

Alternative Plan for Tahoe Valley South Subbasin (6-005.01)

First Five-Year Update

Rybarski, S., Hausner, M and I. Bergsohn

4/22/2022

Volume II - Appendices

Volume II

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APPENDIX A

Authorizing Resolutions



South Tahoe Public Utility District

General Manager
Richard H. Solbrig

Directors
Chris Cefalu
James R. Jones
Randy Vogelgesang
Kelly Sheehan
Duane Wallace

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Phone 530 544-6474 • Fax 530 541-0614 • www.stpubd.us

August 12, 2015

VIA EMAIL AND FEDERAL EXPRESS

Mark Nordberg, GSA Project Manager
Senior Engineering Geologist
California Department of Water Resources
901 P Street, Room 213A
P.O. Box 942836
Sacramento, California 94236
Mark.Nordberg@water.ca.gov

Bill Brewster
Senior Engineering Geologist
3500 Industrial Blvd.
West Sacramento, California 95691
Bill.Brewster@water.ca.gov

RE: SOUTH TAHOE PUBLIC UTILITY DISTRICT NOTICE OF ELECTION TO SERVE AS GROUNDWATER SUSTAINABILITY AGENCY

Dear Mr. Nordberg and Mr. Brewster:

The South Tahoe Public Utility District (“District”) provides this Notice, pursuant to Water Code Section 10723.8, of its election to serve as the Groundwater Sustainability Agency (“GSA”) for the portion of the Tahoe Valley South Groundwater Basin (“TVS Basin”) identified in Exhibit A. To the best of the District’s knowledge, there are no other entities desiring to serve as a GSA within this portion of the TVS Basin.

The District is a public utility district formed and operating under the provisions of the California Public Utility District Act (California Public Utility Code Section 15501, *et. seq.*) and has the authority to exercise powers related to groundwater management. The District has territory in El Dorado County and depends on the TVS Basin, an unadjudicated groundwater basin underlying the District’s service area, to help meet the water needs of its customers.

On July 16, 2015, the District’s Board of Directors held a public hearing to consider its decision to serve as a GSA for the TVS Basin. The District caused notice of this public hearing to be published in the *Tahoe Daily Tribune*, as provided by Water Code Section 10723(b) and

Government Code Section 6066. Proof of publication of this notice is attached as Exhibit B. A courtesy copy of the notice was also emailed to the Board of Supervisors of El Dorado County ("County"). A copy of the notice was also provided to the District's existing stakeholder advisory group ("SAG"), convened as part of the District's development of its 2014 Groundwater Management Plan ("GWMP"). All feedback and comments received prior to the public hearing were supportive of the District's election to act as the GSA for the TVS Basin. No comments were received at the public hearing.


Immediately following the public hearing, the District's Board of Directors adopted Resolution No. 2986-15, attached as Exhibit C, electing that the District shall be a GSA for the area described therein, and setting out a framework for the development, adoption and implementation of a groundwater sustainability plan ("Plan") for the TVS Basin pursuant to the Sustainable Groundwater Management Act ("SGMA") and other applicable provisions of law. The District has not adopted any other bylaws, regulations, or ordinances in its role as GSA at this time, though the need for the same may be revisited during Plan development.

The governing board of the GSA will be the District's Board of Directors, which is made up of residents from within the District's service area, elected to their positions by other residents. Therefore, issues pertaining to the TVS Basin will be discussed and decided by elected representatives local to TVS Basin. Additionally, the District is planning to expand its existing SAG in order to also encompass development and implementation of a Plan under SGMA. This expanded SAG will be referred to herein as the GSA SAG. Pursuant to this process, the District plans to invite additional interested stakeholders to participate in the GSA SAG in order to increase the group's representation of the various beneficial uses and users of groundwater throughout the TVS Basin. The District is planning to utilize the GSA SAG to communicate with interested stakeholders in the sustainable management of groundwater in the TVS Basin and to continue to solicit feedback from those stakeholders as the Plan is developed.

Pursuant to the requirements of Water Code Section 10723.8(a)(4), Exhibit D further outlines how the District is planning to consider the interests of all beneficial uses and users of groundwater in management of the GSA and implementation of the Plan.

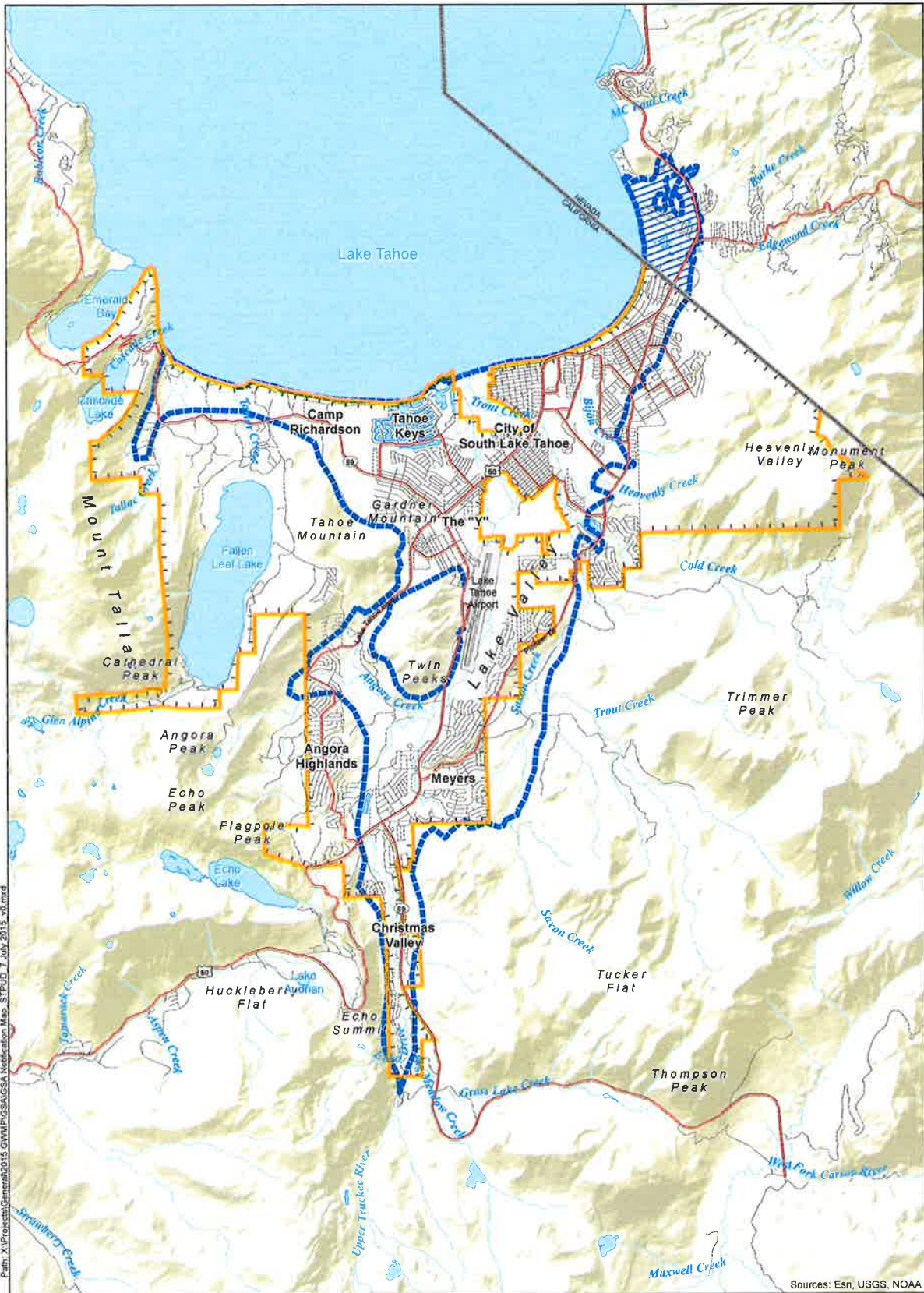
If you require further information regarding these matters or have any questions, please contact Ivo Bergsohn at 503.543.6204 or ibergsohn@stpud.dst.ca.us.

Sincerely,


Richard Solbrig
General Manager/PE

Attachments: Map of TVS Basin (Exhibit A)
Proof of Publication of Notice (Exhibit B)
STPUD Resolution No. 2986-15 (Exhibit C)
List of All Beneficial Users of Groundwater (Exhibit D)









EXHIBIT A



Path: X:\Projects\General\2015 GWMP\GSA\GSA Notification Map_STPUD_7 July 2015_v0.mxd

Sources: Esri, USGS, NOAA


LEGEND

-  Tahoe Valley South Groundwater Basin
-  Nevada Extension of Groundwater Basin
-  Lake
-  STPUD Service Area
-  River
-  Major Highway
-  Road
-  State Line



South Tahoe Public Utility District
 Groundwater Sustainability Agency (GSA)
 Section 10723.6 Notification Map

Tahoe Valley South Groundwater Basin
 (DWR Basin 6-5.01)



July 2015
 Exhibit A

EXHIBIT B



P.O. Box 1888
 Carson City, NV 89702
 Phone (775) 881-1201
 Fax (775) 887-2408

Account Number: #1067078

Legal Acct
 South Tahoe Public Utility District
 1275 Meadow Crest Dr.
 South Lake Tahoe, CA 96150
 Attn: Heidi Baugh

Cora Jeffreys says:
 That (s)he is a legal clerk of the **TAHOE DAILY TRIBUNE**, a newspaper published Wednesday, Friday, Saturday, at South Lake Tahoe, in the State of California.

PH July 16th

AD# 11317995

of which a copy is hereto attached, was published in said newspaper for the full required period of **2 times** commencing on **July 1, 2015**, and ending **July 10, 2015**, all days inclusive.

Signed: 

STATEMENT:

Date	Amount	Credit	Balance
07/10/15	\$58.14	\$0.00	\$58.14

Proof and Statement of Publication

NOTICE OF PUBLIC HEARING

NOTICE IS HEREBY GIVEN that a Public Hearing of the South Tahoe Public Utility District Board of Directors will be held:

--Thursday, July 16, 2015 at 2:30pm--
SOUTH TAHOE PUBLIC UTILITY DISTRICT
 1275 Meadow Crest Drive, South Lake Tahoe, California 96150
 530-544-6474

The purpose of this Public Hearing is to accept public comment regarding the South Tahoe Public Utility District's election to become the designated Groundwater Sustainability Agency, pursuant to the Sustainable Groundwater Management Act, for the Tahoe Valley South Groundwater Basin. Additional information can be found at: <http://www.stpub.us>.

Ivo Bergsohn
 Hydro-Geologist
SOUTH TAHOE PUBLIC UTILITY DISTRICT BOARD OF DIRECTORS

Pub: July 1, 10, 2015 Ad#11317995

EXHIBIT C

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RESOLUTION NO. 2986-15

**A RESOLUTION OF THE BOARD OF DIRECTORS OF THE
SOUTH TAHOE PUBLIC UTILITY DISTRICT
TO BE ELECTED AS THE GROUNDWATER SUSTAINABILITY AGENCY
FOR THE TAHOE VALLEY SOUTH BASIN PURSUANT TO THE
SUSTAINABLE GROUNDWATER MANAGEMENT ACT**

WHEREAS, the California Legislature has adopted, and the Governor has signed into law, the Sustainable Groundwater Management Act of 2014 ("the Act"), which authorizes local agencies to manage groundwater in a sustainable fashion; and

WHEREAS, the legislative intent of the Act is to provide for sustainable management of groundwater basins, to enhance local management of groundwater, to establish minimum standards for sustainable groundwater management, and to provide local groundwater agencies with the authority and the technical and financial assistance necessary to sustainably manage groundwater; and

WHEREAS, in order to exercise the authority granted in the Act, a local agency or combination of local agencies must elect to become a groundwater sustainability agency ("GSA"); and

WHEREAS, the South Tahoe Public Utility District (the "District") is a local agency, as the Act defines that term; and

WHEREAS, the District is committed to sustainable management of its groundwater resources as shown by, among other actions, its adoption of a Groundwater Management Plan for the Tahoe Valley South Groundwater Basin ("TVS Basin") in December 2014 and its creation of a Stakeholder Advisory Group to participate in the process; and

WHEREAS, the District overlies an unadjudicated basin, the TVS Basin (designated basin number 6-5.01 in the California Department of Water Resources' CASGEM groundwater basin system), and it is appropriate for the District to be a GSA; and

WHEREAS, the Act requires that a GSA be elected for all basins designated by the Department of Water Resources as a medium-priority basin, such as the TVS Basin, by June 30, 2017; and

WHEREAS, the TVS Basin is designated as a medium-priority basin pursuant to the Department of Water Resources' initial prioritization; and

WHEREAS, the Act requires that a GSA be elected for all basins designated as a medium-priority basin by June 30, 2017; and

WHEREAS, it is the intent of the District to work cooperatively with other local GSAs, as may be appropriate, to sustainably manage portions of the TVS Basin that fall outside the District's jurisdiction; and

1 **WHEREAS**, notice of a hearing on the District's election to become a GSA for the
2 TVS Basin ("Notice") has been published in the Tahoe Daily Tribune as provided by law;
3 and

4 **WHEREAS**, a courtesy copy of the Notice was also mailed to the EL Dorado
5 County Board of Supervisors; and

6 **WHEREAS**, on this day, the District held a public hearing to consider whether it
7 should elect to become a GSA for the TVS Basin; and

8 **WHEREAS**, it would be in the best interests of the District to become a GSA for the
9 TVS Basin, and to begin the process of preparing a groundwater sustainability plan
10 ("Sustainability Plan"); and

11 **WHEREAS**, the Sustainability Plan for the TVS Basin will encompass and supersede
12 the Groundwater Management Plan for the TVS Basin that the District adopted in
13 December 2014; and

14 **WHEREAS**, adoption of this resolution does not constitute a "project" under
15 California Environmental Quality Act Guidelines Section 15378(b)(5), including
16 organization and administrative activities of government, because there would be no
17 direct or indirect physical change in the environment.

18 **THEREFORE, BE IT RESOLVED** by the Board of Directors of the South Tahoe Public
19 Utility District, as follows:

- 20 1. The District hereby elects to become a GSA for the TVS Basin.
- 21 2. Within thirty days of the date of this resolution, the District's staff is directed
22 to provide notice of the District's election to be the GSA for the TVS Basin
23 ("Notice of GSA Election") to the California Department of Water
24 Resources in the manner required by law.
- 25 3. One of the elements of the Notice of GSA Election is the boundaries of the
26 area of the TVS Basin or the portion of the TVS Basin that the District intends
27 to manage. Until further action of the District, the boundaries of the GSA
28 shall be the boundaries of the portion of the TVS Basin that the District
29 currently manages within its jurisdiction. A copy of a map of the
30 management area is attached as Exhibit A.
4. The District's Staff shall begin discussions with the all interested
stakeholders and beneficial users within the TVS in order to begin the
process of developing a Sustainability Plan for the TVS Basin.

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- 5. The District's Staff is directed to report back to the District's Board of Directors at least quarterly on the progress toward developing the Sustainability Plan. The District's Board of Directors wishes to move forward aggressively to complete the development of the Sustainability Plan as quickly as may be feasible and to ensure that the TVS Basin is managed in a sustainable fashion at the earliest possible date.

- 6. All the recitals in this resolution are true and correct and the District so finds, determines and represents.

WE, THE UNDERSIGNED, do hereby certify that the above and foregoing Resolution No. 2986-15 was duly adopted and passed by the Board of Directors of the South Tahoe Public Utility District at a regularly scheduled meeting held on the 16TH day of July, 2015, by the following vote:

AYES: Cefalu, Jones, Vogelgesang, Sheehan, Wallace

NOES: None

ABSENT: None



Randy Vogelgesang, Board President
South Tahoe Public Utility District

ATTEST:



Melonie Guttry, Clerk of the Board

EXHIBIT D

LIST OF ALL BENEFICIAL USES AND USERS OF GROUNDWATER

Pursuant to Water Code Section 10723.8(a)(4), the District will consider the interests of all beneficial uses and users of groundwater, as well as those responsible for implementing a Plan. These interests include, but are not limited to, all of the following:

Holders of Overlying Groundwater Rights, including:

- **Agricultural Users:** N/A.
- **Domestic Well Owners:** There may be as many as 540 domestic wells within the District's boundaries. The District anticipates that the Plan will address the collective interests of domestic users of groundwater wells and plans to engage in outreach to domestic well owners within the Plan area throughout development of the Plan.

Municipal Well Operators: There are no municipal well operators within the District's boundaries. The City of South Lake Tahoe does not have any groundwater wells used for municipal drinking water supply within the TVS Basin.

Public Water Systems. The following public water systems are located within the District's boundaries:

- **Community Water Systems:**
 - Tahoe Keys Water Company
 - Lukins Brothers Water Company
 - Lakeside Mutual Water Company

- **Non-Transient Non-Community Water Systems:**
 - Al Tahoe Elementary
 - South Shore Recreation Area
 - Station House Inn
 - Tahoe Valley Elementary School

- **Transient Non-Community Water Systems:**
 - A & A Lake Tahoe Inn
 - Alder Inn
 - Alpenrose Inn
 - Alpine Inn & Spa
 - Angora Lakes Resort
 - Baldwin Beach
 - Beverly Lodge
 - Deerfield Lodge at Heavenly
 - Echo Peak Water Association
 - Emerald Pines Resort Cabins
 - Heather Lake Road Tract
 - King's IV Condominiums
 - Mark Twain Motel
 - Matterhorn Motel

- Midway Motel Annex
 - National 9
 - Pinewood Inn
 - Rainbow Tract Water Association
 - Spring Creek Tract Association
 - Summit Pines Apartments
 - Sunray Tahoe Hotel
 - Tahoe Chalet Inn
 - Tahoe Valley Lodge
 - Travel Inn
 - Villa Tahoe Condominiums
- **State Small Water Systems:**
 - 47 Milestone/Aspen Creek Tract
 - Alta Mira Building
 - Aspen Apartments
 - Aspen Creek Water Association
 - Byrson Creek Water Association
 - Della Cell Cottages
 - Heavenly Valley Trailer Park
 - Huckleberry Ridge Mutual Water
 - Hunter Water Supply System
 - Johnson Fairway Water System
 - Lower Emerald Bay Tract
 - Mermaid Cove Spring
 - Morgan Center
 - Pine Cone Trailer Park
 - Pinewood Inn
 - Siesta Arms Apartments
 - Sonora Apartments
 - South Echo Summit Tract Civic
 - Stanford Hill Tract
 - Tahoe Blue Water Company
 - Tahoe Cottage Inn
 - Tahoe Shores West Annex
 - Young Street Apartments

Two of the largest water systems—Lukins Water Company and Tahoe Keys Water Company—have been involved in the SAG. The District also invited Lakeside Mutual Water Company to participate in SAG meetings, although it has not attended. The District intends to continue communicating with these entities to ensure that they understand their on-going opportunity to participate in both implementation of the GWMP and development and implementation of a SGMA-compliant Plan for the TVS Basin. The District also plans to retain a seat on the GSA SAG for a representative chosen from among all of the Public Water Companies overlying the TVS Basin.

Local Land Use Planning Agencies

- Tahoe Regional Planning Agency
- El Dorado County
- City of South Lake Tahoe
- U.S. Forest Service

Representatives from the above entities have participated in the SAG and were provided notice of the District's intention to serve as the GSA under SGMA. The District intends to continue to communicate with and solicit feedback from these entities regarding implementation of the GSA and development and adoption of a SGMA-compliant Plan for the TVS Basin. The District also plans to invite representatives from these entities to participate on the GSA SAG.

Environmental Users of Groundwater. The District is not aware of any environmental users of groundwater in the TVS Basin. There are a significant number of conservation organizations that are dedicated to preserving and maintaining environmental values within the Lake Tahoe Basin. A number of these organizations are presently represented on the GWMP email communication list including; California Tahoe Conservancy ("CTC"); Sierra Club-Lake Tahoe Chapter; Tahoe Resource Conservation District; Truckee River Water shed Council and Trout Unlimited. A current SAG member is from the CTC and another member is also a Board Member for the Sierra Club-Tahoe Chapter. The District intends to continue communicating with these entities to ensure that they understand their on-going opportunity to participate in both implementation of the GWMP and development and implementation of a Plan for the TVS Basin.

Surface Water Users, if there is a hydrologic connection between surface and groundwater bodies. The District is unaware of any users of surface water that is connected to the TVS Basin. In its 2014 GWMP, the District reported that groundwater and surface water systems are connected in the TVS Basin. Groundwater discharges to stream channels along much of the Upper Truckee River and Trout Creek. These groundwater discharges account for a substantial proportion of the total streamflow during the late summer and fall when runoff from surrounding mountains has diminished. A potential consequence of this interconnection between groundwater and surface water systems is that pumping from groundwater wells has the potential of reducing base flow to streams, which could affect stream environment zones and the aquatic and biologic resources dependent on those habitats. In order to address this concern the District intends to identify critical reaches of streams, and wetland areas that may be susceptible to active groundwater pumping.

Federal Government, including, but not limited to, the military and managers of federal lands. The U.S. Forest Service manages both the Lake Tahoe Basin Management Unit and the El Dorado National Forest, both of which overlie a portion of the TVS Basin with the District's service area. Please refer to the comments above for additional information regarding the District's plans to consider the U.S. Forest Service's interests.

California Native American Tribes. N/A. There are no California Native American Tribes overlying the TVS Basin.

Disadvantaged Communities, including, but not limited to those served by private domestic wells or small community water systems. N/A. No area overlying the TVS Basin is considered a disadvantaged community.

Entities Listed in Section 10927 that are Monitoring and Reporting Groundwater Elevations in all or a part of the Groundwater Basin Managed by the GSA. The District is a California Statewide Groundwater Elevation Monitoring (“CASGEM”) entity for the TVS Basin. The District also developed and adopted a GWMP for the TVS Basin under Water Code Sections 10750, *et seq.* and monitors groundwater levels pursuant to this plan.

The District, the GSA SAG, and other stakeholders’ roles and responsibilities will be further developed and defined in the Plan. The District’s staff welcomes feedback during this process from the state, any of the agencies or organizations listed herein, and any other interested stakeholders.

If DWR requires anything further prior to the acceptance of this notification of the District’s election to serve as the GSA for the TVS Basin, please address your concerns to:

Ivo Bergsohn, P.G., CHg.
Hydro-Geologist
South Tahoe Public Utility District
1275 Meadow Crest Drive
South Lake Tahoe, CA 96150
Phone: 530.544.6474
Fax: 530.541.0614
Email: ibergsohn@stpud.dst.ca.us

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RESOLUTION NO. 3055-17

**A RESOLUTION OF THE SOUTH TAHOE PUBLIC UTILITY DISTRICT ELECTING TO WITHDRAW AS
THE GROUNDWATER SUSTAINABILITY AGENCY FOR THE PORTION OF THE TAHOE VALLEY
SOUTH GROUNDWATER BASIN OUTSIDE OF ITS SERVICE AREA BOUNDARIES
PURSUANT TO THE SUSTAINABLE GROUNDWATER MANAGEMENT ACT**

WHEREAS, the California Legislature has adopted, and the Governor has signed into law, the Sustainable Groundwater Management Act of 2014 ("Act"), which authorizes local agencies to manage groundwater in a sustainable fashion; and

WHEREAS, the legislative intent of the Act is to provide for sustainable management of groundwater basins, to enhance local management of groundwater, to establish minimum standards for sustainable groundwater management, and to provide local agencies with the authority and the technical and financial assistance necessary to sustainably manage groundwater; and

WHEREAS, in order to exercise the authority granted in the Act, a local agency or combination of local agencies must elect to become a groundwater sustainability agency ("GSA"); and

WHEREAS, the South Tahoe Public Utility District ("District") and the El Dorado County Water Agency ("County Water Agency") are each a local agency, as the Act defines that term; and

WHEREAS, the District overlies a portion of the Tahoe Valley South Groundwater Basin (designated basin number 6-5.01 in the California Department of Water Resources' CASGEM groundwater basin system) ("TVS Basin"), which has been designated as a medium-priority basin pursuant to the Department of Water Resources' ("DWR") initial prioritization; and

WHEREAS, the County Water Agency overlies the entire TVS Basin; and,

WHEREAS, the Act requires that a GSA or a combination of GSAs be elected for all basins designated by DWR as a medium-priority basin by June 30, 2017; and

WHEREAS, the District adopted Resolution No. 2986-15 electing to be the GSA for the portion of the TVS Basin within its service area boundaries on July 16, 2016, submitted its GSA Formation Notification to DWR on August 12, 2015 ("2015 GSA Formation Notification"), and was recognized as the exclusive GSA for this portion of the TVS Basin on November 17, 2015 ("District Territorial GSA"); and

WHEREAS, the District adopted Resolution No. 3040-16 electing to be the GSA for the portion of the TVS Basin outside its service area boundaries on September 15, 2016, submitted its GSA Formation Notification to DWR on September 16, 2016 ("2016 GSA Formation Notification"), and was recognized as the exclusive GSA for this portion of the TVS Basin on September 15, 2016 ("District Extraterritorial GSA"); and

1 **WHEREAS**, recent discussions with the State Water Resources Control Board
2 ("SWRCB") have raised concerns about a local agency forming a GSA outside of its
3 service area boundaries. These concerns raise a risk that the 2016 GSA Formation
4 Notification may be considered invalid and that the TVS Basin could potentially be
5 designated as "probationary" by the SWRCB and be put under the SWRCB
6 management; and

7 **WHEREAS**, it is in the best interest of the District and the County Water Agency for
8 the County Water Agency to become the GSA for the portion of the TVS Basin outside
9 of the District's service area boundaries in order to avoid potential intervention by the
10 SWRCB and to retain local control of the TVS Basin groundwater resources ; and

11 **WHEREAS**, on May 17, 2017, the County Water Agency intends to hold a public
12 hearing to consider whether it should elect to become the GSA for the portion of the
13 TVS Basin outside of the District's service area boundaries; and

14 **WHEREAS**, in anticipation of the County Water Agency becoming the GSA for the
15 portion of the TVS Basin outside of the District's service area boundaries, the District
16 intends to withdraw as the District Extraterritorial GSA effective upon the County Water
17 Agency being recognized as the exclusive GSA for the portion of the TVS Basin outside
18 the District's service area boundaries; and

19 **WHEREAS**, the District and the County Water Agency intend to enter into an
20 Amended and Restated Memorandum of Understanding to continue to cooperatively
21 manage the TVS Basin and agreeing to implement the Act in the TVS Basin; and

22 **WHEREAS**, neither this Resolution or the notice of intent to withdraw the 2016 GSA
23 Formation Notification that the District submits to DWR notifying DWR that the District has
24 elected to withdraw as the District Extraterritorial GSA for the portion of the TVS Basin
25 outside of its service area boundaries ("GSA Withdrawal Notification") shall have any
26 effect on the 2015 GSA Formation Notification or on DWR's previous recognition of the
27 District as the exclusive GSA for the portion of the TVS Basin within the District's service
28 area.

29 **THEREFORE, BE IT RESOLVED** by the Board of Directors of the South Tahoe Public
30 Utility District, as follows:

1. The District hereby elects to withdraw as the District Extraterritorial GSA for the portion of the TVS Basin outside of its service area boundaries effective upon the County Water Agency being recognized as the exclusive GSA for the portion of the TVS Basin outside the District's service area boundaries.
2. Within thirty days of the date of this Resolution, the District's General Manager is directed to provide the GSA Withdrawal Notification to DWR in the manner required by law.
3. The District shall enter into an Amended and Restated Memorandum of Understanding with the County Water Agency formalizing the District and the County Water Agency's agreement to continue to cooperatively

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manage the TVS Basin and agreeing to implement the Act in the TVS Basin.

- 4. The District's Board of Directors wishes to satisfy the requirements of the Act as quickly as may be feasible and to ensure that the TVS Basin is sustainably managed in compliance with the Act at the earliest possible date. To this end, District staff is directed to report back to the District's Board of Directors at least quarterly on the District's progress toward bringing the TVS Basin into compliance with the Act.
- 5. All the recitals in this resolution are true and correct and the District so finds, determines and represents.

WE, THE UNDERSIGNED, do hereby certify that the above and foregoing Resolution No. 3055-17 was duly adopted and passed by the Board of Directors of the South Tahoe Public Utility District at a regularly scheduled meeting held on the 4th day of May, 2017, by the following vote:

AYES: JONES, VOGELGESANG, SHEEHAN, WALLACE
NOES: NONE
ABSENT: CEFALU



Randy Vogelgesang, Board President
South Tahoe Public Utility District

ATTEST:


Melonie Guttry, Clerk of the Board



RESOLUTION NO. WA-11-2017

OF THE BOARD OF DIRECTORS

OF THE EL DORADO COUNTY WATER AGENCY

A RESOLUTION OF THE EL DORADO COUNTY WATER AGENCY ELECTING TO BECOME THE GROUNDWATER SUSTAINABILITY AGENCY FOR THE PORTION OF THE TAHOE VALLEY SOUTH GROUNDWATER BASIN OUTSIDE OF THE SOUTH TAHOE PUBLIC UTILITY DISTRICT'S SERVICE AREA BOUNDARIES PURSUANT TO THE SUSTAINABLE GROUNDWATER MANAGEMENT ACT

WHEREAS, the California Legislature has adopted, and the Governor has signed into law, the Sustainable Groundwater Management Act of 2014 ("Act"), which authorizes local agencies to manage groundwater in a sustainable fashion; and

WHEREAS, the legislative intent of the Act is to provide for sustainable management of groundwater basins, to enhance local management of groundwater, to establish minimum standards for sustainable groundwater management, and to provide local agencies with the authority and the technical and financial assistance necessary to sustainably manage groundwater; and

WHEREAS, in order to exercise the authority granted in the Act, a local agency or combination of local agencies must elect to become a groundwater sustainability agency ("GSA"); and

WHEREAS, the El Dorado County Water Agency ("County Water Agency") is a local agency, as the Act defines that term; and

WHEREAS, the County Water Agency overlies all of the Tahoe Valley South Groundwater Basin (designated basin number 6-5.01 in the California Department of Water Resources' CASGEM groundwater basin system) ("TVS Basin"), which has been designated as a medium-priority basin pursuant to the Department of Water Resources' ("DWR") initial prioritization; and

WHEREAS, the Act requires that a GSA be elected for all basins designated by DWR as a medium-priority basin by June 30, 2017; and

WHEREAS, the South Tahoe Public Utility District ("District") adopted Resolution No. 2986-15 electing to be the GSA for the portion of the TVS Basin within its service area on July 16, 2015, submitted its GSA Formation Notification to DWR on August 12, 2015 ("District 2015 GSA Formation Notification"), and was recognized as the exclusive GSA for this portion of the TVS Basin on November 17, 2015 ("District GSA"); and

WHEREAS, the District also adopted Resolution No. 3040-16 electing to be the GSA for the portion of the TVS Basin outside its service area boundaries on September 15, 2016, submitted its GSA Formation Notification to DWR on September 16, 2016 ("District 2016 GSA Formation Notification"), and was recognized as the exclusive GSA for this portion of the TVS Basin on December 28, 2016; and

WHEREAS, however, recent discussions with the State Water Resources Control Board ("SWRCB") have raised concerns about a local agency forming a GSA outside of its service area boundaries. These concerns raise a risk that the District's 2016 GSA Formation Notification may be considered invalid and that the TVS Basin could potentially be designated as "probationary" by the SWRCB and be put under SWRCB management; and

WHEREAS, therefore, to avoid potential intervention by the SWRCB and to retain local control of the TVS Basin's groundwater resources, the District and the County Water Agency agree that it is in the best interest of the TVS Basin for the District to withdraw the District 2016 GSA Formation Notification and for the County Water Agency to become the GSA for this portion of the TVS Basin outside of the District's service area boundaries; and

WHEREAS, in anticipation of the County Water Agency becoming the GSA for the portion of the TVS Basin outside of the District's service area boundaries, the District adopted Resolution 3055-17 on May 4, 2017 to withdraw as the GSA for the portion of the TVS Basin outside its service area boundaries effective upon the County Water Agency being recognized as the exclusive GSA for the portion of the TVS Basin outside the District's service area boundaries; and

WHEREAS, historically, the District and the County Water Agency have worked cooperatively to manage the TVS Basin, including working together to develop and implement both the original Groundwater Management Plan adopted in 2000 and the updated Groundwater Management Plan for the TVS Basin adopted in December 2014 ("2014 GWMP"); and

WHEREAS, on this day, the County Water Agency held a public hearing to consider whether it should elect to become the GSA for the portion of the TVS Basin outside of the District's service area boundaries; and

WHEREAS, concurrent with the adoption of this Resolution, the District and the County Water Agency intend to enter into an Amended and Restated Memorandum of Understanding ("MOU") to continue to cooperatively manage and implement the Act in the TVS Basin; and

WHEREAS, neither this Resolution nor the notice of intent that the District submits to DWR notifying it that the District has also elected to withdraw as the GSA for the portion of the TVS Basin outside of its service area boundaries ("County Water Agency GSA Formation Notification") will have any effect on the District's 2015 GSA Formation Notification or on DWR's previous recognition of the District as the exclusive GSA for the portion of the TVS Basin within the District's service area; and

WHEREAS, it is in the best interest of the District and the County Water Agency for the County Water Agency to become the GSA for the portion of the TVS Basin outside of the District's service area boundaries; and

WHEREAS, notice of a hearing on the County Water Agency's election to become the GSA for the portion of the TVS Basin outside of the District's service area boundaries ("Notice") has been published in the Tahoe Tribune and in the Mountain Democrat as provided by law; and

WHEREAS, adoption of this Resolution does not constitute a "project" under California Environmental Quality Act Guidelines Section 15378(b)(5), including organization and administrative activities of government, because there would be no direct or indirect physical change in the environment.

THEREFORE, BE IT RESOLVED by the Board of Directors as follows:

1. The County Water Agency hereby elects to become the GSA for the portion of the TVS Basin outside of the District's service area boundaries.
2. Prior to June 30, 2017, the County Water Agency's Interim General Manager is directed to provide the County Water Agency's GSA Formation Notification to DWR in the manner required by law.
3. One of the elements required for submission with the County Water Agency's GSA Formation Notification is a map delineating the boundaries that the County Water Agency intends to manage. Pursuant to this Resolution, the County Water Agency intends to manage the portions of the TVS Basin outside of the District's service area as depicted in Attachment "A" to this Resolution.
4. Concurrent with adoption of this Resolution, the County Water Agency shall enter into an MOU with the District formalizing the County Water Agency's and the District's agreement to continue to cooperatively manage and implement the Act in the TVS Basin.
5. The County Water Agency's Board of Directors wishes to satisfy the requirements of the Act as quickly as may be feasible and to ensure that the TVS Basin is sustainably managed in compliance with the Act at the earliest possible date. To this end, the County Water Agency's Interim General Manager is directed to report back to the County Water Agency's Board of Directors at least quarterly on the County Water Agency's progress toward bringing the TVS Basin into compliance with the Act.
6. All the recitals in this Resolution are true and correct and the County Water Agency so finds, determines and represents.

PASSED AND ADOPTED BY THE Board of Directors of the El Dorado County Water Agency at a regular meeting of said Board, held on June 14, 2017, by the following vote of said Board:

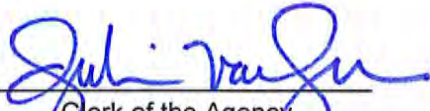
Ayes: Ranalli, Wallace, Coco, Veerkamp

Noes: None

Abstain: None

Absent: Frentzen

ATTEST:

By: 
Clerk of the Agency

By: 
Chair, Board of Directors

I CERTIFY THAT:

THE FOREGOING INSTRUMENT IS A CORRECT COPY OF THE ORIGINAL ON FILE IN THIS OFFICE.

DATE 6/14/2017

ATTEST:

By: 
Clerk of the Agency



SECOND AMENDED AND RESTATED MEMORANDUM OF UNDERSTANDING

This Second Amended and Restated Memorandum of Understanding (“MOU”) is entered into on this 4th day of June, 2020 (“Effective Date”), by and between the South Tahoe Public Utility District (“**District**”) and the El Dorado County Water Agency (“**EDCWA**”) (each a “**Party**” and collectively the “**Parties**”), at South Lake Tahoe, California, with reference to the following facts and intentions:

A. The District is a California public utility district, formed pursuant to the California Public Utility District Act (Cal. Pub Util. Code, § 15501, et seq.) and owns and operates public water and sewer systems and provides water and sewer services to residential and commercial customers situated within the City of South Lake Tahoe and portions of El Dorado County, California;

B. The EDCWA is a body politic and corporate pursuant to Water Code, Appendix Section 96-1, et. seq., and performs countywide water planning and participates in statewide water planning;

C. Together, the District and the EDCWA overlie the entirety of the Tahoe South Subbasin (designated basin number 6-005.01 in the California Department of Water Resources’ Bulletin 118) (“TVS Basin”);

D. The District and EDCWA previously entered into a Memorandum of Understanding, dated September 15, 2016 and an Amended and Restated Memorandum of Understanding, dated June 14, 2017, (collectively “Prior MOUs”) with respect to management of the TVS Basin;

E. The District and the EDCWA are committed to the sustainable management of the groundwater resources within the TVS Basin, as shown by, among other actions, their collaborative development and implementation of both the original Groundwater Management Plan for the TVS Basin, adopted in 2000, (“2000 GMP”) and the update to the 2000 GMP in 2014 (“2014 GMP”);

F. For many years, the District and the EDCWA have worked collaboratively to sustainably manage the TVS Basin in multiple other ways, including creating and participating in the Stakeholder Advisory Group (“SAG”), dividing monitoring responsibilities for the TVS Basin and sharing the resulting information, and jointly funding and implementing multiple other studies and monitoring program activities;

G. In 2014, the California Legislature adopted, and the Governor signed into law, the Sustainable Groundwater Management Act (“Act”), which authorizes local agencies overlying all or a portion of a groundwater basin to manage groundwater in a sustainable manner;

H. The District adopted Resolution No. 2986-15 electing to be the Groundwater Sustainability Agency (“GSA”) for the portion of the TVS Basin within its service area boundary on July 16, 2015, submitted its GSA Formation Notification to the Department of Water Resources (“DWR”) on August 12, 2015 (“2015 GSA Formation Notification”), and was

recognized as the exclusive GSA for this portion of the TVS Basin on November 17, 2015 (“South Tahoe Public Utility District GSA”);

I. Shortly thereafter, the District also adopted Resolution No. 3040-16 electing to be the GSA for the portion of the TVS Basin outside its service area boundary on September 15, 2016, submitted its GSA Formation Notification to DWR on September 16, 2016 (“2016 GSA Formation Notification”), and was recognized as the exclusive GSA for this portion of the TVS Basin on December 28, 2016 (“South Tahoe Public Utility District GSA-2”);

J. Subsequent discussions with the State Water Resources Control Board (“SWRCB”) raised concerns about a local agency forming a GSA outside of its service area boundaries. These concerns raised a risk that the 2016 GSA Formation Notification may have been considered invalid and that the TVS Basin could potentially be designated as “probationary” by the SWRCB and be put under the SWRCB management;

K. To mitigate this potential risk, and pursuant to discussions between the District and the EDCWA, the EDCWA adopted Resolution No. WA-11-2017 electing to be the GSA for the portion of the TVS Basin outside of the District’s service area boundary on June 14, 2017, submitted its GSA Formation Notification to the DWR on June 15, 2017 (“2017 GSA Formation Notification”), and was recognized as the exclusive GSA for this portion of the TVS Basin on September 13, 2017 (“El Dorado County Water Agency GSA”);

L. In anticipation of the EDCWA becoming the El Dorado County Water Agency GSA for the portion of the TVS Basin outside of the District’s service area boundary, the District submitted a notice of intent to withdraw as the South Tahoe Public Utility District GSA-2, which became effective upon the El Dorado County Water Agency GSA being recognized as the exclusive GSA for this area;

M. The District and the EDCWA intend to continue to cooperatively manage the TVS Basin and agree to implement the Act in the TVS Basin;

N. To this end, the District prepared and submitted to DWR, with the EDCWA’s support, both the 2014 GMP and an analysis of basin conditions as alternatives to a Groundwater Sustainability Plan (“GSP”);

O. On July 17, 2019, DWR determined that the 2014 GMP satisfied the objectives of the Act and approved it as an existing plan alternative to a GSP (“DWR Approved Alternative”); and,

P. The intent of this MOU is to formalize the District and the EDCWA’s agreement to continue to cooperatively and sustainably manage groundwater resources within the TVS Basin and to jointly implement the DWR Approved Alternative in accordance with the Act.

NOW, THEREFORE, in consideration of the above recitals, the District and the EDCWA agree as follows:

1. **Purpose.** This MOU memorializes the intent of the Parties to coordinate and cooperate in the implementation of the Act within their respective jurisdictions of the TVS Basin. This MOU is intended to encourage coordination and cooperation regarding sustainable management of the TVS Basin and to improve and maintain overall communication between the

Parties. It is anticipated that coordination and information sharing among the Parties will assist in achieving their respective goals to sustainably manage the TVS Basin.

2. Information Sharing. The District and the EDCWA are both involved in studying and developing information and data regarding water supplies in the TVS Basin and El Dorado County. The District and the EDCWA agree to share all such information and data related to the TVS Basin, particularly as it relates to monitoring information for the TVS Basin. The sharing of this information will assist both the District and the EDCWA to coordinate sustainable management of the TVS Basin and to ensure that the TVS Basin remains in compliance with the Act.

3. Implementation of the Act. The District and the EDCWA agree to implement the Act as follows:

3.1. Revise and update the DWR Approved Alternative (“Updated Alternative”) in accordance with the DWR Recommended Actions as provided in the DWR Sustainable Groundwater Management Program Alternative Assessment Staff Report of the TVS Basin, Dated July 17, 2019 and such other revisions as the District and EDCWA deem necessary or appropriate (“resubmitted Alternative”);

3.2. Adopt the Updated Alternative for implementation in their respective jurisdictional portions of the TVS Basin in accordance with Water Code section 10753, et. seq;

3.3. Adopt new or amended ordinances establishing rules and regulations to implement and enforce the Updated Alternative pursuant to Water Code section 10753.9;

3.4. Resubmit the Updated Alternative to DWR for review and approval no later than January 1, 2022; and,

3.5. Take any actions necessary or appropriate to implement the Updated Alternative, as may be revised or updated in the future, and comply with the Act.

4. Activities. The District and EDCWA agree to perform the activities required to accomplish the purpose of this MOU, and will cooperate to implement activities consistent with the Act in the TVS Basin including, but not limited to:

4.1. Preparing and maintaining a list of interested parties;

4.2. Conducting public outreach and engagement;

4.3. Conducting investigations and analyzing and sharing data;

4.4. Approving and collecting groundwater management fees, as necessary;

4.5. Pursuing financial assistance through grants or similar opportunities;

4.6. Obtaining third-party consultant services for groundwater modeling, data collection, reports, and other related tasks; and,

4.7. Any other activities necessary or appropriate to comply with the Act.

5. **Costs.** The District shall be responsible for the costs of development and implementation of the Updated Alternative, including future revisions and updates, throughout the TVS Basin, including those portions outside of the District's service area boundary. The EDCWA agrees to provide funding for activities under the Act within the EDCWA's boundary in accordance with EDCWA's Cost Share Program, when applicable, or other policies and agreements for cost participation.

6. **Term.** This MOU shall remain in full force and effect until either the District or the EDCWA terminates this MOU in writing upon 30 days prior written notice to the other Party.

7. **Mutual Indemnification and Protection.** Except as otherwise described in this MOU, each Party (the "Indemnifying Party") covenants and agrees to indemnify and hold harmless the other Party and its successors and assigns (the "Indemnified Party") for, from and against any and all third party claims, liabilities and expenses (including, but not limited to, reasonable attorneys' fees, court costs, expert witness fees and other litigation-related expenses) which may be claimed or asserted against the Indemnified Party on account of the exercise by the Indemnifying Party of the rights granted to it under this MOU; provided, however, in no event shall the Indemnifying Party be responsible to the Indemnified Party for any claims, liabilities or expenses that may be claimed or asserted against the Indemnified Party relating to the gross negligence or willful misconduct of the Indemnified Party or any of its employees, directors, officers, trustors, trustees, agents, affiliates, personal representatives, heirs, legatees, successors or assigns.

8. **Dispute Resolution.** The District and EDCWA agree to meet and confer in good faith for the purposes of resolving any dispute under this MOU prior to bringing any action for enforcement.

9. **Points of Contact.**

9.1 **District/EDCWA.** The District shall be the point of contact for DWR for both the District and EDCWA with regards to implementation of the Act within the TVS Basin. The District will provide the specific contact information to DWR. The District will share with EDCWA all information received from DWR.

9.2 **DWR.** The point of contact information for the SGMA Liaison at the DWR is Department for Water Resources, North Central Region Office, 3500 Industrial Blvd, West Sacramento, CA 95691, with regards to implementation of the Act within the TVS Basin.

10. **General Provisions.**

10.1 **Force and Effect.** This MOU shall supersede and replace the Prior MOUs, which shall be of no further force or effect with respect to the management of the TVS Basin.

10.2 **Recitals.** The recitals stated at the beginning of this MOU of any matters or facts shall be conclusive proof of the truthfulness thereof and the terms and conditions of the recitals, if any, shall be deemed a part of this MOU.

10.3 **Cooperation.** The Parties shall, whenever and as often as reasonably requested to do so by the other party, execute, acknowledge and deliver or cause to be executed, acknowledged and delivered any and all documents and instruments as may be necessary, expedient or proper in the reasonable opinion of the requesting party to carry out the

intent and purposes of this MOU, provided that the requesting Party shall bear the cost and expense of such further instruments or documents (except that each Party shall bear its own attorneys' fees).

10.4 Authority. The individuals executing this MOU represent and warrant that they have the authority to enter into this MOU and to perform all acts required by this MOU, and that the consent, approval or execution of or by any third party is not required to legally bind either Party to the terms and conditions of this MOU.

10.5 Construction. The provisions of this MOU should be liberally construed to effectuate its purposes. The language of all parts of this MOU shall be construed simply according to its plain meaning and shall not be construed for or against either Party, as each Party has participated in the drafting of this document and had the opportunity to have their counsel review it. Whenever the context and construction so requires, all words used in the singular shall be deemed to be used in the plural, all masculine shall include the feminine and neuter, and vice versa.

10.6 Successors and Assigns. This MOU shall be binding on and shall inure to the benefit of the Parties and their respective heirs, legal representatives, successors and assigns.

10.7 Severability. If any term, provision, covenant or condition of this MOU is determined to be unenforceable by a court of competent jurisdiction, it is the Parties' intent that the remaining provisions of this MOU shall remain in full force and effect and shall not be affected, impaired or invalidated by such a determination.

10.8 Counterparts. This MOU may be executed in any number of counterparts, each of which shall be an original, but all of which shall constitute one and the same instrument.

10.9 Entire Agreement and Amendment. This MOU contains the entire understanding and agreement of the Parties with respect to the matters considered, and there have been no promises, representations, agreements, warranties or undertakings by any of the Parties, either oral or written, of any character or nature binding except as stated in this MOU. This MOU may be altered, amended or modified only by an instrument in writing, executed by the Parties to this MOU and by no other means. Each Party waives their future right to claim, contest or assert that this MOU was modified, canceled, superseded or changed by any oral agreement, course of conduct, waiver or estoppel.

10.10 Waiver. No waiver of any provision of this MOU or consent to any action shall constitute a waiver of any other provision or consent to any other action, whether or not similar. No waiver or consent shall constitute a continuing waiver or consent or commit a Party to provide a waiver in the future except to the extent specifically stated in writing. Any waiver given by a Party shall be null and void if the Party requesting such waiver has not provided a full and complete disclosure of all material facts relevant to the waiver requested. No waiver shall be binding unless executed in writing by the Party making the waiver.

10.11 Notices. All notices, requests, demands, and other communications required to or permitted to be given under this MOU, shall be in writing and shall be conclusively deemed to have been duly given: (1) when hand delivered to the other Party; or (2) when received by facsimile at the address or number below, provided, however, that notices given by

facsimile shall not be effective unless a duplicate copy of such facsimile notice is promptly given by depositing the same in a United States post office with first class postage prepaid and addressed to the Parties as set forth below.

To: EDCWA

El Dorado County Water Agency
4330 Golden Center Drive, Suite C
Placerville, CA 95667
Attn: General Manager

With a copy to:

DeeAnne M. Gillick
Sloan Sakai Yeung & Wong, LLP
555 Capitol Mall, Suite 600
Sacramento, CA 95814

To: District

South Tahoe Public Utility District
1275 Meadow Crest Drive
South Lake Tahoe, California 96150
Attention: General Manager

With a copy to:

Gary M. Kvistad
Brownstein Hyatt Farber Schreck, LLP
1021 Anacapa Street, Second Floor
Santa Barbara, CA 93101

Each Party shall make an ordinary, good faith effort to ensure that it will accept or receive notices that are given in accordance with this paragraph and that any person to be given notice actually receives such notice. A Party may change or supplement the addresses given above, or designate additional addresses, for purposes of this section by giving the other Party written notice of the new address in the manner set forth above.

IN WITNESS WHEREOF, the Parties have executed this MOU as of the date first stated above.

South Tahoe Public Utility District

El Dorado County Water Agency

By: 

Randy Vogelgesang, President

By: 

Brian K. Veerkamp, Chair

ATTEST:

ATTEST:

By: 

Melonie Guttry, Clerk of the Board

By: 

Julianne van Leeuwen, Clerk of the Board



South Tahoe Public Utility District

General Manager
John Thiel

Directors
Chris Cefalu
Duane Wallace
Randy Vogelgesang
Kelly Sheehan
Nick Exline

1275 Meadow Crest Drive • South Lake Tahoe • CA 96150-7401
Phone 530 544-6474 • Fax 530 541-0614 • www.stpud.us

June 25, 2020

M. Katy Janes
California Department of Water Resources
North Central Region Office
3500 Industrial Blvd
West Sacramento, CA
95691

Re: Notice of Intent to Draft an Update to the 2014 Groundwater Management Plan, Tahoe South Subbasin (6.005-1)

Dear Ms. Janes

On May 21, 2020 the Board of the South Tahoe Public Utility District (“District”) adopted Resolution 3140-20 establishing the District’s intent to draft an update to the *Tahoe Valley South Basin (6-5.01) 2014 Groundwater Management Plan (2014 GMP)* for the portion of the Tahoe South Subbasin (6-005.1) (“TVS Basin”) within the District service area boundary. In accordance with Water Code Section 10753.2 the District published notice in the Tahoe Daily Tribune on May 8 and May 15, 2020 announcing a hearing to consider the adoption of a resolution to prepare an update to the 2014 GMP. Following the hearing, the adopted Resolution 3140-20 (attached) was published in the Tahoe Daily Tribune on May 29 and June 5, 2020.

The El Dorado County Water Agency (“Water Agency”) is the Groundwater Sustainability Agency for the portion of the TVS Basin located outside the District’s service area boundary. The Water agency will be considering adoption of a similar resolution on July 8, 2020. Afterwards, the District will provide you notice of the Water Agency adoption of the resolution.

On December 29, 2016 the District submitted the 2014 GMP along with additional plans, reports and other related documents to the Department of Water Resources (Department) for evaluation as an Alternative to a Groundwater Sustainability Plan. On July 17, 2019, the Department approved the Alternative submitted by the District for the TVS Basin. The update to the 2014 GMP is being performed to prepare the first five-year update of the approved Alternative due to the Department by January 1, 2022.

As the District's Hydrogeologist and technical lead on the 2014 Groundwater Management Plan Stakeholders Advisory Group, I will be the person in charge of drafting the update to the 2014 GMP for the entire TVS Basin.

Should you need to contact me you can reach me by email at ibergsohn@stpud.dst.ca.us or by telephone at (530) 543-6204.

Sincerely,

A handwritten signature in black ink, appearing to read 'Ivo Bergsohn', written in a cursive style.

Ivo Bergsohn, PG, HG
Hydrogeologist

Cc: K. Payne, El Dorado County Water Agency
G. Kvistad, Brown, Hyatt, Faber and Schreck
J. Thiel, P.E.

Attachment: District Resolution 3140-21 (dated May 21, 2020)

1 **WHEREAS**, in 2014, the California Legislature adopted, and the
2 Governor signed into law, the Sustainable Groundwater Management Act
3 ("Act"), which authorizes local agencies overlying all or a portion of a
4 groundwater basin to manage groundwater in a sustainable fashion;

5 **WHEREAS**, the District and the EDCWA are committed to the
6 sustainable management of the groundwater resources within the TVS
7 Basin, as shown by, among other actions, their collaborative development
8 and implementation of both the 2000 GMP and 2014 GMP;

9 **WHEREAS**, for many years, the District and the EDCWA have also
10 worked collaboratively to sustainably manage the TVS Basin in multiple
11 other ways, including creating and participating in the Stakeholder
12 Advisory Group ("SAG"), dividing monitoring responsibilities for the TVS
13 Basin and sharing the resulting information, and jointly funding and
14 implementing multiple other studies and monitoring program activities;

15 **WHEREAS**, the District adopted Resolution No. 2986-15 electing to
16 be the Groundwater Sustainability Agency ("GSA") for the portion of the
17 TVS Basin within its service area boundary on July 16, 2015, submitted its
18 GSA Formation Notification to DWR on August 12, 2015 ("2015 GSA
19 Formation Notification"), and was recognized as the exclusive GSA for this
20 portion of the TVS Basin on November 17, 2015 ("South Tahoe Public Utility
21 District GSA");

22 **WHEREAS**, shortly thereafter, the District also adopted Resolution
23 No. 3040-16 electing to be the GSA for the portion of the TVS Basin outside
24 its service area boundary on September 15, 2016, submitted its GSA
25 Formation Notification to DWR on September 16, 2016 ("2016 GSA
26 Formation Notification"), and was recognized as the exclusive GSA for this
27 portion of the TVS Basin on December 28, 2016 ("South Tahoe Public Utility
28 District GSA-2");

29 **WHEREAS**, subsequent discussions with the State Water Resources
30 Control Board ("SWRCB") raised concerns about a local agency forming

1 a GSA outside of its service area boundary. These concerns raised a risk
2 that the 2016 GSA Formation Notification may have been considered
3 invalid and that the TVS Basin could potentially be designated as
4 "probationary" by the SWRCB and be put under the SWRCB
5 management;

6 **WHEREAS**, to mitigate this potential risk, and pursuant to discussions
7 between the District and the EDCWA, the EDCWA adopted Resolution No.
8 WA-11-2017 electing to be the GSA for the portion of the TVS Basin outside
9 of the District's service area boundary on June 14, 2017, submitted its GSA
10 Formation Notification to the DWR on June 15, 2017 ("2017 GSA Formation
11 Notification"), and was recognized as the exclusive GSA for this portion of
12 the TVS Basin on September 13, 2017 ("El Dorado County Water Agency
13 GSA");

14 **WHEREAS**, in anticipation of the EDCWA becoming the El Dorado
15 County Water Agency GSA for the portion of the TVS Basin outside of the
16 District's service area boundary, the District submitted a notice of intent to
17 withdraw as the South Tahoe Public Utility District GSA-2, which became
18 effective upon the El Dorado County Water Agency GSA being
19 recognized as the exclusive GSA for this area;

20 **WHEREAS**, the District and the EDCWA intend to continue to
21 cooperatively manage the TVS Basin and have agreed to implement the
22 Act in the TVS Basin;

23 **WHEREAS**, to this end, the District prepared and submitted to DWR,
24 with the EDCWA's support, both the 2014 GMP and an analysis of basin
25 conditions as alternatives to a Groundwater Sustainability Plan ("GSP");

26 **WHEREAS**, on July 17, 2019, DWR determined that the 2014 GMP
27 satisfied the objectives of the Act and approved it as an existing plan
28 alternative to a GSP ("DWR Approved Alternative"); and,

29 **WHEREAS**, the District and the EDCWA desire to continue to
30 cooperatively and sustainably manage groundwater resources within the

1 TVS Basin and to coordinate implementation of the DWR Approved
2 Alternative in accordance with the Act.

3 **WHEREAS**, the EDCWA will be considering whether to adopt a
4 resolution of intention to draft an updated 2014 GMP for the El Dorado
5 County Water Agency GSA;

6 **WHEREAS**, on May 8, 2020 and May 15, 2020, in accordance with
7 Water Code § 10753.2(a), the District published a notice of public hearing
8 on whether to adopt a resolution of intention to draft an updated 2014
9 GMP for the South Tahoe Public Utility District GSA;

10 **WHEREAS**, on May 21, 2020, the District held a public hearing to
11 consider whether to adopt a resolution of intention to draft an updated
12 2014 GMP for the South Tahoe Public Utility District GSA;

13 **WHEREAS**, the District believes the District and the EDCWA should
14 continue to cooperatively and sustainably manage groundwater
15 resources within the TVS Basin and coordinate implementation of the DWR
16 Approved Alternative in accordance with the Act.

17
18 **NOW, THEREFORE, BE IT RESOLVED AS FOLLOWS:**

19 **1.** The Board of Directors of the District deems it advisable and in
20 the best interest of the District to draft an update to the 2014 GMP for the
21 South Tahoe Public Utility District GSA pursuant to Water Code section
22 10750 et seq.;

23 **2.** The District is authorized to draft an update to the 2014 GMP
24 for the South Tahoe Public Utility District GSA consistent with the DWR
25 Approved Alternative;

26 **3.** The District is authorized and directed to publish this Resolution
27 of intention to draft an update to the 2014 GMP for the South Tahoe
28 Public Utility District GSA pursuant to Water Code section 10753.3;

29 **4.** The General Manager is directed to take any additional
30 action necessary and appropriate to implement this Resolution.

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5. This Resolution shall take effect immediately.

WE, THE UNDERSIGNED, do hereby certify that the above and foregoing Resolution was duly and regularly adopted and passed by the Board of Directors of the South Tahoe Public Utility District at a meeting duly held on the 21st day of May, 2020, by the following vote:

AYES: CEFALU, VOGELGESANG, SHEEHAN, EXLINE

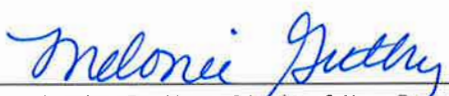
NOES: NONE

ABSENT: NONE



Randy Vogelgesang, Board President
South Tahoe Public Utility District

ATTEST:



Melonie Guttry, Clerk of the Board
South Tahoe Public Utility District



RESOLUTION NO. WA-6-2020

OF THE BOARD OF DIRECTORS OF THE
EL DORADO COUNTY WATER AGENCY
OF THE INTENTION TO DRAFT AN UPDATED
GROUNDWATER MANAGEMENT PLAN PURSUANT TO THE
GROUNDWATER MANAGEMENT ACT

WHEREAS, California Water Code section 10753 authorizes a local agency to adopt a groundwater management plan pursuant to California Water Code sections 10750 et seq., for basins or portions of basins within the jurisdiction of the agency that are not already subject to a Groundwater Management Plan;

WHEREAS, the Tahoe Valley South Subbasin was designated by the Department of Water Resources ("DWR") as basin number 6-005.01 ("TVS Basin");

WHEREAS, the El Dorado County Water Agency ("EDCWA") boundary overlies the entire TVS Basin;

WHEREAS, the South Tahoe Public Utility District ("District") boundary overlies the majority of the TVS Basin;

WHEREAS, the District adopted Resolution No. 2986-15 electing to be the Groundwater Sustainability Agency ("GSA") for the portion of the TVS Basin within its service area boundary on July 16, 2015, submitted its GSA Formation Notification to DWR on August 12, 2015 ("2015 GSA Formation Notification"), and was recognized as the exclusive GSA for the portion of the TVS Basin located with the District's service area boundary on November 17, 2015 ("South Tahoe Public Utility District GSA");;

WHEREAS, EDCWA adopted Resolution No. WA-11-2017 electing to be the GSA for the portion of the TVS Basin outside of the District's service area boundary on June 14, 2017, submitted its GSA Formation Notification to the DWR on June 15, 2017 ("2017 GSA Formation Notification"), and was recognized as the exclusive GSA for this portion of the TVS Basin on September 13, 2017 ("El Dorado County Water Agency GSA");

WHEREAS, the District prepared and submitted to DWR, with the EDCWA's support, both the 2014 GMP and an analysis of basin conditions as alternatives to a Groundwater Sustainability Plan ("GSP");

WHEREAS, on July 17, 2019, DWR determined that the 2014 GMP satisfied the objectives of the Act and approved it as an existing plan alternative to a GSP ("DWR Approved Alternative"); and,

WHEREAS, the District and the EDCWA desire to continue to cooperatively and sustainably manage groundwater resources within the TVS Basin and to coordinate implementation of the DWR Approved Alternative in accordance with the Act.

WHEREAS, on May 21, 2020, the District adopted a resolution of intention to draft an updated 2014 GMP for the South Tahoe Public utility District GSA;

WHEREAS, on June 22, 2020 and June 29, 2020, in accordance with Water Code § 10753.2(a), the EDCWA published a notice of public hearing on whether to adopt a resolution of intention to draft an updated 2014 GMP for the El Dorado County Water Agency GSA;

WHEREAS, on July 8, 2020, the EDCWA held a public hearing to consider whether to adopt a resolution of intention to draft an updated 2014 GMP for the El Dorado County Water Agency GSA;

WHEREAS, the EDCWA believes the District and the EDCWA should continue to cooperatively and sustainably manage groundwater resources within the TVS Basin and coordinate implementation of the DWR Approved Alternative in accordance with the Act.

NOW, THEREFORE, BE IT RESOLVED AS FOLLOWS:

1. The Board of Directors of the EDCWA deems it advisable and in the best interest of the EDCWA to draft an update to the 2014 GMP for the El Dorado County Water Agency GSA pursuant to Water Code section 10750 et seq.;
2. The EDCWA is authorized to draft an update to the 2014 GMP for El Dorado County Water Agency GSA consistent with the DWR Approved Alternative;
3. The EDCWA is authorized and directed to publish this Resolution of intention to draft an update to the 2014 GMP for the El Dorado County Water Agency GSA pursuant to Water Code section 10753.3;
4. The General Manager is directed to take any additional action necessary and appropriate to implement this Resolution.
5. This Resolution shall take effect immediately.

WE, THE UNDERSIGNED, do hereby certify that the above and foregoing Resolution was duly and regularly adopted and passed by the Board of Directors of the El Dorado County Water Agency at a meeting duly held on the 8th day of July, 2020, by the following vote:

Ayes: Frentzen, Wadle, Veerkamp

Noes:

Abstain:

Absent: Parlin, Sheehan

ATTEST:

By *Laura Scovort* Deputy Clerk
Clerk of the Agency

By *Brian K Veerkamp*
Chair, Board of Directors



**NOTICE OF INTENT TO ADOPT FIVE-YEAR UPDATE TO THE
ALTERNATIVE PLAN FOR THE TAHOE VALLEY SOUTH SUBBASIN**

October 1, 2021

VIA U.S. MAIL AND E-MAIL – JIRVIN@CITYOFSLT.US; KIM.DAWSON@EDCGOV.US

Joe Irvin
City Manager
City of South Lake Tahoe
1901 Lisa Maloff Way
South Lake Tahoe, CA 96150

Kim Dawson
Clerk of the Board of Supervisors
El Dorado County
330 Fair Lane
Placerville, CA 95667

RE: 90-Day Notice to Cities and Counties Pursuant to Water Code Section 10728.4

Dear Mr. Irvin and Ms. Dawson,

The South Tahoe Public Utility District (District) and El Dorado County Water Agency (Water Agency), as the Groundwater Sustainability Agencies for the Tahoe Valley South Subbasin (Department of Water Resources (DWR) Basin No. 6-005.01) (TVS Subbasin) and as required by the Sustainable Groundwater Management Act (SGMA), are preparing a five-year update to the TVS Subbasin Alternative (Alternative Plan). The District and the Water Agency are providing you this notice in compliance with Water Code Section 10728.4.

Water Code Section 10728.4. reads in part:

A groundwater sustainability agency may adopt or amend a groundwater sustainability plan after a public hearing, held at least 90 days after providing notice to a city or county within the area of the proposed plan or amendment. The groundwater sustainability agency shall review and consider comments from any city or county that receives notice pursuant to this section and shall consult with a city or county that requests consultation within 30 days of receipt of the notice.

PLEASE TAKE NOTICE that the District and Water Agency will hold public hearing no sooner than 90 days from the date of this notice to consider adopting the Alternative Plan.

Pursuant to SGMA, once the draft Alternative Plan is publicly released, representatives of the District and Water Agency will be available to provide consultation with and receive comments

*South Tahoe Public Utility District
1275 Meadow Crest Drive, South Lake Tahoe, CA 96150
(530) 544-6474*



**NOTICE OF INTENT TO ADOPT FIVE-YEAR UPDATE TO THE
ALTERNATIVE PLAN FOR THE TAHOE VALLEY SOUTH SUBBASIN**

on the Alternative Plan from your organization. The District and Water Agency also invite agency participation prior to release of the draft Alternative Plan.

The draft Alternative Plan may be reviewed at the District and Water Agency websites upon release (<https://stpud.us/> and <https://www.edwateragency.org/>). Consultations may be arranged, or questions answered, by contacting Ivo Bergsohn, Plan Manager at ibergsohn@stpud.dst.ca.us or by phone at (530) 543-6204.

A handwritten signature in black ink that reads "Ken Payne".

Ken Payne, General Manager
El Dorado County Water Agency

A handwritten signature in black ink that reads "Ivo Bergsohn".

Ivo Bergsohn, Plan Manager
South Tahoe Public Utility District



RESOLUTION NO. WA-7-2022

**of the Board of Directors of the
EL DORADO COUNTY WATER AGENCY**

A Resolution of the Board of Directors of the El Dorado County Water Agency to Adopt the Alternative Plan and the Alternative Plan Five-Year Update Pursuant to the Sustainable Groundwater Management Act

WHEREAS, California Water Code section 10750 contains a legislative finding and declaration that groundwater is a valuable natural resource that should be managed to insure its safe production and quality, and that local agencies should work cooperatively to manage groundwater resources within their jurisdiction;

WHEREAS, California Water Code section 10753 authorizes a local agency to adopt a groundwater management plan pursuant to California Water Code sections 10750 et seq., for basins or portions of basins within the jurisdiction of the agency that are not already subject to a groundwater management plan;

WHEREAS, the Tahoe Valley South Subbasin was designated by the Department of Water Resources ("DWR") as basin number 6-005.01 ("TVS Subbasin");

WHEREAS, the South Tahoe Public Utility District (District) boundary overlies the majority of the TVS Subbasin;

WHEREAS, the El Dorado County Water Agency ("Agency") boundary overlies the entire TVS Subbasin;

WHEREAS, in 2014, the California Legislature adopted, and the Governor signed into law, the Sustainable Groundwater Management Act ("SGMA"), which authorizes local agencies overlying all or a portion of a groundwater basin to manage groundwater in a sustainable fashion;

WHEREAS, the Agency and the District are committed to the sustainable management of the groundwater resources within the TVS Subbasin, as shown by, among other actions, their collaborative development and implementation of both the 2000 GMP and 2014 GMP;

WHEREAS, for many years, the Agency and the District have also worked collaboratively to sustainably manage the TVS Subbasin in multiple other ways, including creating and participating in the Stakeholder Advisory Group ("SAG"), and jointly funding and implementing multiple other studies and monitoring program activities;

WHEREAS, on July 16, 2015, the District adopted Resolution No. 2986-15 electing to be the Groundwater Sustainability Agency ("GSA") for the portion of the TVS Subbasin within its

service area boundary, submitted its GSA Formation Notification to DWR on August 12, 2015 ("2015 GSA Formation Notification"), and was recognized by DWR as the exclusive GSA for this portion of the TVS Subbasin on November 17, 2015 ("South Tahoe Public Utility District GSA");

WHEREAS, on June 14, 2017 the Agency adopted Resolution No. WA-11-2017 electing to be the GSA for the portion of the TVS Subbasin outside of the District's service area boundary, submitted its GSA Formation Notification to the DWR on June 15, 2017 ("2017 GSA Formation Notification"), and was recognized by DWR as the exclusive GSA for this portion of the TVS Subbasin on September 13, 2017 ("El Dorado County Water Agency GSA");

WHEREAS, On June 14, 2017, the District and the Agency entered into an amended and restated memorandum of understanding ("MOU") to work collaboratively as separate GSAs to sustainably manage groundwater resources and implement SGMA throughout the entire TVS Subbasin;

WHEREAS, to this end, the District prepared and submitted to DWR, with the Agency's support, both the 2014 GMP and an analysis of basin conditions as alternatives to a Groundwater Sustainability Plan ("GSP");

WHEREAS, on July 17, 2019, DWR determined that the 2014 GMP satisfied the objectives of SGMA and approved it as an existing plan alternative to a GSP for the TVS Subbasin ("Alternative Plan"); and,

WHEREAS, the District and the Agency desire to continue to cooperatively and sustainably manage groundwater resources within the TVS Subbasin and to coordinate implementation of the Alternative Plan in accordance with the MOU and SGMA.

WHEREAS, on May 8, 2020 and May 15, 2020, in accordance with Water Code § 10753.2(a), the District published a notice of public hearing on whether to adopt a resolution of intention to draft the first five year update of the Alternative Plan ("First Five-Year Update of the Alternative Plan") for the District GSA;

WHEREAS, on May 21, 2020, the District held a noticed public hearing and adopted Resolution 3140-20 approving the District's intention to draft the First Five-Year Update of the Alternative Plan for the South Tahoe Public Utility District GSA;

WHEREAS, on June 22, 2020, and June 29, 2020, in accordance with Water Code § 10753.2(a), the Agency published a notice of public hearing on whether to adopt a resolution of intention to draft the first five-year update of the Alternative Plan for the AGENCY GSA;

WHEREAS, on July 8, 2020, the Agency held a noticed public hearing and adopted Resolution WA-6-2020 approving the Agency's intention to draft the First Five-Year Update of the Alternative Plan for the Agency GSA;

WHEREAS, the Agency and the District have continued to cooperatively and sustainably manage groundwater resources within the TVS Subbasin and coordinate development of the First Five-Year Update to the Alternative Plan in accordance SGMA.

WHEREAS, pursuant to Water Code Section 10728.4, on October 1, 2021, the District and the Agency provided 90-day notice to the City of South Lake Tahoe and El Dorado County of its preparation of the First Five-Year Update of the Alternative Plan;

WHEREAS, in accordance with Water Code § 10753.2(a), on March 23, 2022 and March 30, 2022, the Agency published a notice of public hearing on whether to adopt a resolution to adopt the First Five-Year Update of the Alternative Plan for the Agency GSA;

WHEREAS, The Agency Board of Directors considered the Alternative Plan during a noticed public hearing held on April 13, 2022 and has statutory authority to adopt the First Five-Year Update of the Alternative Plan pursuant to California Public Utility Code and SGMA.

NOW, THEREFORE, BE IT RESOLVED AS FOLLOWS:

1. The Board of Directors of the District deems it advisable and in the best interest of the Agency to adopt the First Five-Year Update of the Alternative Plan the TV5 Subbasin;
2. The General Manager, or his designee, is directed to submit the First Five-Year Update of the Alternative Plan to DWR for review and assessment;
3. The General Manager, or his designee, is directed to take any additional action necessary and appropriate regarding submission of the First Five-Year Update of the Alternative Plan.
4. This Resolution shall take effect immediately.

PASSED AND ADOPTED BY THE Board of Directors of the El Dorado County Water Agency at a regular meeting of said Board, held on April 13, 2022, by the following vote of said Board:

Ayes: Peterson, Turnboo, Seaman, Parlin

Noes:

Abstain:

Absent: Thomas

ATTEST:

By Jane Scovcroft,
Clerk of the Agency Deputy
Clerk

By Roni Parlin
Chair, Board of Directors

I CERTIFY THAT:

THE FOREGOING INSTRUMENT IS A CORRECT COPY OF THE ORIGINAL ON FILE IN THIS OFFICE.

DATE 4/15/22

ATTEST:

By Jani Scowcroft, Deputy Clerk
Clerk of the Agency

1 **WHEREAS**, in 2014, the California Legislature adopted, and the
2 Governor signed into law, the Sustainable Groundwater Management Act
3 ("SGMA"), which authorizes local agencies overlying all or a portion of a
4 groundwater basin to manage groundwater in a sustainable fashion;

5 **WHEREAS**, the District and the EDCWA are committed to the sustainable
6 management of the groundwater resources within the TVS Subbasin, as shown
7 by, among other actions, their collaborative development and
8 implementation of both the 2000 GMP and 2014 GMP;

9 **WHEREAS**, for many years, the District and the EDCWA have also
10 worked collaboratively to sustainably manage the TVS Subbasin in multiple
11 other ways, including creating and participating in the Stakeholder Advisory
12 Group ("SAG"), and jointly funding and implementing multiple other studies
13 and monitoring program activities;

14 **WHEREAS**, on July 16, 2015, the District adopted Resolution No. 2986-15
15 electing to be the Groundwater Sustainability Agency ("GSA") for the portion
16 of the TVS Subbasin within its service area boundary, submitted its GSA
17 Formation Notification to DWR on August 12, 2015 ("2015 GSA Formation
18 Notification"), and was recognized by DWR as the exclusive GSA for this
19 portion of the TVS Subbasin on November 17, 2015 ("South Tahoe Public Utility
20 District GSA");

21 **WHEREAS**, on September 15, 2016, the District adopted Resolution No.
22 3040-16 electing to be the GSA for the portion of the TVS Subbasin outside its
23 service area boundary, submitted its GSA Formation Notification to DWR on
24 September 16, 2016 ("2016 GSA Formation Notification"), and was recognized
25 as the exclusive GSA for this portion of the TVS Subbasin on December 28, 2016
26 ("South Tahoe Public Utility District GSA-2");

27 **WHEREAS**, subsequent discussions with the State Water Resources
28 Control Board ("SWRCB") raised concerns about a local agency forming a
29 GSA outside of its service area boundary. These concerns raised a risk that the
30 2016 GSA Formation Notification may have been considered invalid and that

1 the TVS Subbasin could potentially be designated as "probationary" by the
2 SWRCB and be put under SWRCB management, a process referred to as state
3 intervention;

4 **WHEREAS**, in anticipation of the EDCWA becoming the El Dorado
5 County Water Agency GSA for the portion of the TVS Subbasin outside of the
6 District's service area boundary, the District submitted a notice of intent to
7 withdraw as the South Tahoe Public Utility District GSA-2, which became
8 effective upon the El Dorado County Water Agency GSA being recognized as
9 the exclusive GSA for this area;

10 **WHEREAS**, on June 14, 2017 to mitigate this potential risk, and pursuant
11 to discussions between the District and the EDCWA, the EDCWA adopted
12 Resolution No. WA-11-2017 electing to be the GSA for the portion of the TVS
13 Subbasin outside of the District's service area boundary, submitted its GSA
14 Formation Notification to the DWR on June 15, 2017 ("2017 GSA Formation
15 Notification"), and was recognized by DWR as the exclusive GSA for this
16 portion of the TVS Subbasin on September 13, 2017 ("El Dorado County Water
17 Agency GSA");

18 **WHEREAS**, On June 14, 2017, the District and EDWA entered into an
19 amended and restated memorandum of understanding ("MOU") to work
20 collaboratively as separate GSAs to sustainably manage groundwater
21 resources and implement SGMA throughout the entire TVS Subbasin;

22 **WHEREAS**, to this end, the District prepared and submitted to DWR, with
23 the EDCWA's support, both the 2014 GMP and an analysis of basin conditions
24 as alternatives to a Groundwater Sustainability Plan ("GSP");

25 **WHEREAS**, on July 17, 2019, DWR determined that the 2014 GMP
26 satisfied the objectives of SGMA and approved it as an existing plan
27 alternative to a GSP for the TVS Subbasin ("Alternative Plan "); and,

28 **WHEREAS**, the District and the EDCWA desire to continue to
29 cooperatively and sustainably manage groundwater resources within the TVS
30

1 Subbasin and to coordinate implementation of the Alternative Plan in
2 accordance with the MOU and SGMA.

3 **WHEREAS**, on May 8, 2020, and May 15, 2020, in accordance with
4 Water Code § 10753.2(a), the District published a notice of public hearing on
5 whether to adopt a resolution of intention to draft the first five-year update to
6 the Alternative Plan ("First Five-Year Update to the Alternative Plan") for the
7 District GSA;

8 **WHEREAS**, on May 21, 2020, the District held a noticed public hearing
9 and adopted Resolution 3140-20 approving the District's intention to draft the
10 First Five-Year Update to the Alternative Plan for the South Tahoe Public Utility
11 District GSA;

12 **WHEREAS**, on June 22, 2020, and June 29, 2020, in accordance with
13 Water Code § 10753.2(a), the EDCWA published a notice of public hearing on
14 whether to adopt a resolution of intention to draft the first five-year update to
15 the Alternative Plan for the EDCWA GSA;

16 **WHEREAS**, on July 8, 2020, the EDCWA held a noticed public hearing
17 and adopted Resolution WA-6-2020 approving the EDCWA's intention to draft
18 the First Five-Year Update to the Alternative Plan for the EDCWA GSA;

19 **WHEREAS**, the District believes the District and the EDCWA should
20 continue to cooperatively and sustainably manage groundwater resources
21 within the TVS Subbasin and coordinate implementation in accordance with
22 the MOU and SGMA.

