710.72	133.40	678.11	75.50	678.86
3/2/2015	754.50		44.40	707.52	100.90	710.62	133.40	678.11	75.50	678.86
3/9/2015	755.00		44.40	707.52	100.90	710.62	133.40	678.11	75.50	678.86
3/16/2015	755.30		44.60	707.32	101.40	710.12	133.40	678.11	75.50	678.86
3/23/2015	755.50		44.60	707.32	101.40	710.12	133.40	678.11	75.50	678.86
3/30/2015	755.70	0.57	44.60	707.32	101.80	709.72	133.70	677.81	75.50	678.86

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-5 Lower		R-6 Upper		R-6 Lower		R-7 Upper	
Top Ref. Elev. (ft)			752.400		812.200		812.200		750.700	
Top Ref. Elev. (ft) After 5/21/2012			751.920		811.520		811.510		754.355	
Tip Elev. (ft)			654.420		700.020		674.510		677.200	
Total Depth (ft)			97.5		111.5		137.0		73.5	
Total Depth (ft) After 5/21/2012			97.5		111.5		137.0		77.2	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-5L		R-6U		R-6L		R-7U	
4/6/2015	755.60		44.60	707.32	101.80	709.72	133.70	677.81	75.50	678.86
4/13/2015	755.80		44.80	707.12	102.30	709.22	133.70	677.81	75.50	678.86
4/20/2015	755.90		44.90	707.02	102.00	709.52	133.70	677.81	75.50	678.86
4/27/2015	755.90	0.20	44.90	707.02	102.00	709.52	133.70	677.81	75.50	678.86
5/4/2015	755.60		44.90	707.02	102.70	708.82	133.70	677.81	75.50	678.86
5/11/2015	755.30		44.90	707.02	102.70	708.82	133.70	677.81	75.50	678.86
5/18/2015	755.20		45.10	706.82	103.20	708.32	133.70	677.81	75.50	678.86
5/26/2015	755.30	0.95	45.10	706.82	103.20	708.32	133.70	677.81	75.50	678.86
6/1/2015	755.20		45.30	706.62	103.70	707.82	134.10	677.41	75.50	678.86
6/8/2015	755.10		45.30	706.62	103.70	707.82	134.10	677.41	75.50	678.86
6/15/2015	755.20		45.40	706.52	104.40	707.12	134.10	677.41	75.50	678.86
6/22/2015	754.80		45.40	706.52	104.40	707.12	134.10	677.41	75.50	678.86
6/29/2015	754.20	0.00	45.40	706.52	104.40	707.12	134.10	677.41	75.50	678.86
7/10/2015	753.30		37.00	714.92	105.20	706.32	134.00	677.51	75.50	678.86
7/15/2015	753.00		37.10	714.82	105.40	706.12	134.00	677.51	75.50	678.86
7/21/2015	752.80		37.20	714.72	105.30	706.22	134.20	677.31	75.50	678.86
7/28/2015	752.40	0.00	37.20	714.72	105.30	706.22	134.50	677.01	75.50	678.86
8/4/2015	752.00		37.20	714.72	105.30	706.22	134.50	677.01	75.50	678.86
8/11/2015	751.60		37.30	714.62	105.60	705.92	134.70	676.81	75.50	678.86
8/18/2015	751.10		37.30	714.62	105.60	705.92	134.70	676.81	75.50	678.86
8/25/2015	750.60	0.00	37.40	714.52	105.70	705.82	134.80	676.71	75.50	678.86
9/1/2015	749.90		37.40	714.52	105.70	705.82	134.80	676.71	75.50	678.86
9/8/2015	749.00		37.40	714.52	105.70	705.82	134.80	676.71	75.50	678.86
9/15/2015	748.70		37.40	714.52	105.70	705.82	134.80	676.71	75.50	678.86
9/22/2015	748.40		37.40	714.52	106.50	705.02	134.80	676.71	75.50	678.86
9/29/2015	748.00	2.27	37.40	714.52	107.20	704.32	134.80	676.71	75.50	678.86
10/6/2015	747.60		37.50	714.42	107.20	704.32	134.80	676.71	75.50	678.86

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-5 Lower		R-6 Upper		R-6 Lower		R-7 Upper	
Top Ref. Elev. (ft)			752.400		812.200		812.200		750.700	
Top Ref. Elev. (ft) After 5/21/2012			751.920		811.520		811.510		754.355	
Tip Elev. (ft)			654.420		700.020		674.510		677.200	
Total Depth (ft)			97.5		111.5		137.0		73.5	
Total Depth (ft) After 5/21/2012			97.5		111.5		137.0		77.2	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-5L		R-6U		R-6L		R-7U	
10/13/2015	747.10		38.00	713.92	107.50	704.02	134.80	676.71	75.50	678.86
10/20/2015	746.70		38.00	713.92	107.50	704.02	134.80	676.71	75.50	678.86
10/27/2015	746.00	0.56	38.00	713.92	107.50	704.02	134.80	676.71	75.50	678.86
11/4/2015	745.70		38.10	713.82	107.50	704.02	134.80	676.71	75.50	678.86
11/11/2015	745.20		38.10	713.82	107.50	704.02	134.80	676.71	75.50	678.86
11/18/2015	744.80		38.20	713.72	107.50	704.02	134.80	676.71	75.50	678.86
11/25/2015	744.20	0.12	38.20	713.72	107.50	704.02	134.80	676.71	75.50	678.86
12/1/2015	743.70		38.30	713.62	110.40	701.12	135.00	676.51	75.50	678.86
12/8/2015	743.10		38.50	713.42	110.50	701.02	135.10	676.41	75.50	678.86
12/15/2015	742.70		38.60	713.32	111.20	700.32	135.20	676.31	75.50	678.86
12/22/2015	742.30		38.50	713.42	111.20	700.32	135.20	676.31	75.50	678.86
12/29/2015	742.10	1.29	38.60	713.32	110.60	700.92	135.20	676.31	75.50	678.86
1/5/2016	741.70		38.70	713.22	111.50	700.02	135.40	676.11	77.50	676.86
1/12/2016	742.30		38.70	713.22	111.50	700.02	135.40	676.11	77.50	676.86
1/19/2016	742.00		38.80	713.12	111.50	700.02	135.40	676.11	77.50	676.86
1/26/2016	741.80	3.51	39.00	712.92	111.60	699.92	135.40	676.11	77.50	676.86
2/2/2016	741.40		39.00	712.92	111.60	699.92	135.40	676.11	77.50	676.86
2/9/2016	741.00		39.10	712.82	111.20	700.32	135.40	676.11	77.50	676.86
2/16/2016	740.50		39.20	712.72	111.30	700.22	135.40	676.11	77.50	676.86
2/23/2016	740.20	0.35	39.30	712.62	111.30	700.22	135.40	676.11	77.50	676.86
3/1/2016	739.70		39.30	712.62	111.30	700.22	135.40	676.11	77.50	676.86
3/9/2016	739.40		39.40	712.52	110.90	700.62	135.40	676.11	77.50	676.86
3/17/2016	739.30		39.40	712.52	111.00	700.52	135.40	676.11	77.50	676.86
3/23/2016	739.10		39.50	712.42	111.00	700.52	135.40	676.11	77.50	676.86
3/30/2016	738.50	1.59	39.60	712.32	111.00	700.52	135.40	676.11	77.50	676.86
4/6/2016	738.00		39.60	712.32	111.30	700.22	135.40	676.11	77.50	676.86
4/13/2016	737.60		39.80	712.12	111.50	700.02	135.40	676.11	77.50	676.86

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-5 Lower		R-6 Upper		R-6 Lower		R-7 Upper	
Top Ref. Elev. (ft)			752.400		812.200		812.200		750.700	
Top Ref. Elev. (ft) After 5/21/2012			751.920		811.520		811.510		754.355	
Tip Elev. (ft)			654.420		700.020		674.510		677.200	
Total Depth (ft)			97.5		111.5		137.0		73.5	
Total Depth (ft) After 5/21/2012			97.5		111.5		137.0		77.2	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-5L		R-6U		R-6L		R-7U	
4/20/2016	736.90		39.70	712.22	111.40	700.12	135.40	676.11	77.50	676.86
4/27/2016	736.20	0.07	39.70	712.22	111.40	700.12	135.40	676.11	77.50	676.86
5/4/2016	736.90		39.60	712.32	111.30	700.22	135.40	676.11	77.50	676.86
5/11/2016	737.50		39.80	712.12	111.60	699.92	135.40	676.11	77.50	676.86
5/18/2016	737.00		40.00	711.92	112.20	699.32	135.40	676.11	77.50	676.86
5/25/2016	737.60	1.21	40.20	711.72	112.60	698.92	135.40	676.11	77.50	676.86
6/1/2016	737.60		40.20	711.72	112.60	698.92	135.40	676.11	75.50	678.86
6/8/2016	737.90		40.20	711.72	112.60	698.92	135.40	676.11	75.50	678.86
6/15/2016	738.00		40.20	711.72	112.60	698.92	135.40	676.11	75.50	678.86
6/23/2016	737.70		40.20	711.72	112.60	698.92	135.50	676.01	75.50	678.86
6/29/2016	737.50	0.00	40.20	711.72	112.60	698.92	135.50	676.01	75.50	678.86
7/6/2016	737.40		40.40	711.52	112.60	698.92	135.50	676.01	75.50	678.86
7/15/2016	737.40		40.60	711.32	112.60	698.92	135.50	676.01	75.50	678.86
7/20/2016	737.10		40.80	711.12	112.60	698.92	135.60	675.91	75.50	678.86
7/27/2016	736.70	0.00	40.80	711.12	112.60	698.92	135.60	675.91	75.50	678.86
8/3/2016	736.90		41.00	710.92	112.60	698.92	135.60	675.91	75.50	678.86
8/10/2016	737.10		40.90	711.02	112.60	698.92	135.60	675.91	75.50	678.86
8/17/2016	736.60		41.10	710.82	112.60	698.92	135.60	675.91	75.50	678.86
8/24/2016	736.70		41.10	710.82	112.60	698.92	135.60	675.91	75.50	678.86
8/30/2016	736.70	0.00	41.10	710.82	112.60	698.92	135.60	675.91	75.50	678.86
9/7/2016	737.30		41.10	710.82	112.60	698.92	135.60	675.91	75.50	678.86
9/14/2016	737.90		41.80	710.12	112.60	698.92	135.60	675.91	75.50	678.86
9/21/2016	738.80		42.40	709.52	112.60	698.92	135.60	675.91	75.50	678.86
9/28/2016	739.60	0.00	42.60	709.32	112.60	698.92	135.60	675.91	75.50	678.86
10/5/2016	739.50		42.60	709.32	112.60	698.92	135.60	675.91	75.50	678.86
10/12/2016	739.20		42.90	709.02	112.60	698.92	135.60	675.91	75.50	678.86
10/19/2016	739.30		43.30	708.62	112.60	698.92	135.60	675.91	75.50	678.86

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-5 Lower		R-6 Upper		R-6 Lower		R-7 Upper	
Top Ref. Elev. (ft)			752.400		812.200		812.200		750.700	
Top Ref. Elev. (ft) After 5/21/2012			751.920		811.520		811.510		754.355	
Tip Elev. (ft)			654.420		700.020		674.510		677.200	
Total Depth (ft)			97.5		111.5		137.0		73.5	
Total Depth (ft) After 5/21/2012			97.5		111.5		137.0		77.2	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-5L		R-6U		R-6L		R-7U	
10/26/2016	740.00	0.89	43.20	708.72	112.60	698.92	135.60	675.91	75.50	678.86
11/2/2016	741.80		43.20	708.72	112.60	698.92	135.60	675.91	75.50	678.86
11/9/2016	741.80		43.20	708.72	112.60	698.92	135.60	675.91	75.50	678.86
11/16/2016	744.00		43.20	708.72	112.60	698.92	135.70	675.81	75.50	678.86
11/23/2016	747.60		43.20	708.72	112.60	698.92	135.70	675.81	75.50	678.86
11/29/2016	750.90	1.62	43.20	708.72	112.60	698.92	135.70	675.81	75.50	678.86
12/7/2016	753.40		43.20	708.72	112.60	698.92	135.70	675.81	75.50	678.86
12/14/2016	753.70		44.70	707.22	112.60	698.92	135.70	675.81	75.50	678.86
12/21/2016	755.60		45.10	706.82	112.60	698.92	135.70	675.81	75.50	678.86
12/28/2016	757.00	4.37	45.70	706.22	112.60	698.92	135.70	675.81	75.50	678.86
1/4/2017	757.50		45.70	706.22	112.60	698.92	135.70	675.81	75.50	678.86
1/13/2017	758.10		46.30	705.62	112.60	698.92	135.70	675.81	75.50	678.86
1/18/2017	758.30		46.50	705.42	112.60	698.92	135.70	675.81	75.50	678.86
1/25/2017	758.00	6.73	46.70	705.22	112.60	698.92	135.70	675.81	75.50	678.86
2/1/2017	769.10		46.70	705.22	112.60	698.92	135.70	675.81	75.50	678.86
2/8/2017	769.70		47.00	704.92	112.60	698.92	135.80	675.71	75.50	678.86
2/15/2017	770.10		46.80	705.12	112.60	698.92	135.70	675.81	75.50	678.86
2/22/2017	771.80	4.17	46.70	705.22	112.60	698.92	135.70	675.81	75.50	678.86
3/1/2017	771.90		46.70	705.22	112.60	698.92	135.70	675.81	75.50	678.86
3/8/2017	771.20		46.70	705.22	112.60	698.92	135.80	675.71	75.50	678.86
3/15/2017	770.60		47.60	704.32	112.30	699.22	135.90	675.61	75.50	678.86
3/22/2017	769.60		48.50	703.42	112.60	698.92	135.90	675.61	75.50	678.86
3/29/2017	768.40	0.13	48.70	703.22	112.60	698.92	135.90	675.61	75.50	678.86
4/5/2017	769.10		48.70	703.22	112.60	698.92	135.90	675.61	75.50	678.86
4/12/2017	768.00		48.80	703.12	111.90	699.62	135.90	675.61	75.50	678.86
4/19/2017	767.90		49.30	702.62	111.80	699.72	135.90	675.61	75.50	678.86
4/26/2017	767.70	0.07	49.30	702.62	111.90	699.62	135.90	675.61	75.50	678.86

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-5 Lower		R-6 Upper		R-6 Lower		R-7 Upper	
Top Ref. Elev. (ft)			752.400		812.200		812.200		750.700	
Top Ref. Elev. (ft) After 5/21/2012			751.920		811.520		811.510		754.355	
Tip Elev. (ft)			654.420		700.020		674.510		677.200	
Total Depth (ft)			97.5		111.5		137.0		73.5	
Total Depth (ft) After 5/21/2012			97.5		111.5		137.0		77.2	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-5L		R-6U		R-6L		R-7U	
5/1/2017	767.40		49.30	702.62	111.90	699.62	135.90	675.61	75.50	678.86
5/10/2017	766.50		49.60	702.32	111.60	699.92	135.60	675.91	75.50	678.86
5/17/2017	765.90		50.00	701.92	111.50	700.02	135.60	675.91	75.50	678.86
5/24/2017	765.70		50.00	701.92	111.50	700.02	135.60	675.91	75.50	678.86
5/30/2017	765.50	0.36	49.90	702.02	111.50	700.02	135.60	675.91	75.50	678.86
6/7/2017	765.30		50.20	701.72	111.50	700.02	135.60	675.91	75.50	678.86
6/14/2017	765.10		50.40	701.52	111.40	700.12	135.60	675.91	75.50	678.86
6/21/2017	764.80		50.70	701.22	111.40	700.12	135.70	675.81	75.50	678.86
6/28/2017	764.70	0.05	50.70	701.22	111.10	700.42	135.70	675.81	75.50	678.86
7/5/2017	764.20		51.50	700.42	111.10	700.42	135.70	675.81	75.50	678.86
7/12/2017	763.80		51.70	700.22	111.30	700.22	135.70	675.81	75.50	678.86
7/19/2017	763.20		51.80	700.12	111.30	700.22	135.70	675.81	75.50	678.86
7/26/2017	762.70	0.00	51.80	700.12	111.20	700.32	135.70	675.81	75.50	678.86
8/2/2017	761.90		51.80	700.12	111.20	700.32	135.70	675.81	75.50	678.86
8/9/2017	761.60		51.80	700.12	111.20	700.32	135.70	675.81	75.50	678.86
8/16/2017	761.20		52.20	699.72	111.20	700.32	135.70	675.81	75.50	678.86
8/23/2017	760.60		52.30	699.62	111.20	700.32	135.70	675.81	75.50	678.86
8/30/2017	759.80	0.05	52.30	699.62	111.20	700.32	135.70	675.81	75.50	678.86
9/6/2017	758.90		52.50	699.42	111.20	700.32	135.70	675.81	75.50	678.86
9/13/2017	758.70		52.90	699.02	111.10	700.42	135.60	675.91	75.50	678.86
9/20/2017	758.30		53.10	698.82	111.20	700.32	135.70	675.81	75.50	678.86
9/27/2017	757.80	0.00	53.20	698.72	111.20	700.32	135.70	675.81	75.50	678.86
10/4/2017	757.60		53.40	698.52	111.20	700.32	135.70	675.81	75.50	678.86
10/10/2017	757.10		53.40	698.52	111.10	700.42	135.80	675.71	75.50	678.86
10/18/2017	756.90		53.60	698.32	111.00	700.52	135.80	675.71	75.50	678.86
10/25/2017	756.60	0.00	53.70	698.22	111.00	700.52	135.80	675.71	75.50	678.86
11/1/2017	755.70		53.80	698.12	111.00	700.52	135.80	675.71	75.50	678.86

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-5 Lower		R-6 Upper		R-6 Lower		R-7 Upper	
Top Ref. Elev. (ft)			752.400		812.200		812.200		750.700	
Top Ref. Elev. (ft) After 5/21/2012			751.920		811.520		811.510		754.355	
Tip Elev. (ft)			654.420		700.020		674.510		677.200	
Total Depth (ft)			97.5		111.5		137.0		73.5	
Total Depth (ft) After 5/21/2012			97.5		111.5		137.0		77.2	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-5L		R-6U		R-6L		R-7U	
11/8/2017	755.30		54.00	697.92	111.00	700.52	135.60	675.91	75.50	678.86
11/15/2017	755.10	0.29	54.30	697.62	111.00	700.52	135.80	675.71	75.50	678.86
12/6/2017	754.20		54.40	697.52	111.00	700.52	135.80	675.71	75.50	678.86
12/13/2017	753.90		54.70	697.22	111.00	700.52	135.80	675.71	75.50	678.86
12/20/2017	753.60		54.90	697.02	111.00	700.52	135.80	675.71	75.50	678.86
12/27/2017	753.30	0.00	55.00	696.92	111.00	700.52	135.80	675.71	75.50	678.86
1/3/2018	753.10		55.00	696.92	111.00	700.52	135.80	675.71	75.50	678.86
1/10/2018	753.10		53.90	698.02	111.00	700.52	135.80	675.71	75.50	678.86
1/17/2018	753.00		51.10	700.82	111.00	700.52	135.80	675.71	75.50	678.86
1/24/2018	752.80		50.50	701.42	111.00	700.52	135.80	675.71	75.50	678.86
1/30/2018	752.60	1.79	49.50	702.42	111.00	700.52	135.80	675.71	75.50	678.86
2/7/2018	752.30		49.50	702.42	111.00	700.52	135.80	675.71	75.50	678.86
2/14/2018	751.80		50.20	701.72	111.00	700.52	135.80	675.71	74.30	680.06
2/21/2018	750.20		50.20	701.72	111.00	700.52	135.80	675.71	75.40	678.96
2/27/2018	750.30	0.60	50.40	701.52	111.00	700.52	135.80	675.71	75.40	678.96
3/7/2018	750.20		50.40	701.52	111.00	700.52	135.80	675.71	75.40	678.96
3/15/2018	750.10		50.60	701.32	111.00	700.52	135.80	675.71	77.50	676.86
3/21/2018	750.80		50.80	701.12	111.00	700.52	135.80	675.71	77.50	676.86
3/28/2018	750.90	0.56	50.90	701.02	111.10	700.42	135.80	675.71	77.50	676.86
4/4/2018	751.70		50.90	701.02	111.20	700.32	135.80	675.71	77.50	676.86
4/11/2018	751.70		51.10	700.82	111.40	700.12	135.80	675.71	77.50	676.86
4/18/2018	750.80		51.30	700.62	111.30	700.22	135.80	675.71	77.50	676.86
4/25/2018	749.50	0.05	51.40	700.52	111.40	700.12	135.80	675.71	77.50	676.86
5/1/2018	750.50		51.40	700.52	111.40	700.12	135.80	675.71	77.50	676.86
5/8/2018	749.40		51.50	700.42	111.40	700.12	135.80	675.71	77.50	676.86
5/15/2018	748.30		51.60	700.32	111.30	700.22	135.80	675.71	77.50	676.86
5/22/2018	747.00		51.70	700.22	111.30	700.22	135.80	675.71	77.50	676.86

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-5 Lower		R-6 Upper		R-6 Lower		R-7 Upper	
Top Ref. Elev. (ft)			752.400		812.200		812.200		750.700	
Top Ref. Elev. (ft) After 5/21/2012			751.920		811.520		811.510		754.355	
Tip Elev. (ft)			654.420		700.020		674.510		677.200	
Total Depth (ft)			97.5		111.5		137.0		73.5	
Total Depth (ft) After 5/21/2012			97.5		111.5		137.0		77.2	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-5L		R-6U		R-6L		R-7U	
5/29/2018	745.60	0.32	51.80	700.12	111.20	700.32	135.80	675.71	77.50	676.86
6/6/2018	744.70		51.80	700.12	111.20	700.32	135.80	675.71	77.50	676.86
6/13/2018	743.70		51.90	700.02	111.20	700.32	135.80	675.71	77.50	676.86
6/20/2018	742.50		51.90	700.02	111.20	700.32	135.80	675.71	77.50	676.86
6/27/2018	741.20	0.00	52.10	699.82	111.20	700.32	135.80	675.71	77.50	676.86
7/5/2018	739.80		52.10	699.82	111.20	700.32	135.80	675.71	77.50	676.86
7/11/2018	738.70		52.20	699.72	111.20	700.32	135.80	675.71	77.50	676.86
7/18/2018	738.50		52.30	699.62	111.30	700.22	135.90	675.61	77.50	676.86
7/25/2018	738.40	0.00	52.40	699.52	111.30	700.22	135.90	675.61	77.50	676.86
8/1/2018	738.10		52.50	699.42	111.30	700.22	135.90	675.61	77.50	676.86
8/8/2018	737.80		52.50	699.42	111.40	700.12	135.90	675.61	77.50	676.86
8/15/2018	737.70		52.60	699.32	111.40	700.12	135.90	675.61	77.50	676.86
8/22/2018	737.90		52.70	699.22	111.40	700.12	135.90	675.61	77.50	676.86
8/29/2018	737.90	0.00	52.80	699.12	111.50	700.02	135.90	675.61	77.50	676.86
9/5/2018	738.00		52.80	699.12	111.50	700.02	135.90	675.61	77.50	676.86
9/12/2018	737.90		52.90	699.02	111.50	700.02	135.90	675.61	77.50	676.86
9/19/2018	737.60		53.00	698.92	111.50	700.02	135.90	675.61	77.50	676.86
9/26/2018	737.30	0.00	53.00	698.92	111.50	700.02	135.90	675.61	77.50	676.86
10/3/2018	737.50		53.00	698.92	111.60	699.92	135.90	675.61	77.50	676.86
10/10/2018	737.70		53.10	698.82	111.70	699.82	135.90	675.61	77.50	676.86
10/17/2018	738.20		53.10	698.82	111.80	699.72	135.90	675.61	77.50	676.86
10/24/2018	738.60		53.10	698.82	112.30	699.22	135.90	675.61	77.50	676.86
10/30/2018	738.50	0.69	53.10	698.82	112.30	699.22	135.90	675.61	77.50	676.86
11/7/2018	738.40		53.30	698.62	112.60	698.92	135.90	675.61	77.50	676.86
11/16/2018	737.70		53.40	698.52	112.60	698.92	135.90	675.61	77.50	676.86
11/21/2018	737.50		53.50	698.42	112.60	698.92	135.90	675.61	77.50	676.86
11/28/2018	737.20	1.66	53.60	698.32	112.60	698.92	135.90	675.61	77.50	676.86

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-5 Lower		R-6 Upper		R-6 Lower		R-7 Upper	
Top Ref. Elev. (ft)			752.400		812.200		812.200		750.700	
Top Ref. Elev. (ft) After 5/21/2012			751.920		811.520		811.510		754.355	
Tip Elev. (ft)			654.420		700.020		674.510		677.200	
Total Depth (ft)			97.5		111.5		137.0		73.5	
Total Depth (ft) After 5/21/2012			97.5		111.5		137.0		77.2	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-5L		R-6U		R-6L		R-7U	
12/5/2018	737.60		53.70	698.22	112.60	698.92	135.90	675.61	77.50	676.86
12/12/2018	737.70		53.80	698.12	112.60	698.92	135.90	675.61	77.50	676.86
12/19/2018	737.60		53.90	698.02	112.60	698.92	135.90	675.61	77.50	676.86
12/27/2018	737.40	2.05	53.90	698.02	112.60	698.92	135.90	675.61	77.50	676.86
1/2/2019	737.10		53.90	698.02	112.60	698.92	135.90	675.61	77.50	676.86
1/9/2019	738.40		60.00	691.92	112.60	698.92	134.50	677.01	77.50	676.86
1/16/2019	738.50		53.50	698.42	112.60	698.92	134.20	677.31	77.50	676.86
1/23/2019	740.80		53.00	698.92	112.60	698.92	134.00	677.51	77.50	676.86
1/30/2019	740.70	5.18	53.10	698.82	112.60	698.92	133.70	677.81	77.50	676.86
2/6/2019	745.80		52.80	699.12	112.60	698.92	131.70	679.81	77.50	676.86
2/13/2019	747.80		52.30	699.62	112.60	698.92	130.70	680.81	77.50	676.86
2/20/2019	764.70		44.50	707.42	112.60	698.92	130.00	681.51	77.50	676.86
2/27/2019	766.80	8.65	35.70	716.22	112.60	698.92	130.40	681.11	77.50	676.86
3/6/2019	769.50		35.70	716.22	112.60	698.92	130.40	681.11	77.50	676.86
3/13/2019	772.00		36.20	715.72	112.60	698.92	130.50	681.01	77.50	676.86
3/20/2019	773.30		36.60	715.32	112.60	698.92	130.70	680.81	77.50	676.86
3/27/2019	774.30	2.49	37.00	714.92	112.60	698.92	130.60	680.91	77.50	676.86
4/3/2019	774.50		37.00	714.92	112.60	698.92	130.60	680.91	77.50	676.86
4/10/2019	774.70		37.00	714.92	112.60	698.92	130.60	680.91	77.50	676.86
1/17/2019	774.80		37.00	714.92	112.60	698.92	130.60	680.91	77.50	676.86
4/24/2019	774.90	0.10	37.00	714.92	112.60	698.92	130.60	680.91	77.50	676.86
5/1/2019	774.90		37.00	714.92	112.60	698.92	130.60	680.91	77.50	676.86
5/8/2019	774.90		37.00	714.92	112.60	698.92	130.50	681.01	77.50	676.86
5/15/2019	774.60		37.10	714.82	110.70	700.82	130.50	681.01	77.50	676.86
5/22/2019	773.90		37.20	714.72	110.80	700.72	130.50	681.01	77.50	676.86
5/29/2019	773.10	1.07	37.30	714.62	110.90	700.62	130.50	681.01	77.50	676.86
6/5/2019	772.10		37.40	714.52	110.60	700.92	130.50	681.01	77.50	676.86

Notes:

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2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-5 Lower		R-6 Upper		R-6 Lower		R-7 Upper	
Top Ref. Elev. (ft)			752.400		812.200		812.200		750.700	
Top Ref. Elev. (ft) After 5/21/2012			751.920		811.520		811.510		754.355	
Tip Elev. (ft)			654.420		700.020		674.510		677.200	
Total Depth (ft)			97.5		111.5		137.0		73.5	
Total Depth (ft) After 5/21/2012			97.5		111.5		137.0		77.2	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-5L		R-6U		R-6L		R-7U	
6/12/2019	770.80		37.60	714.32	110.30	701.22	130.50	681.01	77.50	676.86
6/19/2019	769.50		37.70	714.22	110.40	701.12	130.50	681.01	77.50	676.86
6/26/2019	768.10	0.03	37.80	714.12	110.00	701.52	130.50	681.01	77.50	676.86
7/3/2019	766.70		37.80	714.12	110.00	701.52	130.40	681.11	77.50	676.86
7/5/2019	766.20		38.00	713.92	110.00	701.52	130.40	681.11	77.50	676.86
7/10/2019	765.10		38.00	713.92	110.00	701.52	130.40	681.11	77.50	676.86
7/17/2019	763.40		38.20	713.72	110.00	701.52	130.40	681.11	77.50	676.86
7/24/2019	761.70		38.10	713.82	110.00	701.52	130.40	681.11	77.50	676.86
7/30/2019	760.50	0.00	38.00	713.92	110.00	701.52	130.40	681.11	77.50	676.86
8/7/2019	759.60		38.20	713.72	110.00	701.52	130.40	681.11	77.50	676.86
8/14/2019	758.80		38.40	713.52	110.00	701.52	130.40	681.11	77.50	676.86
8/21/2019	757.80		38.60	713.32	110.00	701.52	130.50	681.01	77.50	676.86
8/28/2019	757.20	0.00	38.80	713.12	110.20	701.32	130.60	680.91	77.50	676.86
9/4/2019	756.70		38.90	713.02	110.20	701.32	130.20	681.31	77.50	676.86
9/11/2019	756.30		39.10	712.82	110.20	701.32	130.00	681.51	77.50	676.86
9/18/2019	755.90		39.20	712.72	110.20	701.32	129.90	681.61	76.00	678.36
9/25/2019	755.20	0.00	39.30	712.62	110.20	701.32	129.80	681.71	76.10	678.26
10/2/2019	754.60		39.40	712.52	110.20	701.32	129.80	681.71	75.10	679.26
10/10/2019	754.30		39.60	712.32	110.30	701.22	129.80	681.71	75.10	679.26
10/16/2019	753.90		39.70	712.22	110.40	701.12	129.80	681.71	75.10	679.26
10/26/2019	752.70		39.80	712.12	110.50	701.02	129.80	681.71	75.10	679.26
10/30/2019	752.30	0.00	39.80	712.12	110.60	700.92	129.80	681.71	75.10	679.26
11/6/2019	751.70		39.80	712.12	110.60	700.92	129.80	681.71	75.10	679.26
11/13/2019	751.30		39.80	712.12	110.60	700.92	129.80	681.71	75.10	679.26
11/20/2019	751.20		39.80	712.12	110.50	701.02	129.80	681.71	75.10	679.26
11/27/2019	751.10	2.38	39.80	712.12	110.60	700.92	129.80	681.71	75.10	679.26

Notes:

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TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-5 Lower		R-6 Upper		R-6 Lower		R-7 Upper	
Top Ref. Elev. (ft)			752.400		812.200		812.200		750.700	
Top Ref. Elev. (ft) After 5/21/2012			751.920		811.520		811.510		754.355	
Tip Elev. (ft)			654.420		700.020		674.510		677.200	
Total Depth (ft)			97.5		111.5		137.0		73.5	
Total Depth (ft) After 5/21/2012			97.5		111.5		137.0		77.2	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-5L		R-6U		R-6L		R-7U	
12/4/2019	751.20		39.80	712.12	110.60	700.92	129.80	681.71	75.10	679.26
12/11/2019	751.40		40.40	711.52	111.80	699.72	129.80	681.71	75.10	679.26
12/18/2019	751.30		40.60	711.32	110.70	700.82	129.80	681.71	75.10	679.26
12/26/2019	751.60	4.61	40.70	711.22	111.20	700.32	129.80	681.71	75.10	679.26
1/2/2020	751.80		40.70	711.22	111.50	700.02	129.80	681.71	75.10	679.26
1/8/2020	751.90		40.80	711.12	111.90	699.62	129.80	681.71	75.10	679.26
1/15/2020	751.90		40.90	711.02	110.80	700.72	129.80	681.71	75.10	679.26
1/22/2020	751.90		41.10	710.82	110.60	700.92	129.80	681.71	75.10	679.26
1/29/2020	752.00	0.15	41.00	710.92	110.50	701.02	129.80	681.71	75.10	679.26
2/5/2020	751.90		41.00	710.92	110.30	701.22	129.80	681.71	75.10	679.26
2/12/2020	751.90		41.20	710.72	110.10	701.42	129.80	681.71	75.30	679.06
2/19/2020	751.90		41.40	710.52	112.80	698.72	130.40	681.11	75.60	678.76
2/26/2020	751.90	0.53	41.60	710.32	112.80	698.72	130.40	681.11	75.20	679.16
3/4/2020	751.80		41.60	710.32	112.80	698.72	130.40	681.11	75.20	679.16
3/11/2020	751.80		41.60	710.32	110.20	701.32	130.40	681.11	75.10	679.26
3/18/2020	752.10		41.80	710.12	110.40	701.12	130.40	681.11	75.10	679.26
3/25/2020	753.30	4.31	41.90	710.02	110.40	701.12	130.40	681.11	75.10	679.26
4/1/2020	753.60		41.90	710.02	110.40	701.12	130.10	681.41	75.10	679.26
4/8/2020	755.80		42.00	709.92	111.40	700.12	130.10	681.41	75.10	679.26
4/15/2020	760.50		42.30	709.62	110.80	700.72	130.30	681.21	75.10	679.26
4/22/2020	761.50		42.30	709.62	110.70	700.82	129.90	681.61	75.10	679.26
4/29/2020	761.90	3.88	42.30	709.62	110.60	700.92	130.00	681.51	75.10	679.26
5/6/2020	761.20		42.30	709.62	110.60	700.92	130.00	681.51	75.10	679.26
5/13/2020	762.10		42.50	709.42	110.70	700.82	129.80	681.71	75.10	679.26
5/20/2020	762.20		42.60	709.32	110.50	701.02	130.10	681.41	75.10	679.26
5/27/2020	762.10	0.03	42.70	709.22	110.60	700.92	130.00	681.51	75.10	679.26
6/3/2020	761.90		42.70	709.22	110.60	700.92	130.00	681.51	75.00	679.36

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-5 Lower		R-6 Upper		R-6 Lower		R-7 Upper	
Top Ref. Elev. (ft)			752.400		812.200		812.200		750.700	
Top Ref. Elev. (ft) After 5/21/2012			751.920		811.520		811.510		754.355	
Tip Elev. (ft)			654.420		700.020		674.510		677.200	
Total Depth (ft)			97.5		111.5		137.0		73.5	
Total Depth (ft) After 5/21/2012			97.5		111.5		137.0		77.2	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-5L		R-6U		R-6L		R-7U	
6/10/2020	761.80		42.80	709.12	110.70	700.82	130.10	681.41	75.60	678.76
6/19/2020	760.10		42.90	709.02	110.70	700.82	130.00	681.51	75.60	678.76
6/24/2020	759.00	0.00	42.90	709.02	110.70	700.82	130.00	681.51	75.60	678.76
7/1/2020	757.30		42.90	709.02	110.70	700.82	130.00	681.51	75.60	678.76
7/8/2020	755.80		43.10	708.82	110.50	701.02	129.90	681.61	75.60	678.76
7/15/2020	754.40		43.30	708.62	111.40	700.12	129.90	681.61	75.60	678.76
7/22/2020	752.90		43.40	708.52	111.30	700.22	129.90	681.61	75.60	678.76
7/29/2020	751.40	0.00	43.50	708.42	111.40	700.12	130.00	681.51	75.60	678.76
8/5/2020	749.90		43.50	708.42	111.40	700.12	130.00	681.51	75.60	678.76
8/12/2020	749.60		43.60	708.32	111.30	700.22	130.30	681.21	75.60	678.76
8/19/2020	749.10		43.70	708.22	111.30	700.22	130.50	681.01	75.60	678.76
8/26/2020	747.90	0.00	43.80	708.12	111.30	700.22	130.70	680.81	75.60	678.76
9/2/2020	746.40		44.00	707.92	111.30	700.22	130.70	680.81	75.60	678.76
9/9/2020	745.70		44.00	707.92	111.20	700.32	130.70	680.81	75.60	678.76
9/16/2020	745.20		44.10	707.82	111.10	700.42	130.70	680.81	75.60	678.76
9/19/2020	747.80		44.10	707.82	111.10	700.42	130.70	680.81	75.60	678.76
9/23/2020	749.40		44.10	707.82	111.10	700.42	130.70	680.81	75.60	678.76
9/30/2020	743.50	0.00	44.10	707.82	111.10	700.42	130.70	680.81	75.60	678.76
10/7/2020	742.70		44.20	707.72	111.30	700.22	130.70	680.81	74.70	679.66
10/14/2020	741.60		44.30	707.62	111.40	700.12	130.80	680.71	74.60	679.76
10/21/2020	740.30		44.50	707.42	111.40	700.12	130.80	680.71	74.60	679.76
10/28/2020	739.90	0.00	44.60	707.32	112.50	699.02	130.80	680.71	74.50	679.86
11/4/2020	739.40		44.60	707.32	112.50	699.02	130.80	680.71	74.50	679.86
11/10/2020	739.20		44.70	707.22	112.50	699.02	130.60	680.91	74.50	679.86
11/18/2020	739.00		44.70	707.22	112.50	699.02	130.40	681.11	74.50	679.86
11/25/2020	738.80	0.54	44.80	707.12	112.50	699.02	130.20	681.31	74.50	679.86
12/2/2020	738.50		44.80	707.12	112.50	699.02	130.20	681.31	74.50	679.86

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-5 Lower		R-6 Upper		R-6 Lower		R-7 Upper	
Top Ref. Elev. (ft)			752.400		812.200		812.200		750.700	
Top Ref. Elev. (ft) After 5/21/2012			751.920		811.520		811.510		754.355	
Tip Elev. (ft)			654.420		700.020		674.510		677.200	
Total Depth (ft)			97.5		111.5		137.0		73.5	
Total Depth (ft) After 5/21/2012			97.5		111.5		137.0		77.2	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-5L		R-6U		R-6L		R-7U	
12/9/2020	738.20		44.90	707.02	112.50	699.02	130.30	681.21	74.50	679.86
12/16/2020	738.00		45.00	706.92	112.50	699.02	130.40	681.11	74.60	679.76
12/23/2020	738.20	1.72	45.20	706.72	112.50	699.02	130.50	681.01	74.60	679.76
1/6/2021	742.10		45.20	706.72	112.50	699.02	130.50	681.01	74.60	679.76
1/13/2021	742.10		45.40	706.52	112.10	699.42	130.50	681.01	74.60	679.76
1/20/2021	741.80		45.40	706.52	112.10	699.42	130.50	681.01	74.60	679.76
1/27/2021	741.70	1.36	45.50	706.42	112.00	699.52	130.50	681.01	74.60	679.76
2/3/2021	741.80		45.50	706.42	112.00	699.52	130.50	681.01	74.60	679.76
2/10/2021	741.60		45.60	706.32	112.00	699.52	130.50	681.01	74.60	679.76
2/17/2021	741.40		45.70	706.22	112.00	699.52	130.40	681.11	74.60	679.76
2/24/2021	741.00	0.14	45.80	706.12	112.00	699.52	130.40	681.11	74.70	679.66
3/3/2021	740.80		45.80	706.12	111.90	699.62	130.40	681.11	74.70	679.66
3/10/2021	740.60		46.00	705.92	111.50	700.02	130.00	681.51	74.60	679.76
3/17/2021	741.00		46.10	705.82	111.50	700.02	130.40	681.11	74.70	679.66
3/24/2021	740.90		46.10	705.82	111.20	700.32	130.10	681.41	74.50	679.86
3/31/2021	740.60	1.53	46.10	705.82	111.10	700.42	130.10	681.41	74.50	679.86
4/7/2021	740.80		46.10	705.82	111.10	700.42	130.10	681.41	74.50	679.86
4/14/2021	740.70		46.30	705.62	110.90	700.62	130.10	681.41	74.40	679.96
4/21/2021	741.30		46.40	705.52	110.70	700.82	130.10	681.41	74.60	679.76
4/28/2021	742.00	0.00	46.40	705.52	111.20	700.32	130.00	681.51	74.60	679.76
5/5/2021	741.90		46.60	705.32	111.70	699.82	130.70	680.81	74.70	679.66
5/15/2021	740.80		46.70	705.22	110.90	700.62	130.60	680.91	74.70	679.66
5/19/2021	740.40		46.70	705.22	111.50	700.02	130.60	680.91	74.60	679.76
5/26/2021	740.10	0.05	46.80	705.12	112.80	698.72	130.10	681.41	74.80	679.56
6/2/2021	739.60		46.90	705.02	111.30	700.22	129.80	681.71	74.80	679.56
6/9/2021	738.30		47.00	704.92	111.30	700.22	129.90	681.61	74.80	679.56
6/16/2021	737.20		47.10	704.82	111.70	699.82	130.00	681.51	74.80	679.56
6/23/2021	736.00		47.10	704.82	111.70	699.82	130.10	681.41	74.80	679.56

Notes:
1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-5 Lower		R-6 Upper		R-6 Lower		R-7 Upper	
Top Ref. Elev. (ft)			752.400		812.200		812.200		750.700	
Top Ref. Elev. (ft) After 5/21/2012			751.920		811.520		811.510		754.355	
Tip Elev. (ft)			654.420		700.020		674.510		677.200	
Total Depth (ft)			97.5		111.5		137.0		73.5	
Total Depth (ft) After 5/21/2012			97.5		111.5		137.0		77.2	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-5L		R-6U		R-6L		R-7U	
6/30/2021	736.40	0.00	47.10	704.82	111.70	699.82	130.10	681.41	74.80	679.56
7/7/2021	737.00		47.20	704.72	112.80	698.72	129.80	681.71	74.80	679.56
7/14/2021	737.40		47.30	704.62	112.80	698.72	130.00	681.51	74.80	679.56
7/21/2021	737.80		47.50	704.42	112.80	698.72	130.40	681.11	74.80	679.56
7/28/2021	736.40	0.05	47.60	704.32	112.80	698.72	130.50	681.01	74.30	680.06
8/4/2021	736.30		47.60	704.32	112.80	698.72	130.50	681.01	74.20	680.16
8/11/2021	735.90		47.60	704.32	112.80	698.72	130.40	681.11	74.20	680.16
8/18/2021	735.90		44.70	707.22	112.80	698.72	130.30	681.21	74.20	680.16
8/25/2021	735.70	0.00	44.80	707.12	112.80	698.72	130.50	681.01	74.20	680.16
9/1/2021	735.60		47.80	704.12	112.80	698.72	130.00	681.51	74.20	680.16
9/8/2021	736.00		47.80	704.12	112.80	698.72	130.10	681.41	74.30	680.06
9/15/2021	737.00		48.00	703.92	112.80	698.72	130.00	681.51	74.30	680.06
9/22/2021	737.50		48.10	703.82	112.80	698.72	129.80	681.71	74.30	680.06
9/29/2021	738.00	0.00	48.20	703.72	112.80	698.72	130.10	681.41	74.10	680.26
10/6/2021	738.20		48.20	703.72	112.80	698.72	131.50	680.01	74.30	680.06
10/13/2021	738.70		48.30	703.62	112.80	698.72	131.80	679.71	74.40	679.96
10/22/2021	738.80		48.40	703.52	112.80	698.72	131.60	679.91	74.80	679.56
10/27/2021	739.00	0.46	48.40	703.52	112.80	698.72	131.50	680.01	74.80	679.56
11/3/2021	739.60		48.50	703.42	112.80	698.72	130.90	680.61	74.50	679.86
11/10/2021	740.20		48.60	703.32	112.80	698.72	130.90	680.61	74.80	679.56
11/17/2021	740.20		48.70	703.22	112.80	698.72	130.90	680.61	74.40	679.96
11/24/2021	739.90	0.00	48.80	703.12	112.80	698.72	130.80	680.71	74.50	679.86
12/1/2021	739.50		48.80	703.12	112.80	698.72	129.80	681.71	74.80	679.56
12/8/2021	739.40		48.90	703.02	112.80	698.72	129.80	681.71	74.80	679.56
12/15/2021	740.00		48.90	703.02	112.80	698.72	130.10	681.41	74.80	679.56
12/22/2021	740.00		48.90	703.02	112.80	698.72	129.80	681.71	74.80	679.56
12/29/2021	743.00	7.24	49.00	702.92	112.80	698.72	129.80	681.71	74.80	679.56