23 **WHEREAS**, pursuant to Water Code Section 10728.4, on October 1, 2021,
24 the District provided 90-day notice to the City of South Lake Tahoe and El
25 Dorado County of its preparation of the First Five-Year Update to the
26 Alternative Plan;

27 **WHEREAS**, in accordance with Water Code § 10753.2(a), on April 8,
28 2022, and April 15, 2022, the District published a notice of public hearing on
29 whether to adopt a resolution to adopt the First Five-Year Update to the
30 Alternative Plan for the District GSA; and,

1 **WHEREAS**, The District's Board of Directors considered the Alternative
2 Plan during a noticed public hearing held on April 21, 2022, and has statutory
3 authority to adopt the First Five-Year Update to the Alternative Plan pursuant
4 to California Public Utility Code and SGMA.

5 **NOW, THEREFORE, BE IT RESOLVED AS FOLLOWS:**

6 1. The Board of Directors of the District adopts the First Five-Year
7 Update to the Alternative Plan for the portion of the TVS Subbasin located
8 within the District's jurisdiction.

9 2. The General Manager, or his designee, is directed to submit the
10 First Five-Year Update to the Alternative Plan, as may be modified with non-
11 substantive revisions, to DWR for review and assessment.

12 3. The General Manager, or his designee, is directed to take any
13 additional action necessary and appropriate regarding submission of the First
14 Five-Year Update to the Alternative Plan.

15 4. That the adoption of the first five-year update to the Alternative
16 Plan is statutorily exempt from the California Environmental Quality Act
17 ("CEQA") pursuant to Water Code 10728.6.


18 5. This Resolution shall take effect immediately.

19 **WE, THE UNDERSIGNED**, do hereby certify that the above and foregoing
20 Resolution was duly and regularly adopted and passed by the Board of
21 Directors of the South Tahoe Public Utility District at a meeting duly held on the
22 21st day of April, 2022, by the following vote:

- 23 AYES: Romsos, Sheehan, Exline
24 NOES: None
25 ABSENT: Cefalu, Peterson



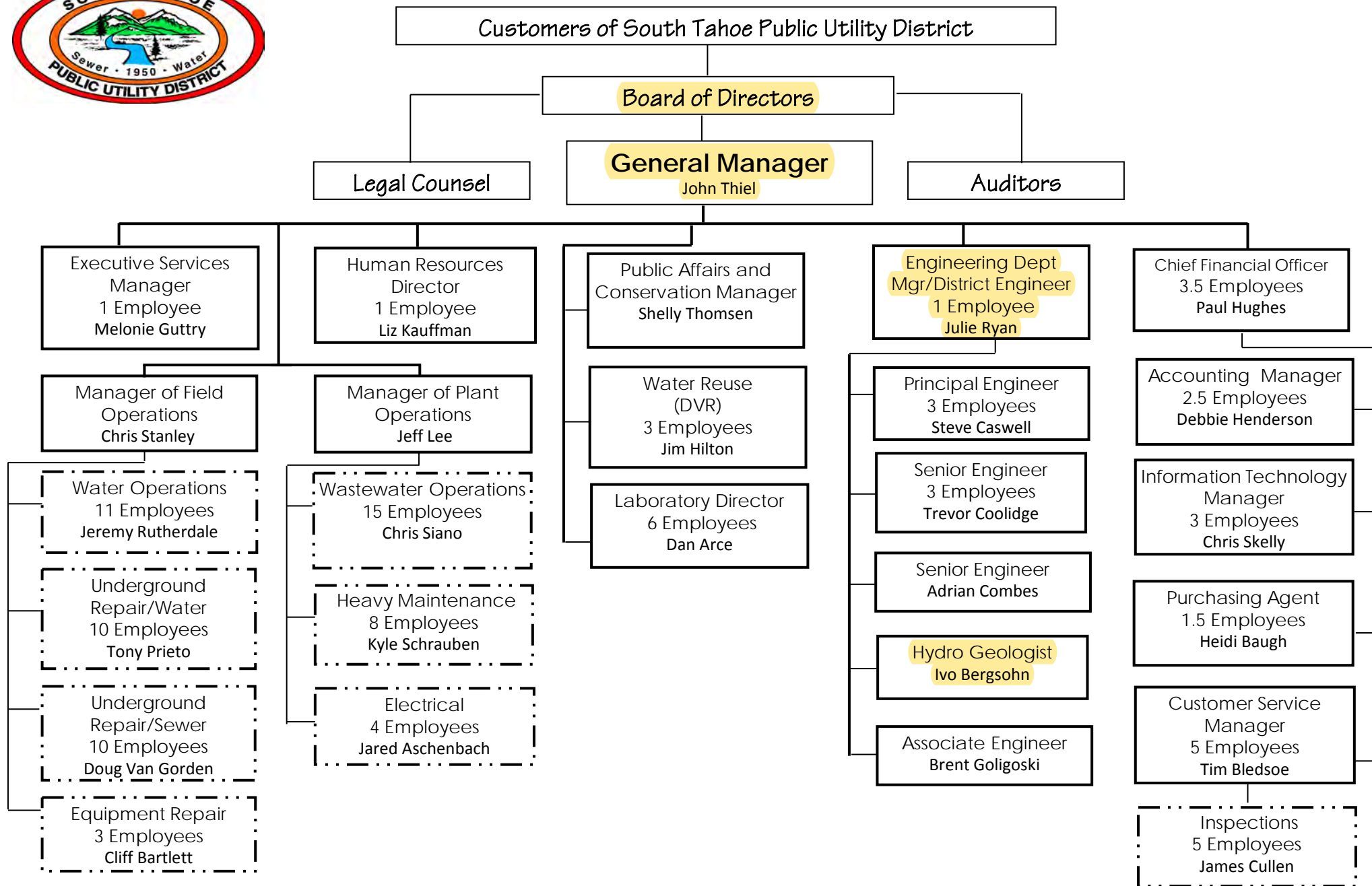
Kelly Sheehan, Board President
South Tahoe Public Utility District

26
27
28 ATTEST: 
29 Melonie Guttry, Clerk of the Board
30 South Tahoe Public Utility District

APPENDIX B

District Organization Chart

South Tahoe Public Utility District



Legend

Dept-direct report to Mgr
 Managers
 Employee = Union Staff

APPENDIX C

Alternative Plan Functional Equivalency Analysis

South Tahoe Public Utility District
TVS Subbasin (6-005.01) Functional Equivalency Checklist
Appendix C - First Five-Year Update of the Alternative Plan

GSP Regulation ¹	GSP Requirement	Alternative Plan Functional Equivalent ²
Alternative Plan Requirements		
§ 354.4(a)	Executive Summary. Executive summary written in plain language that (1) provides overview of GSP and (2) description of groundwater conditions in basin.	Executive Summary
§ 354.4(b)	References and Technical Studies. List of references and technical studies relied upon in developing GSP. ³	Ref-i
§ 354.6	Copy of NOI. Copy of NOI submitted to DWR (including any applicable updates).	Appendix A
§ 354.6(a)	Agency Contact Information. Name and mailing address of submitting agency.	Page following ES but before ToC
§ 354.6(b)	Organization and Management Structure. Organization and management structure of agency, including identifying individuals with management authority for implementation of GSP.	Appendix B
§ 354.6(c)	Contact Information for GSP Manager. Name and contact information for GSP manager (including phone number, mailing address, and email address)	§ 1.1.3
§ 354.6(d)	Legal Authority. Copy of legal authority demonstrating that agency has legal authority to implement GSP (with specific citations to the provisions setting forth agency’s duties, powers, and responsibilities)	§ 1.1.1; Appendix A
§ 354.6(e)	Estimated Cost of GSP Implementation. Estimate of cost of implementing GSP and general description of how agency plans to meet costs.	§§ 10; 10.2
§ 354.8	Description of Plan Area. Description of geographic areas covered by GSP.	§§ 1.1.1, 2.1, Fig. 1-2
§ 354.8(a)	GSP Area Maps. Map(s) that depict the following (as applicable): <ul style="list-style-type: none"> • Area covered by GSP (delineating areas exclusively managed by agency, areas under shared management, name/location of adjacent basins) • Adjudicated areas, other agencies within basin, and areas covered by Alternative 	Figs. 1-1, 1-2, 2-1, 2-11, 3-1, 3-2, 3-3, 3-4, 3-5, 3-6, 3-7, 3-9

¹ Unless otherwise specified, all references in this column are to Subchapter 2 of Chapter 1.5 of Division 2 of Title 23 of the California Code of Regulations.

² Unless otherwise specified, all references in this column are to the Tahoe Valley South Basin (6-5.01) Alternative Plan (“Alternative Plan”). As used in this column, “2021 Annual Report” refers to the South Tahoe Public Utility District Tahoe Valley South Subbasin (6-5.01) Annual Report for 2021 Water Year, prepared pursuant to Section 10.2 of the Alternative Plan.

³ Agency required to provide electronic copies of cited references not generally available to public.

South Tahoe Public Utility District
 TVS Subbasin (6-005.01) Functional Equivalency Checklist
 Appendix C - First Five-Year Update of the Alternative Plan

GSP Regulation ¹	GSP Requirement	Alternative Plan Functional Equivalent ²
	<ul style="list-style-type: none"> • Jurisdictional boundaries of federal/state land (and identification of agency with jurisdiction), tribal land, cities, counties, agencies with water management responsibilities, and areas covered by relevant general plans • Existing land use designations and identification of water use sector/water source type • Density of wells/mi.² showing general distribution of agricultural, industrial, and domestic water supply wells (including de minimis extractors) and location/extent of communities dependent of groundwater, utilizing data provided by the Department, as specified in Section 353.2, or the best available information. 	
§ 354.8(b)	Plan Area Description. Written description of GSP area (including summary of jurisdictional areas and other features depicted on maps).	§§ 1, 2, 3
§ 354.8(c)	Existing Water Resource Monitoring/Management Programs. Identification of existing water resource monitoring/management programs and description of those programs agency plans to incorporate into GSP.	§§ 4, 8, 9, Appendix M
§ 354.8(d)	Analysis of Limits Imposed by Existing Water Resource Monitoring/Management Programs. Description of how existing water resource monitoring/management programs may limit operational flexibility and how GSP developed to adapt to these limits.	§ 4.5
§ 354.8(e)	Conjunctive Use Programs.	N/A
§ 354.8(f)	Description of Land Use/General Plans. Plain language description of land use elements of applicable general plans including: <ul style="list-style-type: none"> • Summary of general plans/other land use plans overlying basin • Description of how existing land use plans may affect water demands and/or ability to achieve sustainable groundwater management over planning and implementation horizon and how GSP addresses potential effects • Description of how GSP implementation may affect water supply assumptions in land use plans over planning and implementation horizon • Summary of process for permitting new/replacement wells (i.e., adopted standards in local well ordinances, zoning codes, land use plan policies, etc.) • Effect of land use plans outside basin on ability to achieve sustainable groundwater management within Basin (to extent known) 	§§ 3.2, 4.3, 4.4
§ 354.8(g)	Saline Water Intrusion. Discussion of control of saline water intrusion. (Wat. Code § 10727.4(a).)	§ 8.2.1
	Wellhead Protection/Recharge Areas. Discussion of Wellhead protection and recharge areas within basin. (Wat. Code § 10727.4(b).)	§ 6.4

South Tahoe Public Utility District
TVS Subbasin (6-005.01) Functional Equivalency Checklist
Appendix C - First Five-Year Update of the Alternative Plan

GSP Regulation ¹	GSP Requirement	Alternative Plan Functional Equivalent ²
	Contaminated Groundwater. Discussion of migration of contaminated groundwater. (Wat. Code § 10727.4(c).)	§ 6.3.1
	Well Abandonment/Destruction. Discussion of well abandonment and destruction program. (Wat. Code § 10727.4(d).)	§ 4
	Groundwater Recharge. Discussion of replenishment of groundwater extractions. (Wat. Code § 10727.4(e).)	§ 5.4.1; Figs. 5-15, 5-16, 5-17
	Conjunctive Use. Discussion of activities implementing, opportunities for, and removing impediments to, conjunctive use or underground storage. (Wat. Code § 10727.4(f).)	N/A
	Well Construction Policies. Discussion of well construction policies. (Wat. Code § 10727.4(g).)	§ 4
	Additional Measures. Discussion of measures addressing groundwater contamination cleanup, groundwater recharge, in-lieu use, diversions to storage, conservation, water recycling, conveyance, and extraction projects. (Wat. Code § 10727.4(h).)	§§ 3.5, 4.4.1, 4.5, 5.4.1, 5.4.8, 6, 7, 10
	Water Efficiency. Discussion of efficient water management practices for delivery of water/water conservation methods to improve efficiency. (Wat. Code § 10727.4(i).)	§§ 4.4.1, 5.4.1, 5.4.8
	Inter-Agency Relationships. Discussion of agency efforts to develop relationships with state/federal regulatory agencies. (Wat. Code § 10727.4(j).)	§§ 4; 7
	Land Use Plan Review. Development of processes to review land use plans and efforts to coordinate with land use planning agencies to assess activities that potentially create risks to groundwater quality/quantity. (Wat. Code § 10727.4(k).)	§§ 4.3, 4.4
	Dependent Ecosystems. Discuss impacts on groundwater dependent ecosystems. (Wat. Code § 10727.4(l).)	§§ 2.6.3, 8.3
§ 354.10	Summary of Information re Notice and Communication. Summary of information relating to notification and communication with other agencies and interested parties.	§ 7
§ 354.10(a)	Beneficial Uses/Users. Description of beneficial uses/users in basin, including following: <ul style="list-style-type: none"> • Land uses/property interests affected by groundwater use • Types of Parties representing those interests • Nature of consultation with those interests 	§§ 3.3; 7.1
§ 354.10(b)	Public Meetings. List of all public meetings at which GSP discussed or considered by agency.	§ 7.4
§ 354.10(c)	Comments. Copy of comments regarding the GSP received by agency and summary of any responses made.	Appendix N
§ 354.10(d)	Communication Section. Communication section in GSP, which includes following elements:	§ 7

South Tahoe Public Utility District
TVS Subbasin (6-005.01) Functional Equivalency Checklist
Appendix C - First Five-Year Update of the Alternative Plan

GSP Regulation ¹	GSP Requirement	Alternative Plan Functional Equivalent ²
	<ul style="list-style-type: none"> Explanation of agency’s decision-making process Identification of opportunities for public engagement and discussion of how public input used Description of how agency encourages active involvement of diverse social/cultural/economic interests within basin Discussion of agency’s method to inform public about status of GSP implementation 	
§ 354.14(a)	Hydrogeologic Conceptual Model. Hydrogeologic conceptual model based on technical studies and qualified maps that characterize physical components and interaction of surface water/groundwater systems within basin.	§§ 2, 2.6.3, 5.2, 5.3, 5.4.1, 5.4.3; Figs. 2-7, 2-8, 2-9; Appendix G
§ 354.14(b)	Description of Hydrogeologic Conceptual model. Written description summarizing hydrogeologic conceptual model.	-
§ 354.14(b)(1)	Geologic Setting. Written description of hydrogeologic conceptual model to include discussion of regional geologic/structural basin setting (including immediate surrounding area)	§§ 2.3, 2.4; Figs. 2-7 – 2-9
§ 354.14(b)(2)	Basin Boundaries. Written description of hydrogeologic conceptual model to identify lateral basin boundaries (including major geologic features that significantly affect groundwater flow).	§§ 2.1, 2.4, 5.2.2, 5.2.3; Figs. 2-1 – 2-3
§ 354.14(b)(3)	Basin Bottom. Written description of hydrogeologic conceptual model to identify definable bottom of basin.	§ 2.4; Figs. 2-7 – 2-9
§ 354.14(b)(4)	Principal Aquifers/Aquitards. Written description of hydrogeologic conceptual model to identify and discuss principal aquifers/aquitards, including: <ul style="list-style-type: none"> Formation names (if defined) Physical properties of aquifers/aquitards (including vertical/lateral extent, hydraulic conductivity, storativity) Structural properties of basin that restrict groundwater flow within principal aquifers (including stratigraphic changes, truncation of units, etc.) Water quality of principal aquifers Primary use(s) of principal aquifers (i.e., domestic, irrigation, municipal) 	§§ 2.4, 2.5, 3.3.1, 4.3.2, 5.2.3, 6; Figs. 2-10, 5-13, 5-14
§ 354.14(b)(5)	Data Gaps. Written description of hydrogeologic conceptual model to identify data gaps/uncertainty.	§§ 5.1.2, 6.1.2
§ 354.14(c)	Cross-Sections. At least two cross-sections of hydrogeological conceptual model that (1) include details required by § 354.14 and (2) depict major stratigraphic/structural features in basin.	Figs. 2-8 – 2-10; Appendix F
§ 354.14(d)	Geologic Map. Map(s) depicting physical characteristics of basin, including: <ul style="list-style-type: none"> Topographic information Surficial data (including locations of cross-sections) Soil characteristics Existing significant recharge areas, potential recharge areas, and discharge areas (including significant active springs, seeps, and wetlands within/adjacent to basin) Surface water bodies significant to management of basin Source/point of delivery for imported water 	Figs. 2-9 – 2-11, 5-15

South Tahoe Public Utility District
TVS Subbasin (6-005.01) Functional Equivalency Checklist
Appendix C - First Five-Year Update of the Alternative Plan

GSP Regulation ¹	GSP Requirement	Alternative Plan Functional Equivalent ²
§ 354.16	Groundwater Conditions. Description of current and historical groundwater conditions in basin (including data from January 1, 2015 to current conditions).	§§ 5.2, 6
§ 354.16(a)	Groundwater Elevation Data. Groundwater elevation data demonstrating flow directions, lateral and vertical gradients, and regional pumping patterns.	§ 5.2, 5.4.2; Figs. 3-3, 5-2 – 5-12, 5-22
§ 354.16(a)(1)	Groundwater Contours. Groundwater elevation contour maps depicting groundwater table/potentiometric surface associated with seasonal highs/lows for principal aquifers.	Figs. 5-8, 5-9, 5-10
§ 354.16(a)(2)	Hydrographs. Hydrographs depicting long-term groundwater elevations, historical highs and lows, and hydraulic gradients between principal aquifers.	§ 5.2; Figs. 5-2 – 5-12
§ 354.16(b)	Changes in Groundwater Storage. Graph depicting estimates of change in groundwater storage demonstrating annual/cumulative change in volume of groundwater in storage (including annual groundwater use and water year type).	§ 5.4.5; Fig. 5-21
§ 354.16(c)	Seawater Intrusion Conditions. Seawater intrusion conditions in basin (including maps/cross-sections of seawater intrusion front for each principal aquifer).	§ 8.2.1
§ 354.16(d)	Groundwater Quality Issues. Groundwater quality issues that may affect supply/beneficial uses of groundwater (including description/map of known groundwater contamination sites/plumes).	§ 6; Figs. 6-2 – 6-7, 6-13, 6-16
§ 354.16(e)	Land Subsidence. Discussion of extent, cumulative total and annual rate of land subsidence (including maps).	§§ 5.6.2, 8.1.3
§ 354.16(f)	Interconnected Surface Water Systems. Identification of interconnected surface water systems within basin and estimate of quantity/timing of depletions of those systems.	§§ 5.3, 5.6.1, 8.3.1; Figs. 5-32, 5-33
§ 354.16(g)	Groundwater Dependent Ecosystems. Identification of groundwater dependent ecosystems within basin.	§§ 2.6.3, 5.3, 8.3.2; Fig. 2-14
§ 354.18(c)(1)	<p>Current Water Budget. Quantification of current inflows and outflows for basin (surface and groundwater), including:</p> <ul style="list-style-type: none"> • Surface water. Surface water entering/leaving basin by water source type. • Groundwater Inflow. Inflow to groundwater by water source type (including subsurface groundwater inflow and infiltration of precipitation, applied water, and surface water systems). • Groundwater Outflow. Outflows from groundwater system by water use sector (including evapotranspiration, groundwater extraction, groundwater discharge to surface water sources, and subsurface groundwater outflow). • Groundwater Storage. Change in annual volume of groundwater in storage. • Overdraft. Quantification of overdraft (if applicable per Bulletin No. 118 designation). • Water Year Type. Water year type associated with annual supply, demand, and change in groundwater stored. • Sustainable Yield. Estimate of basin sustainable yield. 	§ 5.4, 5.5
§ 354.18(c)(2)	Historical Water Budget. Quantification of historical water budget for basin, including:	§§ 5.4, 5.4.6, 5.5

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GSP Regulation ¹	GSP Requirement	Alternative Plan Functional Equivalent ²
	<ul style="list-style-type: none"> • <u>Surface Water</u>. Quantitative evaluation of availability/reliability of historical surface water deliveries as function of historical planned versus actual annual surface water deliveries over most recent 10 year period (by surface water source and water year type). • <u>Assessment</u>. Quantitative assessment of historical water budget over past 10 years (minimum). • <u>Impact on Sustainable Yield</u>. Description of how historical conditions concerning hydrology, water demand, and surface water supply available/reliability have impacted ability to operate basin within sustainable yield. 	
§ 354.18(c)(3)	<p>Projected Water Budget. Estimation of future baseline conditions concerning hydrology, water demand, and surface water supply availability/reliability over planning and implementation horizon, including:</p> <ul style="list-style-type: none"> • <u>Projected hydrology</u>. Projected hydrology shall utilize 50 years of historical precipitation, evapotranspiration, and streamflow information as baseline condition for estimating future hydrology. • <u>Projected Water Demand</u>. Projected water demand shall utilize most recent land use, evapotranspiration, and crop coefficient information as baseline condition for estimating future water demand. • <u>Projected Surface Water Supply</u>. Projected surface water supply shall utilize most recent water supply information as baseline for estimating future surface water supply. 	§§ 5.4.8, 5.5
§ 354.20(a)	Management Areas. Agency <u>may</u> define management area(s) within basin if creation will facilitate GSP implementation.	§§ 2.1.3, 8.3.1.5.1
§ 354.24	<p>Sustainability Goal. Description of sustainability goal, including:</p> <ul style="list-style-type: none"> • Information from basin setting used to establish sustainability goal • Discussion of measures that will be implemented to ensure basin operated within sustainable yield • Explanation of how sustainability goal likely to be achieved within 20 years of GSP implementation and maintained through planning and implementation horizon 	§§ 5, 8.1.1.1, 8.1.2, 8.1.3, 8.2.1, 8.2.2, 8.3.1, 9
§ 354.26(a)	Process to Define Undesirable Results. Description of process/criteria relied upon to define undesirable results.	§§ 1, 8
§ 354.26(b)	<p>Description of Undesirable Results. Description of undesirable results, including:</p> <ul style="list-style-type: none"> • Cause of groundwater conditions that would lead to/has led to undesirable results • Criteria used to define when/where effects of groundwater conditions cause undesirable results (for each applicable sustainability indicator) • Potential effects on (1) beneficial uses/users of groundwater, (2) land uses/property interests, and (3) other potential effects that may occur/are occurring from undesirable results 	§§ 5.2, 5.3, 6, 8, 8.1.1.2, 8.3.1.2
§ 354.28(a)	Establishment of Minimum Thresholds. Establishment of minimum thresholds (i.e., numeric value) that quantify	§ 8

South Tahoe Public Utility District
TVS Subbasin (6-005.01) Functional Equivalency Checklist
Appendix C - First Five-Year Update of the Alternative Plan

GSP Regulation ¹	GSP Requirement	Alternative Plan Functional Equivalent ²
	groundwater conditions for each sustainability indicator at each monitoring site.	
§ 354.28(b)	<p>Description of Minimum Thresholds. Description of minimum thresholds, including:</p> <ul style="list-style-type: none"> • Information/criteria relied upon to establish/justify minimum thresholds for each sustainability indicator • Relationship between minimum thresholds for each sustainability indicator (including explanation of how each minimum threshold will avoid undesirable results for each sustainability indicator) • Explanation of how minimum thresholds selected to avoid causing undesirable results in adjacent basin or affect ability of adjacent basin(s) to achieve sustainability goals • Explanation of how minimum thresholds may affect interests of beneficial uses/users of groundwater or land uses/property interests • Explanation of how local/state/federal standards relate to relevant sustainability indicator • Explanation of how each minimum threshold quantitatively measured 	§ 8; <i>see also</i> §§ 5, 6.
§ 354.28 (c)	<p>Definition of Minimum Thresholds. See section 23 CCR 354.28(c) for detailed requirements regarding the establishment of minimum thresholds for each of the specific sustainability indicators:</p> <ul style="list-style-type: none"> • Chronic Lowering of Groundwater Levels • Reduction of Groundwater Storage • Seawater Intrusion • Degraded Water Quality • Land Subsidence • Depletions of Interconnected Surface Water 	§ 8
§ 354.30(a)	<p>Establishment of Measurable Objectives. Establishment of measurable objectives and interim milestones (in 5-year increments) for each sustainability indicator to achieve sustainability goal within 20 years of GSP implementation.</p>	§ 8
§ 354.30(b)	<p>Establishment of Measurable Objectives. Establishment of measurable objectives for each sustainability indicator.</p>	§ 8
§ 354.30(e)	<p>Strategy to Achieve Sustainability Goal. Description of (1) path to achieve sustainability goal for basin within 20 years of GSP implementation, (2) interim milestones for relevant sustainability indicators in 5-year increments, and (3) how GSP likely to maintain sustainable groundwater management over planning and implementation horizon.</p>	§§ 8, 9
§ 354.34(a)	<p>Development of Monitoring Network. Monitoring network capable of collecting the following:</p>	§ 9.1

South Tahoe Public Utility District
TVS Subbasin (6-005.01) Functional Equivalency Checklist
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GSP Regulation ¹	GSP Requirement	Alternative Plan Functional Equivalent ²
	<ul style="list-style-type: none"> • Data to demonstrate short-term, seasonal, and long-term trends in groundwater/related surface conditions • Yield representative information about groundwater conditions 	
§ 354.34(b)	<p>Description of Monitoring Network Objectives. Description of monitoring network objectives, including an explanation of how network developed/implemented to monitor groundwater/related surface water conditions, and the interconnection of surface water and groundwater. The monitoring network objectives shall be implemented to accomplish the following:</p> <ul style="list-style-type: none"> • Demonstrate progress toward achieving measurable objectives described in the GSP • Monitor impacts to the beneficial uses or users of groundwater • Monitor changes in groundwater conditions relative to measurable objectives and minimum thresholds • Quantify annual changes in water budget components 	§ 9
§ 354.34(c)	<p>Monitoring Objectives for Sustainability Indicators. The monitoring network must satisfy the following objectives for each sustainability indicator:</p> <ul style="list-style-type: none"> • Chronic Lowering of Groundwater Levels (demonstrate groundwater occurrence, flow directions, hydraulic gradients between principal aquifers and surface water features) • Reduction of Groundwater Storage (provide estimate of change in annual groundwater in storage) • Seawater Intrusion (calculate current and projected rate/extent of seawater intrusion for each principal aquifer using chloride concentrations) • Degraded Water Quality (collect sufficient spatial/temporal data from each principal aquifer to determine groundwater quality trends for water quality indicators to address know water quality issues) • Land Subsidence (identify rate/extent of land subsidence by appropriate method) • Depletions of Interconnected Surface Water (monitor surface water and groundwater to characterize spatial/temporal exchanges between surface water and groundwater and to calibrate and apply tools/methods necessary to calculate depletions of surface water) 	§ 9.1.2
§ 354.34(g)	<p>Description of Monitoring Network. Description of monitoring network, including:</p> <ul style="list-style-type: none"> • Scientific rationale for monitoring site selection • Consistency with date and reporting standards described in § 354.2 • Quantitative values for the minimum threshold, measurable objective, and interim milestones for each sustainability indicator at each monitoring site 	§ 9.1.1
§ 354.34(h)	<p>Map of Monitoring Sites. Map (and accompanying tabular graphic) identifying the following:</p> <ul style="list-style-type: none"> • Location of monitoring site • Type of monitoring site • Frequency of measurement • Purpose of monitoring site 	Fig. 9-1

South Tahoe Public Utility District
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GSP Regulation ¹	GSP Requirement	Alternative Plan Functional Equivalent ²
§ 354.34(i)	Description of Monitoring Protocols. Description of technical standards, data collection methods, and other procedures/protocols (pursuant to Water Code § 10727.2(f)) for monitoring sites/data collection facilities.	§ 9.1.2; Appendix L
§ 354.36(a)	Representative Monitoring. Agency <u>may</u> designate representative monitoring sites as point at which sustainability indicators monitored and for which quantitative values for minimum thresholds, measurable objectives, and interim milestones defined.	N/A
§ 354.38(a)	Identification of Data Gaps. Evaluation of Plan and identification of data gaps and analysis regarding whether data gaps exist that could affect ability of GSP to achieve sustainability goal.	§ 9.2
§ 354.38(c)	Description of Data Gaps. Description of monitoring network data gaps, including: <ul style="list-style-type: none"> • Location of data gaps • Reason for data gaps • Local issues/circumstances that limit/prevent monitoring 	§ 9.2
§ 354.38(d)	Description of Actions to Remedy Data Gaps. Description of steps taken to fill data gaps prior to 5-year assessment, including location and purpose of newly added/installed monitoring sites.	§ 9.2
§ 354.40	Storage and Reporting of Monitoring Data. Agency storage of monitoring data in data management system developed pursuant to section 354.6 and to include copy of monitoring data in annual reports submitted to DWR.	§ 9; Appendix L
§ 354.44(a)	Description of Projects and/or Management Actions. Description of projects and/or management actions to achieve sustainability goal for basin.	Appendix M
§ 354.44(b)(1)	List of Proposed Projects and Management Actions. List of proposed projects and/or management actions with a description of measurable objective expected to benefit from project and/or management action.	Appendix M
§ 354.44(b)(1)(A)	Description of Implementation Triggers. Description of the following: <ul style="list-style-type: none"> • Circumstances under which projects and/or management actions implemented • Criteria triggering implementation/termination of projects and/or management actions • Process to determine conditions have occurred requiring implementation of projects and/or management actions 	§ 10, Appendix M
§ 354.44(b)(1)(B)	Notice of Implementation of Projects and Management Actions. Description of (1) process to provide notice to public and other agencies that implementation of projects and/or management actions are being considered and/or have been implemented, and (2) actions taken.	§ 7
§ 354.44(b)(2)	Description of Projects and/or Management Actions to Mitigate Overdraft. Description of projects and/or management actions to mitigate overdraft, including quantification of demand reduction, etc. (if applicable)	N/A; see §§ 5.4.1, 5.4.2, 5.5.1

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GSP Regulation ¹	GSP Requirement	Alternative Plan Functional Equivalent ²
§ 354.44(b)(3)	Summary of Permitting and Regulatory Process. Summary of permitting and regulatory process required for each project and management action.	§ 10.1.2
§ 354.44(b)(4)	Status of Projects and/or Management Actions. Status of each project and/or management action (including timetable for expected initiation and completion) and accrual of expected benefits.	§ 10; Appendix M
§ 354.44(b)(5)	Explanation of Benefits. Explanation of (1) expected benefits from each project and/or management action and (2) how benefits evaluated.	§ 10; Appendix M
§ 354.44(b)(6)	Explanation of Process to Complete Project and/or Management Action. Explanation of how project and/or management action will be completed (i.e., explanation of source/reliability of water if projects and/or management action rely on water from outside jurisdiction).	§ 10; Appendix M
§ 354.44(b)(7)	Description of Required Legal Authority. Description of (1) legal authority required for implementation of each project and/or management action, and (2) basis for that authority within agency.	§§ 1.1.1, 3, 4
§ 354.44(b)(8)	Description of Estimated Cost. Description of (1) estimated cost for each project and/or management action, and (2) how agency plans to meet those costs.	§ 10.2.2
§ 354.44(b)(9)	Description of Management of Extractions and Recharge. Description of management of groundwater extractions and recharge to ensure chronic lowering of groundwater levels/depletion of supply during periods of drought offset by increases in groundwater levels/storage during other periods.	N/A
Annual Report Requirements		
§ 356.2	Submission of Annual Report. Annual report must be submitted by April 1 of each year following adoption of Plan.	§ 1.2.4; 2021 Annual Report
§ 356.2(a)	Executive Summary. General information about basin, including executive summary and map depicting location of basin.	2021 Annual Report
§ 356.2(b)(1)	Groundwater Elevation Data. Detailed description and graphical representation of groundwater elevation data from monitoring wells included in monitoring plan.	2021 Annual Report
§ 356.2(b)(1)(A)	Groundwater Elevation Contour Maps. Groundwater elevation contour maps for each principal aquifer illustrating seasonal high and low groundwater conditions.	2021 Annual Report
§ 356.2(b)(1)(B)	Hydrographs. Hydrographs of groundwater elevations and water year type using historical data.	2021 Annual Report
§ 356.2(b)(2)	Groundwater Extractions. Groundwater extraction information summarized as follows: <ul style="list-style-type: none"> • Table presenting data on groundwater extractions (for previous year) by water use sector and identifying method of measurement (i.e., direct or estimate) and accuracy of measurements • Map identifying general location and volume of groundwater extractions 	2021 Annual Report
§ 356.2(b)(3)	Surface Water Supplies. Surface water supplies used, and/or available for use, for groundwater recharge or in-lieu use.	N/A

South Tahoe Public Utility District
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GSP Regulation ¹	GSP Requirement	Alternative Plan Functional Equivalent ²
§ 356.2(b)(4)	Total Water Use. Table summarizing total water use by water use sector, water use type, water source type, and accuracy of measurements.	2021 Annual Report
§ 356.2(b)(5)	Change in Groundwater Storage. Change in groundwater storage information presented as follows: <ul style="list-style-type: none"> • Maps depicting groundwater storage change for each principal aquifer • Graph depicting water year type, groundwater use, annual change in groundwater in storage, and cumulative change in groundwater in storage 	2021 Annual Report
§ 356.2(c)	Description of Implementation Progress. Description of progress towards implementing Plan since previous annual report, including: <ul style="list-style-type: none"> • Achievement of interim milestones • Implementation of projects and/or management actions 	2021 Annual Report
Five Year Update Requirements		
§ 356.4	Submission of Five Year Plan Assessment. Agency must provide written assessment of Plan to DWR every five years (or whenever amended) regarding whether Plan implementation meeting sustainability goal.	Alternative Plan
§ 356.4(a)	Description of Groundwater Conditions. Description of current groundwater conditions for each applicable sustainability indicator, relative to measurable objectives, interim milestones, and minimum thresholds.	§§ 5, 8
§ 356.4(b)	Description of Plan Implementation. Description of implementation of any projects and/or management actions and effect of their effect on groundwater conditions.	§ 10, Appendix M
§ 356.4(c)	Revisions to Plan Elements. Proposed revisions to of Plan elements, including the following: <ul style="list-style-type: none"> • Basin setting • Management areas • Identification of undesirable results • Establishment of minimum thresholds • Establishment of measurable objectives 	§ 1.4, 2021 Annual Report
§ 356.4(d)	Re-Evaluation of Basin Setting. Evaluation of basin setting in light of significant new information or changes in water use and explanation of any significant changes.	Incorporated throughout Plan
§ 356.4(e)	Description of Monitoring Network. Description of monitoring network, including description of data gaps and any areas within basin that do not satisfy requirements of 23 CCR 352.4 and 23 CCR 354.34(c).	§ 1.4, 9
§ 356.4(e)(1)	Assessment of Monitoring Network. Assessment of monitoring network function, including the following: <ul style="list-style-type: none"> • Analysis of data collected to date • Identification of data gaps • Actions necessary to improve monitoring network 	§ 9.2
§ 356.4(e)(2)	Strategy to Remedy Data Gaps. Description of program to remedy data gaps (as applicable), including an estimate of timing for acquisition of additional data sources and for incorporation of new information into Plan.	§ 9.2; Appendix M

South Tahoe Public Utility District
 TVS Subbasin (6-005.01) Functional Equivalency Checklist
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GSP Regulation ¹	GSP Requirement	Alternative Plan Functional Equivalent ²
§ 356.4(e)(3)	Prioritization of New Data Collection Facilities. Prioritization of installation of new data collection facilities and analysis of new data.	§ 1.3, 1.4; Appendix M
§ 356.4(f)	Description of Significant New Information. Description of significant new information and whether new information warrants changes to any aspects of Plan (i.e., basin setting, measurable objectives, minimum thresholds, and criteria for defining undesirable results).	Incorporated throughout Alternative Plan
§ 356.4(g)	Description of Agency Actions. Description of relevant actions taken by Agency, including summary of Plan-related regulations/ordinances.	Incorporated throughout Alternative Plan; Appendix M
§ 356.4(h)	Summary of Enforcement or Legal Actions. Summary of any enforcement or legal actions taken by Agency in furtherance of sustainability goal.	N/A
§ 356.4(i)	Description of Plan Amendments. Description of completed and/or proposed Plan amendments.	§ 1.4
§ 356.4(j)	Summary of Inter-Agency Coordination. Summary or coordination between multiple agencies within a single basin, agencies in hydrologically connected basins, and land use agencies.	§§ 4, 7
§ 356.4(k)	Additional Information. Additional information Agency deems appropriate.	N/A

APPENDIX D

Public Outreach and Engagement Materials

580 Mallory Way, Carson City, NV 89701
P.O. Box 1888 Carson City, NV 89702
(775) 881-1201 FAX: (775) 887-2408

Customer Account #: 1067078

Legal Account

SOUTH TAHOE PUBLIC UTILITY DISTRICT,
1275 MEADOW CREST DR
SOUTH LAKE TAHOE, CA 96150
Attn: Star

Lee Anna Strandberg says:

That (s)he is a legal clerk of the
Tahoe Daily Tribune,
a newspaper published Friday
at South Lake Tahoe, in the State of California.

Copy Line

Signed Resolution No. 3140-20 Groundwater
Management Plan

PO#:

Ad #: 0000584853-01

of which a copy is hereto attached, was published
in said newspaper for the full required period of
2 time(s) commencing on **05/29/2020**,
and ending on **06/05/2020**, all days inclusive.



Signed: _____
Date: 06/10/2020 State of Nevada, Carson City

This is an Original Electronic Affidavit.

Price: \$ 1,831.00



**PUBLIC NOTICE OF
OPPORTUNITIES TO PARTICIPATE IN THE
DEVELOPMENT OF THE
5-YEAR UPDATE TO THE 2014 GROUNDWATER MANAGEMENT PLAN
FOR THE TAHOE SOUTH SUBBASIN**

On December 4, 2014, the South Tahoe Public Utility District ("District") adopted the 2014 Groundwater Management Plan ("2014 GMP") for the Tahoe South Subbasin of the Tahoe Valley Groundwater Basin (6-005.01) ("TVS Basin"). The 2014 GMP was prepared in accordance with the Groundwater Management Act ("AB 3030") which then defined the regulatory requirements for groundwater management plans.

In September of 2014, Governor Edmund G. Brown signed into law the Sustainable Groundwater Management Act of 2014 ("SGMA"). Under SGMA, local agencies are required to form a Groundwater Sustainability Agency ("GSA") with the authority and responsibility to sustainably manage their local groundwater basin. On November 17, 2015, the District was recognized by the California Department of Water Resources ("DWR") to serve as the GSA for the portion of the TVS Basin located within its service area boundary. On September 13, 2017, the El Dorado County Water Agency ("Water Agency") was recognized by DWR to serve as the GSA for the portion of the TVS Basin located outside of the District's service area boundary.

GSAs are required to develop a Groundwater Sustainability Plan ("GSP") or an approved alternative for sustainable management of their respective groundwater basin(s). On December 29, 2016, the District submitted, with the Water Agency's concurrence, the 2014 GMP along with additional plans, reports and other related documents to DWR for evaluation as an alternative to a GSP. On July 17, 2019, DWR made findings that the 2014 GMP satisfied the objectives of SGMA and DWR approved the 2014 GMP as an alternative plan to a GSP for the TVS Basin.

GSAs are required to periodically review, assess and update their groundwater management plans. Approved alternative plans are required to be reviewed every five years to ensure that they remain in compliance with SGMA. On May 21, 2020, the District adopted Resolution 3140-20 establishing the District's intent to draft an update to the 2014 GMP for the portion of the TVS Basin located within its service area boundary. On July 8, 2020, the Water Agency adopted Resolution WA-6-2020 establishing the Water Agency's intent to draft an update to the 2014 GMP for the portion of the TVS Basin located outside of the District's service area boundary. The first five-year update to the 2014 GMP is due to DWR by January 1, 2022.

The South Tahoe Public Utility District GSA and the El Dorado County Water Agency GSA jointly encourage all interested parties to participate in the five-year update of the 2014 GMP. The South Tahoe Public Utility District GSA serves as the point of contact for both GSAs. Interested parties may participate in both GSAs update of the five-year update of the 2014 GMP by any or all of the following;

- Add your email to the 2014 GMP Interested Parties list to receive notifications of public meetings/workshops convened for the five-year update to the 2014 GMP. To add your email, please send a message to Ivo Bergsohn (ibergsohn@stpub.dst.ca.us).
- Attend and provide comments at public meetings/workshops convened by the South Tahoe Public Utility District GSA and El Dorado County Water Agency GSA. In light of the current COVID-19 Public Health Emergency, all public meetings/workshops will be provided as on-line meetings; all attendance will be virtual. Meeting dates will be posted on the District's Groundwater Management

**PUBLIC NOTICE OF
OPPORTUNITIES TO PARTICIPATE IN THE
DEVELOPMENT OF THE
5-YEAR UPDATE TO THE 2014 GROUNDWATER MANAGEMENT PLAN
FOR THE TAHOE SOUTH SUBBASIN**

webpage (stpud.us/news/groundwater-management-process) and emailed to the 2014 GMP Interested Parties list.

- Send inquiries and/or comments related to the five-year update of the 2014 GMP to the District's mailing address: South Tahoe Public Utility District GSA, 1275 Meadow Crest Drive, South Lake Tahoe, CA 96150. or send an email message to Ivo Bergsohn (ibergsohn@stpud.dst.ca.us).
- Visit the District's Groundwater Management Plan Webpage at: <https://stpud.us/news/groundwater-management-plan/>. The District will post information and updates regarding the preparation of the five-year update to the 2014 GMP on this web-page.



Groundwater Management Plan Update for the Tahoe South Subbasin (6.005-1)

South Tahoe Public Utility District
Groundwater Sustainability
Agency

(11/23/2020)



The District and El Dorado Water Agency are in the process of developing the first five year update of the 2014 Groundwater Management Plan (2014 GMP) for the Tahoe South Subbasin, herein referred to as the Tahoe South Subbasin Alternative (Alternative).

The Tahoe South Subbasin (Subbasin) covers an area of about twenty-three (23) square miles underlying the City of South Lake Tahoe and the neighboring communities of Angora, Meyers and Christmas Valley in El Dorado County, CA.

The following presentation provides;

- Background information on the current 2014 GMP;
- A description of the update process; and
- How you can get involved with this process.



BACKGROUND

- Sustainable Groundwater Management Act (SGMA)
- Tahoe South Subbasin (Subbasin)
- Groundwater Sustainability Agencies (GSAs)
- Tahoe South Subbasin Alternative (Alternative)



BACKGROUND

Groundwater Sustainability Agencies (GSAs) are local agencies recognized by the California Department of Water Resources (DWR) for managing groundwater on behalf of all beneficial uses and users of groundwater within their respective groundwater basins.

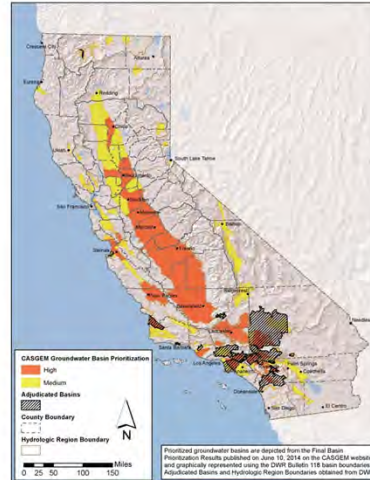
The following section provides general background information on;

- The Sustainable Groundwater Management Act (SGMA);
- The Tahoe South Subbasin (Subbasin);
- GSAs within the Subbasin; and
- The Tahoe South Subbasin Alternative (Alternative).



SGMA (effective Jan 1, 2015)

- Local agencies must form GSAs (by June 2017)
- GSAs must adopt Groundwater Sustainability Plan (GSP) or Alternative (by January 2022)
- GSAs must implement an approved GSP or Alternative within their respective groundwater basin.



Under SGMA, GSAs are required to develop and adopt a Groundwater Sustainability Plan (GSP) or Alternative to sustainably manage groundwater within a basin.

These plans are developed by GSAs so that the local community has a stake in determining what are local groundwater conditions and defining the basins desired state.

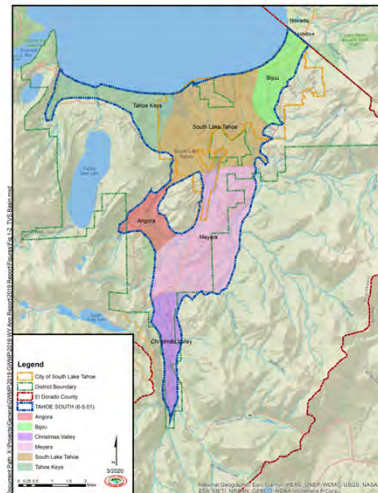
GSAs must also implement the adopted plan to maintain or improve groundwater conditions in order to attain the basins desired state within 20-years of implementation.

To insure GSAs are making progress towards this goal, DWR will regularly review these plans every 5-years.



Tahoe South Subbasin

- Medium-Priority Basin
 - Moderate population density
 - High reliance on groundwater
 - High well density
 - High susceptibility to contamination




During 2015 and 2018, DWR conducted Basin Prioritizations to identify those groundwater basins subject to new groundwater management requirements under SGMA.

Through this process, the Subbasin was ranked as a Medium-Priority Basin; and under SGMA, subject to new groundwater management requirements.

The Subbasin was found subject to these new groundwater management requirements as;

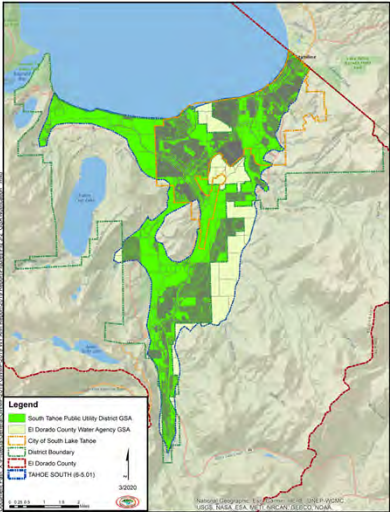
- The Subbasin has a moderate population density with a very high reliance on groundwater for drinking water (more than 90% of the drinking water used in the Subbasin is from groundwater);
- Along with this high reliance, there is a high density of both public and private drinking water wells within the Subbasin (recent surveys conducted by the District indicate that there may be more than 400 active drinking water wells currently within the Subbasin); and

- Groundwater within the Subbasin is very susceptible to contamination (as evidenced by the history of local groundwater contaminant plumes and the impairments of public and private drinking water wells).




GSAs

- South Tahoe Public Utility District GSA (November 2015)
- El Dorado Water Agency GSA (September 2017)
- MOU – sustainably manage groundwater resources in basin (2016; 2017; 2020)



**SECOND AMENDED AND RESTATED
MEMORANDUM OF UNDERSTANDING**

This Second Amended and Restated Memorandum of Understanding ("MOU") is entered into on this 4th day of June, 2020 ("Effective Date"), by and between the South Tahoe Public Utility District ("District") and the El Dorado County Water Agency ("EDCWA") (each a "Party" and collectively the "Parties"), at South Lake Tahoe, California, with reference to the following facts and intentions:



GSAs in the Subbasin include the South Tahoe Public Utility District (District) and the El Dorado Water Agency (Water Agency).

The District has been recognized as the exclusive GSA for the portion of the Subbasin lying within it's service area boundary (area shown in Green), since November 2015.

In September 2016, the District and the Water Agency entered into a Memorandum of Understanding (MOU) to cooperatively manage groundwater resources and coordinate implementation of SGMA (on the Water Agency's behalf) for the portions of the Subbasin within El Dorado County, outside of the District's service area (area shown in yellow).

This MOU was later modified as an Amended and Restated MOU in June 2017. At that time, the Water Agency submitted a GSA Notification of its intent to serve as the GSA for the County portion of the Subbasin lying outside the District's service area boundary; and the District withdrew it's earlier 2016 GSA Notification submitted for this area.

The Amended and Restated MOU was later modified as a Second Amended and Restated MOU in June 2020. The Second Amended and Restated MOU was modified to acknowledge the District's 2014 GMP as an approved Alternative for the Subbasin; and coordinate implementation of the Alternative across the full extent of the Subbasin.



Tahoe South Subbasin Alternative

- South Tahoe PUD adopts 2014 Groundwater Management Plan (Dec 2014)
- 2014 GMP submitted to Department of Water Resources (Dec 2016)
- DWR approves 2014 GMP as Tahoe South Subbasin Alternative (July 2019)

Kennedy/Jenks Consultants
10250 Grand Canyon Drive, Suite 200
Rancho Cordova, CA 95670
916-455-2700
916-858-2754 (Fax)

**Tahoe Valley South Basin
(6-S.01)
2014 Groundwater
Management Plan**
22 December 2014

**South Tahoe
Public Utility District**
1275 Meadow Crest Drive South Lake Tahoe, CA 96150 FAX
Phone (530) 548-0478 • Fax (530) 541-0284 • www.stpuid.net

December 22, 2016

Trevor Joseph
Sgm, Engineering Geologist
SGM Section Chief
902 F Street, Room 213
P.O. Box #42836
Sacramento, California 95836

RE: SUBMISSION OF 2014 GROUNDWATER MANAGEMENT PLAN AS ALTERNATIVE PLAN

CALIFORNIA DEPARTMENT OF WATER RESOURCES
SUSTAINABLE GROUNDWATER
MANAGEMENT OFFICE
907 P Street, Room 2134 • Sacramento, CA 95834 • P.O. Box 90208 • Sacramento, CA 95820-0018

July 17, 2019

Mr. Ivo Bergsohn
South Tahoe Public Utility District
1275 Meadow Crest Drive
South Lake Tahoe, California 96150

Dear Mr. Bergsohn:

The Department of Water Resources (Department) has evaluated the alternative submitted for the Tahoe South Subbasin. Based on recommendations from the Staff Report, included as an exhibit to the attached Statement of Findings, the Department has determined that the Tahoe South Subbasin Alternative satisfies the objectives of the Sustainable Groundwater Management Act (SGMA) and is approved. The Staff

The District has a long history of groundwater management within the Tahoe South Subbasin. In 2000, the District enacted its first groundwater ordinance and adopted an accompanying Groundwater Management Plan focused on protecting District drinking water wells from man-made groundwater contaminants.

In 2014, this groundwater management plan was updated in accordance with the Groundwater Management Act which then defined the regulatory requirements for Local Groundwater Management Plans.

In 2016, the District with support of the Water Agency, submitted the 2014 GMP along with other related plans, reports and documents to DWR for consideration as an Alternative for the Subbasin.

In July 2019, DWR approved the 2014 GMP as an Alternative for the Subbasin and required that the District complete the first 5-year update of this Alternative by January 1, 2022.



PERIODIC REVIEW

- Status Review
- New Information



PERIODIC REVIEW

Under SGMA, GSA's with approved GSP's or Alternatives are required to periodically review and assess their plans every 5 years.

The first 5-year update is planned to include a:

- Status Review of the current Alternative; and
- Updating the current Alternative using new information developed since initial adoption of the 2014 GMP.



Status Review

- Review the current 2014 GMP;
- Adjust plan actions, as needed, to align with accomplishments and current conditions;
- Review new information for incorporation into the updated Alternative.



The Status Review is planned to include;

- Review of the current 2014 GMP;
 - In light of new regulatory requirements under SGMA; and
 - Actions completed since adoption of the 2014 GMP.
- New information developed since adoption of the 2014 GMP will also be reviewed for incorporation into the updated Alternative.



New Information

- Develop 50-Year water budgets considering climate change and population growth
- Show how groundwater pumping may impact groundwater contaminant migration
- Estimate the quantity and timing of depletions of interconnected surface waters
- Define quantitative management criteria with respect to groundwater elevations, groundwater storage volumes, and volumes or rate of surface water depletions.



DWR recommended that the following information be included in the updated Alternative:

- 50-year water budgets for the groundwater basin considering both climate change and population growth;
- Examples of how groundwater pumping may impact the movement of groundwater contaminants within the Subbasin;
- Estimates of the quantity and timing of potential depletions of surface waters from groundwater pumping; and
- Management criteria that can be used to prevent unreasonable declines in groundwater elevation; volume reductions in groundwater storage; and unreasonable volumes or rates of surface water depletions within the Subbasin.



PUBLIC PARTICIPATION

- Web Page
- Public Meetings & Workshops
- Public Review



PUBLIC PARTICIPATION

The District is committed to providing an on-going process for public participation and coordination with local agencies in support of sustainable groundwater management. As such, the District is actively seeking your input and invites you to get involved in the first 5-year update of the Alternative.

To keep you up-to-date during this process the District will;

- Provide regular updates to the District's Groundwater Management Plan Web Page;
- Offer on-line meetings and workshops to inform the public and solicit input; and
- Provide a public comment period for formal review and input on the draft Alternative.



Web Page

- <https://stpud.us/news/groundwater-management-plan/>
- Plan Notices
- Plan Documents
- Technical Reports
- Stakeholder Advisory Group (SAG)
 - Meeting Notes & Presentations



The District's web site is being used as an information clearinghouse for updating the Alternative.

Important Public Notices; Plan Documents; and Technical Reports related to the Alternative are posted on the District's Groundwater Management Plan Web Page.

Announcements of upcoming on-line meetings and workshops are being posted under Plan Notices.

Links to the current Alternative (the 2014 Groundwater Management Plan) and related documents including the MOUs between the District and El Dorado Water Agency are provided under Plan Documents.

Additional technical information in the form of related reports and documents are provided under Technical Reports; and

Finally meeting notes and presentations from past Stakeholder Advisory Group (SAG) Workshops are posted to provide further information on groundwater issues and concerns being addressed under the current Alternative.



Public Meetings & Workshops

- Board Meetings
- SAG Workshops
- Stakeholder Group Presentations



Public Meetings and Workshops will be used to inform and solicit comment from the public, interested parties and stakeholders during development of the updated Alternative.

Brief status reports will be provided during Regular Meetings of the District's Board of Directors;

Status review of the current Alternative and on-going work for the updated Alternative are being discussed during Stakeholder Advisory Group (SAG) Workshops. These on-line meetings are also open to the public.

Lastly, the District will meet with specific stakeholder groups, such as Private Well Owners and Environmental users of groundwater, outside SAG Workshops to help identify and discuss specific groundwater concerns unique to these stakeholder groups.



Public Review

- Notice of Availability (NOA)
- Public Comment
- Public Meeting
- Public Hearing




Near the end of the review period, a Notice of Availability (NOA) will be issued announcing the release of the public draft of the updated Alternative and the start of the public comment period.

The NOA will include a link to download a copy of the public draft Alternative, and will include details of an online meeting to be hosted by the District presenting the draft Alternative.

Comments received during the public comment period will be compiled and reviewed by District staff. Significant comments will be highlighted and brought to the attention of the District's Board of Director's.

During the Public Hearing the Board will consider these comments and determine in what form the District shall adopt the updated Alternative.



TAHOE SOUTH SUBBASIN ALTERNATIVE

- Schedule
- Additional Information



TAHOE SOUTH SUBBASIN ALTERNATIVE

The first five year update of the Tahoe South Subbasin Alternative is due to DWR by January 1, 2022.

The following section presents a general list of meetings and workshops to be scheduled over the coming year for the updated Alternative;

Sources of additional information are provided at the end of this presentation.



Schedule

- Board Meetings: 1st and 3rd Thursdays of every month
- SAG Workshops: 1st and 3rd quarters of every year
- Public Draft /Notice of Availability – October 2021
- Public Meeting – November 2021
- Public Hearing – December 2021



Status reports on the progress of the updated Alternative will be provided to the District's Board of Directors on a Quarterly Basis or as needed to inform the Board on issues raised during the update process.

These updates are planned to be provided during Regular Board Meetings. The District's Board regularly meets on the 1st and 3rd Thursdays of every month.


The District hosts workshops with the SAG at least two times per year. These meetings are also open to the public and will be used to discuss the Status Review and the findings of current work being conducted for the updated Alternative.

SAG Workshops are planned to be scheduled during the 1st and 3rd Quarters of 2021.

The District is planning to complete a Public Draft of the updated Alternative by October 2021.


The Public Meeting presenting the public Draft will be scheduled near the middle of the public comment period in November 2021;

A Public Hearing to consider public comments and adopt the updated Alternative will be scheduled in early December 2021.



Information

- Plan Manager
 - Ivo Bergsohn, Hydrogeologist
 - (530) 543-6204
- Interested Parties Email List
 - ibergsohn@stpud.dst.ca.us
- GMP Web Page
 - <https://stpud.us/news/groundwater-management-plan/>



For further Information about this process, your invited to:

Contact the Plan Manager;

- Should you have questions about the current 2014 GMP and/or development of the Tahoe South Subbasin Alternative; and
- Add your email to the Interested Parties List.

The Interested Parties List is being used to send notifications of public meetings, workshops and information updates related to development of the updated Alternative to your email.

Lastly, please visit the GMP Web Page to download Public Notices, Plan Documents and Technical Information being posted for the updated Alternative.

TIER	STAKEHOLDERS	METHOD(S)	Participation Notice	Stakeholder Survey
I	<ul style="list-style-type: none"> 1) Legislative Bodies (§10727.8) <ul style="list-style-type: none"> a. El Dorado County - Board of Supervisors b. City of South Lake Tahoe – City Council 2) GW Elevation Monitoring and Reporting Entities (§10927) <ul style="list-style-type: none"> a. Federal Water Master 3) Local Land Use Planning Agencies <ul style="list-style-type: none"> a. Tahoe Regional Planning Agency (TRPA) b. El Dorado County Planning c. City of South Lake Tahoe Planning d. US Forest Service e. California State Parks 	<ul style="list-style-type: none"> 1) Direct Mailer 2) Follow-Up Email 3) Interested Parties List 4) District Web Page 	<ul style="list-style-type: none"> X X X 	<ul style="list-style-type: none"> X X
II	<ul style="list-style-type: none"> 1) Groundwater Users <ul style="list-style-type: none"> a. Domestic Well Owners <ul style="list-style-type: none"> i. Domestic Well Owners List b. Public Water Systems <ul style="list-style-type: none"> i. Community Water Systems (CWS) ii. Non-Transient Non-Community (NTNC); iii. Transient Non-Community (TNC) iv. State Small Water Systems List (SSWS) 2) Environmental Users of Groundwater <ul style="list-style-type: none"> a. California Tahoe Conservancy 3) Surface Water Users <ul style="list-style-type: none"> a. Lakeside Mutual Water Company b. Tahoe Water Suppliers Association 	<ul style="list-style-type: none"> 1) Direct Mailer 2) Interested Parties List 3) District Web Page 	<ul style="list-style-type: none"> X X 	<ul style="list-style-type: none"> X

III	<ul style="list-style-type: none"> 1) Economic Development <ul style="list-style-type: none"> a. Tahoe Chambers of Commerce b. South Tahoe Chamber of Commerce 2) Environmental and Ecosystems <ul style="list-style-type: none"> a. State Agencies b. El Dorado County Environmental Management District c. Environmental Groups 3) Federal and State Lands <ul style="list-style-type: none"> a. Federal Agency b. State Agency 4) General Public <ul style="list-style-type: none"> a. Community Leader 5) Human Right To Water <ul style="list-style-type: none"> a. See SSWS List 6) Integrated Water Management <ul style="list-style-type: none"> a. Regional Water Management 7) Tribes <ul style="list-style-type: none"> a. Washoe Tribe 	<ul style="list-style-type: none"> 1) Interested Parties list 2) District Web Page 	X	

Stakeholder Survey

Organization or Business Name:

Date:

Name of Primary Contact or Individual Stakeholder Name:

Contact Information for primary contact or individual stakeholder:

Email:

Cell:

Website:

Question	Response	Notes
Do you own, manage or operate land in the South Lake Tahoe region?		
Do you manage water resources? If yes, what is your role?		
What is your primary interest in land or water resources management?		
Do you have concerns about groundwater management? If so, what are they?		
Do you have recommendations regarding groundwater management? If so, what are they?		
Are you familiar with the Sustainable Groundwater Management Act (SGMA)?		
Are you currently engaged in activity or discussions regarding groundwater management in the South Lake Tahoe region?		
What else do you want us to know?		
Who else should we listen to?		

South Tahoe Public Utility District
El Dorado Water Agency
Alternative Plan-
TVS Subbasin (6-005.01)
Stakeholders List

TYPE	CATEGORY	GROUP	AGENCY	CONTACT	TITLE	ADDRESS	ADDRESS_CITY	STATE	P
I	Development	Elected Official	City of South Lake Tahoe	Tamara Wallace	Mayor	206	South Lake Tahoe	CA	96150
I	Development	Elected Official	City of South Lake Tahoe	Devin Middlebrook	Mayor Pro Tem	206	South Lake Tahoe	CA	96150
I	Development	Elected Official	City of South Lake Tahoe	Cristi Creegan	Council Member	206	South Lake Tahoe	CA	96150
I	Development	Elected Official	City of South Lake Tahoe	Cody Bass	Council Member	206	South Lake Tahoe	CA	96150
I	Development	Elected Official	City of South Lake Tahoe	John Friedrich	Council Member	206	South Lake Tahoe	CA	96150
I	Development	Elected Official	City of South Lake Tahoe	Joseph Irvin	City Manager	206	South Lake Tahoe	CA	96150
I	Economic Development	Elected Official	El Dorado County Board of Supervisors	Kim Dawson	Department Head	331 Fair Lane	Placerville	CA	95667
I	Economic Development	Elected Official	El Dorado County Board of Supervisors	John Hidahl	District One Supervisor	331 Fair Lane	Placerville	CA	95667
I	Economic Development	Elected Official	El Dorado County Board of Supervisors	George Turnboo	District Two Supervisor	330 Fair Lane	Placerville	CA	95667
I	Economic Development	Elected Official	El Dorado County Board of Supervisors	Wendy Thomas	District Three Supervisor	330 Fair Lane	Placerville	CA	95667
I	Economic Development	Elected Official	El Dorado County Board of Supervisors	Lori Parlin	District Four Supervisor	330 Fair Lane	Placerville	CA	95667
I	Economic Development	Elected Official	El Dorado County Board of Supervisors	Sue Novasel	District Five Supervisor	924 Emerald Bay Road	South Lake Tahoe	CA	96150
I	Federal & State Lands	Office of the Water Master	TROA Administration	Chad Blanchard	Federal Water Master	Boulevard	Reno	NV	89523
I	Land Use	City Agency	City of South Lake Tahoe	John Hitchcock	Planning Manager	1901 Lisa Maloff Way	South Lake Tahoe	CA	96150
I	Land Use	County Agency	El Dorado County	Tiffany Schmid	Director, Planning and Building Department	2850 Fairlane Court, Building C	Placerville	CA	95667
I	Land Use	County Agency	El Dorado County	Brendan Ferry	Deputy Director, Tahoe Planning and Stormwater Division	924 B Emerald Bay Rd	South Lake Tahoe	CA	96150
I	Land Use	Regional Land Use Agency	Tahoe Regional Planning Agency	Joan Marchetta	Executive Director Long Range Planning and Transportation	128 Market Street	Stateline	NV	89410
I	Land Use	Regional Land Use Agency	Tahoe Regional Planning Agency	Nick Haven	Division Manager	128 Market Street	Stateline	NV	89410
II	Federal & State Lands	Federal Agency	Management Unit	Danelle D. Harrison	Supervisor	35 College Drive	South Lake Tahoe	CA	96150-4500
II	Federal & State Lands	State Agency	California State Parks	Matt Green	District Superintendent	Sierra District, PO Box 266	Tahoma	CA	0266
II	Federal & State Lands	State Agency	California Tahoe Conservancy	Jane Freeman	Executive Director	1061 3rd Street	South Lake Tahoe	CA	96150
II	Federal & State Lands	State Agency	California Tahoe Conservancy	Stuart Roll	Scientist	1061 3rd Street	South Lake Tahoe	CA	96150
II	Private Users	Domestic		3889 BEACH ROAD CA LLC		3889 BEACH RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		ADAMS PENELOPE H		3843 BEACH RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		ADAMS ROGER		3780 MEADOW RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Amy Hill		3892 LAKE TAHOE BLVD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		BAGINSKI PATRICK JOHN TR		3613 GRASS LAKE RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		BARNEY JOY S		3558 MORTON DR	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Ben King		1330 MELBA DR	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Bob Cook		12280 Tavernor Trail Lane	Wilton	CA	95693
II	Private Users	Domestic		BRADFORD JAMES A TR		3070 ELF LN	South Lake Tahoe	CA	96150

South Tahoe Public Utility District
El Dorado Water Agency
Alternative Plan-
TVS Subbasin (6-005.01)
Stakeholders List

TYPE	CATEGORY	GROUP	AGENCY	CONTACT	TITLE	ADDRESS	ADDRESS_CITY	STATE	P
II	Private Users	Domestic		BRAUN sarah		960 CAVE ROCK AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		BREMSER JAMES H		3531 GRASS LAKE RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		BRETT MONA J TR		3943 BEACH RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Brian strouse		2240 US HWY 50	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Carlos Cepeda		3688 ALDER AVE, B	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Carol Chapman		4 Carmel Way	San Anselmo	CA	94960
II	Private Users	Domestic		CHENEY LEONARD V TR		3771 BEACH RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		COFFARO LOUIS		3641 SOUTH UPPER TRUCKEE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		COOK GERALD SCOTT TR		3996 MEADOW RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		DAGGETT MAUREEN		3924 PINE BLVD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		DEVRIES LAKE TAHOE CA LLC		3862 MEADOW RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Diana madson		3725 ASPEN AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Diane NASSER		3598 MEMORY LN	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Elizabeth Crabtree		3781 GRASS LAKE RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		FLYNN TAYLOR		3529 MORTON DR	South Lake Tahoe	CA	96150
II	Private Users	Domestic		GILLEY DANIEL J		3520 MEMORY LN	South Lake Tahoe	CA	96150
II	Private Users	Domestic		HAGE MARCAN F		3562 MEMORY LN	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Hazel wilson		3694 GRASS LAKE RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Helen O'Brien		4415 Bridle Way	South Lake Tahoe	CA	96150
II	Private Users	Domestic		John noon		8845 Johnson Pass	South Lake Tahoe	CA	96150
II	Private Users	Domestic		John Strait		1154 15th Ave E,	Seattle	WA	98112
II	Private Users	Domestic		John Telfer		17045 Monterey Road, Suite	Morgan Hill	CA	95037
II	Private Users	Domestic		Joseph Friedman		126 Karen LN	Martinez	CA	94553
II	Private Users	Domestic		Kerry Lowe		314 Springpark Circle	San Jose	CA	95136
II	Private Users	Domestic		King's IV Condo Assoc. (Michael LeFevre, Treasurer)		P.O. Box 18693	South Lake Tahoe	CA	96151
II	Private Users	Domestic		KLEIN KEITH KARL TR		1091 JOHNSON BLVD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Krista Kent		3736 PARADISE AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		LACORTE FRANK J JR TR		3787 BEACH RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Larry Batch		521 Marilyn Ln, Redlands, CA	Redlands	CA	92373
II	Private Users	Domestic		LATON Kathy11898		11898 Brookglen Dr., Saratoga	Saratoga	CA	95070
II	Private Users	Domestic		Laura Alvarez		3546 SPRUCE AVE, #1	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Linda manning		3894 Pine Road	South Lake Tahoe	CA	96150
II	Private Users	Domestic		LONG MARIA		3745 TAMARACK AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		LYNCH WILLIAM D TR		3599 SPRUCE AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		MACLEOD KAREN M TR		3827 BEACH RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		MATIGNON EMIL LEON SUC CO TR		3929 CEDAR AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		MC DONNELL JAMES P		3854 MEADOW RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		MCKEE REBECCA I TR		3820 MEADOW RD	South Lake Tahoe	CA	96150

South Tahoe Public Utility District
El Dorado Water Agency
Alternative Plan-
TVS Subbasin (6-005.01)
Stakeholders List

TYPE	CATEGORY	GROUP	AGENCY	CONTACT	TITLE	ADDRESS	ADDRESS_CITY	STATE	P
II	Private Users	Domestic		MCSWEENEY SHARON		1078 FERN RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Melissa demby		3576 MORTON DR	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Mercades Beran		3143 BELLEVUE AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		MILLER JONATHON F		1284 HEATHER LAKE RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		MIROYAN PETER V		3788 MEADOW RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Nick Wilcox		1154 EMERALD BAY RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Noel Parish		Modesto, CA	Modesto	CA	
II	Private Users	Domestic		Peter Stevens		2015 SW Moss St, Portland O	South Lake Tahoe	CA	96150
II	Private Users	Domestic		PETTENATO THOMAS		913 LOS ANGELES AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		PIMENTEL KENNETH S		3580 SHIRLEY AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		PORTER DANNY S		3431 ALOHA RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		rachel karklin		1134 Shenandoah Drive	Sunnyvale	CA	94087
II	Private Users	Domestic		Ralph Miller		1725 Finecroft Dr.	Claremont	CA	91711-2411
II	Private Users	Domestic		RAMOS FRANCISCO J		3716 BIRCH AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Robert W Bianchi FBO Vera Silberstein (Dec'd)		1000 Munras Avenue Suite 2	Monterey	CA	93940
II	Private Users	Domestic		Ronald Polivka		1861 Rockspring Place	Walnut Creek	CA	94596
II	Private Users	Domestic		Ross Rittiman		PO box 1122	Zephyr Cove	NV	89448
II	Private Users	Domestic		RUNCIE TIM E		3796 MEADOW RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		RYAN TRACY SILER		3881 BEACH RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Scott R. Agee		1724 Alicante Street	Davis	CA	95618
II	Private Users	Domestic		SEAMOUNT CLARENCE L		1097 BLUE LAKE AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		SILVERNAIL JAMES D TR		1120 OAK AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		SOUTHWICK CRAIG		3949 CEDAR AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Steven suhr		35 Atwood drive	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Susan hoy		835 LAKEVIEW AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		TARPEY DEREK P		2341 INCLINE RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		TEAKELL DOUGLAS L		3581 GRASS LAKE RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Terry Johnson		813 Roma Street	Livermore	CA	94551
II	Private Users	Domestic		U S A FOREST SERVICE		3854 BRIDGE RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		U S A FOREST SERVICE		2222 RAINBOW RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		U S A FOREST SERVICE		2876 SOUTH UPPER TRUCKEE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		U S A FOREST SERVICE		2262 RAINBOW RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		U S A FOREST SERVICE		3874 BRIDGE RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		U S A FOREST SERVICE		3840 BRIDGE RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		U S A FOREST SERVICE		3876 SOUTH UPPER TRUCKEE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		U S A FOREST SERVICE		3832 BRIDGE RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		U S A FOREST SERVICE		3866 SOUTH UPPER TRUCKEE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		U S A FOREST SERVICE		3848 BRIDGE RD	South Lake Tahoe	CA	96150

South Tahoe Public Utility District
El Dorado Water Agency
Alternative Plan-
TVS Subbasin (6-005.01)
Stakeholders List

TYPE	CATEGORY	GROUP	AGENCY	CONTACT	TITLE	ADDRESS	ADDRESS_CITY	STATE	P
II	Private Users	Domestic		ULRICH sheila M TR		3659 SOUTH UPPER TRUCKEE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		WENDELL WILLIAM		3646 SOUTH UPPER TRUCKEE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		WESTCOTT FAMILY HOLDINGS		3951 BEACH RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		WHITE PETER RYAN		3738 ASPEN AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		William Voorwinden		3656 FOREST AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		WILSON WILLIAM		1081 SONORA AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		YURE RONALD H TR		3677 SOUTH UPPER TRUCKEE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Anna yap		3586 MEMORY LN	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Billy collins		3771 SOUTH UPPER TRUCKEE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		BORYS ANN MARIE		1103 LONG VALLEY AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		BRUCE ROSS C TR		3420 RED LAKE RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		CASANOVA ENRIQUETA DE LEON		1316 PENINSULA RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		CEDERQUIST DANIEL PATRICK TR		3920 CEDAR AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		CHARSHAFIAN RICHARD		3550 MEMORY LN	South Lake Tahoe	CA	96150
II	Private Users	Domestic		COHEN ABBY		3583 SOUTH UPPER TRUCKEE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Craig Lesueur		3031 JAMESON BEACH RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		DENZLER STEPHEN A		969 CAVE ROCK AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		DRAKE SHIRLEY M TR		3730 LARCH AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Ed Senior		758 EL DORADO AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		ERIC Valentine		3786 NEEDLE PEAK RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		FINGADO BRIAN TR		3846 MEADOW RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		FOWLER SELINA L		1375 KELLER RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		frank bliss		3948 meadow road	South Lake Tahoe	CA	96150
II	Private Users	Domestic		GAMBER TIM TR		3800 OSGOOD AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		GARCIA CRISTINO JR		3634 LARCH AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Gary Frega		3652 Blackwood Rd.	South Lake Tahoe	CA	96150
II	Private Users	Domestic		GARZA ABEL P		1241 HEATHER LAKE RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Gere elam		1031 GRASS LAKE WAY	South Lake Tahoe	CA	96150
II	Private Users	Domestic		GORUM GREGORY E		3141 OAKLAND AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Greg Dimitriou		2389 St Ashley Place	Walnut Creek	CA	94598
II	Private Users	Domestic		HENRY BLAIR P R TR		1721 SAWMILL RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Higdon, kera		3359 PIONEER TRL	South Lake Tahoe	CA	96150
II	Private Users	Domestic		HOLT DAYSIE R		1032 GRASS LAKE WAY	South Lake Tahoe	CA	96150
II	Private Users	Domestic		HONNOLD ALEXANDER		3928 CEDAR AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		HORNBERGER JOHN CARL TR		960 LAKE RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		HORST JOHN		3625 SPRUCE AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Hotencia Hernandez		3663 FOREST AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		IKEMIRE ELIZABETH A SUC TR		3901 AZURE AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		JACOBSON DEBORAH T TR		3711 SOUTH UPPER TRUCKEE	South Lake Tahoe	CA	96150

South Tahoe Public Utility District
El Dorado Water Agency
Alternative Plan-
TVS Subbasin (6-005.01)
Stakeholders List

TYPE	CATEGORY	GROUP	AGENCY	CONTACT	TITLE	ADDRESS	ADDRESS_CITY	STATE	P
II	Private Users	Domestic		Janet Liolios		3878 Pine Road	South Lake Tahoe	CA	96150
II	Private Users	Domestic		JENSEN Nick		1228 HEATHER LAKE RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Jeri Riccobuono		1068 MARJORIE ST, #1	South Lake Tahoe	CA	96150
II	Private Users	Domestic		JOHNSON WILLIAM V D SURV TR		1079 BLUE LAKE AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Jon Corley		859 US Highway 395 N,	Gardnerville	NV	89410
II	Private Users	Domestic		JOSEPHY CLAYTON PETER		3740 GRASS LAKE RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Josh Sharon		3598 SPRUCE AVE, A	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Julianne Rumsey		3867 AZURE AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		KARNAN FAITH L TR		3745 BEACH RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		KENNEDY JANET TR		1111 LONG VALLEY AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		KOSTECKI DONALD M		3514 MEMORY LN	South Lake Tahoe	CA	96150
II	Private Users	Domestic		KUNS RICHARD N		3780 ASPEN AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Lakota Wright		1096 HERBERT AVE, #5	South Lake Tahoe	CA	96150
II	Private Users	Domestic		LAUGHRIDGE RICHARD W		1246 HEATHER LAKE RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Lee Setterquist		PO BOX 307	South Lake Tahoe	CA	96150
II	Private Users	Domestic		LOZANO JOHN		3089 FRESNO AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		MAC MICHAEL JEANINE MARIE		3577 VandaLee	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Martha viola		3868 Pine Road	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Martin Radekin		3719 S Upper Truckee Rd	South Lake Tahoe	CA	96150
II	Private Users	Domestic		MCCALL MARY A TR		1023 JOHNSON BLVD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		MCCLURE DAVID A		1323 WILDWOOD AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		MCCLURG ROBERT J		3804 MEADOW RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		MENDONCA MICHAEL J		3804 ALDER AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		MIKKELSEN Tyler		2359 INCLINE RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		MOSBACHER MARIE LOUISE		3654 GRASS LAKE RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Patrice jepsen					
II	Private Users	Domestic		PATRON EDITH		917 MERCED AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		PERELMAN JOAN BUGBEE TR		3907 AZURE AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		RALPH GARDNER		3508 MEMORY LN	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Phil Rancatori		1234 MELBA DR., #14	South Lake Tahoe	CA	96150
II	Private Users	Domestic		PHILIP Cantuay		1254 HEATHER LAKE RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Richard TAMAGNI		3671 ASPEN AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		RICHARDS LACHLAN M TR		3071 JAMESON BEACH RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		robbie		3051 JAMESON BEACH RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		rose knutson		3107 JAMESON BEACH RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		RUMSEY JULIANNE H TR		3880 AZURE AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		RUTLEDGE CRAIG D		953 TALLAC AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		SCHELL SUSAN Jhu		970 LOS ANGELES AVE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		SCHLOEMERKEMPER NINA		3747 SOUTH UPPER TRUCKEE	South Lake Tahoe	CA	96150

South Tahoe Public Utility District
El Dorado Water Agency
Alternative Plan-
TVS Subbasin (6-005.01)
Stakeholders List

TYPE	CATEGORY	GROUP	AGENCY	CONTACT	TITLE	ADDRESS	ADDRESS_CITY	STATE	P
II	Private Users	Domestic		Sharon Speck		868 Oak Brook Drive	Vacaville	CA	95687
II	Private Users	Domestic		STEINMETZ ALLISON H		2854 BLITZEN RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Stephanie Coats		1224 HEATHER LAKE RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Stephanie Mel		3851 Beach Road, South Lake	South Lake Tahoe	CA	96150
II	Private Users	Domestic		STEVE BUTTLING		3737 SOUTH UPPER TRUCKEE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Susan Sheehan		1470 SAWMILL RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		Suzanne Froese		777 Merced	South Lake Tahoe	CA	96150
II	Private Users	Domestic		TAHOE MEADOWS INC		3923 BEACH RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		the troutmans		3762 MEADOW RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		THOMAS ETTA H TR		9533 Batey Avenue	Elk Grove	CA	95624
II	Private Users	Domestic		U S A FOREST SERVICE		2384 RAINBOW RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		U S A FOREST SERVICE		2858 SOUTH UPPER TRUCKEE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		U S A FOREST SERVICE		2334 RAINBOW RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		U S A FOREST SERVICE		2195 RAINBOW RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		U S A FOREST SERVICE		2282 RAINBOW RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		U S A FOREST SERVICE		2940 SOUTH UPPER TRUCKEE	South Lake Tahoe	CA	96150
II	Private Users	Domestic		U S A FOREST SERVICE		2318 RAINBOW RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		WALLS GREGORY A TR		3574 MEMORY LN	South Lake Tahoe	CA	96150
II	Private Users	Domestic		WALTERS MICHAEL S		3347 CAPE HORN RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		WATANABE ALLAN		3027 JAMESON BEACH RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		WEIDER B.		3983 BEACH RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		YBANEZ FAITH G		3890 PIONEER TRL	South Lake Tahoe	CA	96150
II	Private Users	Domestic		ZAIGER CHERYL TR		3685 GRASS LAKE RD	South Lake Tahoe	CA	96150
II	Private Users	Domestic		John Raleigh		1923 MARCONI WAY	SOUTH LAKE TAHOE	CA	96150
II	Private Users	Domestic		Peter Van Peborgh		PO BOX 787	KINGS BEACH	CA	96143-0787
II	Private Users	Domestic		Sheldon Kaphan		1629 9TH AVENUE WEST	SEATTLE	WA	98119
II	Private Users	Domestic		Steve Cushman		4722 BUCKBOARD WY	RICHMOND	CA	94803
II	Private Users	Domestic		Erin Craig		6112 MANORFIELD DR	HUNTINGTON BEACH	CA	92648-1065
II	Private Users	Domestic		Brian beddell SPE Phase 2 LLC	BEDDELL SPE PHASE 2 L	110 HIDDEN DR	SCOTTS VALLEY	CA	95066
II	Private Users	Domestic		AMERICAN LEGION TAHOE RESORT	AMERICAN LEGION TAH	PO BOX 1279	HAYFORK	CA	96041
II	Private Users	Domestic		Mark Bitzer		139 BACON CT	LAFAYETTE	CA	94549-6234
II	Private Users	Domestic		Diane Wilson		PO BOX 686	ROSEVILLE	CA	95661
II	Private Users	Domestic		Gail Lowery		151 EL CAMINO REAL	BERKELEY	CA	94705
II	Private Users	Domestic		Tom McManus		6160 ACACIA AVE	OAKLAND	CA	94618
II	Private Users	Domestic		Gail Harrison		2830 SANTA CLARA ST	RICHMOND	CA	94804-5928
II	Private Users	Domestic		Charles Lewis		17710 N BRUELLA RD	LODI	CA	95240-9307
II	Private Users	Domestic		Megan Gallagher		1190 BONANZA AVE	SOUTH LAKE TAHOE	CA	96150-3625
II	Private Users	Domestic		Doug Zimmerman		851 JACKS VALLEY RD	CARSON CITY	NV	89705-6922
II	Private Users	Domestic		Mehrzad Pakpour		2412 WALNUT BLVD	WALNUT CREEK	CA	94597-3837

South Tahoe Public Utility District
El Dorado Water Agency
Alternative Plan-
TVS Subbasin (6-005.01)
Stakeholders List

TYPE	CATEGORY	GROUP	AGENCY	CONTACT	TITLE	ADDRESS	ADDRESS_CITY	STATE	P
II	Private Users	Domestic		Robert Bradley		100 LAUAREL PL	SAN RAFAEL	CA	94901
II	Private Users	Domestic		Evan & Candice Williams	EVAN'S AMERICAN GO	PO BOX 7724	SOUTH LAKE TAHOE	CA	96158-0724
II	Private Users	Domestic		Broche Family Trust	BROCHE FAMILY TRUST	PO BOX 6120	STATELINE	NV	89449
II	Private Users	Domestic		Michael & Beth Formanek		5327 E MITCHELL DR	PHOENIX	AZ	85018
II	Private Users	Domestic		Jose Bravo		18548 PASEO LADO	SARATOGA	CA	95070
II	Private Users	Domestic		Judith Uphold		625 GOULD TER	HERMOSA BEACH	CA	90254-2240
II	Private Users	Domestic		Suzanne Capella		4015 MAGNOLIA AVE	PETALUMA	CA	94952
II	Private Users	Domestic		Monte & Sylvia Nance		107 WINDOSR PALMS DR	WINDSOR	CA	95492
II	Private Users	Domestic		Douglas Calkin		1516 ALLYN AVE	SAINT HELENA	CA	94574-1817
II	Private Users	Domestic		Brian & Jane Veit		1798 GREAT HWY 5	SAN FRANCISCO	CA	94122
II	Private Users	Domestic		Clint		P.O. BOX 1336	ZEPHYR COVE	NV	89448
II	Private Users	Domestic		Mrs. Theodor Devries		1958 ROCKVILLE RD	FAIRFIELD	CA	94534-1415
II	Private Users	Domestic		Alfred Schmidt		720 HAYNE RD	HILLSBOROUGH	CA	94010-7034
II	Private Users	Domestic		James Tucker		5041 TWO PINE COURT	SHINGLE SPRINGS	CA	95682
II	Private Users	Domestic		Anne Luerken		3964 MEADOW RD	SOUTH LAKE TAHOE	CA	96150-8926
II	Private Users	Domestic		Sheila McCune		1200 LAKESHORE AVE APT# 4	OAKLAND	CA	94606
II	Private Users	Domestic		Susie Paulson		PO BOX 17573	SOUTH LAKE TAHOE	CA	96151-7573
II	Private Users	Domestic		Scott & Tamar Rubinstein		9437 N. HAMLIN AVE	EVANSTON	IL	60203
II	Private Users	Domestic		Barbara Eldred REV Trust	ELDRED REV TRUST	222 HIGHLAND CT	SANTA CRUZ	CA	95060-2011
II	Private Users	Domestic		James McCarty		1775 E PALM CANYON DR ST	PALM SPRINGS	CA	92264
II	Private Users	Domestic		Barbara & John Griener					
II	Private Users	Domestic		Hana Callaghan		1410 BRIGHT OAKS CT	LOS ALTOS	CA	94024-6132
II	Private Users	Domestic		Theresa Giosso		1925 BRITTAN AVE	SAN CARLOS	CA	94070-3711
II	Private Users	Domestic		Janet Tashima & Asset Preservation INC	ASSET PRESERVATION INC	3675 WILLIAMS ROAD # 2	SAN JOSE	CA	95117
II	Private Users	Domestic		Louie Pandolfo		214 AZALEA LN	SAN RAMON	CA	94582
II	Private Users	Domestic		John Sgouros		19525 STANTON AVE	CASTRO VALLEY	CA	94546-3234
II	Private Users	Schools	District	Marc Hage	Facilities Supervisor	1021 Al Tahoe Blvd.	South Lake Tahoe	CA	96150
II	Urban Users	Community Water Systems	Company	Nakia Foskett	Manager	4077 Pine Avenue	South Lake Tahoe	CA	96150
II	Urban Users	Community Water Systems	Company	Jennifer Lukins	Vice President	2013 West Way	South Lake Tahoe	CA	96150
II	Urban Users	Community Water Systems	District	Bradley A. Johnson, P.E.	General Manager	PO Box 139	Tahoe Vista	CA	96148
II	Urban Users	Community Water Systems	District	Sean Barclay	General Manager	PO Box 5249	Tahoe City	CA	96145
II	Urban Users	Community Water Systems	Tahoe Keys Water Company	Daniel Larson	Manager	356 Ala Wai Blvd	South Lake Tahoe	CA	96150-3315
III	Development	Chamber of Commerce	Commerce	Amanda M. Adams	President	PO Box 7695	South Lake Tahoe	CA	96158
III	Development	Chamber of Commerce	Tahoe Chamber of Commerce	Steve Teshara	Chief Executive Officer	PO Box 17181	Stateline	NV	96151
III	Environmental and Ecosystems	County Agency	El Dorado County Environmental Management Division	Greg Stanton	Department Head	2850 Fairlane Court, Building C	Placerville	CA	95667

South Tahoe Public Utility District
El Dorado Water Agency
Alternative Plan-
TVS Subbasin (6-005.01)
Stakeholders List

TYPE	CATEGORY	GROUP	AGENCY	CONTACT	TITLE	ADDRESS	ADDRESS_CITY	STATE	P
III	Environmental and Ecosystems	County Agency	El Dorado County Environmental Management Division	Jeffrey Warren	Environmental Health Program Manager	924-B Emerald Bay Road	South Lake Tahoe	CA	96150
III	Environmental and Ecosystems	County Agency	El Dorado County Environmental Management Division	Karen Bender	Supervising Environmental Health Specialist	924-B Emerald Bay Road	South Lake Tahoe	CA	96151
III	Environmental and Ecosystems	Environmental Group	League to Save Lake Tahoe	Darcie Goodman Collins, PhD	Chief Executive Officer	2608 Lake Tahoe Boulevard	South Lake Tahoe	CA	96150
III	Environmental and Ecosystems	Environmental Group	Sierra Nevada Alliance	Jenny Hatch	Executive Director	PO Box 7989	South Lake Tahoe	CA	96158
III	Environmental and Ecosystems	Environmental Group	Sierra Nevada Conservancy	Angela Avery	Executive officer	11521 Blocker Drive, Suite 205	Auburn	CA	95603
III	Ecosystems	Environmental Group	Sierra Nevada Conservancy	Chris Dallas	Representative	205	Auburn	CA	95603
III	Ecosystems	Environmental Group	Tahoe Area Sierra Club	Carolyn Willette	Group Chair	PO Box 16936	South Lake Tahoe	CA	96151
III	Ecosystems	Environmental Group	District	Nicole Cartwright	Executive Director	Suite 108	South Lake Tahoe	CA	96150
III	Environmental and Ecosystems	State Agency	California Department of Fish & Wildlife	Bridget Gibbons	SGMA Liaison - North Ca	1701 Nimbus Road	Rancho Cordova	CA	95670
III	Environmental and Ecosystems	State Agency	Department of Water Resources	Margaret Janes	SGMA Point of Contact North Central Region	3500 Industrial Blvd	West Sacramento	CA	95691
III	Environmental and Ecosystems	State Agency	Lahontan Regional Water Quality Control Board	Mike Plaziak	Executive Officer	2501 Lake Tahoe Blvd.	South Lake Tahoe	CA	96150
III	Environmental and Ecosystems	State Agency	Lahontan Regional Water Quality Control Board	Scott Ferguson	Supervising Water Resources Control Engineer	2501 Lake Tahoe Blvd.	South Lake Tahoe	CA	96150
III	Federal & State Lands	Federal Agency	Bureau of Land Management	Ken Collum	Acting District Manager	5655 Morgan Mill Road	Carson City	NV	89701
III	Federal & State Lands	Federal Agency	Bureau of Land Management	Greg Hewlseth	Acting Sierra Front Field Manager	5655 Morgan Mill Road	Carson City	NV	89701
III	General Public	Community Leader	Barton Hospital		Emergency Management	PO Box 9578	South Lake Tahoe	CA	96150
III	Integrated Water Management	Regional Water Management	El Dorado Water Agency	Ken Payne	General Manager	4330 Golden Center Drive, Suite C	Placerville	CA	95667
III	Integrated Water Management	Regional Water Management	Lahontan Regional Water Quality Control Board	Ed Hancock	Basin Plan Program, Project Lead	2501 Lake Tahoe Blvd.	South Lake Tahoe	CA	96150
III	Integrated Water Management	Regional Water Management	Tahoe Sierra-IRWMP	Lynn Nolan	Grants Coordinator	1275 Meadow Crest Drive	South Lake Tahoe	CA	96150
III	Tribes	Tribal Government	Washoe Tribe	Serrell Smokey	Chairman	919 US Highway 395 N	Gardnerville	NV	89410
III	Tribes	Tribal Government	Washoe Tribe	Victoria	Executive Assistant	919 US Highway 395 N	Gardnerville	NV	89410
III	Tribes	Tribal Government	Washoe Tribe	Wendy Loomis	Economic Development Director	919 US Highway 395 N	Gardnerville	NV	89410



**NOTICE OF AVAILABILITY
ALTERNATIVE PLAN FOR THE TAHOE VALLEY SOUTH SUBBASIN (6-005.01)**

February 9, 2022

VIA U.S. MAIL AND E-MAIL – JIRVIN@CITYOFSLT.US; KIM.DAWSON@EDCGOV.US

Joe Irvin
City Manager
City of South Lake Tahoe
1901 Lisa Maloff Way
South Lake Tahoe, CA 96150

Kim Dawson
Clerk of the Board of Supervisors
El Dorado County
330 Fair Lane
Placerville, CA 95667

RE: Notice of Availability Draft Alternative Plan for Tahoe Valley South Subbasin (6-005.01)

Dear Mr. Irvin and Ms. Dawson,

The South Tahoe Public Utility District (District) and El Dorado County Water Agency (Water Agency), as the Groundwater Sustainability Agencies for the Tahoe Valley South Subbasin (Department of Water Resources (DWR) Basin No. 6-005.01) (TVS Subbasin) and as required by the Sustainable Groundwater Management Act (SGMA), are preparing a five-year update to the Alternative Plan for the TVS Subbasin. The District and the Water Agency are providing you this notice following the 90-day Notice to Cities and Counties Pursuant to Water Code Section 10728.4 sent to your agency in October 2021.

PLEASE TAKE NOTICE that the District, as plan manager, is publicly releasing a draft of the first five-year update of the Alternative Plan prepared for the TVS Subbasin on behalf of the District and Water Agency. The public comment period will commence on February 9, 2022 and conclude on March 11, 2022. A copy of the Notice of Availability for this document is provided as an attachment to this notice.

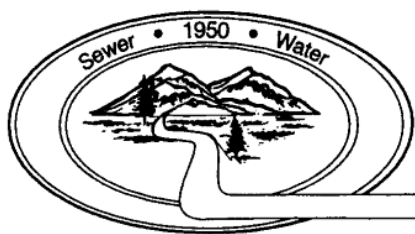
Pursuant to SGMA, once the draft Alternative Plan is publicly released, representatives of the District and Water Agency will be available to provide consultation with and receive comments on the Alternative Plan from your organization.

The draft Alternative Plan may be reviewed at the District and Water Agency websites upon release (<https://stpud.us/> and <https://www.edwateragency.org/>). Consultations may be arranged, or questions answered, by contacting Ivo Bergsohn, Plan Manager at ibergsohn@stpud.us or by phone at (530) 543-6204.

*South Tahoe Public Utility District
1275 Meadow Crest Drive, South Lake Tahoe, CA 96150
(530) 544-6474*

General Manager
John Thiel

Directors
Chris Cefalu
Shane Romsos
David Peterson
Kelly Sheehan
Nick Exline



South Tahoe Public Utility District

1275 Meadow Crest Drive • South Lake Tahoe • CA 96150-7401
Phone 530 544-6474 • Fax 530 541-0614 • www.stpud.us

NOTICE OF AVAILABILITY
South Tahoe Public Utility District
ALTERNATIVE PLAN for
TAHOE VALLEY SOUTH SUBBASIN (6-005.01)

This notice is provided by the South Tahoe Public Utility District (District), as the plan manager, to inform the public of a 30-day public comment period for the first five-year update of the draft Alternative Plan (Alternative Plan) prepared for the Tahoe Valley South Subbasin (6-005.01) (TVS Subbasin) on behalf of the District and the El Dorado County Water Agency. The public comment period will commence on February 9, 2022 and conclude on March 11, 2022. Public comments are solicited by this Notice of Availability and will be addressed in a summary of comments and responses appended to the final Alternative Plan. Public comments received after March 11, 2022, may not be included in the final Alternative. Public comments must be submitted in writing and mailed or emailed to:

Mail: South Tahoe Public Utility District Email: ibergsohn@stpud.dst.ca.us
Attention: I. Bergsohn, Plan Manager
1275 Meadow Crest Drive
South Lake Tahoe, CA 96150

The draft Alternative Plan is the first five-year update of the Alternative Plan which was previously approved as an alternative to a groundwater sustainability plan by the California Department of Water Resources for the TVS Subbasin. The draft Alternative Plan provides a physical description of the TVS Subbasin including groundwater use, groundwater conditions, historical, current, and projected groundwater budgets, groundwater-surface water interactions and assessments of potential overdraft issues, climate change impacts and characterization of undesirable results. The draft Alternative Plan concludes with an implementation plan presenting on-going, short-term, and long-term ground water management activities for the sustainable management of groundwater resources within the TVS Subbasin.

Due to the current COVID-19 public health emergency, the draft Alternative Plan is available for public review from the Groundwater Management Plan page of the District's web site (<https://stpud.us/news/groundwater-management-plan/>) or from the Water Agency Newsroom page of the El Dorado County Water Agency website (<https://www.edwateragency.org/Pages/Water-Agency-Newsroom.aspx>).

For additional information, please contact Ivo Bergsohn at (530) 543-6204 or email ibergsohn@stpud.us.



**NOTICE OF AVAILABILITY
ALTERNATIVE PLAN FOR THE TAHOE VALLEY SOUTH SUBBASIN (6-005.01)**

February 9, 2022

VIA U.S. MAIL AND E-MAIL – JIRVIN@CITYOFSLT.US; KIM.DAWSON@EDCGOV.US

Joe Irvin
City Manager
City of South Lake Tahoe
1901 Lisa Maloff Way
South Lake Tahoe, CA 96150

Kim Dawson
Clerk of the Board of Supervisors
El Dorado County
330 Fair Lane
Placerville, CA 95667

RE: Notice of Availability Draft Alternative Plan for Tahoe Valley South Subbasin (6-005.01)

Dear Mr. Irvin and Ms. Dawson,

The South Tahoe Public Utility District (District) and El Dorado County Water Agency (Water Agency), as the Groundwater Sustainability Agencies for the Tahoe Valley South Subbasin (Department of Water Resources (DWR) Basin No. 6-005.01) (TVS Subbasin) and as required by the Sustainable Groundwater Management Act (SGMA), are preparing a five-year update to the Alternative Plan for the TVS Subbasin. The District and the Water Agency are providing you this notice following the 90-day Notice to Cities and Counties Pursuant to Water Code Section 10728.4 sent to your agency in October 2021.

PLEASE TAKE NOTICE that the District, as plan manager, is publicly releasing a draft of the first five-year update of the Alternative Plan prepared for the TVS Subbasin on behalf of the District and Water Agency. The public comment period will commence on February 9, 2022 and conclude on March 11, 2022. A copy of the Notice of Availability for this document is provided as an attachment to this notice.

Pursuant to SGMA, once the draft Alternative Plan is publicly released, representatives of the District and Water Agency will be available to provide consultation with and receive comments on the Alternative Plan from your organization.

The draft Alternative Plan may be reviewed at the District and Water Agency websites upon release (<https://stpuud.us/> and <https://www.edwateragency.org/>). Consultations may be arranged, or questions answered, by contacting Ivo Bergsohn, Plan Manager at ibergsohn@stpuud.us or by phone at (530) 543-6204.

Public Notices

- E-mail your public notice to legals@mt.com
- Be sure to include your name and phone number

transact business under the fictitious business name or names listed above on: 01/13/2022
 Signature of Registrant: /s/ Cheryl Forie
CHERYL FORIE, OWNER
 I declare that all information in this statement is true and correct. (A registrant who declares as true any material matter pursuant to Section 17913 of the Business and Professions Code that the registrant knows to be false is guilty of a misdemeanor punishable by a fine not to exceed one thousand dollars (\$1,000.00).) This statement filed with the county clerk of El Dorado County on 01/13/2022.

NOTICE-IN ACCORDANCE WITH SUBDIVISION (a) OF SECTION 17920, A FICTITIOUS NAME STATEMENT GENERALLY EXPIRES AT THE END OF FIVE YEARS FROM THE DATE ON WHICH IT WAS FILED IN THE OFFICE OF THE COUNTY CLERK, EXCEPT, AS PROVIDED IN SUBDIVISION (b) OF SECTION 17920, WHERE IT EXPIRES 40 DAYS AFTER ANY CHANGE IN THE FACTS SET FORTH IN THE STATEMENT PURSUANT TO SECTION 17913 OTHER THAN A CHANGE IN THE RESIDENCE ADDRESS OF A REGISTERED OWNER. A NEW FICTITIOUS BUSINESS NAME STATEMENT MUST BE FILED BEFORE THE EXPIRATION. THE FILING OF THIS STATEMENT DOES NOT OF ITSELF AUTHORIZE THE USE IN THIS STATE OF A FICTITIOUS BUSINESS NAME IN VIOLATION OF THE RIGHTS OF ANOTHER UNDER FEDERAL, STATE, OR COMMON LAW (see section 14411 ET SEQ., Business and Professions Code)
 2/4, 2/11, 2/18, 2/25 **9978**

FICTITIOUS BUSINESS NAME STATEMENT
FILE NO. FB2022-0072

The following person(s) is/are doing business as: **ANSYNC LABS**, located at 5090 Robert J Mathews Prkwy, El Dorado Hills, CA 95762
 Registered owner(s): **ANSYNC, INC.**, 5090 Robert J Mathews Prkwy, El Dorado Hills, CA 95762
 This business is conducted by a Corporation, State of Incorporation: CA
 The registrant commenced to transact business under the fictitious business name or names listed above on: 10/15/2021
 Signature of Registrant: /s/ Sam Miller
SAM MILLER, CEO
 I declare that all information in this statement is true and correct. (A registrant who declares

This business is conducted by a Corporation, State of Incorporation: CA
 The registrant commenced to transact business under the fictitious business name or names listed above on: 05/01/2012
 Signature of Registrant: /s/ Bhavinkumar Patel
BHAVINKUMAR PATEL, PRESIDENT
 I declare that all information in this statement is true and correct. (A registrant who declares as true any material matter pursuant to Section 17913 of the Business and Professions Code that the registrant knows to be false is guilty of a misdemeanor punishable by a fine not to exceed one thousand dollars (\$1,000.00).) This statement filed with the county clerk of El Dorado County on 01/19/2022.

NOTICE-IN ACCORDANCE WITH SUBDIVISION (a) OF SECTION 17920, A FICTITIOUS NAME STATEMENT GENERALLY EXPIRES AT THE END OF FIVE YEARS FROM THE DATE ON WHICH IT WAS FILED IN THE OFFICE OF THE COUNTY CLERK, EXCEPT, AS PROVIDED IN SUBDIVISION (b) OF SECTION 17920, WHERE IT EXPIRES 40 DAYS AFTER ANY CHANGE IN THE FACTS SET FORTH IN THE STATEMENT PURSUANT TO SECTION 17913 OTHER THAN A CHANGE IN THE RESIDENCE ADDRESS OF A REGISTERED OWNER. A NEW FICTITIOUS BUSINESS NAME STATEMENT MUST BE FILED BEFORE THE EXPIRATION. THE FILING OF THIS STATEMENT DOES NOT OF ITSELF AUTHORIZE THE USE IN THIS STATE OF A FICTITIOUS BUSINESS NAME IN VIOLATION OF THE RIGHTS OF ANOTHER UNDER FEDERAL, STATE, OR COMMON LAW (see section 14411 ET SEQ., Business and Professions Code)
 2/4, 2/11, 2/18, 2/25 **9981**

FICTITIOUS BUSINESS NAME STATEMENT
FILE NO. FB2022-0128

The following person(s) is/are doing business as: **LOTUS SALON & BOUTIQUE**, located at 1710 State Hwy 49 Suite 8, Lotus, CA 95651/
 Mailing Address: 1240 Stags Leap Rd, Placerville, CA 95667
 Registered owner(s): **Kasey R Hail**, 1240 Stags Leap Rd, Placerville, CA 95667
 This business is conducted by an Individual.
 The registrant commenced to transact business under the fictitious business name or names listed above on: 1/30/22
 Signature of Registrant: /s/ Kasey Hail
KASEY HAIL, OWNER

Notice (form DE-154) of the filing of an inventory and appraisal of estate assets or of any petition or account as provided in Probate Code section 1250. A Request for Special Notice form is available from the court clerk.
PETER S. STERN
 Law Office of Peter S. Stern
 350 Cambridge Avenue, Suite 130
 Palo Alto, CA 94306
 (650) 326-2282
 2/4, 2/11, 2/18 **9983**

NOTICE OF AVAILABILITY

South Tahoe Public Utility District ALTERNATIVE PLAN for TAHOE VALLEY SOUTH SUBBASIN (6-005.01)

This notice is provided by the South Tahoe Public Utility District (District), as the plan manager, to inform the public of a 30-day public comment period for the first five-year update of the draft Alternative Plan (Alternative Plan) prepared for the Tahoe Valley South Subbasin (6-005.01) (TVS Subbasin) on behalf of the District and the El Dorado County Water Agency. The public comment period will commence on February 9, 2022 and conclude on March 11, 2022. Public comments are solicited by this Notice of Availability and will be addressed in a summary of comments and responses appended to the final Alternative Plan. Public comments received after March 11, 2022, may not be included in the final Alternative. Public comments must be submitted in writing and mailed or emailed to:

Mail:
 South Tahoe Public Utility District
 Attention: I. Bergsohn,
 Plan Manager
 1275 Meadow Crest Drive
 South Lake Tahoe, CA 96150
 Email:
ibergsohn@stpd.dst.ca.us

The draft Alternative Plan is the first five-year update of the Alternative Plan which was previously approved as an alternative to a groundwater sustainability plan by the California Department of Water Resources for the TVS Subbasin. The draft Alternative Plan provides a physical description of the TVS Subbasin including groundwater use, groundwater conditions, historical, current, and projected groundwater budgets, groundwater-surface water interactions and assessments of potential overdraft issues, climate change impacts and characterization of undesirable results. The draft Alternative Plan concludes with an implementation plan presenting on-going, short-term, and long-term groundwater management activities for the sustainable management of groundwater resources within the

property. You should also be aware that the lien being auctioned off may be a junior lien. If you are the highest bidder at the auction, you are or may be responsible for paying off all liens senior to the lien being auctioned off, before you can receive clear title to the property. You are encouraged to investigate the existence, priority, and size of outstanding liens that may exist on this property by contacting the county recorder's office or a title insurance company, either of which may charge you a fee for this information. If you consult either of these resources, you should be aware that the same lender may hold more than one mortgage or deed of trust on the property. **NOTICE TO PROPERTY OWNER:** The sale date shown on this notice of sale may be postponed one or more times by the mortgagee, beneficiary, trustee, or a court, pursuant to Section 2924g of the California Civil Code. The law requires that information about trustee sale postponements be made available to you and to the public, as a courtesy to those not present at the sale. If you wish to learn whether your sale date has been postponed, and, if applicable, the rescheduled time and date for the sale of this property, you may call 833-561-0243 for information regarding the trustee's sale or visit this Internet Web site WWW.SALES.BDFGROUP.COM for information regarding the sale of this property, using the file number assigned to this case 00000008241473. Information about postponements that are very short in duration or that occur close in time to the scheduled sale may not immediately be reflected in the telephone information or on the Internet Web site. The best way to verify postponement information is to attend the scheduled sale. **NOTICE TO TENANT:** You may have a right to purchase this property after the trustee auction pursuant to Section 2924m of the California Civil Code. If you are an "eligible tenant buyer," you can purchase the property if you match the last and highest bid placed at the trustee auction. If you are an "eligible bidder", you may be able to purchase the property if you exceed the last and highest bid placed at the trustee auction. There are three steps to exercising this right of purchase. First, 48 hours after the date of the trustee sale, you can call 833-561-0243, or visit this internet website WWW.SALES.BDFGROUP.COM using the file number assigned to this case 00000008241473 to find the date on which the trustee's sale was held, the amount of the last and highest bid, and the address of the trustee. Second, you must send a written notice of intent to place a bid so that the trustee receives it no more

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FRIDAY, FEB 4 2022

transact business under the fictitious business name or names listed above on: 01/13/2022
 Signature of Registrant: /s/ Cheryl Rorie
CHERYL RORIE, OWNER
 I declare that all information in this statement is true and correct. (A registrant who declares as true any material matter pursuant to Section 17913 of the Business and Professions Code that the registrant knows to be false is guilty of a misdemeanor punishable by a fine not to exceed one thousand dollars (\$1,000.00).) This statement filed with the county clerk of El Dorado County on 01/13/2022.
 NOTICE IN ACCORDANCE WITH SUBDIVISION (a) OF SECTION 17920, A FICTITIOUS NAME STATEMENT GENERALLY EXPIRES AT THE END OF FIVE YEARS FROM THE DATE ON WHICH IT WAS FILED IN THE OFFICE OF THE COUNTY CLERK, EXCEPT, AS PROVIDED IN SUBDIVISION (b) OF SECTION 17920, WHERE IT EXPIRES 40 DAYS AFTER ANY CHANGE IN THE FACTS SET FORTH IN THE STATEMENT PURSUANT TO SECTION 17913 OTHER THAN A CHANGE IN THE RESIDENCE ADDRESS OF A REGISTERED OWNER. A NEW FICTITIOUS BUSINESS NAME STATEMENT MUST BE FILED BEFORE THE EXPIRATION. THE FILING OF THIS STATEMENT DOES NOT OF ITSELF AUTHORIZE THE USE IN THIS STATE OF A FICTITIOUS BUSINESS NAME IN VIOLATION OF THE RIGHTS OF ANOTHER UNDER FEDERAL, STATE, OR COMMON LAW (see section 14411 ET SEQ., Business and Professions Code) 2/4, 2/11, 2/18, 2/25 9978

FICTITIOUS BUSINESS NAME STATEMENT
 FILE NO. FB2022-0072

The following person(s) is/are doing business as: **ANSYNC LABS**, located at 5090 Robert J Mathews Hwy, El Dorado Hills, CA 95762
 Registered owner(s): **ANSYNC, INC.**, 5090 Robert J Mathews Prkwy, El Dorado Hills, CA 95762
 This business is conducted by a Corporation, State of Incorporation: CA
 The registrant commenced to transact business under the fictitious business name or names listed above on: 10/15/2021
 Signature of Registrant: /s/ Sam Miller
SAM MILLER, CEO
 I declare that all information in this statement is true and correct. (A registrant who declares as true any material matter pursuant to Section 17913 of the Business and Professions Code that the registrant knows to be false is guilty of a misdemeanor punishable by a fine not to exceed one thousand dollars (\$1,000.00).) This statement filed with the county clerk of El Dorado County on 01/18/2022.
 NOTICE IN ACCORDANCE WITH SUBDIVISION (a) OF SECTION 17920, A FICTITIOUS NAME STATEMENT GENERALLY EXPIRES AT THE END OF FIVE YEARS FROM THE DATE ON WHICH IT WAS FILED IN THE OFFICE OF THE COUNTY CLERK, EXCEPT, AS PROVIDED IN SUBDIVISION (b) OF SECTION 17920, WHERE IT EXPIRES 40 DAYS AFTER ANY CHANGE IN THE FACTS SET FORTH IN THE STATEMENT PURSUANT TO SECTION 17913 OTHER THAN A CHANGE IN THE RESIDENCE ADDRESS OF A REGISTERED OWNER. A NEW

This business is conducted by a Corporation, State of Incorporation: CA
 The registrant commenced to transact business under the fictitious business name or names listed above on: 05/01/2012
 Signature of Registrant: /s/ Bhavinkumar Patel
BHAVINKUMAR PATEL, PRESIDENT
 I declare that all information in this statement is true and correct. (A registrant who declares as true any material matter pursuant to Section 17913 of the Business and Professions Code that the registrant knows to be false is guilty of a misdemeanor punishable by a fine not to exceed one thousand dollars (\$1,000.00).) This statement filed with the county clerk of El Dorado County on 01/19/2022.
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 Registered owner(s): **Kasey R Hail**, 1240 Stags Leap Rd, Placerville, CA 95667
 This business is conducted by an Individual.
 The registrant commenced to transact business under the fictitious business name or names listed above on: 1/30/22
 Signature of Registrant: /s/ Kasey Hail
KASEY HAIL, OWNER
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Notice (form DE-154) of the filing of an inventory and appraisal of estate assets or of any petition or account as provided in Probate Code section 1250. A Request for Special Notice form is available from the court clerk. Attorney for Petitioner: **PETER S. STERN**
 Law Office of Peter S. Stern
 350 Cambridge Avenue, Suite 130
 Palo Alto, CA 94306
 (650) 326-2282
 2/4, 2/11, 2/18 9983

NOTICE OF AVAILABILITY
South Tahoe Public Utility District ALTERNATIVE PLAN for TAHOE VALLEY SOUTH SUBBASIN (6-005.01)

This notice is provided by the South Tahoe Public Utility District (District), as the plan manager, to inform the public of a 30-day public comment period for the first five-year update of the draft Alternative Plan (Alternative Plan) prepared for the Tahoe Valley South Subbasin (6-005.01) (TVS Subbasin) on behalf of the District and the El Dorado County Water Agency. The public comment period will commence on February 9, 2022, and conclude on March 11, 2022. Public comments are solicited by this Notice of Availability and will be addressed in a summary of comments and responses appended to the final Alternative Plan. Public comments received after March 11, 2022, may not be included in the final Alternative. Public comments must be submitted in writing and mailed or emailed to:

Mail: South Tahoe Public Utility District
 Attention: I Bergsohn,
 Plan Manager
 1275 Meadow Crest Drive
 South Lake Tahoe, CA 96150
 Email: ibergsohn@stpuud.dst.ca.us

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NOTICE OF TRUSTEE'S SALE
 TRUSTEE SALE NO. : 00000008241473
 TITLE ORDER NO.: 190735429
 FHA/VA/PMI NO.: 049-0250320-708-0288

property. You should also be aware that the lien being auctioned off may be a junior lien. If you are the highest bidder at the auction, you are or may be responsible for paying off all liens senior to the lien being auctioned off, before you can receive clear title to the property. You are encouraged to investigate the existence, priority, and size of outstanding liens that may exist on this property by contacting the county recorder's office or a title insurance company, either of which may charge you a fee for this information. If you consult either of these resources, you should be aware that the same lender may hold more than one mortgage or deed of trust on the property. NOTICE TO PROPERTY OWNER: The sale date shown on this notice of sale may be postponed one or more times by the mortgagee, beneficiary, trustee, or a court, pursuant to Section 2924g of the California Civil Code. The law requires that information about trustee sale postponements be made available to you and to the public, as a courtesy to those not present at the sale. If you wish to learn whether your sale date has been postponed, and, if applicable, the rescheduled time and date for the sale of this property, you may call 833-561-0243 for information regarding the trustee's sale or visit this Internet Web site WWW.SALES.BDFGROUP.COM for information regarding the sale of this property, using the file number assigned to this case 00000008241473. Information about postponements that are very short in duration or that occur close in time to the scheduled sale may not immediately be reflected in the telephone information or on the Internet Web site. The best way to verify postponement information is to attend the scheduled sale. NOTICE TO TENANT: You may have a right to purchase this property after the trustee auction pursuant to Section 2924m of the California Civil Code. If you are an "eligible tenant buyer," you can purchase the property if you match the last and highest bid placed at the trustee auction. If you are an "eligible bidder," you may be able to purchase the property if you exceed the last and highest bid placed at the trustee auction. There are three steps to exercising this right of purchase. First, 48 hours after the date of the trustee sale, you can call 833-561-0243, or visit this internet website WWW.SALES.BDFGROUP.COM using the file number assigned to this case 00000008241473 to find the date on which the trustee's sale was held, the amount of the last and highest bid, and the address of the trustee. Second, you must send a written notice of intent to place a bid so that the trustee receives it no more than 15 days after the trustee's sale. Third, you must submit a bid so that the trustee receives it no more than 45 days after the trustee's sale. If you think you may qualify as an "eligible tenant buyer" or "eligible bidder," you should consider contacting an attorney or appropriate real estate professional immediately for advice regarding this potential right to purchase. FOR TRUSTEE SALE INFORMATION PLEASE CALL: 833-561-0243 WWW.SALES.BDFGROUP.COM BARRETT DAFFIN FRAPPIER TREDER and WEISS, LLP IS ACTING AS A DEBT COLLECTOR ATTEMPTING TO COLLECT A DEBT. ANY INFORMATION OBTAINED WILL BE USED FOR THAT PURPOSE. BARRETT DAFFIN FRAPPIER TREDER and WEISS, LLP as Trustee 3990 E. Concours Street, Suite 350 Ontario, CA 91764(866) 795-1852 Dated: 01/27/2022A-4740928 02/04/2022, 02/11/2022.

by a state or federal association, savings bank sp 5102 of the California and authorized in California, or otherwise may be acceptable the event tender accepted, the Trustee's issuance of the Upon Sale until available to the public as a matter of right offered for sale or held on account receiver, if applicable, unable to convey the successful remedy of monies paid to the successful bidder further recourse. Bidders If you bidding on this should understand risks involved in a auction. You will be not on the property the highest bid at does not automatically free and clear property. You should that the lien being be a junior lien. If you bidder at the auction be responsible for senior to the lien before you can receive the property. You to investigate the and size of outstanding monies exist on the office or a title insurance either of which may for this information either of these resc be aware that the hold more than a Deed of Trust on this to Property Owner shown on this Notice be postponed one the Mortgagee, Beneficiary, or a court, pursuant to 2924g of the California Civil Code. The law requires that information about Trustee Sale be made available to the public, as a courtesy to those not present at the sale. If you wish to learn whether your sale date has been postponed, and, if applicable, the rescheduled date for the sale, you may call Nat & Publication at 833-561-0243 for information regarding the sale of this property or visit the address www.sales.bdfgroup.com for information regarding the sale of this property using the file number assigned to this case 00000008241473. Information about postponements that are very short in duration or that occur close in time to the scheduled sale may not immediately be reflected in the telephone information or on the Internet Website. The best way to verify postponement information is to attend the scheduled sale. NOTICE TO TENANT: You may have a right to purchase this property after the trustee auction pursuant to Section 2924m of the California Civil Code. If you are an "eligible tenant buyer," you can purchase the property if you match the last and highest bid placed at the trustee auction. If you are an "eligible bidder," you may be able to purchase the property if you exceed the last and highest bid placed at the trustee auction. There are three steps to exercising this right of purchase. First, 48 hours after the date of the trustee sale, you can call 833-561-0243, or visit this internet website WWW.SALES.BDFGROUP.COM using the file number assigned to this case 00000008241473 to find the date on which the trustee's sale was held, the amount of the last and highest bid, and the address of the trustee. Second, you must send a written notice of intent to place a bid so that the trustee receives it no more than 15 days after the trustee's sale. Third, you must submit a bid so that the trustee receives it no more than 45 days after the trustee's sale. If you think you may qualify as an "eligible tenant buyer" or "eligible bidder," you should consider contacting an attorney or appropriate real estate professional immediately for advice regarding this potential right to purchase. FOR TRUSTEE SALE INFORMATION PLEASE CALL: 833-561-0243 WWW.SALES.BDFGROUP.COM BARRETT DAFFIN FRAPPIER TREDER and WEISS, LLP as Trustee 3990 E. Concours Street, Suite 350 Ontario, CA 91764(866) 795-1852 Dated: 01/27/2022A-4740928 02/04/2022, 02/11/2022.

Public Notices

• E-mail your public notice to legals@mtdemocrat.net
• Be sure to include your name and phone number

California, or other such funds as may be acceptable to the Trustee. In the event tender other than cash is accepted, the Trustee may withhold the issuance of the Trustee's Deed Upon Sale until funds become available to the payee or endorsee as a matter of right. The property offered for sale excludes all funds held on account by the property receiver, if applicable. If the Trustee is unable to convey title for any reason, the successful bidder's sole and exclusive remedy shall be the return of monies paid to the Trustee and the successful bidder shall have no further recourse. Notice to Potential Bidders If you are considering bidding on this property, you should understand that there are risks involved in bidding at a Trustee auction. You will be bidding on a lien, not on the property itself. Placing the highest bid at a Trustee auction does not automatically entitle you to free and clear ownership of the property. You should also be aware that the lien being auctioned off may be a junior lien. If you are the highest bidder at the auction, you are or may be responsible for paying off all liens senior to the lien being auctioned off, before you can receive clear title to the property. You are encouraged to investigate the existence, priority, and size of outstanding liens that may exist on this property by contacting the county recorder's office or a title insurance company, either of which may charge you a fee for this information. If you consult either of these resources, you should be aware that the same Lender may hold more than one mortgage or Deed of Trust on the property. Notice to Property Owner The sale date shown on this Notice of Sale may be postponed one or more times by the Mortgagee, Beneficiary, Trustee, or a court, pursuant to Section 2924g of the California Civil Code. The law requires that information about Trustee Sale postponements be made available to you and to the public, as a courtesy to those not present at the sale. If you wish to learn whether your sale date has been postponed, and, if applicable, the rescheduled time and date for the sale of this property, you may call Auction.com at 800.280.2832 for information regarding the Trustee's Sale, or visit the Internet Website address www.Auction.com for information regarding the sale of this property using the

A PETITION for Probate has been filed by JENNIFER L. KLEPPE in the Superior Court of California, County of El Dorado. THE PETITION for probate requests that JENNIFER L. KLEPPE be appointed as personal representative to administer the estate of the decedent. THE PETITION requests authority to administer the estate under the Independent Administration of Estates Act. (This authority will allow the personal representative to take many actions without obtaining court approval. Before taking certain very important actions, however, the personal representative will be required to give notice to interested persons unless they have waived notice or consented to the proposed action.) The independent administration authority will be granted unless an interested person files an objection to the petition and shows good cause why the court should not grant the authority. A hearing on the petition will be held in this court as follows: March 23, 2022 at 8:30 a.m. in Dept. 8 at 295 Fair Lane, Placerville, CA 95667. IF YOU OBJECT to the granting of the petition, you should appear at the hearing and state your objections or file written objections with the court before the hearing. Your appearance will be in person or by your attorney. IF YOU ARE A CREDITOR or a contingent creditor of the decedent, you must file your claim with the court within the later of either (1) four months from the date of first issuance of letters to a general personal representative, as defined in section 58(b) of the California Probate Code, or (2) 60 days from the date of mailing or personal delivery to you of a notice under section 9052 of the California Probate Code. Other California statutes and legal authority may affect your rights as a creditor. You may want to consult with an attorney knowledgeable in California law. YOU MAY EXAMINE the file kept by the court, if you are a person interested in the estate, you may file with the court a Request for Special Notice (form DE-154) of the filing of an inventory and appraisal of estate assets or of any petition or account as provided in Probate Code section 1250. A Request for Special Notice form is available from the court clerk.

THE FILING OF THIS STATEMENT DOES NOT OF ITSELF AUTHORIZE THE USE IN THIS STATE OF A FICTITIOUS BUSINESS NAME IN VIOLATION OF THE RIGHTS OF ANOTHER UNDER FEDERAL, STATE, OR COMMON LAW (see section 14411 ET SEQ., Business and Professions Code) 9878

FICTITIOUS BUSINESS NAME STATEMENT
FILE NO. FB2022-0072

The following person(s) is/are doing business as: **ANSYNG LABS**, located at 5090 Robert J Mathews Pkwy, El Dorado Hills, CA 95762 Registered owner(s): ANSYNG, INC., 5090 Robert J Mathews Pkwy, El Dorado Hills, CA 95762 This business is conducted by a Corporation, State of Incorporation: CA The registrant commenced to transact business under the fictitious business name or names listed above on: 10/15/2021 Signature of Registrant: /s/ Sam Miller SAM MILLER, CEO I declare that all information in this statement is true and correct. (A registrant who declares as true any material matter pursuant to Section 17913 of the Business and Professions Code that the registrant knows to be false is guilty of a misdemeanor punishable by a fine not to exceed one thousand dollars (\$1,000.00). This statement filed with the county clerk of El Dorado County on 01/18/2022.

NOTICE-IN ACCORDANCE WITH SUBDIVISION (a) OF SECTION 17920, A FICTITIOUS NAME STATEMENT GENERALLY EXPIRES AT THE END OF FIVE YEARS FROM THE DATE ON WHICH IT WAS FILED IN THE OFFICE OF THE COUNTY CLERK, EXCEPT AS PROVIDED IN SUBDIVISION (b) OF SECTION 17920, WHERE IT EXPIRES 40 DAYS AFTER ANY CHANGE IN THE FACTS SET FORTH IN THE STATEMENT PURSUANT TO SECTION 17913 IN SUBDIVISION (b) OF SECTION 17920, WHERE IT EXPIRES 40 DAYS AFTER ANY CHANGE IN THE FACTS SET FORTH IN THE STATEMENT PURSUANT TO SECTION 17913 OF THE RESIDENCE ADDRESS OF A REGISTERED OWNER. A NEW FICTITIOUS BUSINESS NAME STATEMENT MUST BE FILED BEFORE THE EXPIRATION OF THE FILING OF THIS STATEMENT.

A REGISTERED OWNER, A NEW FICTITIOUS BUSINESS NAME STATEMENT MUST BE FILED BEFORE THE EXPIRATION OF THE FILING OF THIS STATEMENT DOES NOT OF ITSELF AUTHORIZE THE USE IN THIS STATE OF A FICTITIOUS BUSINESS NAME IN VIOLATION OF THE RIGHTS OF ANOTHER UNDER FEDERAL, STATE, OR COMMON LAW (see section 14411 ET SEQ., Business and Professions Code) 9881

FICTITIOUS BUSINESS NAME STATEMENT
FILE NO. FB2022-0128

The following person(s) is/are doing business as: **LOTUS SALON & BOUTIQUE**, located at 7170 State Hwy 49 Suite 8, Lotus, CA 95651 Mailing Address: 1240 Stags Leap Rd, Placerville, CA 95667 Registered owner(s): Kasey R Hall, 1240 Stags Leap Rd, Placerville, CA 95667 This business is conducted by an Individual. The registrant commenced to transact business under the fictitious business name or names listed above on: 1/30/22 Signature of Registrant: /s/ Kasey Hall KASEY HALL, OWNER I declare that all information in this statement is true and correct. (A registrant who declares as true any material matter pursuant to Section 17913 of the Business and Professions Code that the registrant knows to be false is guilty of a misdemeanor punishable by a fine not to exceed one thousand dollars (\$1,000.00). This statement filed with the county clerk of El Dorado County on 01/31/2022.

NOTICE-IN ACCORDANCE WITH SUBDIVISION (a) OF SECTION 17920, A FICTITIOUS NAME STATEMENT GENERALLY EXPIRES AT THE END OF FIVE YEARS FROM THE DATE ON WHICH IT WAS FILED IN THE OFFICE OF THE COUNTY CLERK, EXCEPT AS PROVIDED IN SUBDIVISION (b) OF SECTION 17920, WHERE IT EXPIRES 40 DAYS AFTER ANY CHANGE IN THE FACTS SET FORTH IN THE STATEMENT PURSUANT TO SECTION 17913 IN SUBDIVISION (b) OF SECTION 17920, WHERE IT EXPIRES 40 DAYS AFTER ANY CHANGE IN THE FACTS SET FORTH IN THE STATEMENT PURSUANT TO SECTION 17913 OF THE RESIDENCE ADDRESS OF A REGISTERED OWNER. A NEW FICTITIOUS BUSINESS NAME STATEMENT MUST BE FILED BEFORE THE EXPIRATION OF THE FILING OF THIS STATEMENT.

comments received after March 11, 2022, may not be included in the final Alternative. Public comments must be submitted in writing and mailed or emailed to:

Mail: South Tahoe Public Utility District Attention: I. Bergsohn, Plan Manager 1275 Meadow Crest Drive South Lake Tahoe, CA 96150 Email: ibergsohn@stpd.usd.ca.us

The draft Alternative Plan is the first five-year update of the Alternative Plan which was previously approved as an alternative to a groundwater sustainability plan by the California Department of Water Resources for the TVS Subbasin. The draft Alternative Plan provides a physical description of the TVS Subbasin including groundwater use, groundwater conditions, historical, current, and projected groundwater budgets, groundwater-surface water interactions, and assessments of potential overdraft issues, climate change impacts and characterization of undesirable results. The draft Alternative Plan concludes with an implementation plan presenting on-going, short-term, and long-term groundwater management activities for the sustainable management of groundwater resources within the TVS Subbasin.

Due to the current COVID-19 public health emergency, the draft Alternative Plan is available for public review from the Groundwater Management Plan page of the District's web site (<https://stpd.usd.us/groundwater-management-plan/>) or from the Water Agency Newsroom page of the El Dorado County Water Agency website (<https://www.edwateragency.org/Pages/Water-Agency-Newsroom.aspx>).

For additional information, please contact Ivo Bergsohn at (530) 543-6204 or email ibergsohn@stpd.usd.us. 9884 2/4, 2/11

NOTICE OF TRUSTEE'S SALE
TRUSTEE SALE NO.: 0000003241473
TITLE ORDER NO.: 190735429
FHA/VA/PMI NO.: 049-0250320-703-203B

ATTENTION: THE FOLLOWING REFERENCE TO AN ATTACHED SUMMARY APPLIES ONLY TO COPIES PROVIDED TO

regarding the sale of this property, using the file number assigned to this case 0000008241473. Information about postponements that are very short in duration or that occur close to the scheduled sale may not be reflected in the telephone information or on the Internet Web site. The best way to verify postponement information is to attend the scheduled sale. NOTICE TO TENANT: You may have a right to purchase this property after the trustee auction pursuant to Section 2924m of the California Civil Code, if you are an "eligible tenant buyer." You can purchase the property if you match the last and highest bid placed at the trustee auction. If you are an "eligible bidder," you may be able to purchase the property if you exceed the last and highest bid placed at the trustee auction. There are three steps to exercising this right of purchase. First, 48 hours after the date of the trustee sale, you can call 833-561-0243, or visit this internet website WWW.SALES.BDFGROUP.COM using the file number assigned to this case 0000008241473 to find the date on which the trustee's sale was held, the amount of the last and highest bid, and the address of the trustee. Second, you must send a written notice of intent to place a bid so that the trustee receives it no more than 15 days after the trustee's sale. Third, you must submit a bid so that the trustee receives it no more than 45 days after the trustee's sale. If you think you may qualify as an "eligible tenant buyer" or "eligible bidder," you should consider contacting an attorney or appropriate real estate professional immediately for advice regarding this potential right to purchase. FOR TRUSTEE SALE INFORMATION PLEASE CALL: 833-561-0243 WWW.SALES.BDFGROUP.COM BARRETT DAFFIN FRAPPIER TREDER AND WEISS, LLP IS ACTING AS A DEBT COLLECTOR ATTEMPTING TO COLLECT A DEBT. ANY INFORMATION OBTAINED WILL BE USED FOR THAT PURPOSE. BARRETT DAFFIN FRAPPIER TREDER AND WEISS, LLP, as trustee 3990 E. Concourse Street, Suite 350 Ontario, CA 91764(866) 795-1852 Dated: 01/27/2022 4740928 02/04/2022, 02/11/2022, 02/19/2022 9885 2/4, 2/11, 2/18

1. Petitioner: Paul Cyrus Bray filed a petition with this court for a decree changing names as follows:
Present name: PAUL CYRUS BRAY
Proposed name: PAUL CYRUS WELLS

2. THE COURT ORDERS that all persons interested in this matter appear before this court at the hearing indicated below to show cause, if any, why the petition for change of name should not be granted. Any person objecting to the name changes described above must file a written objection that includes the reasons for the objection at least two court days before the matter is scheduled to be heard and must appear at the hearing to show cause why the petition should not be granted. If no written objection is timely filed, the court may grant the petition without a hearing.

NOTICE OF HEARING:
APRIL 1, 2022, 8:30 A.M.: DEPT. OF SUPERIOR COURT, COUNTY OF CALIFORNIA, COUNTY OF EL DORADO, 3321 Cameron Park Drive, Cameron Park, CA 95682.
3. A copy of the ORDER TO SHOW CAUSE shall be published at least once each week for four successive weeks prior to the date set for hearing on the petition in the following newspaper of general circulation, printed in this county: Mountain Democrat.
This order has been filed on JANUARY 20, 2022.
/s/ Vicki Ashworth
VICKI ASHWORTH, Judge of the Superior Court
1/28, 2/4, 2/11, 2/18 9954

NOTICE OF PETITION TO ADMINISTER ESTATE OF ANDREW JERMYN BERGE
CASE NO. 22PR0020
To all heirs, beneficiaries, creditors, contingent creditors, and persons who may otherwise be interested in the will or estate, or both, of ANDREW JERMYN BERGE

FICTITIOUS BUSINESS NAME STATEMENT
FILE NO. FB2022-0059

The following person(s) is/are doing business as: **ACORN CREEK FARMS**, located at 7071 Chalet Way, Pilot Hill, CA 95664
Registered owner(s):
1. Cheryl Rorie, 7071, Chalet Way, Pilot Hill, CA 95664, 2. Gary Rorie, 7071 Chalet Way, Pilot Hill, CA 95664
This business is conducted by a Married Couple
The registrant commenced to transact business under the fictitious business name or names listed above on: 01/13/2022
Signature of Registrant: /s/ Cheryl Rorie
CHERYL RORIE, OWNER
I declare that all information in this statement is true and correct.
(A registrant who declares as true any material matter pursuant to Section 17913 of the Business and Professions Code that the registrant knows to be false is guilty of a misdemeanor punishable by a fine not to exceed one thousand dollars (\$1,000.00). This statement filed with the county clerk of El Dorado County on 01/13/2022.

NOTICE-IN ACCORDANCE WITH SUBDIVISION (a) OF SECTION 17920. A FICTITIOUS NAME STATEMENT GENERALLY EXPIRES AT THE END OF FIVE YEARS FROM THE DATE ON WHICH IT WAS FILED IN THE OFFICE OF THE COUNTY CLERK, EXCEPT, AS PROVIDED IN SUBDIVISION (b) OF SECTION 17920, WHERE IT EXPIRES 40 DAYS AFTER ANY CHANGE IN THE FACTS SET FORTH IN THE STATEMENT PURSUANT TO SECTION 17913 OTHER THAN A CHANGE IN THE RESIDENCE ADDRESS OF A REGISTERED OWNER. A NEW FICTITIOUS BUSINESS NAME STATEMENT MUST BE FILED BEFORE THE EXPIRATION.

NOTICE-IN ACCORDANCE WITH SUBDIVISION (a) OF SECTION 17920. A FICTITIOUS NAME STATEMENT GENERALLY EXPIRES AT THE END OF FIVE YEARS FROM THE DATE ON WHICH IT WAS FILED IN THE OFFICE OF THE COUNTY CLERK, EXCEPT, AS PROVIDED IN SUBDIVISION (b) OF SECTION 17920, WHERE IT EXPIRES 40 DAYS AFTER ANY CHANGE IN THE FACTS SET FORTH IN THE STATEMENT PURSUANT TO SECTION 17913 OTHER THAN A CHANGE IN THE RESIDENCE ADDRESS OF A REGISTERED OWNER. A NEW FICTITIOUS BUSINESS NAME STATEMENT MUST BE FILED BEFORE THE EXPIRATION.

FICTITIOUS BUSINESS NAME STATEMENT
FILE NO. FB2022-0079

The following person(s) is/are doing business as: **G.N.C.**, located at 3450 Palmer Dr, Ste 2, Camaron Park, CA 95682
Registered owner(s):
JIVANJYOT INC., 3450 Palmer Dr, Ste 2, Camaron Park, CA 95682
This business is conducted by a Corporation, State of Incorporation: CA
The registrant commenced to transact business under the fictitious business name or names listed above on: 05/01/2012
Signature of Registrant: /s/ Bhavinkumar Patel
BHAVINKUMAR PATEL, PRESIDENT
I declare that all information in this statement is true and correct.
(A registrant who declares as true any material matter pursuant to Section 17913 of the Business and Professions Code that the registrant knows to be false is guilty of a misdemeanor punishable by a fine not to exceed one thousand dollars (\$1,000.00). This statement filed with the county clerk of El Dorado County on 01/19/2022.

NOTICE-IN ACCORDANCE WITH SUBDIVISION (a) OF SECTION 17920. A FICTITIOUS NAME STATEMENT GENERALLY EXPIRES AT THE END OF FIVE YEARS FROM THE DATE ON WHICH IT WAS FILED IN THE OFFICE OF THE COUNTY CLERK, EXCEPT, AS PROVIDED IN SUBDIVISION (b) OF SECTION 17920, WHERE IT EXPIRES 40 DAYS AFTER ANY CHANGE IN THE FACTS SET FORTH IN THE STATEMENT PURSUANT TO SECTION 17913 OTHER THAN A CHANGE IN THE RESIDENCE ADDRESS OF A REGISTERED OWNER. A NEW FICTITIOUS BUSINESS NAME STATEMENT MUST BE FILED BEFORE THE EXPIRATION.

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NOTICE OF AVAILABILITY
South Tahoe Public Utility District
ALTERNATIVE PLAN for
TAHOE VALLEY SOUTH
SUBBASIN (6-005.01)

This notice is provided by the South Tahoe Public Utility District (District), as the plan manager, to inform the public of a 30-day public comment period for the first five-year update of the draft Alternative Plan (Alternative Plan) prepared for the Tahoe Valley South Subbasin (6-005.01) (TVS Subbasin) on behalf of the District and the El Dorado County Water Agency. The public comment period will commence on February 9, 2022 and conclude on March 11, 2022. Public comments are solicited by this Notice of Availability and will be addressed in a summary of comments and responses appended to the final Alternative Plan. Public

issuance of letters to a general personal representative, as defined in section 58(b) of the California Probate Code, or (2) 60 days from the date of mailing or personal delivery to you of a notice under section 9052 of the California Probate Code. Other California statutes and legal authority may affect your rights as a creditor. You may want to consult with an attorney knowledgeable in California law.
YOU MAY EXAMINE the file kept by the court. If you are a person interested in the estate, you may file with the court a Request for Special Notice (form DE-154) of the filing of an inventory and appraisal of estate assets or of any petition or account as provided in Probate Code section 1250. A Request for Special Notice form is available from the court clerk. Attorney for Petitioner:
PETER S. STERN
Law Office of Peter S. Stern
350 Cambridge Avenue, Suite 130
Palo Alto, CA 94306
(650) 326-2282
2/4, 2/11, 2/18 9983

NOTICE OF AVAILABILITY
South Tahoe Public Utility District
ALTERNATIVE PLAN for
TAHOE VALLEY SOUTH
SUBBASIN (6-005.01)
This notice is provided by the South Tahoe Public Utility District (District), as the plan manager, to inform the public of a 30-day public comment period for the first five-year update of the draft Alternative Plan (Alternative Plan) prepared for the Tahoe Valley South Subbasin (6-005.01) (TVS Subbasin) on behalf of the District and the El Dorado County Water Agency. The public comment period will commence on February 9, 2022 and conclude on March 11, 2022. Public comments are solicited by this Notice of Availability and will be addressed in a summary of comments and responses appended to the final Alternative Plan. Public

NOTICE OF AVAILABILITY
South Tahoe Public Utility District
ALTERNATIVE PLAN for
TAHOE VALLEY SOUTH
SUBBASIN (6-005.01)

of Default and Demand for Sale, and a written Notice of Default and Election to Sell. The undersigned caused said Notice of Default and Election to Sell to be recorded in the county where the real property is located. **NOTICE TO POTENTIAL BIDDERS:** If you are considering bidding on this property lien, you should understand that there are risks involved in bidding at a trustee auction. You will be bidding on a lien, the highest bid at a trustee auction does not automatically entitle you to free and clear ownership of the property. You should also be aware that the lien being auctioned off may be a junior lien. If you are the highest bidder at the auction, you are or may be responsible for paying off all liens senior to the lien being auctioned off, before you can receive clear title to the property. You are encouraged to investigate the existence, priority, and size of outstanding liens that may exist on this property by contacting the county recorder's office or a title insurance company, either of which may charge you a fee for this information. If you consult either of these resources, you should be aware that the same lender may hold more than one mortgage or deed of trust on the property. **NOTICE TO PROPERTY OWNER:** The sale date shown on this notice of sale may be postponed one or more times by the mortgagee, beneficiary, trustee, or a court, pursuant to Section 2924g of the California Civil Code. The law requires that information about trustee sale postponements be made available to you and to the public, as a courtesy to those not present at the sale. If you wish to learn whether your sale date has been postponed, and, if applicable, the rescheduled time and date for the sale of this property, you may call 833-561-0243 for information regarding the trustee's sale or visit this internet Web site WWW.SALES.BDFGROUP.COM for information

unpaid balance of the obligations secured by the property to be sold and reasonable estimated costs, expenses and advances at the time of the initial publication of this Notice of Trustee's Sale is estimated to be \$494,897.86 (Estimated). However, prepayment premiums, accrued interest and advances will increase this figure prior to sale. Beneficiary's bid at said sale may include all or part of the said amount. In addition to cash, the Trustee will accept a cashier's check drawn on a state or national bank, a check drawn by a state or federal credit union or a check drawn by a state or federal savings and loan association, savings association or savings bank specified in Section 5102 of the California Financial Code and authorized to do business in California, or other such funds, as may be acceptable to the Trustee. In the event tender other than cash is accepted, the Trustee may withhold the issuance of the Trustee's Deed Upon Sale until funds become available to the payee or endorsee as a matter of right. The property offered for sale excludes all funds held on account by the property receiver, if applicable. If the Trustee is unable to convey title for any reason, the successful bidder's sole and exclusive remedy shall be the return of monies paid to the Trustee and the successful bidder shall have no further recourse. Notice to Potential Bidders: If you are considering bidding on this property lien, you should understand that there are risks involved in bidding at a Trustee auction. You will be bidding on a lien, the highest bid at a Trustee auction does not automatically entitle you to free and clear ownership of the property. You should also be aware that the lien being auctioned off may be a junior lien. If you are the highest bidder at the auction, you are or may be responsible for paying off all liens senior to the lien being auctioned off, before you can receive clear title to the property. You are encouraged to investigate the existence, priority, and size of outstanding liens that may exist on this property by contacting the county recorder's office or a title insurance company, either of which may charge you a fee for this information. If you consult either of these resources, you should be aware that the same lender may hold more than one mortgage or deed of trust on the property. **NOTICE TO PROPERTY OWNER:** The sale date shown on this notice of sale may be postponed one or more times by the mortgagee, beneficiary, trustee, or a court, pursuant to Section 2924g of the California Civil Code. The law requires that information about trustee sale postponements be made available to you and to the public, as a courtesy to those not present at the sale. If you wish to learn whether your sale date has been postponed, and, if applicable, the rescheduled time and date for the sale of this property, you may call 833-561-0243 for information regarding the trustee's sale or visit this internet Web site WWW.SALES.BDFGROUP.COM for information

of Default and Demand for Sale, and a written Notice of Default and Election to Sell. The undersigned caused said Notice of Default and Election to Sell to be recorded in the county where the real property is located. **NOTICE TO POTENTIAL BIDDERS:** If you are considering bidding on this property lien, you should understand that there are risks involved in bidding at a trustee auction. You will be bidding on a lien, the highest bid at a trustee auction does not automatically entitle you to free and clear ownership of the property. You should also be aware that the lien being auctioned off may be a junior lien. If you are the highest bidder at the auction, you are or may be responsible for paying off all liens senior to the lien being auctioned off, before you can receive clear title to the property. You are encouraged to investigate the existence, priority, and size of outstanding liens that may exist on this property by contacting the county recorder's office or a title insurance company, either of which may charge you a fee for this information. If you consult either of these resources, you should be aware that the same lender may hold more than one mortgage or deed of trust on the property. **NOTICE TO PROPERTY OWNER:** The sale date shown on this notice of sale may be postponed one or more times by the mortgagee, beneficiary, trustee, or a court, pursuant to Section 2924g of the California Civil Code. The law requires that information about trustee sale postponements be made available to you and to the public, as a courtesy to those not present at the sale. If you wish to learn whether your sale date has been postponed, and, if applicable, the rescheduled time and date for the sale of this property, you may call 833-561-0243 for information regarding the trustee's sale or visit this internet Web site WWW.SALES.BDFGROUP.COM for information

**NEVADA COUNTY
PUBLISHING COMPANY**
South Lake Tahoe, CA

AFFIDAVIT OF PUBLICATION



**Proof and Statement of
Publication**

Ad #: 198648

See Proof on Next Page

Customer Account #:

**Reference: 4CD01 Public Notice of
Availability (NOA)**

Legal Account

Star Glaze

1275 Meadow Crest Dr

County of El Dorado, State of California. The undersigned, **Bailee Liston**, being the principal clerk of the **Nevada County Publishing Co.** declares that the **Nevada County Publishing Co.** now is, and during all times herein named, was a corporation duly organized and existing under the laws of the State of California, and now is, and during all times herein named was the printer of **Tahoe Daily Tribune**, a newspaper of general circulation, as defined by section 6000 of the Government Code of the State of California, printed and published daily (Sundays excepted) in the City of South Lake Tahoe, County of El Dorado, State of California, and that affiant is the principal clerk of said Nevada County Publishing Co.

That the printed advertisement hereto annexed was published in the said Tahoe Daily Tribune, for the full required period of **2** time(s) commencing on **4 Feb 2022**, and ending on **11 Feb 2022**, all days inclusive.

I certify, under penalty of perjury, the forgoing is true and correct.

Signed: *Bailee Liston*

Legals Advertising Clerk

NOTICE OF AVAILABILITY
South Tahoe Public Utility District
ALTERNATIVE PLAN for
TAHOE VALLEY SOUTH SUBBASIN (6-005.01)

This notice is provided by the South Tahoe Public Utility District (District), as the plan manager, to inform the public of a 30-day public comment period for the first five-year update of the draft Alternative Plan (Alternative Plan) prepared for the Tahoe Valley South Subbasin (6-005.01) (TVS Subbasin) on behalf of the District and the El Dorado County Water Agency. The public comment period will commence on February 9, 2022 and conclude on March 11, 2022. Public comments are solicited by this Notice of Availability and will be addressed in a summary of comments and responses appended to the final Alternative Plan. Public comments received after March 11, 2022, may not be included in the final Alternative. Public comments must be submitted in writing and mailed or emailed to:

Mail: South Tahoe Public Utility District Email: ibergsohn@stpod.dst.ca.us
Attention: I. Bergsohn, Plan Manager
1275 Meadow Crest Drive
South Lake Tahoe, CA 96150

The draft Alternative Plan is the first five-year update of the Alternative Plan which was previously approved as an alternative to a groundwater sustainability plan by the California Department of Water Resources for the TVS Subbasin. The draft Alternative Plan provides a physical description of the TVS Subbasin including groundwater use, groundwater conditions, historical, current, and projected groundwater budgets, groundwater-surface water interactions and assessments of potential overdraft issues, climate change impacts and characterization of undesirable results. The draft Alternative Plan concludes with an implementation plan presenting on-going, short-term, and long-term ground water management activities for the sustainable management of groundwater resources within the TVS Subbasin.

Due to the current COVID-19 public health emergency, the draft Alternative Plan is available for public review from the Groundwater Management Plan page of the District's web site (<https://stpod.us/news/groundwater-management-plan/>) or from the Water Agency Newsroom page of the El Dorado County Water Agency website (<https://www.edwa.teragency.org/Pages/Water-Agency-Newsroom.aspx>).

For additional information, please contact Ivo Bergsohn at (530) 543-6204 or email ibergsohn@stpod.us.

Published: February 4, 11, 2022



**PUBLIC NOTICE OF
PUBLIC HEARINGS TO ADOPT THE FIRST FIVE YEAR UPDATE OF
THE ALTERNATIVE PLAN FOR THE TAHOE VALLEY SOUTH SUBBASIN (6-005.01)
PURSUANT TO THE SUSTAINABLE GROUNDWATER MANAGEMENT ACT OF 2014**

Pursuant to California Water Code Section 10728.4, the Groundwater Sustainability Agencies (GSAs) of the Tahoe Valley South Subbasin (TVS Subbasin) will hold Public Hearings to accept public comment and consider adoption of the first five-year update of the Alternative Plan for their respective management area of the TVS Subbasin.

- El Dorado Water Agency (EDWA) GSA: Wednesday, April 13, 2022 at 10:00 am. The public is invited to listen, observe, and provide comments during the meeting. This item is being considered as part of the EDWA monthly Board Meeting which is being held remotely. Call-in and Zoom meeting login information will be provided in the meeting agenda package that will be published by 5:00 pm on April 8, 2022. The agenda package can be found on the EDWA website at <https://www.edwateragency.org/Pages/Water-Agency-Meetings-and-Minutes.aspx>.
- South Tahoe Public Utility District (District) GSA: Thursday, April 21st, 2022, at 2:15 pm, or as soon thereafter as the matter may be heard, at the District Board Room, 1275 Meadow Crest Drive, South Lake Tahoe, Ca 96150.

The first-five-year update of the Alternative Plan provides new information to facilitate periodic review by the California Department of Water Resources and was prepared as required by the Sustainable Groundwater Management Act of 2014. The Alternative Plan was prepared by the District, as plan manager, on behalf of the District and El Dorado Water Agency and applies to lands within the full extent of the TVS Subbasin.

Comments received before and during the public hearings will be considered by the Board of Directors as it determines whether to adopt the proposed first five-year update of the Alternative Plan for the portion of the TVS Subbasin located within its jurisdictional boundaries. For additional details and to download a copy of the draft first five-year update of the Alternative Plan, visit <https://stpud.us/news/groundwater-management-plan/> For more information, contact the Plan Manager at (530) 543-6204.

22-0307
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California law.
YOU MAY EXAMINE the file kept by the court. If you are a person interested in the estate, you may file with the court a Request for Special Notice (form DE-154) of the filing of an inventory and appraisal of estate assets or of any petition or account as provided in Probate Code section 1250. A Request for Special Notice form is available from the court clerk.
Attorney for Petitioner:
NATHANIEL WILLSON
3080 Cedar Ravine Road
Placerville, CA 95667
(530) 626-4300
3/23, 3/30, 4/6

TSG NO.: 8772531
TS NO.: CA2100287165
APN: 117-420-004-000
PROPERTY ADDRESS:
4699 MONTE MAR DR
EL DORADO HILLS, CA 95762
NOTICE OF TRUSTEE'S SALE

YOU ARE IN DEFAULT UNDER A DEED OF TRUST, DATED 12/17/2015. UNLESS YOU TAKE ACTION TO PROTECT YOUR PROPERTY, IT MAY BE SOLD AT A PUBLIC SALE. IF YOU NEED AN EXPLANATION OF THE NATURE OF THE PROCEEDING AGAINST YOU, YOU SHOULD CONTACT A LAWYER. On 04/27/2022 at 10:00 A.M., First American Title Insurance Company, as duly appointed Trustee under and pursuant to Deed of Trust recorded 12/23/2015, as Instrument No. 2015-0059621-00, in book , page , of Official Records in the office of the County Recorder of EL DORADO County, State of California. Executed by: GLENNA M. SMITH, AN UNMARRIED WOMAN, WILL SELL AT PUBLIC AUCTION TO HIGHEST BIDDER FOR CASH, CASHIER'S CHECK/CASH EQUIVALENT or other form of payment authorized by 2924h(b), (Payable at time of sale in lawful money of the United States) At the Main Street entrance to the County Courthouse at 495 Main Street, Placerville, CA 95667 All right, title and interest conveyed to and now held by it under said Deed of Trust in the property situated in said County and State described as: **AS MORE FULLY DESCRIBED IN THE ABOVE MENTIONED DEED OF TRUST APN# 117-420-004-000** The street address and other common designation, if any, of the real property described above is purported to be: 4699 MONTE MAR DR, EL DORADO HILLS, CA 95762 The undersigned Trustee disclaims any liability for any incorrectness of the street address and other common designation, if any, shown herein. Said sale will be made, but without covenant or warranty, expressed or implied, regarding title.

described in Section 2924m(c) of the Civil Code, so that the trustee receives it no more than 45 days after the trustee's sale. If you think you may qualify as an "eligible tenant buyer" or "eligible bidder," you should consider contacting an attorney or appropriate real estate professional immediately for advice regarding this potential right to purchase. If the sale is set aside for any reason, the Purchaser at the sale shall be entitled only to a return of the deposit paid. The Purchaser shall have no further recourse against the Mortgagor, the Mortgagee or the Mortgagee's attorney. Date: First American Title Insurance Company 4795 Regent Blvd, Mail Code 1011-F Irving, TX 75063 First American Title Insurance Company **MAY BE ACTING AS A DEBT COLLECTOR ATTEMPTING TO COLLECT A DEBT. ANY INFORMATION OBTAINED MAY BE USED FOR THAT PURPOSE FOR TRUSTEES SALE INFORMATION PLEASE CALL (916)939-0772NPP0399833 To: MOUNTAIN DEMOCRAT & PLACERVILLE TIMES 03/18/2022, 03/25/2022, 04/01/2022 3/23, 3/30, 4/6**

NOTICE OF TRUSTEE'S SALE
TRUSTEE SALE NO. 131650-11
LOAN NO. P12398
TITLE ORDER NO. 95313224
APN 062-030-041-000 TRA NO.