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-5 Lower		R-6 Upper		R-6 Lower		R-7 Upper	
Top Ref. Elev. (ft)			752.400		812.200		812.200		750.700	
Top Ref. Elev. (ft) After 5/21/2012			751.920		811.520		811.510		754.355	
Tip Elev. (ft)			654.420		700.020		674.510		677.200	
Total Depth (ft)			97.5		111.5		137.0		73.5	
Total Depth (ft) After 5/21/2012			97.5		111.5		137.0		77.2	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-5L		R-6U		R-6L		R-7U	
1/6/2022	744.20		49.30	702.62	112.80	698.72	129.80	681.71	74.80	679.56
1/12/2022	744.20		49.30	702.62	112.80	698.72	130.00	681.51	74.80	679.56
1/19/2022	744.10		49.40	702.52	112.80	698.72	130.80	680.71	74.80	679.56
1/26/2022	744.00	0.05	49.40	702.52	112.80	698.72	129.80	681.71	74.80	679.56
2/2/2022	743.80		49.40	702.52	112.80	698.72	130.00	681.51	74.90	679.46
2/9/2022	743.70		49.50	702.42	112.80	698.72	130.60	680.91	74.80	679.56
2/16/2022	743.60		49.60	702.32	112.80	698.72	129.90	681.61	74.80	679.56
2/28/2022	743.40	0.04	49.60	702.32	112.80	698.72	129.90	681.61	74.80	679.56
3/2/2022	743.30		49.60	702.32	112.80	698.72	129.90	681.61	74.80	679.56
3/9/2022	743.10		49.60	702.32	112.80	698.72	129.90	681.61	74.80	679.56
3/16/2022	743.00		49.60	702.32	112.80	698.72	129.90	681.61	74.80	679.56
3/23/2022	742.80		49.60	702.32	112.80	698.72	130.00	681.51	74.40	679.96
3/30/2022	742.10	1.28	49.60	702.32	112.80	698.72	130.40	681.11	74.30	680.06
4/6/2022	741.90		49.70	702.22	112.80	698.72	130.50	681.01	74.80	679.56
4/13/2022	741.60		50.20	701.72	112.80	698.72	130.60	680.91	74.80	679.56
4/20/2022	741.10		50.30	701.62	112.80	698.72	130.70	680.81	74.80	679.56
4/27/2022	740.20	0.25	50.30	701.62	112.80	698.72	130.80	680.71	74.80	679.56
5/4/2022	739.30		50.30	701.62	112.80	698.72	130.20	681.31	74.80	679.56
5/11/2022	738.10		50.30	701.62	112.80	698.72	130.20	681.31	74.80	679.56
5/18/2022	737.90		50.40	701.52	112.80	698.72	130.30	681.21	74.80	679.56
5/25/2022	737.00	0.00	50.60	701.32	112.80	698.72	130.40	681.11	74.80	679.56
6/1/2022	737.00		50.60	701.32	112.80	698.72	130.30	681.21	74.80	679.56
6/8/2022	738.00		50.70	701.22	112.80	698.72	130.30	681.21	74.80	679.56
6/15/2022	738.60		50.80	701.12	112.80	698.72	130.30	681.21	74.80	679.56
6/22/2022	741.70		50.80	701.12	112.80	698.72	130.30	681.21	74.80	679.56
6/29/2022	742.80	0.00	50.90	701.02	112.80	698.72	130.30	681.21	74.80	679.56
7/6/2022	744.60		50.90	701.02	112.80	698.72	130.30	681.21	74.80	679.56

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-5 Lower		R-6 Upper		R-6 Lower		R-7 Upper	
Top Ref. Elev. (ft)			752.400		812.200		812.200		750.700	
Top Ref. Elev. (ft) After 5/21/2012			751.920		811.520		811.510		754.355	
Tip Elev. (ft)			654.420		700.020		674.510		677.200	
Total Depth (ft)			97.5		111.5		137.0		73.5	
Total Depth (ft) After 5/21/2012			97.5		111.5		137.0		77.2	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-5L		R-6U		R-6L		R-7U	
7/13/2022	745.50		51.00	700.92	112.80	698.72	130.20	681.31	74.80	679.56
7/20/2022	745.50		51.20	700.72	112.80	698.72	130.20	681.31	74.80	679.56
7/27/2022	744.50	0.03	51.30	700.62	112.80	698.72	130.20	681.31	74.80	679.56
8/3/2022	743.00		51.30	700.62	112.80	698.72	130.20	681.31	74.80	679.56
8/10/2022	742.10		51.30	700.62	112.80	698.72	130.30	681.21	74.80	679.56
8/17/2022	744.60		51.40	700.52	112.80	698.72	130.30	681.21	74.80	679.56
8/24/2022	746.60		51.40	700.52	112.80	698.72	130.30	681.21	74.80	679.56
8/31/2022	748.70	0.03	51.40	700.52	112.80	698.72	130.30	681.21	74.80	679.56
9/7/2022	749.60		51.60	700.32	112.80	698.72	135.30	676.21	74.80	679.56
9/14/2022	749.00		51.60	700.32	112.80	698.72	135.30	676.21	74.80	679.56
9/21/2022	747.60		51.80	700.12	112.80	698.72	130.30	681.21	74.80	679.56
9/28/2022	746.00	0.29	51.90	700.02	112.80	698.72	134.80	676.71	74.80	679.56
10/5/2022	744.90		51.90	700.02	112.80	698.72	134.80	676.71	73.80	680.56
10/12/2022	743.90		52.00	699.92	112.80	698.72	135.50	676.01	73.70	680.66
10/19/2022	743.70		52.10	699.82	112.80	698.72	135.90	675.61	74.50	679.86
10/26/2022	743.50	0.44	52.10	699.82	112.80	698.72	135.40	676.11	74.50	679.86
11/2/2022	743.40		52.30	699.62	112.80	698.72	135.40	676.11	74.50	679.86
11/9/2022	744.40		52.30	699.62	112.80	698.72	135.40	676.11	74.60	679.76
11/16/2022	744.30		52.30	699.62	112.80	698.72	135.50	676.01	74.60	679.76
11/23/2022	744.00		52.30	699.62	112.80	698.72	135.50	676.01	74.60	679.76
11/30/2022	743.70	1.24	52.30	699.62	112.80	698.72	135.40	676.11	74.60	679.76
12/1/2022	739.50		48.80	703.12	112.80	698.72	129.80	681.71	74.80	679.56
12/8/2022	739.40		48.90	703.02	112.80	698.72	129.90	681.61	74.80	679.56
12/15/2022	740.00		48.90	703.02	112.80	698.72	130.10	681.41	74.80	679.56
12/22/2022	740.00		48.90	703.02	112.80	698.72	129.80	681.71	74.80	679.56
12/29/2022	742.00	2.62	49.00	702.92	112.80	698.72	129.90	681.61	74.80	679.56
1/4/2023	745.60		52.80	699.12	112.80	698.72	133.30	678.21	74.80	679.56

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-5 Lower		R-6 Upper		R-6 Lower		R-7 Upper	
Top Ref. Elev. (ft)			752.400		812.200		812.200		750.700	
Top Ref. Elev. (ft) After 5/21/2012			751.920		811.520		811.510		754.355	
Tip Elev. (ft)			654.420		700.020		674.510		677.200	
Total Depth (ft)			97.5		111.5		137.0		73.5	
Total Depth (ft) After 5/21/2012			97.5		111.5		137.0		77.2	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-5L		R-6U		R-6L		R-7U	
1/11/2023	748.90		52.80	699.12	112.80	698.72	133.50	678.01	74.70	679.66
1/18/2023	758.90		52.80	699.12	112.80	698.72	130.90	680.61	74.80	679.56
1/25/2023	760.90	6.31	52.80	699.12	112.80	698.72	129.90	681.61	74.80	679.56
2/1/2023	761.50		53.00	698.92	112.80	698.72	132.90	678.61	74.80	679.56
2/8/2023	761.80		53.20	698.72	112.80	698.72	132.90	678.61	74.80	679.56
2/15/2023	762.00		53.20	698.72	112.80	698.72	136.20	675.31	74.80	679.56
2/22/2023	762.20	2.95	53.20	698.72	112.80	698.72	132.90	678.61	74.80	679.56
3/1/2023	763.60		53.40	698.52	112.80	698.72	130.60	680.91	74.80	679.56
3/8/2023	764.10		53.40	698.52	112.80	698.72	130.60	680.91	74.80	679.56
3/15/2023	764.30		25.10	726.82	112.80	698.72	130.60	680.91	74.90	679.46
3/22/2023	772.80		25.10	726.82	112.80	698.72	130.60	680.91	74.90	679.46
3/29/2023	775.60	6.45	25.10	726.82	112.80	698.72	130.60	680.91	74.90	679.46
4/5/2023	777.40		34.00	717.92	112.80	698.72	130.20	681.31	74.90	679.46
4/12/2023	778.90		35.30	716.62	112.80	698.72	130.30	681.21	74.90	679.46
4/19/2023	779.50		36.40	715.52	112.80	698.72	130.30	681.21	75.00	679.36
4/26/2023	779.80	0.10	37.10	714.82	112.80	698.72	130.30	681.21	75.00	679.36
5/3/2023	779.80		37.10	714.82	110.70	700.82	130.30	681.21	75.00	679.36
5/10/2023	779.90		37.10	714.82	109.80	701.72	130.30	681.21	75.00	679.36
5/17/2023	779.70		37.10	714.82	109.80	701.72	130.30	681.21	75.10	679.26
5/24/2023	779.60	0.79	37.10	714.82	109.80	701.72	130.30	681.21	75.10	679.26
5/31/2023	779.20		37.10	714.82	109.80	701.72	130.30	681.21	75.10	679.26
6/7/2023	779.20		37.10	714.82	109.80	701.72	130.20	681.31	75.10	679.26
6/14/2023	778.90		37.10	714.82	109.80	701.72	130.20	681.31	75.10	679.26
6/21/2023	778.50		37.20	714.72	109.80	701.72	130.20	681.31	75.10	679.26
6/28/2023	777.90	0.09	37.20	714.72	109.80	701.72	130.20	681.31	75.10	679.26
7/5/2023	777.40		37.20	714.72	109.80	701.72	130.20	681.31	75.10	679.26
7/12/2023	776.70		37.20	714.72	108.70	702.82	130.50	681.01	75.10	679.26

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-5 Lower		R-6 Upper		R-6 Lower		R-7 Upper	
Top Ref. Elev. (ft)			752.400		812.200		812.200		750.700	
Top Ref. Elev. (ft) After 5/21/2012			751.920		811.520		811.510		754.355	
Tip Elev. (ft)			654.420		700.020		674.510		677.200	
Total Depth (ft)			97.5		111.5		137.0		73.5	
Total Depth (ft) After 5/21/2012			97.5		111.5		137.0		77.2	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-5L		R-6U		R-6L		R-7U	
7/19/2023	776.00		37.20	714.72	108.70	702.82	130.50	681.01	75.10	679.26
7/26/2023	775.00	0.00	37.20	714.72	108.70	702.82	130.50	681.01	75.10	679.26
8/3/2023	774.40		37.30	714.62	105.30	706.22	130.50	681.01	75.10	679.26
8/9/2023	774.00		37.30	714.62	105.30	706.22	130.50	681.01	75.10	679.26
8/16/2023	773.50		37.30	714.62	105.30	706.22	130.50	681.01	75.10	679.26
8/23/2023	773.50		37.30	714.62	105.30	706.22	130.50	681.01	75.10	679.26
8/31/2023	773.30	2.00	37.30	714.62	105.30	706.22	130.50	681.01	75.10	679.26
9/6/2023	773.20		37.30	714.62	102.00	709.52	130.50	681.01	75.10	679.26
9/13/2023	772.60		37.30	714.62	102.00	709.52	130.50	681.01	75.10	679.26
9/20/2023	772.10		38.10	713.82	102.00	709.52	130.50	681.01	75.10	679.26
9/27/2023	771.40	0.04	38.10	713.82	102.00	709.52	130.50	681.01	75.10	679.26
10/5/2023	770.40		38.30	713.62	101.50	710.02	130.50	681.01	75.10	679.26
10/12/2023	769.50		38.30	713.62	101.70	709.82	130.50	681.01	75.10	679.26
10/18/2023	768.30		38.30	713.62	101.80	709.72	130.50	681.01	75.10	679.26
10/25/2023	765.20	0.18	38.30	713.62	101.80	709.72	130.50	681.01	75.10	679.26
11/2/2023	762.70		38.30	713.62	101.80	709.72	130.50	681.01	75.10	679.26
11/8/2023	762.50		38.30	713.62	102.00	709.52	130.50	681.01	75.10	679.26
11/16/2023	762.40		38.30	713.62	102.00	709.52	130.50	681.01	75.10	679.26
11/21/2023	762.10		38.30	713.62	102.70	708.82	131.00	680.51	75.10	679.26
11/28/2023	761.60	0.52	38.30	713.62	102.70	708.82	131.00	680.51	75.10	679.26
12/7/2023	761.00		38.30	713.62	102.70	708.82	131.00	680.51	75.10	679.26
12/12/2023	760.70		38.30	713.62	102.70	708.82	131.00	680.51	75.10	679.26
12/19/2023	760.20	1.09	38.30	713.62	102.70	708.82	131.00	680.51	75.10	679.26

Notes:
1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-7 Lower		No. 1		No. 2		No. 3	
Top Ref. Elev. (ft)			750.800		811.500		697.500		696.000	
Top Ref. Elev. (ft) After 5/21/2012			754.370		811.510		699.835		699.090	
Tip Elev. (ft)			664.700		695.310		677.700		654.000	
Total Depth (ft)			86.1		116.2		19.8		42.0	
Total Depth (ft) After 5/21/2012			89.7		116.2		22.1		45.1	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-7L		NO.1		NO.2		NO.3	
1/10/2007	749.70		85.70	665.10	103.20	708.30	19.40	678.10		
1/19/2007	749.40		85.70	665.10	103.30	708.20	19.40	678.10		
1/29/2007	749.60		85.70	665.10	103.30	708.20	19.40	678.10		
2/7/2007	750.00		85.70	665.10	103.30	708.20	19.40	678.10		
2/16/2007	750.20		85.70	665.10	103.70	707.80	19.40	678.10		
2/26/2007	750.60		85.70	665.10	103.90	707.60	19.40	678.10		
3/6/2007	751.70		85.70	665.10	104.20	707.30	19.40	678.10		
3/17/2007	755.10		85.70	665.10	104.40	707.10	19.40	678.10		
3/25/2007	756.30		85.70	665.10	104.40	707.10	19.40	678.10		
4/6/2007	760.00		85.70	665.10	104.40	707.10	19.40	678.10		
4/16/2007	762.90		85.70	665.10	104.40	707.10	19.40	678.10		
4/27/2007	767.10		85.70	665.10	104.50	707.00	19.40	678.10		
5/9/2007	766.80		85.70	665.10	104.40	707.10	19.40	678.10		
5/19/2007	764.80		85.70	665.10	104.50	707.00	19.40	678.10		
5/29/2007	762.80		85.70	665.10	104.30	707.20	19.40	678.10		
6/8/2007	761.20		85.70	665.10	104.40	707.10	19.40	678.10		
6/18/2007	759.90		85.70	665.10	104.20	707.30	19.40	678.10		
6/28/2007	758.10		85.70	665.10	104.10	707.40	19.40	678.10		
7/10/2007	756.70		85.70	665.10	104.10	707.40	19.40	678.10		
7/19/2007	755.80		85.70	665.10	104.20	707.30	19.40	678.10		
7/30/2007	754.90		85.70	665.10	104.30	707.20	19.40	678.10		
8/11/2007	754.40		85.70	665.10	104.30	707.20	19.40	678.10		
8/22/2007	753.80		85.70	665.10	104.50	707.00	19.40	678.10		
8/30/2007	753.30		85.70	665.10	104.60	706.90	19.40	678.10		
9/7/2007	753.20		85.70	665.10	104.60	706.90	19.40	678.10		
9/18/2007	753.00		85.70	665.10	104.60	706.90	19.40	678.10		
9/27/2007	753.60		85.70	665.10	104.50	707.00	19.40	678.10		

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-7 Lower		No. 1		No. 2		No. 3	
Top Ref. Elev. (ft)			750.800		811.500		697.500		696.000	
Top Ref. Elev. (ft) After 5/21/2012			754.370		811.510		699.835		699.090	
Tip Elev. (ft)			664.700		695.310		677.700		654.000	
Total Depth (ft)			86.1		116.2		19.8		42.0	
Total Depth (ft) After 5/21/2012			89.7		116.2		22.1		45.1	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-7L		NO.1		NO.2		NO.3	
10/8/2007	754.90		85.70	665.10	104.60	706.90	19.40	678.10		
10/17/2007	756.20		85.70	665.10	104.80	706.70	19.40	678.10		
10/30/2007	757.80		85.70	665.10	105.10	706.40	19.40	678.10		
11/9/2007	759.60		85.70	665.10	105.10	706.40	19.40	678.10		
11/19/2007	763.60		85.70	665.10	105.10	706.40	19.40	678.10		
11/28/2007	766.50		85.70	665.10	105.20	706.30	19.40	678.10		
12/8/2007	768.70		85.70	665.10	105.20	706.30	19.40	678.10		
12/18/2007	768.50		85.70	665.10	105.20	706.30	19.40	678.10		
12/28/2007	769.30		85.70	665.10	105.20	706.30	19.40	678.10		
1/9/2008	770.50		85.70	665.10	105.00	706.50	19.40	678.10		
1/19/2008	770.30		85.70	665.10	104.80	706.70	19.40	678.10		
1/29/2008	772.70		85.70	665.10	104.80	706.70	19.40	678.10		
2/9/2008	774.10		85.70	665.10	104.30	707.20	19.40	678.10		
2/19/2008	774.40		85.70	665.10	103.80	707.70	19.40	678.10		
2/27/2008	775.00		85.70	665.10	103.70	707.80	19.40	678.10		
3/7/2008	775.00		85.70	665.10	103.50	708.00	19.40	678.10		
3/18/2008	775.00		85.70	665.10	103.40	708.10	19.40	678.10		
3/29/2008	774.90		85.70	665.10	103.30	708.20	19.40	678.10		
4/10/2008	775.00		85.70	665.10	103.10	708.40	19.40	678.10		
4/20/2008	774.80		85.70	665.10	102.80	708.70	19.40	678.10		
5/5/2008	774.65		85.70	665.10	102.60	708.90	19.40	678.10		
5/13/2008	773.90		85.70	665.10	102.50	709.00	19.40	678.10		
5/21/2008	772.85		85.70	665.10	102.40	709.10	19.40	678.10		
5/31/2008	772.10		85.70	665.10	102.30	709.20	19.40	678.10		
6/9/2008	771.20		85.70	665.10	102.20	709.30	19.40	678.10		
6/18/2008	770.50		85.70	665.10	102.20	709.30	19.40	678.10		
6/26/2008	769.60		85.70	665.10	102.10	709.40	19.40	678.10		

Notes:

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2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-7 Lower		No. 1		No. 2		No. 3	
Top Ref. Elev. (ft)			750.800		811.500		697.500		696.000	
Top Ref. Elev. (ft) After 5/21/2012			754.370		811.510		699.835		699.090	
Tip Elev. (ft)			664.700		695.310		677.700		654.000	
Total Depth (ft)			86.1		116.2		19.8		42.0	
Total Depth (ft) After 5/21/2012			89.7		116.2		22.1		45.1	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-7L		NO.1		NO.2		NO.3	
7/8/2008	768.10		85.70	665.10	102.10	709.40	19.40	678.10		
7/19/2008	766.60		85.70	665.10	102.40	709.10	19.40	678.10		
7/29/2008	765.50	0.00	85.70	665.10	102.60	708.90	19.40	678.10		
8/4/2008	764.60	0.00	85.70	665.10	102.60	708.90	19.40	678.10		
8/9/2008	764.25	0.00	85.70	665.10	102.60	708.90	19.40	678.10		
8/19/2008	763.20	0.00	85.70	665.10	102.60	708.90	19.40	678.10		
8/28/2008	762.25	0.00	85.70	665.10	102.60	708.90	19.40	678.10		
9/6/2008	761.00	0.00	85.70	665.10	102.80	708.70	19.40	678.10		
9/17/2008	760.10	0.00	85.70	665.10	103.10	708.40	19.40	678.10		
9/29/2008	759.20	0.00	85.70	665.10	103.40	708.10	19.40	678.10		
10/8/2008	759.00	0.00	85.70	665.10	103.50	708.00	19.40	678.10		
10/18/2008	758.90	0.00	85.70	665.10	103.50	708.00	19.40	678.10		
10/29/2008	761.30	0.00	85.70	665.10	103.70	707.80	19.40	678.10		
11/8/2008	764.30	0.00	85.70	665.10	103.70	707.80	19.40	678.10		
11/17/2008	766.90	0.00	85.70	665.10	103.80	707.70	19.40	678.10		
11/25/2008	769.90	1.71	85.70	665.10	103.90	707.60	19.40	678.10		
12/4/2008	773.90		85.70	665.10	103.80	707.70	19.40	678.10		
12/13/2008	777.30		85.70	665.10	103.80	707.70	19.40	678.10		
12/21/2008	779.10		85.70	665.10	103.80	707.70	19.40	678.10		
12/30/2008	779.40	3.99	85.70	665.10	103.80	707.70	19.40	678.10		
1/8/2009	779.30		85.70	665.10	103.40	708.10	19.40	678.10		
1/19/2009	778.50		85.70	665.10	103.00	708.50	19.40	678.10		
1/29/2009	778.30	0.38	85.70	665.10	102.50	709.00	19.40	678.10		
2/12/2009	779.80		85.70	665.10	101.70	709.80	19.40	678.10		
2/19/2009	781.30		85.70	665.10	101.50	710.00	19.40	678.10		
2/27/2009	782.20	4.33	85.70	665.10	101.40	710.10	19.40	678.10		
3/10/2009	782.70		85.70	665.10	101.40	710.10	19.40	678.10		

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-7 Lower		No. 1		No. 2		No. 3	
Top Ref. Elev. (ft)			750.800		811.500		697.500		696.000	
Top Ref. Elev. (ft) After 5/21/2012			754.370		811.510		699.835		699.090	
Tip Elev. (ft)			664.700		695.310		677.700		654.000	
Total Depth (ft)			86.1		116.2		19.8		42.0	
Total Depth (ft) After 5/21/2012			89.7		116.2		22.1		45.1	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-7L		NO.1		NO.2		NO.3	
3/20/2009	782.40		85.70	665.10	101.50	710.00	19.40	678.10		
3/25/2009	782.20	0.43	85.70	665.10	101.40	710.10	19.40	678.10		
4/4/2009	785.30		85.70	665.10	101.40	710.10	19.40	678.10		
4/13/2009	788.50		85.70	665.10	100.00	711.50	19.40	678.10		
4/21/2009	790.50		85.70	665.10	98.30	713.20	19.40	678.10		
4/26/2009	791.20	0.00	85.70	665.10	97.80	713.70	19.40	678.10		
5/4/2009	791.30		85.70	665.10	95.80	715.70	19.40	678.10		
5/13/2009	790.60		85.70	665.10	94.40	717.10	19.40	678.10		
5/21/2009	789.90		85.70	665.10	93.90	717.60	19.40	678.10		
5/30/2009	789.30	0.00	85.70	665.10	93.10	718.40	19.40	678.10		
6/8/2009	788.70		85.70	665.10	93.10	718.40	19.40	678.10		
6/17/2009	788.20		85.70	665.10	93.20	718.30	19.40	678.10		
6/27/2009	787.60	0.00	85.70	665.10	95.20	716.30	19.40	678.10		
7/7/2009	786.80		85.70	665.10	94.90	716.60	19.40	678.10		
7/15/2009	786.10		85.70	665.10	94.60	716.90	19.40	678.10		
7/22/2009	785.50		85.70	665.10	94.40	717.10	19.40	678.10		
7/30/2009	784.70	0.00	85.70	665.10	94.10	717.40	19.40	678.10		
8/8/2009	783.90		85.70	665.10	94.40	717.10	19.40	678.10		
8/15/2009	783.30		85.70	665.10	94.50	717.00	19.40	678.10		
8/26/2009	782.30	0.00	85.70	665.10	94.80	716.70	19.40	678.10		
9/5/2009	781.50		85.70	665.10	95.00	716.50	19.40	678.10		
9/12/2009	780.80		85.70	665.10	95.10	716.40	19.40	678.10		
9/19/2009	780.20		85.70	665.10	95.30	716.20	19.40	678.10		
9/28/2009	779.50	0.00	85.70	665.10	95.50	716.00	19.40	678.10		
10/8/2009	778.50		85.70	665.10	95.70	715.80	19.40	678.10		
10/19/2009	777.80		85.70	665.10	96.00	715.50	19.40	678.10		
10/30/2009	776.80	0.24	85.70	665.10	96.40	715.10	19.40	678.10		

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-7 Lower		No. 1		No. 2		No. 3	
Top Ref. Elev. (ft)			750.800		811.500		697.500		696.000	
Top Ref. Elev. (ft) After 5/21/2012			754.370		811.510		699.835		699.090	
Tip Elev. (ft)			664.700		695.310		677.700		654.000	
Total Depth (ft)			86.1		116.2		19.8		42.0	
Total Depth (ft) After 5/21/2012			89.7		116.2		22.1		45.1	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-7L		NO.1		NO.2		NO.3	
11/9/2009	776.10		85.70	665.10	96.50	715.00	19.40	678.10		
11/20/2009	775.40		85.70	665.10	96.90	714.60	19.40	678.10		
11/28/2009	774.90	0.00	85.70	665.10	97.20	714.30	19.40	678.10		
12/9/2009	774.60		85.70	665.10	97.60	713.90	19.40	678.10		
12/18/2009	774.60		85.70	665.10	97.80	713.70	19.40	678.10		
12/29/2009	774.30	3.56	85.70	665.10	98.20	713.30	19.40	678.10		
1/9/2010	773.90		85.70	665.10	98.20	713.30	19.40	678.10		
1/17/2010	773.60		85.70	665.10	98.40	713.10	19.40	678.10		
1/28/2010	779.90	7.84	85.70	665.10	98.40	713.10	19.40	678.10		
2/4/2010	780.15		85.70	665.10	98.00	713.50	19.40	678.10		
2/12/2010	783.40		85.70	665.10	97.90	713.60	19.40	678.10		
2/19/2010	784.00		85.70	665.10	97.70	713.80	19.40	678.10		
2/26/2010	784.45	2.69	85.70	665.10	97.60	713.90	19.40	678.10		
3/6/2010	785.60		85.70	665.10	97.40	714.10	19.30	678.20		
3/15/2010	786.20		85.70	665.10	96.90	714.60	19.30	678.20		
3/16/2010	786.30		85.70	665.10	96.80	714.70	19.30	678.20		
3/24/2010	786.20	2.03	85.70	665.10	96.00	715.50	19.30	678.20		
4/2/2010	785.80		85.70	665.10	95.00	716.50	19.30	678.20		
4/4/2010	785.80		85.70	665.10	95.00	716.50	19.30	678.20		
4/12/2010	787.40		85.70	665.10	95.00	716.50	19.30	678.20		
4/20/2010	790.10		85.70	665.10	95.00	716.50	19.30	678.20		
4/28/2010	792.60	1.19	85.70	665.10	95.00	716.50	19.30	678.20		
5/6/2010	792.90		85.70	665.10	95.00	716.50	19.30	678.20		
5/14/2010	792.40		85.70	665.10	93.30	718.20	19.30	678.20		
5/21/2010	792.10		85.70	665.10	91.90	719.60	19.30	678.20		
5/29/2010	791.70	0.00	85.70	665.10	89.40	722.10	19.30	678.20		
6/8/2010	791.00		85.70	665.10	88.90	722.60	19.30	678.20		

Notes:

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2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-7 Lower		No. 1		No. 2		No. 3	
Top Ref. Elev. (ft)			750.800		811.500		697.500		696.000	
Top Ref. Elev. (ft) After 5/21/2012			754.370		811.510		699.835		699.090	
Tip Elev. (ft)			664.700		695.310		677.700		654.000	
Total Depth (ft)			86.1		116.2		19.8		42.0	
Total Depth (ft) After 5/21/2012			89.7		116.2		22.1		45.1	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-7L		NO.1		NO.2		NO.3	
6/15/2010	790.60		85.70	665.10	88.70	722.80	19.30	678.20		
6/22/2010	790.10		85.70	665.10	88.50	723.00	19.30	678.20		
6/29/2010	789.70	0.00	85.70	665.10	88.40	723.10	19.30	678.20		
7/8/2010	789.20		85.70	665.10	88.40	723.10	19.30	678.20		
7/16/2010	788.70		85.70	665.10	88.50	723.00	19.30	678.20		
7/23/2010	788.30		85.70	665.10	88.60	722.90	19.30	678.20		
7/31/2010	787.70	0.00	85.70	665.10	88.70	722.80	19.30	678.20		
8/7/2010	787.30		85.70	665.10	89.10	722.40	19.30	678.20		
8/15/2010	786.70		85.70	665.10	89.30	722.20	19.30	678.20		
8/23/2010	786.10		85.70	665.10	89.50	722.00	19.30	678.20		
8/29/2010	785.60	0.00	85.70	665.10	89.70	721.80	19.30	678.20		
9/8/2010	784.90		85.70	665.10	90.00	721.50	19.30	678.20		
9/17/2010	784.20		85.70	665.10	90.30	721.20	19.30	678.20		
9/27/2010	783.50	0.00	85.70	665.10	90.60	720.90	19.30	678.20		
10/8/2010	782.80		85.70	665.10	90.80	720.70	19.30	678.20		
10/18/2010	782.20		85.70	665.10	91.20	720.30	19.30	678.20		
10/28/2010	782.00	1.76	85.70	665.10	91.50	720.00	19.30	678.20		
11/4/2010	781.70		85.70	665.10	91.70	719.80	19.30	678.20		
11/15/2010	781.10		85.70	665.10	91.80	719.70	19.30	678.20		
11/26/2010	780.80	1.33	85.70	665.10	92.00	719.50	19.30	678.20		
12/8/2010	780.50				92.10	719.40	19.30	678.20		
12/16/2010	780.40				92.30	719.20	19.30	678.20		
12/30/2010	792.60	11.72			89.80	721.70				
1/6/2011	792.20				89.80	721.70				
1/7/2011	792.20				89.80	721.70	20.10	677.40		
1/17/2011	792.00		85.70	665.10	87.20	724.30	20.00	677.50		
1/27/2011	791.80	1.11	85.70	665.10	87.50	724.00	20.00	677.50		

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-7 Lower		No. 1		No. 2		No. 3	
Top Ref. Elev. (ft)			750.800		811.500		697.500		696.000	
Top Ref. Elev. (ft) After 5/21/2012			754.370		811.510		699.835		699.090	
Tip Elev. (ft)			664.700		695.310		677.700		654.000	
Total Depth (ft)			86.1		116.2		19.8		42.0	
Total Depth (ft) After 5/21/2012			89.7		116.2		22.1		45.1	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-7L		NO.1		NO.2		NO.3	
2/5/2011	791.80		85.70	665.10	87.00	724.50	20.00	677.50		
2/15/2011	791.80		85.70	665.10	86.80	724.70	20.00	677.50		
2/23/2011	792.20	2.87	85.70	665.10	86.30	725.20	20.00	677.50		
3/8/2011	792.10		85.70	665.10	85.80	725.70	20.00	677.50		
3/19/2011	791.80		85.70	665.10	85.50	726.00	20.00	677.50		
3/30/2011	791.50	3.23	85.70	665.10	85.10	726.40	20.00	677.50		
4/7/2011	792.10		85.70	665.10	85.00	726.50	19.90	677.60		
4/16/2011	792.50		85.70	665.10	84.90	726.60	19.70	677.80		
4/23/2011	792.60		85.70	665.10	84.80	726.70	19.60	677.90		
4/30/2011	792.60	0.00	85.70	665.10	84.70	726.80	19.60	677.90		
5/9/2011	792.40		85.70	665.10	84.80	726.70	19.60	677.90		
5/16/2011	792.40		85.70	665.10	84.80	726.70	19.60	677.90		
5/24/2011	792.40		85.70	665.10	84.90	726.60	19.60	677.90		
5/31/2011	792.40	0.81	85.70	665.10	85.00	726.50	19.60	677.90		
6/8/2011	792.10		85.70	665.10	85.00	726.50	19.60	677.90		
6/16/2011	791.90		85.70	665.10	85.20	726.30	19.60	677.90		
6/23/2011	791.80		85.70	665.10	85.40	726.10	19.60	677.90		
6/30/2011	791.60	0.00	85.70	665.10	85.50	726.00	19.60	677.90		
7/8/2011	791.40		85.50	665.30	85.40	726.10	19.60	677.90		
7/14/2011	791.20		85.70	665.10	85.40	726.10	19.60	677.90		
7/21/2011	790.90		85.80	665.00	85.60	725.90	19.60	677.90		
7/30/2011	790.40	0.00	85.60	665.20	85.70	725.80	19.60	677.90		
8/9/2011	789.90		85.70	665.10	86.30	725.20	19.60	677.90		
8/15/2011	789.70		85.70	665.10	86.80	724.70	19.60	677.90		
8/24/2011	789.00		85.80	665.00	87.10	724.40	19.60	677.90		
9/1/2011	788.65	0.00	85.90	664.90	87.30	724.20	19.60	677.90		
9/9/2011	787.90		85.90	664.90	87.50	724.00	19.60	677.90		

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-7 Lower		No. 1		No. 2		No. 3	
Top Ref. Elev. (ft)			750.800		811.500		697.500		696.000	
Top Ref. Elev. (ft) After 5/21/2012			754.370		811.510		699.835		699.090	
Tip Elev. (ft)			664.700		695.310		677.700		654.000	
Total Depth (ft)			86.1		116.2		19.8		42.0	
Total Depth (ft) After 5/21/2012			89.7		116.2		22.1		45.1	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-7L		NO.1		NO.2		NO.3	
9/16/2011	787.30		86.00	664.80	87.80	723.70	19.60	677.90		
9/23/2011	787.00		86.00	664.80	88.20	723.30	19.60	677.90		
9/29/2011	786.80	0.08	86.10	664.70	88.60	722.90	19.60	677.90		
10/8/2011	786.60		86.10	664.70	88.70	722.80	19.60	677.90		
10/15/2011	786.40		86.00	664.80	88.80	722.70	19.60	677.90		
10/26/2011	786.00	1.29	86.10	664.70	90.00	721.50	18.10	679.40		
11/5/2011	785.50		86.00	664.80	90.20	721.30	18.20	679.30	34.00	662.00
11/14/2011	785.40		86.10	664.70	90.40	721.10	18.40	679.10	34.00	662.00
11/22/2011	785.10		86.00	664.80	90.60	720.90	18.30	679.20	35.00	661.00
11/30/2011	785.10	1.79	85.90	664.90	90.70	720.80	18.20	679.30	36.30	659.70
12/9/2011	784.80		85.90	664.90	90.80	720.70	18.30	679.20	36.30	659.70
12/17/2011	784.60		85.90	664.90	90.90	720.60	18.30	679.20	36.30	659.70
12/22/2011	784.50		85.80	665.00	91.10	720.40	18.40	679.10	36.30	659.70
12/30/2011	784.30	0.45	85.90	664.90	91.20	720.30	18.50	679.00	36.30	659.70
1/7/2012	784.00		85.80	665.00	91.30	720.20	18.60	678.90	36.30	659.70
1/14/2012	783.80		85.80	665.00	91.40	720.10	18.50	679.00	36.30	659.70
1/21/2012	783.60		85.80	665.00	91.60	719.90	18.60	678.90	36.30	659.70
1/28/2012	783.60	1.72	85.80	665.00	91.80	719.70	18.80	678.70	36.30	659.70
2/7/2012	783.40		85.80	665.00	89.00	722.50	18.40	679.10	36.40	659.60
2/15/2012	783.40		85.80	665.00	90.00	721.50	18.00	679.50	36.40	659.60
2/25/2012	783.40	0.62	85.80	665.00	90.10	721.40	17.80	679.70	36.40	659.60
3/5/2012	783.20		85.80	665.00	90.20	721.30	18.00	679.50	36.40	659.60
3/15/2012	782.70		85.80	665.00	90.40	721.10	18.60	678.90	36.50	659.50
3/22/2012	782.60	2.01	85.80	665.00	90.60	720.90	19.10	678.40	36.50	659.50
4/3/2012	782.50		85.80	665.00	92.60	718.90	19.10	678.40	36.50	659.50
4/12/2012	782.10		85.80	665.00	92.80	718.70	19.10	678.40	36.50	659.50
4/21/2012	782.00		85.80	665.00	93.10	718.40	19.20	678.30	36.50	659.50

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-7 Lower		No. 1		No. 2		No. 3	
Top Ref. Elev. (ft)			750.800		811.500		697.500		696.000	
Top Ref. Elev. (ft) After 5/21/2012			754.370		811.510		699.835		699.090	
Tip Elev. (ft)			664.700		695.310		677.700		654.000	
Total Depth (ft)			86.1		116.2		19.8		42.0	
Total Depth (ft) After 5/21/2012			89.7		116.2		22.1		45.1	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-7L		NO.1		NO.2		NO.3	
4/23/2012	781.90	1.32	85.80	665.00	93.10	718.40	19.20	678.30	36.50	659.50
5/1/2012	781.70		85.80	665.00	93.10	718.40	19.20	678.30	36.50	659.50
5/7/2012	781.30		85.80	665.00	93.00	718.50	19.20	678.30	36.50	659.50
5/21/2012	780.90		85.80	665.00	93.00	718.50	21.60	675.90	36.50	659.50
5/25/2012	780.00	0.06	87.20	667.17	93.00	718.51	21.60	678.24	39.80	659.29
6/4/2012	779.60		87.20	667.17	93.00	718.51	21.60	678.24	39.80	659.29
6/13/2012	778.70		87.20	667.17	93.50	718.01	21.30	678.54	39.80	659.29
6/20/2012	778.00		89.20	665.17	93.70	717.81	21.40	678.44	39.80	659.29
6/25/2012	777.30	0.00	89.10	665.27	93.90	717.61	21.40	678.44	39.80	659.29
7/4/2012	776.30		88.80	665.57	94.14	717.37	21.40	678.44	39.90	659.19
7/13/2012	775.70		88.70	665.67	94.40	717.11	21.30	678.54	39.90	659.19
7/20/2012	775.20		88.70	665.67	95.00	716.51	20.40	679.44	39.90	659.19
7/30/2012	775.00	0.10	88.80	665.57	95.20	716.31	20.40	679.44	40.00	659.09
8/8/2012	773.00		88.90	665.47	95.40	716.11	20.30	679.54	40.00	659.09
8/9/2012	772.90		88.90	665.47	95.40	716.11	20.30	679.54	40.00	659.09
8/18/2012	772.00		88.90	665.47	96.10	715.41	20.30	679.54	40.00	659.09
8/27/2012	771.10		89.00	665.37	96.50	715.01	20.40	679.44	40.00	659.09
8/29/2012	770.90	0.00	89.00	665.37	96.50	715.01	20.40	679.44	40.00	659.09
9/8/2012	769.80		89.00	665.37	96.50	715.01	20.40	679.44	40.00	659.09
9/15/2012	768.90		89.00	665.37	96.50	715.01	20.40	679.44	40.00	659.09
9/29/2012	767.80	0.00	89.00	665.37	96.50	715.01	20.40	679.44	40.00	659.09
10/11/2012	766.80		89.00	665.37	98.00	713.51	20.40	679.44	40.10	658.99
10/23/2012	765.90	1.10	89.00	665.37	99.20	712.31	20.40	679.44	40.10	658.99
11/12/2012	764.60		88.90	665.47	99.20	712.31	20.40	679.44	40.10	658.99
11/23/2012	764.30	0.16	88.90	665.47	99.80	711.71	20.40	679.44	40.10	658.99
12/12/2012	764.50	2.46	88.90	665.47	99.90	711.61	20.40	679.44	40.10	658.99
12/27/2012	769.10		88.90	665.47	100.70	710.81	20.40	679.44	40.40	658.69

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-7 Lower		No. 1		No. 2		No. 3	
Top Ref. Elev. (ft)			750.800		811.500		697.500		696.000	
Top Ref. Elev. (ft) After 5/21/2012			754.370		811.510		699.835		699.090	
Tip Elev. (ft)			664.700		695.310		677.700		654.000	
Total Depth (ft)			86.1		116.2		19.8		42.0	
Total Depth (ft) After 5/21/2012			89.7		116.2		22.1		45.1	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-7L		NO.1		NO.2		NO.3	
1/16/2013	770.40		88.90	665.47	99.00	712.51	20.40	679.44	40.10	658.99
1/28/2013	769.90	1.82	88.90	665.47	101.00	710.51	20.40	679.44	40.40	658.69
2/15/2013	769.60		88.90	665.47	104.00	707.51	20.40	679.44	40.10	658.99
2/26/2013	769.40	0.68	88.90	665.47	107.00	704.51	21.00	678.84	40.40	658.69
3/13/2013	768.80		89.00	665.37	100.00	711.51	20.50	679.34	40.40	658.69
3/26/2013	768.60	0.66	88.70	665.67	100.00	711.51	20.50	679.34	40.40	658.69
4/10/2013	771.10		88.70	665.67	100.00	711.51	20.50	679.34	40.40	658.69
4/30/2013	772.20	0.00	88.70	665.67	100.00	711.51	20.40	679.44	40.40	658.69
5/9/2013	771.90		89.00	665.37	101.30	710.21	21.10	678.74	40.40	658.69
5/15/2013	771.70		89.00	665.37	101.30	710.21	21.10	678.74	40.40	658.69
5/22/2013	771.40		89.00	665.37	101.30	710.21	21.10	678.74	40.40	658.69
5/30/2013	771.00	0.00	88.20	666.17	101.10	710.41	21.10	678.74	40.40	658.69
6/6/2013	770.80		88.80	665.57	101.30	710.21	21.10	678.74	40.40	658.69
6/13/2013	769.30		88.70	665.67	101.30	710.21	21.10	678.74	40.40	658.69
6/20/2013	769.00		88.70	665.67	101.30	710.21	21.10	678.74	40.40	658.69
6/26/2013	768.60	0.00	88.20	666.17	101.30	710.21	21.10	678.74	40.40	658.69
7/2/2013	767.80		88.80	665.57	101.30	710.21	21.10	678.74	40.40	658.69
7/10/2013	766.90		88.80	665.57	101.30	710.21	21.10	678.74	40.40	658.69
7/16/2013	766.50		88.70	665.67	101.40	710.11	21.10	678.74	40.40	658.69
7/29/2013	765.20	0.00	88.70	665.67	101.50	710.01	21.10	678.74	40.40	658.69
8/5/2013	764.50		88.80	665.57	101.70	709.81	21.10	678.74	40.40	658.69
8/12/2013	763.80		88.80	665.57	101.70	709.81	21.10	678.74	40.40	658.69
8/19/2013	763.30		88.80	665.57	101.70	709.81	21.10	678.74	40.40	658.69
8/26/2013	762.40	0.00	88.80	665.57	101.70	709.81	21.10	678.74	40.40	658.69
9/2/2013	761.50		88.80	665.57	101.70	709.81	21.10	678.74	40.40	658.69
9/10/2013	760.70		88.80	665.57	102.30	709.21	21.10	678.74	40.40	658.69
9/17/2013	759.90		88.80	665.57	102.30	709.21	21.10	678.74	40.40	658.69

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-7 Lower		No. 1		No. 2		No. 3	
Top Ref. Elev. (ft)			750.800		811.500		697.500		696.000	
Top Ref. Elev. (ft) After 5/21/2012			754.370		811.510		699.835		699.090	
Tip Elev. (ft)			664.700		695.310		677.700		654.000	
Total Depth (ft)			86.1		116.2		19.8		42.0	
Total Depth (ft) After 5/21/2012			89.7		116.2		22.1		45.1	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-7L		NO.1		NO.2		NO.3	
9/23/2013	759.40		88.80	665.57	102.30	709.21	21.10	678.74	40.40	658.69
9/30/2013	758.70	0.00	88.80	665.57	102.60	708.91	21.10	678.74	40.40	658.69
10/7/2013	758.30		88.80	665.57	102.60	708.91	21.10	678.74	40.40	658.69
10/14/2013	757.60		88.80	665.57	102.90	708.61	21.10	678.74	40.40	658.69
10/21/2013	756.60		88.80	665.57	102.90	708.61	21.40	678.44	40.40	658.69
10/28/2013	756.00	0.00	88.80	665.57	103.00	708.51	21.40	678.44	40.70	658.39
11/4/2013	755.70		88.80	665.57	103.10	708.41	21.10	678.74	40.60	658.49
11/11/2013	756.10		88.80	665.57	103.10	708.41	21.10	678.74	40.60	658.49
11/18/2013	755.70		88.70	665.67	103.40	708.11	20.50	679.34	40.60	658.49
11/25/2013	755.40	0.55	88.70	665.67	103.40	708.11	20.50	679.34	40.60	658.49
12/2/2013	755.30		88.70	665.67	103.50	708.01	20.60	679.24	40.60	658.49
12/10/2013	755.40		88.70	665.67	103.60	707.91	20.60	679.24	40.60	658.49
12/16/2013	755.20		88.70	665.67	103.60	707.91	20.60	679.24	40.60	658.49
12/23/2013	755.20		88.70	665.67	103.80	707.71	20.80	679.04	40.60	658.49
12/30/2013	754.80	0.83	88.70	665.67	104.00	707.51	21.20	678.64	40.70	658.39
1/6/2014	754.50		89.60	664.77	104.00	707.51	21.50	678.34	40.70	658.39
1/13/2014	755.00		88.70	665.67	104.20	707.31	21.50	678.34	40.70	658.39
1/20/2014	754.60		88.70	665.67	104.20	707.31	21.50	678.34	40.70	658.39
1/27/2014	754.30	0.00	88.70	665.67	104.20	707.31	21.50	678.34	40.70	658.39
2/3/2014	754.10		88.70	665.67	104.20	707.31	21.50	678.34	40.70	658.39
2/10/2014	754.70		88.70	665.67	104.30	707.21	21.50	678.34	40.70	658.39
2/17/2014	754.50		88.70	665.67	104.30	707.21	21.50	678.34	40.70	658.39
2/24/2014	754.20	0.83	88.70	665.67	104.30	707.21	21.50	678.34	40.70	658.39
3/3/2014	754.50		88.70	665.67	104.30	707.21	21.50	678.34	40.70	658.39
3/10/2014	755.20		88.70	665.67	104.50	707.01	21.50	678.34	40.70	658.39
3/19/2014	755.90		88.70	665.67	104.50	707.01	21.50	678.34	40.70	658.39
3/25/2014	758.80		88.70	665.67	104.50	707.01	21.50	678.34	40.70	658.39

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-7 Lower		No. 1		No. 2		No. 3	
Top Ref. Elev. (ft)			750.800		811.500		697.500		696.000	
Top Ref. Elev. (ft) After 5/21/2012			754.370		811.510		699.835		699.090	
Tip Elev. (ft)			664.700		695.310		677.700		654.000	
Total Depth (ft)			86.1		116.2		19.8		42.0	
Total Depth (ft) After 5/21/2012			89.7		116.2		22.1		45.1	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-7L		NO.1		NO.2		NO.3	
3/29/2014	760.50		88.70	665.67	104.80	706.71	21.50	678.34	40.70	658.39
3/31/2014	761.60	1.85	88.70	665.67	104.80	706.71	21.50	678.34	40.70	658.39
4/1/2014	762.00		88.70	665.67	104.60	706.91	21.50	678.34	40.70	658.39
4/8/2014	764.70		88.70	665.67	104.60	706.91	21.50	678.34	40.70	658.39
4/15/2014	766.60		88.70	665.67	104.60	706.91	21.50	678.34	40.70	658.39
4/22/2014	768.60		88.70	665.67	104.60	706.91	21.50	678.34	40.70	658.39
4/29/2014	770.40	0.88	88.70	665.67	104.60	706.91	21.50	678.34	40.70	658.39
5/5/2014	769.70		88.70	665.67	104.60	706.91	21.50	678.34	40.70	658.39
5/12/2014	769.00		88.70	665.67	104.50	707.01	21.50	678.34	40.70	658.39
5/19/2014	768.00		88.70	665.67	104.50	707.01	21.50	678.34	40.70	658.39
5/26/2014	767.10	0.00	88.70	665.67	104.50	707.01	21.50	678.34	40.70	658.39
6/2/2014	766.20		88.70	665.67	104.30	707.21	21.50	678.34	40.70	658.39
6/9/2014	765.40		88.70	665.67	104.30	707.21	21.50	678.34	40.70	658.39
6/16/2014	764.30		88.70	665.67	104.30	707.21	21.50	678.34	40.70	658.39
6/23/2014	763.10		88.70	665.67	104.30	707.21	21.50	678.34	40.70	658.39
6/27/2014	762.30	0.00	88.70	665.67	104.30	707.21	21.50	678.34	40.70	658.39
7/7/2014	760.90		88.70	665.67	104.30	707.21	21.50	678.34	40.70	658.39
7/14/2014	760.00		88.70	665.67	104.30	707.21	21.50	678.34	40.70	658.39
7/21/2014	759.10		88.70	665.67	104.40	707.11	21.50	678.34	40.70	658.39
7/28/2014	757.90	0.06	88.70	665.67	104.40	707.11	21.50	678.34	40.70	658.39
8/4/2014	756.80		88.70	665.67	104.50	707.01	21.50	678.34	40.70	658.39
8/11/2014	755.60		88.70	665.67	104.50	707.01	21.50	678.34	40.70	658.39
8/18/2014	754.70		88.70	665.67	104.60	706.91	21.50	678.34	40.70	658.39
8/25/2014	753.30	0.05	88.70	665.67	104.60	706.91	21.50	678.34	40.70	658.39
9/2/2014	751.60		88.70	665.67	104.80	706.71	21.60	678.24	40.70	658.39
9/8/2014	750.50		88.70	665.67	104.80	706.71	21.60	678.24	40.70	658.39
9/15/2014	749.40		88.70	665.67	104.80	706.71	21.60	678.24	40.70	658.39

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-7 Lower		No. 1		No. 2		No. 3	
Top Ref. Elev. (ft)			750.800		811.500		697.500		696.000	
Top Ref. Elev. (ft) After 5/21/2012			754.370		811.510		699.835		699.090	
Tip Elev. (ft)			664.700		695.310		677.700		654.000	
Total Depth (ft)			86.1		116.2		19.8		42.0	
Total Depth (ft) After 5/21/2012			89.7		116.2		22.1		45.1	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-7L		NO.1		NO.2		NO.3	
9/22/2014	748.30		88.70	665.67	105.10	706.41	21.60	678.24	40.70	658.39
9/29/2014	747.20	0.00	88.70	665.67	105.30	706.21	21.60	678.24	40.70	658.39
10/6/2014	745.70		88.70	665.67	105.10	706.41	21.60	678.24	40.70	658.39
10/13/2014	746.70		88.70	665.67	105.50	706.01	21.60	678.24	40.70	658.39
10/20/2014	746.60		88.70	665.67	105.60	705.91	21.60	678.24	40.70	658.39
10/27/2014	745.80	0.00	88.70	665.67	105.70	705.81	21.60	678.24	40.70	658.39
11/3/2014	746.40		88.70	665.67	105.70	705.81	21.60	678.24	40.70	658.39
11/10/2014	747.20		88.70	665.67	105.70	705.81	21.60	678.24	40.70	658.39
11/17/2014	747.70		88.70	665.67	105.70	705.81	21.60	678.24	40.70	658.39
11/24/2014	748.80	0.61	88.70	665.67	105.90	705.61	21.60	678.24	40.70	658.39
12/1/2014	748.30		88.70	665.67	106.10	705.41	21.70	678.14	40.70	658.39
12/8/2014	749.10		88.70	665.67	106.10	705.41	21.50	678.34	40.70	658.39
12/15/2014	749.80		88.70	665.67	106.10	705.41	21.50	678.34	40.70	658.39
12/29/2014	750.90	5.37	88.70	665.67	106.30	705.21	21.50	678.34	40.70	658.39
1/5/2015	751.30		88.70	665.67	106.30	705.21	21.50	678.34	40.80	658.29
1/12/2015	751.80		88.70	665.67	106.30	705.21	21.50	678.34	40.80	658.29
1/19/2015	752.30		88.70	665.67	106.30	705.21	21.50	678.34	40.80	658.29
1/26/2015	752.60	1.48	88.70	665.67	106.30	705.21	21.50	678.34	40.80	658.29
2/4/2015	753.10		88.70	665.67	106.30	705.21	21.50	678.34	40.80	658.29
2/9/2015	753.30		88.70	665.67	106.30	705.21	21.50	678.34	40.80	658.29
2/16/2015	753.80		88.70	665.67	106.40	705.11	21.50	678.34	41.30	657.79
2/23/2015	753.90	0.44	88.70	665.67	106.40	705.11	21.50	678.34	41.30	657.79
3/2/2015	754.50		88.70	665.67	106.40	705.11	21.50	678.34	41.30	657.79
3/9/2015	755.00		88.70	665.67	106.40	705.11	21.50	678.34	41.30	657.79
3/16/2015	755.30		88.70	665.67	106.50	705.01	21.50	678.34	41.30	657.79
3/23/2015	755.50		88.70	665.67	106.50	705.01	21.50	678.34	41.30	657.79
3/30/2015	755.70	0.57	88.70	665.67	106.50	705.01	21.50	678.34	41.30	657.79

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-7 Lower		No. 1		No. 2		No. 3	
Top Ref. Elev. (ft)			750.800		811.500		697.500		696.000	
Top Ref. Elev. (ft) After 5/21/2012			754.370		811.510		699.835		699.090	
Tip Elev. (ft)			664.700		695.310		677.700		654.000	
Total Depth (ft)			86.1		116.2		19.8		42.0	
Total Depth (ft) After 5/21/2012			89.7		116.2		22.1		45.1	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-7L		NO.1		NO.2		NO.3	
4/6/2015	755.60		88.70	665.67	106.50	705.01	21.50	678.34	41.30	657.79
4/13/2015	755.80		88.70	665.67	106.50	705.01	21.50	678.34	41.30	657.79
4/20/2015	755.90		88.70	665.67	106.50	705.01	21.50	678.34	41.30	657.79
4/27/2015	755.90	0.20	88.70	665.67	106.50	705.01	21.50	678.34	41.30	657.79
5/4/2015	755.60		88.70	665.67	106.50	705.01	21.50	678.34	41.30	657.79
5/11/2015	755.30		88.70	665.67	106.50	705.01	21.50	678.34	41.30	657.79
5/18/2015	755.20		88.70	665.67	106.50	705.01	21.50	678.34	41.30	657.79
5/26/2015	755.30	0.95	88.70	665.67	106.50	705.01	21.50	678.34	41.30	657.79
6/1/2015	755.20		88.90	665.47	106.60	704.91	21.50	678.34	41.30	657.79
6/8/2015	755.10		88.90	665.47	106.60	704.91	21.50	678.34	41.30	657.79
6/15/2015	755.20		88.90	665.47	106.70	704.81	21.50	678.34	41.30	657.79
6/22/2015	754.80		88.90	665.47	106.70	704.81	21.50	678.34	41.30	657.79
6/29/2015	754.20	0.00	88.90	665.47	106.70	704.81	21.50	678.34	41.30	657.79
7/10/2015	753.30		88.60	665.77	106.80	704.71	21.50	678.34	39.90	659.19
7/15/2015	753.00		88.60	665.77	106.80	704.71	21.50	678.34	39.90	659.19
7/21/2015	752.80		88.60	665.77	106.80	704.71	21.50	678.34	39.90	659.19
7/28/2015	752.40	0.00	88.60	665.77	106.90	704.61	21.50	678.34	41.30	657.79
8/4/2015	752.00		88.60	665.77	106.90	704.61	21.50	678.34	41.30	657.79
8/11/2015	751.60		88.90	665.47	106.70	704.81	21.50	678.34	41.20	657.89
8/18/2015	751.10		88.90	665.47	106.70	704.81	21.50	678.34	41.20	657.89
8/25/2015	750.60	0.00	88.70	665.67	106.70	704.81	21.50	678.34	41.10	657.99
9/1/2015	749.90		88.70	665.67	107.00	704.51	21.50	678.34	41.10	657.99
9/8/2015	749.00		88.70	665.67	107.10	704.41	21.60	678.24	41.30	657.79
9/15/2015	748.70		88.70	665.67	107.10	704.41	21.60	678.24	41.30	657.79
9/22/2015	748.40		88.70	665.67	107.10	704.41	21.60	678.24	41.30	657.79
9/29/2015	748.00	2.27	88.70	665.67	107.10	704.41	21.60	678.24	41.30	657.79
10/6/2015	747.60		88.70	665.67	107.10	704.41	21.60	678.24	41.30	657.79

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-7 Lower		No. 1		No. 2		No. 3	
Top Ref. Elev. (ft)			750.800		811.500		697.500		696.000	
Top Ref. Elev. (ft) After 5/21/2012			754.370		811.510		699.835		699.090	
Tip Elev. (ft)			664.700		695.310		677.700		654.000	
Total Depth (ft)			86.1		116.2		19.8		42.0	
Total Depth (ft) After 5/21/2012			89.7		116.2		22.1		45.1	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-7L		NO.1		NO.2		NO.3	
10/13/2015	747.10		89.00	665.37	107.30	704.21	21.60	678.24	41.30	657.79
10/20/2015	746.70		89.00	665.37	107.30	704.21	21.60	678.24	41.30	657.79
10/27/2015	746.00	0.56	89.00	665.37	107.30	704.21	21.60	678.24	41.30	657.79
11/4/2015	745.70		89.00	665.37	107.50	704.01	21.60	678.24	41.30	657.79
11/11/2015	745.20		89.00	665.37	107.50	704.01	21.60	678.24	41.30	657.79
11/18/2015	744.80		88.60	665.77	107.60	703.91	21.60	678.24	41.30	657.79
11/25/2015	744.20	0.12	88.60	665.77	107.50	704.01	21.60	678.24	41.30	657.79
12/1/2015	743.70		88.60	665.77	107.70	703.81	21.60	678.24	41.30	657.79
12/8/2015	743.10		88.60	665.77	107.70	703.81	21.60	678.24	41.30	657.79
12/15/2015	742.70		88.60	665.77	107.90	703.61	21.60	678.24	41.30	657.79
12/22/2015	742.30		88.60	665.77	107.90	703.61	21.60	678.24	41.30	657.79
12/29/2015	742.10	1.29	89.00	665.37	108.00	703.51	21.60	678.24	41.30	657.79
1/5/2016	741.70		88.60	665.77	108.00	703.51	21.60	678.24	41.30	657.79
1/12/2016	742.30		88.60	665.77	108.00	703.51	21.60	678.24	41.30	657.79
1/19/2016	742.00		88.60	665.77	108.00	703.51	21.60	678.24	41.30	657.79
1/26/2016	741.80	3.51	88.60	665.77	108.10	703.41	21.60	678.24	41.30	657.79
2/2/2016	741.40		88.60	665.77	108.10	703.41	21.60	678.24	41.30	657.79
2/9/2016	741.00		88.60	665.77	108.10	703.41	21.60	678.24	41.30	657.79
2/16/2016	740.50		88.60	665.77	108.10	703.41	21.60	678.24	41.30	657.79
2/23/2016	740.20	0.35	88.60	665.77	108.10	703.41	21.60	678.24	41.30	657.79
3/1/2016	739.70		88.60	665.77	108.10	703.41	21.60	678.24	41.30	657.79
3/9/2016	739.40		88.60	665.77	108.20	703.31	21.60	678.24	41.30	657.79
3/17/2016	739.30		88.60	665.77	108.20	703.31	21.60	678.24	41.30	657.79
3/23/2016	739.10		88.80	665.57	108.30	703.21	21.60	678.24	41.30	657.79
3/30/2016	738.50	1.59	89.00	665.37	108.30	703.21	21.60	678.24	41.30	657.79
4/6/2016	738.00		89.00	665.37	108.30	703.21	21.60	678.24	41.30	657.79
4/13/2016	737.60		89.00	665.37	108.40	703.11	21.60	678.24	41.30	657.79

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-7 Lower		No. 1		No. 2		No. 3	
Top Ref. Elev. (ft)			750.800		811.500		697.500		696.000	
Top Ref. Elev. (ft) After 5/21/2012			754.370		811.510		699.835		699.090	
Tip Elev. (ft)			664.700		695.310		677.700		654.000	
Total Depth (ft)			86.1		116.2		19.8		42.0	
Total Depth (ft) After 5/21/2012			89.7		116.2		22.1		45.1	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-7L		NO.1		NO.2		NO.3	
4/20/2016	736.90		89.00	665.37	108.40	703.11	21.60	678.24	41.30	657.79
4/27/2016	736.20	0.07	89.00	665.37	108.40	703.11	21.60	678.24	41.30	657.79
5/4/2016	736.90		89.00	665.37	108.50	703.01	21.60	678.24	41.30	657.79
5/11/2016	737.50		89.00	665.37	108.50	703.01	21.60	678.24	41.30	657.79
5/18/2016	737.00		89.00	665.37	108.50	703.01	21.60	678.24	41.30	657.79
5/25/2016	737.60	1.21	89.00	665.37	108.50	703.01	21.60	678.24	41.30	657.79
6/1/2016	737.60		89.00	665.37	108.50	703.01	21.60	678.24	41.30	657.79
6/8/2016	737.90		89.00	665.37	108.50	703.01	21.60	678.24	41.30	657.79
6/15/2016	738.00		88.60	665.77	108.50	703.01	21.60	678.24	41.30	657.79
6/23/2016	737.70		88.40	665.97	108.60	702.91	21.60	678.24	41.30	657.79
6/29/2016	737.50	0.00	88.50	665.87	108.60	702.91	21.60	678.24	41.30	657.79
7/6/2016	737.40		88.50	665.87	108.60	702.91	21.60	678.24	41.30	657.79
7/15/2016	737.40		88.50	665.87	108.70	702.81	21.60	678.24	41.30	657.79
7/20/2016	737.10		89.00	665.37	108.70	702.81	21.60	678.24	41.30	657.79
7/27/2016	736.70	0.00	89.00	665.37	108.70	702.81	21.60	678.24	41.30	657.79
8/3/2016	736.90		88.40	665.97	108.70	702.81	21.60	678.24	41.30	657.79
8/10/2016	737.10		88.40	665.97	108.80	702.71	21.60	678.24	41.30	657.79
8/17/2016	736.60		89.00	665.37	108.90	702.61	21.60	678.24	41.30	657.79
8/24/2016	736.70		90.00	664.37	108.90	702.61	21.60	678.24	41.30	657.79
8/30/2016	736.70	0.00	91.00	663.37	108.90	702.61	21.60	678.24	41.30	657.79
9/7/2016	737.30		89.00	665.37	108.90	702.61	21.70	678.14	41.30	657.79
9/14/2016	737.90		89.00	665.37	109.10	702.41	21.50	678.34	41.30	657.79
9/21/2016	738.80		89.00	665.37	109.10	702.41	21.70	678.14	41.30	657.79
9/28/2016	739.60	0.00	89.00	665.37	109.10	702.41	21.70	678.14	41.30	657.79
10/5/2016	739.50		89.00	665.37	109.10	702.41	21.70	678.14	41.30	657.79
10/12/2016	739.20		89.00	665.37	109.10	702.41	21.70	678.14	41.30	657.79
10/19/2016	739.30		89.00	665.37	109.10	702.41	21.70	678.14	41.30	657.79

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-7 Lower		No. 1		No. 2		No. 3	
Top Ref. Elev. (ft)			750.800		811.500		697.500		696.000	
Top Ref. Elev. (ft) After 5/21/2012			754.370		811.510		699.835		699.090	
Tip Elev. (ft)			664.700		695.310		677.700		654.000	
Total Depth (ft)			86.1		116.2		19.8		42.0	
Total Depth (ft) After 5/21/2012			89.7		116.2		22.1		45.1	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-7L		NO.1		NO.2		NO.3	
10/26/2016	740.00	0.89	89.00	665.37	109.10	702.41	21.70	678.14	41.30	657.79
11/2/2016	741.80		89.00	665.37	109.10	702.41	21.70	678.14	41.30	657.79
11/9/2016	741.80		89.00	665.37	109.20	702.31	21.50	678.34	41.30	657.79
11/16/2016	744.00		89.00	665.37	109.20	702.31	21.50	678.34	41.30	657.79
11/23/2016	747.60		89.00	665.37	109.20	702.31	21.50	678.34	41.30	657.79
11/29/2016	750.90	1.62	89.00	665.37	109.20	702.31	21.50	678.34	41.30	657.79
12/7/2016	753.40		89.00	665.37	109.20	702.31	21.50	678.34	41.30	657.79
12/14/2016	753.70		88.60	665.77	109.20	702.31	21.50	678.34	41.30	657.79
12/21/2016	755.60		88.60	665.77	109.20	702.31	21.50	678.34	41.30	657.79
12/28/2016	757.00	4.37	88.60	665.77	109.20	702.31	21.50	678.34	41.30	657.79
1/4/2017	757.50		88.60	665.77	109.20	702.31	21.50	678.34	41.30	657.79
1/13/2017	758.10		88.60	665.77	109.20	702.31	21.50	678.34	41.30	657.79
1/18/2017	758.30		88.60	665.77	109.20	702.31	21.50	678.34	41.30	657.79
1/25/2017	758.00	6.73	88.60	665.77	109.20	702.31	21.50	678.34	39.50	659.59
2/1/2017	769.10		88.60	665.77	109.20	702.31	21.50	678.34	39.50	659.59
2/8/2017	769.70		88.60	665.77	108.90	702.61	21.50	678.34	40.20	658.89
2/15/2017	770.10		88.60	665.77	109.00	702.51	21.50	678.34	40.00	659.09
2/22/2017	771.80	4.17	88.60	665.77	108.80	702.71	21.50	678.34	40.10	658.99
3/1/2017	771.90		88.60	665.77	108.80	702.71	21.50	678.34	40.10	658.99
3/8/2017	771.20		88.60	665.77	108.60	702.91	21.50	678.34	40.10	658.99
3/15/2017	770.60		88.60	665.77	108.40	703.11	21.50	678.34	40.30	658.79
3/22/2017	769.60		88.60	665.77	108.30	703.21	21.50	678.34	40.40	658.69
3/29/2017	768.40	0.13	88.60	665.77	107.90	703.61	21.50	678.34	40.60	658.49
4/5/2017	769.10		88.60	665.77	107.90	703.61	20.50	679.34	40.60	658.49
4/12/2017	768.00		88.60	665.77	107.90	703.61	20.50	679.34	40.80	658.29
4/19/2017	767.90		88.60	665.77	107.80	703.71	20.50	679.34	40.80	658.29
4/26/2017	767.70	0.07	88.60	665.77	107.90	703.61	20.50	679.34	40.80	658.29

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-7 Lower		No. 1		No. 2		No. 3	
Top Ref. Elev. (ft)			750.800		811.500		697.500		696.000	
Top Ref. Elev. (ft) After 5/21/2012			754.370		811.510		699.835		699.090	
Tip Elev. (ft)			664.700		695.310		677.700		654.000	
Total Depth (ft)			86.1		116.2		19.8		42.0	
Total Depth (ft) After 5/21/2012			89.7		116.2		22.1		45.1	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-7L		NO.1		NO.2		NO.3	
5/1/2017	767.40		88.60	665.77	107.90	703.61	20.50	679.34	40.80	658.29
5/10/2017	766.50		88.60	665.77	107.60	703.91	20.50	679.34	40.80	658.29
5/17/2017	765.90		88.90	665.47	107.50	704.01	20.50	679.34	40.80	658.29
5/24/2017	765.70		88.90	665.47	107.50	704.01	20.50	679.34	40.80	658.29
5/30/2017	765.50	0.36	88.90	665.47	107.50	704.01	20.50	679.34	40.80	658.29
6/7/2017	765.30		88.90	665.47	107.50	704.01	20.50	679.34	40.80	658.29
6/14/2017	765.10		88.90	665.47	107.30	704.21	20.50	679.34	40.80	658.29
6/21/2017	764.80		88.90	665.47	107.20	704.31	20.50	679.34	40.80	658.29
6/28/2017	764.70	0.05	88.90	665.47	107.10	704.41	21.00	678.84	40.80	658.29
7/5/2017	764.20		89.00	665.37	107.10	704.41	20.50	679.34	40.80	658.29
7/12/2017	763.80		89.00	665.37	107.10	704.41	20.50	679.34	40.60	658.49
7/19/2017	763.20		89.00	665.37	107.10	704.41	20.50	679.34	40.60	658.49
7/26/2017	762.70	0.00	89.00	665.37	107.10	704.41	20.50	679.34	40.60	658.49
8/2/2017	761.90		89.00	665.37	107.10	704.41	20.50	679.34	40.60	658.49
8/9/2017	761.60		89.00	665.37	107.10	704.41	20.50	679.34	40.60	658.49
8/16/2017	761.20		89.00	665.37	107.10	704.41	20.50	679.34	40.60	658.49
8/23/2017	760.60		89.00	665.37	107.10	704.41	20.50	679.34	40.60	658.49
8/30/2017	759.80	0.05	89.00	665.37	107.10	704.41	20.50	679.34	40.60	658.49
9/6/2017	758.90		90.00	664.37	107.10	704.41	20.50	679.34	40.60	658.49
9/13/2017	758.70		91.00	663.37	107.20	704.31	20.60	679.24	40.70	658.39
9/20/2017	758.30		88.50	665.87	107.20	704.31	20.60	679.24	40.60	658.49
9/27/2017	757.80	0.00	88.50	665.87	107.20	704.31	20.60	679.24	40.60	658.49
10/4/2017	757.60		88.50	665.87	107.10	704.41	20.60	679.24	40.60	658.49
10/10/2017	757.10		88.80	665.57	107.20	704.31	20.60	679.24	40.60	658.49
10/18/2017	756.90		88.80	665.57	107.30	704.21	20.60	679.24	40.60	658.49
10/25/2017	756.60	0.00	88.80	665.57	107.00	704.51	20.60	679.24	40.60	658.49
11/1/2017	755.70		88.80	665.57	107.40	704.11	20.60	679.24	40.60	658.49

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-7 Lower		No. 1		No. 2		No. 3	
Top Ref. Elev. (ft)			750.800		811.500		697.500		696.000	
Top Ref. Elev. (ft) After 5/21/2012			754.370		811.510		699.835		699.090	
Tip Elev. (ft)			664.700		695.310		677.700		654.000	
Total Depth (ft)			86.1		116.2		19.8		42.0	
Total Depth (ft) After 5/21/2012			89.7		116.2		22.1		45.1	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-7L		NO.1		NO.2		NO.3	
11/8/2017	755.30		88.80	665.57	107.50	704.01	20.30	679.54	40.60	658.49
11/15/2017	755.10	0.29	88.80	665.57	107.50	704.01	20.30	679.54	40.60	658.49
12/6/2017	754.20		88.80	665.57	107.20	704.31	20.60	679.24	40.60	658.49
12/13/2017	753.90		88.80	665.57	107.80	703.71	20.60	679.24	40.60	658.49
12/20/2017	753.60		88.80	665.57	107.90	703.61	20.60	679.24	40.60	658.49
12/27/2017	753.30	0.00	88.80	665.57	107.90	703.61	20.60	679.24	40.60	658.49
1/3/2018	753.10		88.80	665.57	107.90	703.61	20.60	679.24	40.60	658.49
1/10/2018	753.10		88.80	665.57	107.90	703.61	20.60	679.24	40.60	658.49
1/17/2018	753.00		88.80	665.57	107.90	703.61	20.60	679.24	40.60	658.49
1/24/2018	752.80		88.80	665.57	107.90	703.61	20.60	679.24	40.60	658.49
1/30/2018	752.60	1.79	88.80	665.57	107.90	703.61	20.60	679.24	40.60	658.49
2/7/2018	752.30		88.80	665.57	107.90	703.61	20.60	679.24	40.60	658.49
2/14/2018	751.80		88.40	665.97	107.90	703.61	20.50	679.34	40.70	658.39
2/21/2018	750.20		88.40	665.97	108.00	703.51	20.50	679.34	40.80	658.29
2/27/2018	750.30	0.60	88.40	665.97	108.10	703.41	20.50	679.34	40.80	658.29
3/7/2018	750.20		88.40	665.97	108.10	703.41	20.50	679.34	40.80	658.29
3/15/2018	750.10		88.40	665.97	108.20	703.31	20.50	679.34	40.80	658.29
3/21/2018	750.80		88.40	665.97	108.20	703.31	20.50	679.34	41.00	658.09
3/28/2018	750.90	0.56	88.40	665.97	108.20	703.31	20.50	679.34	41.00	658.09
4/4/2018	751.70		88.40	665.97	108.20	703.31	20.50	679.34	41.00	658.09
4/11/2018	751.70		88.50	665.87	108.30	703.21	20.50	679.34	41.00	658.09
4/18/2018	750.80		88.50	665.87	108.30	703.21	20.50	679.34	41.00	658.09
4/25/2018	749.50	0.05	88.50	665.87	108.30	703.21	20.50	679.34	41.00	658.09
5/1/2018	750.50		88.50	665.87	108.40	703.11	20.50	679.34	41.00	658.09
5/8/2018	749.40		88.50	665.87	108.50	703.01	20.50	679.34	41.00	658.09
5/15/2018	748.30		88.50	665.87	108.50	703.01	20.50	679.34	41.00	658.09
5/22/2018	747.00		88.50	665.87	108.50	703.01	20.50	679.34	41.00	658.09

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-7 Lower		No. 1		No. 2		No. 3	
Top Ref. Elev. (ft)			750.800		811.500		697.500		696.000	
Top Ref. Elev. (ft) After 5/21/2012			754.370		811.510		699.835		699.090	
Tip Elev. (ft)			664.700		695.310		677.700		654.000	
Total Depth (ft)			86.1		116.2		19.8		42.0	
Total Depth (ft) After 5/21/2012			89.7		116.2		22.1		45.1	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-7L		NO.1		NO.2		NO.3	
5/29/2018	745.60	0.32	88.50	665.87	108.40	703.11	20.50	679.34	41.00	658.09
6/6/2018	744.70		88.50	665.87	108.40	703.11	20.50	679.34	41.00	658.09
6/13/2018	743.70		88.70	665.67	108.50	703.01	20.50	679.34	40.90	658.19
6/20/2018	742.50		88.70	665.67	108.50	703.01	20.50	679.34	40.90	658.19
6/27/2018	741.20	0.00	88.70	665.67	108.50	703.01	20.50	679.34	41.00	658.09
7/5/2018	739.80		88.70	665.67	108.60	702.91	20.50	679.34	41.00	658.09
7/11/2018	738.70		88.70	665.67	108.80	702.71	20.50	679.34	41.00	658.09
7/18/2018	738.50		88.70	665.67	108.80	702.71	20.50	679.34	41.00	658.09
7/25/2018	738.40	0.00	88.70	665.67	108.90	702.61	20.50	679.34	41.00	658.09
8/1/2018	738.10		88.70	665.67	108.80	702.71	20.50	679.34	41.00	658.09
8/8/2018	737.80		88.70	665.67	108.90	702.61	20.50	679.34	41.00	658.09
8/15/2018	737.70		88.70	665.67	108.90	702.61	20.50	679.34	41.00	658.09
8/22/2018	737.90		88.70	665.67	108.90	702.61	20.50	679.34	41.00	658.09
8/29/2018	737.90	0.00	88.70	665.67	108.90	702.61	20.50	679.34	41.00	658.09
9/5/2018	738.00		88.70	665.67	108.90	702.61	20.50	679.34	41.00	658.09
9/12/2018	737.90		88.70	665.67	109.00	702.51	20.50	679.34	41.00	658.09
9/19/2018	737.60		88.70	665.67	109.10	702.41	20.50	679.34	41.00	658.09
9/26/2018	737.30	0.00	88.70	665.67	109.10	702.41	20.50	679.34	41.00	658.09
10/3/2018	737.50		88.70	665.67	109.10	702.41	20.50	679.34	41.00	658.09
10/10/2018	737.70		88.70	665.67	109.20	702.31	20.50	679.34	41.00	658.09
10/17/2018	738.20		88.70	665.67	109.30	702.21	20.50	679.34	41.00	658.09
10/24/2018	738.60		88.70	665.67	109.40	702.11	20.50	679.34	41.00	658.09
10/30/2018	738.50	0.69	88.70	665.67	109.50	702.01	20.50	679.34	41.00	658.09
11/7/2018	738.40		88.70	665.67	109.50	702.01	20.50	679.34	41.00	658.09
11/16/2018	737.70		88.70	665.67	109.50	702.01	20.50	679.34	41.00	658.09
11/21/2018	737.50		88.70	665.67	109.50	702.01	20.50	679.34	41.00	658.09
11/28/2018	737.20	1.66	88.70	665.67	109.50	702.01	20.50	679.34	41.00	658.09

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-7 Lower		No. 1		No. 2		No. 3	
Top Ref. Elev. (ft)			750.800		811.500		697.500		696.000	
Top Ref. Elev. (ft) After 5/21/2012			754.370		811.510		699.835		699.090	
Tip Elev. (ft)			664.700		695.310		677.700		654.000	
Total Depth (ft)			86.1		116.2		19.8		42.0	
Total Depth (ft) After 5/21/2012			89.7		116.2		22.1		45.1	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-7L		NO.1		NO.2		NO.3	
12/5/2018	737.60		88.70	665.67	109.50	702.01	20.50	679.34	41.00	658.09
12/12/2018	737.70		88.70	665.67	109.60	701.91	20.50	679.34	41.00	658.09
12/19/2018	737.60		88.70	665.67	109.60	701.91	20.50	679.34	41.00	658.09
12/27/2018	737.40	2.05	88.70	665.67	109.70	701.81	20.50	679.34	41.00	658.09
1/2/2019	737.10		88.70	665.67	109.70	701.81	20.50	679.34	41.00	658.09
1/9/2019	738.40		88.70	665.67	109.80	701.71	20.50	679.34	41.00	658.09
1/16/2019	738.50		88.70	665.67	109.80	701.71	20.50	679.34	40.80	658.29
1/23/2019	740.80		88.70	665.67	109.90	701.61	20.50	679.34	40.70	658.39
1/30/2019	740.70	5.18	88.70	665.67	109.90	701.61	20.50	679.34	40.80	658.29
2/6/2019	745.80		88.70	665.67	109.90	701.61	20.50	679.34	40.80	658.29
2/13/2019	747.80		88.70	665.67	110.00	701.51	20.40	679.44	40.80	658.29
2/20/2019	764.70		88.70	665.67	109.50	702.01	20.40	679.44	38.90	660.19
2/27/2019	766.80	8.65	88.70	665.67	109.80	701.71	20.40	679.44	39.00	660.09
3/6/2019	769.50		88.70	665.67	109.80	701.71	20.40	679.44	38.60	660.49
3/13/2019	772.00		88.70	665.67	109.60	701.91	20.40	679.44	38.70	660.39
3/20/2019	773.30		88.70	665.67	109.50	702.01	20.40	679.44	38.80	660.29
3/27/2019	774.30	2.49	88.70	665.67	109.50	702.01	20.40	679.44	38.90	660.19
4/3/2019	774.50		88.70	665.67	109.50	702.01	20.40	679.44	39.40	659.69
4/10/2019	774.70		88.50	665.87	109.20	702.31	20.40	679.44	40.40	658.69
1/17/2019	774.80		88.50	665.87	109.00	702.51	20.40	679.44	40.50	658.59
4/24/2019	774.90	0.10	88.50	665.87	109.00	702.51	20.40	679.44	40.50	658.59
5/1/2019	774.90		88.50	665.87	109.00	702.51	20.40	679.44	40.50	658.59
5/8/2019	774.90		88.50	665.87	108.50	703.01	20.50	679.34	40.50	658.59
5/15/2019	774.60		88.70	665.67	108.10	703.41	20.50	679.34	40.50	658.59
5/22/2019	773.90		88.70	665.67	107.70	703.81	20.50	679.34	40.50	658.59
5/29/2019	773.10	1.07	88.70	665.67	107.70	703.81	20.50	679.34	40.50	658.59
6/5/2019	772.10		88.70	665.67	107.50	704.01	20.50	679.34	40.50	658.59

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-7 Lower		No. 1		No. 2		No. 3	
Top Ref. Elev. (ft)			750.800		811.500		697.500		696.000	
Top Ref. Elev. (ft) After 5/21/2012			754.370		811.510		699.835		699.090	
Tip Elev. (ft)			664.700		695.310		677.700		654.000	
Total Depth (ft)			86.1		116.2		19.8		42.0	
Total Depth (ft) After 5/21/2012			89.7		116.2		22.1		45.1	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-7L		NO.1		NO.2		NO.3	
6/12/2019	770.80		88.70	665.67	107.40	704.11	20.50	679.34	40.50	658.59
6/19/2019	769.50		88.70	665.67	107.30	704.21	20.50	679.34	40.50	658.59
6/26/2019	768.10	0.03	88.70	665.67	107.10	704.41	20.50	679.34	40.50	658.59
7/3/2019	766.70		88.70	665.67	107.10	704.41	20.50	679.34	40.50	658.59
7/5/2019	766.20		88.70	665.67	107.10	704.41	20.50	679.34	40.50	658.59
7/10/2019	765.10		88.70	665.67	107.00	704.51	20.80	679.04	40.50	658.59
7/17/2019	763.40		88.70	665.67	106.80	704.71	20.80	679.04	40.50	658.59
7/24/2019	761.70		88.70	665.67	106.70	704.81	20.80	679.04	40.50	658.59
7/30/2019	760.50	0.00	88.70	665.67	106.70	704.81	20.80	679.04	40.50	658.59
8/7/2019	759.60		88.70	665.67	106.70	704.81	20.80	679.04	40.50	658.59
8/14/2019	758.80		88.70	665.67	106.70	704.81	20.60	679.24	40.50	658.59
8/21/2019	757.80		88.70	665.67	106.70	704.81	20.60	679.24	40.60	658.49
8/28/2019	757.20	0.00	88.70	665.67	106.80	704.71	20.50	679.34	40.60	658.49
9/4/2019	756.70		88.70	665.67	106.80	704.71	20.50	679.34	40.60	658.49
9/11/2019	756.30		88.70	665.67	106.90	704.61	20.60	679.24	40.60	658.49
9/18/2019	755.90		88.70	665.67	106.90	704.61	20.90	678.94	40.80	658.29
9/25/2019	755.20	0.00	88.70	665.67	107.00	704.51	21.30	678.54	41.20	657.89
10/2/2019	754.60		88.70	665.67	107.00	704.51	20.70	679.14	40.90	658.19
10/10/2019	754.30		88.70	665.67	107.00	704.51	20.30	679.54	40.70	658.39
10/16/2019	753.90		88.70	665.67	107.10	704.41	20.30	679.54	40.70	658.39
10/26/2019	752.70		88.70	665.67	107.20	704.31	20.30	679.54	40.70	658.39
10/30/2019	752.30	0.00	88.70	665.67	107.20	704.31	20.30	679.54	40.70	658.39
11/6/2019	751.70		88.70	665.67	107.30	704.21	20.30	679.54	40.70	658.39
11/13/2019	751.30		88.70	665.67	107.50	704.01	20.30	679.54	40.70	658.39
11/20/2019	751.20		88.70	665.67	107.40	704.11	20.30	679.54	40.70	658.39
11/27/2019	751.10	2.38	88.70	665.67	107.40	704.11	20.30	679.54	40.70	658.39