YOU ARE IN DEFAULT UNDER A DEED OF TRUST DATED 03/09/2015. UNLESS YOU TAKE ACTION TO PROTECT YOUR PROPERTY, IT MAY BE SOLD AT A PUBLIC SALE. IF YOU NEED AN EXPLANATION OF THE NATURE OF THE PROCEEDINGS AGAINST YOU, YOU SHOULD CONTACT A LAWYER. STOCKTON MORTGAGE, INC. as the duly appointed Trustee will sell at PUBLIC AUCTION TO THE HIGHEST BIDDER FOR CASH (payable at time of sale in lawful money of the United States, by cash, a cashier's check drawn by a state or national bank, a check drawn by a state or federal credit union, or a check drawn by a state or federal savings and loan association, savings association, or savings bank specified in section 5102 of the Financial Code and authorized to do business in this state) all right, title and interest conveyed to and now held by it under said Deed of Trust, described as follows: Trustor(s): CIPRIANO SULAMO Deed of Trust: recorded on 03/30/2015 as Document No. 2015-0012533 of official records in the Office of the Recorder of EL DORADO County, California, Date of Trustee's Sale: 04/13/2022 at 10:00AM Trustee's Sale Location: At the Main Street entrance to the County Courthouse

trustee auction pursuant to Section 2924m of the California Civil Code. If you are an "eligible tenant buyer," you can purchase the property if you match the last and highest bid placed at the trustee auction. If you are an "eligible bidder," you may be able to purchase the property if you exceed the last and highest bid placed at the trustee auction. There are three steps to exercising this right of purchase. First, 48 hours after the date of the trustee sale, you can call (916) 939-0772, or visit this internet website www.nationwideposting.com, using the file number assigned to this case 131650-11 to find the date on which the trustee's sale was held, the amount of the last and highest bid, and the address of the trustee. Second, you must send a written notice of intent to place a bid so that the trustee receives it no more than 15 days after the trustee's sale. Third, you must submit a bid, by remitting the funds and affidavit described in Section 2924m(c) of the Civil Code, so that the trustee receives it no more than 45 days after the trustee's sale. If you think you may qualify as an "eligible tenant buyer" or "eligible bidder," you should consider contacting an attorney or appropriate real estate professional immediately for advice regarding this potential right to purchase. Date: 03/15/2022 MORTGAGE LENDER SERVICES, INC., as Agent for STOCKTON MORTGAGE, INC., as Trustee 7844 Madison Ave., Suite 145 Fair Oaks, CA 95628 (916) 962-3453 Sale Information Line: 916-939-0772 or www.nationwideposting.com TARA CAMPBELL, ASSISTANT VICE PRESIDENT MORTGAGE LENDER SERVICES, INC. **MAY BE A DEBT COLLECTOR ATTEMPTING TO COLLECT A DEBT. ANY INFORMATION OBTAINED WILL BE USED FOR THAT PURPOSE.** NPP0400148 To: MOUNTAIN DEMOCRAT & PLACERVILLE TIMES 03/23/2022, 03/30/2022, 04/06/2022 3/23, 3/30, 4/6

PUBLIC NOTICE OF PUBLIC HEARINGS TO ADOPT THE FIRST FIVE YEAR UPDATE OF THE ALTERNATIVE PLAN FOR THE TAHOE VALLEY SOUTH SUBBASIN (6-005.01) PURSUANT TO THE SUSTAINABLE GROUNDWATER MANAGEMENT ACT OF 2014

Pursuant to California Water Code Section 10728.4, the Groundwater Sustainability Agencies (GSAs) of the Tahoe Valley South Subbasin (TVS Subbasin) will hold Public Hearings to accept public comment and consider adoption of the first five-year update of the Alternative Plan for their respective management

3. A copy of the ORDER TO SHOW CAUSE shall be published at least once each week for four successive weeks prior to the date set for hearing on the petition in the following newspaper of general circulation, printed in this county: Mountain Democrat.
This order has been filed on MARCH 17, 2022.
/s/ Michael J. McLaughlin
MICHAEL J. MCLAUGHLIN, Judge of the Superior Court
3/23, 3/30, 4/6, 4/13

FICTITIOUS BUSINESS NAME STATEMENT
FILE NO. FB2022-0325

The following person(s) is/are doing business as: **BLACK OAK THERAPY**, located at 1160 Suncast Ln, Suite 9, El Dorado Hills, CA 95762/Mailing Address: 4237 Greenstone Rd, Placerville, CA 95667
Registered owner(s):
Alex M Stewart, 4237 Greenstone Rd, Placerville, CA 95667
This business is conducted by an individual.

The registrant commenced to transact business under the fictitious business name or names listed above on: 04/11/2017
Signature of Registrant: /s/ Alex Stewart
ALEX STEWART

I declare that all information in this statement is true and correct. (A registrant who declares as true any material matter pursuant to Section 17913 of the Business and Professions Code that the registrant knows to be false is guilty of a misdemeanor punishable by a fine not to exceed one thousand dollars (\$1,000.00).) This statement filed with the county clerk of El Dorado County on 03/14/2022.

NOTICE-IN ACCORDANCE WITH SUBDIVISION (a) OF SECTION 17920, A FICTITIOUS NAME STATEMENT GENERALLY EXPIRES AT THE END OF FIVE YEARS FROM THE DATE ON WHICH IT WAS FILED IN THE OFFICE OF THE COUNTY CLERK, EXCEPT, AS PROVIDED IN SUBDIVISION (b) OF SECTION 17920, WHERE IT EXPIRES 40 DAYS AFTER ANY CHANGE IN THE FACTS SET FORTH IN THE STATEMENT PURSUANT TO SECTION 17913 OTHER THAN A CHANGE IN THE RESIDENCE ADDRESS OF A REGISTERED OWNER. A NEW FICTITIOUS BUSINESS NAME STATEMENT MUST BE FILED BEFORE THE EXPIRATION. THE FILING OF THIS STATEMENT DOES NOT OF ITSELF AUTHORIZE THE USE IN THIS STATE OF A FICTITIOUS BUSINESS NAME IN VIOLATION OF THE RIGHTS OF ANOTHER UNDER FEDERAL.

This order has been filed on MARCH 17, 2022.
/s/ Dylan Sullivan
DYLAN SULLIVAN
Superior Court
3/23, 3/30, 4/6, 4/13

FICTITIOUS BUSINESS NAME STATEMENT
FILE NO. FB2022-0325

The following person(s) is/are doing business as: **ALLEN 4242 Sports Club**, located at 4242 Sports Club, Shingle Springs, CA 95762
Address: 11230 Gold River Rd, Suite 217, Gold River, CA 95667
Registered owner(s):
R E Clarity Inc, 4242 Drive, Suite S, Shingon, CA 95682
This business is conducted by a corporation, State of CA

The registrant commenced to transact business under the fictitious business name or names listed above on: Not Applicable
Signature of Registrant: Stephenson SANDRA STI
PRESIDENT

I declare that all information in this statement is true and correct. (A registrant who declares as true any material matter pursuant to Section 17913 of the Business and Professions Code that the registrant knows to be false is guilty of a misdemeanor punishable by a fine not to exceed one thousand dollars (\$1,000.00).) This statement filed with the county clerk of El Dorado County on 03/01/2022.

NOTICE-IN ACCORDANCE WITH SUBDIVISION (a) OF SECTION 17920, A FICTITIOUS NAME STATEMENT GENERALLY EXPIRES AT THE END OF FIVE YEARS FROM THE DATE ON WHICH IT WAS FILED IN THE OFFICE OF THE COUNTY CLERK, EXCEPT, AS PROVIDED IN SUBDIVISION (b) OF SECTION 17920, WHERE IT EXPIRES 40 DAYS AFTER ANY CHANGE IN THE FACTS SET FORTH IN THE STATEMENT PURSUANT TO SECTION 17913 OTHER THAN A CHANGE IN THE RESIDENCE ADDRESS OF A REGISTERED OWNER. A NEW FICTITIOUS BUSINESS NAME STATEMENT MUST BE FILED BEFORE THE EXPIRATION. THE FILING OF THIS STATEMENT DOES NOT OF ITSELF AUTHORIZE THE USE IN THIS STATE OF A FICTITIOUS BUSINESS NAME IN VIOLATION OF THE RIGHTS OF ANOTHER UNDER FEDERAL.

Notices

- E-mail your public notice to legals@mtdemocrat.net
- Be sure to include your name and phone number

individual
The registrant commenced to transact business under the fictitious business name or names listed above on: 01/25/2022
Signature of Registrant: /s/ Adara Lix

DARA LIX
I declare that all information in this statement is true and correct. A registrant who declares as true any material matter pursuant to Section 17913 of the Business and Professions Code that the registrant knows to be false is guilty of a misdemeanor punishable by a fine not to exceed one thousand dollars (\$1,000.00.) This statement filed with the county clerk of El Dorado County on 3/01/2022.

NOTICE-IN ACCORDANCE WITH SUBDIVISION (a) OF SECTION 17920, A FICTITIOUS NAME STATEMENT GENERALLY EXPIRES AT THE END OF FIVE YEARS FROM THE DATE ON WHICH IT WAS FILED IN THE OFFICE OF THE COUNTY CLERK, EXCEPT, AS PROVIDED IN SUBDIVISION (b) OF SECTION 17920, WHERE IT EXPIRES 40 DAYS AFTER ANY CHANGE IN THE FACTS SET FORTH IN THE STATEMENT PURSUANT TO SECTION 17913 OTHER THAN A CHANGE IN THE RESIDENCE ADDRESS OF A REGISTERED OWNER. A NEW FICTITIOUS BUSINESS NAME STATEMENT MUST BE FILED BEFORE THE EXPIRATION. THE FILING OF THIS STATEMENT DOES NOT OF ITSELF AUTHORIZE THE USE IN THIS STATE OF A FICTITIOUS BUSINESS NAME IN VIOLATION OF THE RIGHTS OF ANOTHER UNDER FEDERAL, STATE, OR COMMON LAW (see section 14411 ET SEQ., Business and Professions Code)
16, 3/23, 3/30, 4/6 **10148**

NOTICE OF PETITION TO ADMINISTER ESTATE OF CHAD MICHAEL ELTISTE CASE NO. 22PR0067

All heirs, beneficiaries, creditors, contingent creditors, and persons who may otherwise be interested in the will or estate, or both, of CHAD MICHAEL ELTISTE
PETITION for Probate has been filed by MARISSA VARELA and TYLER ELTISTE in the Superior Court of California, County of El Dorado.
PETITION for probate requests that MARISSA VARELA and TYLER ELTISTE be appointed as personal representative to administer the estate of the decedent.
PETITION requests authority to administer the estate under Independent Administration Estates Act. (This authority will allow the personal representative to take many actions without obtaining court approval. Before taking certain very important actions, however, the personal representative will be required to give notice to interested persons unless they have waived notice or consented to the proposed action.) The independent administration authority will be

possession, or encumbrances, to pay the remaining principal sum of the note(s) secured by said Deed of Trust, with interest thereon, as provided in said note(s), advances, under the terms of said Deed of Trust, fees, charges and expenses of the Trustee and of the trusts created by said Deed of Trust. The total amount of the unpaid balance of the obligation secured by the property to be sold and reasonable estimated costs, expenses and advances at the time of the initial publication of the Notice of Sale is \$ 482,286.26. The beneficiary under said Deed of Trust has deposited all documents evidencing the obligations secured by the Deed of Trust and has declared all sums secured thereby immediately due and payable, and has caused a written Notice of Default and Election to Sell to be executed. The undersigned caused said Notice of Default and Election to Sell to be recorded in the County where the real property is located.
NOTICE TO POTENTIAL BIDDERS: If you are considering bidding on this property lien, you should understand that there are risks involved in bidding at a trustee auction. You will be bidding on a lien, not on the property itself. Placing the highest bid at a trustee auction does not automatically entitle you to free and clear ownership of the property. You should also be aware that the lien being auctioned off may be a junior lien. If you are the highest bidder at the auction, you are or may be responsible for paying off all liens senior to the lien being auctioned off, before you can receive clear title to the property. You are encouraged to investigate the existence, priority, and size of outstanding liens that may exist on this property by contacting the county recorder's office or a title insurance company, either of which may charge you a fee for this information. If you consult either of these resources, you should be aware that the same lender may hold more than one mortgage or deed of trust on the property. **NOTICE TO PROPERTY OWNER:** The sale date shown on this notice of sale may be postponed one or more times by the mortgagee, beneficiary, trustee, or a court, pursuant to Section 2924g of the California Civil Code. The law requires that information about trustee sale postponements be made available to you and to the public, as a courtesy to those not present at the sale. If you wish to learn whether your sale date has been postponed, and if applicable, the rescheduled time and date for the sale of this property, you may call (916)939-0772 or visit this internet website <http://search.nationwideposting.com/propertySearchTerms.aspx>, using the file number assigned to this case CA2100287165. Information about postponements that are very short in duration or that occur close in time to the scheduled sale may not immediately be reflected in the telephone information or on the Internet Website. The best way to verify postponement information is to attend the scheduled sale.

at 495 Main Street, Placerville, CA 95667 The property situated in said County, California describing the land therein: THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 21, TOWNSHIP 13 NORTH, RANGE 11 EAST, M.D.B.&M. The property heretofore described is being sold "as is". The street address and other common designation, if any, of the real property described above is purported to be: 7020 BEAR STATE ROAD, GEORGETOWN, CA 95634. The undersigned Trustee disclaims any liability for any incorrectness of the street address and other common designation, if any, shown herein. Said sale will be made, but without covenant or warranty, expressed or implied, regarding title, possession, or encumbrances, to pay the remaining principal sum of the note(s) secured by said Deed of Trust, with interest thereon, as provided in said note(s), advances, if any, under the terms of the Deed of Trust, estimated fees, charges and expenses of the Trustee and of the trusts created by said Deed of Trust, to-wit: \$107,926.30 (Estimated). Accrued interest and additional advances, if any, will increase this figure prior to sale. The Beneficiary may elect to bid less than the full credit bid. The beneficiary under said Deed of Trust heretofore executed and delivered to the undersigned a written Declaration of Default and Demand for Sale, and a written Notice of Default and Election to Sell. The undersigned caused said Notice of Default and Election to Sell to be recorded in the county where the real property is located and more than three months have elapsed since such recordation. If the Trustee is unable to convey title for any reason, the successful bidder's sole and exclusive remedy shall be the return of monies paid to the Trustee, and the successful bidder shall have no further recourse. **NOTICE TO POTENTIAL BIDDERS:** If you are considering bidding on this property lien, you should understand that there are risks involved in bidding at a trustee auction. You will be bidding on a lien, not on the property itself. Placing the highest bid at a trustee auction does not automatically entitle you to free and clear ownership of the property. You should also be aware that the lien being auctioned off may be a junior lien. If you are the highest bidder at the auction, you are or may be responsible for paying off all liens senior to the lien being auctioned off, before you can receive clear title to the property. You are encouraged to investigate the existence, priority, and size of outstanding liens that may exist on this property by contacting the county recorder's office or a title insurance company, either of which may charge you a fee for this information. If you consult either of these resources, you should be aware that the same lender may hold more than one mortgage or deed of trust on the property. **NOTICE TO PROPERTY OWNER:** The sale date shown on this notice of sale may be

- area of the TVS Subbasin.
- El Dorado Water Agency (EDWA) GSA: Wednesday, April 13, 2022 at 10:00 am. The public is invited to listen, observe, and provide comments during the meeting. This item is being considered as part of the EDWA monthly Board Meeting which is being held remotely. Call-in and Zoom meeting login information will be provided in the meeting agenda package that will be published by 5:00 pm on April 8, 2022. The agenda package can be found on the EDWA website at <https://www.edwateragency.org/Pages/Water-Agency-Meetings-and-Minutes.aspx>.
 - South Tahoe Public Utility District (District) GSA: Thursday, April 21st, 2022, at 2:15 pm, or as soon thereafter as the matter may be heard, at the District Board Room, 1275 Meadow Crest Drive, South Lake Tahoe, Ca 96150.

The first-five-year update of the Alternative Plan provides new information to facilitate periodic review by the California Department of Water Resources and was prepared as required by the Sustainable Groundwater Management Act of 2014. The Alternative Plan was prepared by the District, as plan manager, on behalf of the District and El Dorado Water Agency and applies to lands within the full extent of the TVS Subbasin. Comments received before and during the public hearings will be considered by the Board of Directors as it determines whether to adopt the proposed first five-year update of the Alternative Plan for the portion of the TVS Subbasin located within its jurisdictional boundaries. For additional details and to download a copy of the draft first five-year update of the Alternative Plan, visit <https://stpub.us/news/groundwater-management-plan/> for more information, contact the Plan Manager at (530) 543-6204.
3/23, 3/30 **10172**

PUBLIC NOTICE

The El Dorado County Office of Education is accepting bids for miscellaneous surplus vehicles. **Specific vehicles available and terms may be obtained at 6767 Green Valley Road or by calling El Dorado County Office of Education's Administrative Services department at 530-295-2251.** Sealed bids must be received by the El Dorado County Office of Education, Administrative Services Department by **12:00 p.m., March 30th, 2022.** The El Dorado County Office of Education reserves the right to waive any irregularities and accept or reject any or all bids.
3/23 **10173**

AMENDED ORDER TO SHOW CAUSE FOR CHANGE OF NAME CASE NUMBER: 22CV0198

STATE, OR COMMON LAW (see section 14411 ET SEQ., Business and Professions Code)
3/23, 3/30, 4/6, 4/13 **10175**

FICTITIOUS BUSINESS NAME STATEMENT FILE NO. FB2022-0336

The following person(s) is/are doing business as: **CHICKENS, DUCKS, & EGGS OH MY**, located at 4560 Bull Head Lane, Placerville, CA 95667
Registered owner(s): Linda L Boyko, 4560 Bull Head Lane, Placerville, CA 95667
This business is conducted by an Individual.
The registrant commenced to transact business under the fictitious business name or names listed above on: 03/15/2022
Signature of Registrant: /s/ Linda Boyko
LINDA BOYKO

I declare that all information in this statement is true and correct. (A registrant who declares as true any material matter pursuant to Section 17913 of the Business and Professions Code that the registrant knows to be false is guilty of a misdemeanor punishable by a fine not to exceed one thousand dollars (\$1,000.00).) This statement filed with the county clerk of El Dorado County on 03/17/2022.

NOTICE-IN ACCORDANCE WITH SUBDIVISION (a) OF SECTION 17920, A FICTITIOUS NAME STATEMENT GENERALLY EXPIRES AT THE END OF FIVE YEARS FROM THE DATE ON WHICH IT WAS FILED IN THE OFFICE OF THE COUNTY CLERK, EXCEPT, AS PROVIDED IN SUBDIVISION (b) OF SECTION 17920, WHERE IT EXPIRES 40 DAYS AFTER ANY CHANGE IN THE FACTS SET FORTH IN THE STATEMENT PURSUANT TO SECTION 17913 OTHER THAN A CHANGE IN THE RESIDENCE ADDRESS OF A REGISTERED OWNER. A NEW FICTITIOUS BUSINESS NAME STATEMENT MUST BE FILED BEFORE THE EXPIRATION. THE FILING OF THIS STATEMENT DOES NOT OF ITSELF AUTHORIZE THE USE IN THIS STATE OF A FICTITIOUS BUSINESS NAME IN VIOLATION OF THE RIGHTS OF ANOTHER UNDER FEDERAL, STATE, OR COMMON LAW (see section 14411 ET SEQ., Business and Professions Code)
3/23, 3/30, 4/6, 4/13 **10176**

ORDER TO SHOW CAUSE FOR CHANGE OF NAME CASE NUMBER: 22CV0343

TO ALL INTERESTED PERSONS:
1. Petitioner: Michelle Lee Davis filed a petition with this court for a decree changing names as follows:
Present name: MICHELLE LEE DAVIS
Proposed name: MISHA LEE
2. THE COURT ORDERS that all

are an "eligible bidder," you may be able to purchase the property if you exceed the last and highest bid placed at the trustee auction. There are three steps to exercising this right of purchase. First, 48 hours after the date of the trustee sale, you can call (916) 939-0772, or visit this internet website www.nationwideposting.com, using the file number assigned to this case 131650-11 to find the date on which the trustee's sale was held, the amount of the last and highest bid, and the address of the trustee. Second, you must send a written notice of intent to place a bid so that the trustee receives it no more than 15 days after the trustee's sale. Third, you must submit a bid, by remitting the funds and affidavit described in Section 2924m(c) of the Civil Code, so that the trustee receives it no more than 45 days after the trustee's sale. If you think you may qualify as an "eligible tenant buyer" or "eligible bidder," you should consider contacting an attorney or appropriate real estate professional immediately for advice regarding this potential right to purchase. Date: 03/15/2022 MORTGAGE LENDER SERVICES, INC., as Agent for STOCKTON MORTGAGE, INC., as Trustee 7844 Madison Ave., Suite 145 Fair Oaks, CA 95628 (916) 962-8453 Sale Information Line: 916-939-0772 or www.nationwideposting.com TARA CAMPBELL, ASSISTANT VICE PRESIDENT MORTGAGE LENDER SERVICES, INC. MAY BE A DEBT COLLECTOR ATTEMPTING TO COLLECT A DEBT. ANY INFORMATION OBTAINED WILL BE USED FOR THAT PURPOSE. NPP0400148 To: MOUNTAIN DEMOCRAT & PLACERVILLE TIMES 03/23/2022, 03/30/2022, 04/06/2022 3/23, 3/30, 4/6 10171

PUBLIC NOTICE OF PUBLIC HEARINGS TO ADOPT THE FIRST FIVE YEAR UPDATE OF THE ALTERNATIVE PLAN FOR THE TAHOE VALLEY SOUTH SUBBASIN (6-005.01) PURSUANT TO THE SUSTAINABLE GROUNDWATER MANAGEMENT ACT OF 2014

Pursuant to California Water Code Section 10728.4, the Groundwater Sustainability Agencies (GSAs) of the Tahoe Valley South Subbasin (TVS Subbasin) will hold Public Hearings to accept public comment and consider adoption of the first five-year update of the Alternative Plan for their respective management area of the TVS-Subbasin.

El Dorado Water Agency (EDWA) GSA: Wednesday, April 13, 2022 at 10:00 am. The public is invited to listen, observe, and provide comments during the meeting. This item is being considered as part of the EDWA monthly Board Meeting which is being held remotely. Call-in and Zoom meeting login information will be provided in the meeting agenda package that will be published by 5:00 pm on April 8, 2022. The agenda package can be found on the EDWA website at <https://www.edwateragency.org/Pages/Water-Agency-Meetings-and-Minutes.aspx>

South Tahoe Public Utility District (District) GSA: Thursdav. April

95667 Registered owner(s): Alex M Stewart, 4237 Greenstone Rd, Placerville, CA 95667 This business is conducted by an individual. The registrant commenced to transact business under the fictitious business name or names listed above on: 04/11/2017 Signature of Registrant: /s/ Alex Stewart ALEX STEWART I declare that all information in this statement is true and correct. (A registrant who declares as true any material matter pursuant to Section 17913 of the Business and Professions Code that the registrant knows to be false is guilty of a misdemeanor punishable by a fine not to exceed one thousand dollars (\$1,000.00).) This statement filed with the county clerk of El Dorado County on 03/14/2022.

NOTICE-IN ACCORDANCE WITH SUBDIVISION (a) OF SECTION 17920, A FICTITIOUS NAME STATEMENT GENERALLY EXPIRES AT THE END OF FIVE YEARS FROM THE DATE ON WHICH IT WAS FILED IN THE OFFICE OF THE COUNTY CLERK, EXCEPT, AS PROVIDED IN SUBDIVISION (b) OF SECTION 17920, WHERE IT EXPIRES 40 DAYS AFTER ANY CHANGE IN THE FACTS SET FORTH IN THE STATEMENT PURSUANT TO SECTION 17913 OTHER THAN A CHANGE IN THE RESIDENCE ADDRESS OF A REGISTERED OWNER. A NEW FICTITIOUS BUSINESS NAME STATEMENT MUST BE FILED BEFORE THE EXPIRATION. THE FILING OF THIS STATEMENT DOES NOT OF ITSELF AUTHORIZE THE USE IN THIS STATE OF A FICTITIOUS BUSINESS NAME IN VIOLATION OF THE RIGHTS OF ANOTHER UNDER FEDERAL, STATE, OR COMMON LAW (see section 14411 ET SEQ., Business and Professions Code) 3/23, 3/30, 4/6, 4/13 10175

FICTITIOUS BUSINESS NAME STATEMENT FILE NO. FB2022-0336

The following person(s) is/are doing business as: CHICKENS, DUCKS, & EGGS OH MY, located at 4560 Bull Head Lane, Placerville, CA 95667 Registered owner(s): Linda L Boyko, 4560 Bull Head Lane, Placerville, CA 95667 This business is conducted by an individual.

The registrant commenced to transact business under the fictitious business name or names listed above on: 03/15/2022

Signature of Registrant: /s/ Linda Boyko LINDA BOYKO

I declare that all information in this statement is true and correct. (A registrant who declares as true any material matter pursuant to Section 17913 of the Business and Professions Code that the registrant knows to be false is guilty of a misdemeanor punishable by a fine not to exceed one thousand dollars (\$1,000.00).) This statement filed with the county clerk of El Dorado County on 03/17/2022.

NOTICE-IN ACCORDANCE WITH SUBDIVISION (a) OF SECTION 17920, A FICTITIOUS NAME STATEMENT GENERALLY EXPIRES

Signature of Registrant: /s/ Sandra Stephenson SANDRA STEPHENSON, PRESIDENT

I declare that all information in this statement is true and correct. (A registrant who declares as true any material matter pursuant to Section 17913 of the Business and Professions Code that the registrant knows to be false is guilty of a misdemeanor punishable by a fine not to exceed one thousand dollars (\$1,000.00).) This statement filed with the county clerk of El Dorado County on 03/01/2022.

NOTICE-IN ACCORDANCE WITH SUBDIVISION (a) OF SECTION 17920, A FICTITIOUS NAME STATEMENT GENERALLY EXPIRES AT THE END OF FIVE YEARS FROM THE DATE ON WHICH IT WAS FILED IN THE OFFICE OF THE COUNTY CLERK, EXCEPT, AS PROVIDED IN SUBDIVISION (b) OF SECTION 17920, WHERE IT EXPIRES 40 DAYS AFTER ANY CHANGE IN THE FACTS SET FORTH IN THE STATEMENT PURSUANT TO SECTION 17913 OTHER THAN A CHANGE IN THE RESIDENCE ADDRESS OF A REGISTERED OWNER. A NEW FICTITIOUS BUSINESS NAME STATEMENT MUST BE FILED BEFORE THE EXPIRATION.

THE FILING OF THIS STATEMENT DOES NOT OF ITSELF AUTHORIZE THE USE IN THIS STATE OF A FICTITIOUS BUSINESS NAME IN VIOLATION OF THE RIGHTS OF ANOTHER UNDER FEDERAL, STATE, OR COMMON LAW (see section 14411 ET SEQ., Business and Professions Code) 3/23, 3/30, 4/6, 4/13 10178

PUBLIC NOTICE

Shareholders of Placerville Gold Mining Co. are hereby notified of the annual shareholders meeting scheduled the week of May 16th, 2022. Call (703) 582-8112 for details. 3/30, 4/1, 4/4, 4/6, 4/8, 4/11 10200

T.S. NO.: 21-25725 A.P.N.: 098-160-039-000 NOTICE OF TRUSTEE'S SALE

YOU ARE IN DEFAULT UNDER A DEED OF TRUST DATED 9/25/2019. UNLESS YOU TAKE ACTION TO PROTECT YOUR PROPERTY, IT MAY BE SOLD AT A PUBLIC SALE. IF YOU NEED AN EXPLANATION OF THE NATURE OF THE PROCEEDING AGAINST YOU, YOU SHOULD CONTACT A LAWYER. A public auction sale to the highest bidder for cash, cashier's check drawn on a state or national bank, check drawn by a state or federal credit union, or a check drawn by a state or federal savings and loan association, or savings association, or savings bank specified in Section 5102 of the Financial Code and authorized to do business in this state will be held by the duly appointed trustee as shown below, of all right, title, and interest conveyed to and now held by the trustee in the hereinafter described property under and pursuant to a Deed of Trust described below. The sale will be made, but without covenant or warranty, expressed or implied, regarding title, possession, or encumbrances, to pay the remaining principal sum of the note(s) secured by the Deed of Trust, with interest and late charges thereon, as provided in the note(s).

the county recorder's office or a title insurance company, either of which may charge you a fee for this information. If you consult either of these resources, you should be aware that the same lender may hold more than one mortgage or deed of trust on the property. NOTICE TO PROPERTY OWNER: The sale date shown on this notice of sale may be postponed one or more times by the mortgagee, beneficiary, trustee, or a court, pursuant to Section 2924g of the California Civil Code. The law requires that information about trustee sale postponements be made available to you and to the public, as a courtesy to those not present at the sale. If you wish to learn whether your sale date has been postponed, and, if applicable, the rescheduled time and date for the sale of this property, you may call (855) 882-1314 or visit this Internet Web site www.Hubzu.com, using the file number assigned to this case 21-25725. Information about postponements that are very short in duration or that occur close in time to the scheduled sale may not immediately be reflected in the telephone information or on the Internet Web site. The best way to verify postponement information is to attend the scheduled sale. For sales conducted after January 1, 2021: NOTICE TO TENANT: You may have a right to purchase this property after the trustee auction pursuant to Section 2924m of the California Civil Code. If you are an "eligible tenant buyer," you can purchase the property if you match the last and highest bid placed at the trustee auction. If you are an "eligible bidder," you may be able to purchase the property if you exceed the last and highest bid placed at the trustee auction. There are three steps to exercising this right of purchase. First, 48 hours after the date of the trustee sale, you can call (855) 882-1314, or visit this internet website www.Hubzu.com, using the file number assigned to this case 21-25725 to find the date on which the trustee's sale was held, the amount of the last and highest bid, and the address of the trustee. Second, you must send a written notice of intent to place a bid so that the trustee receives it no more than 15 days after the trustee's sale. Third, you must submit a bid so that the trustee receives it no more than 45 days after the trustee's sale. If you think you may qualify as an "eligible tenant buyer" or "eligible bidder," you should consider contacting an attorney or appropriate real estate professional immediately for advice regarding this potential right to purchase. Date: 03/22/2022 Carrington Foreclosure Services, LLC 1500 South Douglass Road, Suite 150 Anaheim, CA 92806 Automated Sale Information: (855) 882-1314 or www.Hubzu.com for NON-SALE information: 888-313-1969 Vanessa Pessina, Trustee-Sale Specialist 3/30, 4/6, 4/13 10201

NOTICE OF PETITION TO ADMINISTER ESTATE OF TINA MARIE PEABODY CASE NO. 22PR0078

To all heirs, beneficiaries, creditors, contingent creditors, and persons who may otherwise be interested in the will or estate, or both, of TINA MARIE PEABODY

facilities to due to dev Members to commel May 17, 2 at the open P.M. on Ma location: 4675 Mis CA 95667 Materials available f District O Missouri f 95667. Dated: 3/31 3/30, 4/6

FICTITIOUS FILE

The following business is located at Placerville, Registered Alison M. Valley Road This business is an individual. The registrant transacted business above on: Signature of M Cameron ALISON M. I declare this statement is true and correct. (A registrant who declares as true any material matter pursuant to Section 17913 of the Business and Professions Code that the registrant knows to be false is guilty of a misdemeanor punishable by a fine not to exceed one thousand dollars (\$1,000.00).) This statement filed with the county clerk of El Dorado County on 03/25/2022. NOTICE-IN ACCORDANCE WITH SUBDIVISION (a) OF SECTION 17920, A FICTITIOUS NAME STATEMENT GENERALLY EXPIRES AT THE END OF FIVE YEARS FROM THE DATE ON WHICH IT WAS FILED IN THE OFFICE OF THE COUNTY CLERK, EXCEPT, AS PROVIDED IN SUBDIVISION (b) OF SECTION 17920, WHERE IT EXPIRES 40 DAYS AFTER ANY CHANGE IN THE FACTS SET FORTH IN THE STATEMENT PURSUANT TO SECTION 17913 OTHER THAN A CHANGE IN THE RESIDENCE ADDRESS OF A REGISTERED OWNER. A NEW FICTITIOUS BUSINESS NAME STATEMENT MUST BE FILED BEFORE THE EXPIRATION. THE FILING OF THIS STATEMENT DOES NOT OF ITSELF AUTHORIZE THE USE IN THIS STATE OF A FICTITIOUS BUSINESS NAME IN VIOLATION OF THE RIGHTS OF ANOTHER UNDER FEDERAL, STATE, OR COMMON LAW (see section 14411 ET SEQ., Business and Professions Code) 3/30, 4/6, 4/13 10201

FICTITIOUS FILE

The following business is located at Placerville, Registered by Robert T Bin

Notices

- E-mail your public notice to legals@mtdemocrat.net
- Be sure to include your name and phone number

21st, 2022, at 2:15 pm, or as soon thereafter as the matter may be heard, at the District Board Room, 1275 Meadow Crest Drive, South Lake Tahoe, Ca 96150.

The first-five-year update of the Alternative Plan provides new information to facilitate periodic review by the California Department of Water Resources and was prepared as required by the Sustainable Groundwater Management Act of 2014. The Alternative Plan was prepared by the District, as plan manager, on behalf of the District and El Dorado Water Agency and applies to lands within the full extent of the TVS Subbasin. Comments received before and during the public hearings will be considered by the Board of Directors as it determines whether to adopt the proposed first five-year update of the Alternative Plan for the portion of the TVS Subbasin located within its jurisdictional boundaries. For additional details and to download a copy of the draft first five-year update of the Alternative Plan, visit <https://stpud.us/news/groundwater-management-plan/> for more information, contact the Plan Manager at (530) 543-6204. 3/23, 3/30

10172

AMENDED ORDER TO SHOW CAUSE FOR CHANGE OF NAME
CASE NUMBER: 22CV0198

TO ALL INTERESTED PERSONS:
1. Petitioner: Donna Piparo filed a petition with this court for a decree changing names as follows:
Present name: LIVIA LOU WESTMORELAND
Proposed name: LIVIA LOU DARBY
2. THE COURT ORDERS that all persons interested in this matter appear before this court at the hearing indicated below to show cause, if any, why the petition for change of name should not be granted. Any person objecting to the name changes described above must file a written objection that includes the reasons for the objection at least two court days before the matter is scheduled to be heard and must appear at the hearing to show cause why the petition should not be granted. If no written objection is timely filed, the court may grant the petition without a hearing.
NOTICE OF HEARING:
MAY 20, 2022, 8:30 A.M. DEPT. 9 AT SUPERIOR COURT OF CALIFORNIA, COUNTY OF EL DORADO, 3321 Cameron Park Drive, Cameron Park, CA 95682.
3. A copy of the ORDER TO SHOW CAUSE shall be published at least once each week for four successive weeks prior to the date set for hearing on the petition in the following newspaper of general circulation, printed in this county: Mountain Democrat.
This order has been filed on MARCH 17, 2022.
/s/ Michael J. McLaughlin
MICHAEL J. MCLAUGHLIN, Judge of the Superior Court
3/23, 3/30, 4/6, 4/13

10174

AT THE END OF FIVE YEARS FROM THE DATE ON WHICH IT WAS FILED IN THE OFFICE OF THE COUNTY CLERK, EXCEPT, AS PROVIDED IN SUBDIVISION (b) OF SECTION 17920, WHERE IT EXPIRES 40 DAYS AFTER ANY CHANGE IN THE FACTS SET FORTH IN THE STATEMENT PURSUANT TO SECTION 17913 OTHER THAN A CHANGE IN THE RESIDENCE ADDRESS OF A REGISTERED OWNER. A NEW FICTITIOUS BUSINESS NAME STATEMENT MUST BE FILED BEFORE THE EXPIRATION. THE FILING OF THIS STATEMENT DOES NOT OF ITSELF AUTHORIZE THE USE IN THIS STATE OF A FICTITIOUS BUSINESS NAME IN VIOLATION OF THE RIGHTS OF ANOTHER UNDER FEDERAL, STATE, OR COMMON LAW (see section 14411 ET SEQ., Business and Professions Code) 3/23, 3/30, 4/6, 4/13

10176

ORDER TO SHOW CAUSE FOR CHANGE OF NAME
CASE NUMBER: 22CV0343

TO ALL INTERESTED PERSONS:
1. Petitioner: Michelle Lee Davis filed a petition with this court for a decree changing names as follows:
Present name: MICHELLE LEE DAVIS
Proposed name: MISHA LEE
2. THE COURT ORDERS that all persons interested in this matter appear before this court at the hearing indicated below to show cause, if any, why the petition for change of name should not be granted. Any person objecting to the name changes described above must file a written objection that includes the reasons for the objection at least two court days before the matter is scheduled to be heard and must appear at the hearing to show cause why the petition should not be granted. If no written objection is timely filed, the court may grant the petition without a hearing.
NOTICE OF HEARING:
MAY 6, 2022, 8:30 A.M. DEPT. 9 AT SUPERIOR COURT OF CALIFORNIA, COUNTY OF EL DORADO, 3321 Cameron Park Drive, Cameron Park, CA 95682.
3. A copy of the ORDER TO SHOW CAUSE shall be published at least once each week for four successive weeks prior to the date set for hearing on the petition in the following newspaper of general circulation, printed in this county: Mountain Democrat.
This order has been filed on MARCH 17, 2022.
/s/ Dylan Sullivan
DYLAN SULLIVAN, Judge of the Superior Court
3/23, 3/30, 4/6, 4/13

10177

FICTITIOUS BUSINESS NAME STATEMENT
FILE NO. FB2022-0251

The following person(s) is/are doing business as: ALLEGRO, located at 4242 Sports Club Drive, Suite S, Shingle Springs, CA 95682/Mailing Address: 11230 Gold Express Drive, Suite 217, Gold River, CA 95670
Registered owner(s):

advances, under the terms of the Deed of Trust, interest thereon, fees, charges and expenses of the Trustee for the total amount (at the time of the initial publication of the Notice of Sale) reasonably estimated to be set forth below. The amount may be greater on the day of sale. BENEFICIARY MAY ELECT TO BID LESS THAN THE TOTAL AMOUNT DUE. Trustor: EDSON RIVERA AND KAYLA RIVERA, HUSBAND AND WIFE AS JOINT TENANTS Duly Appointed Trustee: Carrington Foreclosure Services, LLC Recorded 10/1/2019 as Instrument No. 2019-0041237-00 in book , page of Official Records in the office of the Recorder of El Dorado County, California, Described as follows: AS FULLY DESCRIBED IN SAID DEED OF TRUST Date of Sale: 4/20/2022 at 10:00 AM Place of Sale: AT THE MAIN ENTRANCE TO THE COUNTY COURTHOUSE 495 MAIN STREET, PLACERVILLE, CA 95667 Amount of unpaid balance and other charges: \$517,616.43 (Estimated) Street Address or other common designation of real property: 4710 DUSTY LANE PLACERVILLE, CA 95667 A.P.N.: 098-160-039-000 The undersigned Trustee disclaims any liability for any incorrectness of the street address or other common designation, if any, shown above. If no street address or other common designation is shown, directions to the location of the property may be obtained by sending a written request to the beneficiary within 10 days of the date of first publication of this Notice of Sale. If the Trustee is unable to convey title for any reason, the successful bidder's sole and exclusive remedy shall be the return of monies paid to the Trustee, and the successful bidder shall have no further recourse. If the sale is set aside for any reason, the Purchaser at the sale shall be entitled only to a return of the deposit paid. The Purchaser shall have no further recourse against the Mortgagee, the Mortgagee, or the Mortgagee's Attorney. If you have previously been discharged through bankruptcy, you may have been released of personal liability for this loan in which case this letter is intended to exercise the note holder's rights against the real property only. THIS NOTICE IS SENT FOR THE PURPOSE OF COLLECTING A DEBT. THIS FIRM IS ATTEMPTING TO COLLECT A DEBT ON BEHALF OF THE HOLDER AND OWNER OF THE NOTE. ANY INFORMATION OBTAINED BY OR PROVIDED TO THIS FIRM OR THE CREDITOR WILL BE USED FOR THAT PURPOSE. As required by law, you are hereby notified that a negative credit report reflecting on your credit record may be submitted to a credit report agency if you fail to fulfill the terms of your credit obligations. NOTICE TO POTENTIAL BIDDERS: If you are considering bidding on this property lien, you should understand that there are risks involved in bidding at a trustee auction. You will be bidding on a lien, not on the property itself. Placing the highest bid at a trustee auction does not automatically entitle you to free and clear ownership of the

A PETITION for Probate has been filed by ROBERT LAWRENCE PEABODY II in the Superior Court of California, County of El Dorado. THE PETITION for probate requests that ROBERT LAWRENCE PEABODY II be appointed as personal representative to administer the estate of the decedent. THE PETITION requests authority to administer the estate under the Independent Administration of Estates Act. (This authority will allow the personal representative to take many actions without obtaining court approval. Before taking certain very important actions, however, the personal representative will be required to give notice to interested persons unless they have waived notice or consented to the proposed action.) The independent administration authority will be granted unless an interested person files an objection to the petition and shows good cause why the court should not grant the authority. A hearing on the petition will be held in this court as follows: May 11, 2022 at 8:30 a.m. in Dept. 8 at 295 Fair Lane, Placerville, CA 95667 IF YOU OBJECT to the granting of the petition, you should appear at the hearing and state your objections or file written objections with the court before the hearing. Your appearance may be in person or by your attorney. IF YOU ARE A CREDITOR or a contingent creditor of the decedent, you must file your claim with the court and mail a copy to the personal representative appointed by the court within the later of either (1) four months from the date of first issuance of letters to a general personal representative, as defined in section 58(b) of the California Probate Code, or (2) 60 days from the date of mailing or personal delivery to you of a notice under section 9052 of the California Probate Code. Other California statutes and legal authority may affect your rights as a creditor. You may want to consult with an attorney knowledgeable in California law. YOU MAY EXAMINE the file kept by the court. If you are a person interested in the estate, you may file with the court a Request for Special Notice (form DE-154) of the filing of an inventory and appraisal of estate assets or of any petition or account as provided in Probate Code section 1250. A Request for Special Notice form is available from the court clerk. Attorney for Petitioner: PAUL R. KRAFT Law Office of Paul R. Kraft 5170 Golden Foothill Parkway El Dorado Hills, CA 95762 (530) 344-0204 3/30, 4/6, 4/13

10202

NOTICE OF HEARING REGARDING PROPOSED ADOPTION OF A DEVELOPER FEE STUDY AND THE INCREASE OF THE STATUTORY SCHOOL FEE

NOTICE IS HEREBY GIVEN that the Governing Board of the El Dorado Union High School District will hold a hearing and consider input from the public on the proposed

Greenwood, CA 95635 This business is conducted by Individual. The registrant commenced transact business under the fictitious business name or names listed above on: 01/12/2022 Signature of Registrant: /s/ Robert Bingham ROBERT T BINGHAM I declare that all information in this statement is true and correct (A registrant who declares as true any material matter pursuant to Section 17913 of the Business and Professions Code that the registrant knows to be false is guilty of a misdemeanor punishable by a fine not to exceed one thousand dollars (\$1,000.00) This statement filed with the court clerk of El Dorado County on 03/25/2022. NOTICE-IN ACCORDANCE WITH SUBDIVISION (a) OF SECTION 17920, A FICTITIOUS NAME STATEMENT GENERALLY EXPIRE AT THE END OF FIVE YEARS FROM THE DATE ON WHICH IT WAS FILED IN THE OFFICE OF THE COUNTY CLERK, EXCEPT, AS PROVIDED IN SUBDIVISION (b) OF SECTION 17920, WHERE IT EXPIRES 40 DAYS AFTER ANY CHANGE IN THE FACTS SET FORTH IN THE STATEMENT PURSUANT TO SECTION 17913 OTHER THAN A CHANGE IN THE RESIDENCE ADDRESS OF A REGISTERED OWNER. A NEW FICTITIOUS BUSINESS NAME STATEMENT MUST BE FILED BEFORE THE EXPIRATION. THE FILING OF THIS STATEMENT DOES NOT OF ITSELF AUTHORIZE THE USE IN THIS STATE OF A FICTITIOUS BUSINESS NAME IN VIOLATION OF THE RIGHTS OF ANOTHER UNDER FEDERAL, STATE, OR COMMON LAW (see section 14411 ET SEQ., Business and Professions Code) 3/30, 4/6, 4/13, 4/20

10205

FICTITIOUS BUSINESS NAME STATEMENT
FILE NO. FB2022-0330

The following person(s) is/are doing business as: GONE FOR GOOD, located at 1189 Funny Bug Road, Placerville, CA 95667 Registered owner(s): Ryan A Montgomery, 1189 Funny Bug Road, Placerville, CA 95667 This business is conducted by an individual. The registrant commenced to transact business under the fictitious business name or names listed above on: 03/15/2022 Signature of Registrant: /s/ Ryan Montgomery RYAN MONTGOMERY I declare that all information in this statement is true and correct. (A registrant who declares as true any material matter pursuant to Section 17913 of the Business and Professions Code that the registrant knows to be false is guilty of a misdemeanor

NEVADA COUNTY
PUBLISHING COMPANY
South Lake Tahoe, CA

AFFIDAVIT OF PUBLICATION



Proof and Statement of
Publication

Ad #: 206567

See Proof on Next Page

Customer Account #:

Reference: 4CD01 5year update

Legal Account

Star Glaze

1275 Meadow Crest Dr

County of El Dorado, State of California. The undersigned, **Bailee Liston**, being the principal clerk of the **Nevada County Publishing Co.** declares that the **Nevada County Publishing Co.** now is, and during all times herein named, was a corporation duly organized and existing under the laws of the State of California, and now is, and during all times herein named was the printer of **Tahoe Daily Tribune**, a newspaper of general circulation, as defined by section 6000 of the Government Code of the State of California, printed and published daily (Sundays excepted) in the City of South Lake Tahoe, County of El Dorado, State of California, and that affiant is the principal clerk of said Nevada County Publishing Co.

That the printed advertisement hereto annexed was published in the said Tahoe Daily Tribune, for the full required period of **2** time(s) commencing on **8 Apr 2022**, and ending on **15 Apr 2022**, all days inclusive.

I certify, under penalty of perjury, the forgoing is true and correct.

Signed: *Bailee Liston*

Legals Advertising Clerk

PUBLIC NOTICE OF PUBLIC HEARINGS TO ADOPT THE FIRST FIVE YEAR UPDATE OF THE ALTERNATIVE PLAN FOR THE TAHOE VALLEY SOUTH SUBBASIN (6-005.01) PURSUANT TO THE SUSTAINABLE GROUNDWATER MANAGEMENT ACT OF 2014

Pursuant to California Water Code Section 10728.4, the Groundwater Sustainability Agencies (GSAs) of the Tahoe Valley South Subbasin (TVS Subbasin) will hold Public Hearings to accept public comment and consider adoption of the first five-year update of the Alternative Plan for their respective management area of the TVS Subbasin.

- El Dorado Water Agency (EDWA) GSA: Wednesday, April 13, 2022, at 10:00 am. The public is invited to listen, observe, and provide comments during the meeting. This item is being considered as part of the EDWA monthly Board Meeting which is being held remotely. Call-in and Zoom meeting login information will be provided in the meeting agenda package that will be published by 5:00 pm on April 8, 2022. The agenda package can be found on the EDWA website at <https://www.edwateragency.org/Pages/Water-Agency-Meetings-and-Minutes.aspx>.
- South Tahoe Public Utility District (District) GSA: Thursday, April 21st, 2022, at 2:15 pm, or as soon thereafter as the matter may be heard, at the District Board Room, 1275 Meadow Crest Drive, South Lake Tahoe, Ca 96150.

The first five-year update of the Alternative Plan provides new information to facilitate periodic review by the California Department of Water Resources and was prepared as required by the Sustainable Groundwater Management Act of 2014. The Alternative Plan was prepared by the District, as plan manager, on behalf of the District and El Dorado Water Agency and applies to lands within the full extent of the TVS Subbasin. Comments received before and during the public hearings will be considered by the Board of Directors as it determines whether to adopt the proposed first five-year update of the Alternative Plan for the portion of the TVS Subbasin located within its jurisdictional boundaries. For additional details and to download a copy of the draft first five-year update of the Alternative Plan, visit <https://stpd.us/news/groundwater-management-plan/>. For more information, contact the Plan Manager at (530) 543-6204.

Published: April 8, 15, 2022

APPENDIX E

Groundwater Management Ordinances

ORDINANCE NO. 558-14

AN ORDINANCE OF THE SOUTH TAHOE PUBLIC UTILITY DISTRICT AMENDING DIVISION 7 OF THE ADMINISTRATIVE CODE, AMENDING THE DISTRICT'S GROUNDWATER MANAGEMENT ORDINANCE, AND SUPERSEDING ORDINANCE NUMBER 477-00 IN ITS ENTIRETY

BE IT ENACTED, by the Board of Directors of the South Tahoe Public Utility District, County of El Dorado, California, as follows:

SECTION I- PURPOSE, POLICY AND CITATION

The purpose of this Ordinance is to amend the groundwater management ordinance of the South Tahoe Public Utility District, El Dorado County, State of California (District), coincident with the District's update to its groundwater management plan, pursuant to the Groundwater Management Act (California Water Code sections 10750, et. seq.).

SECTION II- FINDINGS

The District's Board of Directors makes the following findings:

1. The Tahoe South Subbasin of the Tahoe Valley Groundwater Basin (6-5.01) is located within the District's boundaries;
2. In December 2000, the District enacted Ordinance No. 477-00 adding Division 7 to the Administrative Code authorizing the administration of the Tahoe Valley South (6-5.01) Groundwater Management Plan ("2000 TVS Basin GWMP") pursuant to California Water Code section 10750, et seq.;
3. The District desires to update the 2000 TVS Basin GWMP in order to ensure compliance with current requirements in California Water Code section 10750 et. seq., AB 3030 and SB 1938;
4. A twelve-member Stakeholder Advisory Group (SAG) was convened and met four times in 2014 (April 16, May 14, June 4 and September 24) to provide input from the public, local agencies and business owners as to updating the 2000 TVS Basin GWMP ("2014 TVS Basin GWMP");
5. The 2014 TVS Basin GWMP is in accordance with Assembly Bill 3030 ("AB 3030"), also called the Groundwater Management Act (Section 10750 et. seq. of the California Water Code) and Senate Bill 1938 ("SB 1938"). The purpose of the 2014 TVS Basin GWMP is to implement Basin Management Objectives ("BMO") to manage

groundwater supplies, protect groundwater quality, and foster stakeholder involvement. The Plan is a separate report that provides the technical and planning information supporting this Ordinance;

6. The Board of Directors, pursuant to Resolution 2969-14, has adopted its 2014 TVS Basin GWMP;

7. The Groundwater Management Ordinance provides the District with a mechanism to regulate and protect District's groundwater resources so that groundwater will remain a viable potable water resource and be available to be put to the most efficient and beneficial use by the District and its customers;

8. The District is an authorized groundwater management agency within the meaning of California Water Code Section 10753(a) and assumes responsibility for managing the quantity and quality of the Groundwater resources within the 2014 TVS Basin GWMP Plan Area pursuant to this Ordinance. Pursuant to California Water Code section 10754, the District may exercise the authority of a water replenishment district pursuant to Part 4 (commencing with section 60220) of Division 18 for the protection and preservation of the District's Groundwater resources;

9. Public notice of this Ordinance was duly given, authorized, posted and published, as required by law; and

10. Because groundwater is the predominant source of the District's drinking water supply within, the Board of Directors finds it advisable and in the best interests of the District to implement the Ordinance for comprehensive groundwater management.

SECTION III- AMENDMENT OF DIVISION 7 OF ADMINISTRATIVE CODE

The provisions of this Ordinance amending Division 7, Sections 7.1 through 7.10, inclusive, of the District's Administrative Code, are incorporated by this reference. This Ordinance supersedes Ordinance Number 477-00 in its entirety.

SECTION IV- SEVERABILITY

If any section, subsection, subdivision, paragraph, sentence, clause or phrase of this Ordinance and its implementing rules and regulations is for any reason held to be unconstitutional or invalid, such decision shall not affect the validity of the remaining portions of this Ordinance or the Administrative Code. The Board of Directors declares and determines that it would have passed section, subsection, subdivision, paragraph, sentence, clause or phrase thereof of this Ordinance and its implementing rules and regulations and the Administrative Code irrespective of the fact that any one or more

sections, subsections, subdivisions, paragraphs, sentences, clauses or phrases may be determined to be unconstitutional or invalid.

SECTION V- EFFECTIVE DATE

This Ordinance amending Division 7 to the Administrative Code shall take effect thirty (30) days after its passage.

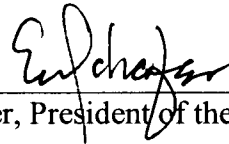
PASSED AND ADOPTED by the Board of Directors of the South Tahoe Public Utility District at its Special Board Meeting on the 4th day of December, 2014, by the following vote:

AYES: Cefalu, Vogelgesang, Sheehan, Schafer

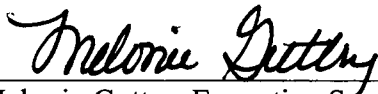
NOES: None

ABSENT: Jones

DATED: December 4, 2014



Eric Schafer, President of the Board



Melonie Guttry, Executive Services Manager

ORDINANCE NO. 580-22

**AN ORDINANCE OF THE SOUTH TAHOE PUBLIC UTILITY DISTRICT
REPEALING IN ITS ENTIRETY SECTION 7 OF THE SOUTH TAHOE PUBLIC
UTILITY DISTRICT ADMINISTRATIVE CODE CONCERNING THE
GROUNDWATER MANAGEMENT PLAN**

BE IT ENACTED by the Board of Directors of the South Tahoe Public Utility District, County of El Dorado, State of California, as follows:

SECTION 1 – POLICY AND PURPOSE

The purpose of this Ordinance is to repeal in its entirety Section 7 of the District’s Administrative Code concerning the District’s Groundwater Management Plan as a result of the District’s adoption of an alternative to a groundwater sustainability plan in compliance with the Sustainable Groundwater Management Act.

SECTION II – DEFINITIONS

For the purposes of this Ordinance, the terms used herein are defined as follows:

- A. The District – The South Tahoe Public Utility District.
- B. The Board of Directors – The Board of Directors of the South Tahoe Public Utility District.
- C. Administrative Code – The compilation and codification of all of the Administrative, Water, Sewer and Groundwater Management Plan Ordinances of the District, which establish the authority and the principles for the decisions of the District, and provide the public with guidelines applicable to District operations.

SECTION III – FINDINGS

The Board of Directors of the South Tahoe Public Utility District, County of El Dorado, State of California, make the following findings:

1. In December 2000, the District enacted Ordinance No. 477-00 adding Section 7 to the Administrative Code authorizing the administration of the Tahoe Valley South Subbasin (“TVS Subbasin”) Groundwater Management Plan (“2000 GWMP”) pursuant to California Water Code section 10750, et seq.
2. On December 4, 2014, the District adopted Resolution No. 2969-14 and enacted Ordinance 558-14 to update the 2000 GMP (“2014 GWMP”) in order to ensure compliance with the requirements of California Water Code section 10750 et. seq., AB 3030 and SB 1938.

3. In 2014, the California Legislature adopted, and the Governor signed into law, the Sustainable Groundwater Management Act ("SGMA"), which authorizes local agencies overlying all or a portion of a groundwater basin to manage groundwater in a sustainable fashion.
4. On August 2, 2015, in accordance with SGMA, the District submitted a Groundwater Sustainability Agency ("GSA") Formation Notification to the California Department of Water Resources ("DWR") and as of November 17, 2015 was recognized by DWR as the exclusive GSA for the portion of the TVS Subbasin located within its jurisdictional boundaries.
5. On December 29, 2016, in accordance with SGMA, the District submitted to DWR the 2014 GWMP and relevant documents completed following adoption of the 2014 GWMP (other materials) for evaluation as an existing plan alternative to a groundwater sustainability plan for the TVS Subbasin.
6. On July 17, 2019, DWR determined that the 2014 GWMP and other materials submitted by the District satisfied the objectives of SGMA and approved it as an existing plan alternative to a groundwater sustainability plan for the TVS Subbasin ("Alternative Plan").
7. On April 21, 2022, the District Board of Directors adopted Resolution 3215-22 adopting the first five-year update of the Alternative Plan pursuant to the California Public Utility Code and SGMA; and,
8. Because DWR approved the Alternative Plan and the District adopted the first five-year update of the Alternative Plan, the District Board of Directors has determined that the 2014 GWMP has been replaced by the Alternative Plan and, as a result, Section 7 of the Administrative Code should be repealed in its entirety.

SECTION IV – REPEAL SECTION 7 OF THE ADMINISTRATIVE CODE IN ITS ENTIRETY

Section 7 of the Administrative Code is repealed in its entirety.

SECTION V – SEVERABILITY

If any section, subsection, subdivision, paragraph, sentence, clause or phrase of this Ordinance and its implementing rules and regulations is for any reason held to be unconstitutional or invalid, such decision shall not affect the validity of the remaining portions of this Ordinance or the Administrative Code. The Board of Directors declares and determines that it would have passed section, subsection, subdivision, paragraph, sentence, clause or phrase thereof of this Ordinance and its implementing rules and regulations and the Administrative Code irrespective of the fact that any one or more sections, subsections, subdivisions, paragraphs, sentences, clauses or phrases may be determined to be unconstitutional or invalid.

SECTION VI – EFFECTIVE DATE

This Ordinance repealing Section 7 of the Administrative Code shall take effect thirty (30) days after its passage.

SECTION VII – CEQA EXEMPTION

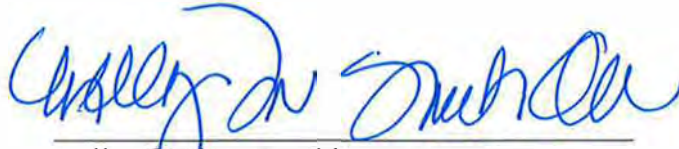
This Ordinance is not subject to the California Environmental Quality Act (“CEQA”) pursuant to, including by not limited to, CEQA Guidelines Sections 15060(c)(2) (the activity will not result in a direct or reasonably foreseeable indirect physical change in the environment), 15060(c)(3) (the activity is not a project as defined in Section 15378 of the CEQA Guidelines because it has no potential for resulting in physical change to the environment, directly or indirectly), 15061(b)(3) (it can be seen with certainty that there is no possibility that the activity in question may have a significant effect on the environment), 15262 (involving feasibility and planning studies), and Water Code Section 10728.6 (exempting the adoption of an alternative to a groundwater sustainability plan from CEQA under SGMA).

PASSED AND ADOPTED the Board of Directors of the South Tahoe Public Utility District at its duly held regular meeting on the 21st day of April, 2022, by the following vote:

AYES: Romsos, Sheehan, Exline

NOES: None

ABSENT: Cefalu, Peterson



Kelly Sheehan, President
South Tahoe Public Utility District

ATTEST: 

Melonie Guttry, Clerk of the Board
South Tahoe Public Utility District

APPENDIX F

Subsurface Sections

South Upper Truckee
Well No. 3
~6398'

CHRISTMAS VALLEY SECTION

MEYERS SECTION

Henderson Test Well
6362'

Flagpole Test Hole
~6322'

Seneca Test Well
~6472'

Echo Creek Ranch
Well No. 2
6434'

Meyers Warm Spring

Mountain View Well
~6315'

Mountain View Subdivision
Well No. 1
~6320'

Angora
Creek

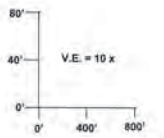
ELEVATION (ft msl)

Interval	Material	Remarks
0-10	Gravel	
10-20	Sand	
20-30	Sand	
30-40	Sand	
40-50	Sand	
50-60	Sand	
60-70	Sand	
70-80	Sand	
80-90	Sand	
90-100	Sand	
100-110	Sand	
110-120	Sand	
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980-990	Sand	
990-1000	Sand	

Interval	Material	Remarks
0-10	Gravel	
10-20	Sand	
20-30	Sand	
30-40	Sand	
40-50	Sand	
50-60	Sand	
60-70	Sand	
70-80	Sand	
80-90	Sand	
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Interval	Material	Remarks
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10-20	Sand	
20-30	Sand	
30-40	Sand	
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990-1000	Sand	

Interval	Material	Remarks
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950-960	Sand	
960-970	Sand	
970-980	Sand	
980-990	Sand	
990-1000	Sand	



DRINKING WATER AQUIFERS OF THE SOUTH TAHOE PUBLIC UTILITY DISTRICT

SECTION A - A

DATE: 2005	V.E.: 10 x	DRAWN: J.S.
SCALE: VERTICAL 1"=40'		CHECKED: J.S.
FILE: 2005-01	HORIZONTAL 1"=400'	SHEET: 3 OF 12 SHEETS

Henderson Test Well
6362'

CLIENT: HENDERSON PROJECT: HENDERSON	
WELL NO.: 6362 DATE: 10/15/03 LOCATION: 1000' N, 1000' W OF HENDERSON	WELL DEPTH: 6362' WELL TYPE: TEST WELL WELL STATUS: ACTIVE
WELL OWNER: HENDERSON WELL OPERATOR: HENDERSON	WELL LOGGING: HENDERSON WELL LOGGING DATE: 10/15/03

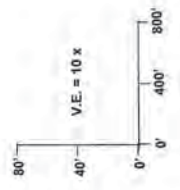
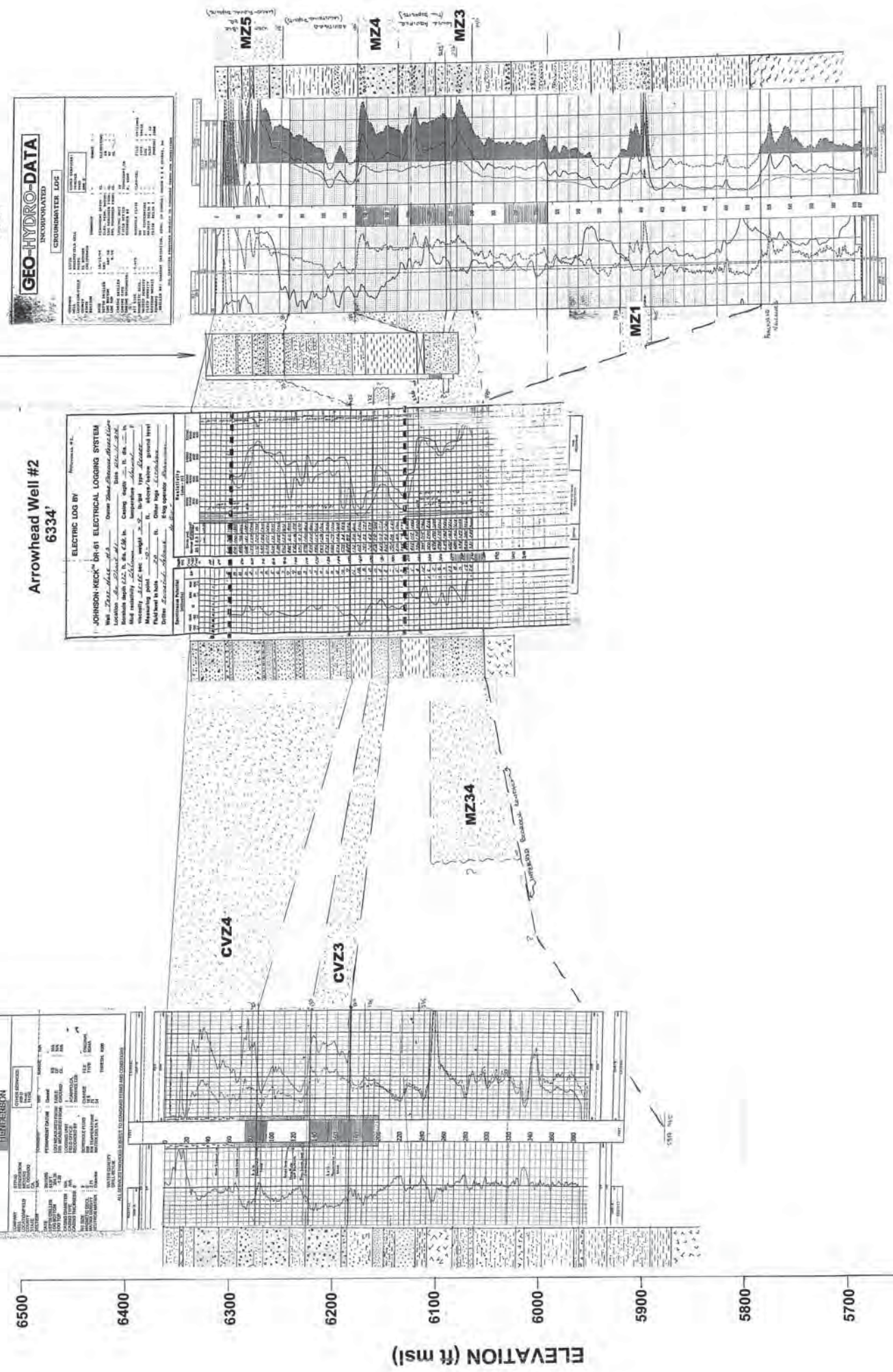
ESB-2
6316'

Bakersfield Well
6306'

CLIENT: BAKERSFIELD PROJECT: BAKERSFIELD	
WELL NO.: 6306 DATE: 10/15/03 LOCATION: 1000' N, 1000' W OF BAKERSFIELD	WELL DEPTH: 6306' WELL TYPE: TEST WELL WELL STATUS: ACTIVE
WELL OWNER: BAKERSFIELD WELL OPERATOR: BAKERSFIELD	WELL LOGGING: BAKERSFIELD WELL LOGGING DATE: 10/15/03

Arrowhead Well #2
6334'

CLIENT: ARROWHEAD PROJECT: ARROWHEAD	
WELL NO.: 6334 DATE: 10/15/03 LOCATION: 1000' N, 1000' W OF ARROWHEAD	WELL DEPTH: 6334' WELL TYPE: TEST WELL WELL STATUS: ACTIVE
WELL OWNER: ARROWHEAD WELL OPERATOR: ARROWHEAD	WELL LOGGING: ARROWHEAD WELL LOGGING DATE: 10/15/03



SOUTH WADE PUBLIC UTILITY DISTRICT DRINKING WATER AQUIFERS OF THE SOUTH WADE PUBLIC UTILITY DISTRICT	
SECTION: B - B/C DATE: 10/15/03 FILE: 6362	DRAWN: J.B. CHECKED: J.B. SHEET: 4 OF 12 SHEETS

MEYERS SECTION

Lake Tahoe Golf Course Well 6290'

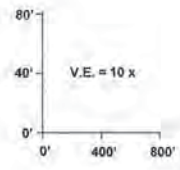
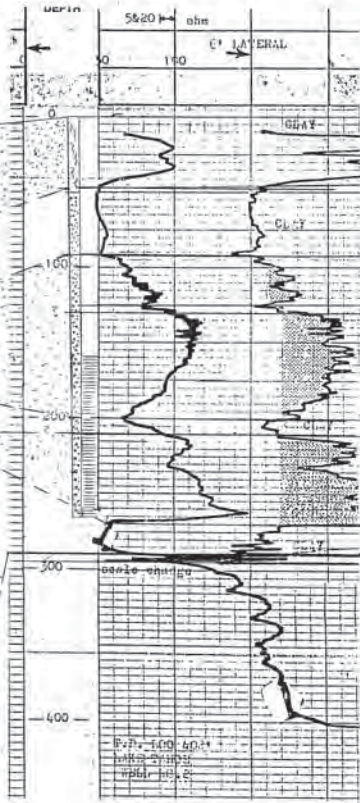
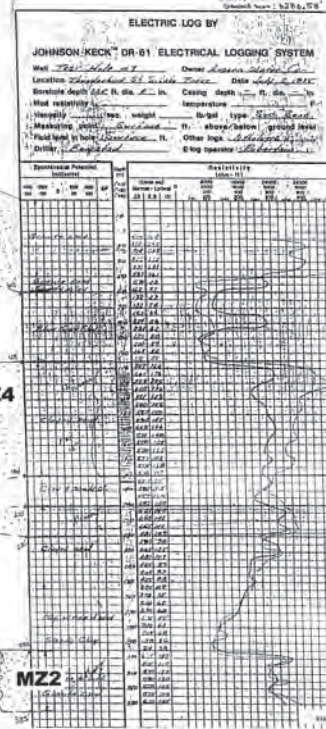
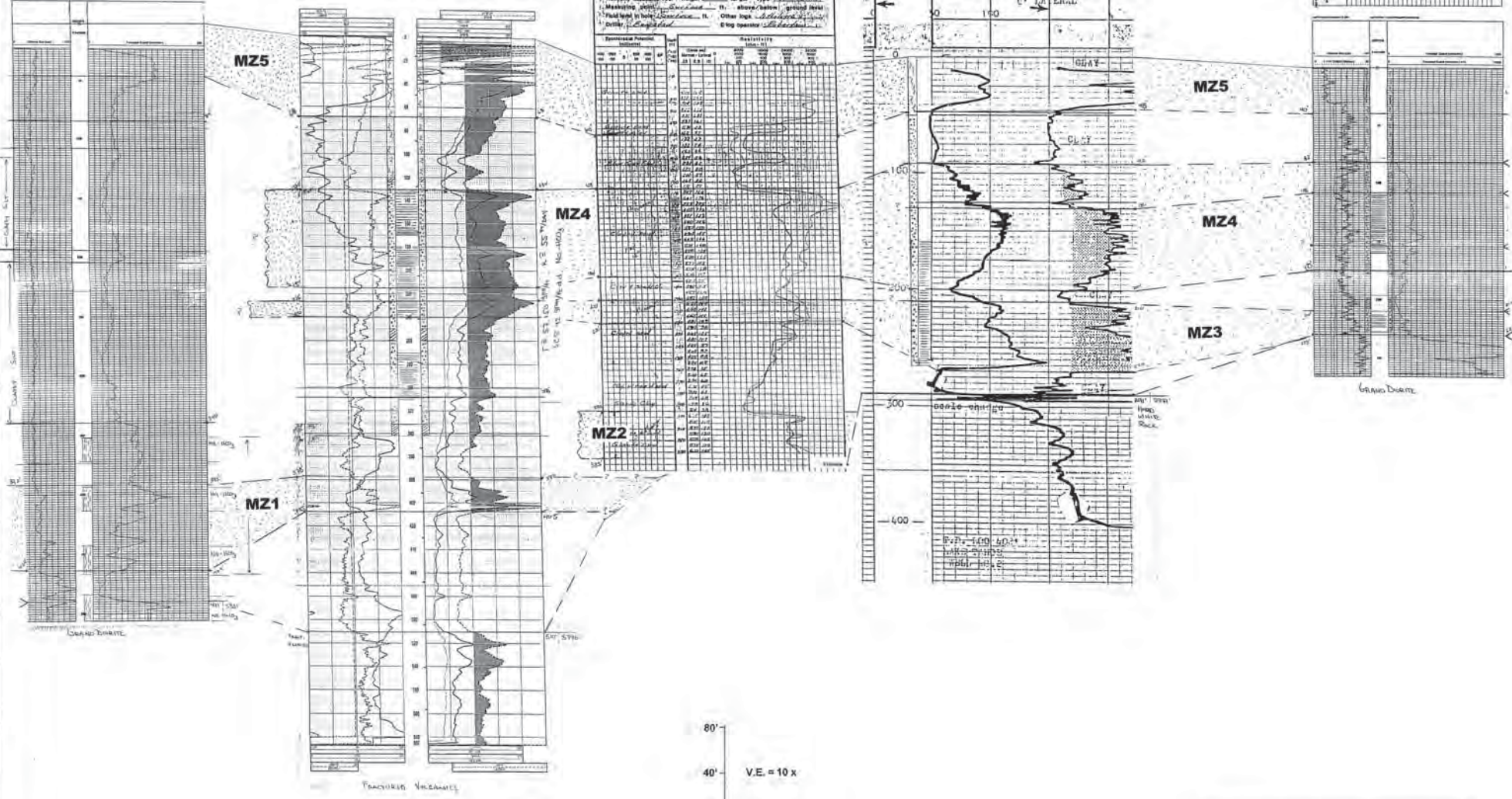
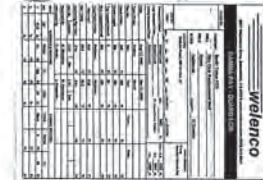
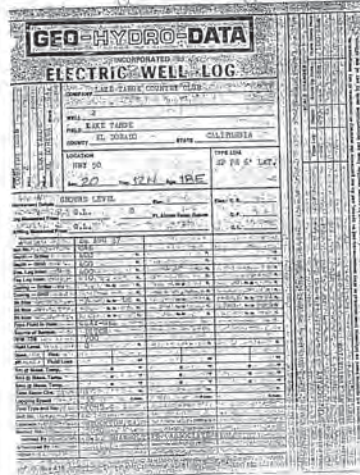
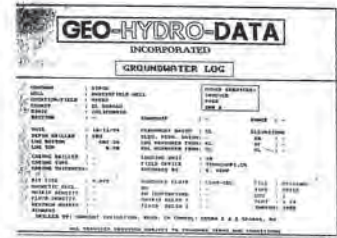
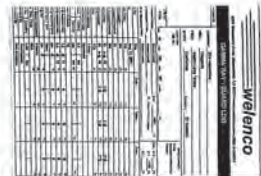
Flagpole Test Hole ~6322'

Bakersfield Well 6306'

Country Club Well 6287'

Elks Club Well No. 2 6280'

ELEVATION (ft msl)

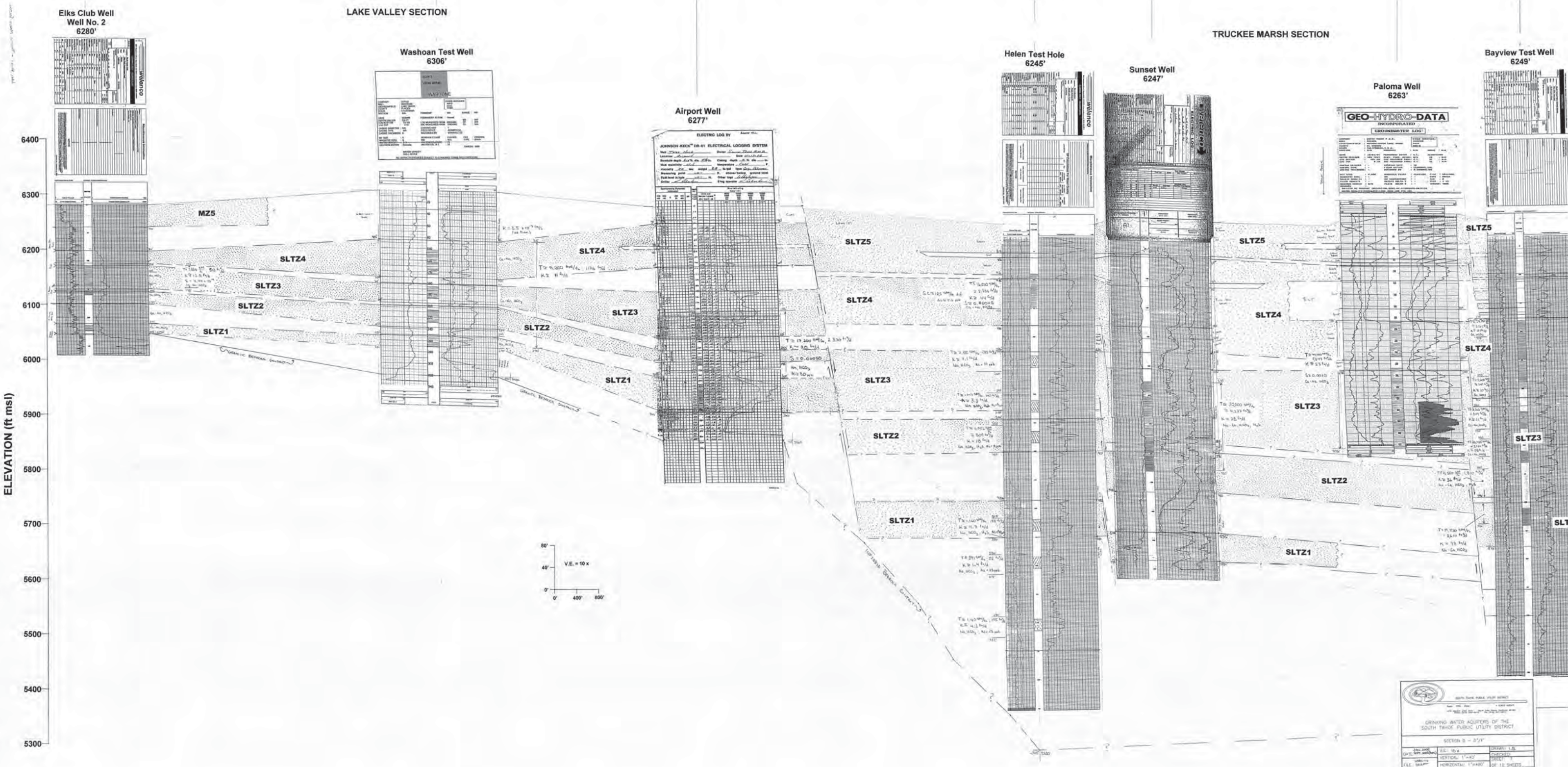


SOUTH TAHOE PUBLIC UTILITY DISTRICT

DRINKING WATER AQUIFERS OF THE SOUTH TAHOE PUBLIC UTILITY DISTRICT

SECTION D - D'