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-7 Lower		No. 1		No. 2		No. 3	
Top Ref. Elev. (ft)			750.800		811.500		697.500		696.000	
Top Ref. Elev. (ft) After 5/21/2012			754.370		811.510		699.835		699.090	
Tip Elev. (ft)			664.700		695.310		677.700		654.000	
Total Depth (ft)			86.1		116.2		19.8		42.0	
Total Depth (ft) After 5/21/2012			89.7		116.2		22.1		45.1	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-7L		NO.1		NO.2		NO.3	
12/4/2019	751.20		88.70	665.67	107.40	704.11	20.30	679.54	40.70	658.39
12/11/2019	751.40		88.70	665.67	107.80	703.71	20.30	679.54	40.60	658.49
12/18/2019	751.30		88.70	665.67	107.80	703.71	20.30	679.54	40.80	658.29
12/26/2019	751.60	4.61	88.70	665.67	107.90	703.61	20.30	679.54	40.80	658.29
1/2/2020	751.80		88.70	665.67	107.90	703.61	20.30	679.54	40.80	658.29
1/8/2020	751.90		88.70	665.67	107.70	703.81	20.30	679.54	40.90	658.19
1/15/2020	751.90		88.70	665.67	107.80	703.71	20.30	679.54	40.80	658.29
1/22/2020	751.90		88.70	665.67	107.90	703.61	20.40	679.44	40.80	658.29
1/29/2020	752.00	0.15	88.70	665.67	107.80	703.71	20.40	679.44	40.80	658.29
2/5/2020	751.90		88.70	665.67	107.80	703.71	20.40	679.44	40.80	658.29
2/12/2020	751.90		88.70	665.67	108.00	703.51	20.40	679.44	40.80	658.29
2/19/2020	751.90		88.70	665.67	108.10	703.41	20.40	679.44	41.10	657.99
2/26/2020	751.90	0.53	88.70	665.67	108.20	703.31	20.40	679.44	41.10	657.99
3/4/2020	751.80		88.70	665.67	108.20	703.31	20.40	679.44	41.10	657.99
3/11/2020	751.80		88.70	665.67	108.20	703.31	20.50	679.34	41.10	657.99
3/18/2020	752.10		88.70	665.67	108.20	703.31	20.40	679.44	41.10	657.99
3/25/2020	753.30	4.31	88.70	665.67	108.20	703.31	20.40	679.44	41.10	657.99
4/1/2020	753.60		88.70	665.67	108.20	703.31	20.40	679.44	41.10	657.99
4/8/2020	755.80		88.70	665.67	108.20	703.31	20.40	679.44	40.80	658.29
4/15/2020	760.50		88.70	665.67	108.20	703.31	20.40	679.44	39.70	659.39
4/22/2020	761.50		88.70	665.67	108.20	703.31	20.40	679.44	40.60	658.49
4/29/2020	761.90	3.88	88.70	665.67	108.20	703.31	20.40	679.44	40.30	658.79
5/6/2020	761.20		88.70	665.67	108.20	703.31	20.40	679.44	40.30	658.79
5/13/2020	762.10		88.70	665.67	108.20	703.31	20.40	679.44	40.40	658.69
5/20/2020	762.20		88.70	665.67	108.20	703.31	20.50	679.34	40.50	658.59
5/27/2020	762.10	0.03	88.70	665.67	108.20	703.31	20.50	679.34	40.50	658.59
6/3/2020	761.90		88.70	665.67	108.00	703.51	20.50	679.34	40.80	658.29

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-7 Lower		No. 1		No. 2		No. 3	
Top Ref. Elev. (ft)			750.800		811.500		697.500		696.000	
Top Ref. Elev. (ft) After 5/21/2012			754.370		811.510		699.835		699.090	
Tip Elev. (ft)			664.700		695.310		677.700		654.000	
Total Depth (ft)			86.1		116.2		19.8		42.0	
Total Depth (ft) After 5/21/2012			89.7		116.2		22.1		45.1	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-7L		NO.1		NO.2		NO.3	
6/10/2020	761.80		88.70	665.67	108.00	703.51	20.30	679.54	40.80	658.29
6/19/2020	760.10		88.70	665.67	108.00	703.51	20.30	679.54	40.80	658.29
6/24/2020	759.00	0.00	88.70	665.67	108.00	703.51	20.30	679.54	40.80	658.29
7/1/2020	757.30		88.70	665.67	108.00	703.51	20.30	679.54	40.80	658.29
7/8/2020	755.80		88.70	665.67	108.00	703.51	20.30	679.54	40.80	658.29
7/15/2020	754.40		88.70	665.67	108.00	703.51	20.00	679.84	40.80	658.29
7/22/2020	752.90		88.70	665.67	108.10	703.41	20.00	679.84	40.80	658.29
7/29/2020	751.40	0.00	88.70	665.67	108.10	703.41	20.00	679.84	40.80	658.29
8/5/2020	749.90		88.70	665.67	108.10	703.41	20.00	679.84	40.80	658.29
8/12/2020	749.60		88.70	665.67	108.10	703.41	20.00	679.84	40.80	658.29
8/19/2020	749.10		88.70	665.67	108.10	703.41	20.10	679.74	40.80	658.29
8/26/2020	747.90	0.00	88.70	665.67	108.10	703.41	20.10	679.74	40.80	658.29
9/2/2020	746.40		88.70	665.67	108.10	703.41	20.30	679.54	40.90	658.19
9/9/2020	745.70		88.70	665.67	108.50	703.01	19.80	680.04	40.90	658.19
9/16/2020	745.20		88.70	665.67	108.40	703.11	19.40	680.44	40.80	658.29
9/19/2020	747.80		88.70	665.67	108.40	703.11	19.40	680.44	40.80	658.29
9/23/2020	749.40		88.70	665.67	108.50	703.01	19.60	680.24	40.80	658.29
9/30/2020	743.50	0.00	88.70	665.67	108.50	703.01	19.60	680.24	40.80	658.29
10/7/2020	742.70		88.70	665.67	108.50	703.01	20.10	679.74	40.80	658.29
10/14/2020	741.60		88.70	665.67	108.50	703.01	20.10	679.74	40.80	658.29
10/21/2020	740.30		88.70	665.67	108.60	702.91	20.10	679.74	40.80	658.29
10/28/2020	739.90	0.00	88.70	665.67	108.70	702.81	20.10	679.74	40.80	658.29
11/4/2020	739.40		88.70	665.67	108.70	702.81	20.10	679.74	40.80	658.29
11/10/2020	739.20		88.70	665.67	108.80	702.71	19.60	680.24	40.80	658.29
11/18/2020	739.00		88.70	665.67	108.80	702.71	19.80	680.04	40.80	658.29
11/25/2020	738.80	0.54	88.70	665.67	108.90	702.61	19.90	679.94	41.10	657.99
12/2/2020	738.50		88.70	665.67	108.90	702.61	19.90	679.94	41.10	657.99

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-7 Lower		No. 1		No. 2		No. 3	
Top Ref. Elev. (ft)			750.800		811.500		697.500		696.000	
Top Ref. Elev. (ft) After 5/21/2012			754.370		811.510		699.835		699.090	
Tip Elev. (ft)			664.700		695.310		677.700		654.000	
Total Depth (ft)			86.1		116.2		19.8		42.0	
Total Depth (ft) After 5/21/2012			89.7		116.2		22.1		45.1	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-7L		NO.1		NO.2		NO.3	
12/9/2020	738.20		88.70	665.67	108.90	702.61	20.00	679.84	41.10	657.99
12/16/2020	738.00		88.70	665.67	108.90	702.61	20.10	679.74	41.10	657.99
12/23/2020	738.20	1.72	88.70	665.67	108.90	702.61	20.10	679.74	41.10	657.99
1/6/2021	742.10		88.70	665.67	109.00	702.51	20.10	679.74	41.10	657.99
1/13/2021	742.10		88.70	665.67	109.20	702.31	20.10	679.74	41.10	657.99
1/20/2021	741.80		88.70	665.67	109.20	702.31	20.10	679.74	41.10	657.99
1/27/2021	741.70	1.36	88.70	665.67	109.20	702.31	20.10	679.74	41.10	657.99
2/3/2021	741.80		88.70	665.67	109.20	702.31	20.10	679.74	41.10	657.99
2/10/2021	741.60		88.70	665.67	109.20	702.31	20.10	679.74	41.10	657.99
2/17/2021	741.40		88.70	665.67	109.20	702.31	20.10	679.74	41.10	657.99
2/24/2021	741.00	0.14	88.70	665.67	109.20	702.31	20.10	679.74	41.10	657.99
3/3/2021	740.80		88.60	665.77	109.40	702.11	20.10	679.74	41.10	657.99
3/10/2021	740.60		88.60	665.77	109.40	702.11	20.20	679.64	41.10	657.99
3/17/2021	741.00		88.60	665.77	109.40	702.11	20.40	679.44	41.10	657.99
3/24/2021	740.90		88.60	665.77	109.30	702.21	20.40	679.44	41.10	657.99
3/31/2021	740.60	1.53	88.60	665.77	109.30	702.21	20.40	679.44	41.10	657.99
4/7/2021	740.80		88.60	665.77	109.30	702.21	20.40	679.44	41.10	657.99
4/14/2021	740.70		88.60	665.77	109.40	702.11	20.40	679.44	41.10	657.99
4/21/2021	741.30		88.60	665.77	109.50	702.01	20.40	679.44	41.10	657.99
4/28/2021	742.00	0.00	88.60	665.77	109.50	702.01	20.40	679.44	41.10	657.99
5/5/2021	741.90		88.70	665.67	109.50	702.01	20.40	679.44	41.10	657.99
5/15/2021	740.80		88.70	665.67	109.50	702.01	20.40	679.44	41.10	657.99
5/19/2021	740.40		88.70	665.67	109.50	702.01	20.40	679.44	41.10	657.99
5/26/2021	740.10	0.05	88.70	665.67	109.50	702.01	20.40	679.44	41.10	657.99
6/2/2021	739.60		88.70	665.67	109.60	701.91	20.30	679.54	41.10	657.99
6/9/2021	738.30		88.70	665.67	109.70	701.81	20.20	679.64	41.10	657.99
6/16/2021	737.20		88.70	665.67	109.60	701.91	20.10	679.74	41.10	657.99
6/23/2021	736.00		88.70	665.67	109.70	701.81	20.10	679.74	41.10	657.99

Notes:
1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-7 Lower		No. 1		No. 2		No. 3	
Top Ref. Elev. (ft)			750.800		811.500		697.500		696.000	
Top Ref. Elev. (ft) After 5/21/2012			754.370		811.510		699.835		699.090	
Tip Elev. (ft)			664.700		695.310		677.700		654.000	
Total Depth (ft)			86.1		116.2		19.8		42.0	
Total Depth (ft) After 5/21/2012			89.7		116.2		22.1		45.1	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-7L		NO.1		NO.2		NO.3	
6/30/2021	736.40	0.00	88.70	665.67	109.70	701.81	20.10	679.74	41.10	657.99
7/7/2021	737.00		88.70	665.67	109.70	701.81	20.30	679.54	41.10	657.99
7/14/2021	737.40		88.70	665.67	109.70	701.81	20.30	679.54	41.10	657.99
7/21/2021	737.80		88.70	665.67	109.90	701.61	20.30	679.54	41.10	657.99
7/28/2021	736.40	0.05	88.70	665.67	110.00	701.51	20.30	679.54	41.10	657.99
8/4/2021	736.30		88.70	665.67	110.00	701.51	20.30	679.54	41.10	657.99
8/11/2021	735.90		88.70	665.67	110.00	701.51	20.30	679.54	41.10	657.99
8/18/2021	735.90		88.70	665.67	110.00	701.51	20.30	679.54	41.10	657.99
8/25/2021	735.70	0.00	88.70	665.67	110.00	701.51	20.40	679.44	41.10	657.99
9/1/2021	735.60		88.60	665.77	110.00	701.51	20.40	679.44	41.10	657.99
9/8/2021	736.00		88.50	665.87	110.00	701.51	20.40	679.44	41.10	657.99
9/15/2021	737.00		88.40	665.97	110.00	701.51	20.30	679.54	41.10	657.99
9/22/2021	737.50		88.30	666.07	110.00	701.51	20.30	679.54	41.10	657.99
9/29/2021	738.00	0.00	88.20	666.17	110.00	701.51	20.30	679.54	41.10	657.99
10/6/2021	738.20		87.80	666.57	110.10	701.41	20.30	679.54	41.10	657.99
10/13/2021	738.70		87.70	666.67	110.20	701.31	20.30	679.54	41.10	657.99
10/22/2021	738.80		87.60	666.77	110.20	701.31	20.30	679.54	41.10	657.99
10/27/2021	739.00	0.46	87.40	666.97	110.30	701.21	20.30	679.54	41.10	657.99
11/3/2021	739.60		87.30	667.07	110.30	701.21	20.30	679.54	40.80	658.29
11/10/2021	740.20		87.30	667.07	110.30	701.21	20.40	679.44	41.00	658.09
11/17/2021	740.20		87.30	667.07	110.40	701.11	20.40	679.44	40.80	658.29
11/24/2021	739.90	0.00	87.30	667.07	110.40	701.11	20.40	679.44	40.80	658.29
12/1/2021	739.50		87.30	667.07	110.40	701.11	20.40	679.44	41.00	658.09
12/8/2021	739.40		87.30	667.07	110.50	701.01	20.40	679.44	41.00	658.09
12/15/2021	740.00		87.30	667.07	110.50	701.01	20.40	679.44	41.00	658.09
12/22/2021	740.00		87.30	667.07	110.40	701.11	20.40	679.44	41.00	658.09
12/29/2021	743.00	7.24	87.30	667.07	110.40	701.11	20.40	679.44	41.00	658.09

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-7 Lower		No. 1		No. 2		No. 3	
Top Ref. Elev. (ft)			750.800		811.500		697.500		696.000	
Top Ref. Elev. (ft) After 5/21/2012			754.370		811.510		699.835		699.090	
Tip Elev. (ft)			664.700		695.310		677.700		654.000	
Total Depth (ft)			86.1		116.2		19.8		42.0	
Total Depth (ft) After 5/21/2012			89.7		116.2		22.1		45.1	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-7L		NO.1		NO.2		NO.3	
1/6/2022	744.20		87.30	667.07	110.40	701.11	20.40	679.44	41.00	658.09
1/12/2022	744.20		87.30	667.07	110.40	701.11	20.40	679.44	40.70	658.39
1/19/2022	744.10		87.30	667.07	110.60	700.91	20.40	679.44	40.70	658.39
1/26/2022	744.00	0.05	87.30	667.07	110.60	700.91	20.40	679.44	40.80	658.29
2/2/2022	743.80		87.30	667.07	110.60	700.91	20.40	679.44	40.80	658.29
2/9/2022	743.70		87.30	667.07	110.50	701.01	20.40	679.44	40.80	658.29
2/16/2022	743.60		87.30	667.07	110.40	701.11	20.40	679.44	40.80	658.29
2/28/2022	743.40	0.04	87.30	667.07	110.50	701.01	20.40	679.44	40.80	658.29
3/2/2022	743.30		87.30	667.07	110.40	701.11	20.40	679.44	40.70	658.39
3/9/2022	743.10		87.30	667.07	110.40	701.11	20.40	679.44	40.70	658.39
3/16/2022	743.00		87.30	667.07	110.40	701.11	20.40	679.44	40.70	658.39
3/23/2022	742.80		87.30	667.07	110.50	701.01	20.40	679.44	40.70	658.39
3/30/2022	742.10	1.28	87.30	667.07	110.60	700.91	20.40	679.44	40.70	658.39
4/6/2022	741.90		87.30	667.07	110.60	700.91	20.40	679.44	40.70	658.39
4/13/2022	741.60		87.30	667.07	110.60	700.91	20.00	679.84	40.70	658.39
4/20/2022	741.10		87.80	666.57	110.50	701.01	20.00	679.84	40.70	658.39
4/27/2022	740.20	0.25	87.80	666.57	110.50	701.01	20.00	679.84	40.70	658.39
5/4/2022	739.30		87.80	666.57	110.50	701.01	20.00	679.84	40.70	658.39
5/11/2022	738.10		87.50	666.87	110.50	701.01	20.00	679.84	40.70	658.39
5/18/2022	737.90		87.80	666.57	110.50	701.01	20.00	679.84	40.70	658.39
5/25/2022	737.00	0.00	87.80	666.57	110.60	700.91	20.00	679.84	40.70	658.39
6/1/2022	737.00		87.80	666.57	110.60	700.91	20.00	679.84	40.70	658.39
6/8/2022	738.00		87.80	666.57	110.60	700.91	20.00	679.84	40.70	658.39
6/15/2022	738.60		87.80	666.57	110.60	700.91	20.00	679.84	40.70	658.39
6/22/2022	741.70		87.80	666.57	110.60	700.91	20.00	679.84	40.70	658.39
6/29/2022	742.80	0.00	87.80	666.57	110.70	700.81	20.00	679.84	40.70	658.39
7/6/2022	744.60		87.80	666.57	110.70	700.81	20.00	679.84	40.70	658.39

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-7 Lower		No. 1		No. 2		No. 3	
Top Ref. Elev. (ft)			750.800		811.500		697.500		696.000	
Top Ref. Elev. (ft) After 5/21/2012			754.370		811.510		699.835		699.090	
Tip Elev. (ft)			664.700		695.310		677.700		654.000	
Total Depth (ft)			86.1		116.2		19.8		42.0	
Total Depth (ft) After 5/21/2012			89.7		116.2		22.1		45.1	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-7L		NO.1		NO.2		NO.3	
7/13/2022	745.50		87.60	666.77	110.70	700.81	20.00	679.84	40.70	658.39
7/20/2022	745.50		87.80	666.57	110.70	700.81	20.00	679.84	40.70	658.39
7/27/2022	744.50	0.03	87.80	666.57	110.70	700.81	20.00	679.84	40.70	658.39
8/3/2022	743.00		87.10	667.27	110.70	700.81	20.00	679.84	40.70	658.39
8/10/2022	742.10		86.60	667.77	110.70	700.81	20.00	679.84	40.70	658.39
8/17/2022	744.60		86.50	667.87	110.70	700.81	20.00	679.84	40.70	658.39
8/24/2022	746.60		86.60	667.77	110.70	700.81	20.00	679.84	40.70	658.39
8/31/2022	748.70	0.03	86.60	667.77	110.70	700.81	20.00	679.84	40.70	658.39
9/7/2022	749.60		86.60	667.77	110.70	700.81	20.00	679.84	40.70	658.39
9/14/2022	749.00		86.60	667.77	110.70	700.81	20.00	679.84	40.70	658.39
9/21/2022	747.60		86.60	667.77	110.70	700.81	20.00	679.84	40.70	658.39
9/28/2022	746.00	0.29	86.60	667.77	110.70	700.81	20.00	679.84	40.70	658.39
10/5/2022	744.90		84.60	669.77	110.60	700.91	20.00	679.84	40.70	658.39
10/12/2022	743.90		86.60	667.77	110.60	700.91	20.00	679.84	40.70	658.39
10/19/2022	743.70		86.60	667.77	110.60	700.91	20.00	679.84	40.70	658.39
10/26/2022	743.50	0.44	86.60	667.77	110.60	700.91	20.00	679.84	40.70	658.39
11/2/2022	743.40		86.60	667.77	110.60	700.91	20.00	679.84	40.80	658.29
11/9/2022	744.40		86.60	667.77	110.60	700.91	19.90	679.94	40.80	658.29
11/16/2022	744.30		86.60	667.77	110.60	700.91	19.90	679.94	40.80	658.29
11/23/2022	744.00		86.60	667.77	110.60	700.91	19.90	679.94	40.80	658.29
11/30/2022	743.70	1.24	86.60	667.77	110.60	700.91	19.90	679.94	40.80	658.29
12/1/2022	739.50		87.30	667.07	110.40	701.11	20.40	679.44	41.00	658.09
12/8/2022	739.40		87.30	667.07	110.50	701.01	20.40	679.44	41.00	658.09
12/15/2022	740.00		87.30	667.07	110.50	701.01	20.40	679.44	41.00	658.09
12/22/2022	740.00		87.30	667.07	110.40	701.11	20.40	679.44	41.00	658.09
12/29/2022	742.00	2.62	87.30	667.07	110.40	701.11	20.40	679.44	41.00	658.09
1/4/2023	745.60		86.60	667.77	110.70	700.81	20.30	679.54	40.80	658.29

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-7 Lower		No. 1		No. 2		No. 3	
Top Ref. Elev. (ft)			750.800		811.500		697.500		696.000	
Top Ref. Elev. (ft) After 5/21/2012			754.370		811.510		699.835		699.090	
Tip Elev. (ft)			664.700		695.310		677.700		654.000	
Total Depth (ft)			86.1		116.2		19.8		42.0	
Total Depth (ft) After 5/21/2012			89.7		116.2		22.1		45.1	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-7L		NO.1		NO.2		NO.3	
1/11/2023	748.90		86.60	667.77	110.70	700.81	20.30	679.54	40.80	658.29
1/18/2023	758.90		86.60	667.77	110.70	700.81	20.30	679.54	40.80	658.29
1/25/2023	760.90	6.31	86.60	667.77	110.70	700.81	20.30	679.54	40.80	658.29
2/1/2023	761.50		86.60	667.77	110.70	700.81	20.10	679.74	40.80	658.29
2/8/2023	761.80		86.70	667.67	110.70	700.81	20.10	679.74	40.80	658.29
2/15/2023	762.00		86.70	667.67	110.70	700.81	20.10	679.74	40.80	658.29
2/22/2023	762.20	2.95	86.70	667.67	110.70	700.81	20.10	679.74	40.80	658.29
3/1/2023	763.60		86.70	667.67	110.40	701.11	18.90	680.94	34.50	664.59
3/8/2023	764.10		86.70	667.67	110.40	701.11	18.90	680.94	34.40	664.69
3/15/2023	764.30		86.60	667.77	110.40	701.11	18.90	680.94	34.30	664.79
3/22/2023	772.80		86.60	667.77	110.40	701.11	18.90	680.94	34.30	664.79
3/29/2023	775.60	6.45	86.60	667.77	110.40	701.11	18.90	680.94	34.30	664.79
4/5/2023	777.40		86.70	667.67	110.10	701.41	19.40	680.44	36.40	662.69
4/12/2023	778.90		86.70	667.67	110.20	701.31	20.00	679.84	39.20	659.89
4/19/2023	779.50		86.70	667.67	110.30	701.21	20.00	679.84	39.70	659.39
4/26/2023	779.80	0.10	86.70	667.67	110.30	701.21	20.00	679.84	40.20	658.89
5/3/2023	779.80		86.70	667.67	109.20	702.31	20.00	679.84	40.30	658.79
5/10/2023	779.90		86.70	667.67	108.80	702.71	20.00	679.84	40.50	658.59
5/17/2023	779.70		86.70	667.67	108.80	702.71	20.30	679.54	40.50	658.59
5/24/2023	779.60	0.79	86.70	667.67	108.90	702.61	20.30	679.54	40.50	658.59
5/31/2023	779.20		86.70	667.67	108.90	702.61	20.30	679.54	40.50	658.59
6/7/2023	779.20		86.70	667.67	108.90	702.61	20.30	679.54	40.50	658.59
6/14/2023	778.90		86.70	667.67	108.90	702.61	20.30	679.54	40.50	658.59
6/21/2023	778.50		86.70	667.67	108.90	702.61	20.30	679.54	40.50	658.59
6/28/2023	777.90	0.09	86.70	667.67	108.90	702.61	20.30	679.54	40.50	658.59
7/5/2023	777.40		86.70	667.67	108.90	702.61	20.30	679.54	40.50	658.59
7/12/2023	776.70		86.80	667.57	106.00	705.51	20.30	679.54	40.50	658.59

Notes:

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2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			R-7 Lower		No. 1		No. 2		No. 3	
Top Ref. Elev. (ft)			750.800		811.500		697.500		696.000	
Top Ref. Elev. (ft) After 5/21/2012			754.370		811.510		699.835		699.090	
Tip Elev. (ft)			664.700		695.310		677.700		654.000	
Total Depth (ft)			86.1		116.2		19.8		42.0	
Total Depth (ft) After 5/21/2012			89.7		116.2		22.1		45.1	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			R-7L		NO.1		NO.2		NO.3	
7/19/2023	776.00		86.80	667.57	106.00	705.51	20.30	679.54	40.50	658.59
7/26/2023	775.00	0.00	86.80	667.57	106.00	705.51	20.30	679.54	40.50	658.59
8/3/2023	774.40		86.70	667.67	105.50	706.01	20.30	679.54	40.50	658.59
8/9/2023	774.00		86.70	667.67	105.50	706.01	20.30	679.54	40.50	658.59
8/16/2023	773.50		86.70	667.67	105.50	706.01	20.30	679.54	40.50	658.59
8/23/2023	773.50		86.70	667.67	105.50	706.01	20.30	679.54	40.50	658.59
8/31/2023	773.30	2.00	86.70	667.67	105.50	706.01	20.30	679.54	40.50	658.59
9/6/2023	773.20		86.70	667.67	105.50	706.01	20.30	679.54	40.50	658.59
9/13/2023	772.60		86.70	667.67	105.50	706.01	20.30	679.54	40.50	658.59
9/20/2023	772.10		86.70	667.67	105.50	706.01	20.30	679.54	40.50	658.59
9/27/2023	771.40	0.04	86.70	667.67	105.00	706.51	20.30	679.54	40.50	658.59
10/5/2023	770.40		86.70	667.67	105.00	706.51	20.30	679.54	40.50	658.59
10/12/2023	769.50		86.70	667.67	105.00	706.51	20.30	679.54	40.50	658.59
10/18/2023	768.30		86.70	667.67	105.00	706.51	20.30	679.54	36.70	662.39
10/25/2023	765.20	0.18	86.70	667.67	105.00	706.51	20.30	679.54	34.50	664.59
11/2/2023	762.70		86.70	667.67	105.40	706.11	20.30	679.54	38.20	660.89
11/8/2023	762.50		86.70	667.67	105.40	706.11	20.30	679.54	38.20	660.89
11/16/2023	762.40		86.70	667.67	105.40	706.11	20.30	679.54	40.10	658.99
11/21/2023	762.10		86.70	667.67	105.40	706.11	20.30	679.54	40.10	658.99
11/28/2023	761.60	0.52	86.70	667.67	105.80	705.71	20.30	679.54	40.10	658.99
12/7/2023	761.00		86.70	667.67	105.80	705.71	20.30	679.54	40.10	658.99
12/12/2023	760.70		86.70	667.67	105.80	705.71	20.30	679.54	40.60	658.49
12/19/2023	760.20	1.09	86.70	667.67	105.80	705.71	20.30	679.54	40.60	658.49

Notes:
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2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			No. 4		No. 5	
Top Ref. Elev. (ft)			698.000		703.500	
Top Ref. Elev. (ft) After 5/21/2012			700.345		706.935	
Tip Elev. (ft)			654.000		655.500	
Total Depth (ft)			44.0		48.0	
Total Depth (ft) After 5/21/2012			46.3		51.4	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			NO.4		NO.5	
1/10/2007	749.70					
1/19/2007	749.40					
1/29/2007	749.60					
2/7/2007	750.00					
2/16/2007	750.20					
2/26/2007	750.60					
3/6/2007	751.70					
3/17/2007	755.10					
3/25/2007	756.30					
4/6/2007	760.00					
4/16/2007	762.90					
4/27/2007	767.10					
5/9/2007	766.80					
5/19/2007	764.80					
5/29/2007	762.80					
6/8/2007	761.20					
6/18/2007	759.90					
6/28/2007	758.10					
7/10/2007	756.70					
7/19/2007	755.80					
7/30/2007	754.90					
8/11/2007	754.40					
8/22/2007	753.80					
8/30/2007	753.30					
9/7/2007	753.20					
9/18/2007	753.00					
9/27/2007	753.60					

Notes:

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TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			No. 4		No. 5	
Top Ref. Elev. (ft)			698.000		703.500	
Top Ref. Elev. (ft) After 5/21/2012			700.345		706.935	
Tip Elev. (ft)			654.000		655.500	
Total Depth (ft)			44.0		48.0	
Total Depth (ft) After 5/21/2012			46.3		51.4	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			NO.4		NO.5	
10/8/2007	754.90					
10/17/2007	756.20					
10/30/2007	757.80					
11/9/2007	759.60					
11/19/2007	763.60					
11/28/2007	766.50					
12/8/2007	768.70					
12/18/2007	768.50					
12/28/2007	769.30					
1/9/2008	770.50					
1/19/2008	770.30					
1/29/2008	772.70					
2/9/2008	774.10					
2/19/2008	774.40					
2/27/2008	775.00					
3/7/2008	775.00					
3/18/2008	775.00					
3/29/2008	774.90					
4/10/2008	775.00					
4/20/2008	774.80					
5/5/2008	774.65					
5/13/2008	773.90					
5/21/2008	772.85					
5/31/2008	772.10					
6/9/2008	771.20					
6/18/2008	770.50					
6/26/2008	769.60					

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TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			No. 4		No. 5	
Top Ref. Elev. (ft)			698.000		703.500	
Top Ref. Elev. (ft) After 5/21/2012			700.345		706.935	
Tip Elev. (ft)			654.000		655.500	
Total Depth (ft)			44.0		48.0	
Total Depth (ft) After 5/21/2012			46.3		51.4	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			NO.4		NO.5	
7/8/2008	768.10					
7/19/2008	766.60					
7/29/2008	765.50	0.00				
8/4/2008	764.60	0.00				
8/9/2008	764.25	0.00				
8/19/2008	763.20	0.00				
8/28/2008	762.25	0.00				
9/6/2008	761.00	0.00				
9/17/2008	760.10	0.00				
9/29/2008	759.20	0.00				
10/8/2008	759.00	0.00				
10/18/2008	758.90	0.00				
10/29/2008	761.30	0.00				
11/8/2008	764.30	0.00				
11/17/2008	766.90	0.00				
11/25/2008	769.90	1.71				
12/4/2008	773.90					
12/13/2008	777.30					
12/21/2008	779.10					
12/30/2008	779.40	3.99				
1/8/2009	779.30					
1/19/2009	778.50					
1/29/2009	778.30	0.38				
2/12/2009	779.80					
2/19/2009	781.30					
2/27/2009	782.20	4.33				
3/10/2009	782.70					

Notes:

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2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			No. 4		No. 5	
Top Ref. Elev. (ft)			698.000		703.500	
Top Ref. Elev. (ft) After 5/21/2012			700.345		706.935	
Tip Elev. (ft)			654.000		655.500	
Total Depth (ft)			44.0		48.0	
Total Depth (ft) After 5/21/2012			46.3		51.4	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			NO.4		NO.5	
3/20/2009	782.40					
3/25/2009	782.20	0.43				
4/4/2009	785.30					
4/13/2009	788.50					
4/21/2009	790.50					
4/26/2009	791.20	0.00				
5/4/2009	791.30					
5/13/2009	790.60					
5/21/2009	789.90					
5/30/2009	789.30	0.00				
6/8/2009	788.70					
6/17/2009	788.20					
6/27/2009	787.60	0.00				
7/7/2009	786.80					
7/15/2009	786.10					
7/22/2009	785.50					
7/30/2009	784.70	0.00				
8/8/2009	783.90					
8/15/2009	783.30					
8/26/2009	782.30	0.00				
9/5/2009	781.50					
9/12/2009	780.80					
9/19/2009	780.20					
9/28/2009	779.50	0.00				
10/8/2009	778.50					
10/19/2009	777.80					
10/30/2009	776.80	0.24				

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TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			No. 4		No. 5	
Top Ref. Elev. (ft)			698.000		703.500	
Top Ref. Elev. (ft) After 5/21/2012			700.345		706.935	
Tip Elev. (ft)			654.000		655.500	
Total Depth (ft)			44.0		48.0	
Total Depth (ft) After 5/21/2012			46.3		51.4	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			NO.4		NO.5	
11/9/2009	776.10					
11/20/2009	775.40					
11/28/2009	774.90	0.00				
12/9/2009	774.60					
12/18/2009	774.60					
12/29/2009	774.30	3.56				
1/9/2010	773.90					
1/17/2010	773.60					
1/28/2010	779.90	7.84				
2/4/2010	780.15					
2/12/2010	783.40					
2/19/2010	784.00					
2/26/2010	784.45	2.69				
3/6/2010	785.60					
3/15/2010	786.20					
3/16/2010	786.30					
3/24/2010	786.20	2.03				
4/2/2010	785.80					
4/4/2010	785.80					
4/12/2010	787.40					
4/20/2010	790.10					
4/28/2010	792.60	1.19				
5/6/2010	792.90					
5/14/2010	792.40					
5/21/2010	792.10					
5/29/2010	791.70	0.00				
6/8/2010	791.00					

Notes:

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2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			No. 4		No. 5	
Top Ref. Elev. (ft)			698.000		703.500	
Top Ref. Elev. (ft) After 5/21/2012			700.345		706.935	
Tip Elev. (ft)			654.000		655.500	
Total Depth (ft)			44.0		48.0	
Total Depth (ft) After 5/21/2012			46.3		51.4	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			NO.4		NO.5	
6/15/2010	790.60					
6/22/2010	790.10					
6/29/2010	789.70	0.00				
7/8/2010	789.20					
7/16/2010	788.70					
7/23/2010	788.30					
7/31/2010	787.70	0.00				
8/7/2010	787.30					
8/15/2010	786.70					
8/23/2010	786.10					
8/29/2010	785.60	0.00				
9/8/2010	784.90					
9/17/2010	784.20					
9/27/2010	783.50	0.00				
10/8/2010	782.80					
10/18/2010	782.20					
10/28/2010	782.00	1.76				
11/4/2010	781.70					
11/15/2010	781.10					
11/26/2010	780.80	1.33				
12/8/2010	780.50					
12/16/2010	780.40					
12/30/2010	792.60	11.72				
1/6/2011	792.20					
1/7/2011	792.20					
1/17/2011	792.00					
1/27/2011	791.80	1.11				

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TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			No. 4		No. 5	
Top Ref. Elev. (ft)			698.000		703.500	
Top Ref. Elev. (ft) After 5/21/2012			700.345		706.935	
Tip Elev. (ft)			654.000		655.500	
Total Depth (ft)			44.0		48.0	
Total Depth (ft) After 5/21/2012			46.3		51.4	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			NO.4		NO.5	
2/5/2011	791.80					
2/15/2011	791.80					
2/23/2011	792.20	2.87				
3/8/2011	792.10					
3/19/2011	791.80					
3/30/2011	791.50	3.23				
4/7/2011	792.10					
4/16/2011	792.50					
4/23/2011	792.60					
4/30/2011	792.60	0.00				
5/9/2011	792.40					
5/16/2011	792.40					
5/24/2011	792.40					
5/31/2011	792.40	0.81				
6/8/2011	792.10					
6/16/2011	791.90					
6/23/2011	791.80					
6/30/2011	791.60	0.00				
7/8/2011	791.40					
7/14/2011	791.20					
7/21/2011	790.90					
7/30/2011	790.40	0.00				
8/9/2011	789.90					
8/15/2011	789.70					
8/24/2011	789.00					
9/1/2011	788.65	0.00				
9/9/2011	787.90					

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TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			No. 4		No. 5	
Top Ref. Elev. (ft)			698.000		703.500	
Top Ref. Elev. (ft) After 5/21/2012			700.345		706.935	
Tip Elev. (ft)			654.000		655.500	
Total Depth (ft)			44.0		48.0	
Total Depth (ft) After 5/21/2012			46.3		51.4	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			NO.4		NO.5	
9/16/2011	787.30					
9/23/2011	787.00					
9/29/2011	786.80	0.08				
10/8/2011	786.60					
10/15/2011	786.40					
10/26/2011	786.00	1.29				
11/5/2011	785.50		37.00	661.00	36.20	667.30
11/14/2011	785.40		37.00	661.00	36.20	667.30
11/22/2011	785.10		37.00	661.00	37.80	665.70
11/30/2011	785.10	1.79	37.00	661.00	39.00	664.50
12/9/2011	784.80		37.00	661.00	39.00	664.50
12/17/2011	784.60		37.00	661.00	39.00	664.50
12/22/2011	784.50		37.00	661.00	39.00	664.50
12/30/2011	784.30	0.45	37.00	661.00	39.00	664.50
1/7/2012	784.00		37.00	661.00	39.00	664.50
1/14/2012	783.80		37.00	661.00	39.00	664.50
1/21/2012	783.60		37.00	661.00	39.00	664.50
1/28/2012	783.60	1.72	37.00	661.00	39.00	664.50
2/7/2012	783.40		37.00	661.00	39.00	664.50
2/15/2012	783.40		37.00	661.00	39.00	664.50
2/25/2012	783.40	0.62	37.00	661.00	39.00	664.50
3/5/2012	783.20		37.00	661.00	39.00	664.50
3/15/2012	782.70		37.00	661.00	39.00	664.50
3/22/2012	782.60	2.01	37.00	661.00	39.00	664.50
4/3/2012	782.50		37.00	661.00	39.00	664.50
4/12/2012	782.10		37.00	661.00	39.00	664.50
4/21/2012	782.00		37.00	661.00	39.00	664.50

Notes:

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TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			No. 4		No. 5	
Top Ref. Elev. (ft)			698.000		703.500	
Top Ref. Elev. (ft) After 5/21/2012			700.345		706.935	
Tip Elev. (ft)			654.000		655.500	
Total Depth (ft)			44.0		48.0	
Total Depth (ft) After 5/21/2012			46.3		51.4	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			NO.4		NO.5	
4/23/2012	781.90	1.32	37.00	661.00	39.00	664.50
5/1/2012	781.70		37.00	661.00	39.00	664.50
5/7/2012	781.30		37.00	661.00	39.00	664.50
5/21/2012	780.90		37.00	661.00	39.00	664.50
5/25/2012	780.00	0.06	40.20	660.15	42.30	664.64
6/4/2012	779.60		37.00	663.35	39.00	667.94
6/13/2012	778.70		40.20	660.15	42.30	664.64
6/20/2012	778.00		40.20	660.15	42.30	664.64
6/25/2012	777.30	0.00	40.20	660.15	42.60	664.34
7/4/2012	776.30		40.30	660.05	42.50	664.44
7/13/2012	775.70		40.20	660.15	42.40	664.54
7/20/2012	775.20		40.30	660.05	42.40	664.54
7/30/2012	775.00	0.10	40.30	660.05	42.40	664.54
8/8/2012	773.00		40.30	660.05	42.50	664.44
8/9/2012	772.90		40.30	660.05	42.50	664.44
8/18/2012	772.00		40.30	660.05	42.40	664.54
8/27/2012	771.10		40.20	660.15	42.30	664.64
8/29/2012	770.90	0.00	40.20	660.15	42.30	664.64
9/8/2012	769.80		40.20	660.15	42.30	664.64
9/15/2012	768.90		40.20	660.15	42.30	664.64
9/29/2012	767.80	0.00	40.10	660.25	42.30	664.64
10/11/2012	766.80		40.10	660.25	42.30	664.64
10/23/2012	765.90	1.10	40.10	660.25	42.30	664.64
11/12/2012	764.60		40.10	660.25	42.30	664.64
11/23/2012	764.30	0.16	40.10	660.25	42.30	664.64
12/12/2012	764.50	2.46	40.10	660.25	42.30	664.64
12/27/2012	769.10		40.10	660.25	42.30	664.64

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			No. 4		No. 5	
Top Ref. Elev. (ft)			698.000		703.500	
Top Ref. Elev. (ft) After 5/21/2012			700.345		706.935	
Tip Elev. (ft)			654.000		655.500	
Total Depth (ft)			44.0		48.0	
Total Depth (ft) After 5/21/2012			46.3		51.4	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			NO.4		NO.5	
1/16/2013	770.40		40.10	660.25	42.30	664.64
1/28/2013	769.90	1.82	40.20	660.15	42.30	664.64
2/15/2013	769.60		40.20	660.15	42.30	664.64
2/26/2013	769.40	0.68	40.20	660.15	42.30	664.64
3/13/2013	768.80		40.00	660.35	42.30	664.64
3/26/2013	768.60	0.66	40.10	660.25	42.30	664.64
4/10/2013	771.10		40.10	660.25	42.30	664.64
4/30/2013	772.20	0.00	40.10	660.25	42.30	664.64
5/9/2013	771.90		40.10	660.25	42.60	664.34
5/15/2013	771.70		40.10	660.25	42.60	664.34
5/22/2013	771.40		40.10	660.25	42.60	664.34
5/30/2013	771.00	0.00	40.10	660.25	42.60	664.34
6/6/2013	770.80		40.10	660.25	42.60	664.34
6/13/2013	769.30		40.10	660.25	42.60	664.34
6/20/2013	769.00		40.10	660.25	42.60	664.34
6/26/2013	768.60	0.00	40.10	660.25	42.60	664.34
7/2/2013	767.80		40.10	660.25	42.60	664.34
7/10/2013	766.90		40.10	660.25	42.60	664.34
7/16/2013	766.50		40.10	660.25	42.60	664.34
7/29/2013	765.20	0.00	40.10	660.25	42.60	664.34
8/5/2013	764.50		40.10	660.25	42.60	664.34
8/12/2013	763.80		40.10	660.25	42.60	664.34
8/19/2013	763.30		40.10	660.25	42.60	664.34
8/26/2013	762.40	0.00	40.10	660.25	42.60	664.34
9/2/2013	761.50		40.10	660.25	42.60	664.34
9/10/2013	760.70		40.10	660.25	42.60	664.34
9/17/2013	759.90		40.10	660.25	42.60	664.34

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			No. 4		No. 5	
Top Ref. Elev. (ft)			698.000		703.500	
Top Ref. Elev. (ft) After 5/21/2012			700.345		706.935	
Tip Elev. (ft)			654.000		655.500	
Total Depth (ft)			44.0		48.0	
Total Depth (ft) After 5/21/2012			46.3		51.4	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			NO.4		NO.5	
9/23/2013	759.40		40.10	660.25	42.60	664.34
9/30/2013	758.70	0.00	40.10	660.25	42.60	664.34
10/7/2013	758.30		40.10	660.25	42.60	664.34
10/14/2013	757.60		40.10	660.25	42.60	664.34
10/21/2013	756.60		40.10	660.25	42.60	664.34
10/28/2013	756.00	0.00	40.10	660.25	42.60	664.34
11/4/2013	755.70		40.10	660.25	42.60	664.34
11/11/2013	756.10		40.10	660.25	42.60	664.34
11/18/2013	755.70		40.10	660.25	42.60	664.34
11/25/2013	755.40	0.55	40.10	660.25	42.60	664.34
12/2/2013	755.30		40.10	660.25	42.60	664.34
12/10/2013	755.40		40.10	660.25	42.60	664.34
12/16/2013	755.20		40.10	660.25	42.60	664.34
12/23/2013	755.20		40.10	660.25	42.60	664.34
12/30/2013	754.80	0.83	40.10	660.25	42.60	664.34
1/6/2014	754.50		40.10	660.25	42.60	664.34
1/13/2014	755.00		40.10	660.25	42.60	664.34
1/20/2014	754.60		40.10	660.25	42.60	664.34
1/27/2014	754.30	0.00	40.10	660.25	42.60	664.34
2/3/2014	754.10		40.10	660.25	42.60	664.34
2/10/2014	754.70		40.10	660.25	42.60	664.34
2/17/2014	754.50		40.10	660.25	42.60	664.34
2/24/2014	754.20	0.83	40.10	660.25	42.60	664.34
3/3/2014	754.50		40.10	660.25	42.60	664.34
3/10/2014	755.20		40.10	660.25	42.60	664.34
3/19/2014	755.90		40.10	660.25	42.60	664.34
3/25/2014	758.80		40.10	660.25	42.60	664.34

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			No. 4		No. 5	
Top Ref. Elev. (ft)			698.000		703.500	
Top Ref. Elev. (ft) After 5/21/2012			700.345		706.935	
Tip Elev. (ft)			654.000		655.500	
Total Depth (ft)			44.0		48.0	
Total Depth (ft) After 5/21/2012			46.3		51.4	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			NO.4		NO.5	
3/29/2014	760.50		40.10	660.25	42.60	664.34
3/31/2014	761.60	1.85	40.10	660.25	42.60	664.34
4/1/2014	762.00		40.10	660.25	42.60	664.34
4/8/2014	764.70		40.10	660.25	42.60	664.34
4/15/2014	766.60		40.10	660.25	42.60	664.34
4/22/2014	768.60		40.10	660.25	42.60	664.34
4/29/2014	770.40	0.88	40.10	660.25	42.60	664.34
5/5/2014	769.70		40.10	660.25	42.60	664.34
5/12/2014	769.00		40.10	660.25	42.60	664.34
5/19/2014	768.00		40.10	660.25	42.60	664.34
5/26/2014	767.10	0.00	40.10	660.25	42.60	664.34
6/2/2014	766.20		40.10	660.25	42.60	664.34
6/9/2014	765.40		40.10	660.25	42.60	664.34
6/16/2014	764.30		40.10	660.25	42.60	664.34
6/23/2014	763.10		40.10	660.25	42.60	664.34
6/27/2014	762.30	0.00	40.10	660.25	42.60	664.34
7/7/2014	760.90		40.10	660.25	42.60	664.34
7/14/2014	760.00		40.10	660.25	42.60	664.34
7/21/2014	759.10		40.10	660.25	42.60	664.34
7/28/2014	757.90	0.06	40.10	660.25	42.60	664.34
8/4/2014	756.80		40.10	660.25	42.60	664.34
8/11/2014	755.60		40.10	660.25	42.60	664.34
8/18/2014	754.70		40.10	660.25	42.60	664.34
8/25/2014	753.30	0.05	40.10	660.25	42.60	664.34
9/2/2014	751.60		40.10	660.25	42.60	664.34
9/8/2014	750.50		40.10	660.25	42.60	664.34
9/15/2014	749.40		40.10	660.25	42.60	664.34

Notes:

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2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			No. 4		No. 5	
Top Ref. Elev. (ft)			698.000		703.500	
Top Ref. Elev. (ft) After 5/21/2012			700.345		706.935	
Tip Elev. (ft)			654.000		655.500	
Total Depth (ft)			44.0		48.0	
Total Depth (ft) After 5/21/2012			46.3		51.4	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			NO.4		NO.5	
9/22/2014	748.30		40.10	660.25	42.60	664.34
9/29/2014	747.20	0.00	40.10	660.25	42.60	664.34
10/6/2014	745.70		40.10	660.25	42.60	664.34
10/13/2014	746.70		40.10	660.25	42.60	664.34
10/20/2014	746.60		40.10	660.25	42.60	664.34
10/27/2014	745.80	0.00	40.10	660.25	42.60	664.34
11/3/2014	746.40		40.10	660.25	42.60	664.34
11/10/2014	747.20		40.10	660.25	42.60	664.34
11/17/2014	747.70		40.10	660.25	42.60	664.34
11/24/2014	748.80	0.61	40.10	660.25	42.60	664.34
12/1/2014	748.30		40.10	660.25	42.60	664.34
12/8/2014	749.10		40.10	660.25	42.60	664.34
12/15/2014	749.80		40.10	660.25	42.60	664.34
12/29/2014	750.90	5.37	40.10	660.25	42.60	664.34
1/5/2015	751.30		40.10	660.25	42.60	664.34
1/12/2015	751.80		40.10	660.25	42.60	664.34
1/19/2015	752.30		40.10	660.25	42.60	664.34
1/26/2015	752.60	1.48	40.10	660.25	42.60	664.34
2/4/2015	753.10		40.10	660.25	42.60	664.34
2/9/2015	753.30		40.10	660.25	42.60	664.34
2/16/2015	753.80		40.10	660.25	42.60	664.34
2/23/2015	753.90	0.44	40.10	660.25	42.60	664.34
3/2/2015	754.50		40.10	660.25	42.60	664.34
3/9/2015	755.00		40.10	660.25	42.60	664.34
3/16/2015	755.30		40.10	660.25	42.60	664.34
3/23/2015	755.50		40.10	660.25	42.60	664.34
3/30/2015	755.70	0.57	40.10	660.25	42.60	664.34

Notes:

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TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			No. 4		No. 5	
Top Ref. Elev. (ft)			698.000		703.500	
Top Ref. Elev. (ft) After 5/21/2012			700.345		706.935	
Tip Elev. (ft)			654.000		655.500	
Total Depth (ft)			44.0		48.0	
Total Depth (ft) After 5/21/2012			46.3		51.4	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			NO.4		NO.5	
4/6/2015	755.60		40.10	660.25	42.60	664.34
4/13/2015	755.80		40.10	660.25	42.60	664.34
4/20/2015	755.90		40.10	660.25	42.60	664.34
4/27/2015	755.90	0.20	40.10	660.25	42.60	664.34
5/4/2015	755.60		40.10	660.25	42.60	664.34
5/11/2015	755.30		40.10	660.25	42.60	664.34
5/18/2015	755.20		40.10	660.25	42.60	664.34
5/26/2015	755.30	0.95	40.10	660.25	42.60	664.34
6/1/2015	755.20		40.10	660.25	42.60	664.34
6/8/2015	755.10		40.10	660.25	42.60	664.34
6/15/2015	755.20		40.10	660.25	42.60	664.34
6/22/2015	754.80		40.10	660.25	42.60	664.34
6/29/2015	754.20	0.00	40.10	660.25	42.60	664.34
7/10/2015	753.30		40.10	660.25	42.60	664.34
7/15/2015	753.00		40.10	660.25	42.60	664.34
7/21/2015	752.80		40.10	660.25	42.60	664.34
7/28/2015	752.40	0.00	40.10	660.25	42.60	664.34
8/4/2015	752.00		40.10	660.25	42.60	664.34
8/11/2015	751.60		40.10	660.25	42.60	664.34
8/18/2015	751.10		40.10	660.25	42.60	664.34
8/25/2015	750.60	0.00	40.10	660.25	42.60	664.34
9/1/2015	749.90		40.10	660.25	42.60	664.34
9/8/2015	749.00		40.10	660.25	42.60	664.34
9/15/2015	748.70		40.10	660.25	42.60	664.34
9/22/2015	748.40		40.10	660.25	42.60	664.34
9/29/2015	748.00	2.27	40.10	660.25	42.60	664.34
10/6/2015	747.60		40.10	660.25	42.60	664.34

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			No. 4		No. 5	
Top Ref. Elev. (ft)			698.000		703.500	
Top Ref. Elev. (ft) After 5/21/2012			700.345		706.935	
Tip Elev. (ft)			654.000		655.500	
Total Depth (ft)			44.0		48.0	
Total Depth (ft) After 5/21/2012			46.3		51.4	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			NO.4		NO.5	
10/13/2015	747.10		40.10	660.25	42.60	664.34
10/20/2015	746.70		40.10	660.25	42.60	664.34
10/27/2015	746.00	0.56	40.10	660.25	42.60	664.34
11/4/2015	745.70		40.10	660.25	42.60	664.34
11/11/2015	745.20		40.10	660.25	42.60	664.34
11/18/2015	744.80		40.10	660.25	42.60	664.34
11/25/2015	744.20	0.12	40.10	660.25	42.60	664.34
12/1/2015	743.70		40.10	660.25	42.60	664.34
12/8/2015	743.10		40.10	660.25	42.60	664.34
12/15/2015	742.70		40.10	660.25	42.60	664.34
12/22/2015	742.30		40.10	660.25	42.60	664.34
12/29/2015	742.10	1.29	40.10	660.25	42.60	664.34
1/5/2016	741.70		40.10	660.25	42.60	664.34
1/12/2016	742.30		40.10	660.25	42.60	664.34
1/19/2016	742.00		40.10	660.25	42.60	664.34
1/26/2016	741.80	3.51	40.10	660.25	42.60	664.34
2/2/2016	741.40		40.10	660.25	42.60	664.34
2/9/2016	741.00		40.10	660.25	42.60	664.34
2/16/2016	740.50		40.10	660.25	42.60	664.34
2/23/2016	740.20	0.35	40.10	660.25	42.60	664.34
3/1/2016	739.70		40.10	660.25	42.60	664.34
3/9/2016	739.40		40.10	660.25	42.60	664.34
3/17/2016	739.30		40.10	660.25	42.60	664.34
3/23/2016	739.10		40.10	660.25	42.60	664.34
3/30/2016	738.50	1.59	40.10	660.25	42.60	664.34
4/6/2016	738.00		40.10	660.25	42.60	664.34
4/13/2016	737.60		40.10	660.25	42.60	664.34

Notes:

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2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			No. 4		No. 5	
Top Ref. Elev. (ft)			698.000		703.500	
Top Ref. Elev. (ft) After 5/21/2012			700.345		706.935	
Tip Elev. (ft)			654.000		655.500	
Total Depth (ft)			44.0		48.0	
Total Depth (ft) After 5/21/2012			46.3		51.4	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			NO.4		NO.5	
4/20/2016	736.90		40.10	660.25	42.60	664.34
4/27/2016	736.20	0.07	40.10	660.25	42.60	664.34
5/4/2016	736.90		40.10	660.25	42.60	664.34
5/11/2016	737.50		40.10	660.25	42.60	664.34
5/18/2016	737.00		40.10	660.25	42.60	664.34
5/25/2016	737.60	1.21	40.10	660.25	42.60	664.34
6/1/2016	737.60		40.10	660.25	42.60	664.34
6/8/2016	737.90		40.10	660.25	42.60	664.34
6/15/2016	738.00		40.10	660.25	42.60	664.34
6/23/2016	737.70		40.10	660.25	42.60	664.34
6/29/2016	737.50	0.00	40.10	660.25	42.60	664.34
7/6/2016	737.40		40.10	660.25	42.60	664.34
7/15/2016	737.40		40.10	660.25	42.60	664.34
7/20/2016	737.10		40.10	660.25	42.60	664.34
7/27/2016	736.70	0.00	40.10	660.25	42.60	664.34
8/3/2016	736.90		40.10	660.25	42.60	664.34
8/10/2016	737.10		40.10	660.25	42.60	664.34
8/17/2016	736.60		40.10	660.25	42.60	664.34
8/24/2016	736.70		40.10	660.25	42.60	664.34
8/30/2016	736.70	0.00	40.10	660.25	42.60	664.34
9/7/2016	737.30		40.10	660.25	42.60	664.34
9/14/2016	737.90		40.10	660.25	42.60	664.34
9/21/2016	738.80		40.10	660.25	42.60	664.34
9/28/2016	739.60	0.00	40.10	660.25	42.60	664.34
10/5/2016	739.50		40.10	660.25	42.60	664.34
10/12/2016	739.20		40.10	660.25	42.60	664.34
10/19/2016	739.30		40.10	660.25	42.60	664.34

Notes:

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2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			No. 4		No. 5	
Top Ref. Elev. (ft)			698.000		703.500	
Top Ref. Elev. (ft) After 5/21/2012			700.345		706.935	
Tip Elev. (ft)			654.000		655.500	
Total Depth (ft)			44.0		48.0	
Total Depth (ft) After 5/21/2012			46.3		51.4	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			NO.4		NO.5	
10/26/2016	740.00	0.89	40.10	660.25	42.60	664.34
11/2/2016	741.80		40.10	660.25	42.60	664.34
11/9/2016	741.80		40.10	660.25	42.60	664.34
11/16/2016	744.00		40.10	660.25	42.60	664.34
11/23/2016	747.60		40.10	660.25	42.60	664.34
11/29/2016	750.90	1.62	40.10	660.25	42.60	664.34
12/7/2016	753.40		40.10	660.25	42.60	664.34
12/14/2016	753.70		40.10	660.25	42.60	664.34
12/21/2016	755.60		40.10	660.25	42.60	664.34
12/28/2016	757.00	4.37	40.10	660.25	42.60	664.34
1/4/2017	757.50		40.10	660.25	42.60	664.34
1/13/2017	758.10		40.10	660.25	42.60	664.34
1/18/2017	758.30		40.10	660.25	42.60	664.34
1/25/2017	758.00	6.73	40.10	660.25	42.60	664.34
2/1/2017	769.10		40.10	660.25	42.60	664.34
2/8/2017	769.70		40.10	660.25	42.60	664.34
2/15/2017	770.10		40.10	660.25	42.60	664.34
2/22/2017	771.80	4.17	40.10	660.25	42.60	664.34
3/1/2017	771.90		40.10	660.25	42.60	664.34
3/8/2017	771.20		40.10	660.25	42.00	664.94
3/15/2017	770.60		40.10	660.25	42.30	664.64
3/22/2017	769.60		40.10	660.25	42.30	664.64
3/29/2017	768.40	0.13	40.10	660.25	42.60	664.34
4/5/2017	769.10		40.10	660.25	42.60	664.34
4/12/2017	768.00		40.10	660.25	42.60	664.34
4/19/2017	767.90		40.10	660.25	42.60	664.34
4/26/2017	767.70	0.07	40.10	660.25	42.60	664.34

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			No. 4		No. 5	
Top Ref. Elev. (ft)			698.000		703.500	
Top Ref. Elev. (ft) After 5/21/2012			700.345		706.935	
Tip Elev. (ft)			654.000		655.500	
Total Depth (ft)			44.0		48.0	
Total Depth (ft) After 5/21/2012			46.3		51.4	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			NO.4		NO.5	
5/1/2017	767.40		40.10	660.25	42.60	664.34
5/10/2017	766.50		40.10	660.25	42.60	664.34
5/17/2017	765.90		40.10	660.25	42.60	664.34
5/24/2017	765.70		40.10	660.25	42.60	664.34
5/30/2017	765.50	0.36	40.10	660.25	42.60	664.34
6/7/2017	765.30		40.10	660.25	42.60	664.34
6/14/2017	765.10		40.10	660.25	42.60	664.34
6/21/2017	764.80		40.10	660.25	42.60	664.34
6/28/2017	764.70	0.05	40.10	660.25	42.60	664.34
7/5/2017	764.20		40.10	660.25	42.60	664.34
7/12/2017	763.80		40.10	660.25	42.60	664.34
7/19/2017	763.20		40.10	660.25	42.60	664.34
7/26/2017	762.70	0.00	40.10	660.25	42.60	664.34
8/2/2017	761.90		40.10	660.25	42.60	664.34
8/9/2017	761.60		40.10	660.25	42.60	664.34
8/16/2017	761.20		40.10	660.25	42.60	664.34
8/23/2017	760.60		40.10	660.25	42.60	664.34
8/30/2017	759.80	0.05	40.10	660.25	42.60	664.34
9/6/2017	758.90		40.10	660.25	42.60	664.34
9/13/2017	758.70		40.10	660.25	42.60	664.34
9/20/2017	758.30		40.10	660.25	42.60	664.34
9/27/2017	757.80	0.00	40.10	660.25	42.60	664.34
10/4/2017	757.60		40.10	660.25	42.60	664.34
10/10/2017	757.10		40.10	660.25	42.60	664.34
10/18/2017	756.90		40.10	660.25	42.60	664.34
10/25/2017	756.60	0.00	40.10	660.25	42.60	664.34
11/1/2017	755.70		40.10	660.25	42.60	664.34

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			No. 4		No. 5	
Top Ref. Elev. (ft)			698.000		703.500	
Top Ref. Elev. (ft) After 5/21/2012			700.345		706.935	
Tip Elev. (ft)			654.000		655.500	
Total Depth (ft)			44.0		48.0	
Total Depth (ft) After 5/21/2012			46.3		51.4	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			NO.4		NO.5	
11/8/2017	755.30		40.10	660.25	42.60	664.34
11/15/2017	755.10	0.29	40.10	660.25	42.60	664.34
12/6/2017	754.20		40.10	660.25	42.60	664.34
12/13/2017	753.90		40.10	660.25	42.60	664.34
12/20/2017	753.60		40.10	660.25	42.60	664.34
12/27/2017	753.30	0.00	40.10	660.25	42.60	664.34
1/3/2018	753.10		40.10	660.25	42.60	664.34
1/10/2018	753.10		40.10	660.25	42.60	664.34
1/17/2018	753.00		40.10	660.25	42.60	664.34
1/24/2018	752.80		40.10	660.25	42.60	664.34
1/30/2018	752.60	1.79	40.10	660.25	42.60	664.34
2/7/2018	752.30		40.10	660.25	42.60	664.34
2/14/2018	751.80		40.10	660.25	42.60	664.34
2/21/2018	750.20		40.10	660.25	42.60	664.34
2/27/2018	750.30	0.60	40.10	660.25	42.60	664.34
3/7/2018	750.20		40.10	660.25	42.60	664.34
3/15/2018	750.10		40.10	660.25	42.60	664.34
3/21/2018	750.80		40.10	660.25	42.60	664.34
3/28/2018	750.90	0.56	40.10	660.25	42.60	664.34
4/4/2018	751.70		40.10	660.25	42.60	664.34
4/11/2018	751.70		40.10	660.25	42.60	664.34
4/18/2018	750.80		40.10	660.25	42.60	664.34
4/25/2018	749.50	0.05	40.10	660.25	42.60	664.34
5/1/2018	750.50		40.10	660.25	42.60	664.34
5/8/2018	749.40		40.10	660.25	42.60	664.34
5/15/2018	748.30		40.10	660.25	42.60	664.34
5/22/2018	747.00		40.10	660.25	42.60	664.34

Notes:

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2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			No. 4		No. 5	
Top Ref. Elev. (ft)			698.000		703.500	
Top Ref. Elev. (ft) After 5/21/2012			700.345		706.935	
Tip Elev. (ft)			654.000		655.500	
Total Depth (ft)			44.0		48.0	
Total Depth (ft) After 5/21/2012			46.3		51.4	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			NO.4		NO.5	
5/29/2018	745.60	0.32	40.10	660.25	42.60	664.34
6/6/2018	744.70		40.10	660.25	42.60	664.34
6/13/2018	743.70		40.10	660.25	42.60	664.34
6/20/2018	742.50		40.10	660.25	42.60	664.34
6/27/2018	741.20	0.00	40.10	660.25	42.60	664.34
7/5/2018	739.80		40.10	660.25	43.60	663.34
7/11/2018	738.70		40.10	660.25	43.60	663.34
7/18/2018	738.50		40.10	660.25	43.60	663.34
7/25/2018	738.40	0.00	40.10	660.25	43.60	663.34
8/1/2018	738.10		40.10	660.25	43.60	663.34
8/8/2018	737.80		40.10	660.25	43.60	663.34
8/15/2018	737.70		40.10	660.25	43.60	663.34
8/22/2018	737.90		40.10	660.25	43.60	663.34
8/29/2018	737.90	0.00	40.10	660.25	43.60	663.34
9/5/2018	738.00		40.10	660.25	43.60	663.34
9/12/2018	737.90		40.10	660.25	43.60	663.34
9/19/2018	737.60		40.10	660.25	43.60	663.34
9/26/2018	737.30	0.00	40.10	660.25	43.60	663.34
10/3/2018	737.50		40.10	660.25	43.60	663.34
10/10/2018	737.70		40.10	660.25	43.60	663.34
10/17/2018	738.20		40.10	660.25	43.60	663.34
10/24/2018	738.60		40.10	660.25	43.60	663.34
10/30/2018	738.50	0.69	40.10	660.25	43.60	663.34
11/7/2018	738.40		40.10	660.25	43.60	663.34
11/16/2018	737.70		40.10	660.25	43.60	663.34
11/21/2018	737.50		40.10	660.25	43.60	663.34
11/28/2018	737.20	1.66	40.10	660.25	43.60	663.34

Notes:

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TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			No. 4		No. 5	
Top Ref. Elev. (ft)			698.000		703.500	
Top Ref. Elev. (ft) After 5/21/2012			700.345		706.935	
Tip Elev. (ft)			654.000		655.500	
Total Depth (ft)			44.0		48.0	
Total Depth (ft) After 5/21/2012			46.3		51.4	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			NO.4		NO.5	
12/5/2018	737.60		40.10	660.25	43.60	663.34
12/12/2018	737.70		40.10	660.25	43.60	663.34
12/19/2018	737.60		40.10	660.25	43.60	663.34
12/27/2018	737.40	2.05	40.10	660.25	43.60	663.34
1/2/2019	737.10		40.10	660.25	43.60	663.34
1/9/2019	738.40		40.10	660.25	43.60	663.34
1/16/2019	738.50		40.10	660.25	43.60	663.34
1/23/2019	740.80		40.10	660.25	43.60	663.34
1/30/2019	740.70	5.18	40.10	660.25	43.60	663.34
2/6/2019	745.80		40.10	660.25	43.60	663.34
2/13/2019	747.80		40.10	660.25	43.60	663.34
2/20/2019	764.70		40.10	660.25	43.60	663.34
2/27/2019	766.80	8.65	40.10	660.25	42.00	664.94
3/6/2019	769.50		40.10	660.25	42.00	664.94
3/13/2019	772.00		40.10	660.25	42.00	664.94
3/20/2019	773.30		40.10	660.25	42.00	664.94
3/27/2019	774.30	2.49	40.10	660.25	42.00	664.94
4/3/2019	774.50		40.10	660.25	42.20	664.74
4/10/2019	774.70		40.10	660.25	42.20	664.74
1/17/2019	774.80		40.10	660.25	42.20	664.74
4/24/2019	774.90	0.10	40.10	660.25	42.20	664.74
5/1/2019	774.90		40.10	660.25	43.60	663.34
5/8/2019	774.90		40.10	660.25	43.60	663.34
5/15/2019	774.60		40.10	660.25	43.60	663.34
5/22/2019	773.90		40.10	660.25	43.60	663.34
5/29/2019	773.10	1.07	40.10	660.25	43.60	663.34
6/5/2019	772.10		40.10	660.25	43.60	663.34

Notes:

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2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			No. 4		No. 5	
Top Ref. Elev. (ft)			698.000		703.500	
Top Ref. Elev. (ft) After 5/21/2012			700.345		706.935	
Tip Elev. (ft)			654.000		655.500	
Total Depth (ft)			44.0		48.0	
Total Depth (ft) After 5/21/2012			46.3		51.4	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			NO.4		NO.5	
6/12/2019	770.80		40.10	660.25	43.60	663.34
6/19/2019	769.50		40.10	660.25	43.60	663.34
6/26/2019	768.10	0.03	40.10	660.25	43.60	663.34
7/3/2019	766.70		40.10	660.25	43.60	663.34
7/5/2019	766.20		40.10	660.25	43.60	663.34
7/10/2019	765.10		40.10	660.25	43.60	663.34
7/17/2019	763.40		40.10	660.25	43.60	663.34
7/24/2019	761.70		40.10	660.25	43.60	663.34
7/30/2019	760.50	0.00	40.10	660.25	43.60	663.34
8/7/2019	759.60		40.10	660.25	43.60	663.34
8/14/2019	758.80		40.10	660.25	43.60	663.34
8/21/2019	757.80		40.10	660.25	43.60	663.34
8/28/2019	757.20	0.00	40.10	660.25	43.60	663.34
9/4/2019	756.70		40.10	660.25	43.60	663.34
9/11/2019	756.30		40.10	660.25	43.60	663.34
9/18/2019	755.90		40.10	660.25	43.60	663.34
9/25/2019	755.20	0.00	40.10	660.25	43.60	663.34
10/2/2019	754.60		40.10	660.25	43.60	663.34
10/10/2019	754.30		40.10	660.25	43.60	663.34
10/16/2019	753.90		40.10	660.25	43.60	663.34
10/26/2019	752.70		40.10	660.25	43.60	663.34
10/30/2019	752.30	0.00	40.10	660.25	43.60	663.34
11/6/2019	751.70		40.10	660.25	43.60	663.34
11/13/2019	751.30		40.10	660.25	43.60	663.34
11/20/2019	751.20		40.10	660.25	43.60	663.34
11/27/2019	751.10	2.38	40.10	660.25	43.60	663.34

Notes:
1. Readings in red are classified as erroneous.
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TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			No. 4		No. 5	
Top Ref. Elev. (ft)			698.000		703.500	
Top Ref. Elev. (ft) After 5/21/2012			700.345		706.935	
Tip Elev. (ft)			654.000		655.500	
Total Depth (ft)			44.0		48.0	
Total Depth (ft) After 5/21/2012			46.3		51.4	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			NO.4		NO.5	
12/4/2019	751.20		40.10	660.25	43.60	663.34
12/11/2019	751.40		40.10	660.25	43.60	663.34
12/18/2019	751.30		40.10	660.25	43.60	663.34
12/26/2019	751.60	4.61	40.10	660.25	43.60	663.34
1/2/2020	751.80		40.10	660.25	43.60	663.34
1/8/2020	751.90		40.10	660.25	43.60	663.34
1/15/2020	751.90		40.10	660.25	43.60	663.34
1/22/2020	751.90		40.10	660.25	43.60	663.34
1/29/2020	752.00	0.15	40.10	660.25	43.60	663.34
2/5/2020	751.90		40.10	660.25	43.60	663.34
2/12/2020	751.90		40.10	660.25	43.60	663.34
2/19/2020	751.90		40.10	660.25	43.60	663.34
2/26/2020	751.90	0.53	40.10	660.25	43.60	663.34
3/4/2020	751.80		40.10	660.25	43.60	663.34
3/11/2020	751.80		40.10	660.25	43.60	663.34
3/18/2020	752.10		40.10	660.25	43.60	663.34
3/25/2020	753.30	4.31	40.10	660.25	43.60	663.34
4/1/2020	753.60		40.10	660.25	43.60	663.34
4/8/2020	755.80		40.10	660.25	43.60	663.34
4/15/2020	760.50		40.10	660.25	43.60	663.34
4/22/2020	761.50		40.10	660.25	43.60	663.34
4/29/2020	761.90	3.88	40.10	660.25	43.60	663.34
5/6/2020	761.20		40.10	660.25	43.60	663.34
5/13/2020	762.10		40.10	660.25	43.60	663.34
5/20/2020	762.20		40.10	660.25	43.60	663.34
5/27/2020	762.10	0.03	40.10	660.25	43.60	663.34
6/3/2020	761.90		40.10	660.25	43.60	663.34

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			No. 4		No. 5	
Top Ref. Elev. (ft)			698.000		703.500	
Top Ref. Elev. (ft) After 5/21/2012			700.345		706.935	
Tip Elev. (ft)			654.000		655.500	
Total Depth (ft)			44.0		48.0	
Total Depth (ft) After 5/21/2012			46.3		51.4	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			NO.4		NO.5	
6/10/2020	761.80		40.10	660.25	43.60	663.34
6/19/2020	760.10		40.10	660.25	43.60	663.34
6/24/2020	759.00	0.00	40.10	660.25	43.60	663.34
7/1/2020	757.30		40.10	660.25	42.60	664.34
7/8/2020	755.80		40.10	660.25	42.60	664.34
7/15/2020	754.40		40.10	660.25	42.60	664.34
7/22/2020	752.90		40.10	660.25	42.60	664.34
7/29/2020	751.40	0.00	40.10	660.25	42.60	664.34
8/5/2020	749.90		40.10	660.25	42.60	664.34
8/12/2020	749.60		40.10	660.25	42.60	664.34
8/19/2020	749.10		40.10	660.25	42.60	664.34
8/26/2020	747.90	0.00	40.10	660.25	42.60	664.34
9/2/2020	746.40		40.10	660.25	42.60	664.34
9/9/2020	745.70		40.10	660.25	42.60	664.34
9/16/2020	745.20		40.10	660.25	42.60	664.34
9/19/2020	747.80		40.10	660.25	42.60	664.34
9/23/2020	749.40		40.10	660.25	42.60	664.34
9/30/2020	743.50	0.00	40.10	660.25	42.60	664.34
10/7/2020	742.70		40.10	660.25	42.60	664.34
10/14/2020	741.60		40.10	660.25	42.60	664.34
10/21/2020	740.30		40.10	660.25	42.60	664.34
10/28/2020	739.90	0.00	40.10	660.25	42.60	664.34
11/4/2020	739.40		40.10	660.25	42.60	664.34
11/10/2020	739.20		40.10	660.25	42.60	664.34
11/18/2020	739.00		40.10	660.25	42.60	664.34
11/25/2020	738.80	0.54	40.10	660.25	42.60	664.34
12/2/2020	738.50		40.10	660.25	42.60	664.34

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			No. 4		No. 5	
Top Ref. Elev. (ft)			698.000		703.500	
Top Ref. Elev. (ft) After 5/21/2012			700.345		706.935	
Tip Elev. (ft)			654.000		655.500	
Total Depth (ft)			44.0		48.0	
Total Depth (ft) After 5/21/2012			46.3		51.4	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			NO.4		NO.5	
12/9/2020	738.20		40.10	660.25	42.60	664.34
12/16/2020	738.00		40.10	660.25	42.60	664.34
12/23/2020	738.20	1.72	40.10	660.25	42.60	664.34
1/6/2021	742.10		40.10	660.25	42.60	664.34
1/13/2021	742.10		40.10	660.25	42.60	664.34
1/20/2021	741.80		40.10	660.25	42.60	664.34
1/27/2021	741.70	1.36	40.10	660.25	42.60	664.34
2/3/2021	741.80		40.10	660.25	42.60	664.34
2/10/2021	741.60		40.10	660.25	42.60	664.34
2/17/2021	741.40		40.10	660.25	42.60	664.34
2/24/2021	741.00	0.14	40.10	660.25	42.60	664.34
3/3/2021	740.80		40.10	660.25	42.60	664.34
3/10/2021	740.60		40.10	660.25	42.60	664.34
3/17/2021	741.00		40.10	660.25	42.60	664.34
3/24/2021	740.90		40.10	660.25	42.60	664.34
3/31/2021	740.60	1.53	40.10	660.25	42.60	664.34
4/7/2021	740.80		40.10	660.25	42.60	664.34
4/14/2021	740.70		40.10	660.25	42.60	664.34
4/21/2021	741.30		40.10	660.25	42.60	664.34
4/28/2021	742.00	0.00	40.10	660.25	42.60	664.34
5/5/2021	741.90		40.10	660.25	42.60	664.34
5/15/2021	740.80		40.10	660.25	42.60	664.34
5/19/2021	740.40		40.10	660.25	42.60	664.34
5/26/2021	740.10	0.05	40.10	660.25	42.60	664.34
6/2/2021	739.60		40.10	660.25	42.60	664.34
6/9/2021	738.30		40.10	660.25	42.60	664.34
6/16/2021	737.20		40.10	660.25	42.60	664.34
6/23/2021	736.00		40.10	660.25	42.60	664.34

Notes:
1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			No. 4		No. 5	
Top Ref. Elev. (ft)			698.000		703.500	
Top Ref. Elev. (ft) After 5/21/2012			700.345		706.935	
Tip Elev. (ft)			654.000		655.500	
Total Depth (ft)			44.0		48.0	
Total Depth (ft) After 5/21/2012			46.3		51.4	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			NO.4		NO.5	
6/30/2021	736.40	0.00	40.10	660.25	42.60	664.34
7/7/2021	737.00		40.10	660.25	42.60	664.34
7/14/2021	737.40		40.10	660.25	42.60	664.34
7/21/2021	737.80		40.10	660.25	42.60	664.34
7/28/2021	736.40	0.05	40.10	660.25	42.60	664.34
8/4/2021	736.30		40.10	660.25	42.60	664.34
8/11/2021	735.90		40.10	660.25	42.60	664.34
8/18/2021	735.90		40.10	660.25	42.60	664.34
8/25/2021	735.70	0.00	40.10	660.25	42.60	664.34
9/1/2021	735.60		40.10	660.25	42.60	664.34
9/8/2021	736.00		40.10	660.25	42.60	664.34
9/15/2021	737.00		40.10	660.25	42.60	664.34
9/22/2021	737.50		40.10	660.25	42.60	664.34
9/29/2021	738.00	0.00	40.10	660.25	42.60	664.34
10/6/2021	738.20		40.10	660.25	42.60	664.34
10/13/2021	738.70		40.10	660.25	42.60	664.34
10/22/2021	738.80		40.10	660.25	42.60	664.34
10/27/2021	739.00	0.46	40.10	660.25	42.60	664.34
11/3/2021	739.60		40.10	660.25	42.60	664.34
11/10/2021	740.20		40.10	660.25	42.60	664.34
11/17/2021	740.20		40.10	660.25	42.60	664.34
11/24/2021	739.90	0.00	40.10	660.25	42.60	664.34
12/1/2021	739.50		40.10	660.25	42.60	664.34
12/8/2021	739.40		40.10	660.25	42.60	664.34
12/15/2021	740.00		40.10	660.25	42.60	664.34
12/22/2021	740.00		40.10	660.25	42.60	664.34
12/29/2021	743.00	7.24	40.10	660.25	42.60	664.34

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			No. 4		No. 5	
Top Ref. Elev. (ft)			698.000		703.500	
Top Ref. Elev. (ft) After 5/21/2012			700.345		706.935	
Tip Elev. (ft)			654.000		655.500	
Total Depth (ft)			44.0		48.0	
Total Depth (ft) After 5/21/2012			46.3		51.4	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			NO.4		NO.5	
1/6/2022	744.20		40.10	660.25	42.60	664.34
1/12/2022	744.20		40.10	660.25	42.60	664.34
1/19/2022	744.10		40.10	660.25	42.60	664.34
1/26/2022	744.00	0.05	40.10	660.25	42.60	664.34
2/2/2022	743.80		40.10	660.25	42.60	664.34
2/9/2022	743.70		40.10	660.25	42.60	664.34
2/16/2022	743.60		40.10	660.25	42.60	664.34
2/28/2022	743.40	0.04	40.10	660.25	42.60	664.34
3/2/2022	743.30		40.10	660.25	42.60	664.34
3/9/2022	743.10		40.10	660.25	42.60	664.34
3/16/2022	743.00		40.10	660.25	42.60	664.34
3/23/2022	742.80		40.10	660.25	42.60	664.34
3/30/2022	742.10	1.28	40.10	660.25	42.60	664.34
4/6/2022	741.90		40.10	660.25	42.60	664.34
4/13/2022	741.60		40.10	660.25	42.60	664.34
4/20/2022	741.10		40.10	660.25	42.60	664.34
4/27/2022	740.20	0.25	40.10	660.25	42.60	664.34
5/4/2022	739.30		40.10	660.25	42.60	664.34
5/11/2022	738.10		40.10	660.25	42.60	664.34
5/18/2022	737.90		40.10	660.25	42.60	664.34
5/25/2022	737.00	0.00	40.10	660.25	42.60	664.34
6/1/2022	737.00		40.10	660.25	42.60	664.34
6/8/2022	738.00		40.10	660.25	42.60	664.34
6/15/2022	738.60		40.10	660.25	42.60	664.34
6/22/2022	741.70		40.10	660.25	42.60	664.34
6/29/2022	742.80	0.00	40.10	660.25	42.60	664.34
7/6/2022	744.60		40.10	660.25	42.60	664.34

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			No. 4		No. 5	
Top Ref. Elev. (ft)			698.000		703.500	
Top Ref. Elev. (ft) After 5/21/2012			700.345		706.935	
Tip Elev. (ft)			654.000		655.500	
Total Depth (ft)			44.0		48.0	
Total Depth (ft) After 5/21/2012			46.3		51.4	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			NO.4		NO.5	
7/13/2022	745.50		40.10	660.25	42.60	664.34
7/20/2022	745.50		40.10	660.25	42.60	664.34
7/27/2022	744.50	0.03	40.10	660.25	42.60	664.34
8/3/2022	743.00		40.10	660.25	42.60	664.34
8/10/2022	742.10		40.10	660.25	42.60	664.34
8/17/2022	744.60		40.10	660.25	42.60	664.34
8/24/2022	746.60		40.10	660.25	42.60	664.34
8/31/2022	748.70	0.03	40.10	660.25	42.60	664.34
9/7/2022	749.60		40.10	660.25	42.60	664.34
9/14/2022	749.00		40.10	660.25	42.60	664.34
9/21/2022	747.60		40.10	660.25	42.60	664.34
9/28/2022	746.00	0.29	40.10	660.25	42.60	664.34
10/5/2022	744.90		40.10	660.25	42.60	664.34
10/12/2022	743.90		40.10	660.25	42.60	664.34
10/19/2022	743.70		40.10	660.25	42.60	664.34
10/26/2022	743.50	0.44	40.10	660.25	42.60	664.34
11/2/2022	743.40		40.10	660.25	42.60	664.34
11/9/2022	744.40		40.10	660.25	42.60	664.34
11/16/2022	744.30		40.10	660.25	42.60	664.34
11/23/2022	744.00		40.10	660.25	42.60	664.34
11/30/2022	743.70	1.24	40.10	660.25	42.60	664.34
12/1/2022	739.50		40.10	660.25	42.60	664.34
12/8/2022	739.40		40.10	660.25	42.60	664.34
12/15/2022	740.00		40.10	660.25	42.60	664.34
12/22/2022	740.00		40.10	660.25	42.60	664.34
12/29/2022	742.00	2.62	40.10	660.25	42.60	664.34
1/4/2023	745.60		40.10	660.25	42.60	664.34

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			No. 4		No. 5	
Top Ref. Elev. (ft)			698.000		703.500	
Top Ref. Elev. (ft) After 5/21/2012			700.345		706.935	
Tip Elev. (ft)			654.000		655.500	
Total Depth (ft)			44.0		48.0	
Total Depth (ft) After 5/21/2012			46.3		51.4	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			NO.4		NO.5	
1/11/2023	748.90		40.10	660.25	42.60	664.34
1/18/2023	758.90		40.10	660.25	42.60	664.34
1/25/2023	760.90	6.31	40.10	660.25	42.60	664.34
2/1/2023	761.50		40.10	660.25	42.60	664.34
2/8/2023	761.80		40.10	660.25	42.60	664.34
2/15/2023	762.00		40.10	660.25	42.60	664.34
2/22/2023	762.20	2.95	40.10	660.25	42.60	664.34
3/1/2023	763.60		37.00	663.35	42.60	664.34
3/8/2023	764.10		36.80	663.55	42.60	664.34
3/15/2023	764.30		36.40	663.95	41.80	665.14
3/22/2023	772.80		36.40	663.95	41.80	665.14
3/29/2023	775.60	6.45	36.40	663.95	41.80	665.14
4/5/2023	777.40		38.20	662.15	42.00	664.94
4/12/2023	778.90		40.10	660.25	42.30	664.64
4/19/2023	779.50		40.10	660.25	42.30	664.64
4/26/2023	779.80	0.10	40.10	660.25	42.30	664.64
5/3/2023	779.80		40.10	660.25	42.30	664.64
5/10/2023	779.90		40.10	660.25	42.30	664.64
5/17/2023	779.70		40.10	660.25	42.60	664.34
5/24/2023	779.60	0.79	40.10	660.25	42.60	664.34
5/31/2023	779.20		40.10	660.25	42.60	664.34
6/7/2023	779.20		40.10	660.25	42.60	664.34
6/14/2023	778.90		40.10	660.25	42.60	664.34
6/21/2023	778.50		40.10	660.25	42.60	664.34
6/28/2023	777.90	0.09	40.10	660.25	42.60	664.34
7/5/2023	777.40		40.10	660.25	42.60	664.34
7/12/2023	776.70		40.10	660.25	42.60	664.34

Notes:

1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 2
SANTIAGO CREEK DAM
PIEZOMETER READINGS
JANUARY 2007 THROUGH DECEMBER 2023

Piezometer Number			No. 4		No. 5	
Top Ref. Elev. (ft)			698.000		703.500	
Top Ref. Elev. (ft) After 5/21/2012			700.345		706.935	
Tip Elev. (ft)			654.000		655.500	
Total Depth (ft)			44.0		48.0	
Total Depth (ft) After 5/21/2012			46.3		51.4	
Date	Reservoir W.S. Elev. (ft)	Monthly Rainfall (inch)	Depth to Water (ft)	W.S. Elev. (ft)	Depth to Water (ft)	W.S. Elev. (ft)
			NO.4		NO.5	
7/19/2023	776.00		40.10	660.25	42.60	664.34
7/26/2023	775.00	0.00	40.10	660.25	42.60	664.34
8/3/2023	774.40		40.10	660.25	42.60	664.34
8/9/2023	774.00		40.10	660.25	42.60	664.34
8/16/2023	773.50		40.10	660.25	42.60	664.34
8/23/2023	773.50		40.10	660.25	42.60	664.34
8/31/2023	773.30	2.00	40.10	660.25	42.60	664.34
9/6/2023	773.20		40.10	660.25	42.60	664.34
9/13/2023	772.60		40.10	660.25	42.60	664.34
9/20/2023	772.10		40.10	660.25	42.60	664.34
9/27/2023	771.40	0.04	40.10	660.25	42.60	664.34
10/5/2023	770.40		40.10	660.25	42.60	664.34
10/12/2023	769.50		40.10	660.25	42.60	664.34
10/18/2023	768.30		40.10	660.25	42.60	664.34
10/25/2023	765.20	0.18	40.10	660.25	42.60	664.34
11/2/2023	762.70		40.10	660.25	42.60	664.34
11/8/2023	762.50		40.10	660.25	42.60	664.34
11/16/2023	762.40		40.10	660.25	42.60	664.34
11/21/2023	762.10		40.10	660.25	42.60	664.34
11/28/2023	761.60	0.52	40.10	660.25	42.60	664.34
12/7/2023	761.00		40.10	660.25	42.60	664.34
12/12/2023	760.70		40.10	660.25	42.60	664.34
12/19/2023	760.20	1.09	40.10	660.25	42.60	664.34

Notes:
1. Readings in red are classified as erroneous.
2. Piezometer data based on NAVD 88 datum.

TABLE 3
SANTIAGO CREEK DAM
ELEVATIONS OF BENCHMARK BM-0 AND
SURVEY MONUMENTS BM-1, BM-2, BM-3, BM-4 AND BM-5
1989 THROUGH 2023

Date	Reservoir Elevation (ft)	Temp. (°C)	BM-0 (ft)	BM-1 (ft)	BM-2 (ft)	BM-3 (ft)	BM-4 (ft)	BM-5 (ft)
12/21/1989			830.540	811.923	811.768	811.620	815.450	815.610
10/11/1990			830.538	811.923	811.748	811.613	815.455	815.620
7/26/1991			830.535	811.918	811.743	811.613	815.458	815.625
12/20/1991			830.540	811.918	811.745	811.615	815.450	815.620
8/4/1992			830.535	811.913	811.750	811.613	815.440	815.610
1/14/1993			830.545	811.913	811.747	811.623	815.445	815.620
9/15/1993			830.535	811.888	811.728	811.600	815.420	815.600
1/7/1994			830.540	811.890	811.730	811.600	815.418	815.600
7/28/1994			830.538	811.893	811.730	811.600	815.415	815.595
2/6/1995			830.543	811.898	811.730	811.600	815.408	815.590
6/26/1996			830.538	811.893	811.733	811.600	815.405	815.595
1/24/1997			830.543	811.905	811.750	811.615	815.403	815.595
1/24/1997			830.543	811.905	811.750	811.615	815.403	815.595
1/16/1998			830.540	811.900	811.748	811.610	815.405	815.600
1/20/1999			830.540	811.890	811.738	811.608	815.395	815.600
3/14/2000			830.540	811.897	811.740	811.610	815.395	815.600
1/31/2002			830.540	811.900	811.745	811.610	815.395	815.605
8/27/2003			830.540	811.890	811.730	811.590	815.400	815.605
8/2/2004			830.540	811.900	811.750	811.605	815.405	815.610

Note:
1. Vertical data is referenced in NAVD 88 datum.