DATE: 10/1/80	V.E.: 10x	DRAWN: L.S.
SCALE: 1"=400'	HORIZONTAL: 1"=400'	CHECKED: SHEET B
		OF 12 SHEETS



Elks Club Well
Well No. 2
6280'

LAKE VALLEY SECTION

Washoan Test Well
6306'

Airport Well
6277'

Helen Test Hole
6245'

Sunset Well
6247'

TRUCKEE MARSH SECTION

Paloma Well
6263'

Bayview Test Well
6249'

ELEVATION (ft msl)

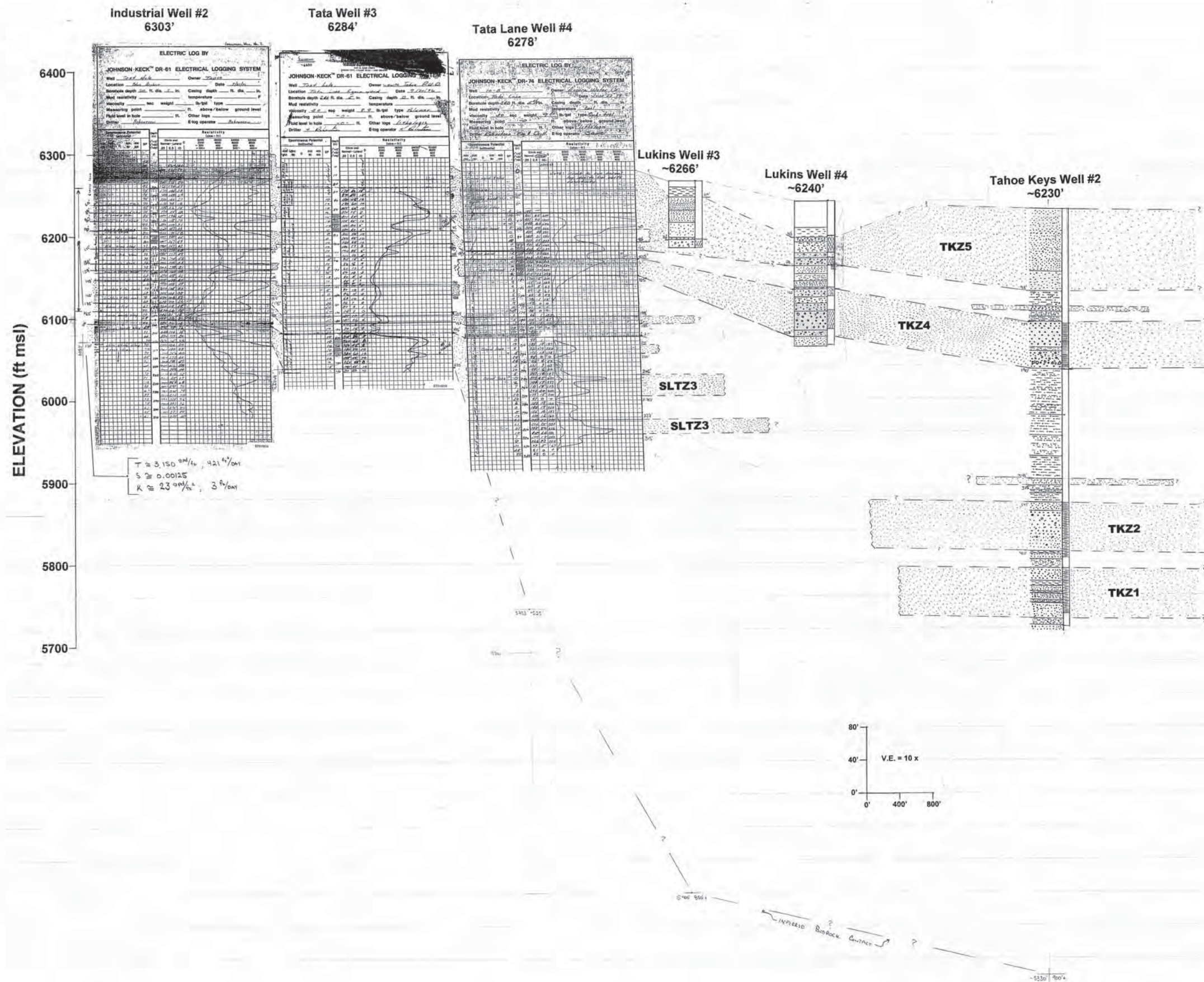
6400
6300
6200
6100
6000
5900
5800
5700
5600
5500
5400
5300

80'
40'
0'
0' 400' 800'
V.E. = 10 x

SECTION 2 - 277'

DATE	1/15/00	CHECKED	J.S.
VERTICAL SCALE	1" = 40'	SHEET	1
HORIZONTAL SCALE	1" = 100'	NO. OF SHEETS	10

GRINDING WATER ACQUIERS OF THE SOUTH TAHOE PUBLIC UTILITY DISTRICT



Industrial Well #2
6303'

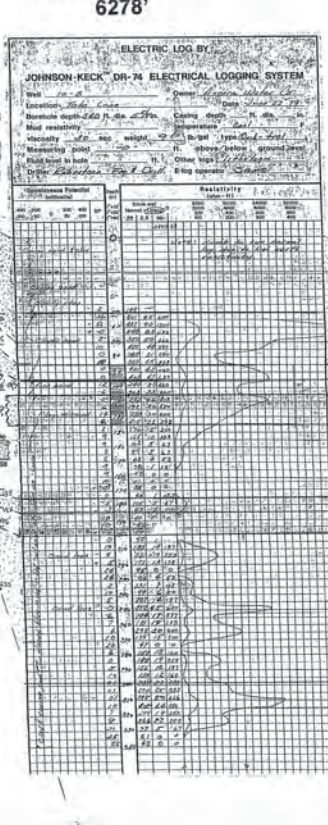
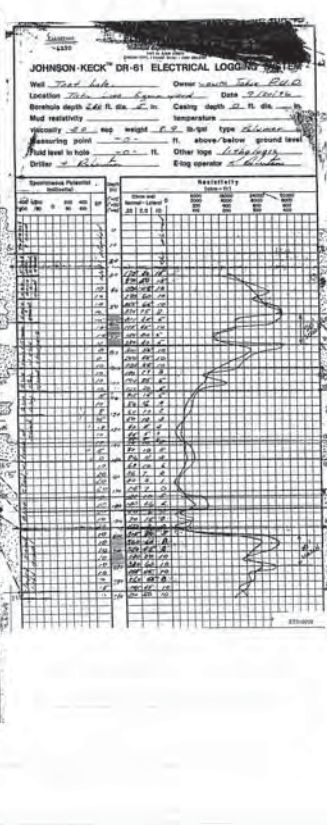
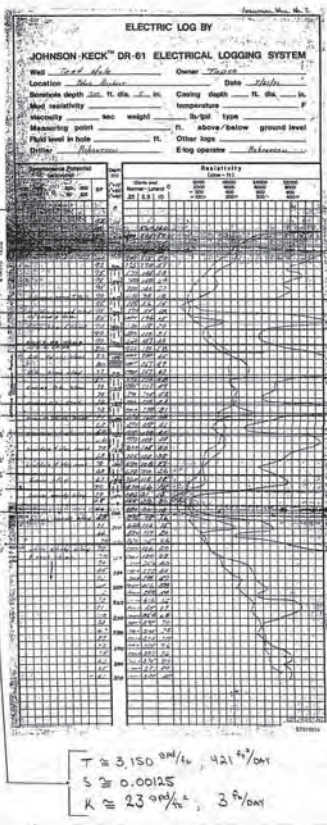
Tata Well #3
6284'


Tata Lane Well #4
6278'

Lukins Well #3
~6266'

Lukins Well #4
~6240'

Tahoe Keys Well #2
~6230'



 SOUTH TAHOE PUBLIC UTILITY DISTRICT 1000 Main Street, South Lake Tahoe, CA 96150 (760) 939-2222		
DRINKING WATER AQUIFERS OF THE SOUTH TAHOE PUBLIC UTILITY DISTRICT		
SECTION G - G'		
DATE: 03/11/2025	V.E.: 10 x	DRAWN: LB
VERSION: 1.0	VERTICAL: 1"=40'	CHECKED: LB
FILE: DRAFT	HORIZONTAL: 1"=400'	SHEET: 10 OF 12 SHEETS

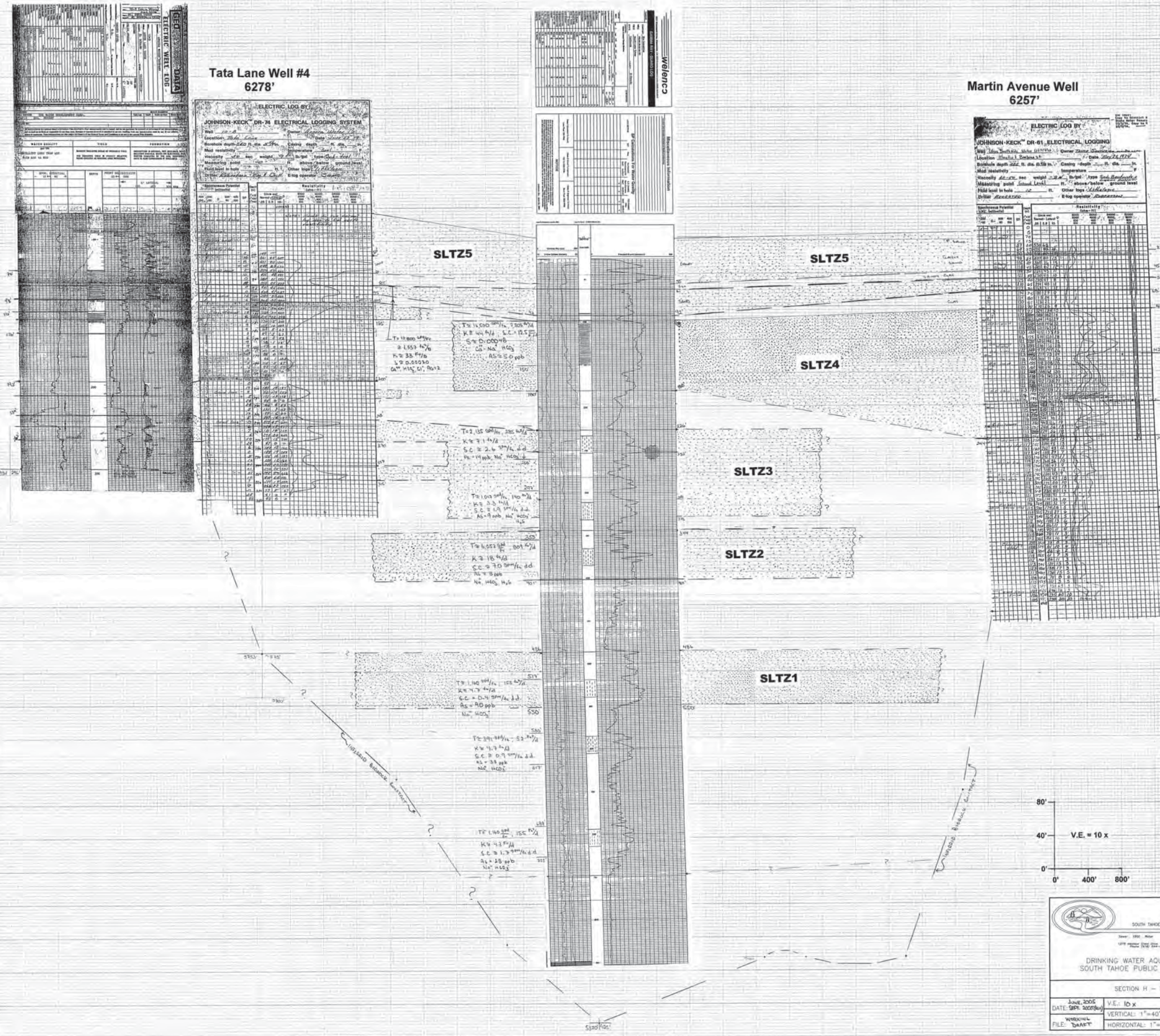
Julie Well
6277'

Helen Test Hole
6245'

Tata Lane Well #4
6278'

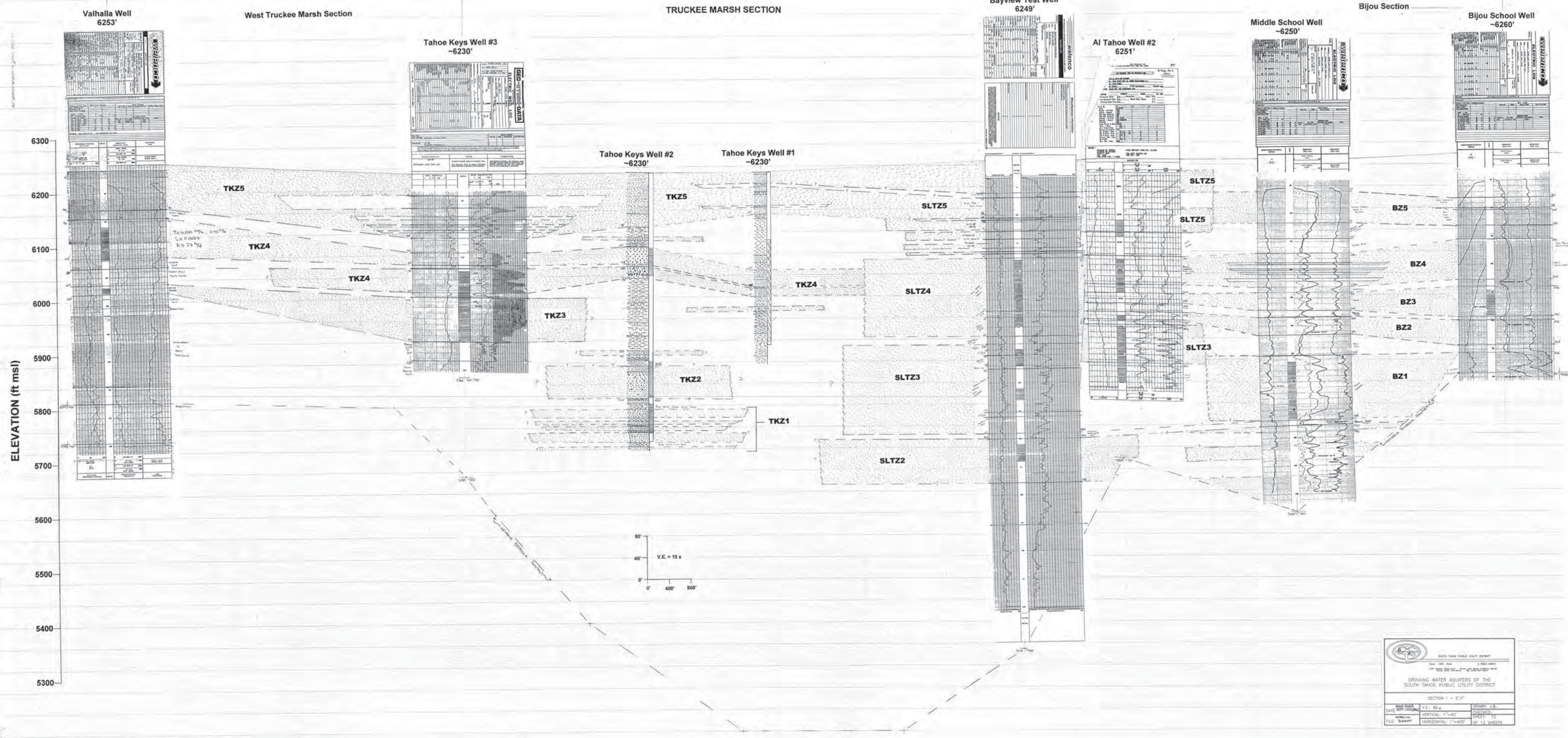
Martin Avenue Well
6257'


ELEVATION (ft msl)



SOUTH TAHOE PUBLIC UTILITY DISTRICT
 DRINKING WATER AQUIFERS OF THE SOUTH TAHOE PUBLIC UTILITY DISTRICT
 SECTION H - F/H'

DATE: June 2006	V.E.: 10 x	DRAWN: I.B.
FILE: 080704	HORIZONTAL: 1"=400'	CHECKED:
		SHEET: 11
		OF 12 SHEETS




SOUTH TAHOE PUBLIC UTILITY DISTRICT
 DRINKING WATER AQUIFERS OF THE SOUTH TAHOE PUBLIC UTILITY DISTRICT
 SECTION I - E/F
 DATE: 09/20/2011
 FILE: DAWP
 V.E.: 10 x
 HORIZONTAL: 1" = 400'
 DRAWN: L.B.
 CHECKED: J.J.
 SHEET: 11
 OF 12 SHEETS

APPENDIX G

Assessment of Groundwater Dependent Ecosystems



February 7, 2022

Assessment of Groundwater Dependent Ecosystems within the Tahoe Valley South Subbasin

Mark Hausner and Susie Rybarski

Introduction

This technical memo describes the work done by the South Tahoe Public Utility District (District) and DRI to address the Sustainable Groundwater Management Act (SGMA) requirement to protect groundwater dependent ecosystems (GDEs). Guidance applying to the SGMA requirements had not been finalized during the last plan formulation, and the requirements were therefore addressed in a relatively high level discussion. This document relies on finalized guidance from California Department of Water Resources and The Nature Conservancy (Rohde et al. 2018; Rohde et al. 2020) to more rigorously address the SGMA requirements.

GDEs are defined as ecological communities or species that depend on groundwater emerging from aquifers or on groundwater occurring near the ground surface (23 CCR, § 351 (m)). Groundwater Sustainability Agencies (the organizations tasked with implementing management plans) are responsible for identifying GDEs within a groundwater basin. GDEs provide numerous ecosystem services, ranging from recreation and flood mitigation to biodiversity and carbon sequestration. Within the Tahoe South Sub-basin (TVS Subbasin) area, these ecosystems primarily occur as riparian areas or meadows alongside stream channels or lakes. The GDEs within the basin are affected not only by groundwater management practices, but also by climate change, land use changes (i.e., nearby development) and disturbances such as floods and fires.

This report describes the process used to identify and evaluate the current state of GDEs within the TVS Subbasin area. Because current monitoring efforts do not explicitly track the condition of those GDEs, we also provide guidance regarding the development of a plan to monitor the conditions of GDEs over the next five years.

GDE Assessment Methods

This section describes the methods used to evaluate existing GDEs and to assess their current condition.

Identifying GDEs

Because of the value of the ecosystem services provided by GDEs, they are often monitored by regulatory or conservation agencies. This is true in the Lake Tahoe Basin, where the Tahoe Regional Planning Agency (TRPA) has mapped and monitored stream environment zones (SEZs) throughout the basin. As SEZs and GDEs are both dependent on the presence of groundwater there is a substantial overlap in the spatial distributions of SEZs as mapped by TRPA and of GDEs as delineated by The Nature Conservancy (TNC) in the Lake Tahoe Basin. Because SEZ is an established term, commonly used in land planning and environmental resource management across regulatory and environmental agencies working within the Lake Tahoe Basin, SEZ shall be used as a proxy for describing the spatial distribution of GDEs in this Alternative. There are 130 mapped SEZs (TRPA) that fall completely or partially within the boundaries of the groundwater model, and 52 within the TVS Subbasin. These SEZs are shown in Figure 1.

Assessing Current Conditions

Groundwater level is the primary sustainability indicator for GDEs (TNC guidance). While the District has an established groundwater monitoring program, to date that program has focused on the sustainability of water supply rather than near-surface aquifers. Existing monitoring is therefore not suitable for assessing the status of GDEs, which depend on near-surface groundwater rather than that found in the deeper aquifers. Because field data was not available to base an assessment on, we used the 2021 update of the historic South Tahoe Groundwater Model (Appendix I) to assess the current conditions of GDEs within the TVS Subbasin.

The historic model scenario simulates water years (WY) 1983-2019. To ensure a robust data set, the last 30 years of data (WY 1990-2019) were used as the basis for the evaluation. For each delineated GDE, we extracted the simulated head from the uppermost layer of the groundwater model as the spatially weighted mean of the model grid cells that intersect with the GDE polygon. Simulated heads were compiled monthly from October 1989 to September 2019. We used Mann-Kendall trend analysis (Mann 1945; Kendall 1976) to identify any statistically significant negative trends in groundwater levels. The Mann-Kendall test is a non-parametric statistical analysis that determines whether or not a time series of data exhibits a trend over time. It requires no assumptions about the pattern of that trend (e.g., linear, exponential), and is generally used when the relationship between time and the variable is not known (Helsel et al. 2020). We used a threshold of $p < 0.05$ to determine whether a trend was statistically significant.

If a statistically significant trend was identified, we then assessed the magnitude of the trend using the Theil-Sen slope indicator (Theil 1950; Sen 1968). This value provides a non-parametric statistical estimate of changes to the median groundwater level over time (Helsel et al. 2020).

Two different time series of simulated heads were evaluated for each GDE: annual average head (the mean head for the WY) and annual minimum head (the minimum head for the water year). Trends in each metric were evaluated for two different time periods: 30 years (WY 1990-2019) and 10 years (WY 2000-2019).

Assessing Potential Vulnerabilities

To assess potential vulnerabilities in GDEs, the baseline model was run forward from WY2020 through WY2070. The baseline model, which assumes that future climate conditions (both temperature and precipitation) remain stationary, was run for both pumping (in which groundwater extraction increased each year to simulate population growth in the basin) and non-pumping (in which case no groundwater extraction is simulated) scenarios. Simulated water levels for each GDE were evaluated for each scenario over the next 50 years (through WY 2070).

For each GDE, an allowable range of simulated water level was defined based on the historical variability over WY 1990-2019. The lower end of the allowable range was defined as the 25th percentile of historical variability. Simulated baseline heads from the pumping scenario were compared to the allowable range of water level. If simulated heads from the pumping scenario fell below the allowable range, that GDE was flagged as potentially vulnerable.

For the GDEs flagged as potentially vulnerable, the simulated baseline heads from the non-pumping scenario were also compared to the allowable range of water level. If the simulated heads from the pumping and non-pumping scenarios were similar (see, for example, Figure 2), this potential vulnerability was labeled as “natural.” However, if the simulated pumping and non-pumping heads were different (see, for example, Figure 3), the GDE was flagged as a potentially vulnerable GDE that may require management strategies to avoid negative effects.

Current Conditions and Vulnerabilities

Of the 52 GDEs that fall wholly or partly within the TVS Subbasin, none shows a negative 30-year trend in either annual average or annual minimum simulated water levels, and none shows a negative 10-year trend in annual average or annual minimum simulated water levels. The TRPA IDs of these 52 GDEs, along with the Theil-Sen slope of any statistically significant trend in simulated groundwater head, are provided in Table 1. Based on simulated water levels, the GDEs within the TVS Subbasin currently appear to be stable or improving.

Of the 52 GDEs that fall wholly or partly within the TVS Subbasin, 24 were identified as “potentially vulnerable,” all of which are potential candidates for management action. The

TRPA IDs of the 24 GDEs identified as potentially vulnerable, along with the simulated year in which they fall below the acceptable range, are provided in Table 2. A map of these GDEs is shown in Figure 4, and the time series of historical and baseline simulated heads for each are shown in Figure 5 through Figure 28.

Limitations of Modeling-Based Assessments

It is important to note that this result is based on hydrologic modeling rather than on field observations, and it will be critical to establish field observations going forward to better monitor GDEs. As noted above, the modeled GDE water levels are taken as a weighted average of simulated head in the cells that overlap the mapped GDEs. However, simulated head in a MODFLOW cell represents the average head over that entire cell, and the spatial discretization of the MODFLOW model does not necessarily match the spatial scale on which GDEs occur and are mapped. This is especially common in steeper areas (i.e., the southern part of the TVS Subbasin), where a single model cell may include substantial vertical relief.

Trends in simulated water level are likely more reliable than absolute values of water level, but the discretization of the model still means that those trends encompass simulated processes occurring outside the bounds of the mapped GDEs. The assessment of GDEs based on modeled data is not an ideal tool, but it is the best tool available until sufficient field data have been collected support site-specific assessments.

Developing Quantitative Thresholds

The TRPA monitors the status of SEZs systems using a range of metrics that include both physical (e.g., headcuts, incision, gullies) and biological (e.g., vegetation vigor, conifer encroachment, biotic integrity) indicators (TRPA 2020). To avoid duplicating those monitoring efforts and to comply with guidance from California DWR and The Nature Conservancy (Rohde et al. 2020), this plan focuses on the groundwater levels as the sustainability indicator for undesirable impacts to GDEs. Over the past 30 years, groundwater levels in the delineated SEZs have fluctuated with changes in precipitation, but have generally not exhibited statistically significant trends over time.

The recent focus on GDEs has led to the installation of many more shallow monitoring wells than have historically been available, including within the TVS Subbasin. A number of stakeholders in the TVS Subbasin have shared the locations and measured water levels from these wells with the District and DRI. Over the next five years, the District will collaborate with these organizations to share data and monitoring workload. During that time, the District will consider those wells as candidates to be included in their permanent monitoring program.

For identified GDEs that do not have existing candidate wells, the District will prioritize the installation of monitoring wells at sites that have been identified as vulnerable in this report. Locations will be identified and shallow monitoring wells installed to facilitate the monitoring of GDEs. Because the GDE thresholds rely on trends in measured water levels, it is likely that

newly installed monitoring wells will not be reliable indicators of GDE status until some years after their installation. For this reason, the assessments of the historical simulations described here will be repeated during the next five-year update and compared to the data from new monitoring wells. It is expected that this process will be needed during at least one, and possibly two future updates of the Alternative.

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Table 1. SEZs located wholly or partially within the TVS Subbasin boundaries. The SEZs are identified by their TRPA ID for better integration with local stakeholders and cooperators. The Theil-Sen slopes of any statistically significant ($p < 0.05$) trends in historical simulated water level are identified for each SEZ.

TRPA SEZ ID	30-year trends		10-year trends	
	Annual avg.	Annual min.	Annual avg.	Annual min.
1355	-	-	-	-
1387	-	-	-	-
1469	+0.038 ft/yr	-	-	-
1477	-	-	-	-
1480	-	-	-	-
1481	-	-	-	-
1482	+0.040 ft/yr	+0.035 ft/yr	-	-
1483	-	-	-	-
1485	+0.063 ft/yr	+0.056 ft/yr	+0.130 ft/yr	-
1513	-	-	-	-
1516	-	-	-	-
1517	-	-	-	-
1520	-	-	-	-
1521	-	-	-	-
1522	-	-	-	-
1524	-	-	-	-
1529	-	-	-	-
1530	-	-	-	-
1533	-	-	-	-
1535	+0.068 ft/yr	+0.067 ft/yr	+0.149 ft/yr	+0.132 ft/yr
1537	-	-	-	-
1542	-	-	-	-
1544	-	-	-	-
1550	-	-	-	-
1551	-	-	-	-
1552	-	-	-	-
1554	+0.058 ft/yr	+0.059 ft/yr	-	-
1559	+0.051 ft/yr	+0.048 ft/yr	-	-
1561	+0.051 ft/yr	+0.053 ft/yr	-	+0.072 ft/yr
1562	+0.042 ft/yr	+0.041 ft/yr	-	+0.079 ft/yr
1574	-	-	-	-
1580	-	-	-	-
1586	+0.033 ft/yr	+0.033 ft/yr	-	-
1591	-	+0.025 ft/yr	-	-
1599	-	-	-	-
1603	+0.035 ft/yr	+0.035 ft/yr	-	-
1606	-	-	-	-

1614	+0.056 ft/yr	+0.062 ft/yr	+0.116 ft/yr	+0.116 ft/yr
1620	-	-	-	-
1622	+0.033 ft/yr	+0.075 ft/yr	+0.139 ft/yr	+0.123 ft/yr
1629	+0.086 ft/yr	+0.030 ft/yr	-	-
1650	+0.037 ft/yr	+0.081 ft/yr	+0.162 ft/yr	+0.144 ft/yr
1810	-	-	-	+0.031 ft/yr
1836	-	-	+0.081 ft/yr	+0.060 ft/yr
1865	-	-	+0.052 ft/yr	+0.057 ft/yr
1866	-	-	+0.092 ft/yr	+0.086 ft/yr
1875	-	-	-	+0.018 ft/yr
1885	-	-	-	-
1950	-	-	-	-
1962	-	-	+0.101 ft/yr	+0.086 ft/yr
1994	-	-	+0.133 ft/yr	+0.111 ft/yr
2314	+0.076 ft/yr	+0.078 ft/yr	-	-

Table 2. SEZs identified as vulnerable, with the year in which simulated heads moved outside the allowable range.

TRPA SEZ ID	Year of Simulated Exceedance
1513	2070
1517	2028
1552	2070
1554	2057
1559	2029
1561	2070
1562	2049
1580	2070
1586	2051
1591	2039
1599	2026
1603	2039
1614	2035
1620	2052
1622	2055
1629	2028
1650	2070
1810	2065
1836	2070
1950	2059
1962	2044
1994	2056
2050	2047
2314	2070

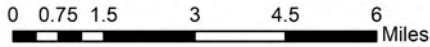
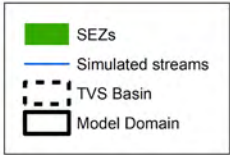
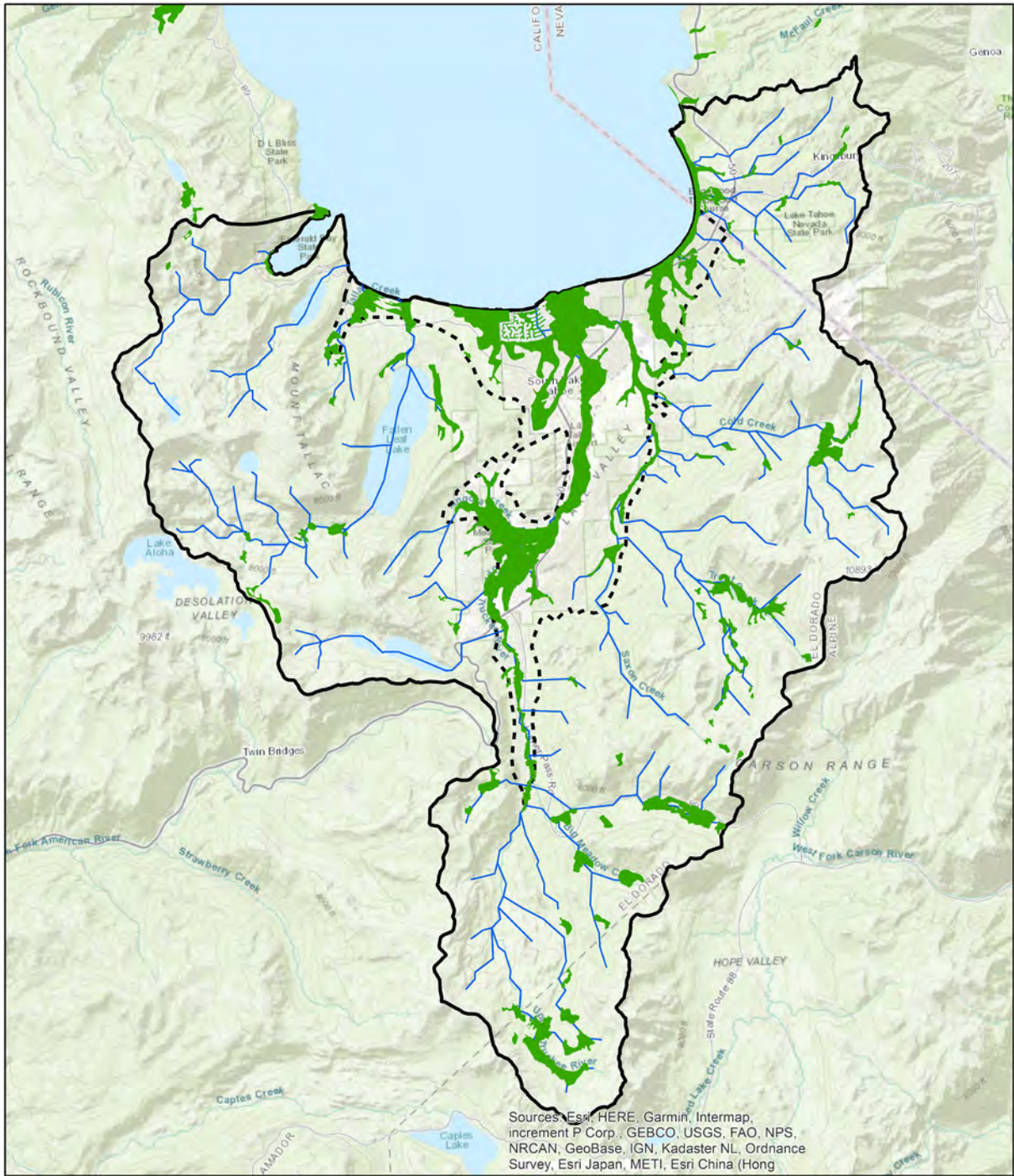


Figure 1. Map of TRPA-mapped SEZs in the TVS SUBBASIN.

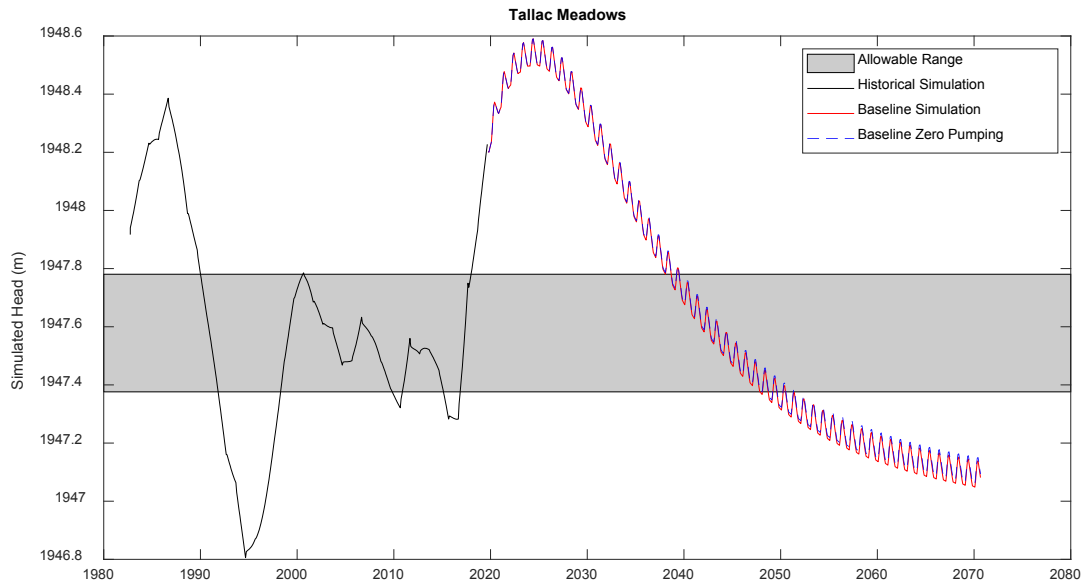


Figure 2. An example of a vulnerable SEZ that is vulnerable due to natural conditions, i.e., there is little difference between the simulated heads in the pumping (red) and non-pumping (blue) scenarios.

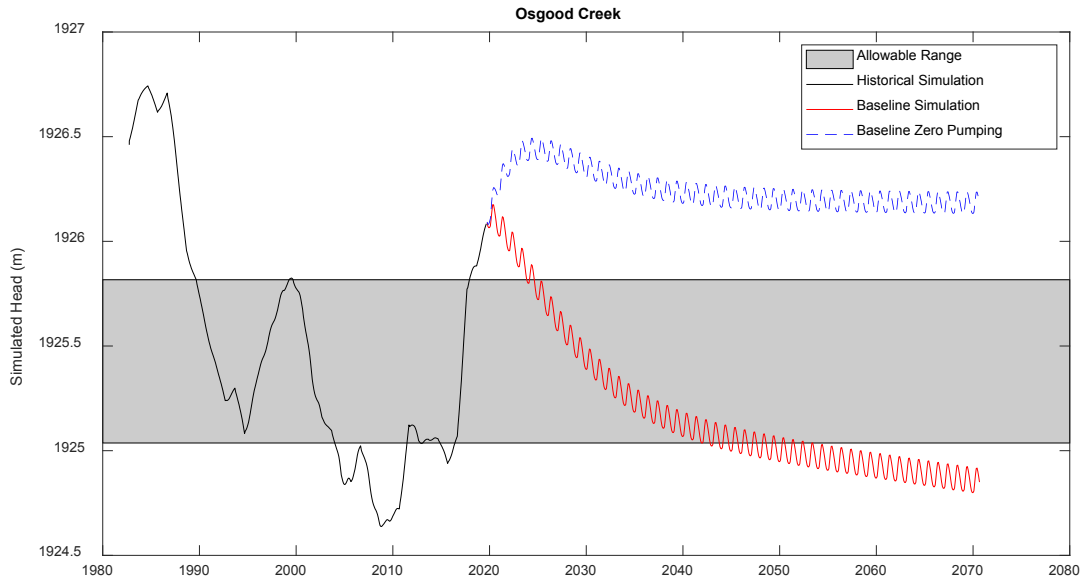


Figure 3. An example of a vulnerable GDE that is influenced by pumping. Note that the simulated head in the pumping scenario (red) falls below the allowable range, while the simulated non-pumping head remains above it.

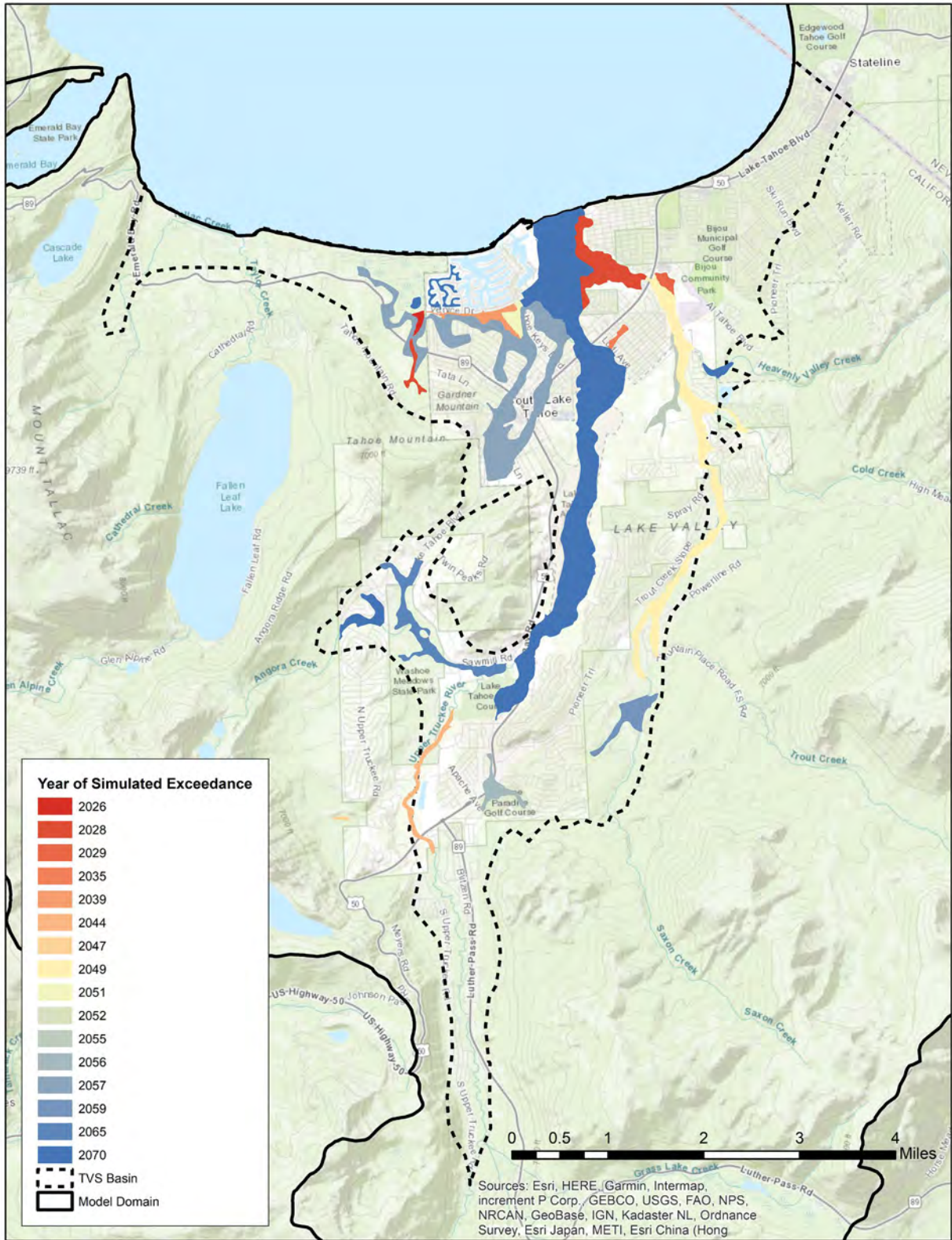


Figure 4. Map of GDEs identified as vulnerable. The color ramp indicates the year in which the simulated head first falls outside of the allowable range.

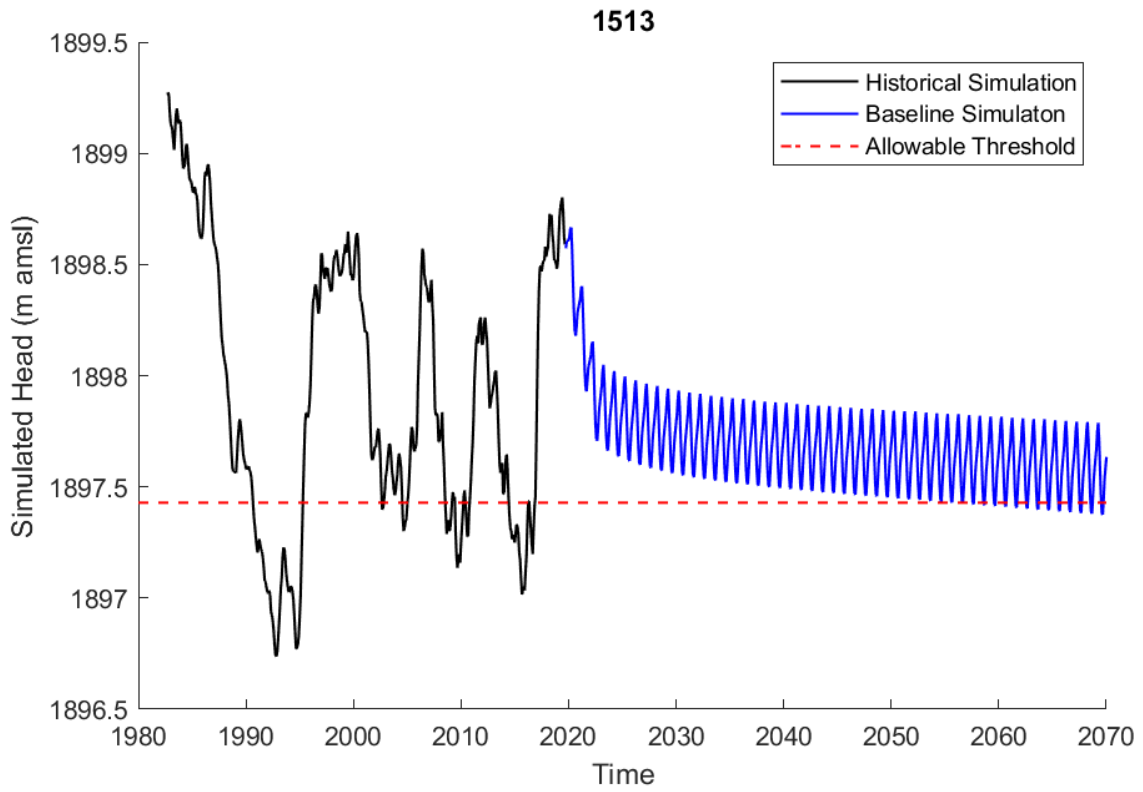


Figure 5. Historical and baseline simulations for vulnerable SEZ 1513. The allowable threshold is indicated by the dashed red line.

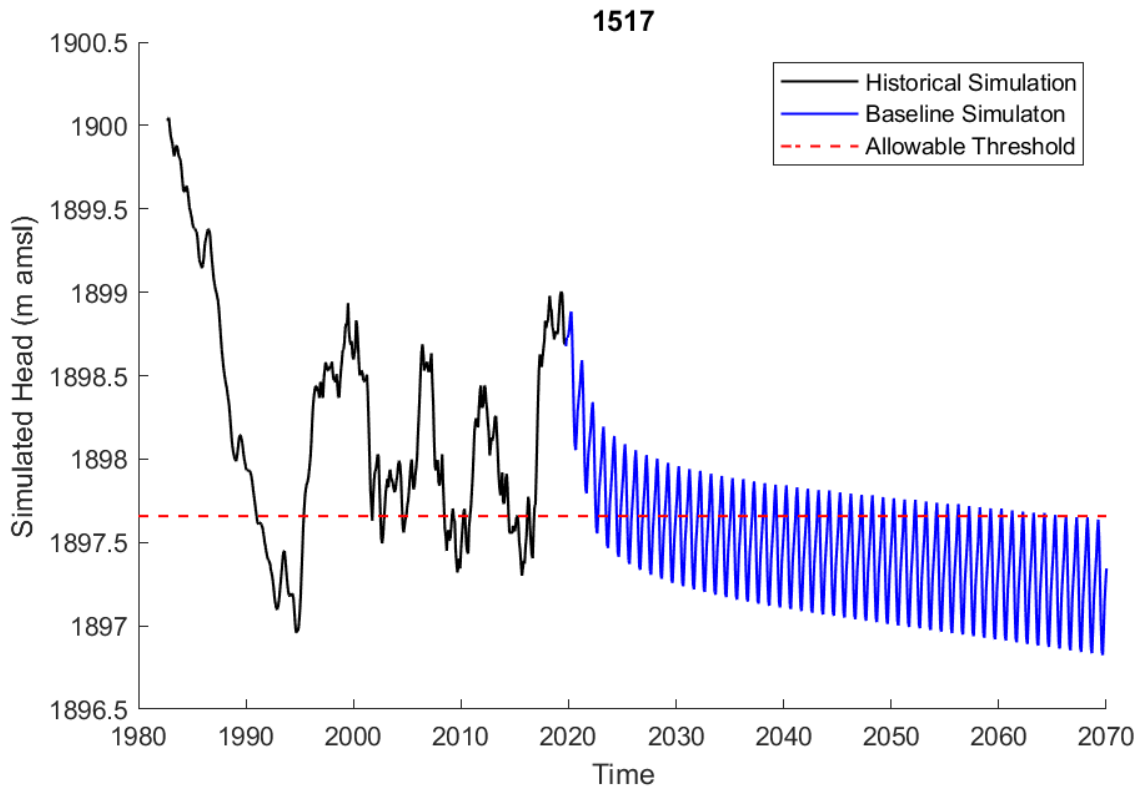


Figure 6. Historical and baseline simulations for vulnerable SEZ 1517.

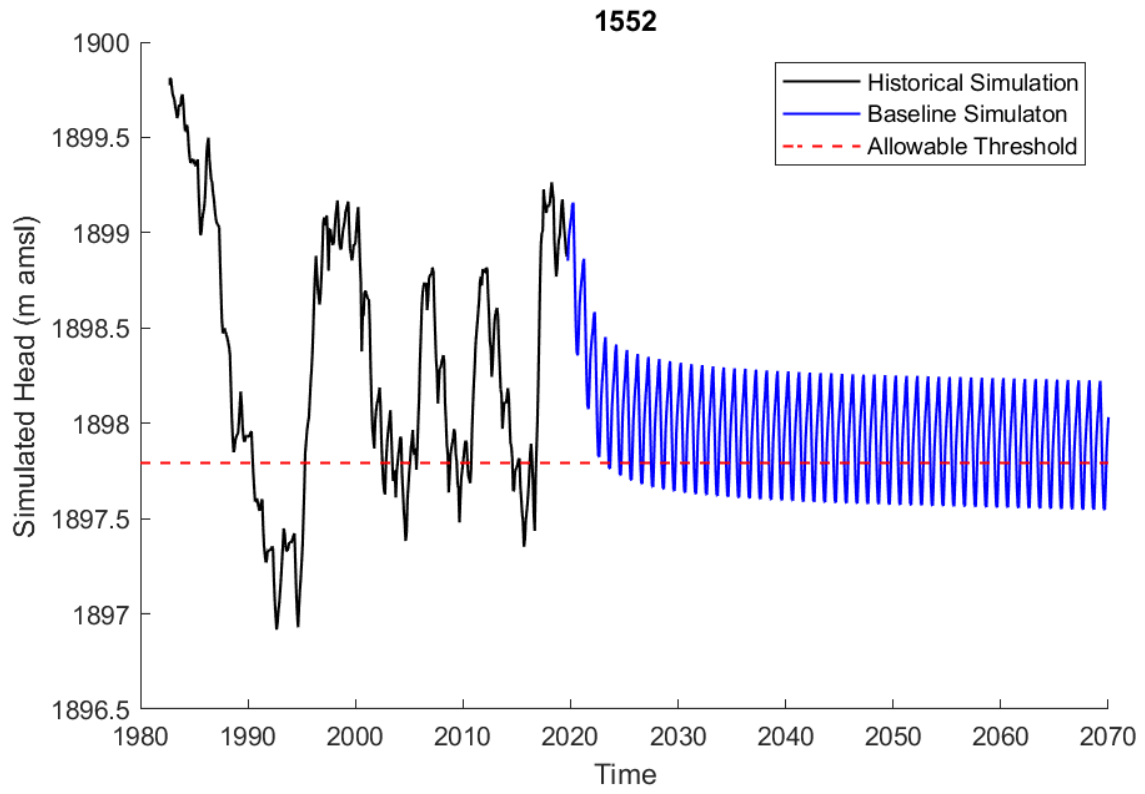


Figure 7. Historical and baseline simulations for vulnerable SEZ 1552.

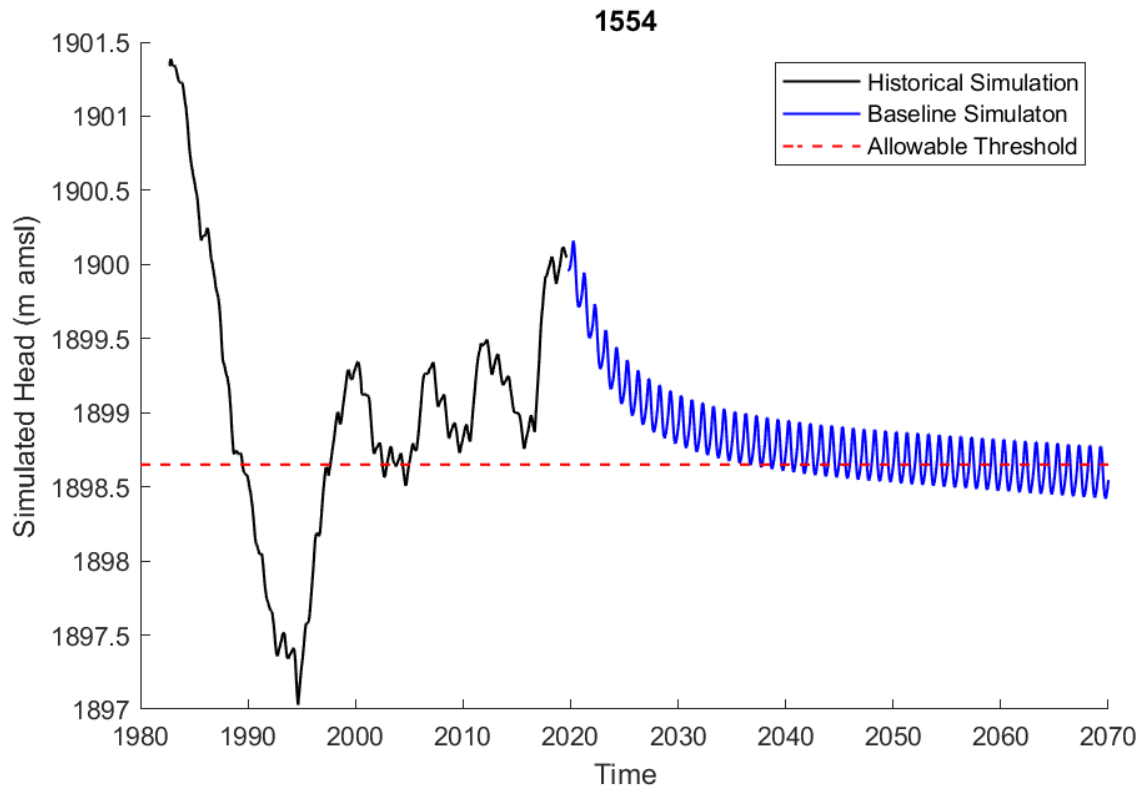


Figure 8. Historical and baseline simulations for vulnerable SEZ 1554.

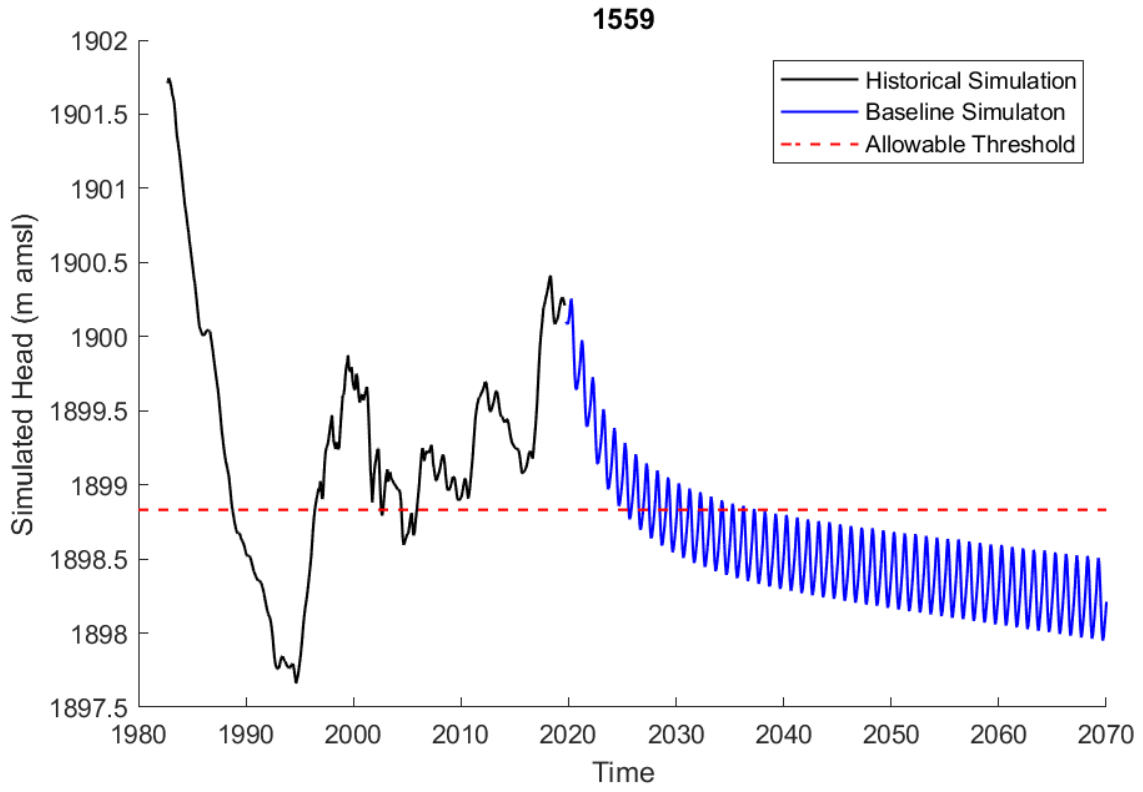


Figure 9. Historical and baseline simulations for vulnerable SEZ 1559.

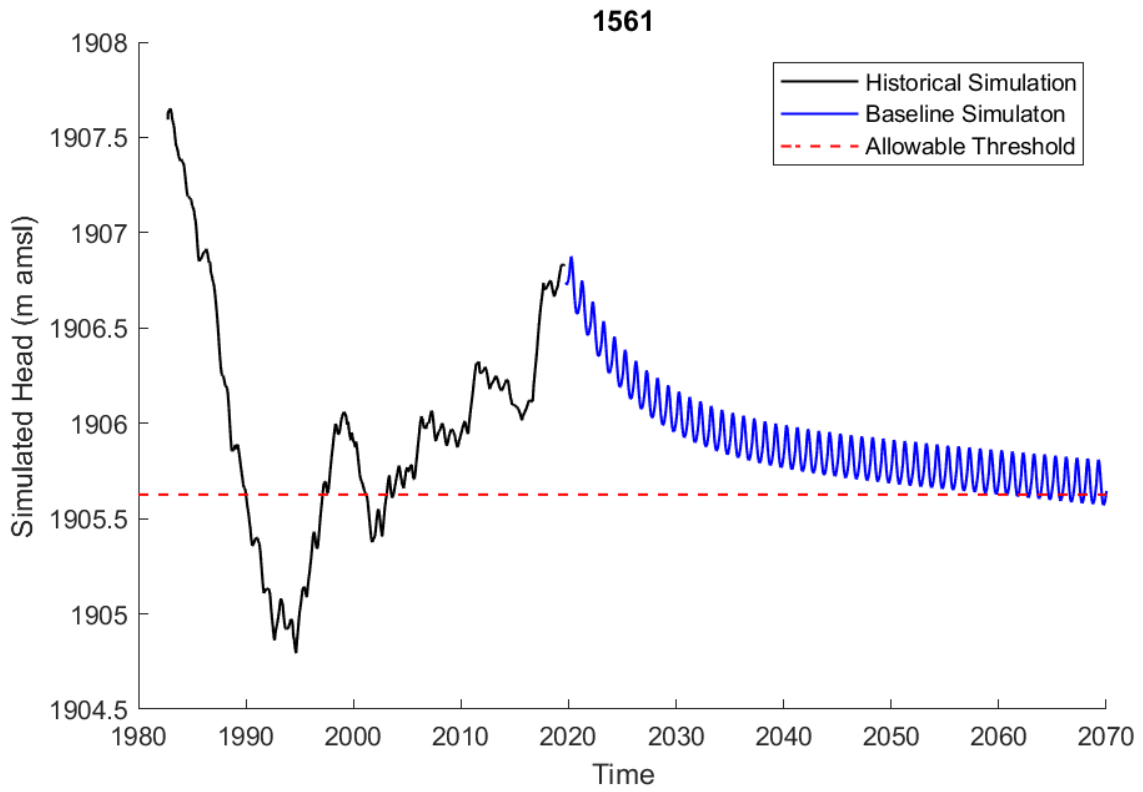


Figure 10. Historical and baseline simulations for vulnerable SEZ 1561.

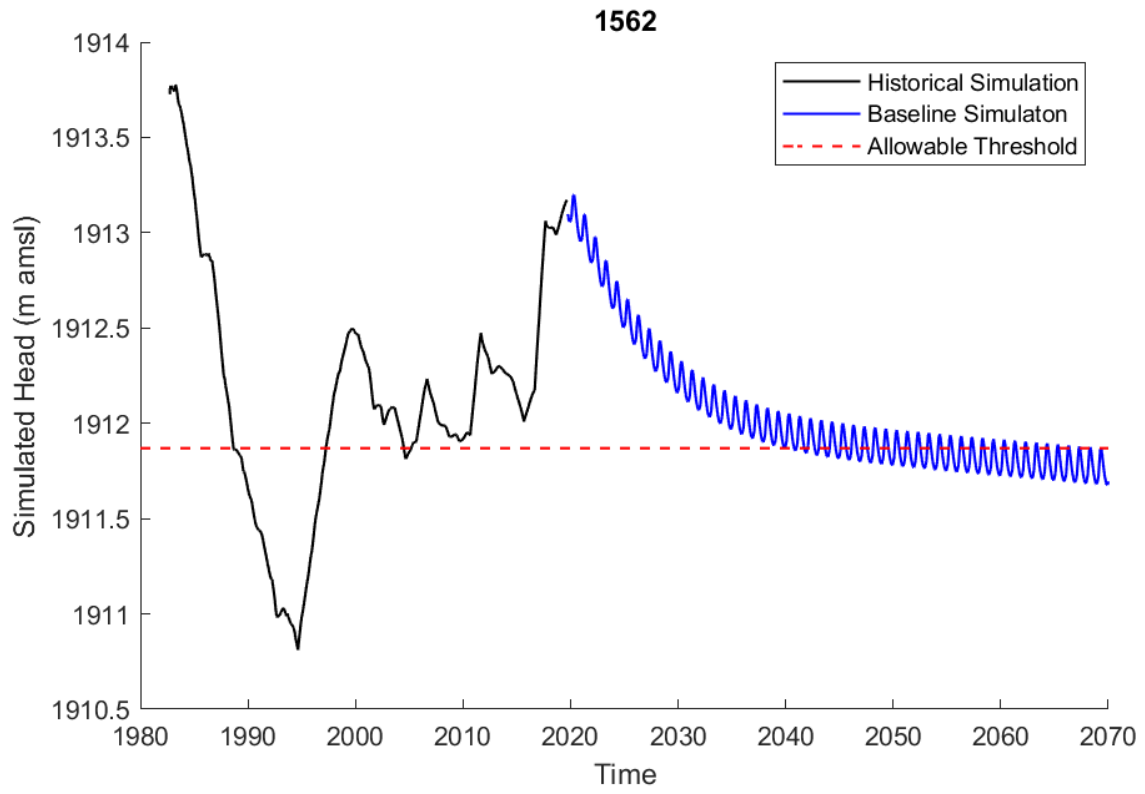


Figure 11. Historical and baseline simulations for vulnerable SEZ 1562.

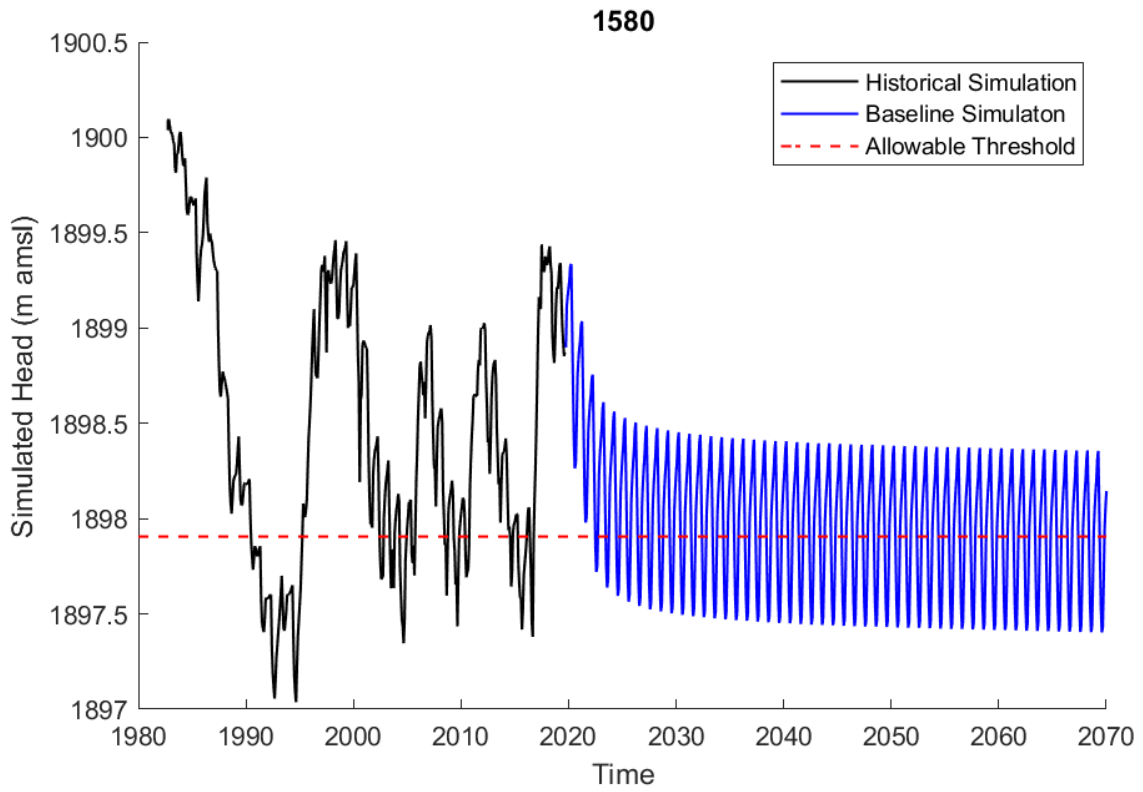


Figure 12. Historical and baseline simulations for vulnerable SEZ 1580.

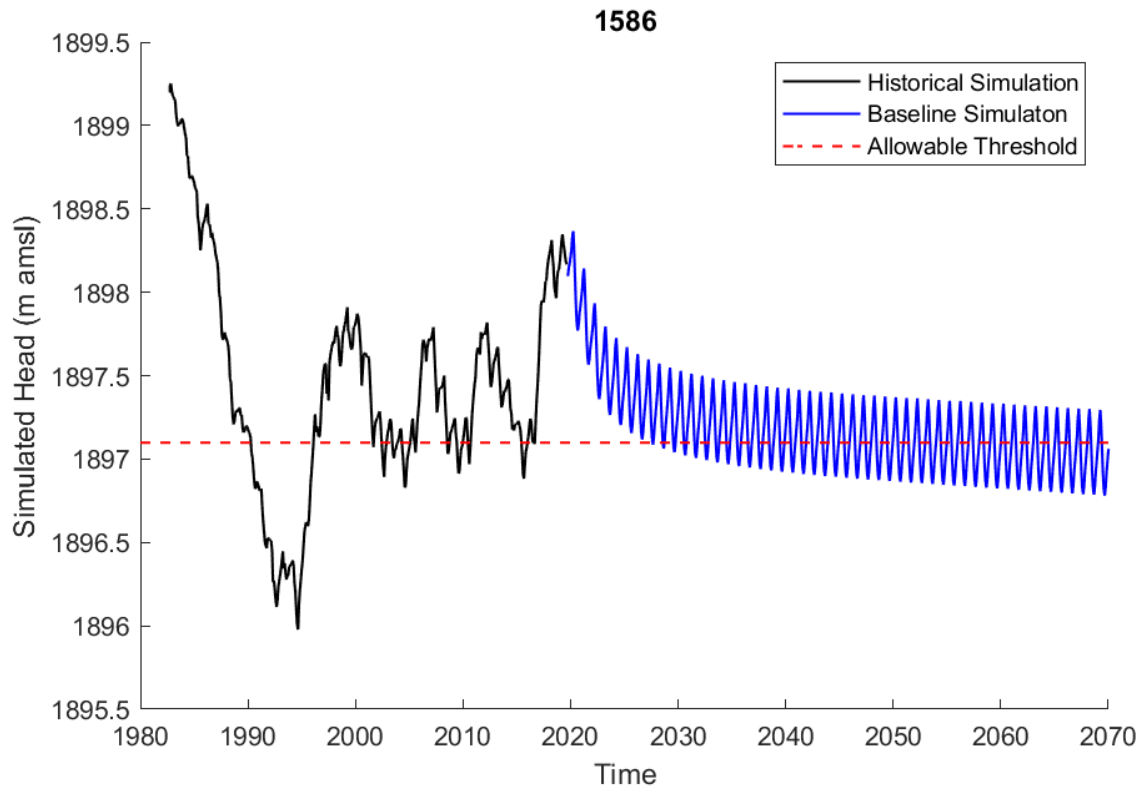


Figure 13. Historical and baseline simulations for vulnerable SEZ 1586.

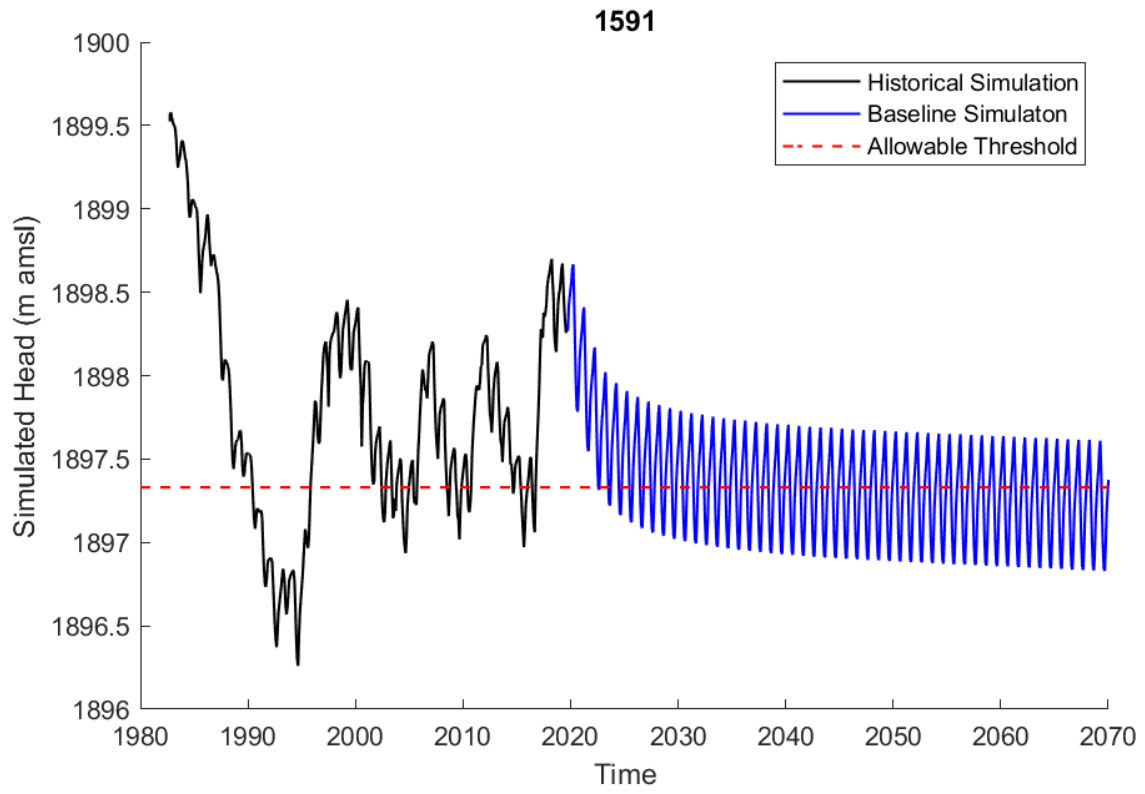


Figure 14. Historical and baseline simulations for vulnerable SEZ 1591.

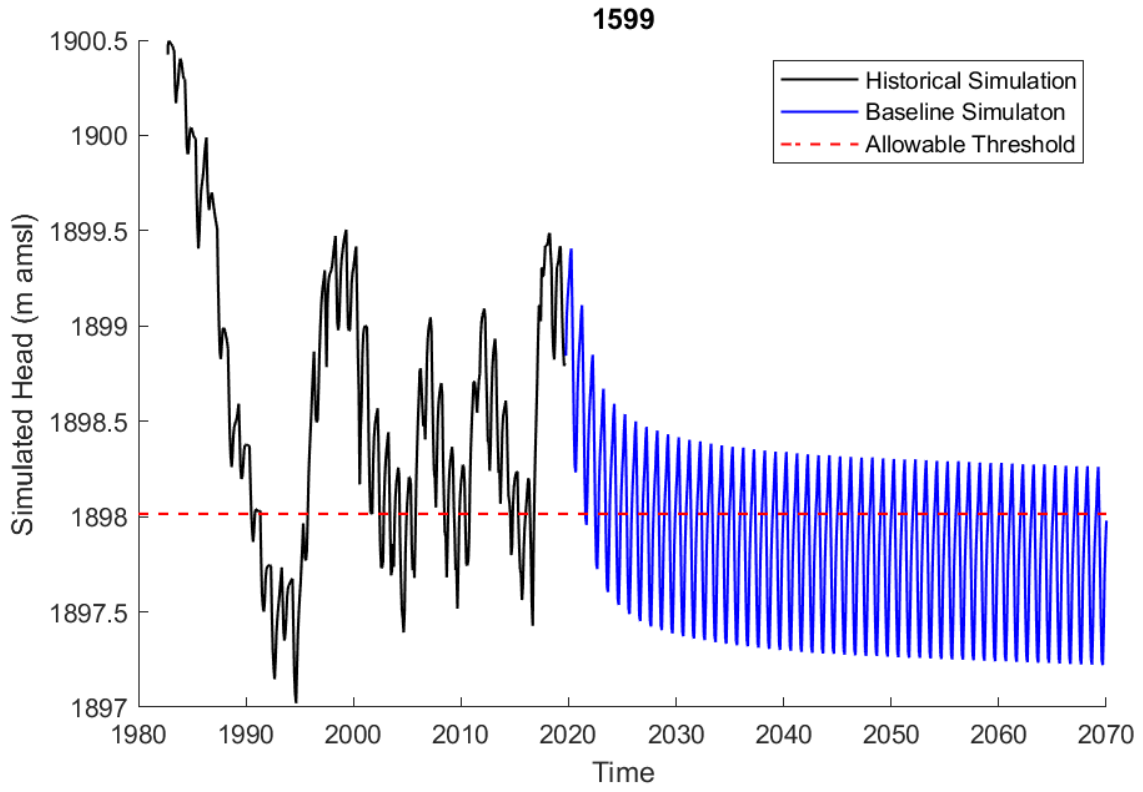


Figure 15. Historical and baseline simulations for vulnerable SEZ 1599.

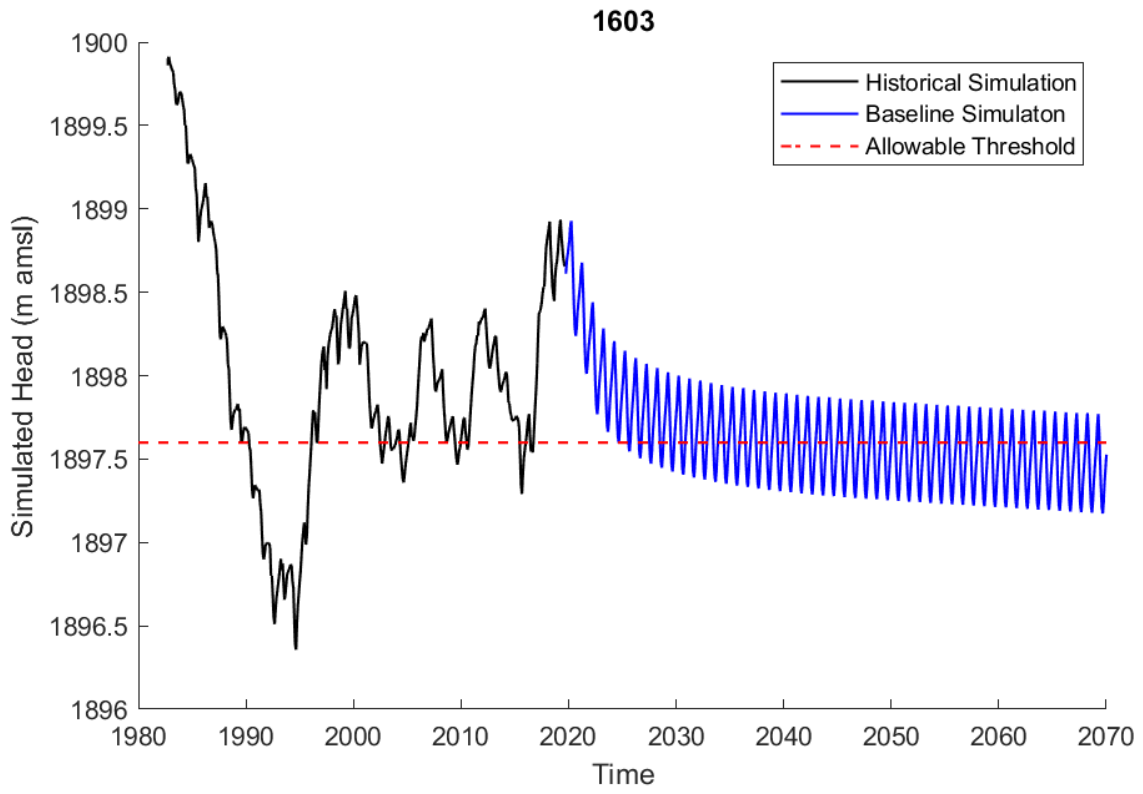


Figure 16. Historical and baseline simulations for vulnerable SEZ 1603.