TABLE 3
SANTIAGO CREEK DAM
ELEVATIONS OF BENCHMARK BM-0 AND
SURVEY MONUMENTS BM-1, BM-2, BM-3, BM-4 AND BM-5
1989 THROUGH 2023

Date	Reservoir Elevation (ft)	Temp. (°C)	BM-0 (ft)	BM-1 (ft)	BM-2 (ft)	BM-3 (ft)	BM-4 (ft)	BM-5 (ft)
2/7/2005			830.540	811.900	811.745	811.615	815.410	815.620
3/1/2006			830.540	811.900	811.745	811.610	815.400	815.615
1/9/2007			830.540	811.900	811.750	811.610	815.395	815.610
6/5/2008			830.540	811.900	811.745	811.610	815.390	815.610
6/15/2009			830.540	811.905	811.750	811.620	815.400	815.630
5/20/2010			830.540	811.885	811.730	811.600	815.390	815.610
5/12/2011			830.540	811.895	811.740	811.610	815.400	815.625
5/21/2012			830.540	811.900	811.740	811.615	815.400	815.630
6/12/2013			830.540	811.895	811.740	811.600	815.390	815.620
4/22/2014			830.540	811.895	811.740	811.600	815.385	815.615
6/5/2015			830.540	811.900	811.740	811.600	815.380	815.610
7/26/2016			830.540	811.905	811.745	811.605	815.390	815.620
1/1/2017								
1/1/2018			830.540	811.910	811.755	811.620	815.400	815.630
6/5/2019			830.540	811.900	811.740	811.595	815.380	815.615
12/8/2020			830.540	811.907	811.747	811.608	815.383	815.616
5/12/2022			830.540	811.909	811.750	811.600	815.386	815.620
11/3/2022			830.540	811.907	811.748	811.603	815.392	815.629
12/6/2023	761.1	20.0	830.540	811.913	811.746	811.606	815.393	815.632

Note:
1. Vertical data is referenced in NAVD 88 datum.

TABLE 4
SANTIAGO CREEK DAM
NET HISTORICAL DISPLACEMENTS, BM-1, BM-2, BM-3, BM-4 AND BM-5
IN THE NORTH-SOUTH AND EAST-WEST DIRECTIONS
1994 THROUGH 2023

Date	Reservoir Elevation (ft)	Temp. (°C)	Horizontal Displacement Measured in Feet and Inches													
			BM-0		BM-1						BM-2					
			Northing	Easting	Northing	N(+)/S(-) Feet	N(+)/S(-) Inches	Easting	E(+)/W(-) Feet	E(+)/W(-) Inches	Northing	N(+)/S(-) Feet	N(+)/S(-) Inches	Easting	E(+)/W(-) Feet	E(+)/W(-) Inches
1/7/1994			4875.1482	4987.4599	5251.5595	0.0000	0.0000	4711.7814	0.0000	0.0000	5544.9316	0.0000	0.0000	4597.1356	0.0000	0.0000
7/28/1994			4875.1390	4987.4510	5251.5558	-0.0037	-0.0444	4711.7914	0.0100	0.1200	5544.9194	-0.0122	-0.1464	4597.1528	0.0172	0.2064
2/6/1995			4875.1388	4987.4534	5251.5540	-0.0055	-0.0660	4711.7765	-0.0049	-0.0588	5544.9218	-0.0098	-0.1176	4597.1224	-0.0132	-0.1584
6/26/1996			4875.1390	4987.4510	5251.5581	-0.0014	-0.0168	4711.7802	-0.0012	-0.0144	5544.9177	-0.0139	-0.1668	4597.1336	-0.0020	-0.0240
1/24/1997			4875.1393	4987.4480	5251.5817	0.0222	0.2664	4711.7476	-0.0338	-0.4056	5544.9240	-0.0076	-0.0912	4597.1085	-0.0271	-0.3252
1/24/1997			4875.1393	4987.4480	5251.5817	0.0222	0.2664	4711.7476	-0.0338	-0.4056	5544.9294	-0.0022	-0.0264	4597.1085	-0.0271	-0.3252
1/16/1998			4875.1339	4987.4523	5251.5756	0.0161	0.1932	4711.7490	-0.0324	-0.3888	5544.9179	-0.0137	-0.1644	4597.1171	-0.0185	-0.2220
1/20/1999			4875.1345	4987.4664	5251.5644	0.0049	0.0588	4711.7618	-0.0196	-0.2352	5544.9046	-0.0270	-0.3240	4597.1310	-0.0046	-0.0552
3/14/2000			4875.1354	4987.4672	5251.5552	-0.0043	-0.0516	4711.7949	0.0135	0.1620	5544.9129	-0.0187	-0.2244	4597.1372	0.0016	0.0192
1/31/2002			4875.1402	4987.4591	5251.5637	0.0042	0.0504	4711.7851	0.0037	0.0444	5544.9277	-0.0039	-0.0468	4597.1303	-0.0053	-0.0636
8/27/2003			4875.1394	4987.4669	5251.5584	-0.0011	-0.0132	4711.8109	0.0295	0.3540	5544.9063	-0.0253	-0.3036	4597.1502	0.0146	0.1752
8/2/2004			4875.1505	4987.4668	5251.5631	0.0036	0.0432	4711.8084	0.0270	0.3240	5544.9111	-0.0205	-0.2460	4597.1466	0.0110	0.1320
2/7/2005			4875.1387	4987.4644	5251.5589	-0.0006	-0.0072	4711.8047	0.0233	0.2796	5544.9131	-0.0185	-0.2220	4597.1493	0.0137	0.1644
3/1/2006			4875.1408	4987.4438	5251.5682	0.0087	0.1044	4711.7969	0.0155	0.1860	5544.9260	-0.0056	-0.0672	4597.1397	0.0041	0.0492
1/9/2007			4875.1424	4987.4575	5251.5562	-0.0033	-0.0396	4711.8050	0.0236	0.2832	5544.9198	-0.0118	-0.1416	4597.1566	0.0210	0.2520
6/5/2008			4875.1551	4987.4612	5251.5571	-0.0024	-0.0288	4711.8124	0.0310	0.3720	5544.9157	-0.0159	-0.1908	4597.1596	0.0240	0.2880
6/15/2009			4875.1524	4987.4579	5251.5663	0.0068	0.0816	4711.8019	0.0205	0.2460	5544.9262	-0.0054	-0.0648	4597.1518	0.0162	0.1944
5/20/2010			4875.1519	4987.4627	5251.5630	0.0035	0.0420	4711.8057	0.0243	0.2916	5544.9190	-0.0126	-0.1512	4597.1572	0.0216	0.2592
5/12/2011			4875.1504	4987.4583	5251.5628	0.0033	0.0396	4711.8002	0.0188	0.2256	5544.9210	-0.0106	-0.1272	4597.1516	0.0160	0.1920
5/21/2012			4875.1476	4987.4561	5251.5614	0.0019	0.0228	4711.7990	0.0176	0.2112	5544.9194	-0.0122	-0.1464	4597.1528	0.0172	0.2064
6/12/2013			4875.1484	4987.4575	5251.5621	0.0026	0.0312	4711.7982	0.0168	0.2016	5544.9214	-0.0102	-0.1224	4597.1554	0.0198	0.2376
4/22/2014			4875.1527	7987.4554	5251.5636	0.0041	0.0492	4711.8022	0.0208	0.2496	5544.9230	-0.0086	-0.1032	4597.1542	0.0186	0.2232
6/5/2015			4875.1513	4987.4590	5251.5720	0.0125	0.1500	4711.8095	0.0281	0.3372	5544.9284	-0.0032	-0.0384	4597.1666	0.0310	0.3720
7/26/2016			4875.1543	4987.4587	5251.5631	0.0036	0.0432	4711.8084	0.0270	0.3240	5544.9185	-0.0131	-0.1572	4597.1616	0.0260	0.3120
1/1/2017																
1/1/2018			4875.1642	4987.4505	5251.5627	0.0032	0.0384	4711.8173	0.0359	0.4308	5544.9252	-0.0064	-0.0768	4597.1689	0.0333	0.3996
6/5/2019			4875.1455	4987.4468	5251.5654	0.0059	0.0708	4711.7945	0.0131	0.1572	5544.9329	0.0013	0.0156	4597.1592	0.0236	0.2832
12/8/2020			4875.1562	4987.4588	5251.5627	0.0032	0.0384	4711.8173	0.0359	0.4308	5544.9177	-0.0139	-0.1668	4597.1725	0.0369	0.4433
5/12/2022			4875.1552	4987.4568	5251.5622	0.0027	0.0320	4711.8161	0.0347	0.4165	5544.9206	-0.0110	-0.1320	4597.1666	0.0310	0.3715
11/3/2022			4875.1441	4987.4592	5251.5556	-0.0039	-0.0463	4711.8129	0.0315	0.3778	5544.9277	-0.0039	-0.0463	4597.1857	0.0501	0.6008
12/6/2023	761.1	20.0	4875.1571	4987.4603	5251.5534	-0.0061	-0.0732	4711.8084	0.0270	0.3239	5544.9187	-0.0130	-0.1554	4597.1650	0.0294	0.3526

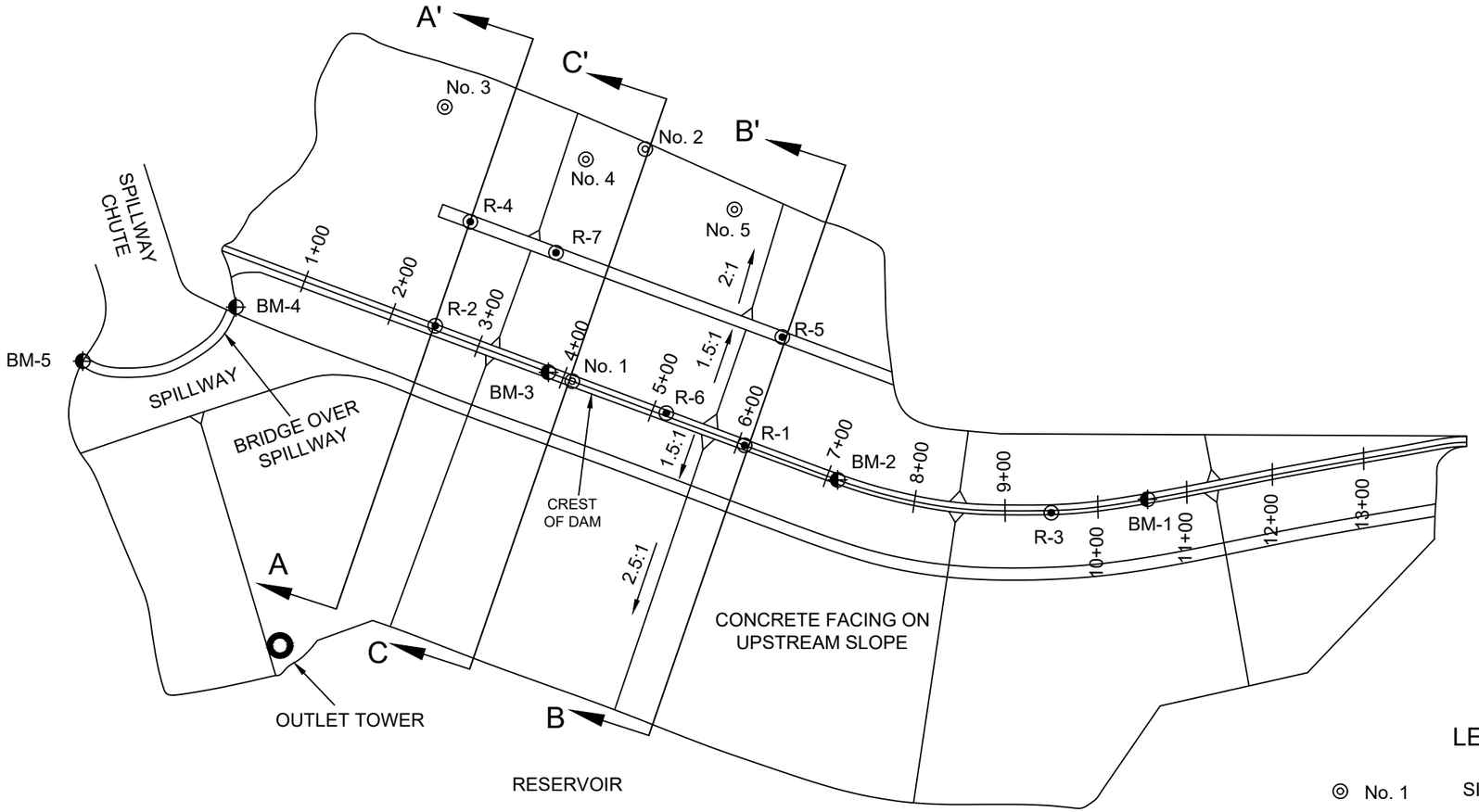
TABLE 4
SANTIAGO CREEK DAM
NET HISTORICAL DISPLACEMENTS, BM-1, BM-2, BM-3, BM-4 AND BM-5
IN THE NORTH-SOUTH AND EAST-WEST DIRECTIONS
1994 THROUGH 2023

Date	Reservoir Elevation (ft)	Temp. (°C)	Horizontal Displacement Measured in Feet and Inches											
			BM-3						BM-4					
			Northing	N(+)/S(-) Feet	N(+)/S(-) Inches	Easting	E(+)/W(-1 Feet	E(+)/W(-) Inches	Northlng	N(+)IS(-) Feet	N(+)/S(-) Inches	Easting	E(+)/W(-) Feet	E(+)/W(-) Inches
1/7/1994			5892.2253	0.0000	0.0000	4555.7198	0.0000	0.0000	6204.5658	0.0000	0.0000	4455.1964	0.0000	0.0000
7/28/1994			5892.2209	-0.0044	-0.0528	4555.7112	-0.0086	-0.1032	6204.5514	-0.0144	-0.1728	4455.1889	-0.0075	-0.0900
2/6/1995			5892.2256	0.0003	0.0036	4555.6981	-0.0217	-0.2604	6204.5291	-0.0367	-0.4404	4455.1638	-0.0326	-0.3912
6/26/1996			5892.2141	-0.0112	-0.1344	4555.7200	0.0002	0.0024	6204.5174	-0.0484	-0.5808	4455.1621	-0.0343	-0.4116
1/24/1997			5892.2387	0.0134	0.1608	4555.7132	-0.0066	-0.0792	6204.5356	-0.0302	-0.3624	4455.1538	-0.0426	-0.5112
1/24/1997			5892.2387	0.0134	0.1608	4555.7132	-0.0066	-0.0792	6204.5356	-0.0302	-0.3624	4455.1538	-0.0426	-0.5112
1/16/1998			5892.2410	0.0157	0.1884	4555.7066	-0.0132	-0.1584	6204.5212	-0.0446	-0.5352	4455.1463	-0.0501	-0.6012
1/20/1999			5892.2111	-0.0142	-0.1704	4555.7161	-0.0037	-0.0444	6204.5203	-0.0455	-0.5460	4455.1467	-0.0497	-0.5964
3/14/2000			5892.2303	0.0050	0.0600	4555.7389	0.0191	0.2292	6204.5075	-0.0583	-0.6996	4455.1524	-0.0440	-0.5280
1/31/2002			5892.2329	0.0076	0.0912	4555.7106	-0.0092	-0.1104	6204.5311	-0.0347	-0.4164	4455.1488	-0.0476	-0.5712
8/27/2003			5892.2102	-0.0151	-0.1812	4555.7435	0.0237	0.2844	6204.5134	-0.0524	-0.6288	4455.1849	-0.0115	-0.1380
8/2/2004			5892.2122	-0.0131	-0.1572	4555.7318	0.0120	0.1440	6204.5130	-0.0528	-0.6336	4455.1816	-0.0148	-0.1776
2/7/2005			5892.2154	-0.0099	-0.1188	4555.7248	0.0050	0.0600	6204.5365	-0.0293	-0.3516	4455.1534	-0.0430	-0.5160
3/1/2006			5892.2254	0.0001	0.0012	4555.7090	-0.0108	-0.1296	6204.5365	-0.0293	-0.3516	4455.1534	-0.0430	-0.5160
1/9/2007			5892.2124	-0.0129	-0.1548	4555.7209	0.0011	0.0132	6204.5121	-0.0537	-0.6444	4455.1504	-0.0460	-0.5520
6/5/2008			5892.2125	-0.0128	-0.1536	4555.7356	0.0158	0.1896	6204.5228	-0.0430	-0.5160	4455.1596	-0.0368	-0.4416
6/15/2009			5892.2202	-0.0051	-0.0612	4555.7277	0.0079	0.0948	6204.5290	-0.0368	-0.4416	4455.1709	-0.0255	-0.3060
5/20/2010			5892.2201	-0.0052	-0.0624	4555.7386	0.0188	0.2256	6204.5391	-0.0267	-0.3204	4455.1593	-0.0371	-0.4452
5/12/2011			5892.2240	-0.0013	-0.0156	4555.7421	0.0223	0.2676	6204.5347	-0.0311	-0.3732	4455.1542	-0.0422	-0.5064
5/21/2012			5892.2197	-0.0056	-0.0672	4555.7334	0.0136	0.1632	6204.5292	-0.0366	-0.4392	4455.1567	-0.0397	-0.4764
6/12/2013			5892.2255	0.0002	0.0024	4555.7359	0.0161	0.1932	6204.5183	-0.0475	-0.5700	4455.1617	-0.0347	-0.4164
4/22/2014			5892.2344	0.0091	0.1092	4555.7315	0.0117	0.1404	6204.5274	-0.0384	-0.4608	4455.1575	-0.0389	-0.4668
6/5/2015			5892.2373	0.0120	0.1440	4555.7462	0.0264	0.3168	6204.5346	-0.0312	-0.3744	4455.1613	-0.0351	-0.4212
7/26/2016			5892.2263	0.0010	0.0120	4555.7355	0.0157	0.1884	6204.5103	-0.0555	-0.6660	4455.1512	-0.0452	-0.5424
1/1/2017														
1/1/2018			5892.2294	0.0041	0.0492	4555.7394	0.0196	0.2352	6204.511	-0.0548	-0.6576	4455.165	-0.0314	-0.3768
6/5/2019			5892.2437	0.0184	0.2208	4555.7322	0.0124	0.1488	6204.5309	-0.0349	-0.4188	4455.1630	-0.0334	-0.4008
12/8/2020			5892.2242	-0.0011	-0.0133	4555.7554	0.0356	0.4272	6204.5293	-0.0365	-0.4375	4455.1854	-0.0110	-0.1324
5/12/2022			5892.2295	0.0042	0.0503	4555.7390	0.0192	0.2305	6204.5316	-0.0342	-0.4102	4455.1703	-0.0261	-0.3130
11/3/2022			5892.2305	0.0052	0.0629	4555.7572	0.0374	0.4490	6204.5415	-0.0243	-0.2911	4455.1763	-0.0201	-0.2411
12/6/2023	761.1	20.0	5892.2130	-0.0123	-0.1474	4555.7323	0.0125	0.1501	6204.5339	-0.0319	-0.3824	4455.1820	-0.0144	-0.1727

TABLE 4
SANTIAGO CREEK DAM
NET HISTORICAL DISPLACEMENTS, BM-1, BM-2, BM-3, BM-4 AND BM-5
IN THE NORTH-SOUTH AND EAST-WEST DIRECTIONS
1994 THROUGH 2023

Date	Reservoir Elevation (ft)	Temp. (°C)	Horizontal Displacement Measured in Feet and Inches					
			BM-5					
			Northing	N(+)/S(-) Feet	N(+)/S(-) Inches	Easting	E(+)/W(-) Feet	E(+)/W(-) Inches
1/7/1994			6327.7984	0.0000	0.0000	4332.9289	0.0000	0.0000
7/28/1994			6327.7932	-0.0052	-0.0624	4332.9073	-0.0216	-0.2592
2/6/1995			6327.7972	-0.0012	-0.0144	4332.9375	0.0086	0.1032
6/26/1996			6327.8029	0.0045	0.0540	4332.9266	-0.0023	-0.0276
1/24/1997			6327.8061	0.0077	0.0924	4332.9330	0.0041	0.0492
1/24/1997			6327.8061	0.0077	0.0924	4332.9330	0.0041	0.0492
1/16/1998			6327.7838	-0.0146	-0.1752	4332.9443	0.0154	0.1848
1/20/1999			6327.7642	-0.0342	-0.4104	4332.8896	-0.0393	-0.4716
3/14/2000			6327.7638	-0.0346	-0.4152	4332.8979	-0.0310	-0.3720
1/31/2002			6327.7805	-0.0179	-0.2148	4332.9378	0.0089	0.1068
8/27/2003			6327.7616	-0.0368	-0.4416	4332.9312	0.0023	0.0276
8/2/2004			6327.7582	-0.0402	-0.4824	4332.9289	0.0000	0.0000
2/7/2005			6327.7694	-0.0290	-0.3480	4332.9112	-0.0177	-0.2124
3/1/2006			6327.7579	-0.0405	-0.4860	4332.8928	-0.0361	-0.4332
1/9/2007			6327.7420	-0.0564	-0.6768	4332.9169	-0.0120	-0.1440
6/5/2008			6327.7445	-0.0539	-0.6468	4332.8995	-0.0294	-0.3528
6/15/2009			6327.7592	-0.0392	-0.4704	4332.9244	-0.0045	-0.0540
5/20/2010			6327.7667	-0.0317	-0.3804	4332.9125	-0.0164	-0.1968
5/12/2011			6327.7631	-0.0353	-0.4236	4332.9143	-0.0146	-0.1752
5/21/2012			6327.7599	-0.0385	-0.4620	4332.9079	-0.0210	-0.2520
6/12/2013			6327.7438	-0.0546	-0.6552	4332.9160	-0.0129	-0.1548
4/22/2014			6327.7409	-0.0575	-0.6900	4332.9013	-0.0276	-0.3312
6/5/2015			6327.7515	-0.0469	-0.5628	4332.9202	-0.0087	-0.1044
7/26/2016			6327.7394	-0.0590	-0.7080	4332.9182	-0.0107	-0.1284
1/1/2017								
1/1/2018			6327.7209	-0.0775	-0.9300	4332.9194	-0.0095	-0.1140
6/5/2019			6327.7314	-0.0670	-0.8040	4332.8980	-0.0309	-0.3708
12/8/2020			6327.7259	-0.0725	-0.8699	4332.9336	0.0047	0.0562
5/12/2022			6327.7258	-0.0726	-0.8714	4332.9116	-0.0173	-0.2080
11/3/2022			6327.7253	-0.0731	-0.8778	4332.9273	-0.0016	-0.0190
12/6/2023	761.1	20.0	6327.7243	-0.0741	-0.8897	4332.9319	0.0030	0.0362

Figures



LEGEND

◎ No. 1	SINGLE-STAGE PIEZOMETER
◉ R-2	MULTI-STAGE PIEZOMETER
⊕ BM-5	BENCH MARK
⊕ BM-0	SURVEY MONUMENT

NOTE: SECTIONS A-A', B-B' AND C-C' ARE SHOWN ON FIGURES 1B, 1C, AND 1D RESPECTIVELY.

NOT TO SCALE

Annual Surveillance Report from Jan. 2023 to Dec. 2023
Santiago Creek Dam
Irvine, CA

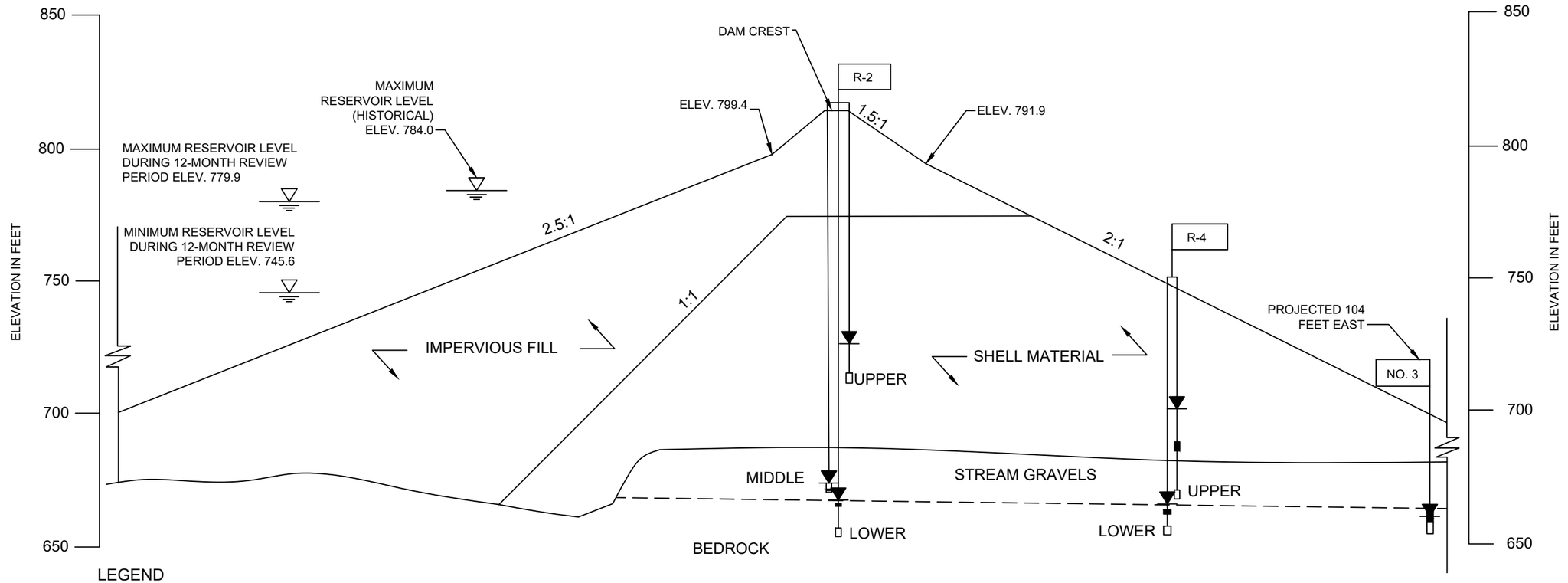
Irvine Ranch Water District
Irvine, CA

GEI Consultants

SITE AND INSTRUMENTATION PLAN

Project 1901888 | July 2024 | Fig. 1A

VANDERVORT, KODY B:\Working\IRVINE RANCH WATER DISTRICT\1901888 3-Year Monitoring Program of Dams\Monitoring Reports\2023 Reports\Santiago Creek\Final\Figures, Tables, Appendices\CADD\Santiago Creek Figures.dwg - 5/16/2024



LEGEND

R-1 PIEZOMETER (OPEN WELL TYPE)

SURFACE OF DAM

MAXIMUM HISTORICAL LEVEL (SINCE JANUARY 1998)

HIGH

RANGE OF MEASURED LEVELS IN PIEZOMETER DURING 12 MONTH REVIEW PERIOD

LOW

PIEZOMETER TIP

RESERVOIR WATER SURFACE

NOTES:

(1) SEE FIGURE 1 FOR LOCATION OF SECTION

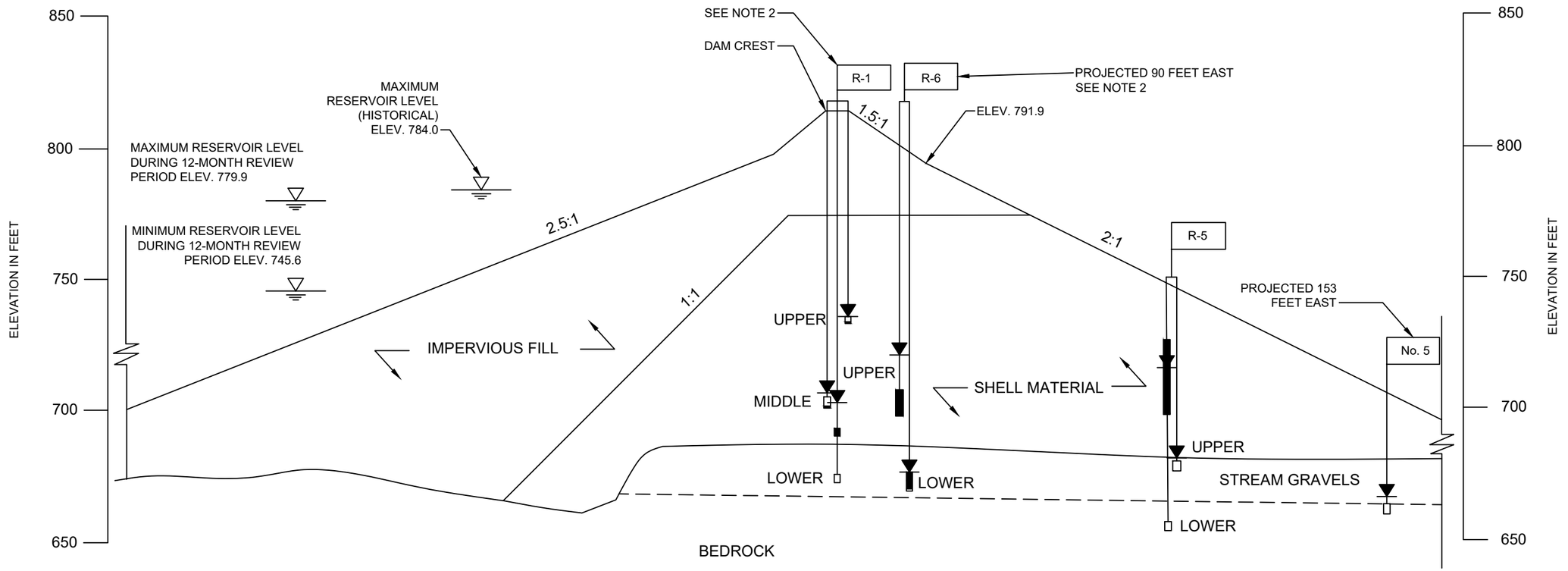
(2) QUESTIONABLE READINGS ARE NOT SHOWN

SECTION A-A'
MAXIMUM SECTION
(APPROX. STA 2+50)

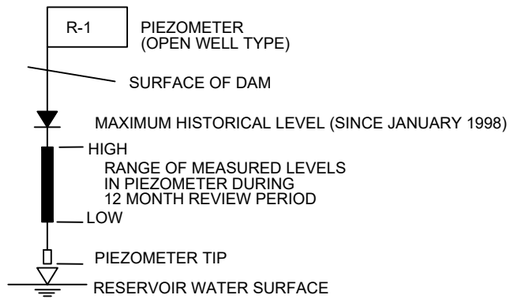
NOT TO SCALE

Annual Surveillance Report from Jan. 2023 to Dec. 2023 Santiago Creek Dam Irvine, CA	GEI Consultants	SECTION A-A'
Irvine Ranch Water District Irvine, CA	Project 1901888	July 2024 Fig. 1B

VANDERVORT, KODY B:\Working\IRVINE RANCH WATER DISTRICT\1901888 3-Year Monitoring Program of Dams\Monitoring Reports\2023 Reports\Santiago Creek\Final\Figures, Tables, Appendices\CADD\Santiago Creek Figures.dwg - 5/16/2024



LEGEND



NOTES:

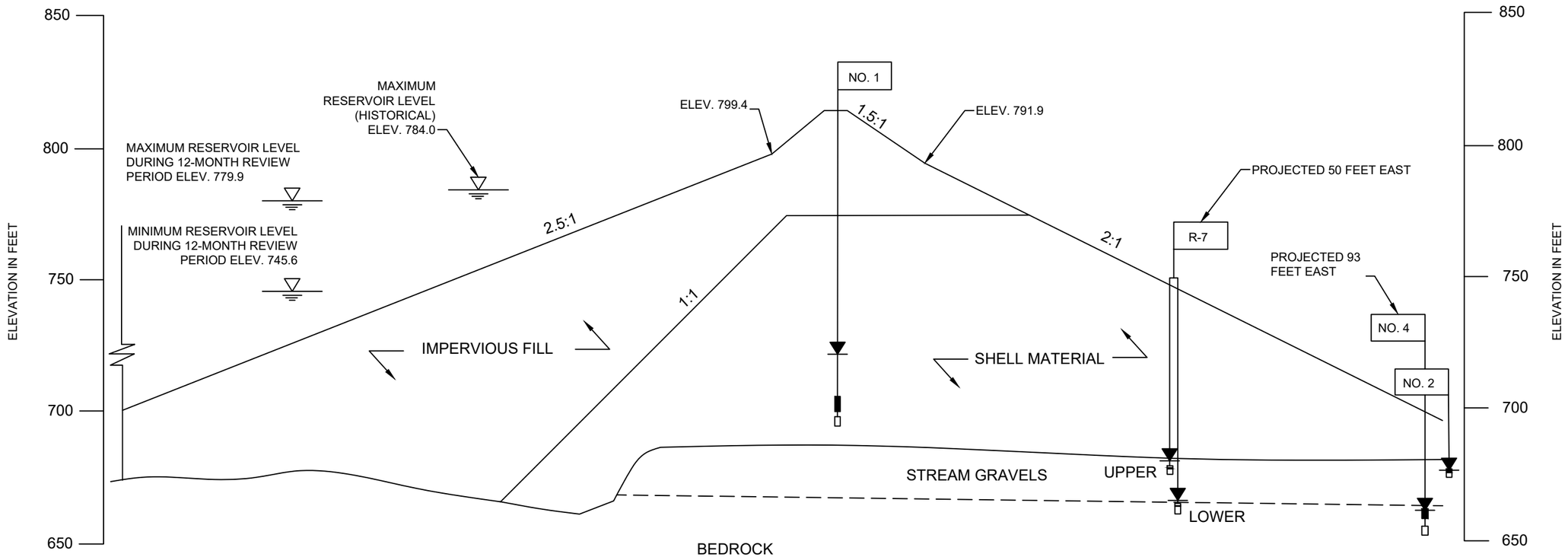
(1) SEE FIGURE 1A FOR LOCATION OF SECTION
(2) PIEZOMETERS R-1 AND R-6 ALIGN HORIZONTALLY WITH THE CENTER OF THE DAM CREST AND HAVE BEEN DISPLACED FOR PRESENTATION PURPOSES
(3) QUESTIONABLE READINGS ARE NOT SHOWN

SECTION B-B'
(APPROX. STA 6+00)

NOT TO SCALE

Annual Surveillance Report from Jan. 2023 to Dec. 2023 Santiago Creek Dam Irvine, CA	GEI Consultants	SECTION B-B'
Irvine Ranch Water District Irvine, CA	Project 1901888	July 2024 Fig. 1C

VANDERVORT, KODY B:\Working\IRVINE RANCH WATER DISTRICT\1901888 3-Year Monitoring Program of Dams\Monitoring Reports\2023 Reports\Santiago Creek\Final\Figures, Tables, Appendices\CADD\Santiago Creek Figures.dwg - 5/16/2024



LEGEND

- R-1 — PIEZOMETER (OPEN WELL TYPE)
- SURFACE OF DAM
- MAXIMUM HISTORICAL LEVEL (SINCE JANUARY 1998)
- HIGH
- RANGE OF MEASURED LEVELS IN PIEZOMETER DURING 12 MONTH REVIEW PERIOD
- LOW
- PIEZOMETER TIP

NOTES:

(1) SEE FIGURE 1A FOR LOCATION OF SECTION

(2) QUESTIONABLE READINGS ARE NOT SHOWN

SECTION C-C'
(APPROX. STA 4+00)

NOT TO SCALE

Annual Surveillance Report from Jan. 2023 to Dec. 2023 Santiago Creek Dam Irvine, CA	SECTION C-C'
Irvine Ranch Water District Irvine, CA	GEI Consultants
Project 1901888	July 2024 Fig. 1D

VANDERVORT, KODY B:\Working\IRVINE RANCH WATER DISTRICT\1901888 3-Year Monitoring Program of Dams\Monitoring Reports\2023 Reports\Santiago Creek\Final\Figures, Tables, Appendices\CADD\Santiago Creek Figures.dwg - 5/16/2024

Figure 2
SANTIAGO CREEK DAM
2-YR OPEN WELL PIEZOMETER AND RESERVOIR WATER SURFACE ELEVATIONS
PIEZOMETERS R-1 AND R-5
JANUARY 2022 THROUGH DECEMBER 2023

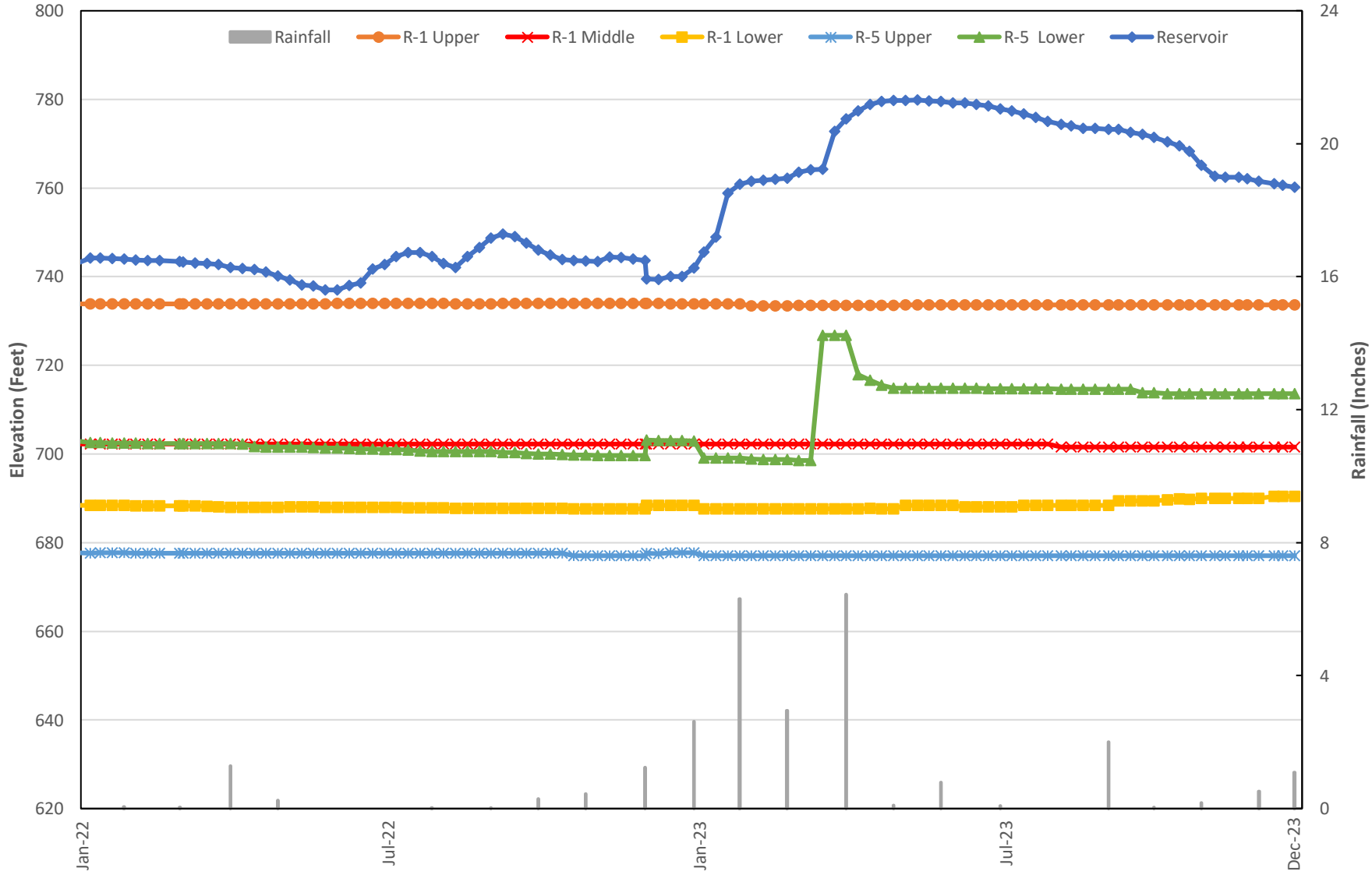


Figure 3
SANTIAGO CREEK DAM
2-YR OPEN WELL PIEZOMETER AND RESERVOIR WATER SURFACE ELEVATIONS
PIEZOMETERS R-2 AND R-4
JANUARY 2022 THROUGH DECEMBER 2023

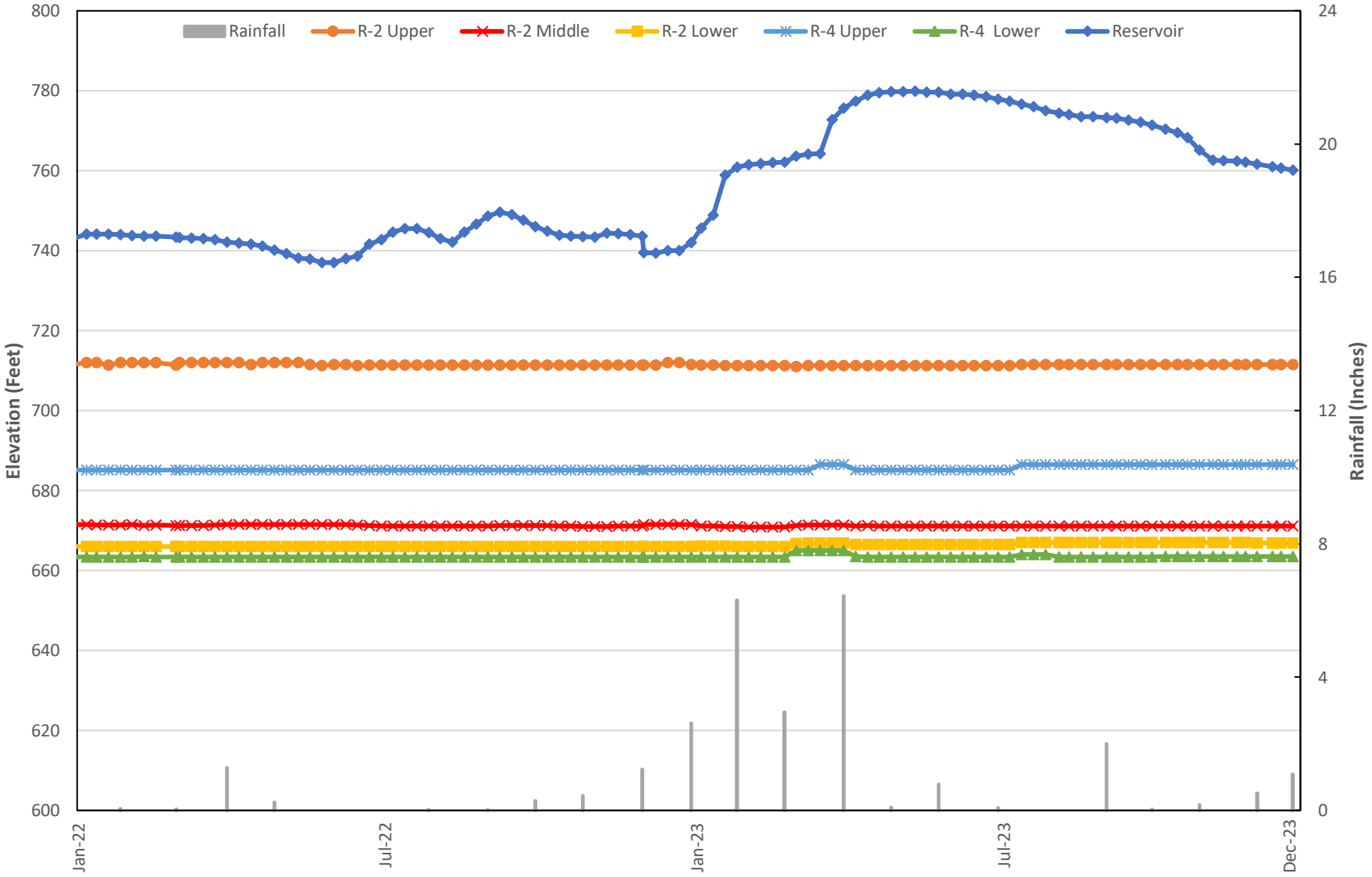


Figure 4
SANTIAGO CREEK DAM
2-YR OPEN WELL PIEZOMETER AND RESERVOIR WATER SURFACE ELEVATIONS
PIEZOMETER R-3
JANUARY 2022 THROUGH DECEMBER 2023

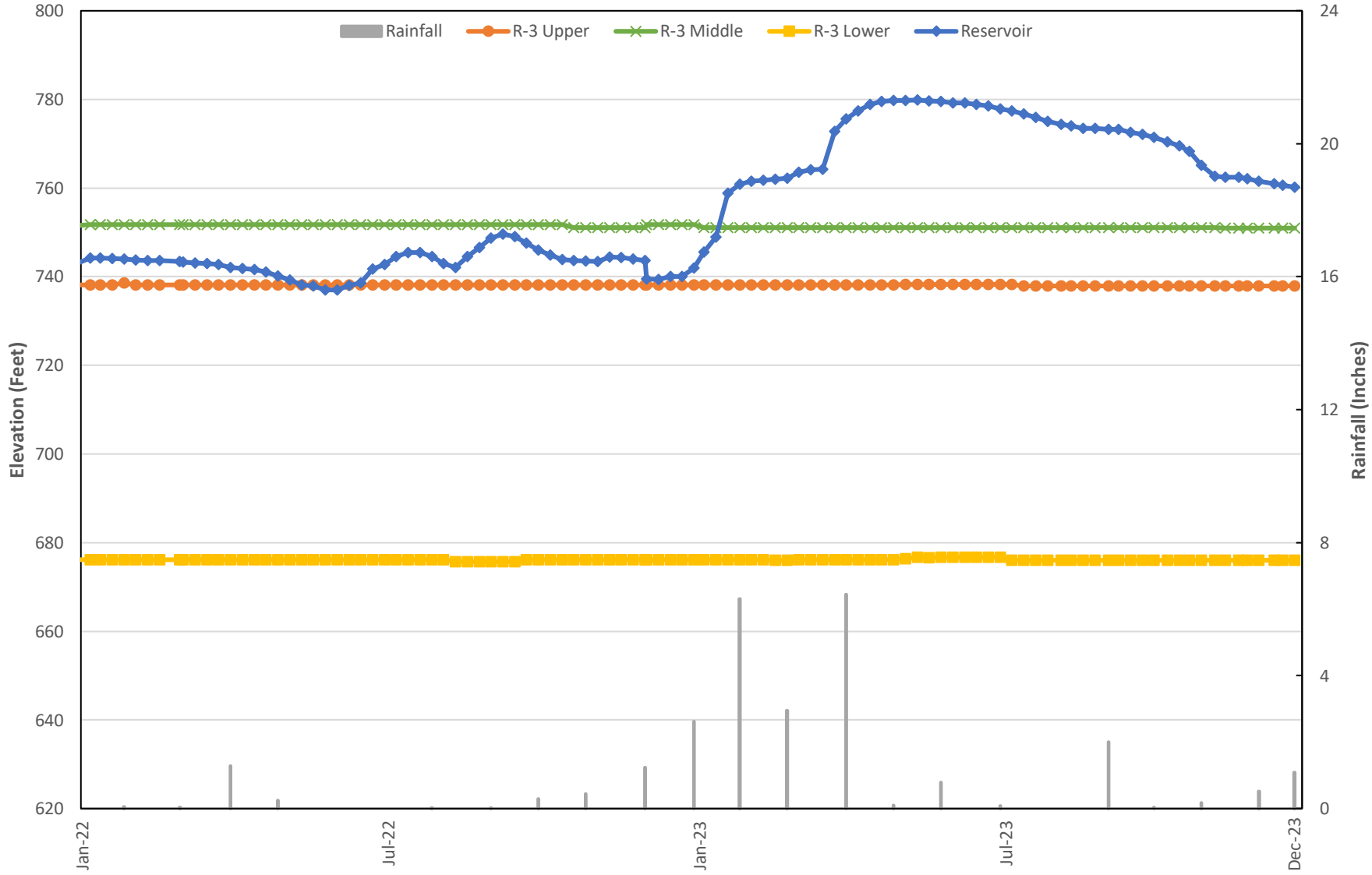


Figure 5
SANTIAGO CREEK DAM
2-YR OPEN WELL PIEZOMETER AND RESERVOIR WATER SURFACE ELEVATIONS
PIEZOMETER R-6
JANUARY 2022 THROUGH DECEMBER 2023

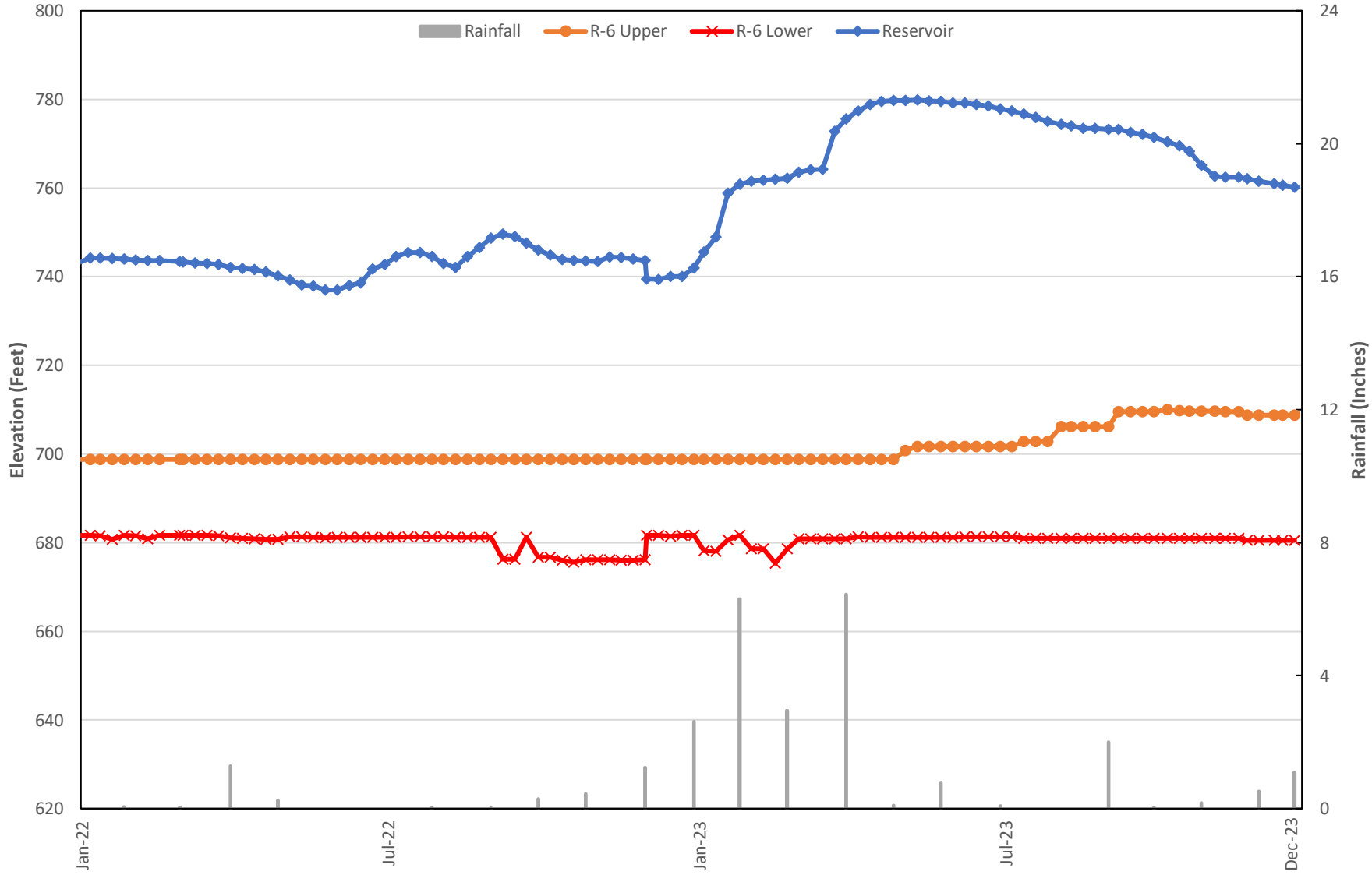


Figure 6
SANTIAGO CREEK DAM
2-YR OPEN WELL PIEZOMETER AND RESERVOIR WATER SURFACE ELEVATIONS
PIEZOMETERS No. 1, No. 2, AND R-7
JANUARY 2022 THROUGH DECEMBER 2023

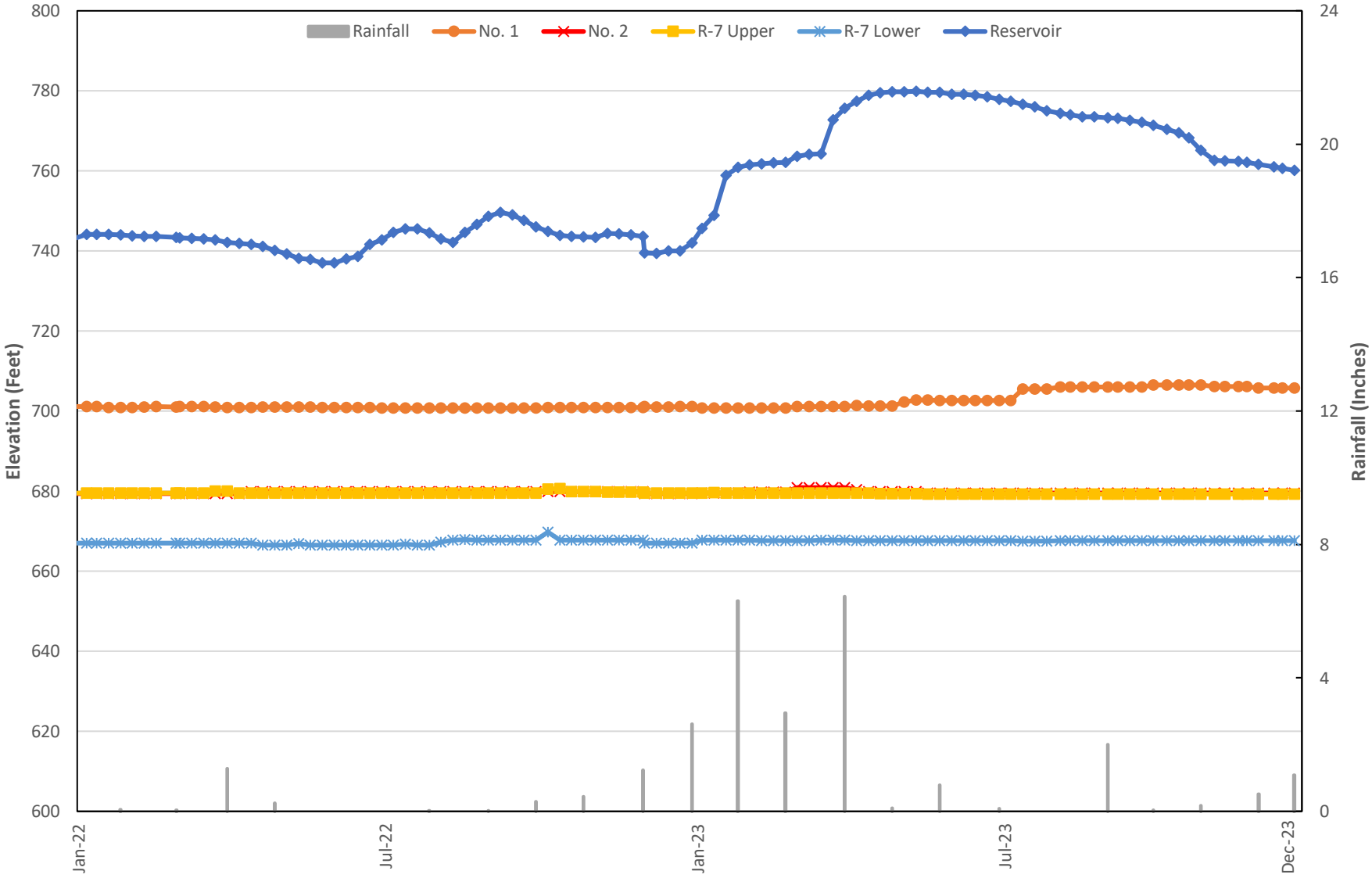


Figure 7
SANTIAGO CREEK DAM
2-YR OPEN WELL PIEZOMETER AND RESERVOIR WATER SURFACE ELEVATIONS
PIEZOMETERS No. 3, No. 4, No. 5
JANUARY 2022 THROUGH DECEMBER 2023

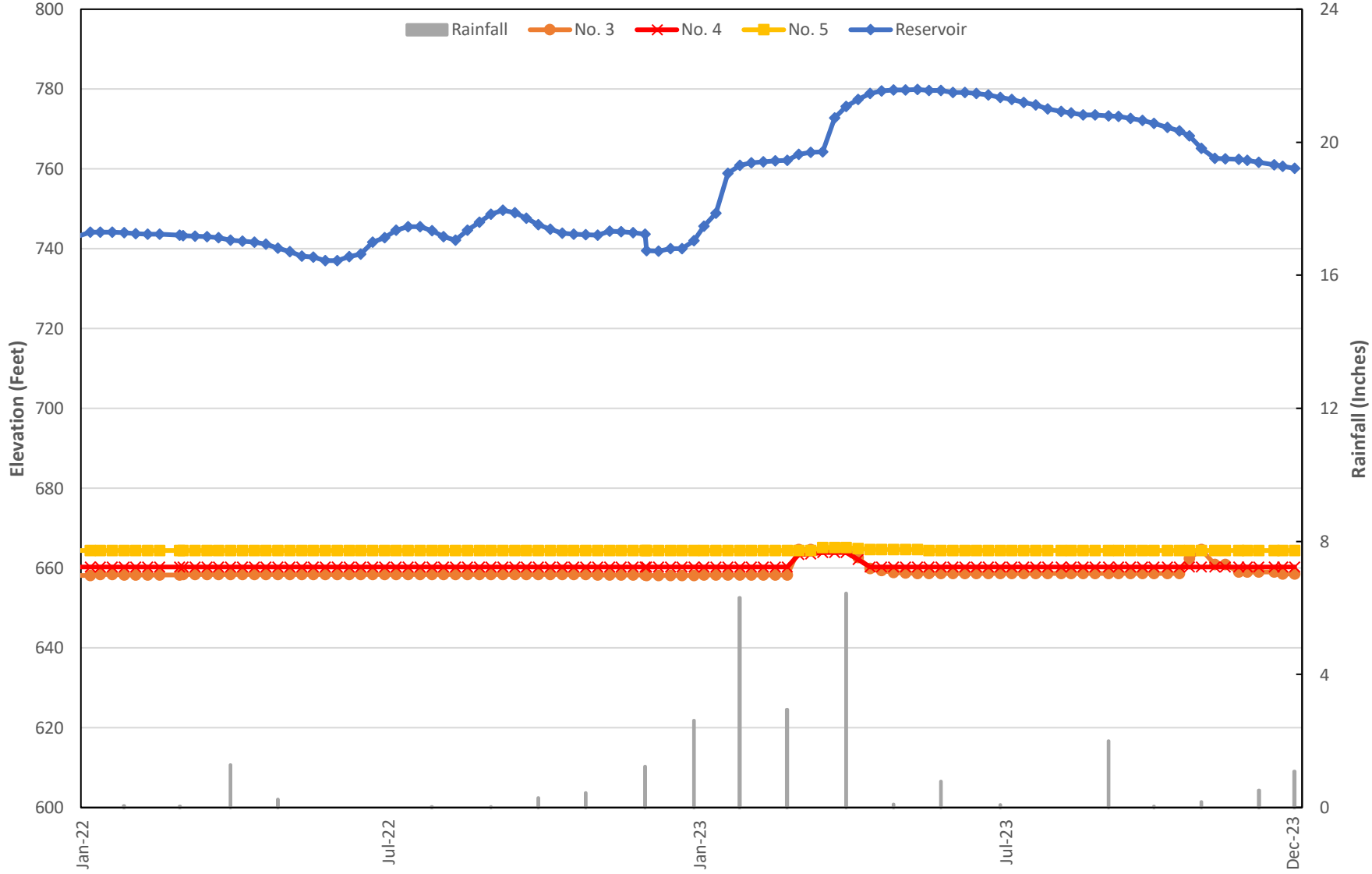


Figure 8
SANTIAGO CREEK DAM
HISTORICAL PIEZOMETER AND RESERVOIR WATER SURFACE ELEVATIONS
PIEZOMETERS R-1 AND R-5
JANUARY 2013 THROUGH DECEMBER 2023

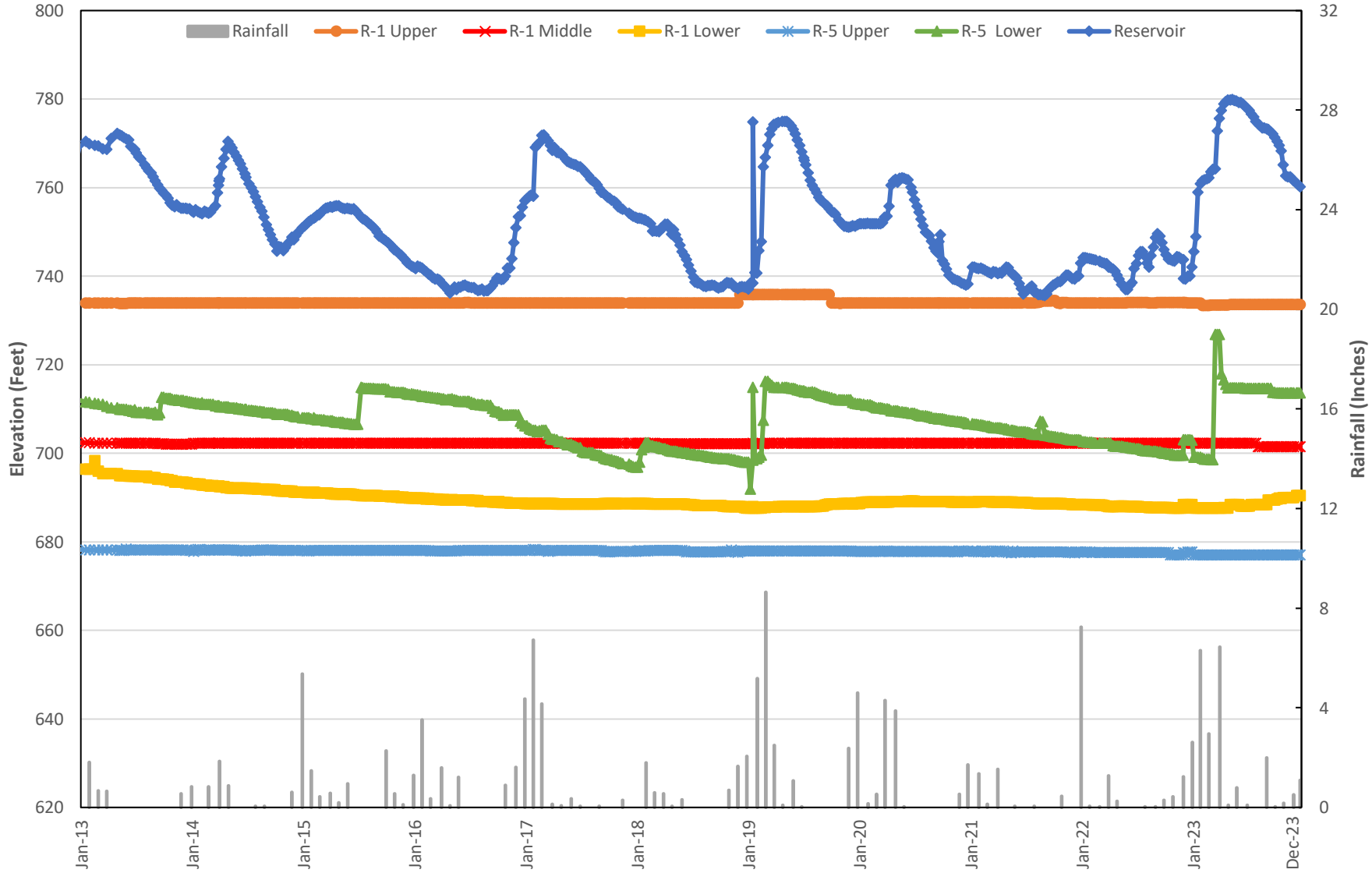


Figure 9
SANTIAGO CREEK DAM
HISTORICAL PIEZOMETER AND RESERVOIR WATER SURFACE ELEVATIONS
PIEZOMETERS R-2 AND R-4
JANUARY 2013 THROUGH DECEMBER 2023

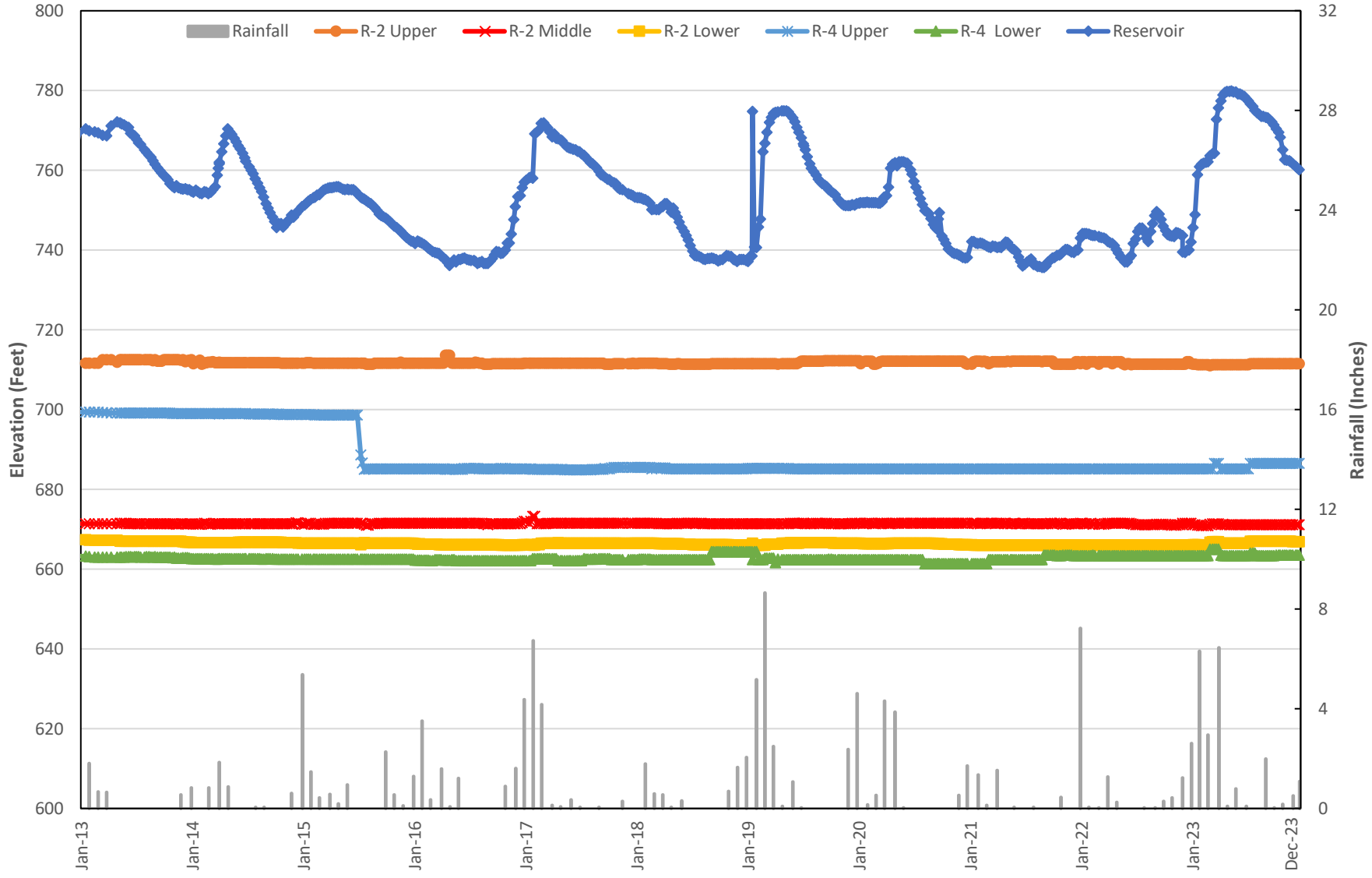


Figure 10
SANTIAGO CREEK DAM
HISTORICAL PIEZOMETER AND RESERVOIR WATER SURFACE ELEVATIONS
PIEZOMETER R-3
JANUARY 2013 THROUGH DECEMBER 2023

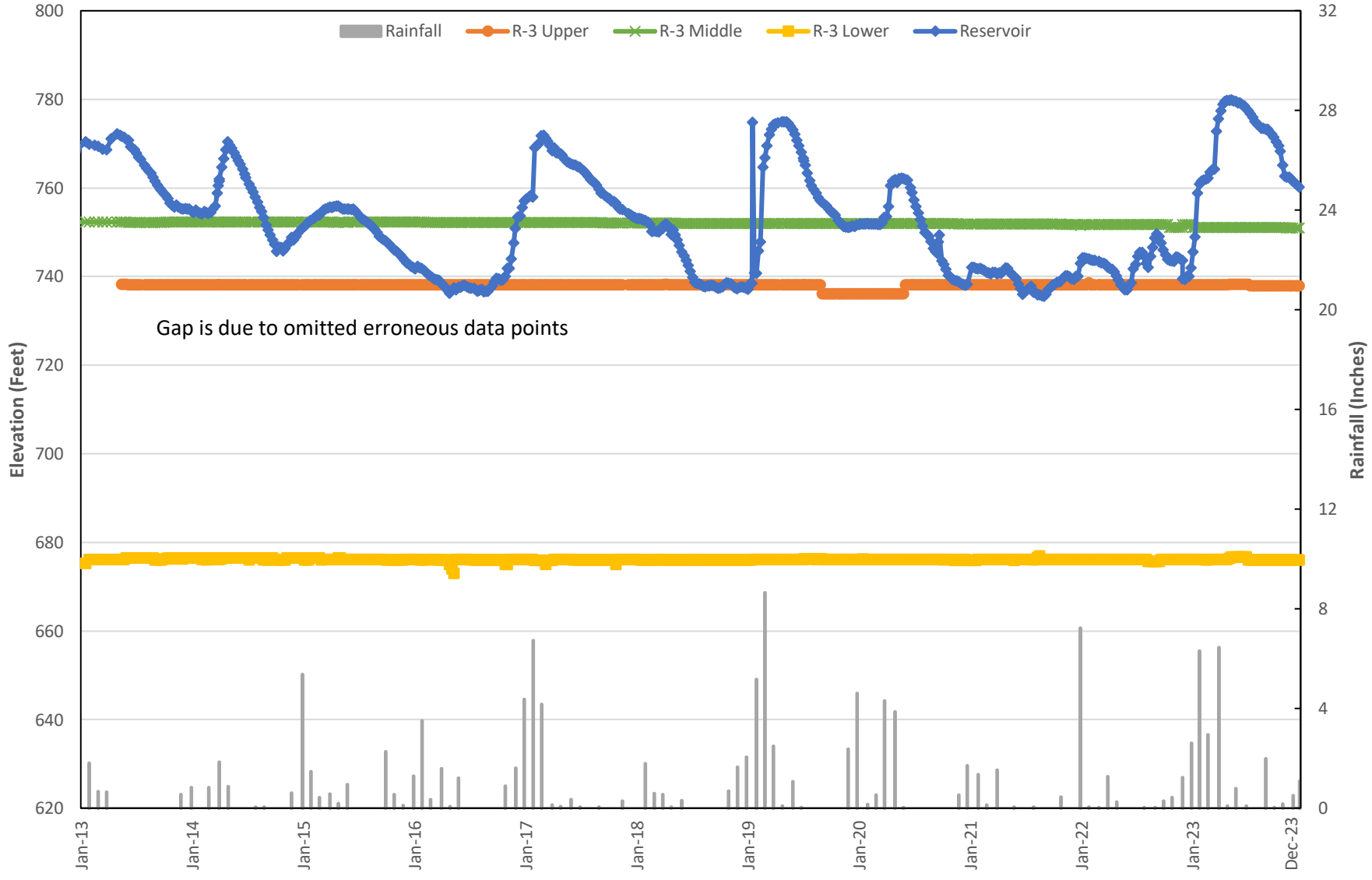


Figure 11
SANTIAGO CREEK DAM
HISTORICAL PIEZOMETER AND RESERVOIR WATER SURFACE ELEVATIONS
PIEZOMETER R-6
JANUARY 2013 THROUGH DECEMBER 2023

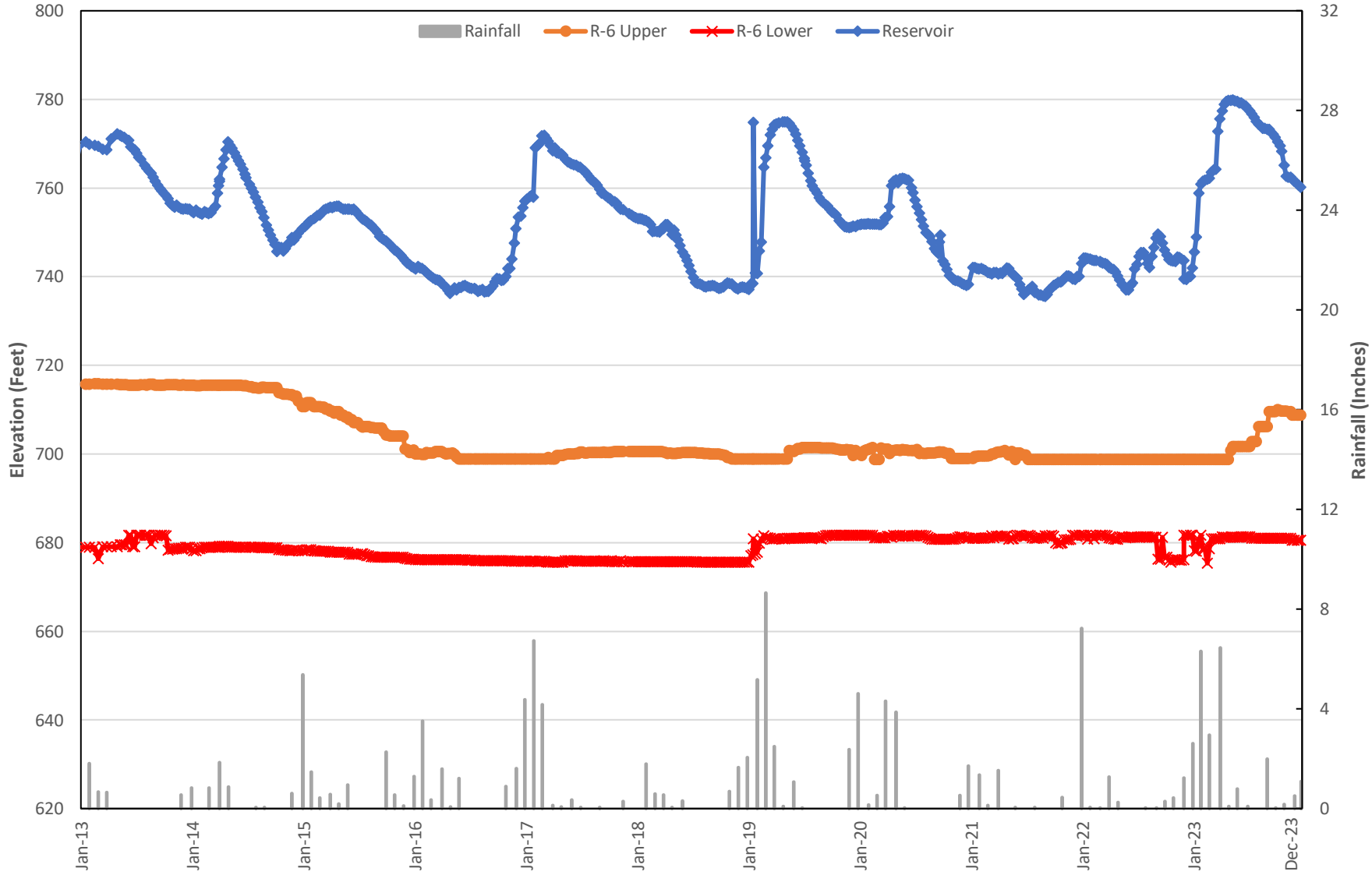


Figure 12
SANTIAGO CREEK DAM
HISTORICAL PIEZOMETER AND RESERVOIR WATER SURFACE ELEVATIONS
PIEZOMETERS No. 1, No. 2, AND R-7
JANUARY 2013 THROUGH DECEMBER 2023

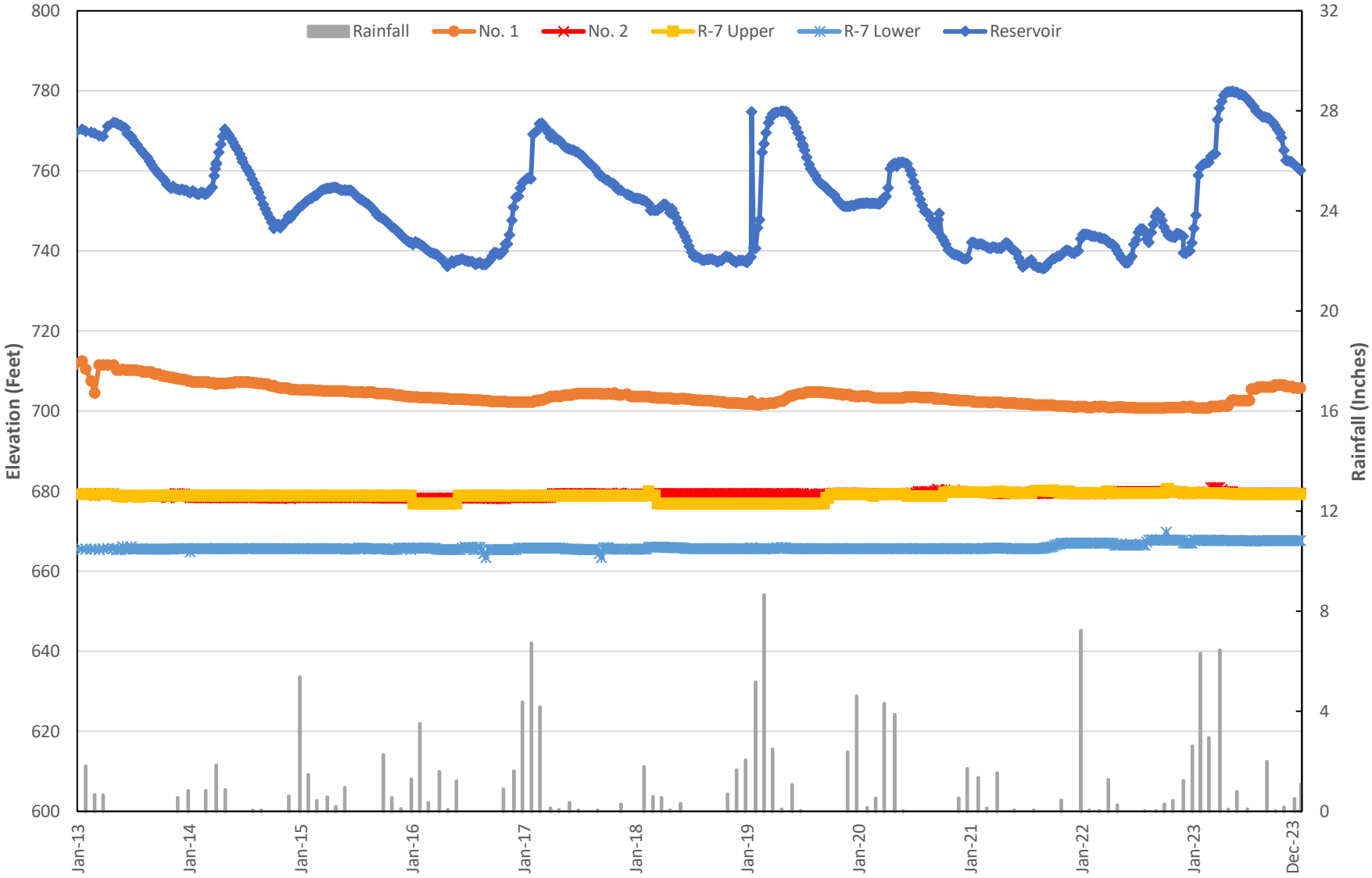


Figure 13
SANTIAGO CREEK DAM
HISTORICAL PIEZOMETER AND RESERVOIR WATER SURFACE ELEVATIONS
PIEZOMETERS No. 3, No. 4, No. 5
JANUARY 2013 THROUGH DECEMBER 2023