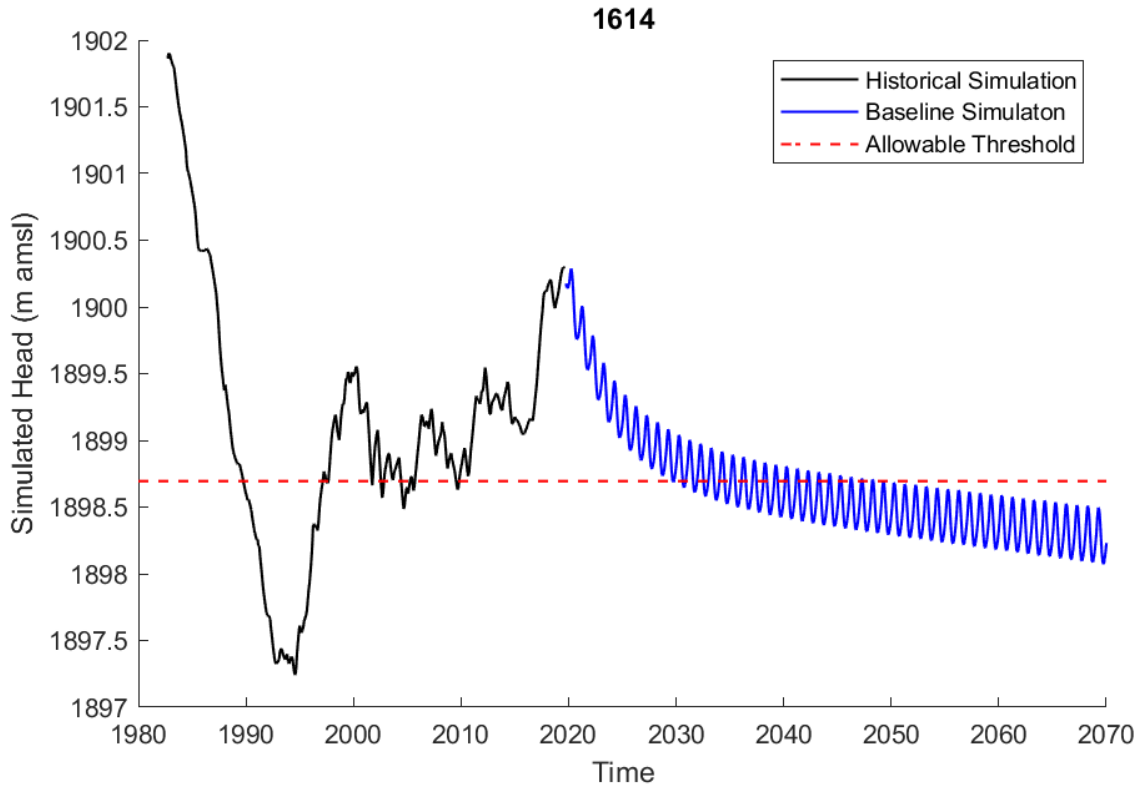


Figure 17. Historical and baseline simulations for vulnerable SEZ 1614.

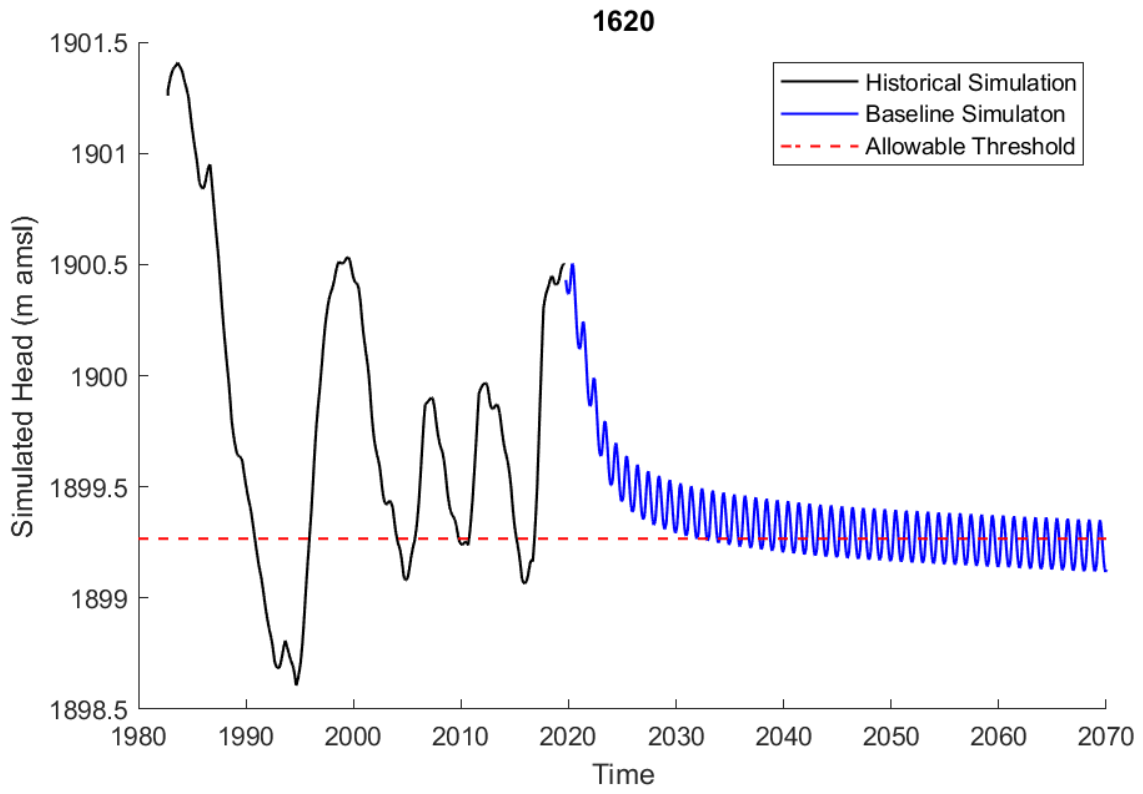


Figure 18. Historical and baseline simulations for vulnerable SEZ 1620.

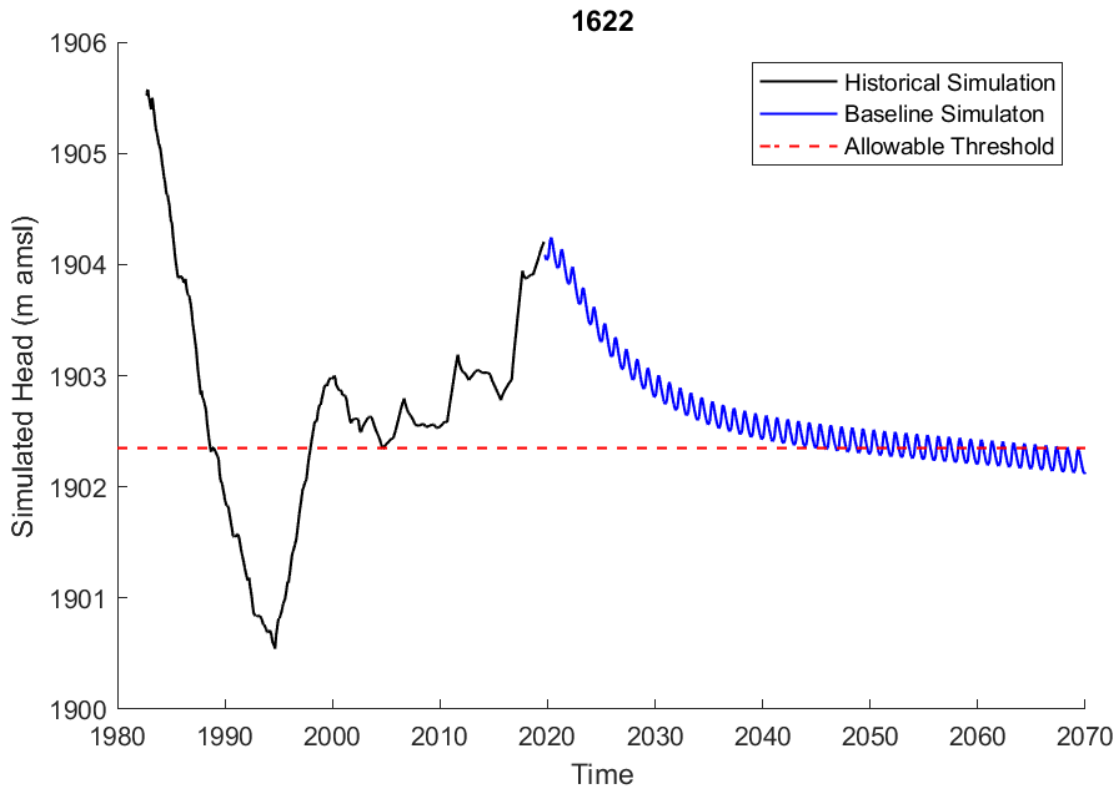


Figure 19. Historical and baseline simulations for vulnerable SEZ 1622.

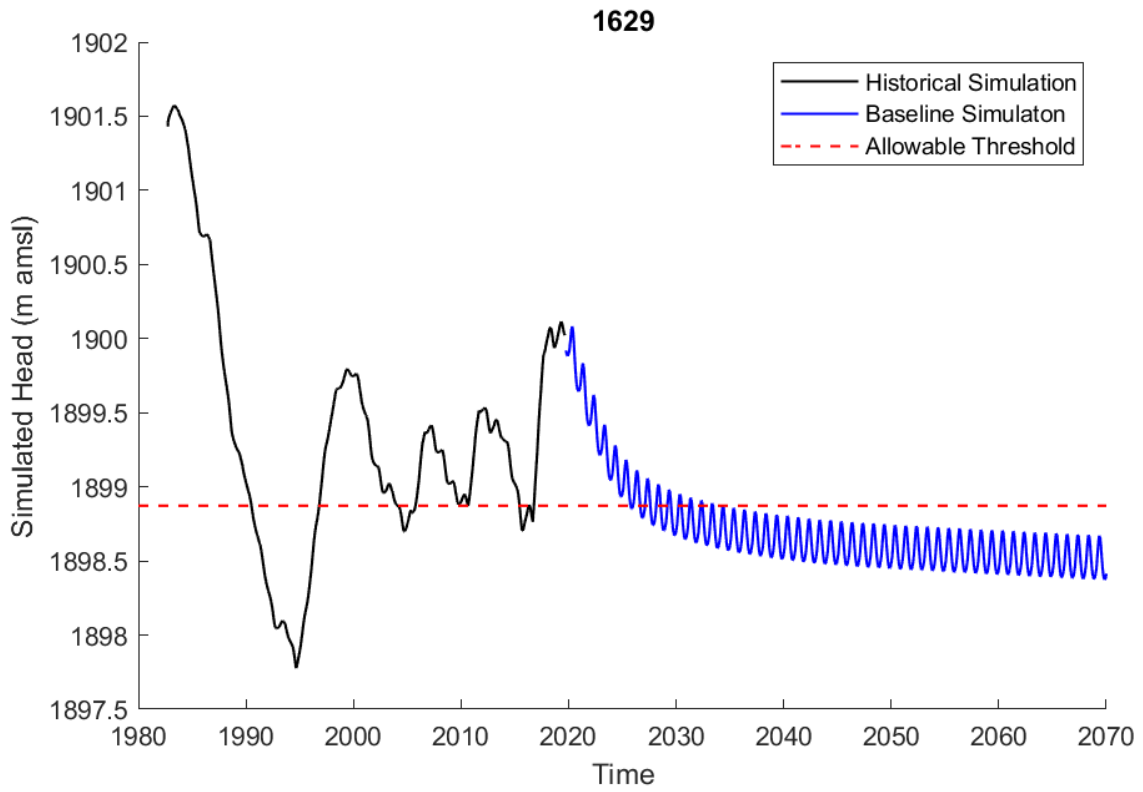


Figure 20. Historical and baseline simulations for vulnerable SEZ 1629.

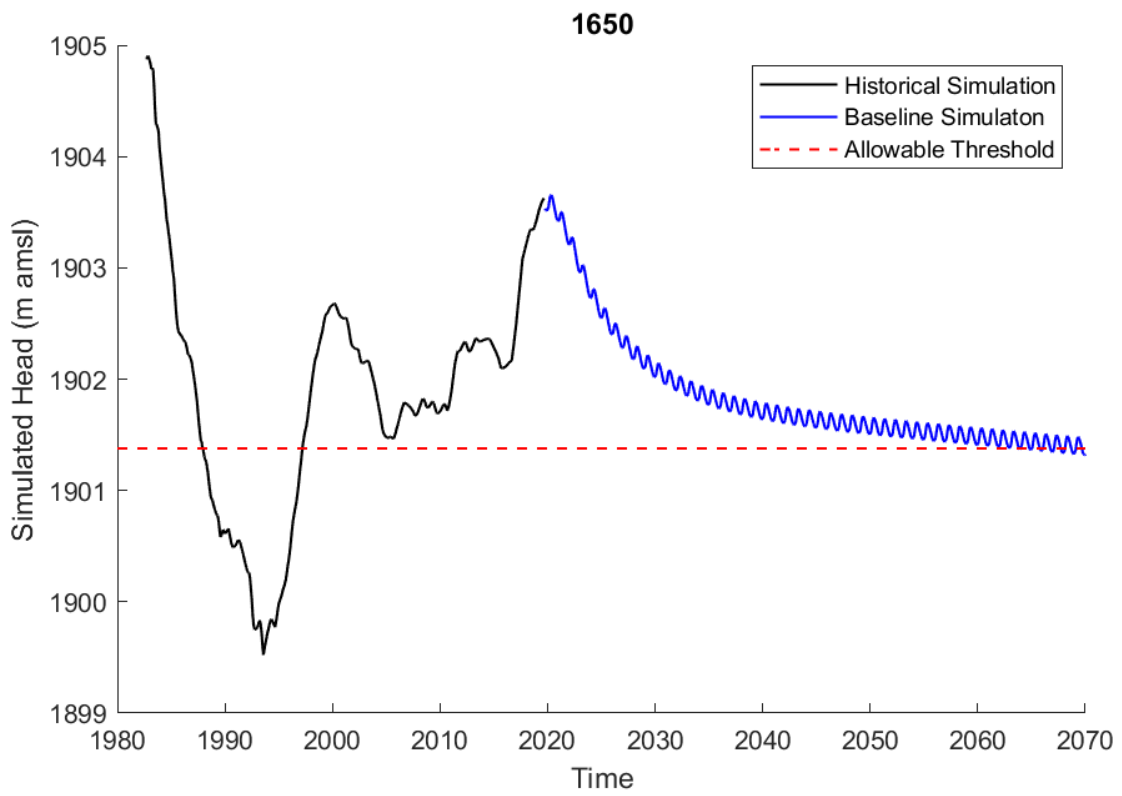


Figure 21. Historical and baseline simulations for vulnerable SEZ 1650.

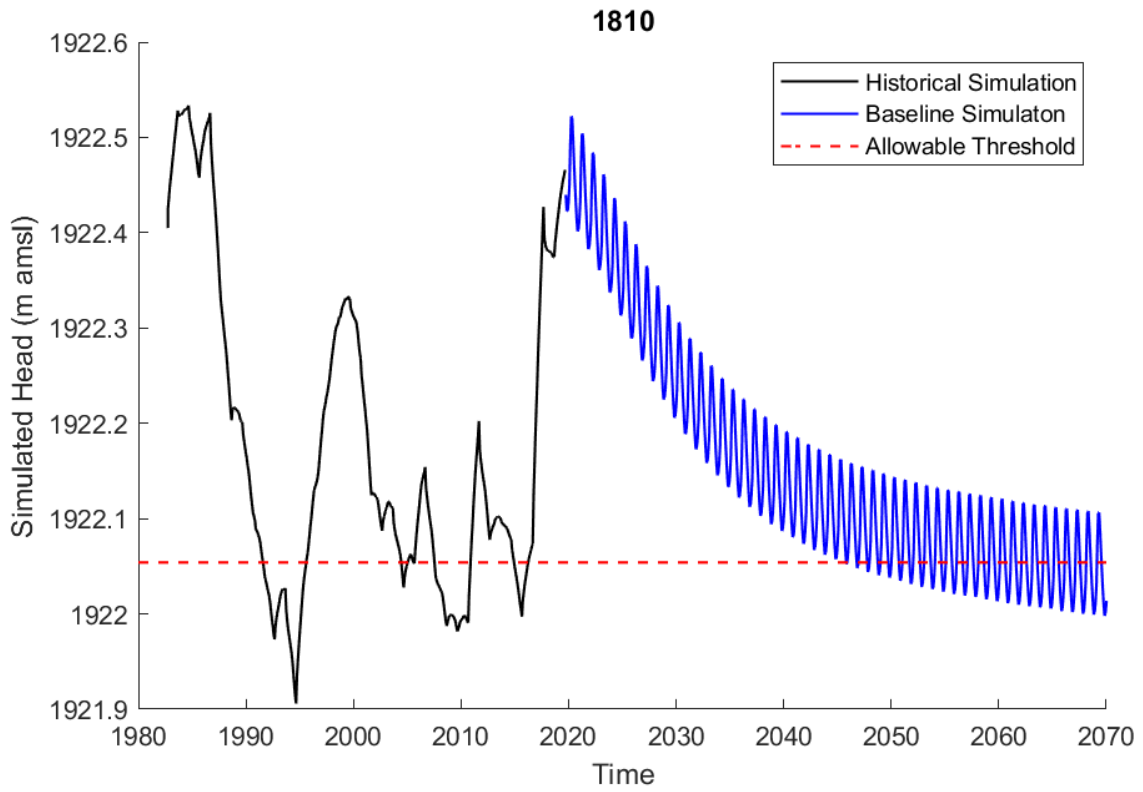


Figure 22. Historical and baseline simulations for vulnerable SEZ 1810.

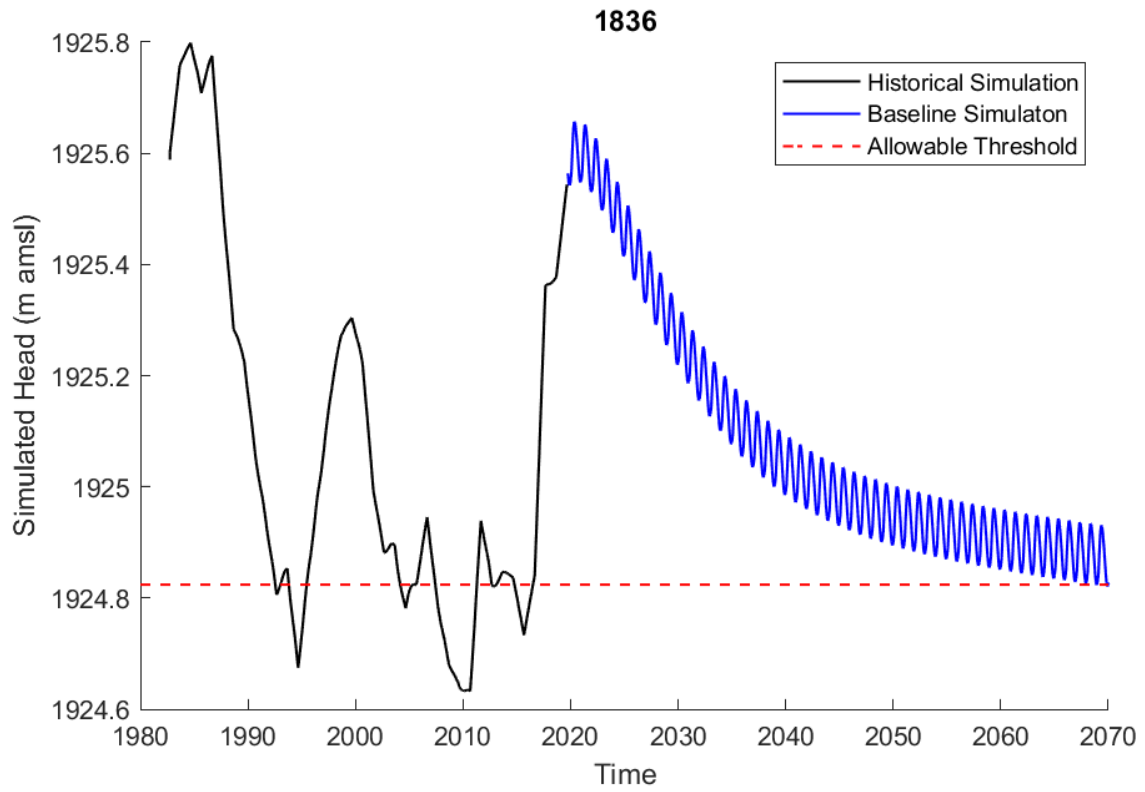


Figure 23. Historical and baseline simulations for vulnerable SEZ 1836.

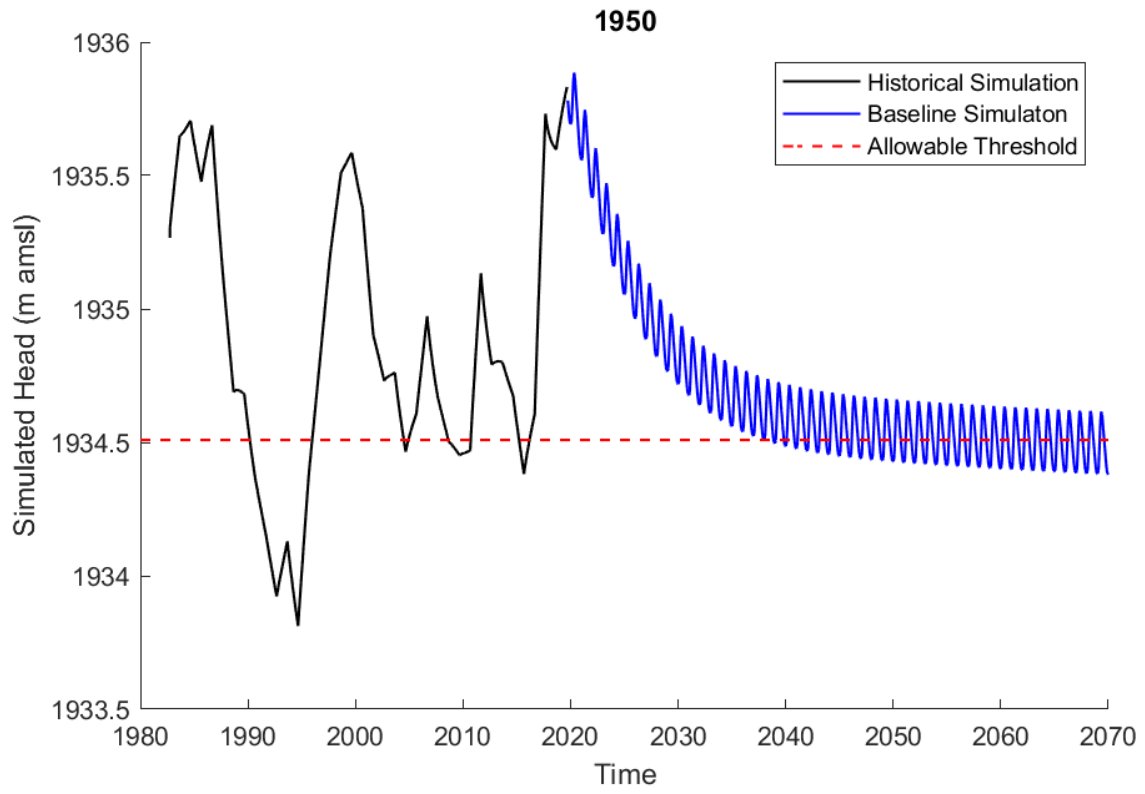


Figure 24. Historical and baseline simulations for vulnerable SEZ 1950.

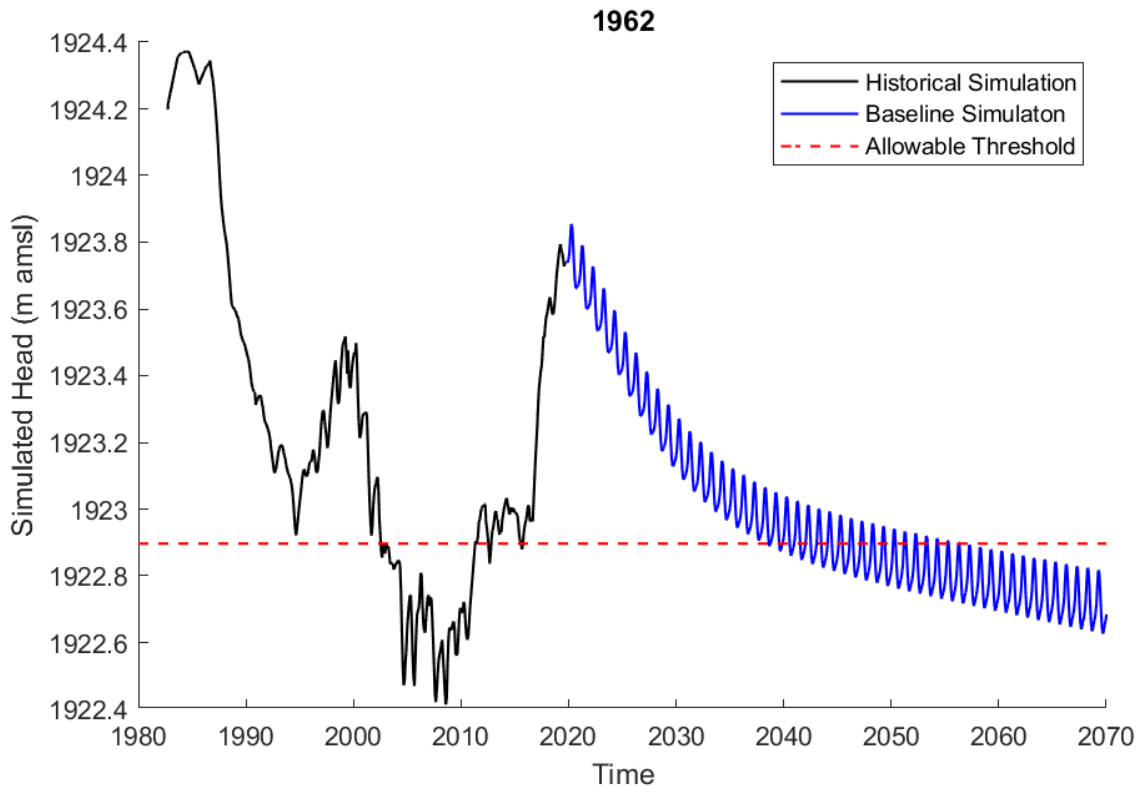


Figure 25. Historical and baseline simulations for vulnerable SEZ 1962.

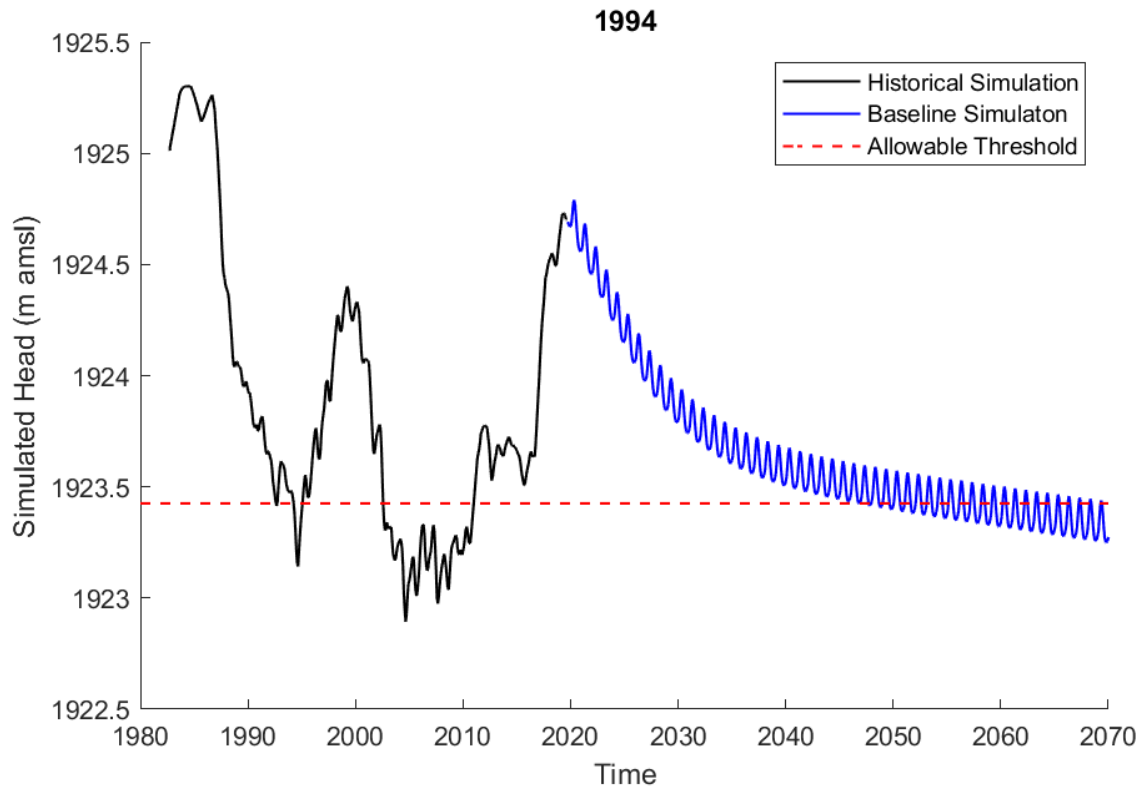


Figure 26. Historical and baseline simulations for vulnerable SEZ 1994.

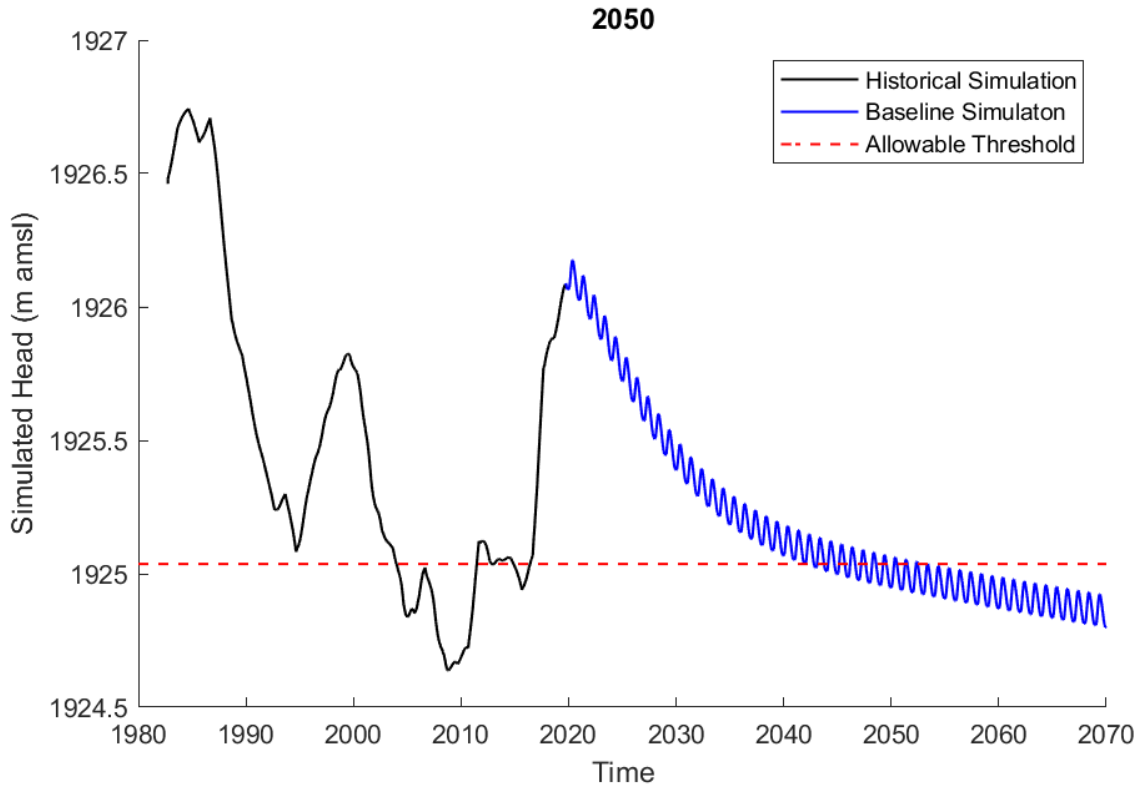


Figure 27. Historical and baseline simulations for vulnerable SEZ 2050.

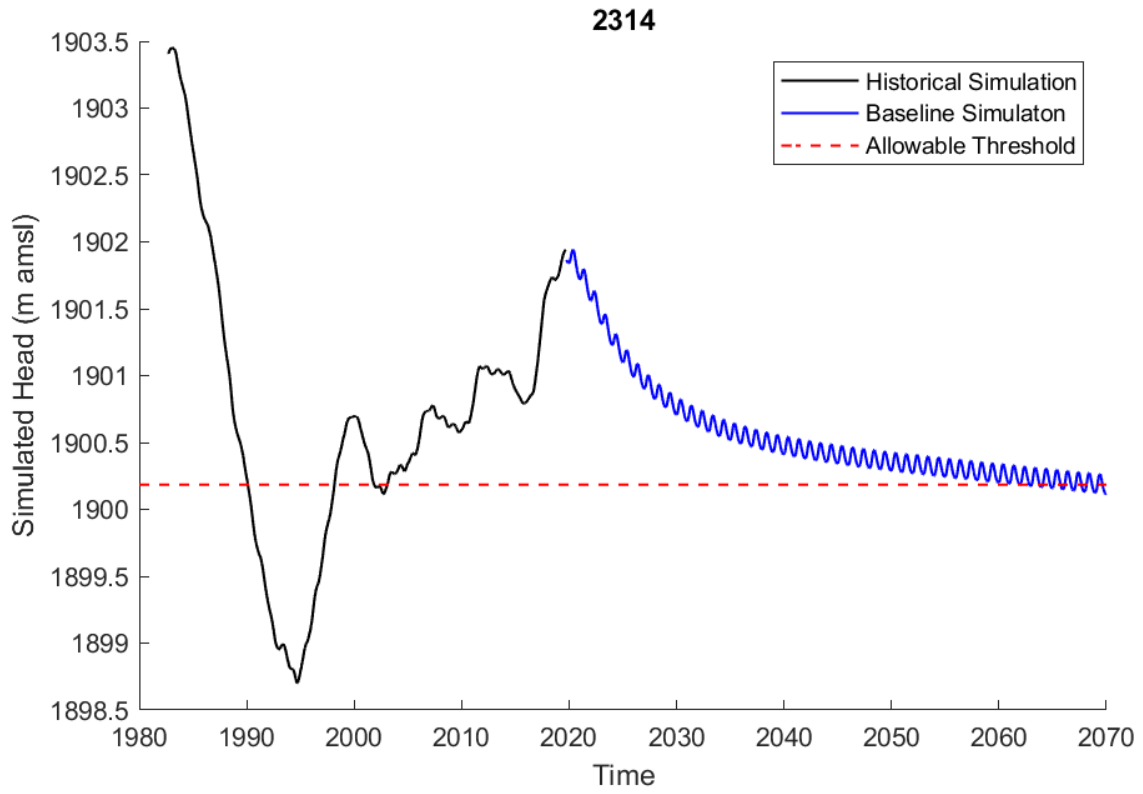


Figure 28. Historical and baseline simulations for vulnerable SEZ 2314.

APPENDIX H

Survey of Private Well Owners

STPUD getting better grasp on all well use

laketahoenews.net/2017/08/stpud-getting-better-grasp-well-use/

Published: August 12, 2017

By Kathryn Reed

Red dots fill a map; with most being located in Christmas Valley and near the state line. They represent the more than 600 private wells within South Tahoe Public Utility District's boundaries.

Most are at residences, while others are at campgrounds, a school, trailer parks and other commercial entities.

Per state requirements South Tahoe PUD is trying to get a firm understanding on how many are operational, exact locations and if people have any issues.

Ivo Bergsohn, a hydrogeologist with the district, is tasked with overseeing all of this. A survey with 19 questions is being sent out to the well owners this month to gather some basic data, see if they have questions, and let them know the district can help where appropriate.

"The information we gather will be used to help guide the groundwater management plan," Bergsohn told *Lake Tahoe News*.



Ivo Bergsohn with STPUD is overseeing the groundwater program. Photo/Kathryn Reed

During the drought California thought it would be a good idea to start regulating groundwater. It was one of the last states to do so. With laws that were **passed in 2014**, different jurisdictions had to create groundwater management plans. STPUD is in charge of that mandate for much of the basin on the South Shore, though El Dorado County has oversight in some areas.

Groundwater management pertains to the water level, storage, quality, land capability, and ensuring there are no adverse effects to surface water from pumping.

In 2016, per state mandate the district performed a stress test to determine how much water it had. At that time – which was before last year’s record snowfall and at the height of the drought – there was enough water in the aquifer for 31 years.

This figure is based on the demand from 2013, 2014 and 2015 which averaged 6,173 acre-feet per year.

The district is not looking for new customers or even to tell people how to use their well or regulate the use in any way.

What employees can do is provide tips about maintenance, share how to properly disinfect a well and other related information.

“If we have a properly managed well, there is potentially one less conduit of contaminate into the aquifer,” Bergsohn said.

People keep their wells for various reasons – for historical purposes, not wanting to pay a water bill, not wanting anything added to their water, and staying off the grid, so to speak.

STPUD was well ahead of the state in monitoring groundwater issues. It has been doing so since about 2000, three years after the gasoline additive MTBE (methyl tertiary butyl ether) was found in wells. The district won a multi-million-dollar lawsuit against several gas companies as a result of that contamination.

Contamination, though, remains the No. 1 threat to the district’s water supply, according to Bergsohn. PCE (tetrachloroethylene) is an issue today with wells in the Tahoe Keys and Lukins Brothers water districts being contaminated. STPUD is providing those two entities with water.

Arsenic is a naturally occurring contaminate, for which public districts regularly test.



News Release

South Tahoe Public Utility District
1275 Meadow Crest Drive,
South Lake Tahoe CA 96150

Contact: Shelly Thomsen
sthomsen@stpud.us
530-543-6208

Groundwater Well Survey for Private Well Owners

South Lake Tahoe, CA (June 29, 2020) – South Tahoe Public Utility District invites private well owners to take a 5-10 minute survey about their well, water usage, and any concerns they may have concerning their well. For participation in the survey the District is offering guidance on well maintenance, a free site check to help prevent contamination from entering the well, and free water testing to understand the well's water quality.

Despite living next to one of the deepest and clearest lakes in the United States, South Lake Tahoe's primary source of drinking water comes from groundwater. Groundwater is a shared natural resource that customers of South Tahoe Public Utility District, Lukins Brothers Water Company, Tahoe Keys Property Owners Association Water Company, and over 600 private well owners rely on for fresh, clean drinking water.

South Tahoe Public Utility District serves as the Groundwater Sustainability Agency (GSA) for South Lake Tahoe. As such, the District works closely with local water suppliers, private well owners and regulators to develop and apply the Groundwater Management Plan. By stepping up to serve as the GSA, the District is helping to ensure that locals have the primary say, and responsibility for, managing local groundwater resources, instead of the state.

The groundwater well survey is being provided in the form of a questionnaire which can be completed either from home, by phone, or on-line. Results from the private well owner survey will be used to help inform the District about drinking water concerns within South Lake Tahoe's groundwater basin. For questions about the survey or to schedule a well check or water quality test, contact **Jason Brand at (530) 544-6474 ext.6260** or visit stpud.us.

###

APPENDIX C

List of the WOS Questions

Dear Customer;

County maps indicate there is a groundwater well on this property and we at the South Tahoe Public Utility District are offering support for well users. Our interest is to protect and maintain our shared groundwater for everyone's benefit. The District is now a Groundwater Sustainability Agency, which means we steward our local groundwater resource and are answerable to the State of California to do so. You, as the owner, user or manager of a well, are invited to partner with the District to learn about our local groundwater and your well. The first step is completing this survey.

Welcome to the South Tahoe Groundwater Wells Survey. Thank you for participating. Your answers to the following questions are the portal to shared understanding of your well and its relationship to South Tahoe groundwater.

PARCEL ID:

SURVEY PARTICIPANT CONTACT INFORMATION

NAME:

STREET ADDRESS:

MAILING ADDRESS:

PHONE:

EMAIL:

ADDITIONAL NOTES

ABOUT PROPERTY OWNERSHIP AND USAGE

1. Are you the property owner at this address?

Yes, I have owned this property since _____

No

2. As owner, which best describes your relationship to this property?

- This is my primary residence.
- I use this as a second home / vacation residence.

As a second home I use this property primarily

- Winter (January – March)
- Spring (April – June)
- Summer (July – September)
- Fall (October – December)
- throughout the year
- at random, there is no particular season I am here.
- I rent out this property as a vacation rental.
- I rent out this property as a long-term rental.

3. If you are not the property owner, what is your relationship to this property?

- Long Term Renter
- Seasonal Renter

4. Is there a business on this property?

- Yes
- No

5. Please select the best description of the business(es) use of this address.

- Bed/Breakfast
- Hotel/Motel
- Apartment
- Mobile Home(s)
- Resort
- Restaurant

ABOUT THE WELL

6. Is there a well at this property?

- Yes, there is a well.
- No, to my knowledge there is not a well.
- I do not know if there is a well on this property.

7. Is the well in use?

- Yes, the well is used.
- No, the well is not used.
- I do not know whether the well is used.

ABOUT WATER USE

8. How often do you use the well?

- Nearly every day
- more than 90 days a year
- between 60 and 90 days a year
- between 30 and 60 days a year
- less than 30 days a year
- less than 15 days a year
- Not at all

9. Is the well the primary source of household water?

- Yes, the well is the primary source of household water
- No, the well is not the primary source of household water, but is used for irrigation.

ABOUT WELL WATER QUALITY

10. What qualities of the well water do you most like?

- Taste, Color, Odor
- Purity
- Other: Please write in your response.

11. What qualities of the well water do you most dislike?

- Taste, Color, Odor
- Mineral Deposits
- Other: Please write in your response.

12. Do you now or have you ever had any concern about the well water?

- Yes
- No

13. The well water concern is/was in regard to

- Contaminants
- Taste
- Color
- Odor
- Other: Please write in your response.

ABOUT THE WATER WELL CONDITION

14. Do you now or have you ever had any concern about the well system?

- Yes, in regard to
- Pump failure
- Declining water production
- Declining water quality
- Wellhead in disrepair or lacking a tight seal
- Well connection to house
- No

15. Was the concern about the well system resolved?

- Yes
- No

ABOUT SUPPORT AVAILABLE TO WELL OWNERS, USERS AND MANAGERS

16. Are you interested in receiving information about County guidelines and requirements for well abandonments?

- Yes
- No

17. Would you like information about connecting to a public water system?

- Yes, I would like to know more about connecting to the public water system.
- No, I don't need any information about connecting to the public water system.

ABOUT GROUNDWATER

18. What do you consider the top three groundwater concerns in our South Tahoe community? (select 3)

- Groundwater contamination
- Climate change
- Declining groundwater levels
- Groundwater regulation
- Population growth; future water demands
- Other:
- I do not believe there are any groundwater-related concerns in the South Shore area.

South Tahoe Public Utility District, in collaboration with a stakeholders advisory group, developed a groundwater management plan. A copy of the plan is on the District's website at <http://stpud.us/news/groundwater-management-process/>.

19. Would you like to receive occasional District email updates about local groundwater management and wells?

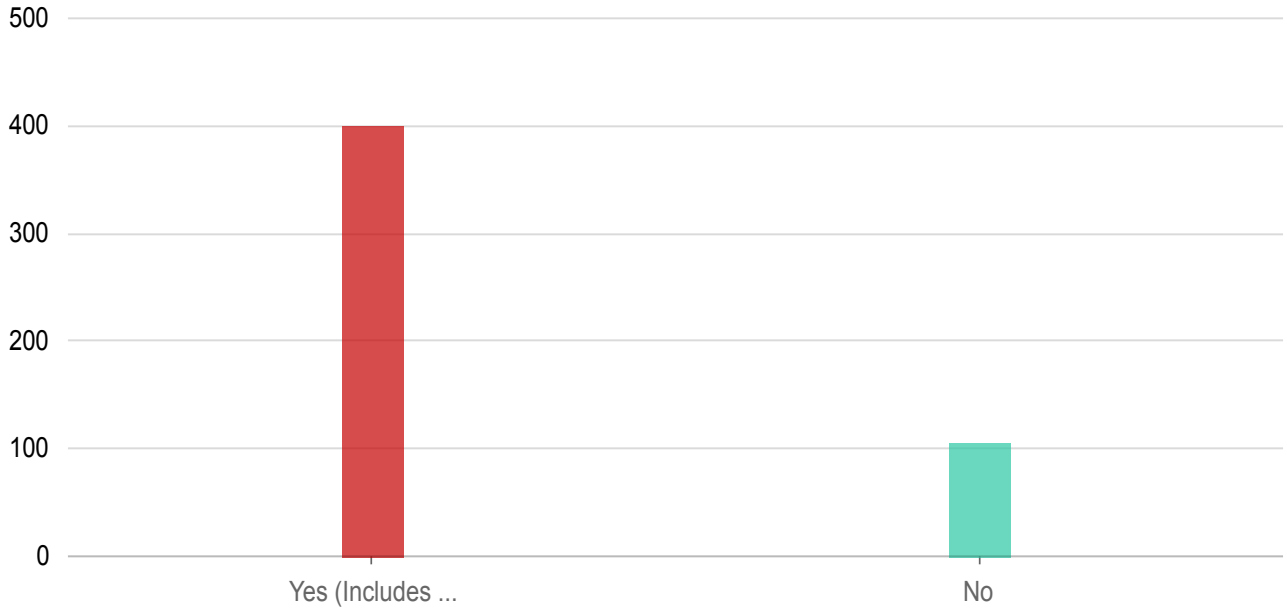
Yes, I would like to be on the District's groundwater email list

No, I would NOT like to be on the District's groundwater email list

Well Owner Survey Combined

About Property Ownership and Usage

○ Are you the property owner at this address?

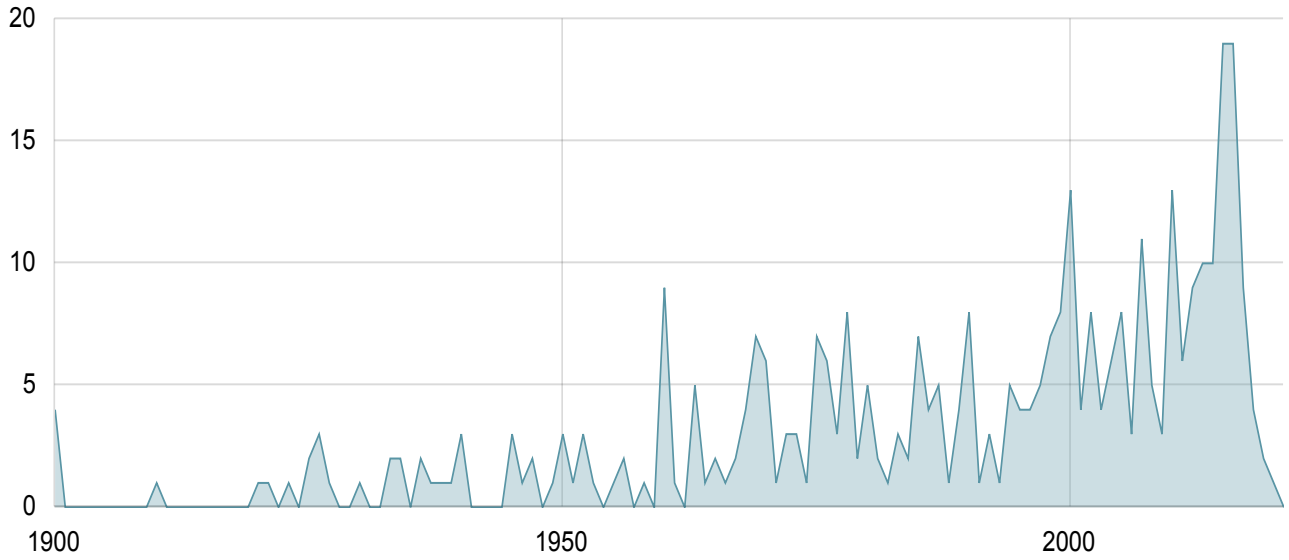


Answers	Count	Percentage
---------	-------	------------

Yes (Includes Property Managers)	401	78.78%
No	106	20.83%

Answered: 507 Skipped: 2

○ Since when have you owned this property?



Date **Count**

Jan 1, 1900 - Jan 1, 1901	4
Jan 1, 1910 - Jan 1, 1911	1
Jan 1, 1920 - Jan 1, 1921	1
Jan 1, 1921 - Jan 1, 1922	1
Jan 1, 1923 - Jan 1, 1924	1
Jan 1, 1925 - Jan 1, 1926	2
Jan 1, 1926 - Jan 1, 1927	3
Jan 1, 1927 - Jan 1, 1928	1
Jan 1, 1930 - Jan 1, 1931	1
Jan 1, 1933 - Jan 1, 1934	2
Jan 1, 1934 - Jan 1, 1935	2
Jan 1, 1936 - Jan 1, 1937	2
Jan 1, 1937 - Jan 1, 1938	1
Jan 1, 1938 - Jan 1, 1939	1

Jan 1, 1939 - Jan 1, 1940	1
Jan 1, 1940 - Jan 1, 1941	3
Jan 1, 1945 - Jan 1, 1946	3
Jan 1, 1946 - Jan 1, 1947	1
Jan 1, 1947 - Jan 1, 1948	2
Jan 1, 1949 - Jan 1, 1950	1
Jan 1, 1950 - Jan 1, 1951	3
Jan 1, 1951 - Jan 1, 1952	1
Jan 1, 1952 - Jan 1, 1953	3
Jan 1, 1953 - Jan 1, 1954	1
Jan 1, 1955 - Jan 1, 1956	1
Jan 1, 1956 - Jan 1, 1957	2
Jan 1, 1958 - Jan 1, 1959	1
Jan 1, 1960 - Jan 1, 1961	9
Jan 1, 1961 - Jan 1, 1962	1
Jan 1, 1963 - Jan 1, 1964	5
Jan 1, 1964 - Jan 1, 1965	1
Jan 1, 1965 - Jan 1, 1966	2
Jan 1, 1966 - Jan 1, 1967	1
Jan 1, 1967 - Jan 1, 1968	2
Jan 1, 1968 - Jan 1, 1969	4
Jan 1, 1969 - Jan 1, 1970	7
Jan 1, 1970 - Jan 1, 1971	6

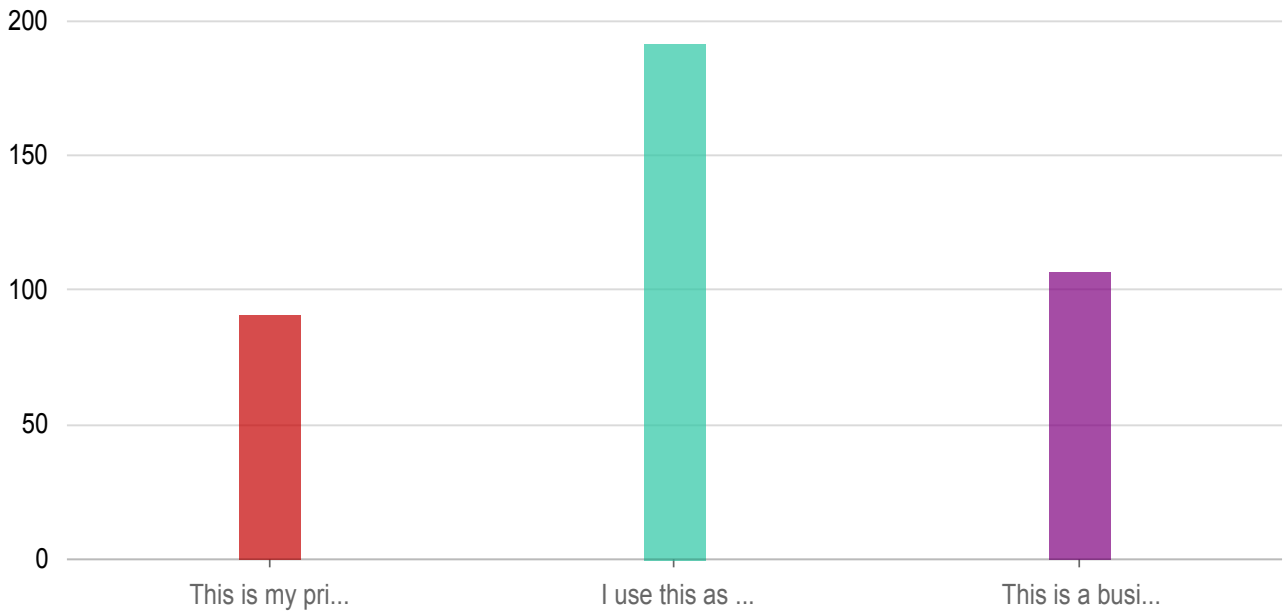
Jan 1, 1971 - Jan 1, 1972	1
Jan 1, 1972 - Jan 1, 1973	3
Jan 1, 1973 - Jan 1, 1974	3
Jan 1, 1974 - Jan 1, 1975	1
Jan 1, 1975 - Jan 1, 1976	7
Jan 1, 1976 - Jan 1, 1977	6
Jan 1, 1977 - Jan 1, 1978	3
Jan 1, 1978 - Jan 1, 1979	8
Jan 1, 1979 - Jan 1, 1980	2
Jan 1, 1980 - Jan 1, 1981	5
Jan 1, 1981 - Jan 1, 1982	2
Jan 1, 1982 - Jan 1, 1983	1
Jan 1, 1983 - Jan 1, 1984	3
Jan 1, 1984 - Jan 1, 1985	2
Jan 1, 1985 - Jan 1, 1986	7
Jan 1, 1986 - Jan 1, 1987	4
Jan 1, 1987 - Jan 1, 1988	5
Jan 1, 1988 - Jan 1, 1989	1
Jan 1, 1989 - Jan 1, 1990	4
Jan 1, 1990 - Jan 1, 1991	8
Jan 1, 1991 - Jan 1, 1992	1
Jan 1, 1992 - Jan 1, 1993	3
Jan 1, 1993 - Jan 1, 1994	1

Jan 1, 1994 - Jan 1, 1995	5
Jan 1, 1995 - Jan 1, 1996	4
Jan 1, 1996 - Jan 1, 1997	4
Jan 1, 1997 - Jan 1, 1998	5
Jan 1, 1998 - Jan 1, 1999	7
Jan 1, 1999 - Jan 1, 2000	8
Jan 1, 2000 - Jan 1, 2001	13
Jan 1, 2001 - Jan 1, 2002	4
Jan 1, 2002 - Jan 1, 2003	8
Jan 1, 2003 - Jan 1, 2004	4
Jan 1, 2004 - Jan 1, 2005	6
Jan 1, 2005 - Jan 1, 2006	8
Jan 1, 2006 - Jan 1, 2007	3
Jan 1, 2007 - Jan 1, 2008	11
Jan 1, 2008 - Jan 1, 2009	5
Jan 1, 2009 - Jan 1, 2010	3
Jan 1, 2010 - Jan 1, 2011	13
Jan 1, 2011 - Jan 1, 2012	6
Jan 1, 2012 - Jan 1, 2013	9
Jan 1, 2013 - Jan 1, 2014	10
Jan 1, 2014 - Jan 1, 2015	10
Jan 1, 2015 - Jan 1, 2016	19
Jan 1, 2016 - Jan 1, 2017	19

Jan 1, 2017 - Jan 1, 2018	9
Jan 1, 2018 - Jan 1, 2019	4
Jan 1, 2019 - Jan 1, 2020	2

Answered: 364 Skipped: 145

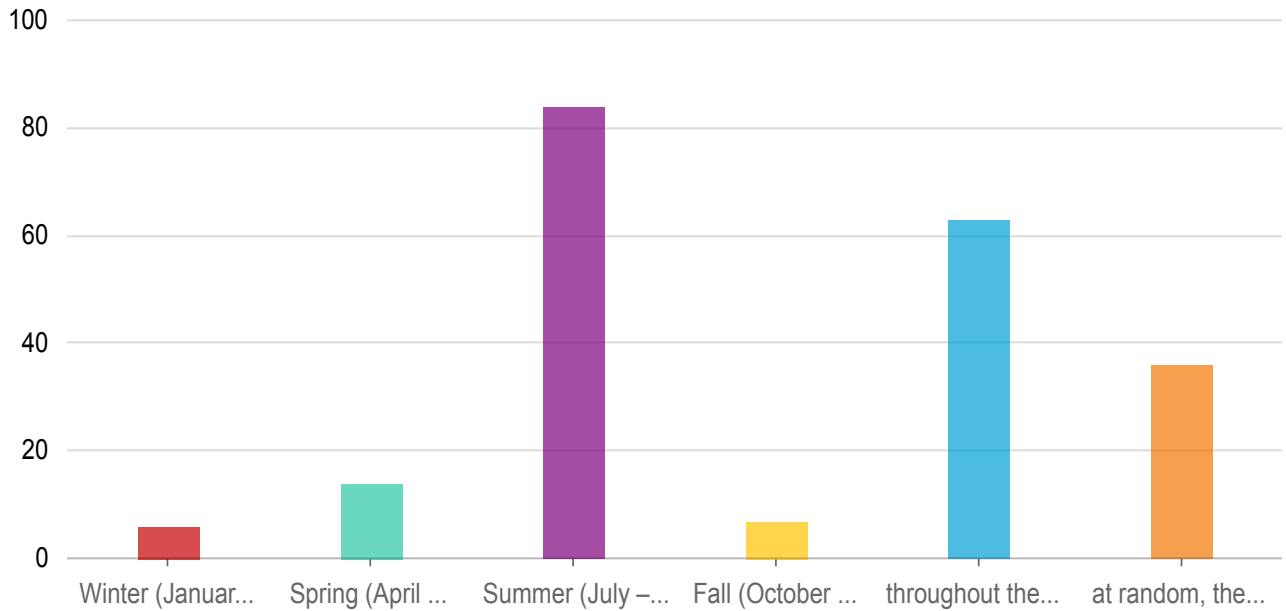
As owner, which best describes your relationship to this property?



Answers	Count	Percentage
This is my primary residence.	91	17.88%
I use this as a second home / vacation residence.	192	37.72%
This is a business property.	107	21.02%

Answered: 390 Skipped: 119

As a second home I use this property primarily:

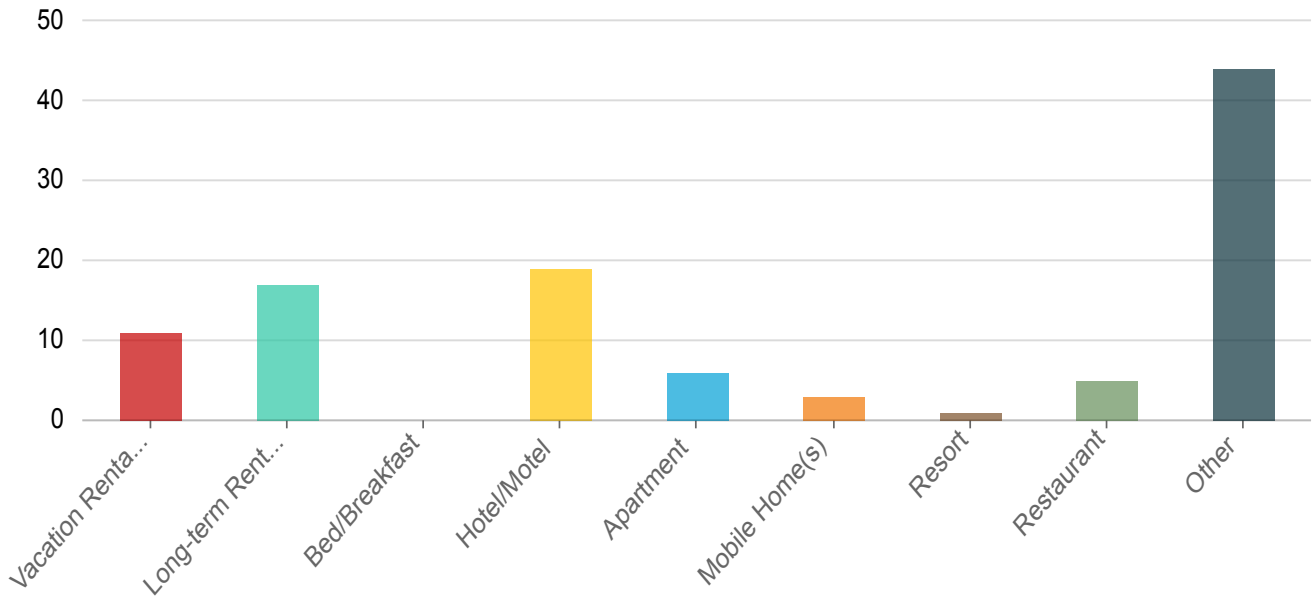


Answers **Count** **Percentage**

Answers	Count	Percentage
Winter (January – March)	6	1.18%
Spring (April – June)	14	2.75%
Summer (July – September)	84	16.5%
Fall (October – December)	7	1.38%
throughout the year	63	12.38%
at random, there is no particular season I am here	36	7.07%

Answered: 178 Skipped: 331

Please select the best description of the business(es) use of this address.



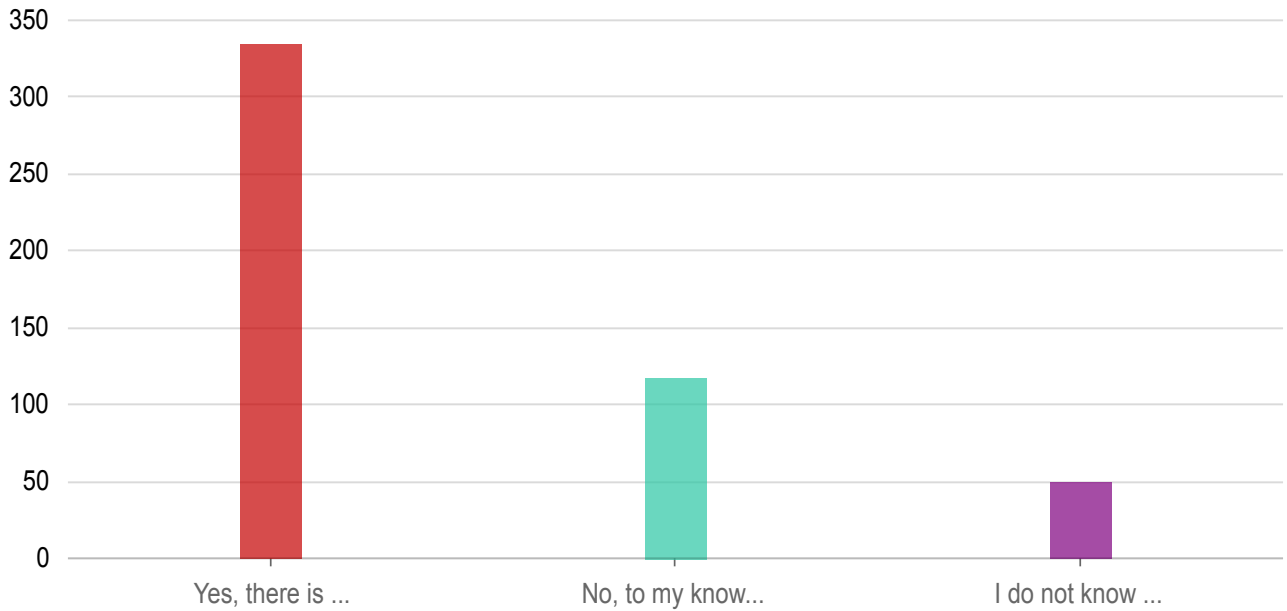
Answers **Count** **Percentage**

Answers	Count	Percentage
Vacation Rental	11	2.16%
Long-term Rental	17	3.34%
Bed/Breakfast	0	0%
Hotel/Motel	19	3.73%
Apartment	6	1.18%
Mobile Home(s)	3	0.59%
Resort	1	0.2%
Restaurant	5	0.98%
Other	44	8.64%

Answered: 106 Skipped: 403

About the Well and Water Use

Is there a well at this property?

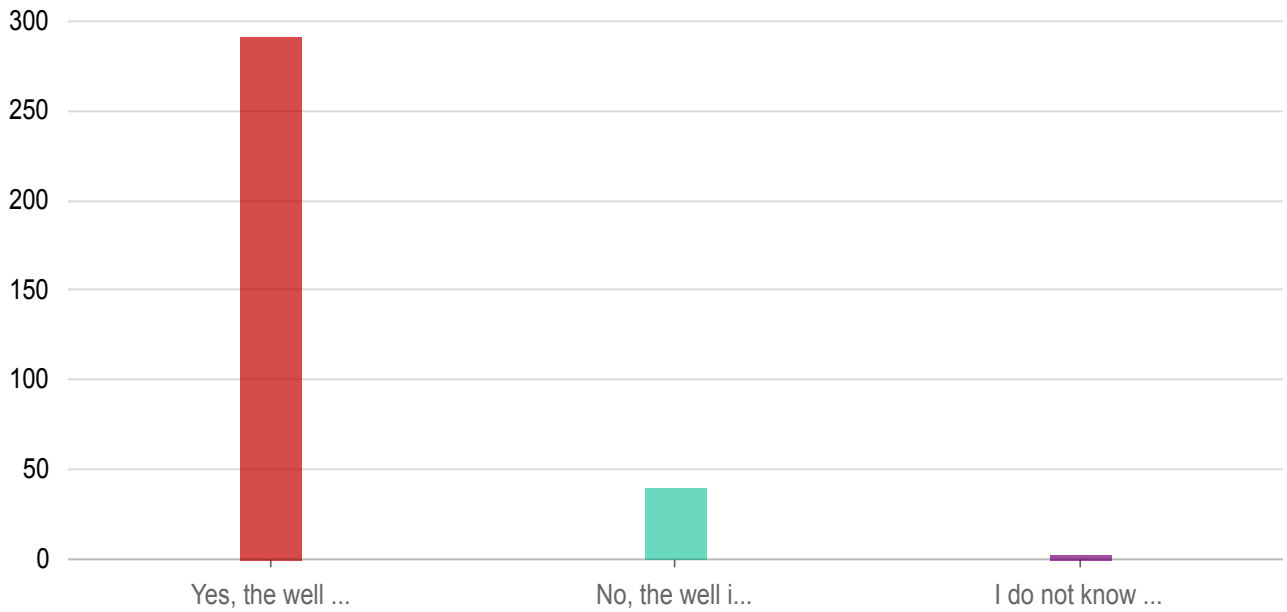


Answers **Count** **Percentage**

Yes, there is a well.	335	65.82%
No, to my knowledge there is not a well.	118	23.18%
I do not know if there is a well on this property.	50	9.82%

Answered: 503 Skipped: 6

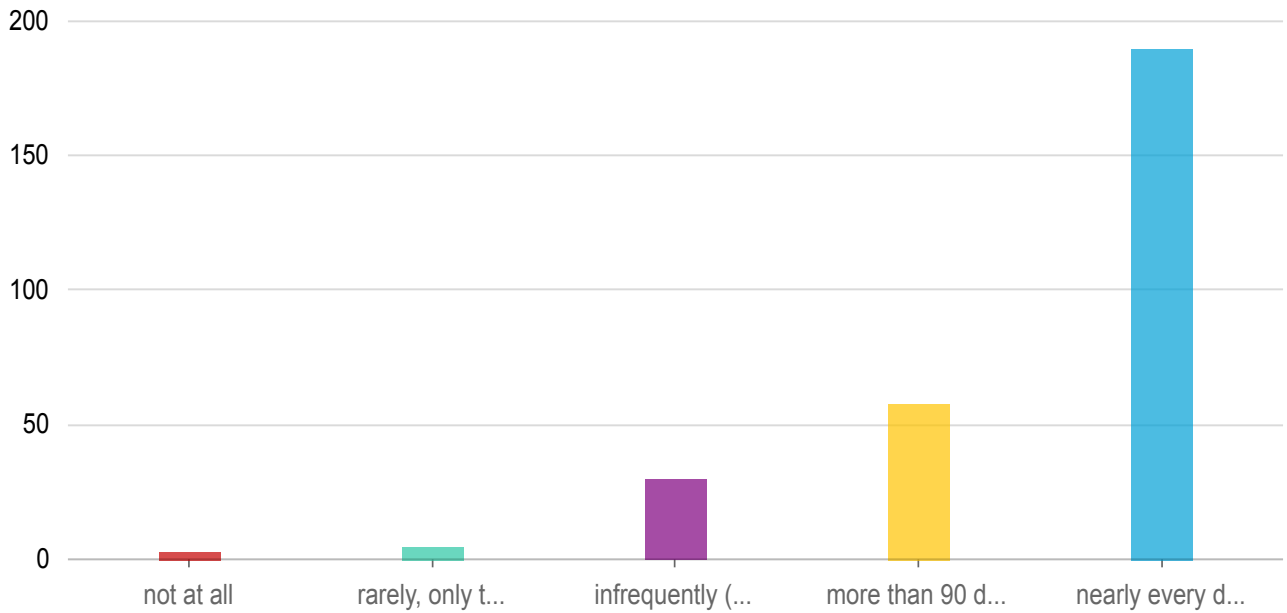
Is the well in use?



Yes, the well is used.	292	57.37%
No, the well is not used.	40	7.86%
I do not know whether the well is used.	3	0.59%

Answered: 335 Skipped: 174

○ How often do you use the well?

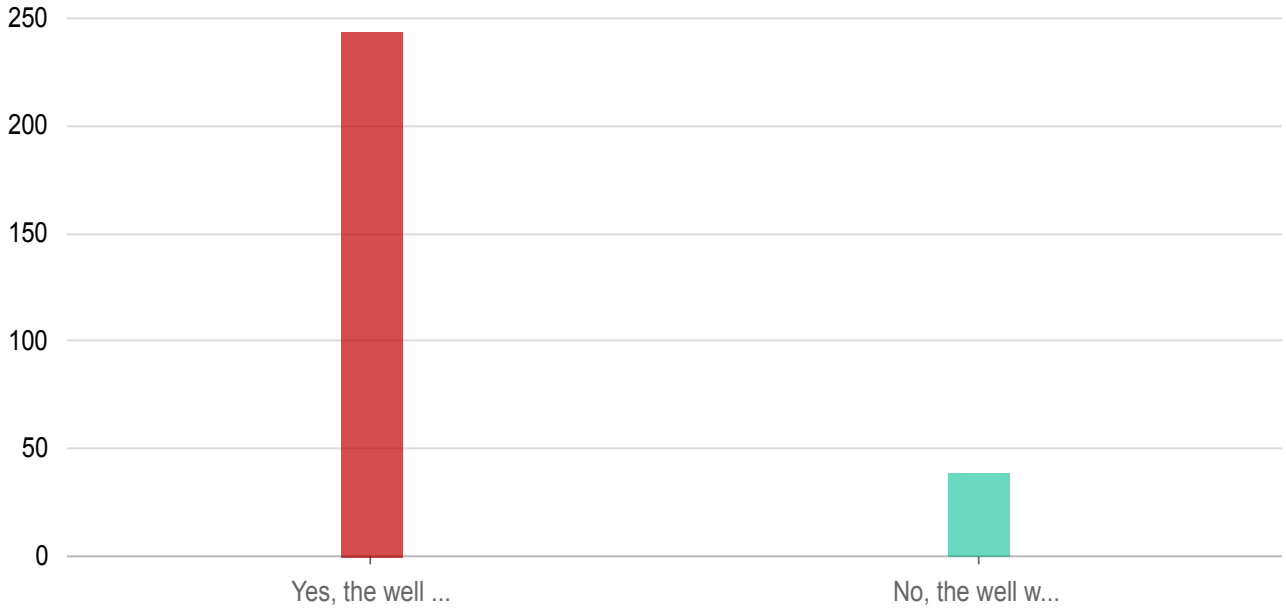


Answers	Count	Percentage
---------	-------	------------

not at all	3	0.59%
rarely, only to check or maintain it (less than 15 days a year)	5	0.98%
infrequently (approx. 15 to 90 days a year)	30	5.89%
more than 90 days a year (but not every day)	58	11.39%
nearly every day	190	37.33%

Answered: 286 Skipped: 223

○ Is the well the primary source of household or business water?



Answers **Count** **Percentage**

Yes, the well is the primary source of water.	244	47.94%
No, the well water is not used for household or business purposes but is used solely for irrigation.	39	7.66%

Answered: 283 Skipped: 226

Is there a secondary, or backup, source of household water?

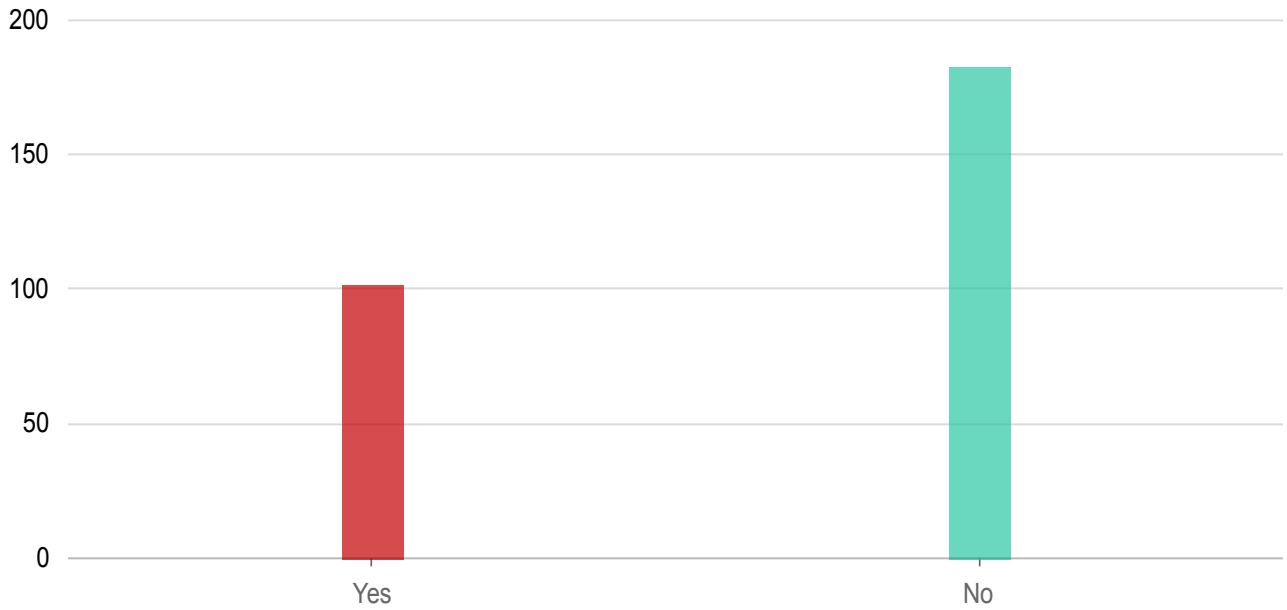


Answers **Count** **Percentage**

Yes	11	2.16%
No	229	44.99%

Answered: 240 Skipped: 269

May [I/We] view the well?

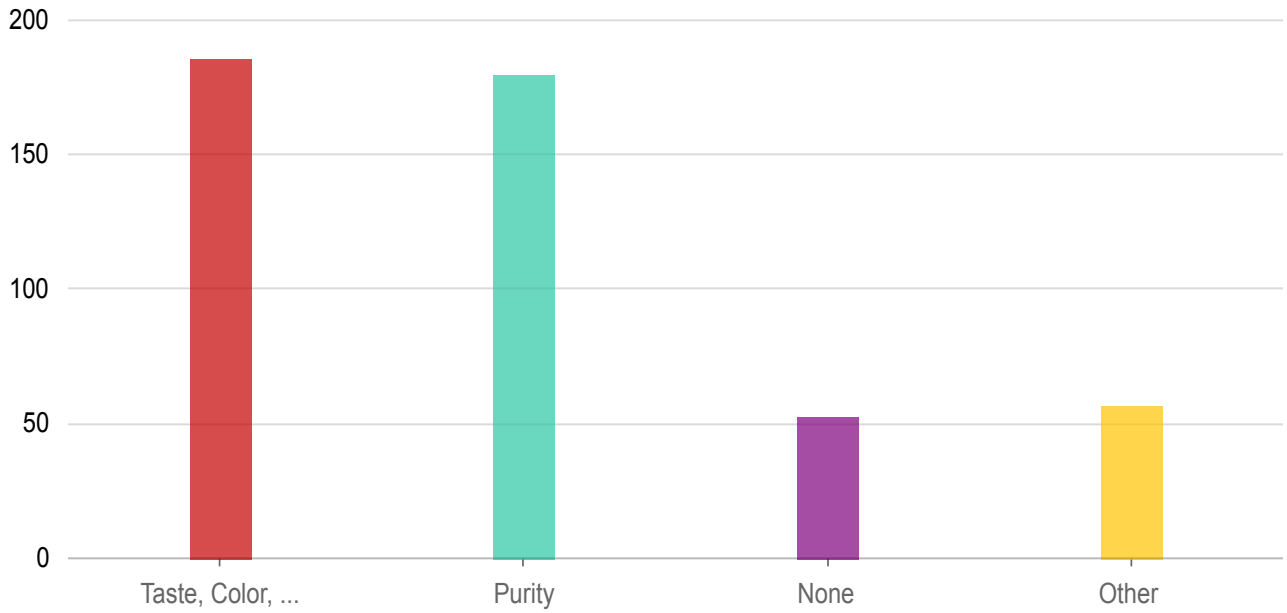


Answers	Count	Percentage
Yes	102	20.04%
No	183	35.95%

Answered: 285 Skipped: 224

About the Well Water Quality

What qualities of the well water do you most like?

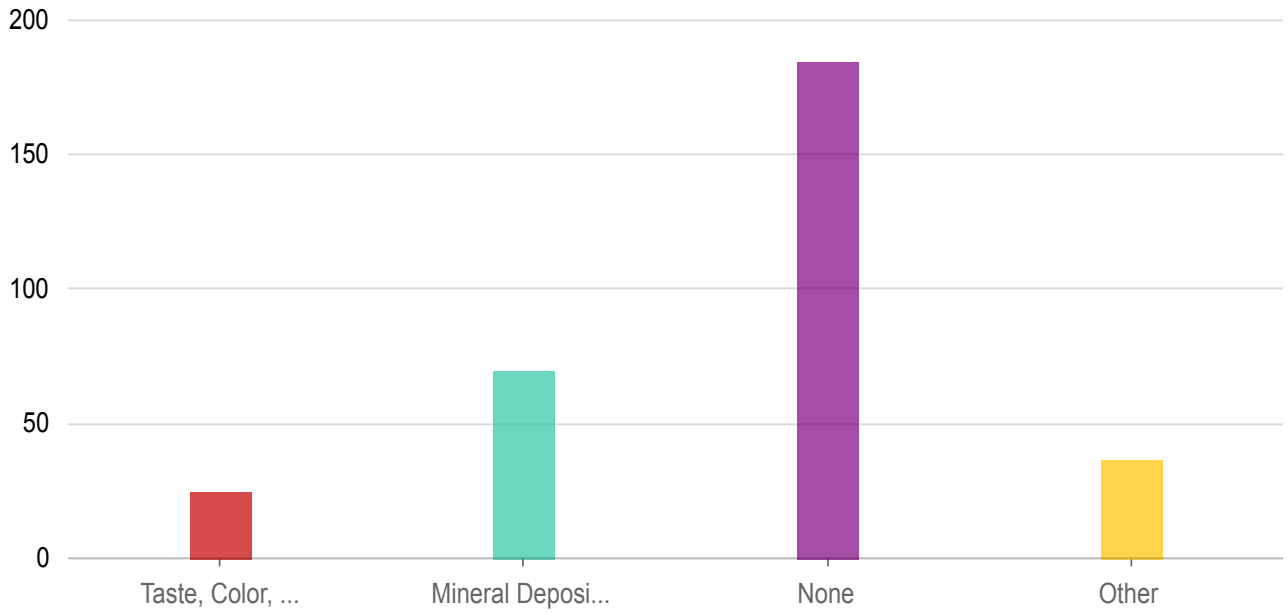


Answers **Count** **Percentage**

Answers	Count	Percentage
Taste, Color, Odor	186	36.54%
Purity	180	35.36%
None	53	10.41%
Other	57	11.2%

Answered: 302 Skipped: 207

○ What qualities of the well water do you most dislike?

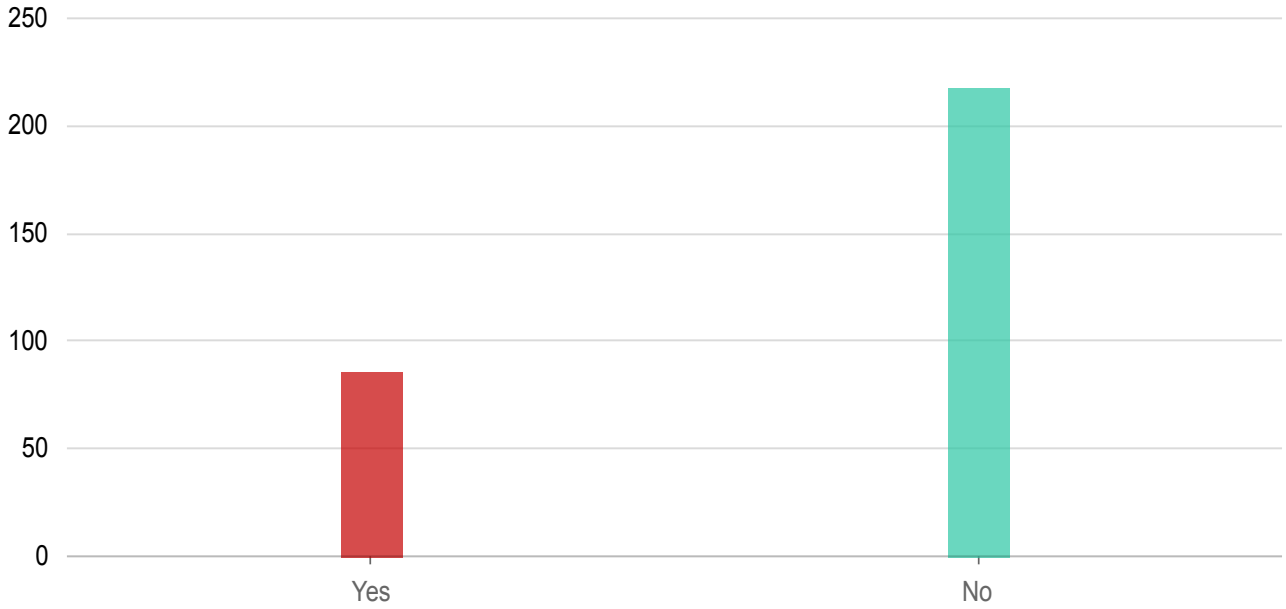


Answers **Count** **Percentage**

Answers	Count	Percentage
Taste, Color, Odor	25	4.91%
Mineral Deposits	70	13.75%
None	185	36.35%
Other	37	7.27%

Answered: 300 Skipped: 209

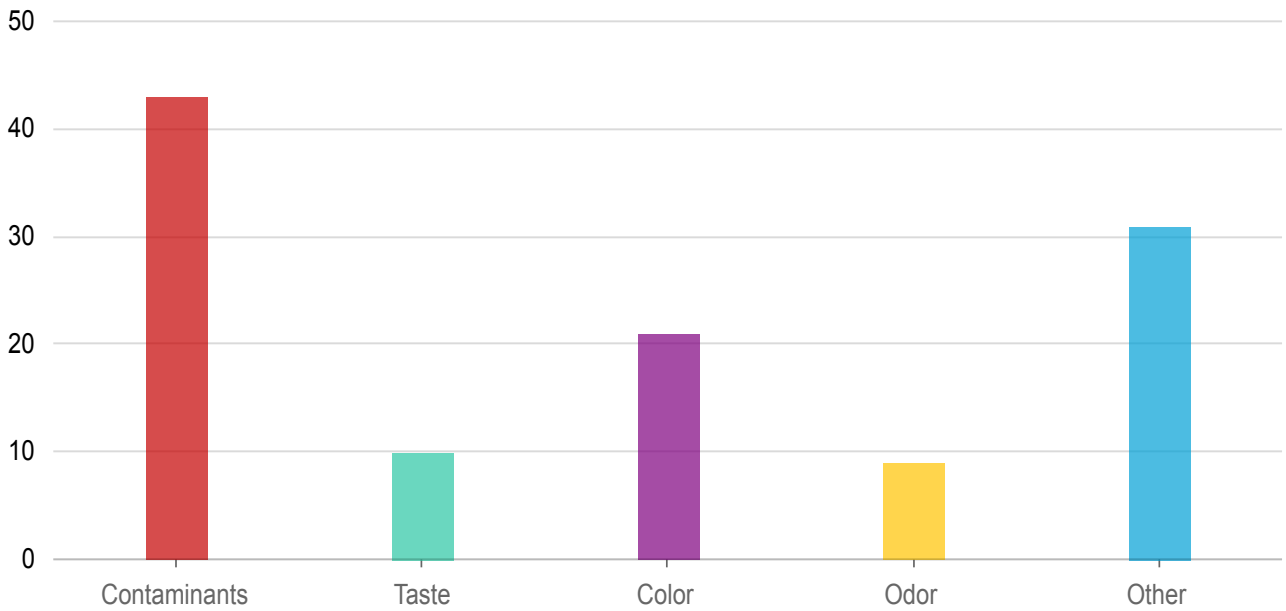
Do you now or have you ever had any concern about the well water?



Answers	Count	Percentage
Yes	86	16.9%
No	218	42.83%

Answered: 304 Skipped: 205

○ The well water concern is/was in regard to:



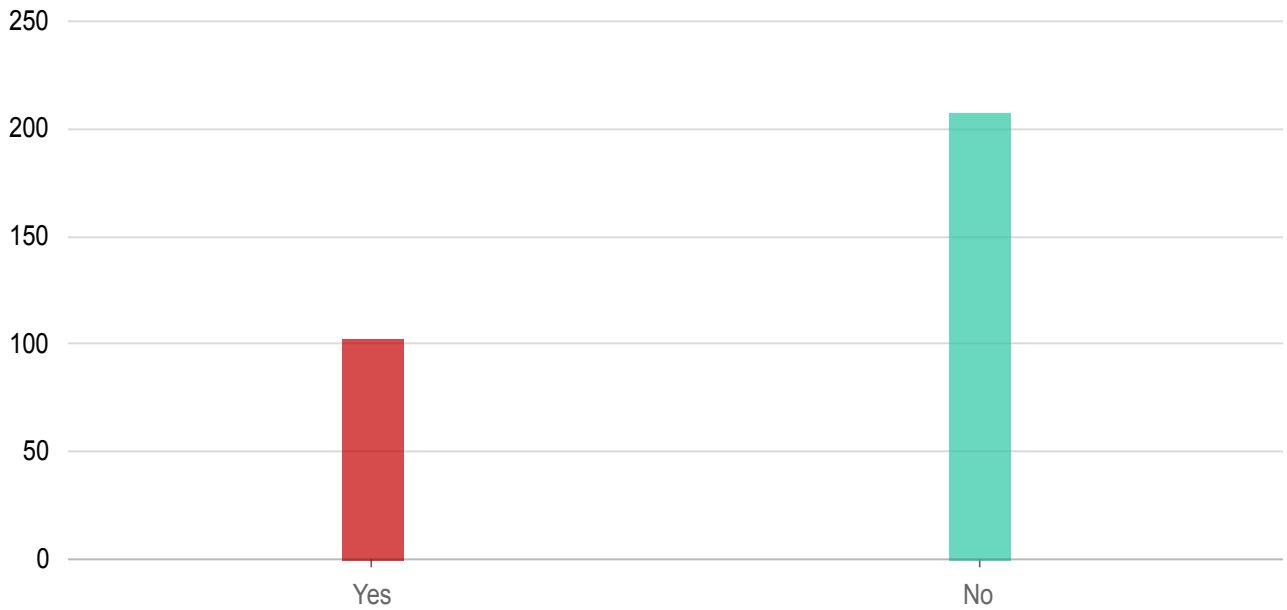
Answers	Count	Percentage
Contaminants	43	14.17%
Taste	10	3.3%
Color	21	6.93%
Odor	9	2.97%
Other	31	10.17%

Contaminants	43	8.45%
Taste	10	1.96%
Color	21	4.13%
Odor	9	1.77%
Other	31	6.09%

Answered: 85 Skipped: 424

About the Water Well Condition

Do you now or have you ever had any concern about the well system?



Answers

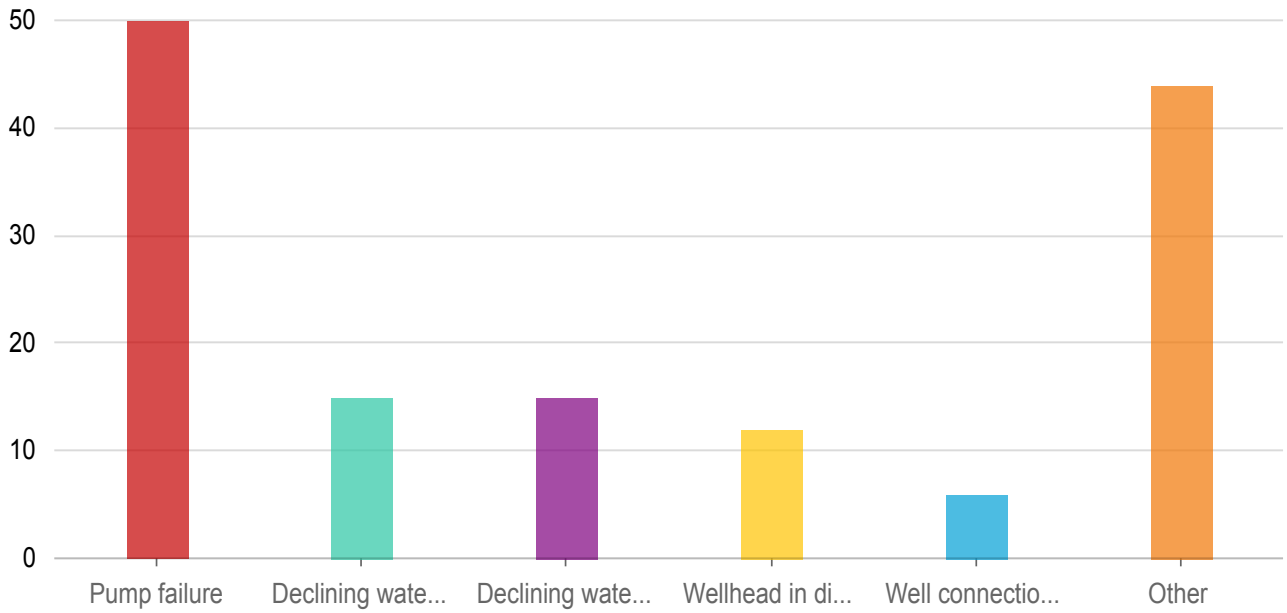
Count

Percentage

Yes	103	20.24%
No	208	40.86%

Answered: 311 Skipped: 198

Well concerns:

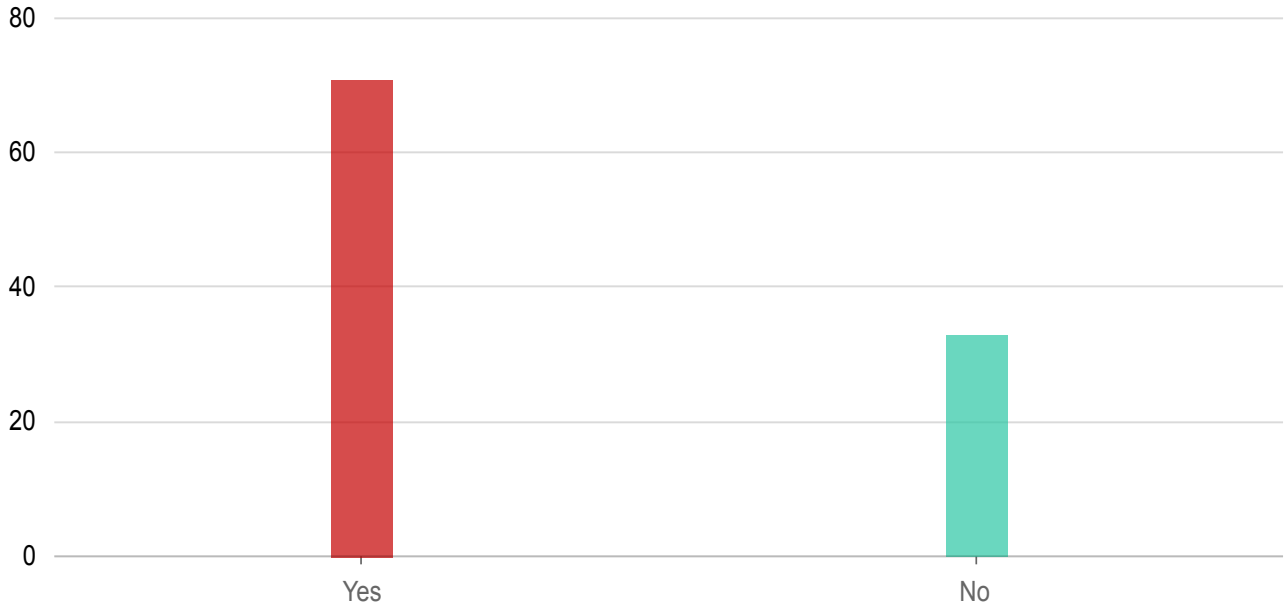


Answers	Count	Percentage
---------	-------	------------

Pump failure	50	9.82%
Declining water production	15	2.95%
Declining water quality	15	2.95%
Wellhead in disrepair or lacking tight seal	12	2.36%
Well connection to house	6	1.18%
Other	44	8.64%

Answered: 103 Skipped: 406

Has the concern about the system been resolved?



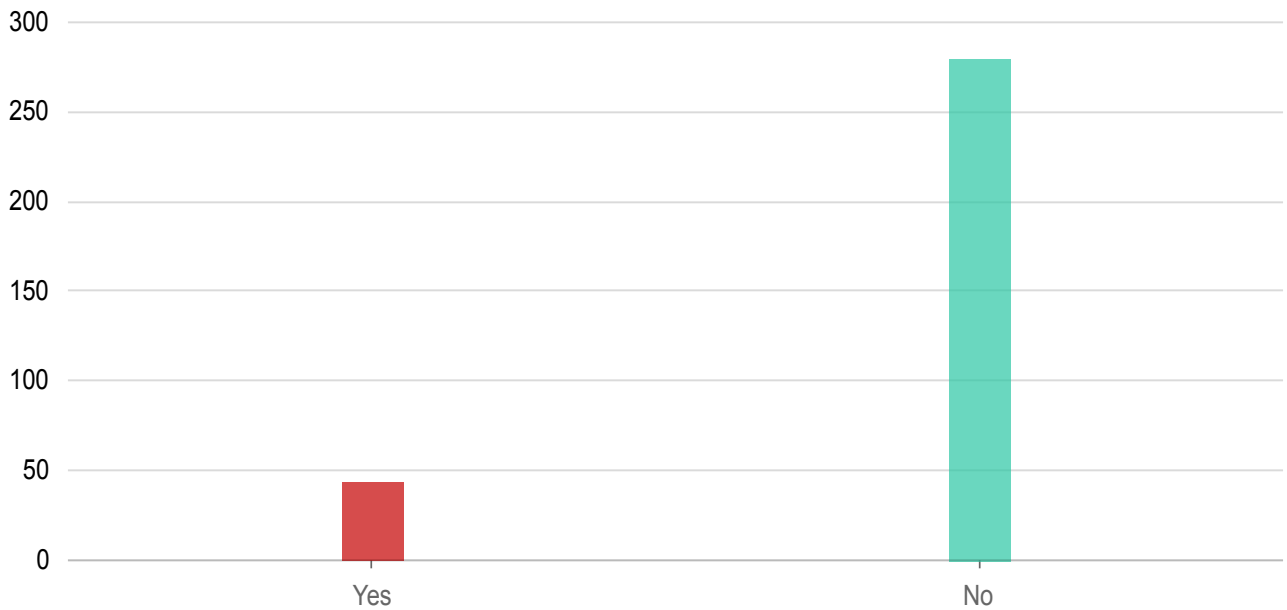
Answers **Count** **Percentage**

Yes	71	13.95%
No	33	6.48%

Answered: 104 Skipped: 405

About Support Available to Well Owners, Users and Managers

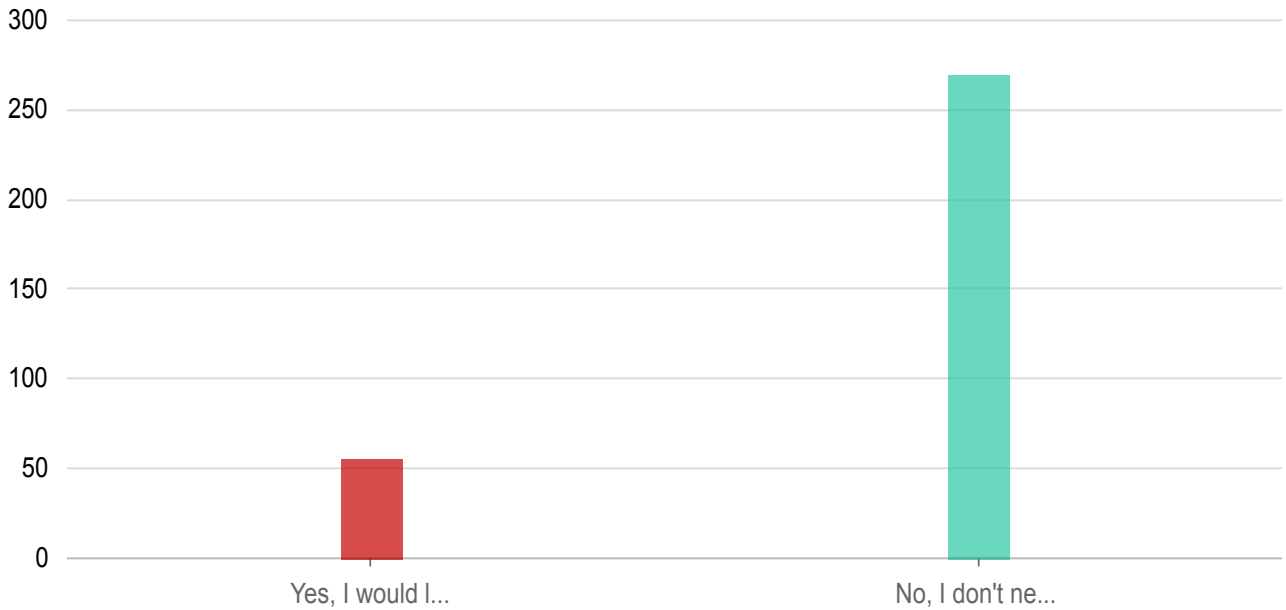
Are you interested in receiving information about County guidelines and requirements for well aban...



Yes	44	8.64%
No	280	55.01%

Answered: 324 Skipped: 185

○ **Would you like information about connecting to a public water system?**



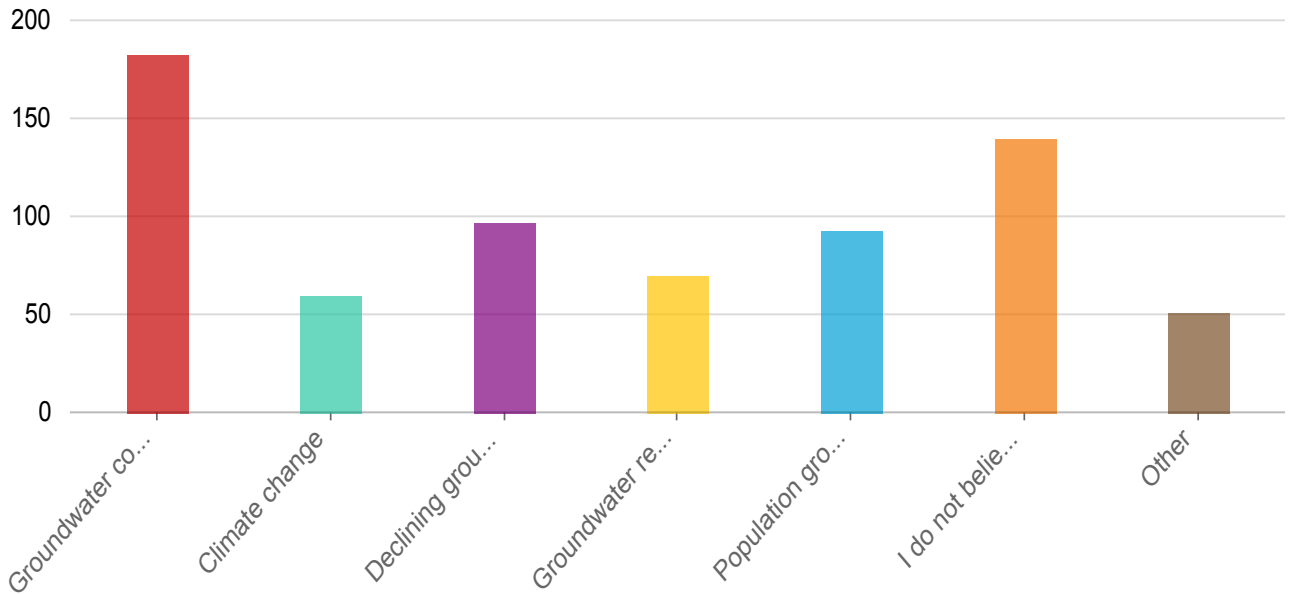
Answers	Count	Percentage
----------------	--------------	-------------------

Yes, I would like to know more about connecting to the public water system.	56	11%
No, I don't need any information about connecting to the public water system.	270	53.05%

Answered: 326 Skipped: 183

About Groundwater

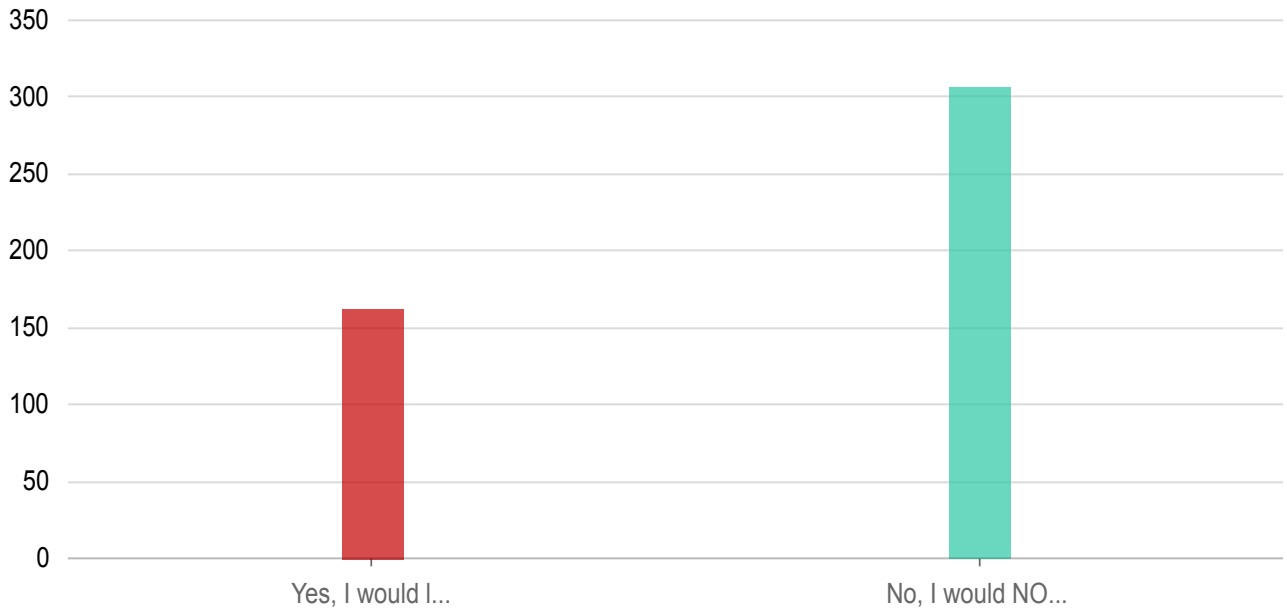
○ **What do you consider the top three groundwater concerns in our South Tahoe community?**



Answers	Count	Percentage
Groundwater contamination	183	35.95%
Climate change	60	11.79%
Declining groundwater levels	97	19.06%
Groundwater regulation	70	13.75%
Population growth; future water demands	93	18.27%
I do not believe there are any groundwater-related concerns in the South Shore area.	140	27.5%
Other	51	10.02%

Answered: 408 Skipped: 101

Would you like to receive occasional District email updates about local groundwater management an...



Answers **Count** **Percentage**

Yes, I would like to be on the District's groundwater email list	163	32.02%
No, I would NOT like to be on the District's groundwater email list	307	60.31%

Answered: 470 Skipped: 39

APPENDIX I

South Tahoe Groundwater Model

February 7, 2022

South Tahoe Groundwater Model Update

Susie Rybarski and Mark Hausner

Introduction

The South Tahoe Groundwater Model (STGM) for the Tahoe Valley South (TVS) Subbasin was originally developed to address Basin Management Objectives (BMO) described in the South Tahoe Public Utility District (District) TVS 2014 Groundwater Management Plan. The model was originally developed for water years (WY) 1983-2014 and was later extended through WY 2015 (Carroll et al, 2016a; Carroll et al, 2016b; Pohll et al, 2018). This model was also used as the basis for six potential future climate scenarios extending 33 years into the future. This technical memorandum describes modifications made to the most recent iteration of the historical model to extend it through WY 2019, as well as updates to the future climate scenarios to extend them through WY 2099, increase the temporal discretization, prepare projected 50-year water budgets, and assess potential climate-related impacts to the hydrologic system including lake stage declines.

The STGM was developed in MODFLOW-NWT (Niswonger et al., 2011) and relies on the Newton solution method and an unstructured, asymmetric matrix solver to calculate groundwater head. MODFLOW-NWT is specifically designed to work with the upstream weighted (UPW) package to solve complex, unconfined groundwater flow simulations to maintain numerical stability during the wetting and drying of model cells. The UPW package replaces the traditional MODFLOW packages, including the block-centered flow (BCF), the layer-property flow (LPF), and the hydrogeologic-unit flow (HUF). The UPW package differs from these previous packages by smoothing the horizontal-conductance function and the storage-change function during wetting and drying to provide continuous derivatives for the solution by the Newton method, as opposed to a linear approach to their calculation. Details on model development, parameterization and calibration can be found in Carroll et al, 2016a, Carroll et al, 2016b, and Pohll et al, 2018. Methods used to update the model beyond WY 2015 are detailed in this report.

Figure 1 shows the extent of the model domain and the locations of simulated streams and pumping wells, as well as the boundary of the TVS Subbasin.

Historical Model

Boundary Conditions

Recharge and Groundwater Flux to Lake Tahoe

The most recent iteration of the STGM extended through WY 2015 and relied on estimates of monthly recharge rates extracted from the GSFLOW Regional Model (GSFRM). These recharge rates include

inflows to groundwater due to losses from streams. Losses from streams were not explicitly simulated. As part of the original model, a method was developed to estimate annual recharge rates as a function of WY accumulated precipitation at the Hagen Meadows SNOTEL station (Carroll et al, 2016b). For the updated model presented in this report, this method was used to estimate annual recharge rates and spatial distributions for WY 2016-2019. While the model was kept at a monthly temporal discretization, recharge was applied at a constant rate for each WY for the historical model (WY 1983 – 2019). Applied recharge fluxes for WY 1983-2019 are shown in Figure 2.

Groundwater flux to and from Lake Tahoe is a function of lake stage and groundwater elevations within the basin. Lake stage is simulated using MODFLOW's General Head Boundary (GHB), and was updated through WY 2019 using mean monthly recorded stages. The calibrated conductance term applied to the GHB was not changed from the previous model version (Carroll et al, 2016b). Net annual fluxes to Lake Tahoe for WY 1983-2019 are shown in Figure 3.

Groundwater Pumping

Groundwater pumping rates at District, Lukins Brothers Water Company (LBWC) and Tahoe Keys Water Company (TKWC) wells were updated to include reported rates at each well for WY 2016-2019. One public supply well was added to simulate pumpage beginning in WY 1983 at the Lakeside Park Well #3, which is used to supplement surface water supply. Additionally, pumpage was simulated at active domestic well sites identified by the Private Well Owners Survey Phase 1 and Phase 2 (PWOSI and PWOSII) (District, 2021). Rates were estimated based on well owner survey responses, and pumping was assumed to be constant at each private well for the duration of the model. Total simulated pumping rates for all well types for WY 1983-2019 are shown in Figure 4.

Groundwater Discharge to Streams

As mentioned in the recharge section, inflows to groundwater due to losses from streams are incorporated in the recharge term and are not explicitly simulated. However, baseflow in streams is simulated as a discharge of groundwater using MODFLOW's River (RIV) Package. Conductance terms were calibrated in the original version of this model and were not modified during this update to the model. Simulated baseflow for WY 1983-2019 is shown in Figure 5.

Storage

No changes were made to storage parameters simulated in the model. Simulated changes in storage over the model domain for WY 1983-2019 are shown in Figure 6.

Climate Scenario Models

Six models were developed to simulate the potential impact of climate change and estimated future pumping rates. Six climate scenarios for the TVS Basin were previously developed using global climate models (CMIP5) for the 2075-2099 time period and a historically-based drought scenario (Pohll et al, 2018), and were used as the basis of the climate modeling work presented in this report. As there is some disagreement among climate models, these scenarios test the effect of warming temperatures and either more or less precipitation than the historical average. For comparison, a future baseline model was also developed to include estimated future pumping rates, but with no simulated climate change effects. Because predicted climate change effects are based on the 2075-2099 time period, the simulated climate scenarios represent a 'worst case scenario', such that the changes in temperature and precipitation occur immediately beginning in WY 2020, rather than a more gradual change that would

be expected to occur in reality. The climate scenarios tested, along with the corresponding changes in precipitation and temperature, are listed in Table 1.

Boundary Conditions

Recharge

As in the historical model, the previous version of the climate change scenarios used recharge rates extracted from the GSFRM. For each of the climate scenarios, the previous model version used observed historical precipitation rates and temperatures from WY 1983-2015. These precipitation rates and temperatures were then modified according to the changes listed in Table 1, and applied to the GSFRM. The resultant recharge rates were extracted and applied to the TVS model to produce predictive climate modeling results 33 years into the future (Pohll et al, 2018). To extend these rates for the models presented in this report, monthly recharge rates were assessed for each climate scenario as the mean recharge rate for that month over the previously simulated 33-year time period. These mean rates were then repeated for each simulated year from WY 2020-WY 2099. Recharge rates for climate scenarios used in Pohll et al, 2018 are reported in Table 1, and the resultant monthly means used in the model version presented here are shown in Figure 7 for Q1-Q5, and Figure 8 for the Q6 composite drought scenario. While total recharge rates vary for each climate scenario, all show a shift in timing relative to the baseline scenario, such that the majority of recharge occurs earlier in the year than is currently observed, due to the increase in temperatures resulting in an earlier shift from snow to rain and earlier melting of snowpack. The spatial distribution of recharge also varies with time, and is shown in Figure 9 for October and May for the Baseline scenario.

Groundwater Flux to Lake Tahoe

The stage of Lake Tahoe is sensitive to changes in precipitation and will decline during periods of drought or increase during big water years, though the upper bound on the stage of the lake is set by law. Because the stage of the lake partially controls both the flux of groundwater to and from the basin and groundwater elevations near the lake, it is important to simulate the stage as accurately as possible to assess the potential effects of climate change.

While it is not known with certainty what effect each of the six climate scenarios might have on lake stage, a method was developed to estimate the final equilibrium stage and rate of decline or increase for each climate scenario. Ancient tree stumps, now submerged, serve as an indication that the stage of the lake was previously substantially lower than has been observed during the period of historical record. Other authors have documented the elevations and estimated ages of these stumps, derived from carbon-dating. Of these, the stump with the lowest elevation was dated to 6,300 years BP (Lindstrom, 1990), corresponding to the middle Holocene. Benson et al (2002) has estimated temperatures during this time period to be 3-5°C (5.4-9°F) higher than present, and runoff to Lake Tahoe during that period approximately 70% of present. These conditions are like those being simulated in the Q2 (hot and dry) climate scenario, which assumes a reduction of precipitation of 17% and a temperature increase of 9.3°F.

The elevation of the stump aged at 6,300 years BP (6,214.9 ft; 1894.3 m) was assigned as the equilibrium stage for the Q2 (hot and dry) scenario. Then, using the mean observed lake stage from WY 1983-2015 (6,228.2 ft; 1898.4 m) and the annual recharge rate for the baseline scenario, a simple two-point regression was developed relating lake stage to recharge over the TVS Basin. This regression, shown in Figure 10, was then used to estimate an equilibrium lake stage for climate scenarios Q1, Q3, Q4, and Q5,

based on their assigned recharge rates. For the Q3 and Q4 scenarios, the lake stage estimated using this method exceeded the maximum allowable stage at the Lake Tahoe Dam, and these scenarios were therefore simulated with the lake stage at the legal limit of 6,232.0 ft; 1899.5 m.

The rate of decline or increase in lake stage from the observed stage at the end of WY 2019 to the final equilibrium stage for each of the climate scenarios was based on the rate of change observed stages used for the Q6 (composite drought) scenario. For this scenario, observed lake stage declines were applied to the model for the historical drought periods of WY 2012-2014 and WY 1987-1994, given the initial condition observed at the end of WY 2019. A linear regression generated from this composite rate of decline was used as the rate of decline or increase for each of the remaining climate scenarios (± 1.02 ft/yr) (Figure 11), until the equilibrium stage for that scenario was reached.

Groundwater Pumping

For all climate scenarios, total pumpage at public supply wells was increased at an annual rate of 0.37%, using the 50-year population growth rate projected for El Dorado County (California Dept of Finance, 2020). This increase was assessed using initial total pumping rates for each water provider from WY 2007, as this was the year with the greatest pumping volume in historical record and allowed for the most conservative estimate of future pumpage. LBWC, TKWC, and Lakeside Park water systems each serve smaller areas with fewer connections and limited potential for growth. Total well pumpage from each of these systems was limited to a maximum rate, determined by a recent water demand assessment using parcel-based average water use constants and the total number of parcels developed at full build-out (KJ, 2019). After these providers reached their maximum pumping rate, excess pumpage that would otherwise have been assigned to their respective water systems according to the 0.37% population growth rate was instead added to pumpage at District wells. Total pumpage for each provider was distributed among that provider's wells according to the WY 2019 distribution and was temporally distributed according to historical seasonal pumping rates. Projected pumpage for WY 2020-2099 for each water provider is plotted in Figure 12.

Private wells simulated in the historical model were assumed to continue pumping at the same rates and locations for the duration of the climate scenario models.

Results

Flow Budgets

Cumulative Storage Change

The cumulative change in storage for the model domain relative to WY 2019 for the Baseline and Q1-Q5 climate scenarios is shown in Figure 13. Note that WY 2019 was an above normal precipitation year, and a negative change in storage would be expected when simulating the average conditions of the Baseline scenario even if pumping rates were not increasing. The Baseline scenario shows a cumulative decline in storage of approximately -82,000 acre-feet at the end of WY 2070. The Q3 and Q4 scenarios (hot/wet and warm/wet, respectively) both show a cumulative increase in storage given the simulated increase in precipitation. The greatest increase in storage is seen in the Q4 (warm/wet) scenario, with an increase of approximately 52,000 acre-feet at the end of WY 2070. Significant cumulative declines in storage are seen in the Q1 (warm/dry) and Q2 (hot/dry) scenarios. The greatest decline in storage is seen in the Q2 (hot/dry) scenario, with a cumulative decline of approximately -272,000 acre-feet at the end of WY 2070.

A comparison of cumulative storage change in the Baseline and Q6 (composite drought) scenario is shown in Figure 14. The Q6 scenario reaches a maximum cumulative decline in storage of approximately -177,000 acre-feet at the beginning of WY 2029 but recovers to a cumulative decline of approximately -132,000 acre-feet by the end of WY 2031. Unlike the Baseline and Q1-Q5 scenarios, the Q6 scenario represents a composite drought scenario, based on observed historical changes in precipitation and lake stage. Therefore, variability in flow budget components over time is expected.

Baseflow

Simulated baseflow for the model domain for the Baseline and Q1-Q5 climate scenarios is shown in Figure 15. Baseflow is plotted at a monthly discretization to show seasonal variability. As in the cumulative storage plots, the Q3 and Q4 (hot/wet and warm/wet) scenarios show an increase in baseflow relative to the Baseline Scenario, while the Q1 and Q2 (warm/dry and hot/dry) scenarios show a decrease in baseflow, with maximum decrease seen in the Q2 (hot/dry) scenario. While baseflow rates decline in the warmer and drier scenarios, no scenario shows a cessation of baseflow for the simulated time period.

A comparison of simulated baseflow in the Baseline and Q6 (composite drought) scenarios is shown in Figure 16. Q6 scenario baseflows reach minimum at the beginning of WY 2030 and are approximately 70% of those seen in the Baseline scenario in the same year, but recover in WY 2031 to approximately 77% of those seen in the Baseline scenario. Q6 baseflow rates can be seen to reach their maximum earlier in the year than in the Baseline scenario, reflecting the shift in timing of groundwater recharge.

Discharge to Lake Tahoe

Simulated net flow to Lake Tahoe (outflow minus inflow) for the Baseline and Q1-Q5 climate scenarios is shown in Figure 17. The Baseline, Q1 (warm and dry), Q2 (hot and dry), and Q5 (warm) scenarios all show a pattern of an initial increase in net flow to the lake, followed by a decline. The increase in net flow occurs as the simulated lake level declines more rapidly than groundwater elevations within the model domain, thereby increasing the gradient and resulting in greater outflow until lake levels equilibrate. The Q3 and Q4 (hot/wet and warm/wet) scenarios show the opposite trend, with an initial decrease in net flow to Lake Tahoe, which occurs as simulated lake level increase to the level of the dam. By WY 2070, the Q3 (hot and wet) and Baseline scenarios show a near net-zero outflow to the lake, while the Q1, Q2, and Q5 (warm/dry, hot/dry, and warm, respectively) scenarios all show a net inflow (shown as negative outflow). Only the Q4 (warm/wet) scenario continues to show a net outflow to the lake by WY 2070.

A comparison of simulated net flow to Lake Tahoe in the Baseline and Q6 (composite drought) scenario is shown in Figure 18. The variability in outflows due to the simulated lake level fluctuations in the composite drought scenario is apparent, and net flows to the lake are greater than in the Baseline scenario for most of the simulated time period, as is seen in the early time periods of the Q1, Q2, and Q5 scenarios in Figure 17.

Depletion Analysis

Depletion analyses were performed on the Baseline and Q1-Q5 climate scenarios at an annual resolution for the entire simulated time period, and at a monthly resolution for WY 2070 to show seasonal variability in depletions. To calculate depletion, a version of the Baseline scenario model was run with no simulated pumping. Depletion of each flow budget component for each scenario was then

calculated as the difference between the flow budget component for that scenario and the no-pumping Baseline model. For the Baseline model, total system depletion is therefore equal to the simulated pumping rate for each year. For the Q1-Q5 climate scenarios, total system depletion represents the simulated pumping rate in addition to changes in the flow budget resulting from changes in recharge and lake stage relative to the Baseline scenario.

Depletion analysis results for the Baseline and Q1-Q5 climate scenarios are shown at an annual resolution in Figure 19 and Figure 20. The Q3 (hot and wet) and Q4 (warm and wet) scenarios (plots D and E in Figure 18) each show negative baseflow and storage depletions, indicating an increase in flows to those components relative to the no-pumping simulation. While the magnitudes of depletions differ, the overall trends of depletions show a similar pattern between these two scenarios. Likewise, the Baseline, Q1, Q2, and Q5 (unchanged, warm/dry, hot/dry, and warm, respectively) scenarios show a similar pattern in the distribution of depletions between storage, baseflow, and the lake, while the magnitudes of depletions vary, with the maximum total system depletions occurring in the Q2 (hot and dry) scenario.

Depletion analysis results for the Baseline and Q1-Q5 climate scenarios are shown at a monthly resolution for WY 2070 in Figure 21 and Figure 22. As in the annual depletion plots, negative depletions are representative of increases in flows to those components relative to the no-pumping Baseline scenario. By definition, depletion for each month in the Baseline scenario (Figure 21A) is equal to the simulated pumping for that month and reflects seasonal variability in pumping rates.

Monthly depletions for the Q1-Q5 climate scenarios all show a similar pattern, with negative depletions (increase in flows relative to the no-pumping Baseline scenario) at the beginning of the water year and switching to positive depletions (reduction in flows relative to the no-pumping Baseline scenario) beginning around April. This trend occurs as all climate scenarios represent some amount of warming, thereby shifting the timing of recharge earlier in the year relative to the Baseline scenario. The magnitudes of these positive and negative depletions vary by scenario, with the Q1, Q2, and Q5 (warm/dry, hot/dry, and warm, respectively) scenarios showing greater positive depletions than negative, while the Q3 and Q4 (hot/wet and warm/wet) show greater negative depletions than positive, totaling the net annual depletions seen in Figure 17 and Figure 18. Importantly, baseflow depletions are relatively constant throughout the year for each climate scenario, meaning that while baseflow may be reduced relative to present rates, streams fed by baseflow are not expected to intermittently dry due to a seasonal loss in baseflow.

Capture Analysis

To define areas where additional pumping might result in depletions in baseflow, capture maps were generated using two versions of the updated STGM, representing Baseline and Q2 (hot and dry) climate conditions. Groundwater capture is defined as the change in inflow or outflow from a groundwater system caused by groundwater pumping (Barlow and Leake, 2012). Capture maps are generated by running a model with a hypothetical pumping well in one model grid cell and comparing the resultant flow budget to a model that did not simulate the hypothetical pumping well. This is done iteratively for every grid cell in the model. The difference in flow budgets are equivalent to the pumping rate at the hypothetical well, and the capture fraction at each grid cell can then be defined as the fraction of that pumping rate removed from each flow budget component. For the steady-state model, pumping at a well results in a reduction of outflow to Lake Tahoe and local streams. Areas where the capture fraction

for streams exceeds 0.5 indicates that more than half of pumped water was captured from streams rather than from Lake Tahoe. Because substantial pumping is unlikely to occur outside of the TVS Subbasin, and because capture analyses are computationally intensive, the capture analysis was limited to the area of the TVS Subbasin (Figure 1). Capture fractions for streams for the Baseline and Q2 (hot and dry) scenarios for model layer 1 are shown in Figure 23. Interestingly, results from the Baseline model indicated a slightly larger and more conservative area than the Q2 (hot and dry) model, as streamflow in the Q2 model had already been reduced due to the simulated effects of climate change – thus, less streamflow was available to be captured.

One limitation to this method is that steady-state models do not simulate changes in storage, and therefore a simulated pumping well cannot capture from storage. Instead, results show a long-term equilibrium condition, showing capture fractions that would occur after a new static head field was reached because of the pumping well. It could take many years for this condition to occur, especially for a well situated far from a stream. Therefore, the timing of streamflow depletions for a hypothetical well in each grid cell cannot be determined by this method – only that it is likely they will eventually occur if new wells are placed in this area.

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Table 1. Summary of simulated climate scenarios.

Climate Scenario	Recharge (AFA)	Precipitation (in)	Temperature Increase (°F)	Equilibrium Lake Stage (ft)
Baseline	38,790	30.19	0	6,228.2
Q1 (warm/dry)	29,206	25.06	5.3	6,218.2
Q2 (hot/dry)	26,026	25.06	9.3	6,214.9
Q3 (hot/wet)	48,254	38.65	9.3	6,232.0
Q4 (warm/wet)	52,303	38.65	5.3	6,232.0
Q5 (warm)	36,564	30.19	7.3	6,225.9
Q6 (drought)	Variable; mean 25,906	n/a	5.0	n/a

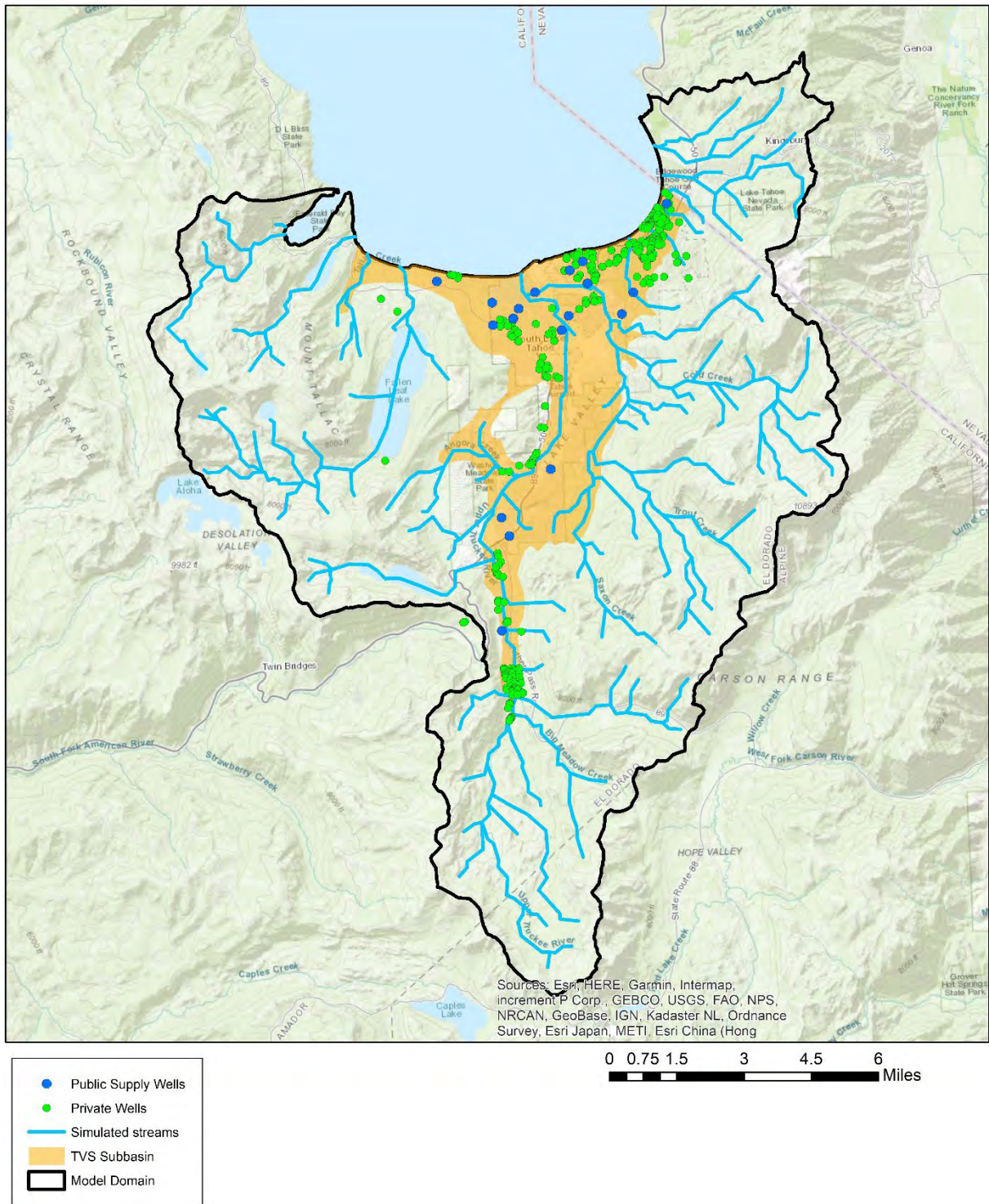


Figure 1. Model domain, showing TVS subbasin and locations of simulated streams and pumping wells.

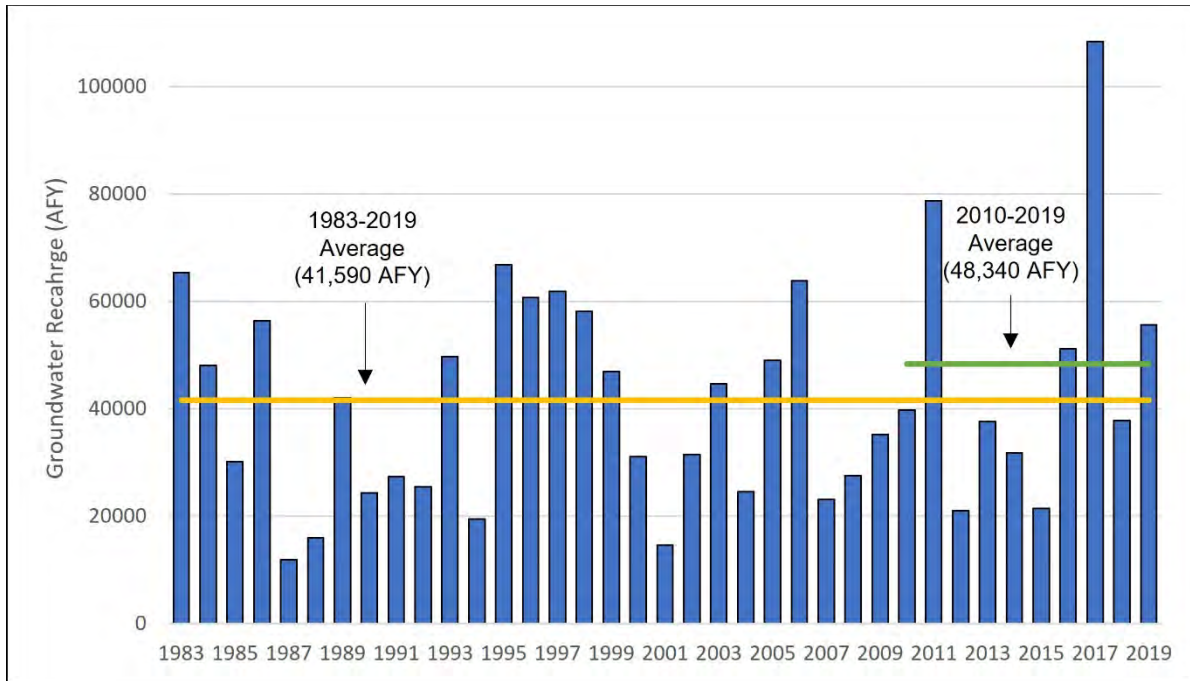


Figure 2. Simulated annual recharge over the model domain for WY 1983-2019.

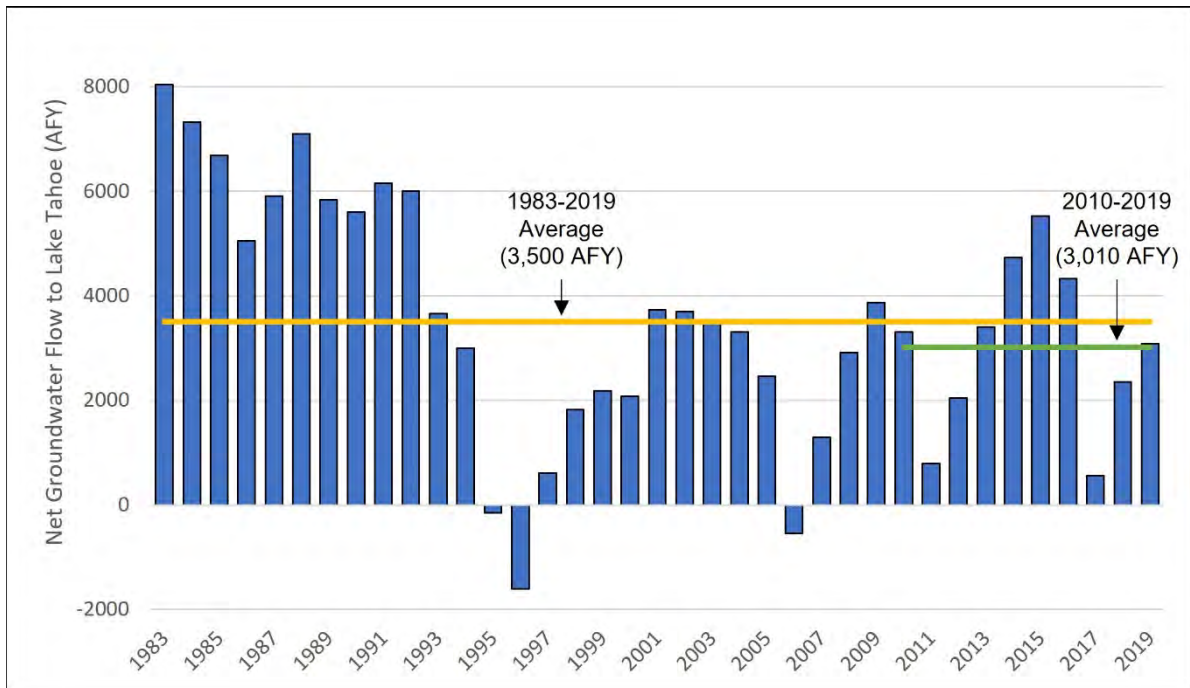


Figure 3. Simulated net groundwater outflow to Lake Tahoe (outflow minus inflow) for the model domain for WY 1983-2019. Negative values indicate net inflow.

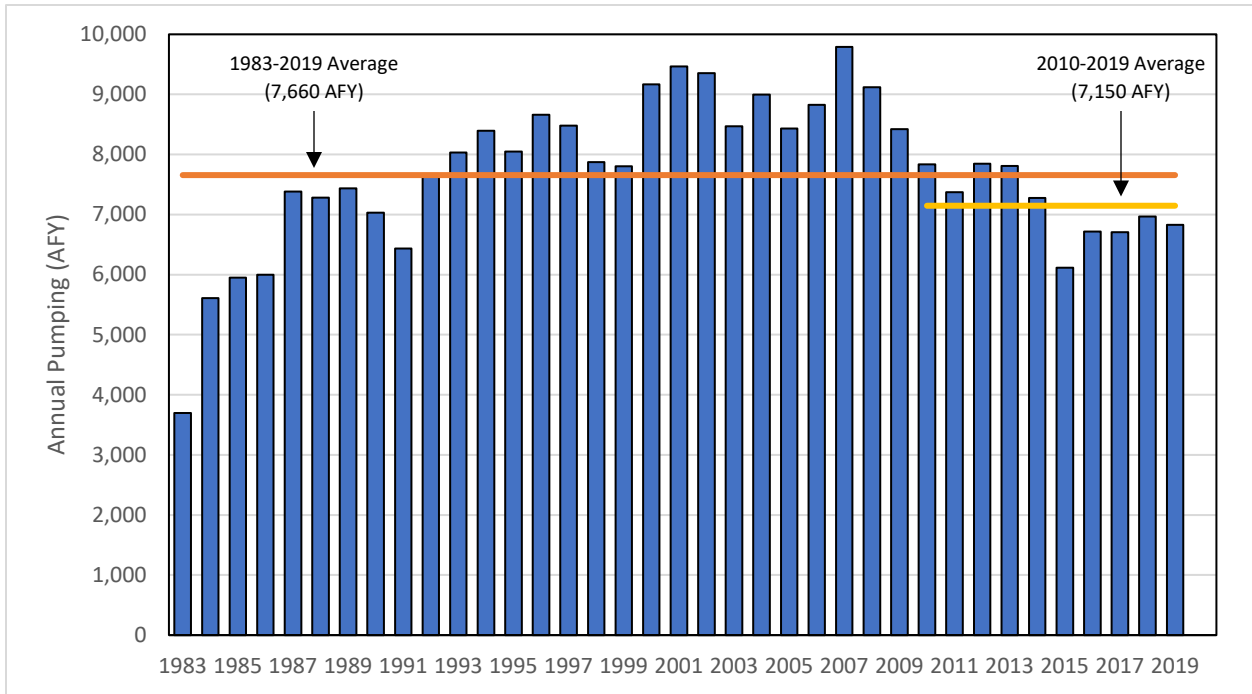


Figure 4. Annual historical pumping for all well types for WY 1983-2019.

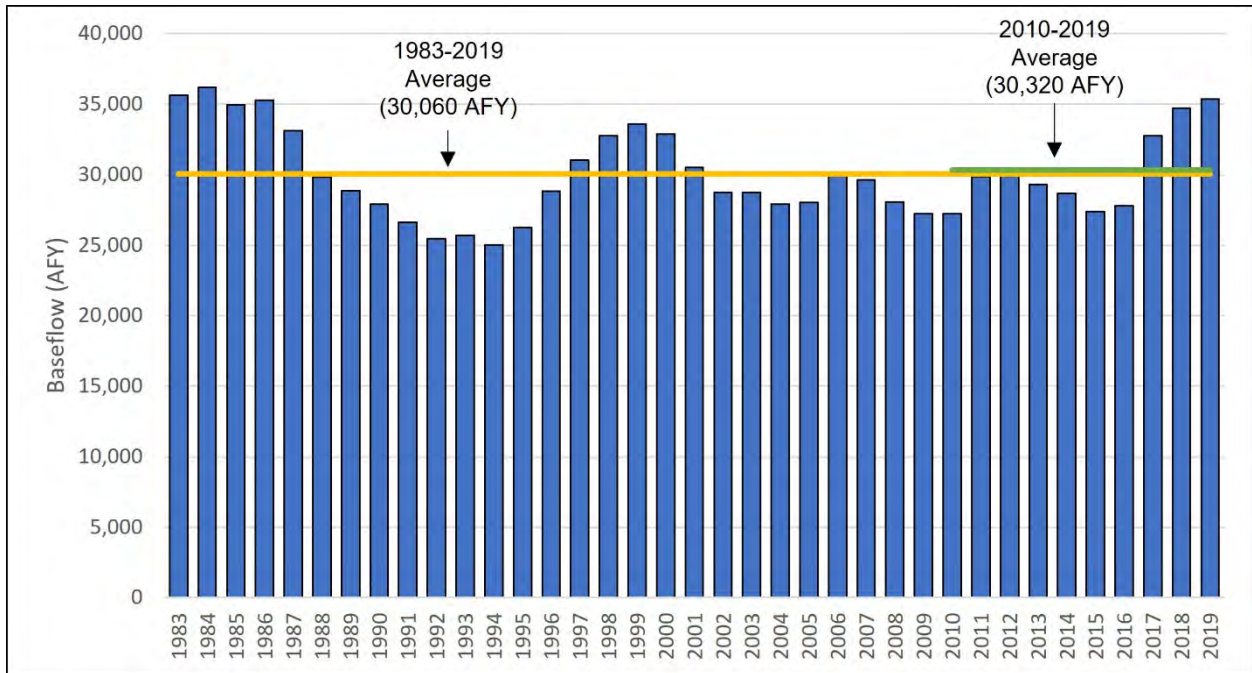


Figure 5. Simulated baseflow within the model domain for WY 1983-2019.

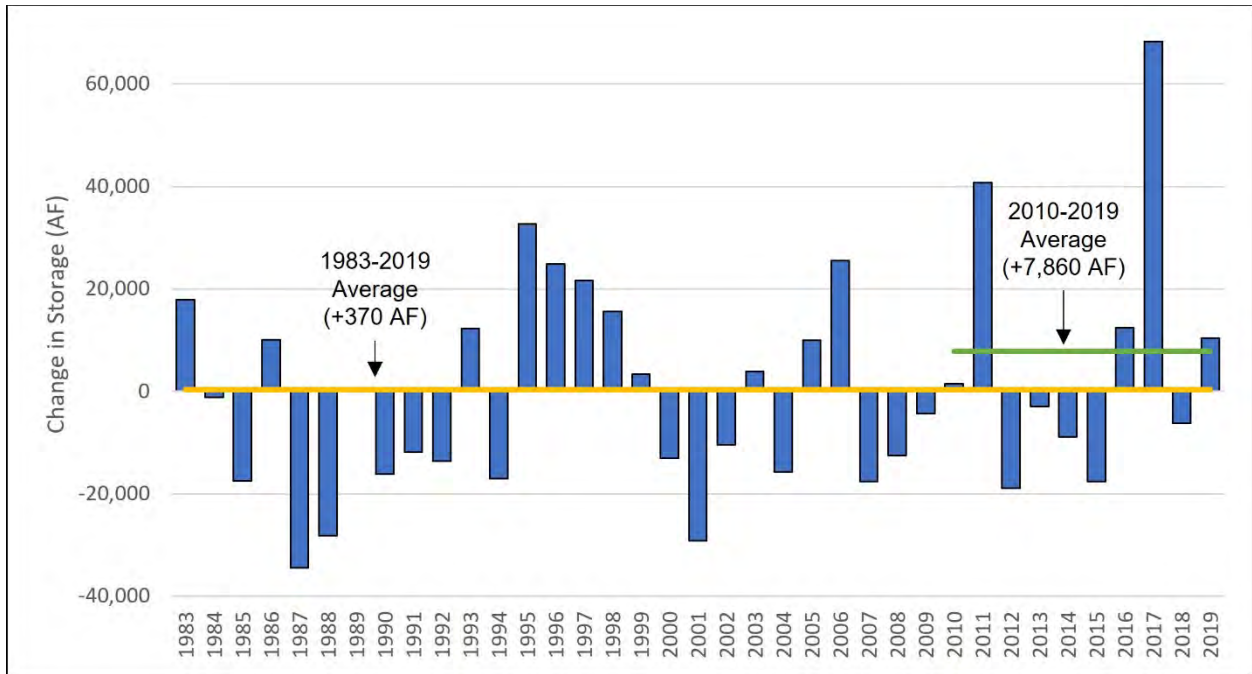


Figure 6. Annual change in storage over the model domain, for WY 1983-2019.

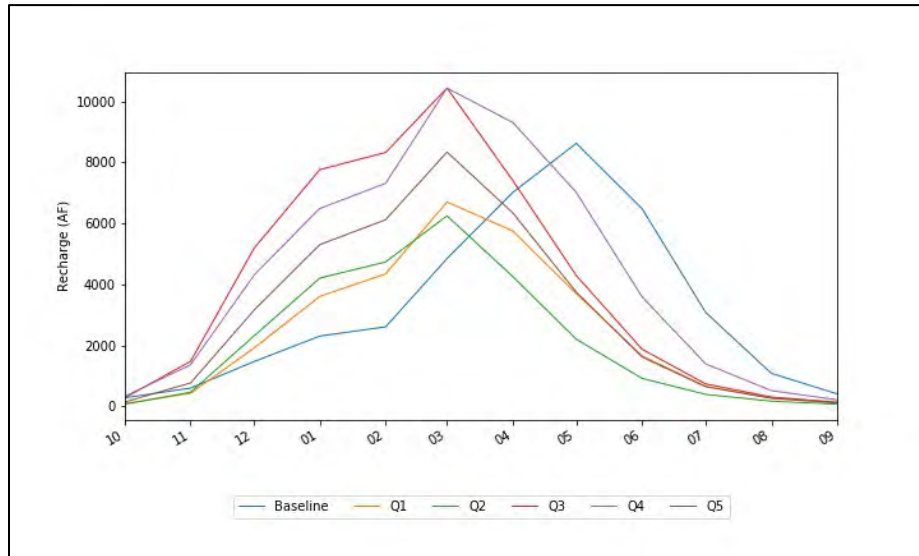


Figure 7. Monthly recharge rates for the model domain repeated for each year of the predictive climate scenarios for Q1-Q5, compared to the Baseline (current average) scenario.

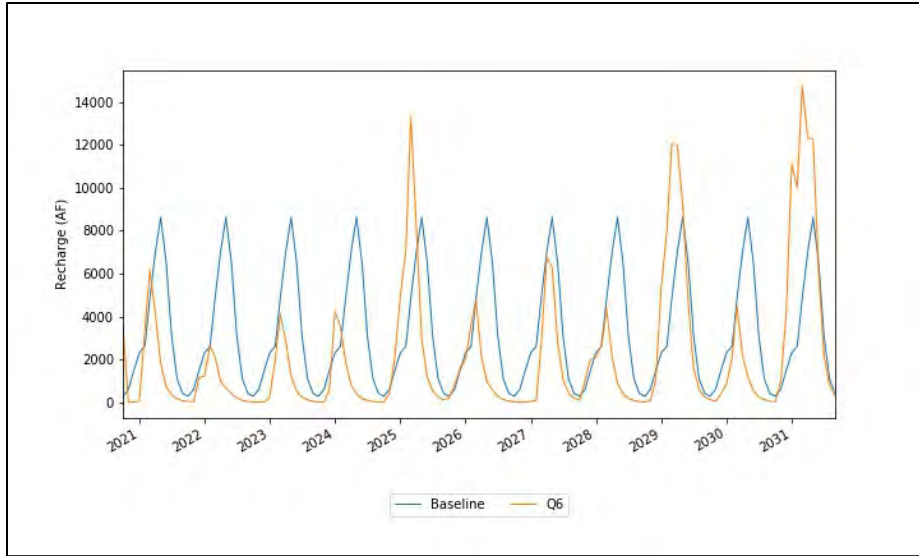


Figure 8. Variable monthly recharge rates for the model domain used for the Q6 composite drought scenario, compared to the baseline (current average) scenario.

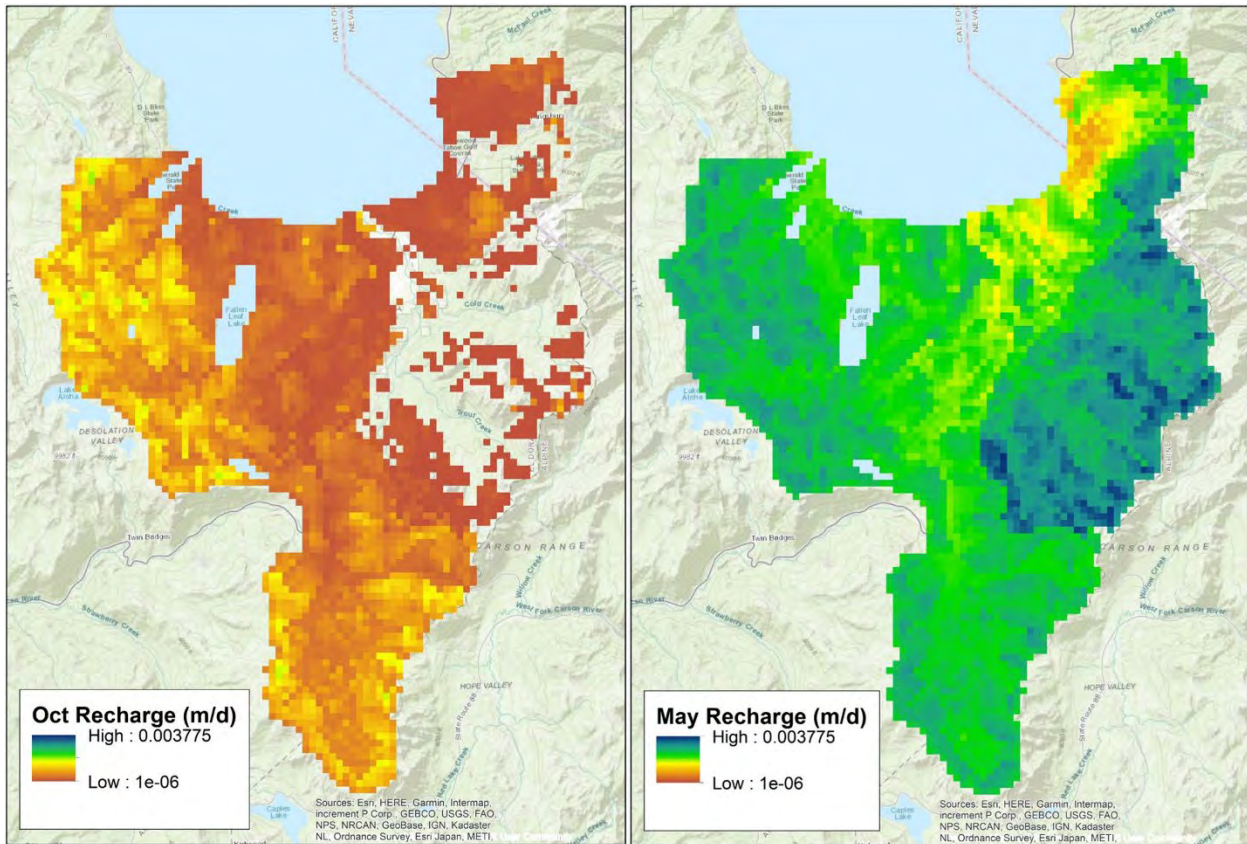


Figure 9. Spatial distribution of recharge for the Baseline scenario in October (left) and May (right).

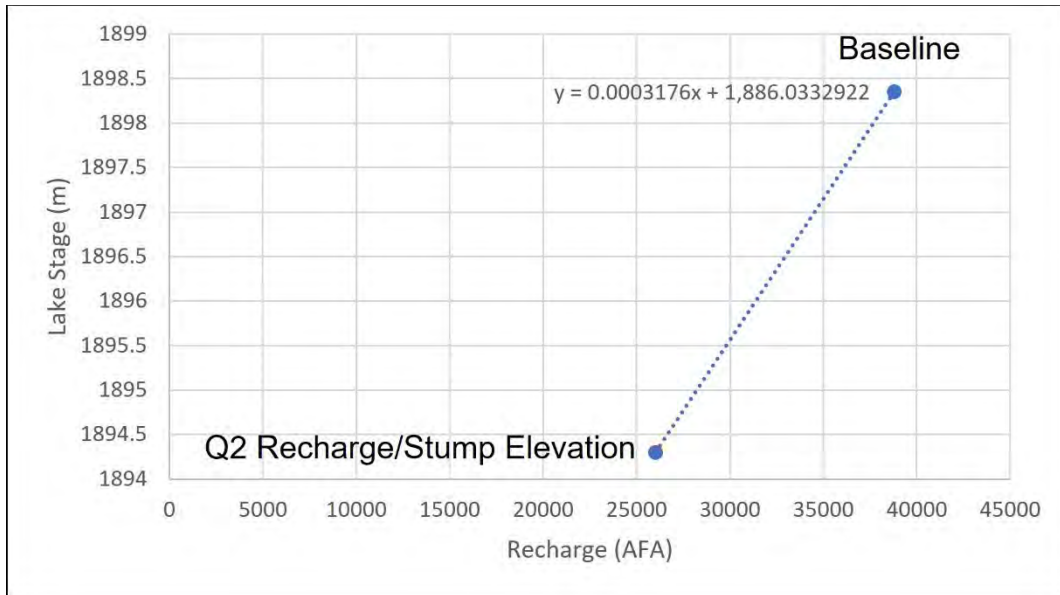


Figure 10. Two-point regression relating recharge to Lake Tahoe stage, based on average present-day stage and estimated Q2 climate scenario stage.