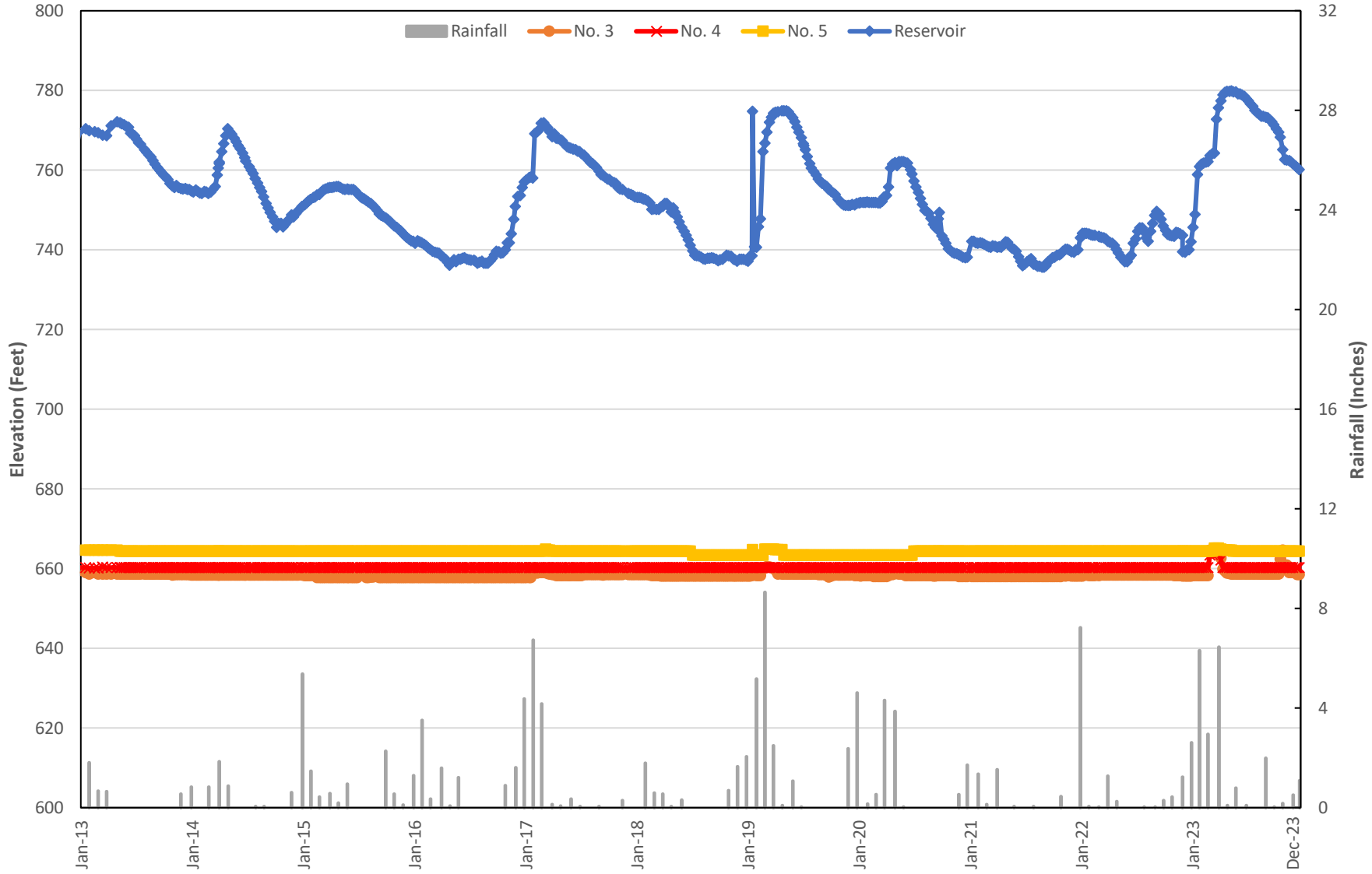


Figure 14
SANTIAGO CREEK DAM
ELEVATIONS OF SURVEY MONUMENTS BM-1, BM-2, AND BM-3
1989 THROUGH 2023

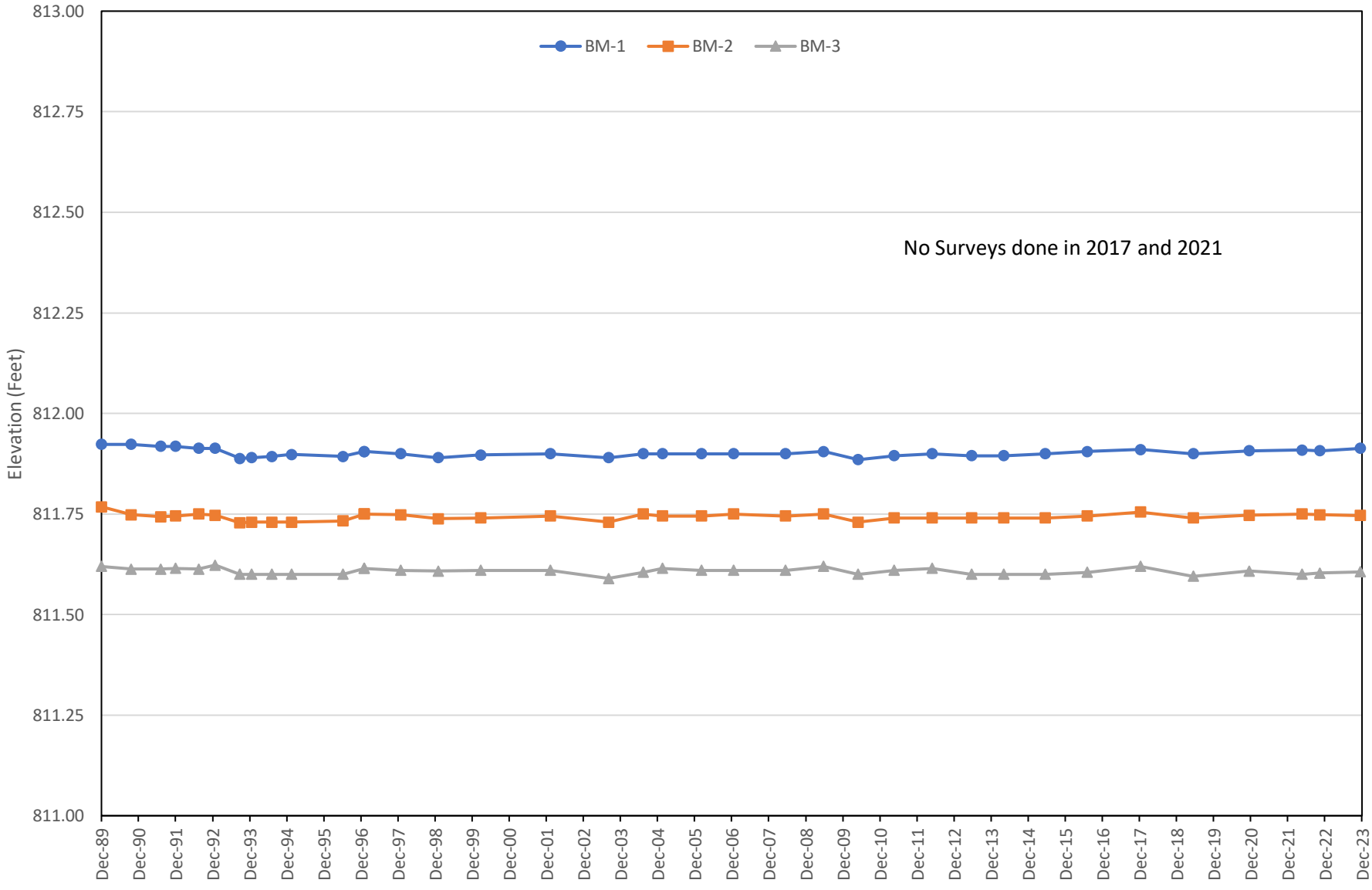


Figure 15
SANTIAGO CREEK DAM
ELEVATIONS OF SURVEY MONUMENTS BM-4, AND BM-5
1989 THROUGH 2023

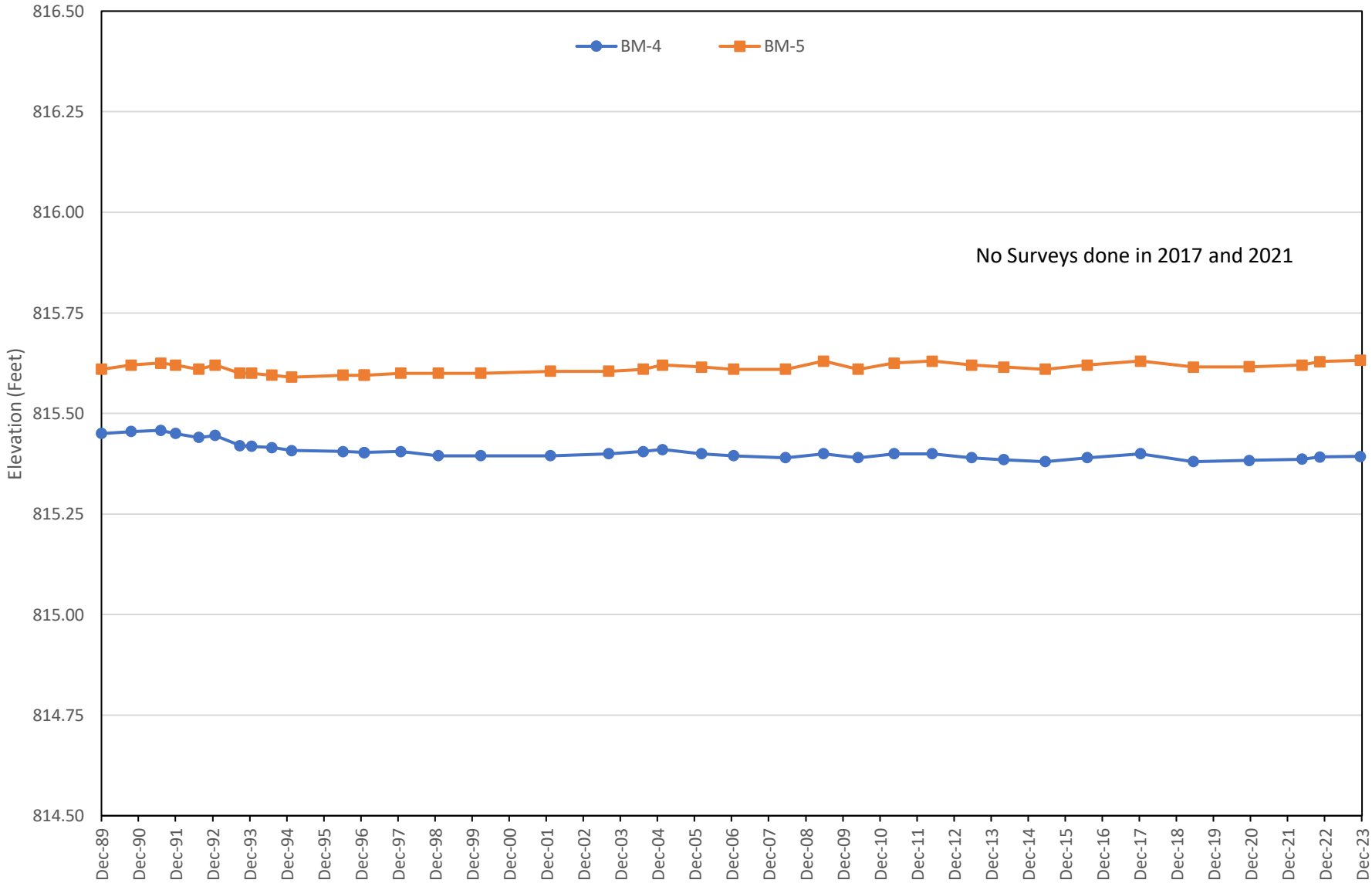


Figure 16
SANTIAGO CREEK DAM
NET HORIZONTAL DISPLACEMENTS OF SURVEY MONUMENTS
BM-1, BM-2, BM-3, BM-4, AND BM-5
IN THE NORTH-SOUTH DIRECTION
1994 THROUGH 2023

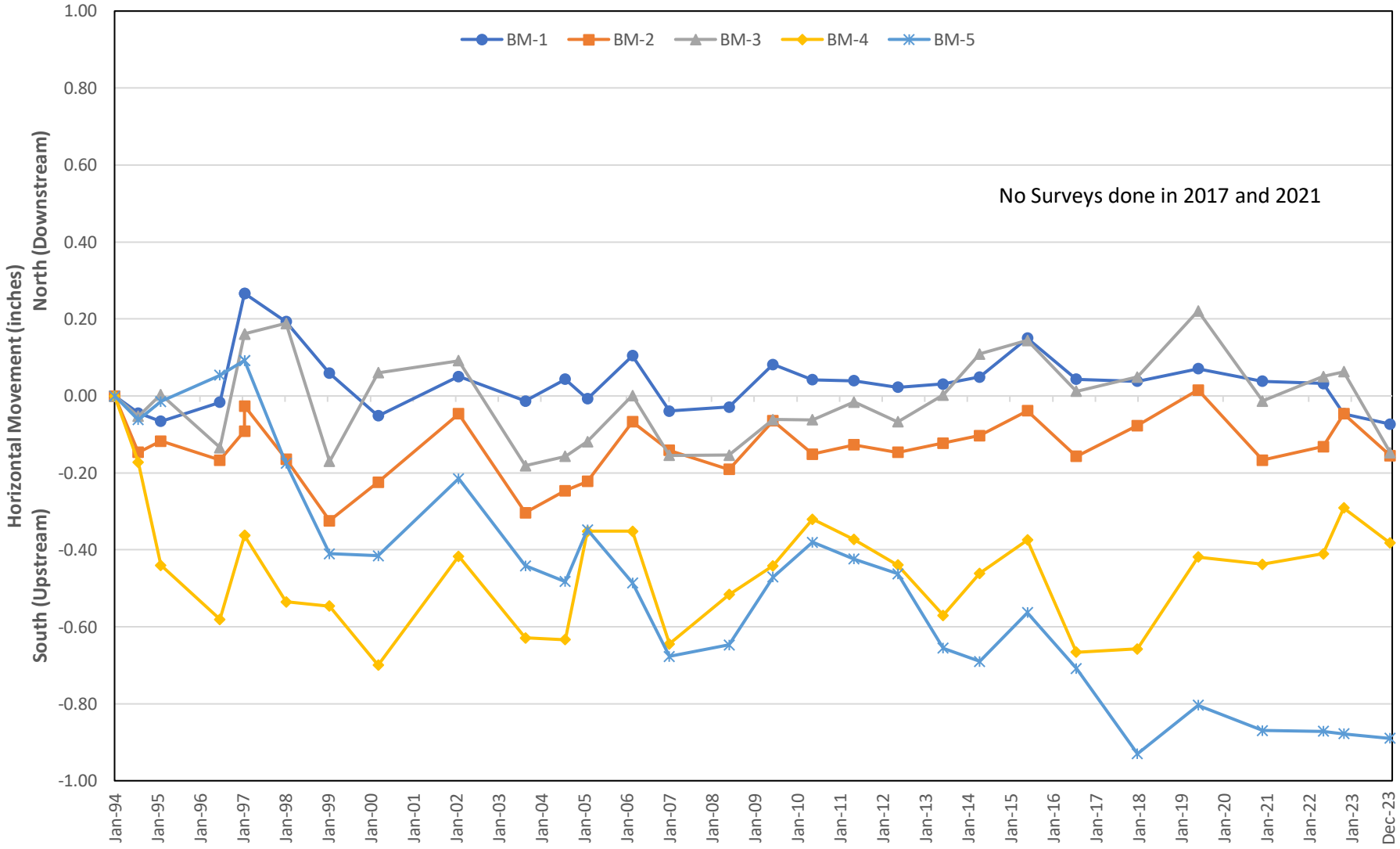
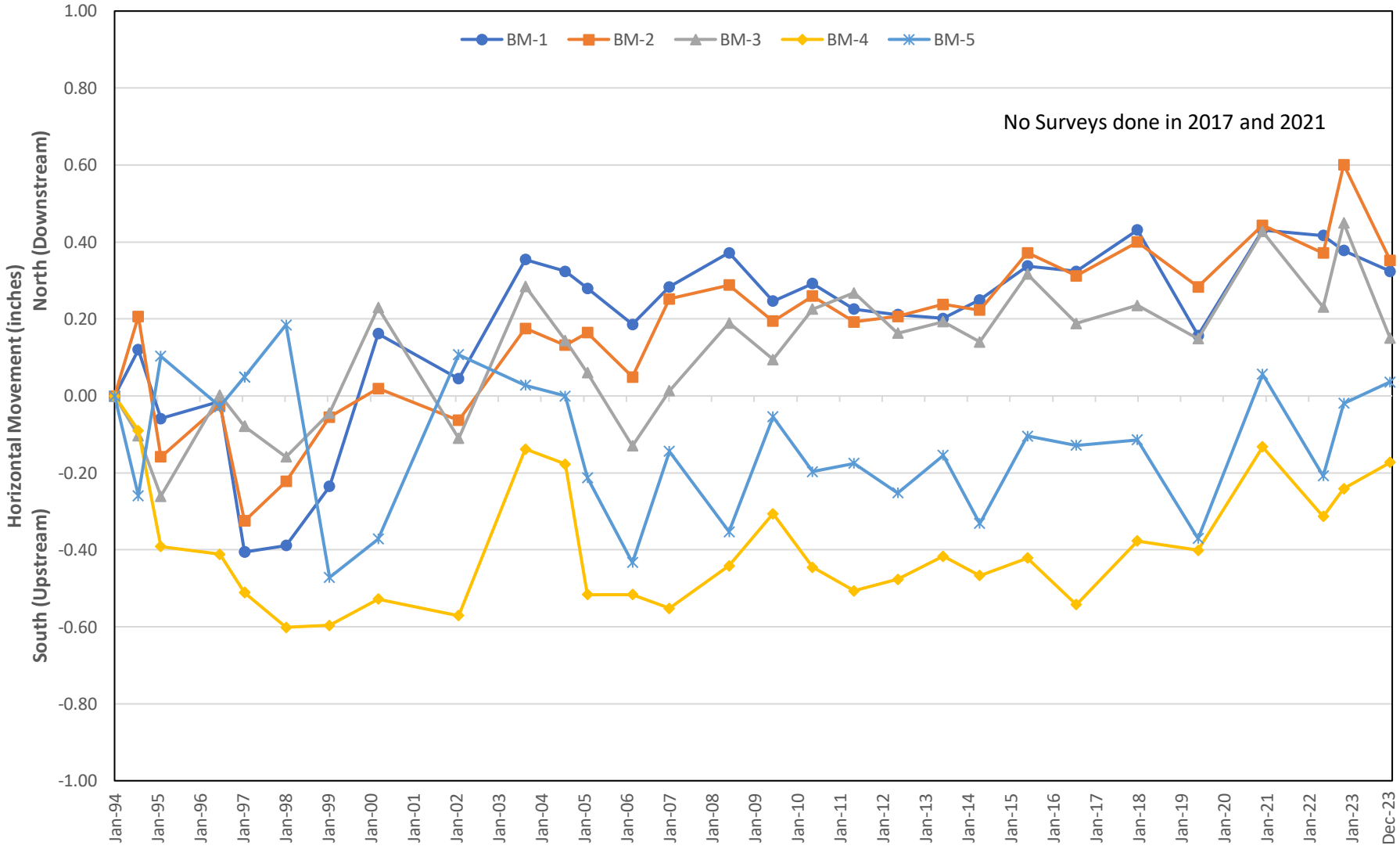


Figure 17
SANTIAGO CREEK DAM
NET HORIZONTAL DISPLACEMENTS OF SURVEY MONUMENTS
BM-1, BM-2, BM-3, BM-4, AND BM-5
IN THE EAST-WEST DIRECTION
1994 THROUGH 2023



Appendix

Inspection Photographs of Santiago Creek Dam – July 11, 2023

Reservoir Dam Valve Exercising Table

CNC Survey Report

Instrumentation Maintenance

Inspection Photographs of Santiago Creek Dam

July 11, 2023



Photo 1) Dam crest, upstream face, and downstream face looking towards left abutment. Note vegetation growth in cracks and between panel joints.



Photo 2) Downstream face looking towards left abutment area.



Photo 3) Upstream face looking towards right abutment. Note vegetation growing in cracks and between panel joints.



Photo 4) Downstream face looking towards left groin.



Photo 5) Downstream face bench looking towards left abutment.



Photo 6) Looking downstream near right abutment area.



Photo 7) Completed borehole by AECOM on the downstream bench.



Photo 8) Looking at the downstream face from the toe. Note rodent activity.



Photo 9) Close up of sloughing from left abutment slope onto pedestrian bridge. Some sloughing sediment has been cleared.



Photo 10) Observed cracking between concrete panels on the upstream face.



Photo 11) Spillway concrete bridge, piers, and chute looking toward left abutment.



Photo 12) Spillway chute, looking toward right training wall.

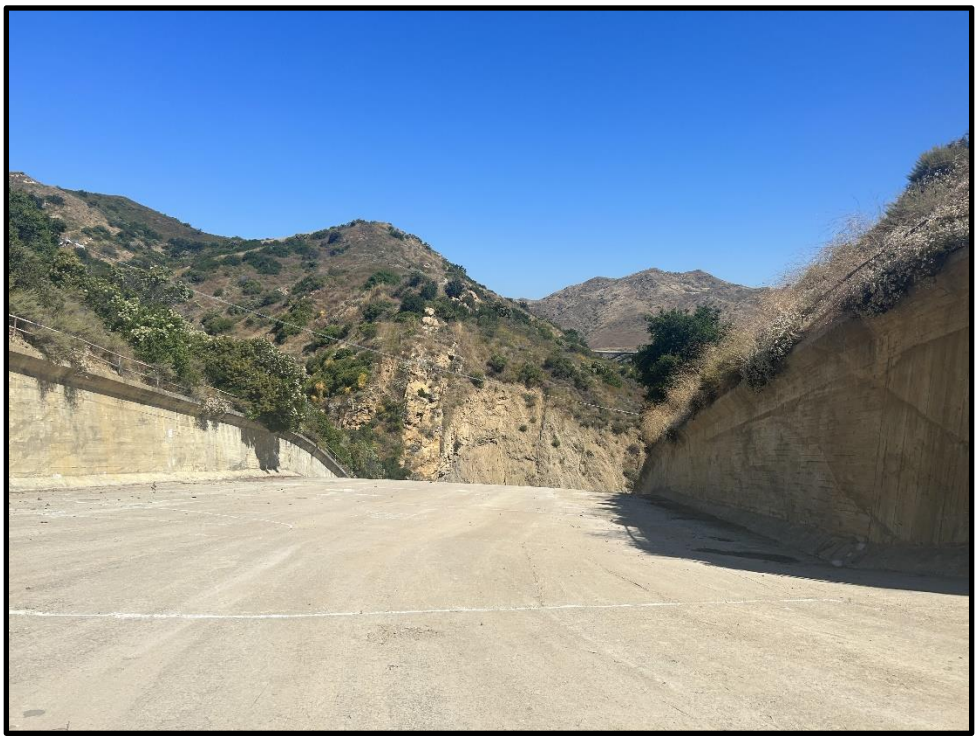


Photo 13) Spillway chute, looking downstream.



Photo 14) Emergency blowoff valve within dissipator structure.



Photo 15) Concrete outlet tower.

Reservoir Dam Valve Exercising Table

Reservoir Dam Valve Exercising

Santiago Creek Canyon Dam

Date	750 Hydraulic Valve traval time	740 Valve # of Turns	730 Hydraulic Vavle traval time	720 Valve # of Turns	ILP Valve	Diverter Valve # of Turns	Pump House Valve # of Turns	Deverter Valve Flow/Total
1/20/2014	5-6 Min	212	5-6Min	208	30%	93	17	
4/22/2014	Exercised	Exercised	Exercised	Exercised	Exercised	Exercised	Exercised	
1/15/2015	5-6Min	212	5-6Min	206	30%	92	17	
4/20/2015 DSOD	Not Turned	Not Turned	Not Turned	206/25%	Not Turned	Not Turned	17	
10/1/2015	5-6Min	212	5-6Min	206	Not Turned	Not Turned	Not Turned	
4/27/2016						92	17	
12/7/2016	5-6Min	212	5-6Min	204	Not Turned	Not Turned	Not Turned	
7/17/2017	5-6min	212	5-6min	205	Not Turned	Not Turned	Not Turned	
5/3/2018 DSOD	5-6Min	203	5-6min	204	30%	93	17	
5/21/19 DSOD	5-6Min	203	5-6min	204	Not Turned	Not Turned	Not Turned	
6/4/2020 DSOD	5-6Min	203	5-6min	204	Not Turned	Not Turned	Not Turned	
3/24/2021	5-6Min	203	5-6min	206	30%	93	17	
5/18/2022	5-6Min	203	5-6min	206	30%	93	17	
6/14/2022 DSOD	5-6Min	203	5-6min	206	92	92	17	
12/14/2022	5-6Min	206	5-6min	206	92	92	17	
2/23/2023	N/A	N/A	N/A	N/A	N/A	92	N/A	200cfs/
2/28/2023	N/A	N/A	N/A	N/A	N/A	92	17	0 cfs
3/3/2023	N/A	N/A	N/A	N/A	N/A	92	17	200 cfs
3/13/2023	N/A	N/A	N/A	N/A	N/A	92	17	0 cfs
3/20/2023	N/A	N/A	N/A	N/A	N/A	92	17	200 cfs
3/31/2023	N/A	N/A	N/A	N/A	N/A	92	17	0 cfs
8/1/2023	5-6Min	206	5-6min	206	92	92	17	

CNC Survey Report

Prepared by:

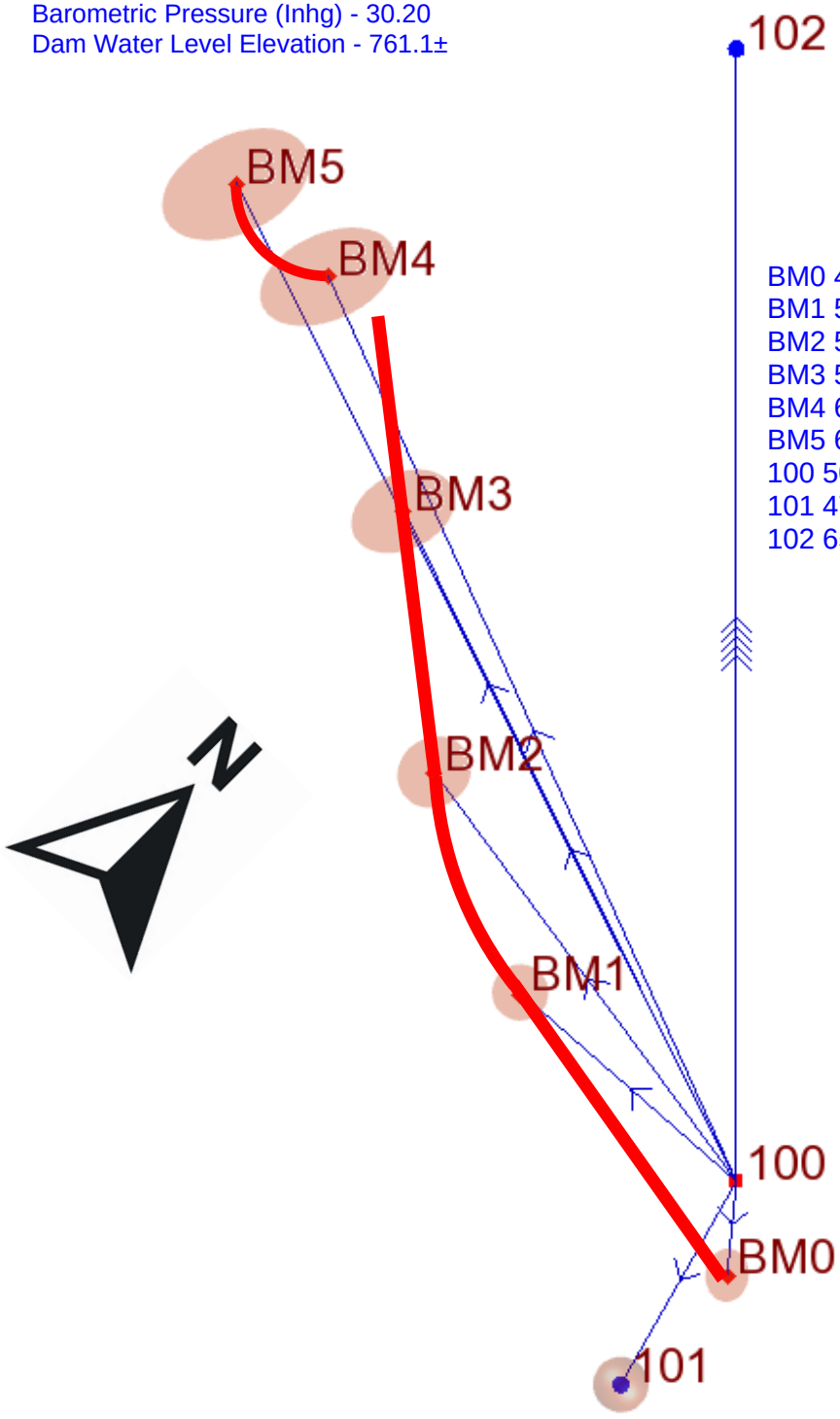
CNC ENGINEERING
26 Executive Park | Ste 270
Irvine | CA | 92614
P | 949.863.0588
www.cnc-eng.com

PROJECT: IRWD / Irvine Lake Dam – POSITION

Date: 12/6/2023

Weather Conditions:

Temp - 68°
Partly Cloudy
Humidity - 52%
Barometric Pressure (Inhg) - 30.20
Dam Water Level Elevation - 761.1±



Northing	Easting	Description
BM0	4875.15705,	4987.46028, PIPE CONC CASING
BM1	5251.55340,	4711.80839, PIPE CONC CASING
BM2	5544.91865,	4597.16498, PIPE CONC CASING
BM3	5892.21302,	4555.73231, PIPE CONC CASING
BM4	6204.53393,	4455.18201, BAR TOP WALL
BM5	6327.72426,	4332.93192, BAR TOP WALL
100	5000.00000,	5000.00000, CP/FD 2"BD BRASS NAIL
101	4729.44917	4845.86021, CP/FD 1"IP/BRASS NAIL
102	6505.10452,	5000.00000, CP/FD 2"BD OCS MON

LICENSED LAND SURVEYOR
TEDDY Y. OHANA
No. 8583
STATE OF CALIFORNIA

Prepared by:

CNC ENGINEERING

26 Executive Park | Ste 270
Irvine | CA | 92614
P | 949.863.0588
www.cnc-eng.com

Date: 12/6/2023

SURVEY LEVELING NOTES

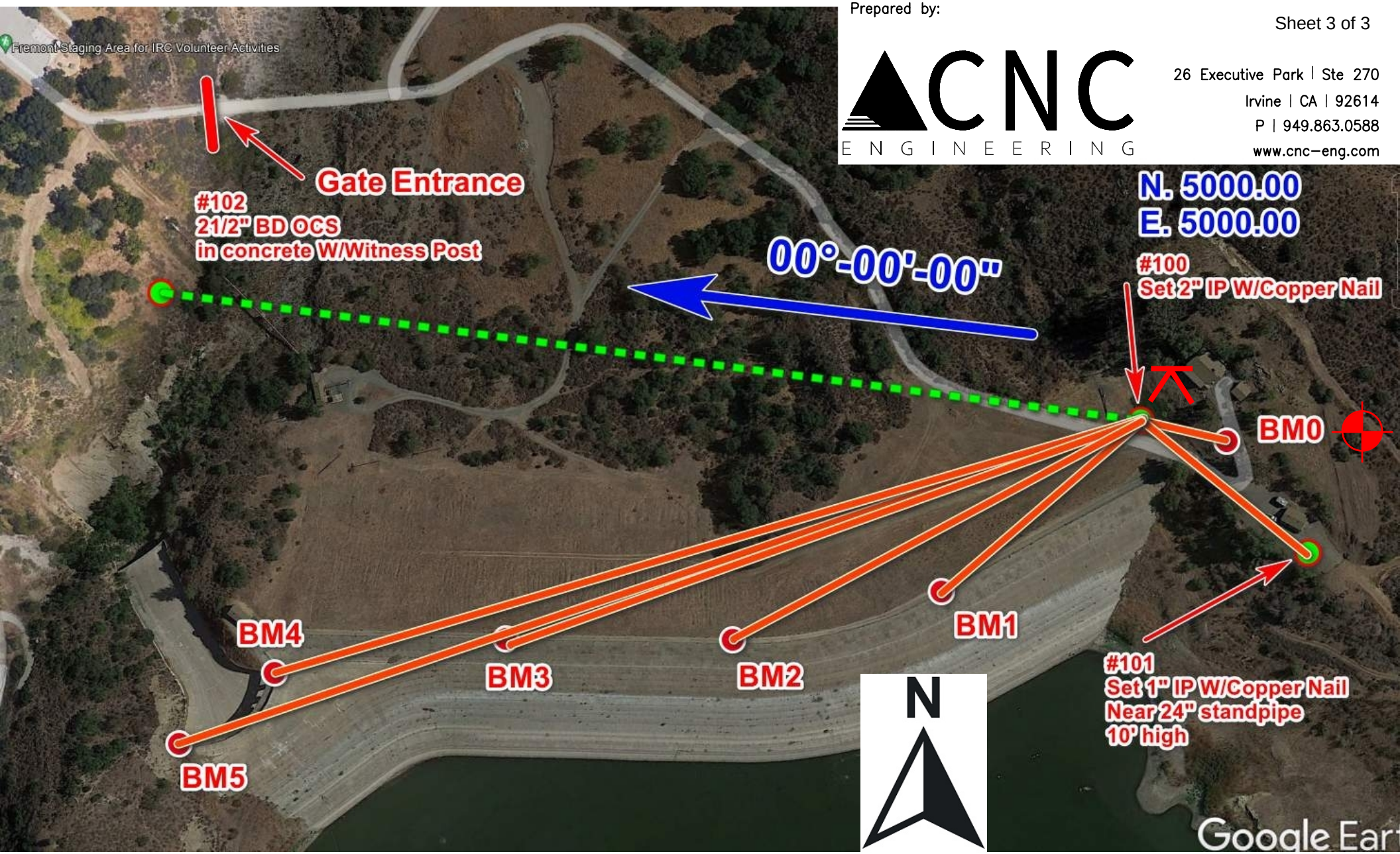
PROJECT: IRWD / Irvine Lake Dam – Level Report

STATION	B.S.	HI	F.S.	ADJ ELEVATION	SURVEY LEVELING NOTES
BM0				830.540	NAVD 88 Bench Elevation
	1.542	832.082			
TURN1			8.912	823.170	TURN1
	0.445	823.614			
CP100			13.091	810.526	2” Iron Pipe W/Copper Nail
	7.626	818.149			
BM1			6.233	811.913	PIPE IN CONC CASING
	5.578	817.493			
BM2			5.744	811.746	PIPE IN CONC CASING
	5.209	816.959			
BM3			5.350	811.606	PIPE IN CONC CASING
	5.498	817.107			
BM4			1.715	815.393	BAR ON TOP OF WALL
	1.930	817.323			
BM5			1.692	815.632	BAR ON TOP OF WALL
	1.564	817.195			
BM4			1.802	815.393	
	1.742	817.134			
BM3			5.535	811.606	
	5.304	816.904			
BM2			5.163	811.746	
	5.731	817.472			
BM1			5.565	811.913	
	6.283	818.190			
CP100			7.664	810.526	
	13.199	823.724			
TURN1			0.556	823.170	
	9.035	832.204			
BM0			1.666	830.540	NAVD 88 Bench Elevation
					ALL ELEVATIONS ARE ADJUSTED

Prepared by:

CNC ENGINEERING

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Irvine | CA | 92614
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Instrumentation Maintenance

GENTERRA
CONSULTANTS, INC.
ENGINEERING & GEOTECHNICAL SERVICES

June 20, 2023

Project No. 469-IRW

Serrano Water District
18021 Lincoln Street
Villa Park, CA 92861

Attention: Mr. Jerry Vilander
General Manager

Subject: Summary Letter of Results
Maintenance Cleaning of Selected Piezometers at Santiago Creek Dam
DSOD Dam No. 75-000, Orange County, California

Dear Mr. Vilander:

GENTERRA Consultants, Inc. (GENTERRA) is pleased to submit this summary letter of results to the Serrano Water District (District), which contains a description of the maintenance cleaning of three (3) piezometers at Santiago Creek Dam. The three (3) piezometers are identified as R-5 Lower, R-7 Upper and R-3 Middle. The work described in this summary letter was performed as described in the proposal for "Maintenance Cleaning of Selected Piezometers at Santiago Creek Dam", dated October 6, 2022, that had been prepared by GENTERRA at the District's request and as approved by the District through Purchase Order No. 14782, dated October 13, 2022.

BACKGROUND

Maintenance cleaning had been performed by the District in July 2015 and by GENTERRA in February 2018 for Piezometers R-5 Lower, and R-7 Upper by GENTERRA. GENTERRA is not aware of any previous maintenance cleaning performed for Piezometer R-3 Middle. The District has contacted GENTERRA believing there is evidence to suggest that all three (3) selected piezometers currently appear to be blocked and are in need of maintenance cleaning.

There are two areas within a piezometer where blockage can occur: (1) at the tip of the piezometer, or (2) within the standpipe portion of the piezometer, typically at a joint. Blockage at the tip of the piezometer is often caused by pore water pressure in the surrounding soil forcing fine-grained materials into the filter pack around the bottom portion of the piezometer, which creates a seal that prevents water from flowing freely into and out of the piezometer itself. Blockage within the standpipe portion of the piezometer is often caused by pore water pressure in the surrounding soil forcing fine-grained materials through the joints in the piezometer and forming a blockage in the standpipe.

WORK PERFORMED

GENTERRA started this project by performing a review of the layout of Piezometers R-5 Lower, R-7 Upper, and R-3 Middle at Santiago Creek Dam. This involved reviewing the piezometer details, including the total depth of the piezometer, the elevations of the top and tip of the piezometer, the elevation of the screened portion(s) of the piezometer, and the geologic and groundwater conditions surrounding the piezometer.

Following the completion of the review of the available information, GENTERRA field personnel Kristina Mohos and J. Will Kulikowski were on-site on October 19 and 20, 2022 to perform the bailing and flushing of the three piezometers at the dam. Two members of the Serrano Water District were on-site on October 19, 2022, to observe the beginning of the cleaning operation. The process included the following steps:

1. Initial water level within the standpipe and depth to bottom of standpipe or blockage level were measured at each piezometer; also, the reservoir water level was observed and documented.
2. Bailing to remove any of the existing water out of the piezometer and loosening or unblocking of any potential blockage in the piezometer. Removing the water and clearing any blockage enabled access to the entire inside of the piezometer, including the screened portion which was cleaned during the flushing of the piezometer. Photograph 1 shows the type of bailer that was used to remove the water from the piezometer.



Photograph 1: View of a small diameter stainless steel bailer used for bailing.

3. After bailing the piezometer multiple times to remove all water, the next step was to flush the piezometer. This consisted of sending clean water using a small tube to the bottom or blockage location and allow the water to loosen the blockage and carry away sediments and solids that may have settled at the bottom of the piezometer. This flushing method is repeated multiple times. This process also helped to remove any build-up of debris or fine-grained materials in the screened (perforated) portion of the piezometer, which may have prevented water from freely flowing into and out of the piezometer. Photograph 2, which was taken during the piezometer cleaning field work at Santiago Creek Dam, shows an example of the flushing process at one of the piezometers, R-3 Middle.



Photograph 2: View of flushing process being performed in Piezometer R-3 Middle at Santiago Creek Dam.

4. Upon completion of the flushing and bailing of the piezometer, the depth to water level and the depth to the bottom of the standpipe were obtained using a water-level meter. The piezometer was then given time to recharge and additional measurements of the depth to water were taken to monitor the recharge. Photograph 3, which was taken during the piezometer cleaning field work at Santiago Creek Dam, shows the water-level meter being used for measuring depth to water levels at one of the piezometers, R-3 Middle.



Photograph 3: View of water level meter used to take readings in Piezometer R-3 Middle at Santiago Creek Dam.

DETAILS OF PIEZOMETERS AND OBSERVATIONS AT SANTIAGO CREEK DAM DURING CLEANING

The reservoir water surface elevation was at 743.7 feet (NAVD 1988) at Santiago Creek Dam on October 19, 2022. The following sections provide information about the three (3) piezometers and observations made during the maintenance cleaning of Piezometers R-5 Lower, R-7 Upper, and R-3 Middle.

Piezometer R-5 Lower

Piezometers R-5 Lower and R-5 Upper had been installed within the same well cover and are located on the downstream bench of the dam at approximate Station 6+00. At Piezometer R-5 Lower, the top elevation is 751.93 feet, and the tip elevation is 654.43 feet, resulting in a total depth of 97.50 feet. The tip is situated within the bedrock. For Piezometer R-5 Upper, the top elevation is 751.92 feet, and the tip elevation is 676.92 feet, resulting in a total depth of 75.00 feet. The tip is situated within the alluvium. The standpipes for both piezometers are one-inch-diameter PVC (Photograph 4).

Historical depth to water level readings in Piezometer R-5 Lower were around 81 feet.

The initial water level reading was measured to be "dry", with a depth to bottom reading of 73.7 feet. While attempting to bail out the piezometer after flushing with clean water, the small diameter bailer was not able to be lowered completely because of partial blockage or bend in the standpipe of the piezometer at a depth of about 2.5-3 feet. Multiple unsuccessful attempts were made. The piezometer was flushed several times with clean water. Accumulations of dead bugs and sediment were removed from Piezometer R-5 Lower during the maintenance cleaning operation. Water had drained quickly through the piezometer and was reported "dry" at the end of the first day. The cleaning process was performed several times the next day on October 20, 2022. The water level in this piezometer, which was taken near the end of the second day on October 20, 2022, had drained quickly to "dry" and the bottom reading was lowered to a depth of 74.3 feet.

GENTERRA attempted to clean Piezometer R-5 Lower. GENTERRA believes that this maintenance cleaning was not successful to restore the functionality of Piezometer R-5 Lower. Since the water that was added into the standpipe drained quickly while there was a significant amount of sediment inside the standpipe, GENTERRA believes that added water was leaking through bad joint(s) or a broken standpipe. Based on an existing bend in the standpipe and a significant amount of accumulated sediment inside the standpipe, it would be very challenging to remove accumulated sediment to restore the full functionality of this piezometer. The District should consider abandoning this piezometer but it would be very difficult perform that process due to the presence of Piezometer R-5 Upper located on the same borehole. Alternatively, the District can stop taking readings from Piezometer R-5 Lower to avoid misleading data.



Photograph 4: View of 1-inch diameter PVC Standpipe Piezometers R-5 Lower and R-5 Upper.

Piezometer R-7 Upper

Piezometers R-7 Upper and R-7 Lower had been installed within the same well cover and are located on the downstream bench of the dam near approximate Station 3+50. At Piezometer R-7 Upper, the top elevation is 754.36 feet, and the tip elevation is 677.20 feet, resulting in a total depth of 77.16 feet. The tip is situated within the downstream pervious shell material. At Piezometer R-7 Lower, the top elevation is 754.37 feet, and the tip elevation is 664.70 feet, resulting in a total depth of 89.67 feet. The tip is situated within the alluvium. The standpipes for both piezometers are one-inch-diameter PVC.

Field work for this project was carried out on October 19 and 20, 2022. The initial water level reading was measured to be "dry", with a depth to bottom reading of 73.2 feet Accumulations of dead bugs and sediment were removed from Piezometer R-7 Upper during the maintenance cleaning operation (Photograph 5). Water drained quickly through the piezometer and was reported "dry" at the end of the first day. The cleaning process was performed several times the next day on October 20, 2022. The water level in this piezometer, which was taken near the end of the second day on October 20, 2022, had drained quickly to "dry" and the bottom reading was lowered to a depth of 75.2 feet.

GENTERRA attempted to clean the Piezometer R-7 Upper, but it is possible that the top of the slotted section was not reached during the cleaning process. Considering we were able to remove part of the sediment that was built up at the bottom using time allocated for the cleaning, another cleaning could be performed to attempt to clear the perforated (slotted) portion of the piezometer. In the meantime, both the depth to bottom and water level readings measured in Piezometer R-7 Upper should be monitored over the next several months to evaluate any difference in the piezometer's performance. Since the water that was added into the standpipe after removal of dead bugs and sediment drained very quickly and reached the dry condition, GENTERRA believes that this cleaning is reasonably successful to restore the functionality of Piezometer R-7 Upper. Considering that this Piezometer R-7 Upper has been historically dry, GENTERRA believes that this Piezometer R-7 Upper will remain predominantly dry during normal operation of the reservoir. If the reservoir level reaches a previously reported historic high water level elevation of 794.2 feet, then the water level in this Piezometer R-7 Upper can rise up to an elevation of 682 feet.



Photograph 5: View of flushing with clean water at Piezometer R-7 Upper.

Piezometer R-3 Middle

Piezometers R-3 Upper, R-3 Middle and R-3 Lower had been installed within the same well cover and located along the crest of the dam near approximate Station 9+50. At Piezometer R-3 Middle, the top elevation is 812.03 feet, and the tip elevation is 690.03 feet, resulting in a total depth of 122 feet. The tip is situated within the alluvium. Piezometer R-3 Upper is situated in terrace materials and Piezometer R-3 Lower is situated within bedrock. The standpipes for all three piezometers are one-inch-diameter PVC (Photograph 6).

Historical depth to water level readings in Piezometer R-3 Middle were around 60 feet. GENTERRA is not aware of any previous maintenance cleaning performed to Piezometer R-3 Middle.



Photograph 6: View of Piezometers R-3 Upper, Middle, and Lower.

The initial water level reading was measured to be 60.0 feet with a depth to bottom reading of 120.4 feet. While attempting to bail out the piezometer, the small diameter bailer was not able to be lowered completely because of partial blockage or bend in the standpipe of the piezometer at a depth of about 3 feet. Multiple unsuccessful attempts occurred. The piezometer was flushed several times with clean water and observed accumulations of dead bugs and sediment being removed from the piezometer. Water had drained very slowly through the piezometer on both days. The water level in this piezometer, which was taken at the end of the second day on October 20, 2022, remained the same at a depth of 60.0 feet while the bottom was lowered to a depth of 120.6 feet.

GENTERRA attempted to clean the Piezometer R-3 Middle. Since the water that was added into the standpipe drained very slowly and the depth to the slotted section of the standpipe is unknown, GENTERRA believes that the slotted section is clogged to some extent. In the meantime, both the depth to bottom and water level readings measured in Piezometer R-3 Middle should be monitored over the next several months to evaluate any difference in the piezometer's performance. If the water level in this Piezometer R-3 Middle does not fluctuate with the reservoir water level changes, then further investigation is needed to determine the source of water that reaches the soil layer where the piezometer tip is located. Considering that the water level in this Piezometer R-3 Middle has been historically at an elevation of about 752 feet, GENTERRA believes that it may remain at about

the same elevation. It may be beneficial to install a new piezometer adjacent to this Piezometer R-3 Middle with same tip elevation as Piezometer R-3 Middle to obtain independent and more reliable data.

CLOSURE

Water level readings in Piezometers R-5 Lower, R-7 Upper and R-3 Middle should be monitored over the next several months to evaluate the effectiveness of the cleaning.

As stated in our proposal for this work, these piezometers may clog again in the future. This is because there is a potential for accumulation of solid materials and/or dead bugs into the standpipes. If additional blockage occurs, the piezometers may have to be bailed and flushed again to improve their functionality. That additional work, if needed, would be discussed and agreed-upon with the District prior to making arrangements to return to the site.

Thank you for allowing us to provide the District with these important services. If you have any questions or need additional information, please contact J. Will Kulikowski, Joseph J. Kulikowski or me with any questions.

Sincerely,
GENTERRA CONSULTANTS, INC.



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