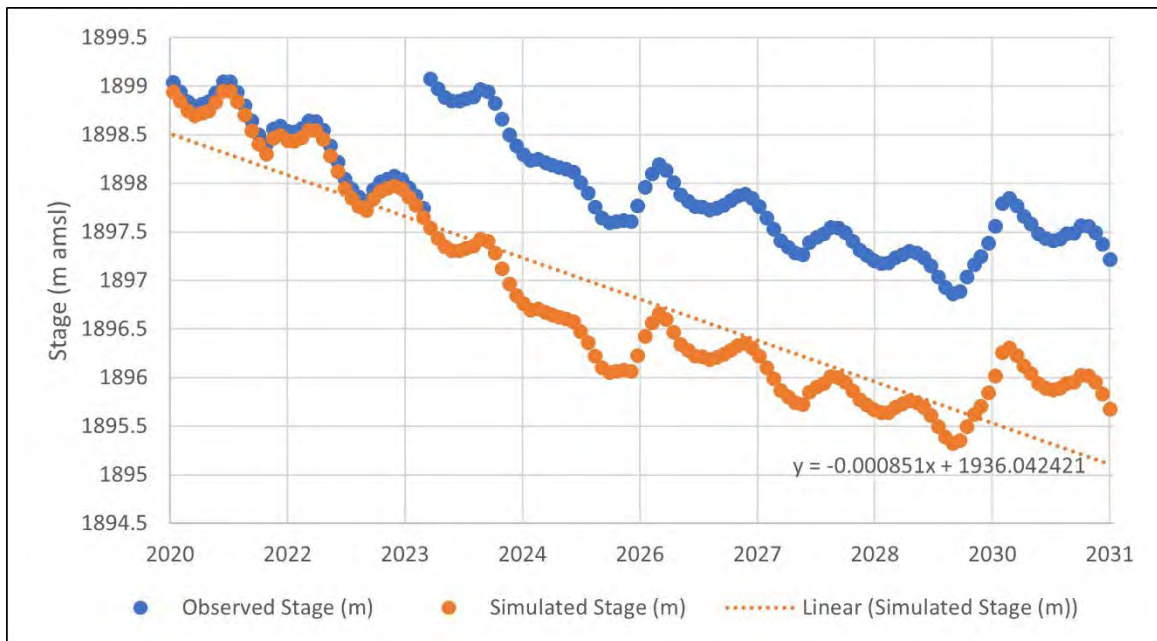


Figure 11. Composite simulated stage used for Q6 climate scenario, and linear regression used to estimate rate of change in stage for all other climate scenarios.

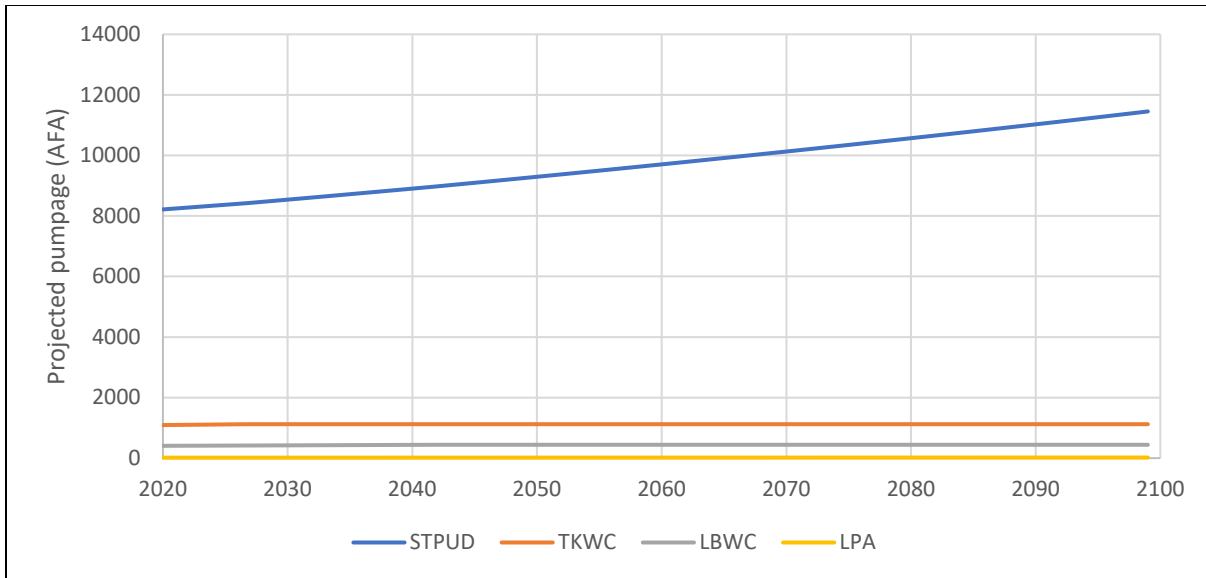


Figure 12. Projected pumpage for public supply wells, by system.

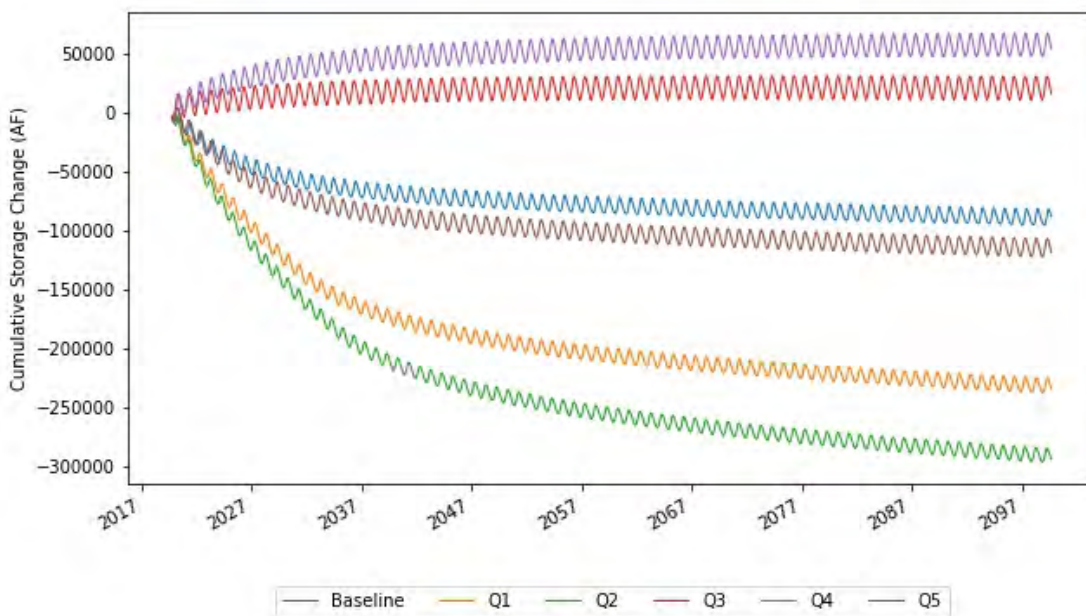


Figure 13. Cumulative change in storage for Baseline and Q1-Q5 climate scenarios for WY 2020-2099, for the model domain.

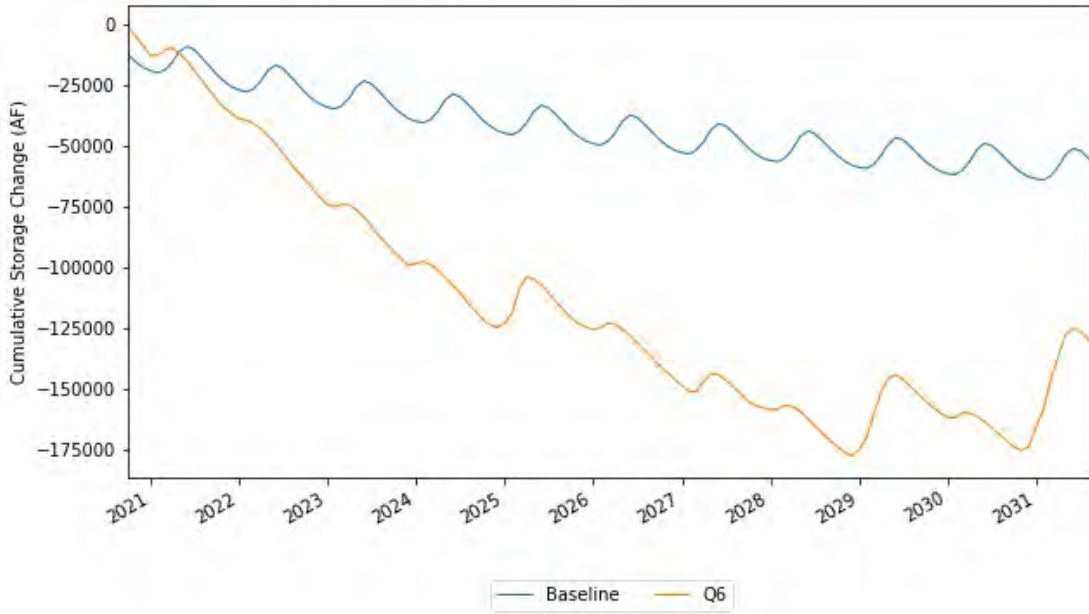


Figure 14. Cumulative change in storage for the Baseline and Q6 climate scenarios, for WY 2021-2031.

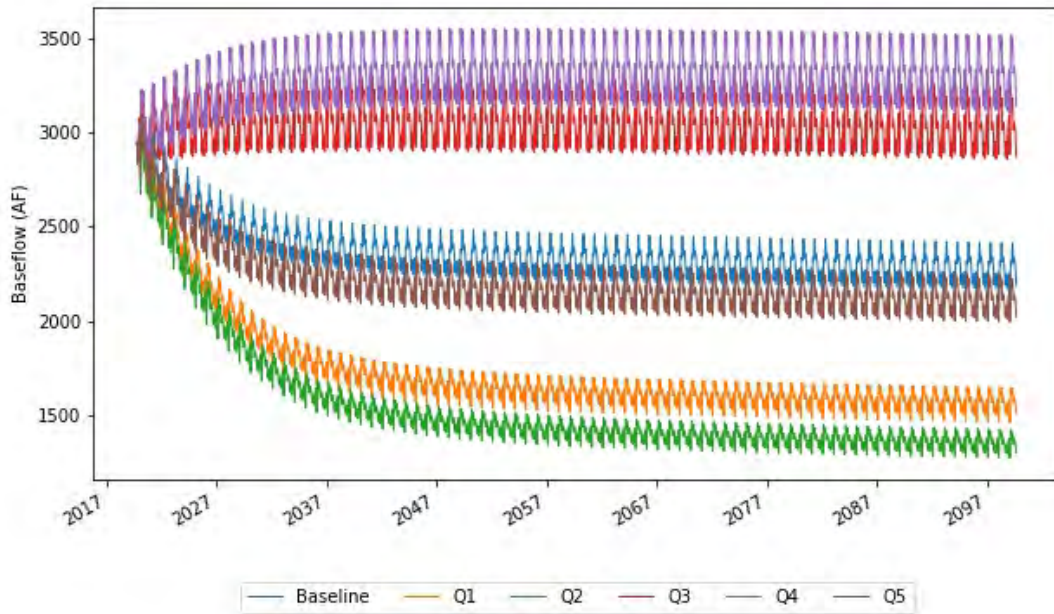


Figure 15. Simulated baseflow for baseline and Q1-Q5 climate scenarios for WY 2020-2099, for the model domain. Note that rates are representative of the simulated monthly stress periods to show seasonal variability in baseflow.

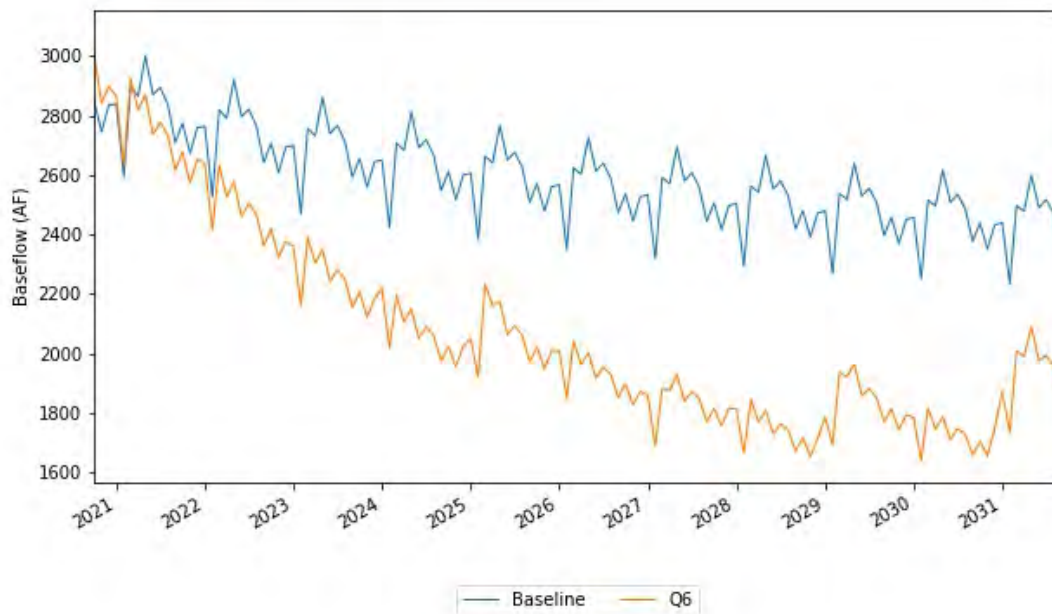


Figure 16. Simulated baseflow for Baseline and Q6 climate scenarios, for WY 2021-2031, for the model domain. Note that rates are representative of the simulated monthly stress periods to show seasonal variability in baseflow.

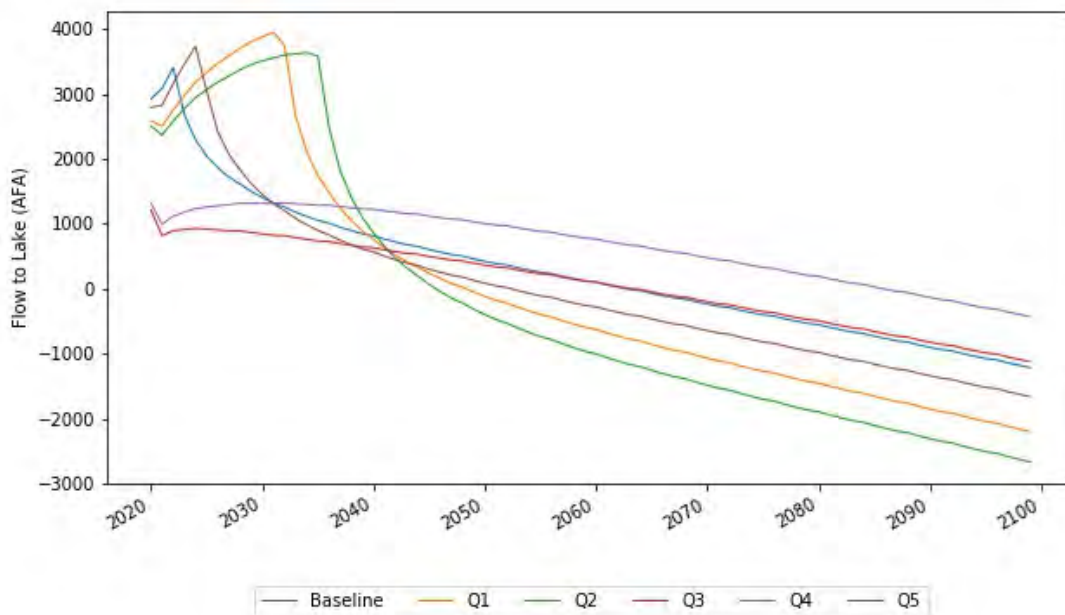


Figure 17. Simulated net flow to Lake Tahoe (outflow minus inflow) for baseline and Q1-Q5 climate scenarios for WY 2020-2099, for the model domain.

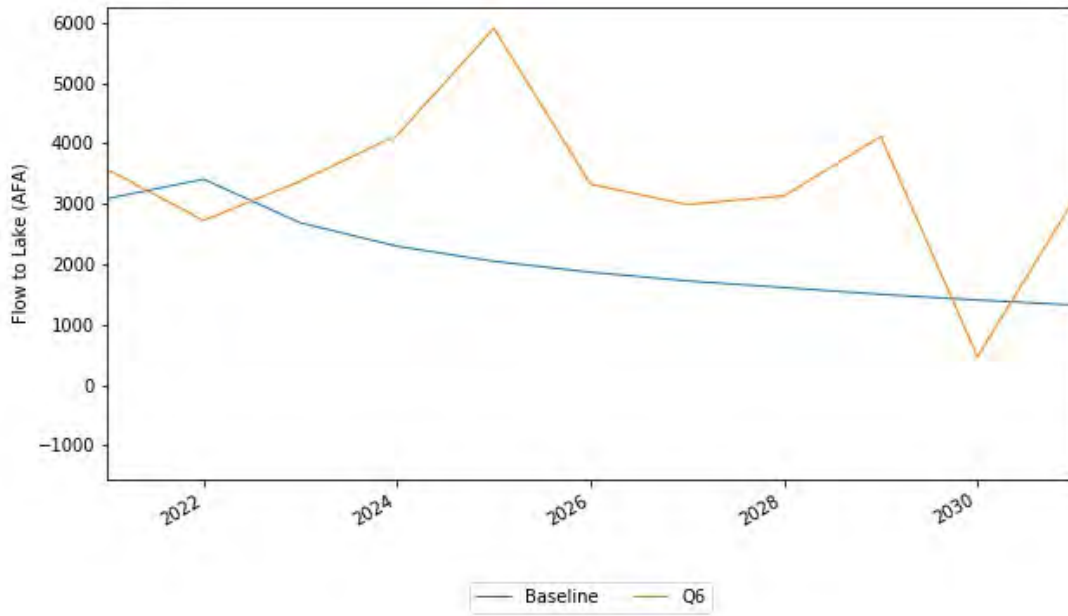
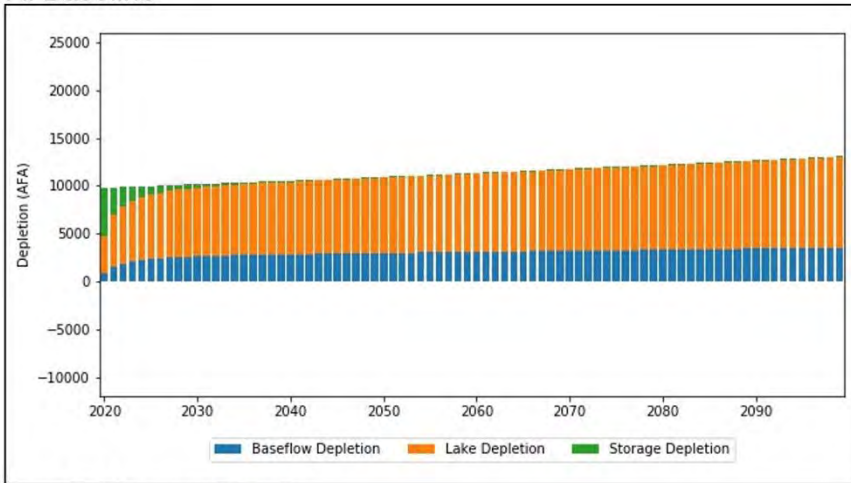
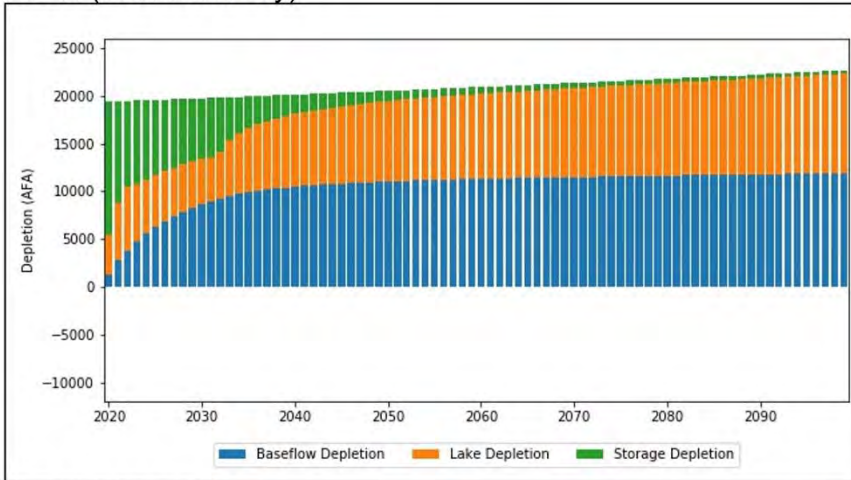


Figure 18. Simulated net flow to Lake Tahoe (outflow minus inflow), for Baseline and Q6 climate scenarios for WY 2021-2031, for the model domain.

A. Baseline



B. Q1 (Warm and Dry)



C. Q2 (Hot and Dry)

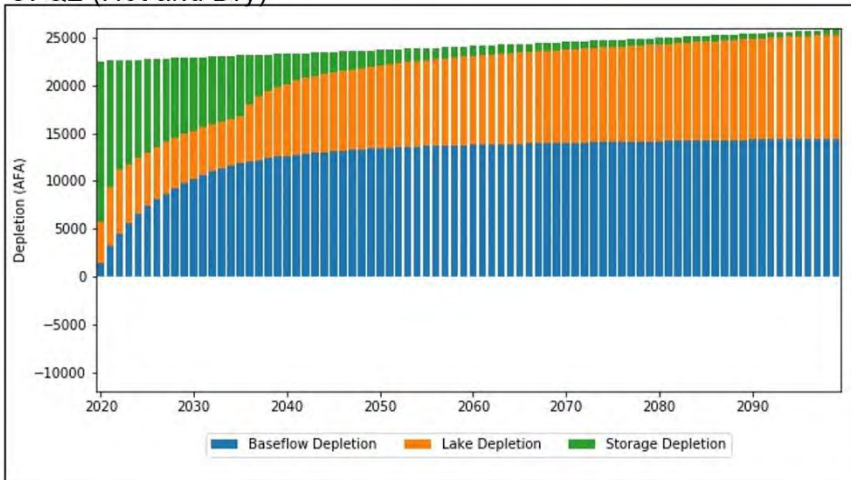
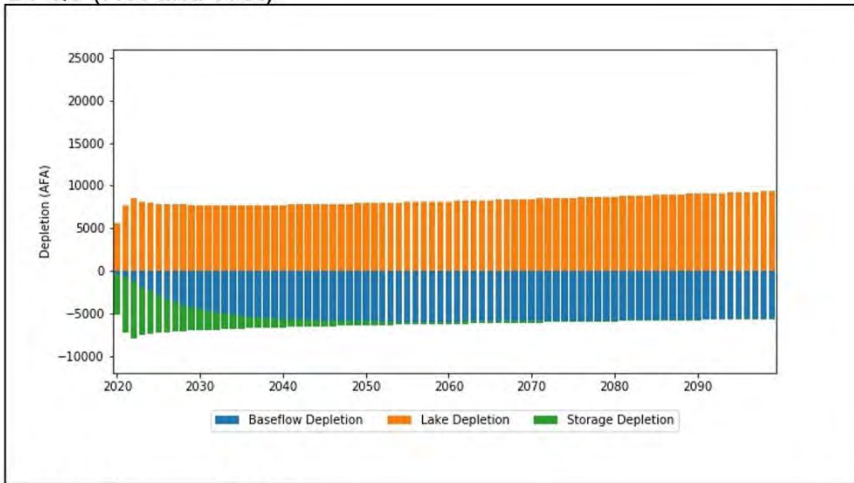
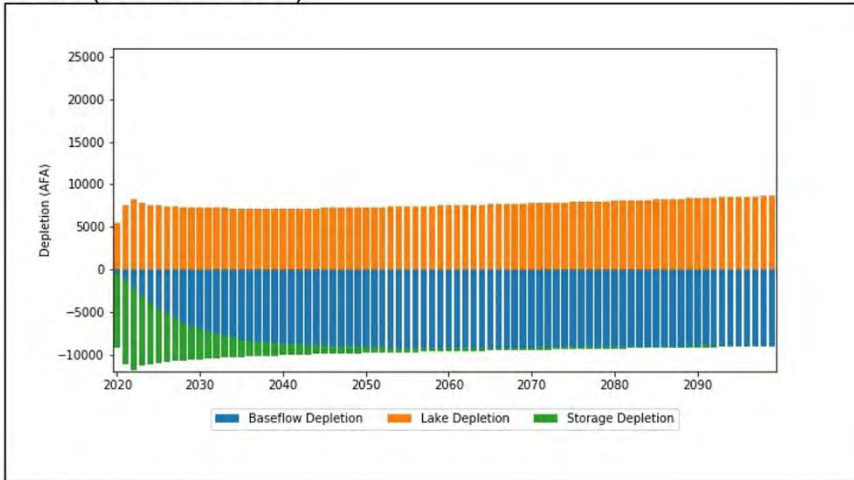


Figure 19. Depletion plots for A. Baseline, B. Q1 (Warm and Dry), and C. Q2 (Hot and Dry) climate scenarios for the model domain. Depletion is calculated relative to the Baseline model with no pumping.

D. Q3 (Hot and Wet)



E. Q4 (Warm and Wet)



F. Q5 (Warm)

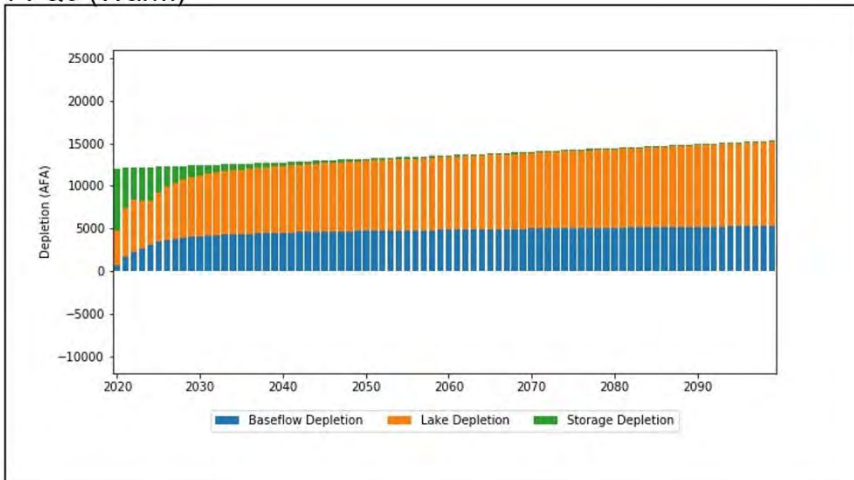
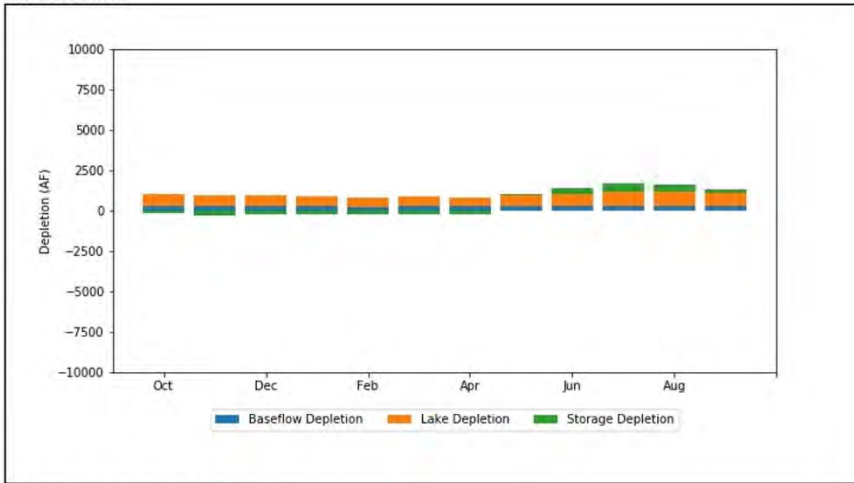
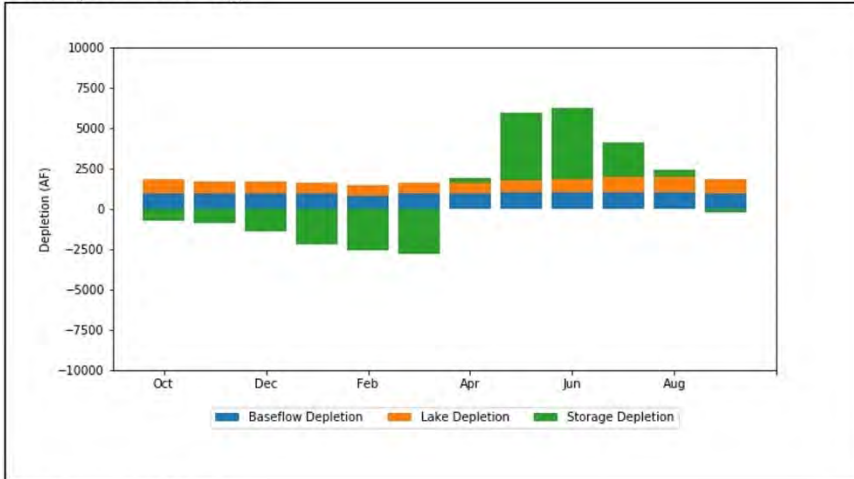


Figure 20. Depletion plots for D. Q3 (Hot and Wet), E. Q4 (Warm and Wet), and F. Q5 (Warm) climate scenarios for the model domain. Depletion is calculated relative to the Baseline model with no pumping. Negative depletion indicates an increase in flows relative to the Baseline scenario with no pumping.

A. Baseline



B. Q1 (Warm and Dry)



C. Q2 (Hot and Dry)

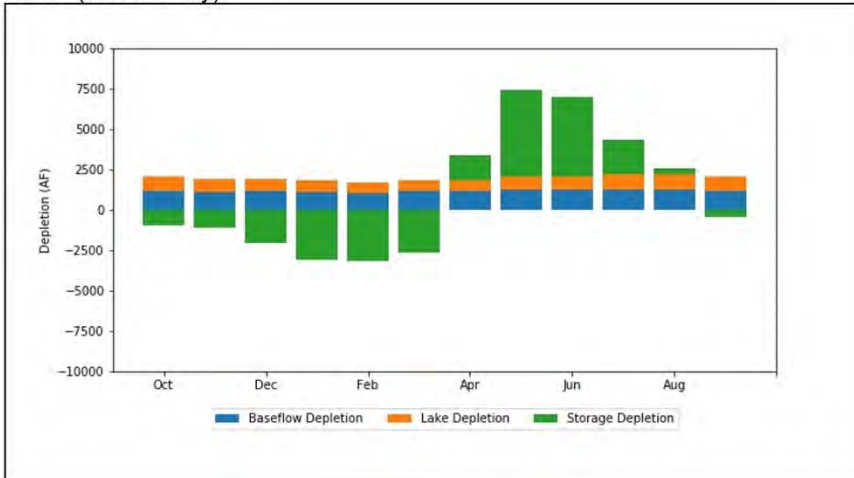
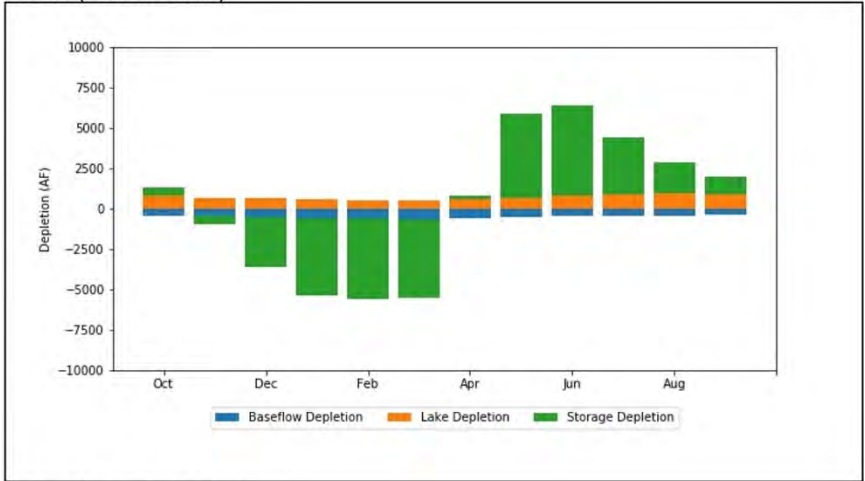
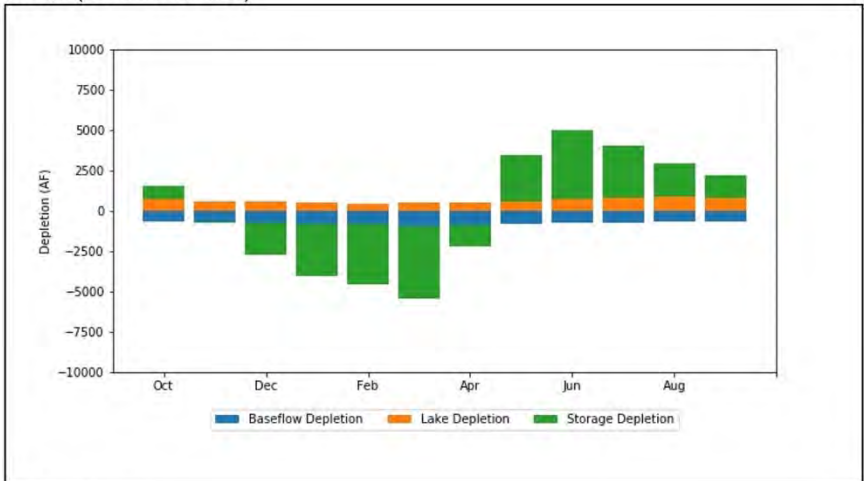


Figure 21. Monthly depletion plots for WY 2070 for A. Baseline, B. Q1 (Warm and Dry), and C. Q2 (Hot and Dry) climate scenarios for the model domain. Depletion is calculated relative to the Baseline scenario with no pumping. Negative depletion indicates an increase in flows relative to the Baseline scenario with no pumping.

D. Q3 (Hot and Wet)



E. Q4 (Warm and Wet)



F. Q5 (Warm)

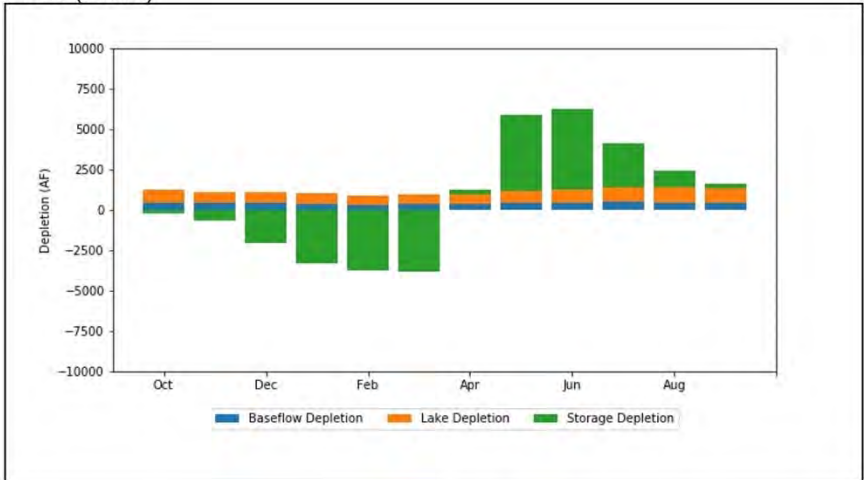


Figure 22. Monthly depletion plots for WY 2070 for D. Q3 (Hot and Wet), E. Q4 (Warm and Wet), and F. Q5 (Warm) climate scenarios for the model domain. Depletion is calculated relative to the Baseline scenario with no pumping. Negative depletion indicates an increase in flows relative to the Baseline scenario with no pumping.

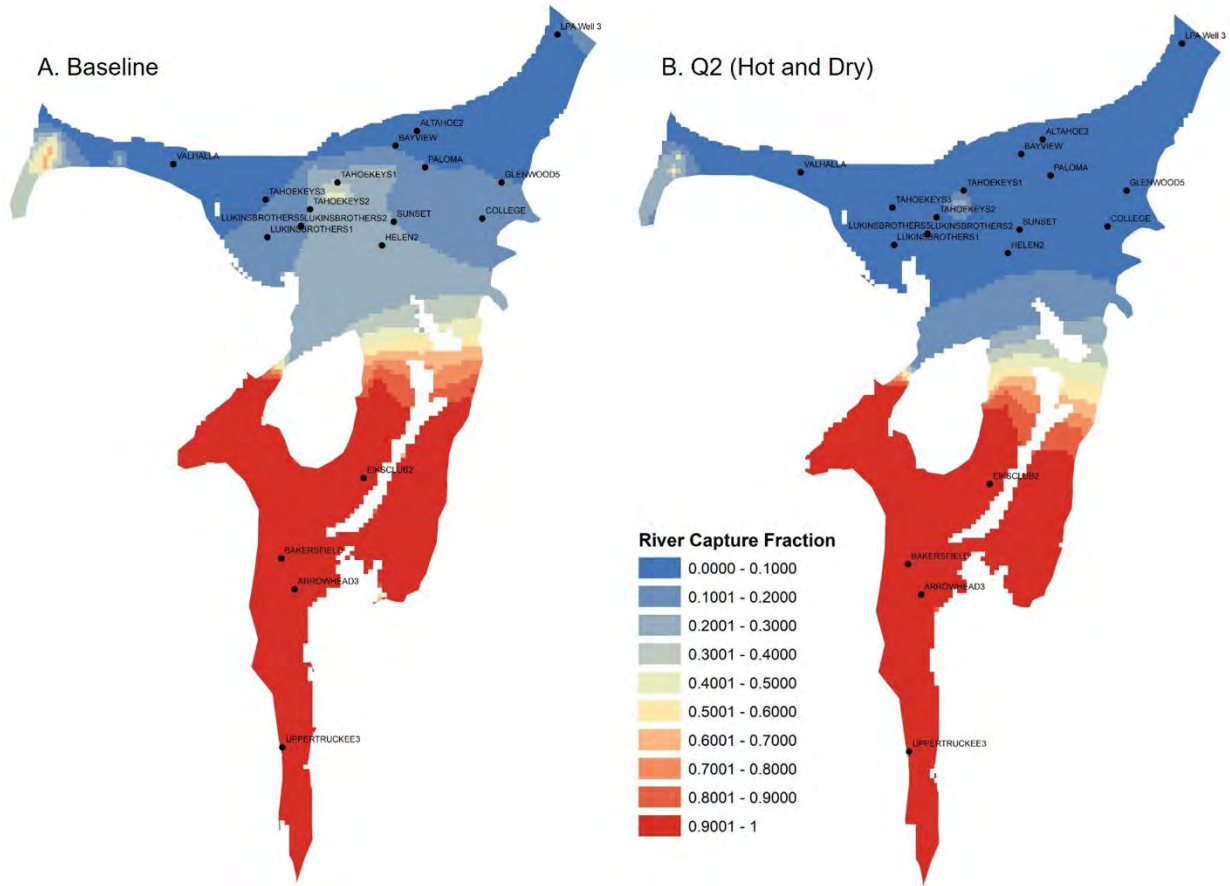


Figure 23. Stream capture fractions from the steady-state version of the A. Baseline and B. Q2 (hot and dry) climate scenarios.

APPENDIX J

TVS Subbasin Water Budget Tables

Table 1. Historical flow budget for the TVS subbasin, including an inflow term from the surrounding mountain block.

Water Year	Inflows (AF)				Outflows (AF)			
	Inflow from MB	Recharge	Lake Tahoe	Storage	Pumping	Baseflow	Lake Tahoe	Storage
1983	17,100	8,900	100	2,100	3,700	16,300	5,900	2,200
1984	17,700	6,200	200	3,700	5,600	16,400	5,200	700
1985	17,500	3,500	300	5,200	6,000	15,700	4,600	300
1986	17,400	7,500	700	1,600	6,000	15,700	3,700	1,900
1987	17,100	800	500	7,600	7,400	14,600	3,900	100
1988	16,400	1,400	200	6,900	7,300	12,800	4,600	300
1989	16,100	5,300	500	2,900	7,400	12,300	4,000	1,100
1990	15,600	2,600	500	4,300	7,000	11,900	3,700	400
1991	15,200	3,100	400	3,800	6,400	11,200	4,000	700
1992	15,000	2,800	500	4,500	7,700	10,700	4,000	400
1993	15,000	6,500	1,300	1,800	8,000	10,700	3,000	2,900
1994	14,700	1,900	2,400	4,000	8,400	10,500	3,100	1,100
1995	14,900	9,100	3,800	600	8,000	11,000	2,200	7,200
1996	15,400	8,100	4,800	700	8,700	12,300	1,600	6,500
1997	16,300	8,300	3,900	1,100	8,500	13,300	2,400	5,400
1998	17,100	7,800	3,200	1,100	7,900	13,900	2,900	4,500
1999	17,400	6,100	3,100	1,400	7,800	14,100	3,000	3,000
2000	17,300	3,600	2,900	3,200	9,200	13,700	2,900	1,300
2001	16,700	1,200	2,600	5,700	9,500	12,500	3,700	500
2002	16,200	3,700	2,500	3,500	9,400	11,600	3,700	1,300
2003	16,100	5,700	2,200	1,800	8,500	11,700	3,400	2,400
2004	15,900	2,700	2,000	3,900	9,000	11,400	3,000	1,100
2005	15,800	6,400	2,200	1,300	8,400	11,500	2,700	3,200
2006	16,000	8,600	3,700	800	8,800	12,500	1,600	6,200
2007	16,100	2,400	3,200	3,700	9,800	12,400	2,200	1,100
2008	15,800	3,100	2,800	3,300	9,100	11,500	3,100	1,300
2009	15,600	4,300	2,100	2,600	8,400	11,000	3,500	1,600
2010	15,400	5,000	2,200	1,700	7,800	11,000	3,300	2,200
2011	15,900	10,900	3,000	300	7,400	12,300	2,200	8,300
2012	16,000	2,100	2,800	3,300	7,800	12,700	2,700	1,100
2013	15,900	4,600	2,400	1,900	7,800	12,200	3,400	1,400
2014	15,800	3,800	2,000	2,600	7,300	11,900	4,100	900
2015	15,400	2,200	1,400	3,300	6,100	11,400	4,400	500
2016	15,400	6,700	1,700	1,100	6,700	11,600	3,800	2,800
2017	16,500	15,400	3,100	200	6,700	13,900	2,300	12,300
2018	17,300	4,700	2,400	2,100	7,000	15,000	2,700	1,900
2019	17,600	7,400	2,100	900	6,800	15,100	3,000	3,100

Note: All values are rounded to the nearest 100 AFA

Table 2. Projected flow budget for WY 2020-2070 using Baseline climate conditions.

Water Year	Inflows (AF)				Outflows (AF)			
	Inflow from MB	Recharge	Lake Tahoe	Storage	Pumping	Baseflow	Lake Tahoe	Storage
2020	17,800	4,900	2,700	4,200	9,800	14,700	3,200	1,800
2021	17,700	4,900	2,800	4,100	9,800	14,100	3,400	2,100
2022	17,500	4,900	2,600	4,100	9,900	13,600	3,600	2,100
2023	17,200	4,900	2,900	3,800	9,900	13,300	3,200	2,300
2024	17,000	4,900	3,000	3,600	9,900	13,000	3,100	2,500
2025	16,800	4,900	3,200	3,500	10,000	12,800	3,000	2,600
2026	16,600	4,900	3,300	3,500	10,000	12,700	2,900	2,700
2027	16,500	4,900	3,400	3,400	10,100	12,500	2,800	2,700
2028	16,400	4,900	3,400	3,400	10,100	12,400	2,800	2,800
2029	16,300	4,900	3,500	3,300	10,100	12,300	2,700	2,800
2030	16,200	4,900	3,500	3,300	10,200	12,200	2,700	2,800
2031	16,100	4,900	3,600	3,300	10,200	12,100	2,700	2,900
2032	16,100	4,900	3,600	3,200	10,200	12,000	2,700	2,900
2033	16,000	4,900	3,700	3,200	10,300	12,000	2,600	2,900
2034	16,000	4,900	3,700	3,200	10,300	11,900	2,600	2,900
2035	15,900	4,900	3,800	3,200	10,400	11,900	2,600	2,900
2036	15,900	4,900	3,800	3,200	10,400	11,800	2,600	3,000
2037	15,900	4,900	3,800	3,200	10,400	11,800	2,600	3,000
2038	15,800	4,900	3,900	3,200	10,500	11,700	2,500	3,000
2039	15,800	4,900	3,900	3,200	10,500	11,700	2,500	3,000
2040	15,800	4,900	3,900	3,200	10,500	11,700	2,500	3,000
2041	15,800	4,900	4,000	3,200	10,600	11,600	2,500	3,000
2042	15,800	4,900	4,000	3,200	10,600	11,600	2,500	3,000
2043	15,800	4,900	4,000	3,200	10,700	11,600	2,500	3,000
2044	15,700	4,900	4,000	3,200	10,700	11,600	2,500	3,100
2045	15,700	4,900	4,100	3,200	10,700	11,600	2,500	3,100
2046	15,700	4,900	4,100	3,200	10,800	11,500	2,400	3,100
2047	15,700	4,900	4,100	3,200	10,800	11,500	2,400	3,100
2048	15,700	4,900	4,100	3,200	10,800	11,500	2,400	3,100
2049	15,700	4,900	4,200	3,200	10,900	11,500	2,400	3,100
2050	15,700	4,900	4,200	3,200	10,900	11,500	2,400	3,100
2051	15,700	4,900	4,200	3,200	11,000	11,400	2,400	3,100
2052	15,700	4,900	4,200	3,200	11,000	11,400	2,400	3,100
2053	15,700	4,900	4,300	3,200	11,100	11,400	2,400	3,100
2054	15,700	4,900	4,300	3,200	11,100	11,400	2,400	3,100
2055	15,700	4,900	4,300	3,200	11,100	11,400	2,400	3,100
2056	15,700	4,900	4,300	3,200	11,200	11,400	2,400	3,100
2057	15,700	4,900	4,400	3,200	11,200	11,400	2,400	3,100
2058	15,700	4,900	4,400	3,200	11,300	11,300	2,400	3,100

Water Year	Inflows (AF)			
	Inflow from MB	Recharge	Lake Tahoe	Storage
2059	15,700	4,900	4,400	3,200
2060	15,700	4,900	4,400	3,200
2061	15,600	4,900	4,500	3,200
2062	15,600	4,900	4,500	3,200
2063	15,600	4,900	4,500	3,200
2064	15,600	4,900	4,500	3,200
2065	15,600	4,900	4,600	3,200
2066	15,600	4,900	4,600	3,300
2067	15,600	4,900	4,600	3,300
2068	15,600	4,900	4,600	3,300
2069	15,600	4,900	4,700	3,300
2070	15,600	4,900	4,700	3,300

Outflows (AF)			
Pumping	Baseflow	Lake Tahoe	Storage
11,300	11,300	2,300	3,100
11,300	11,300	2,300	3,200
11,400	11,300	2,300	3,200
11,400	11,300	2,300	3,200
11,500	11,300	2,300	3,200
11,500	11,300	2,300	3,200
11,600	11,300	2,300	3,200
11,600	11,200	2,300	3,200
11,600	11,200	2,300	3,200
11,700	11,200	2,300	3,200
11,700	11,200	2,300	3,200
11,800	11,200	2,300	3,200

Note: All values are rounded to the nearest 100 AFA

Table 3. Projected flow budget for WY 2020-2070 using Q2 (hot and dry) climate conditions.

Water Year	Inflows (AF)			
	Inflow from MB	Recharge	Lake Tahoe	Storage
2020	17,600	2,600	2,900	4,800
2021	17,100	2,600	3,100	4,600
2022	16,500	2,600	3,000	4,600
2023	16,000	2,600	2,900	4,600
2024	15,600	2,600	2,800	4,600
2025	15,300	2,600	2,800	4,600
2026	15,000	2,600	2,700	4,600
2027	14,700	2,600	2,600	4,600
2028	14,500	2,600	2,600	4,600
2029	14,300	2,600	2,500	4,600
2030	14,100	2,600	2,500	4,500
2031	13,900	2,600	2,500	4,500
2032	13,800	2,600	2,400	4,500
2033	13,600	2,600	2,400	4,500
2034	13,500	2,600	2,400	4,500
2035	13,400	2,600	2,400	4,400
2036	13,200	2,600	2,800	3,900
2037	13,100	2,600	3,100	3,600
2038	12,900	2,600	3,300	3,400
2039	12,800	2,600	3,500	3,300
2040	12,700	2,600	3,600	3,200
2041	12,600	2,600	3,700	3,100

Outflows (AF)			
Pumping	Baseflow	Lake Tahoe	Storage
9,800	14,400	3,100	700
9,800	13,300	3,100	1,100
9,900	12,500	3,200	1,200
9,900	11,800	3,300	1,200
9,900	11,100	3,300	1,300
10,000	10,600	3,400	1,300
10,000	10,100	3,400	1,300
10,100	9,700	3,400	1,400
10,100	9,300	3,500	1,400
10,100	8,900	3,500	1,400
10,200	8,600	3,500	1,500
10,200	8,400	3,500	1,500
10,200	8,100	3,500	1,500
10,300	7,900	3,500	1,500
10,300	7,700	3,500	1,500
10,400	7,500	3,500	1,600
10,400	7,300	3,000	1,800
10,400	7,200	2,700	2,000
10,500	7,100	2,600	2,100
10,500	7,000	2,500	2,200
10,500	6,900	2,400	2,300
10,600	6,900	2,300	2,300

Water Year	Inflows (AF)			
	Inflow from MB	Recharge	Lake Tahoe	Storage
2042	12,500	2,600	3,800	3,100
2043	12,400	2,600	3,900	3,000
2044	12,400	2,600	4,000	3,000
2045	12,300	2,600	4,000	3,000
2046	12,300	2,600	4,100	2,900
2047	12,200	2,600	4,200	2,900
2048	12,200	2,600	4,200	2,900
2049	12,100	2,600	4,200	2,900
2050	12,100	2,600	4,300	2,900
2051	12,100	2,600	4,300	2,900
2052	12,000	2,600	4,400	2,900
2053	12,000	2,600	4,400	2,900
2054	12,000	2,600	4,500	2,900
2055	12,000	2,600	4,500	2,900
2056	11,900	2,600	4,500	2,900
2057	11,900	2,600	4,600	2,900
2058	11,900	2,600	4,600	2,900
2059	11,900	2,600	4,600	2,900
2060	11,900	2,600	4,700	2,900
2061	11,900	2,600	4,700	2,900
2062	11,800	2,600	4,700	2,900
2063	11,800	2,600	4,800	2,900
2064	11,800	2,600	4,800	2,900
2065	11,800	2,600	4,800	2,900
2066	11,800	2,600	4,900	2,900
2067	11,800	2,600	4,900	2,900
2068	11,800	2,600	4,900	2,900
2069	11,800	2,600	5,000	2,900
2070	11,800	2,600	5,000	2,900

Outflows (AF)			
Pumping	Baseflow	Lake Tahoe	Storage
10,600	6,800	2,200	2,400
10,700	6,700	2,200	2,400
10,700	6,700	2,100	2,500
10,700	6,600	2,100	2,500
10,800	6,600	2,100	2,500
10,800	6,500	2,000	2,500
10,800	6,500	2,000	2,600
10,900	6,500	2,000	2,600
10,900	6,400	2,000	2,600
11,000	6,400	1,900	2,600
11,000	6,400	1,900	2,600
11,100	6,300	1,900	2,600
11,100	6,300	1,900	2,600
11,100	6,300	1,900	2,700
11,200	6,300	1,900	2,700
11,200	6,200	1,800	2,700
11,300	6,200	1,800	2,700
11,300	6,200	1,800	2,700
11,300	6,200	1,800	2,700
11,400	6,200	1,800	2,700
11,400	6,200	1,800	2,700
11,500	6,100	1,800	2,700
11,500	6,100	1,800	2,700
11,600	6,100	1,700	2,700
11,600	6,100	1,700	2,700
11,600	6,100	1,700	2,800
11,700	6,100	1,700	2,800
11,700	6,000	1,700	2,800
11,800	6,000	1,700	2,800

Note: All values are rounded to the nearest 100 AFA

APPENDIX K

Groundwater Level Monitoring Plan

South Tahoe Public Utility District

Groundwater Elevation Monitoring Plan – Tahoe Valley South (Basin No. 6- 5.01)

Version 1.0

Ivo Bergsohn, P.G., C.Hg.
12/1/2011

1 Introduction

In December 2010, the South Tahoe Public Utility District (District) submitted a notice of intent to serve as a monitoring entity in the California Statewide Groundwater Elevation Monitoring (CASGEM) Program. The District is the largest drinking water provider in the Lake Tahoe Basin and is an authorized groundwater management agency within the meaning of California Water Code Section 10753(a). Groundwater serves as the principal source of drinking water within the District's service area. As part of its efforts to manage this resource, the District has been actively monitoring groundwater elevations since March 2001. The following document has been prepared by the District to satisfy the CASGEM monitoring plan requirement.

1.1 Purpose

The purpose of this plan is to describe the well network and methods used by the District to monitor groundwater elevations within the Tahoe Valley-South Groundwater Basin (TV-South Basin).

1.2 Objectives

The District collects groundwater elevation readings from both observation wells and municipal water supply wells. The objective of the CASGEM monitoring program is to provide elevation data capable of demonstrating seasonal and long-term groundwater elevation trends. To satisfy this objective, the District shall only report groundwater elevation data collected from observation wells to the California Department of Water Resources (DWR) for CASGEM use.

1.3 Plan Organization

This plan has been prepared in general accordance with the monitoring plan requirements as presented in the Procedures for Monitoring Entity Reporting (DWR, 2010). The information presented in Section 2.0 serves as the rationale for the groundwater elevation monitoring plan and includes a description of the general hydrology, geologic setting and recharge conditions in the TV-South Basin. The other key components required of CASGEM monitoring plans are presented in Sections 3.0 and include: a description of the well network (Section 3.1); a monitoring schedule (Section 3.2); and a description of field methods used for data collection (Section 3.3). Section 4.0 describes the reporting procedures used by the District to record and archive the collected water level data.

2 Tahoe Valley-South Groundwater Basin (TV-South Basin)

2.1 Location and Geographic Scope

The TV-South Basin is regarded by DWR as a sub-basin of the Tahoe Valley Groundwater Basin, located at the south end of the Lake Tahoe Basin Hydrographic Area, about 150 miles east of the San Francisco Bay area and about 90 miles east of the Sacramento Valley (Figure 2.1).

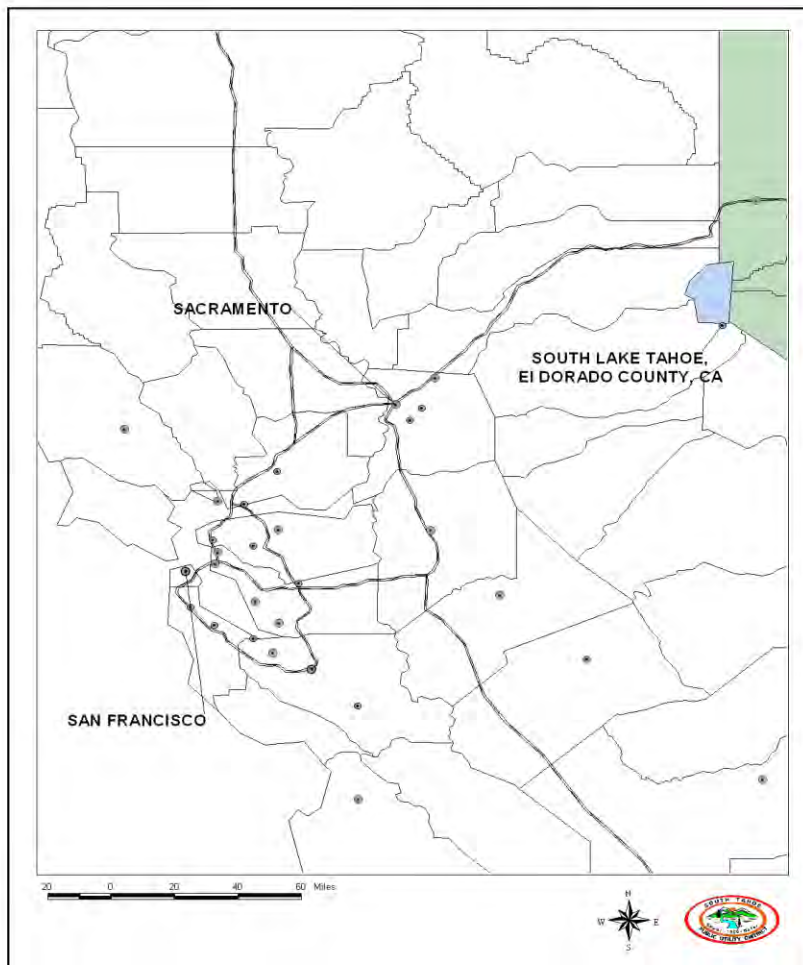


Figure 2.1 Regional Location

The TV-South Basin occupies a roughly triangular area, bounded on the southwest and southeast by mountain blocks of the Sierra Nevada; on the north by the south shore of Lake Tahoe; and to the

northeast by the California-Nevada State line. The Basin’s southern boundary extends about 3 miles south of the town of Meyers, and forms the triangular apex. Elevations within the Basin range from 6,225 feet at lake level rising to above 6,500 feet to the south, approaching the mountain front. The Upper Truckee River is the largest stream within the Lake Tahoe Hydrographic Area and flows near the center of the TV-South Basin, ultimately discharging into Lake Tahoe through the Upper Truckee Marsh at the north end of the Basin. The District service area covers approximately 27,000 acres (42 square miles) overlying the Basin, and includes portions of El Dorado County, the City of South Lake Tahoe, the Community of Meyers and Christmas Valley (Figure 2.2).

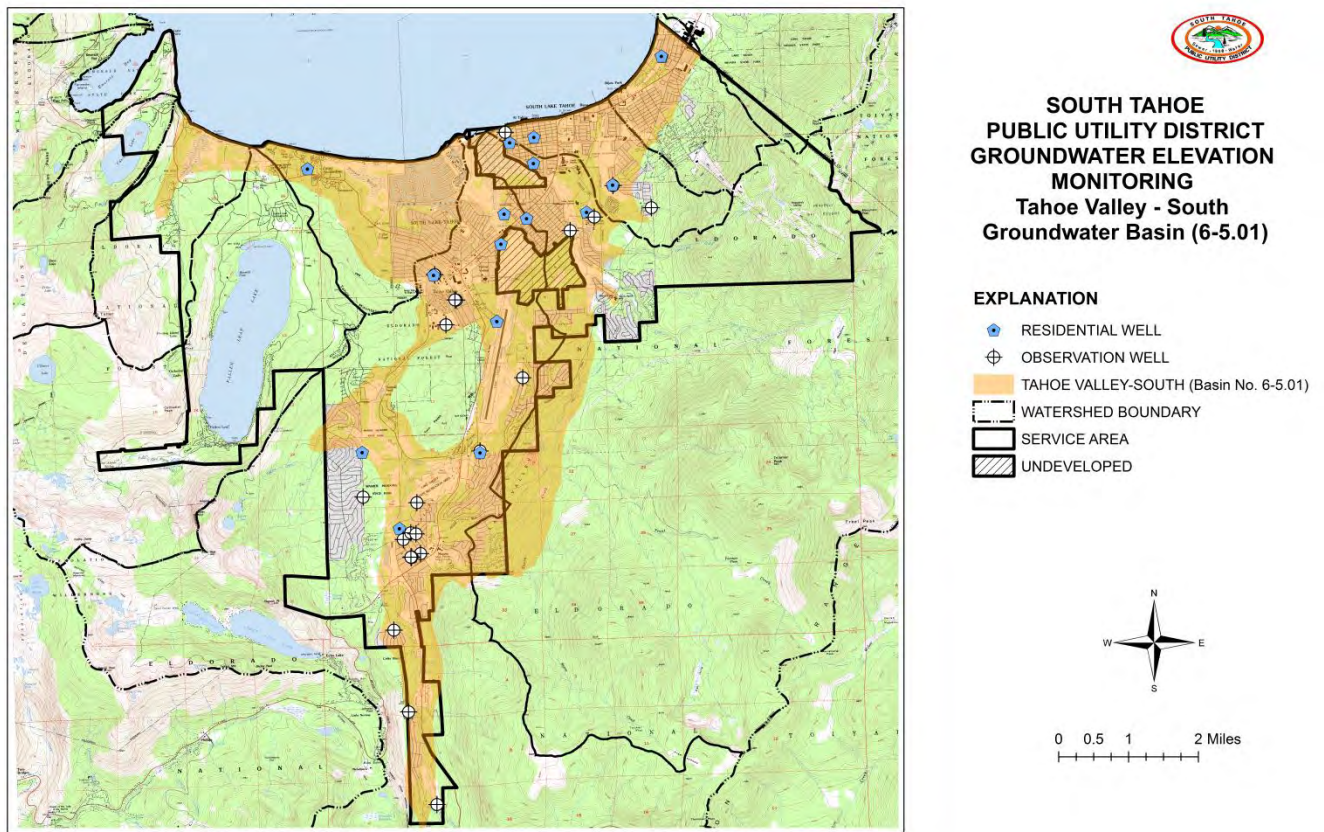


Figure 2.2 Tahoe Valley-South Basin and South Tahoe Public Utility District Service Area. Areas marked by diagonal lines represent undeveloped private lands not included within the service area as defined by the El Dorado Local Agency Formation Commission.

2.2 General Hydrology

2.2.1 Watersheds

Seven watersheds occur across the District's service area. The two largest watersheds are the Upper Truckee River and Trout Creek watersheds. The Upper Truckee River watershed is centrally located within the service area and is the largest in the Lake Tahoe Hydrographic Area comprising an estimated 18% of the total land area tributary to Lake Tahoe. Main tributary drainages to the Upper Truckee River include Grass Lake Creek; Big Meadow Creek and Angora Creek. The Trout Creek Watershed is located immediately east of the Upper Truckee River and is the second largest in the Hydrographic Area comprising an estimated 13% of the total land area tributary to Lake Tahoe. The main tributaries to Trout Creek include Cold Creek, Saxon Creek, Heavenly Valley Creek and Hidden Creek (USGS WRIR 00-4001).

2.2.2 Precipitation

Isohyetal maps for the Lake Tahoe Hydrographic Area show that for South Tahoe watersheds, mean annual precipitation ranges from over 60 inch/year at high elevation areas near the western boundaries of the Upper Truckee and Taylor Ck. watersheds to less than 25 inch/year near Lake Tahoe and the eastern boundary of the Trout Ck. watershed. At valley elevation <6500 ftmsl, mean annual precipitation ranges two-fold from a high of ~44 inch/year in the southwest to ~22 inch/year in the northeast portion of the Basin. Frontal systems from November through May account for over 85% of Tahoe Basin precipitation. Most annual precipitation is in the form of snow. Snowmelt is believed to generate more than 80% of the annual runoff within the Hydrographic Area (USGS WRIR 99-4110).

Snow water equivalent readings for the Heavenly Valley (Station 518) and Hagan Meadows (Station 508) SNOTEL stations, located along the east mountain block of the TV-South Basin, are plotted along with the stream discharge readings for Trout Creek near Tahoe Valley gage (USGS 10336780) to show the intimate relationship between snow melt and stream discharge within the TV-South Basin (Figure 2.3) Inspection of Figure 2.3 shows maximum stream flows typically occurs as the accumulated winter snow pack melts, starting in May and June (spring discharge), when high mountain temperatures rise above 32 degrees Fahrenheit. A second peak in stream discharge may also occur in response to warm pacific-frontal storms and rain-on-snow events at any time prior to spring discharge. In January 1997, a rain-on-snow event produced the largest recorded flood peak within the Basin (USGS FS-035-02).

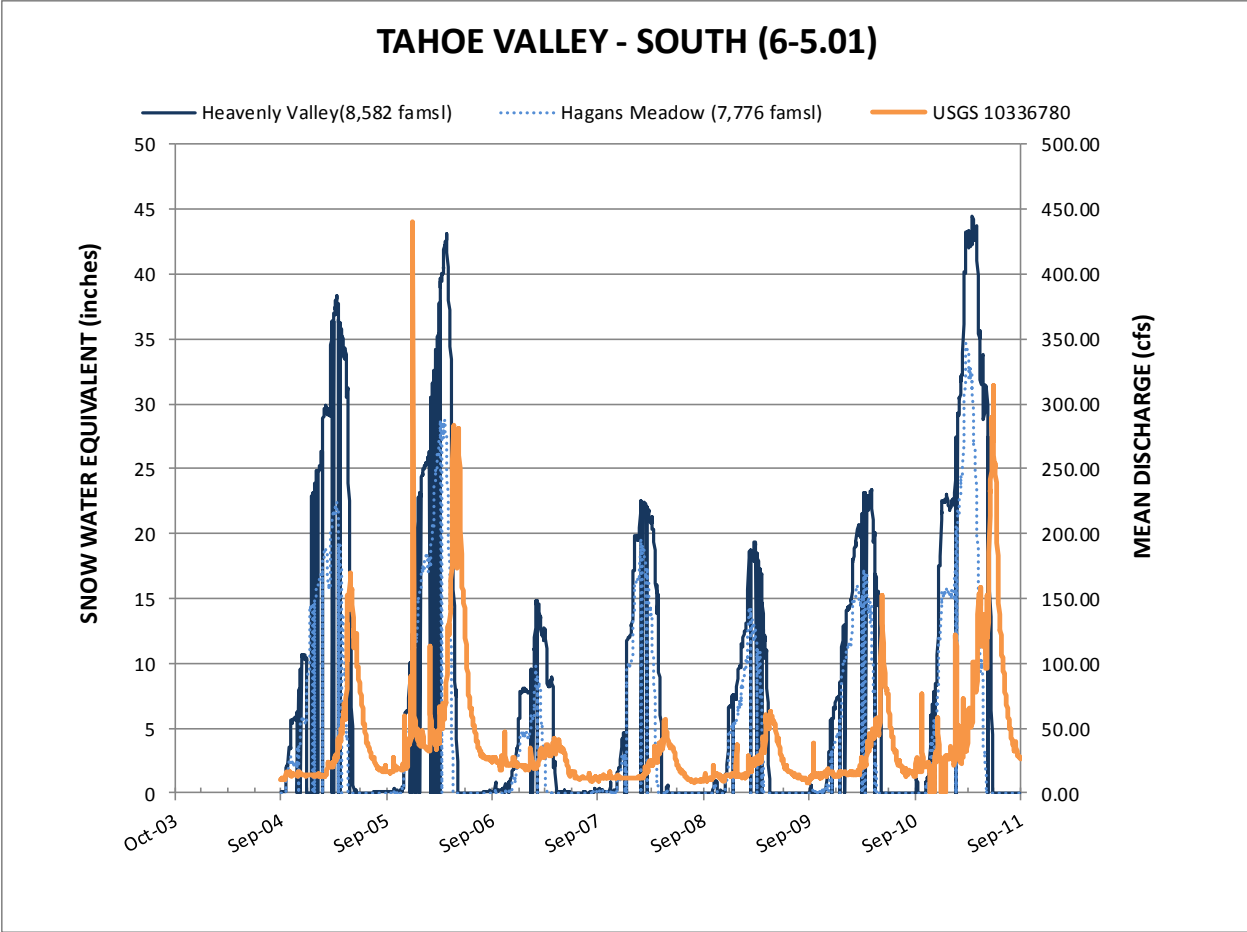


Figure 2.3 Basin precipitation and stream discharge relationships

2.3 Geologic Setting

Figure 2.4 shows the general geology of the TV-South Basin including major mapped units, faults and the bedrock contact with the basin-fill deposits.

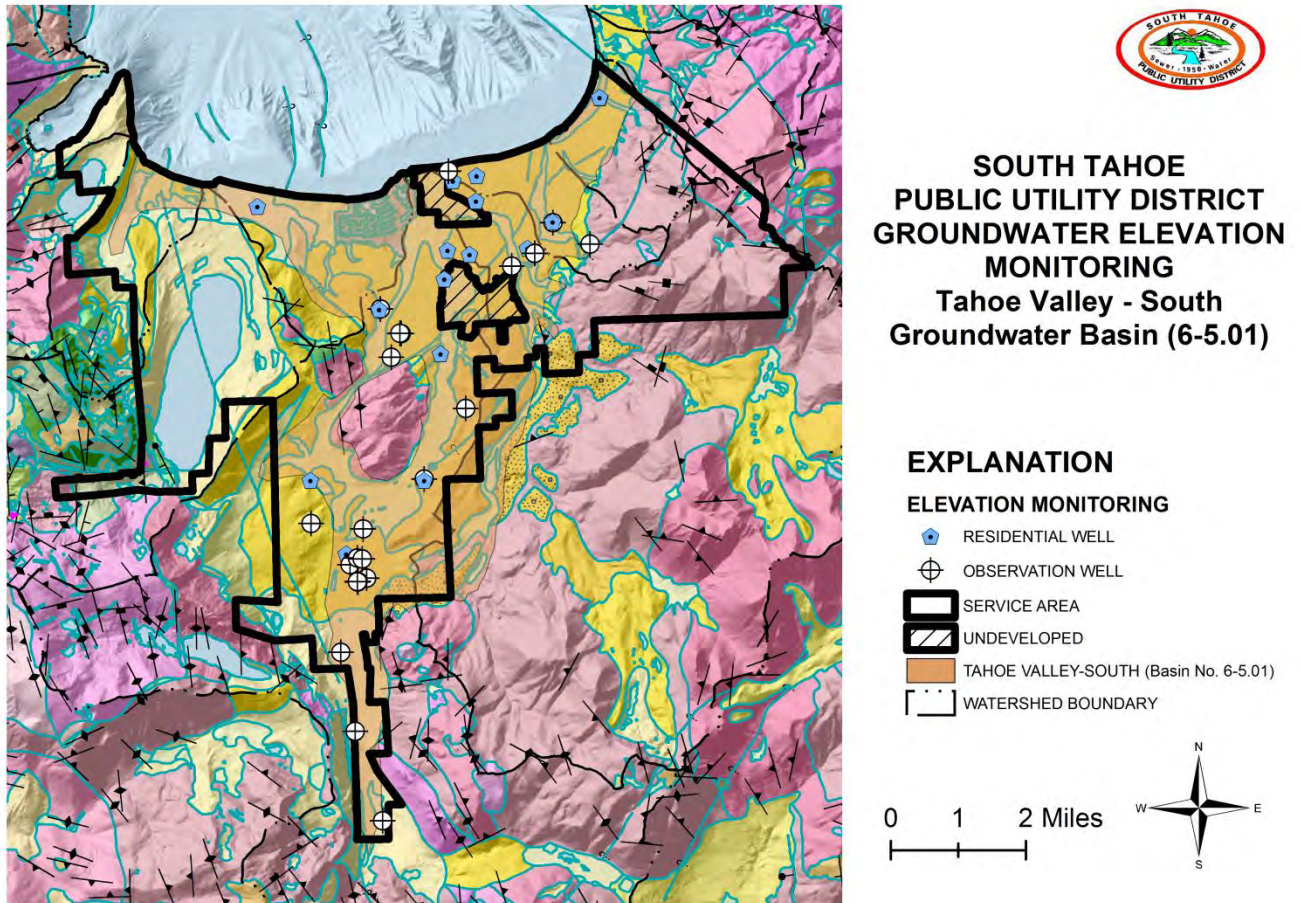


Figure 2.4 Generalized geology of the Tahoe Valley- South Basin (GIS Geologic Data; CGS CD 2008-01)

Structurally, the TV-South Basin lies within a west-tilted asymmetric half-graben. The West Tahoe Fault Zone defines the west side of the graben and is believed to be an east-dipping normal fault, with east-side-down normal displacements. This northwest-southeast trending fault zone extends, from Eagle Point toward the Celio Ranch, near the south end of the Basin. A second zone of faulting occurs near the east side of the graben. This east side fault zone trends in a northeast-southwest direction along the mountain front of the Carson Range, from Stateline toward Meyers. This east side fault zone is also believed to be an east-dipping normal fault, with northwest-side-down normal displacements.

Geologic materials contained within the Basin are broadly subdivided into bedrock and basin-fill deposits. Bedrock consists of metamorphic, granitic and volcanic rocks. These rocks occur along the upper portions of the steep mountain slopes and peaks that form the mountain blocks surrounding the margins of the Basin and floors the structural valley into which the basin-fill deposits lie. A smaller region of bedrock, composed of meta-sedimentary and granitic rocks, is exposed within the north-central portion of the Basin at Twin Peaks and through an adjoining area of low lying hills northwest of Twin Peaks at Tahoe Mountain. Bedrock is not a source of municipal drinking water supply within the Basin.

Basin-fill deposits, in general, consist of unconsolidated glacial, lake and stream sediments. These sedimentary deposits fill the lower reaches of the canyons that drain toward Lake Tahoe and underlie the relatively flat lying valley floors. Across the Basin, the thickness of these deposits is variable. In general, the basin-fill deposits are relatively thin toward the margins of the Basin and where they cover shallow bedrock areas exposed within the Basin. The basin-fill deposits typically thicken away from these bedrock areas to fill the deepest portions of the Basin, referred to as depocenters. Gravity survey and well drilling information suggests that at least three depocenters occur within the Basin. The largest of these depocenters underlies the City of South Lake Tahoe. A second depocenter is located north of Fallen Leaf Lake, underlying the present drainages of Baldwin and Taylor Creeks. A third depocenter underlies the Meyers area, between the Crystal range and Twin Peaks. Within these depocenters, basin-fill deposits may be on the order of 600 feet to more than 1,000 feet thick.

The principal source of groundwater in the Basin is the basin-fill deposits. Glacial deposits form the majority of the aquifers in the Basin. Valley glaciers advanced north toward Lake Tahoe through the Upper Truckee River Valley during at least three episodes of glaciation between 3 million and 12,000 years ago. As these glaciers advanced and receded they formed lateral moraines along the edges of the glaciers path and terminal moraines at the ends of the glaciers advance. These moraine deposits are typically jumbled deposits of clay to boulder size material, with moderate permeability. Sediment-laden melt-waters from the receding glaciers flowed in streams, in front of the terminal moraines, north toward Lake Tahoe. These streams dropped their sediment loads along their stream channels and in broad coalescing flood fans, referred to as outwash plains. These outwash fan and fluvial channel deposits are composed of layered beds of well sorted gravel, sand and silt size material, with moderate to high permeability. Where these glacial streams deposited sediment directly into Lake Tahoe, thick deltas were formed of inter-layered sand and fine-grained silt and clay. These delta sequences grade laterally with: 1) lakeshore deposits, consisting of moderately well sorted sand and gravel deposits with relatively high permeability; 2) inter-fan and marsh deposits, consisting of fine-grained sand, silt and clay; and 3) lake deposits, consisting of silt and clay. Both the inter-fan, marsh and lake deposits have relatively low permeability. The relatively high permeability glacial outwash and delta deposits form excellent groundwater reservoirs. The best of these reservoirs have been found in the north half of the Basin, beneath the present day Truckee Marsh. The relatively low permeable inter-fan, marsh and lake deposits form at least four locally extensive aquitards that separate the reservoirs into a minimum of at least five distinct regional aquifers, which can be further sub-divided into 26 water-bearing zones, of which 18 are actively used for drinking water supply. The water-bearing zone designations are informal

and are based on local geographic area and the stratigraphic order in which they occur (1 = lowermost zone; 5 = uppermost zone). Local water-bearing zone designations are provided in Table 1.

AREA	ZONE	IDENTIFIER	SOURCE WATER
CHRISTMAS VALLEY- southern-most portion of Basin, south of Lake Valley and Highway 50.	4	CVZ4	Yes
	3	CVZ3	Yes
	2	CVZ2	Yes
	1	CVZ1	Potential
MEYERS- south Lake Valley portion of Basin, from Highway 50 north to Twin Peaks.	5	MZ5	No
	4	MZ4	Yes
	3	MZ3	Yes
	2	MZ2	No
	1	MZ1	No
ANGORA –south Lake Valley portion of Basin, west of Twin Peaks.	2	AZ2	Yes
	1	AZ1	Yes
SOUTH LAKE TAHOE – north Lake Valley from Lake Tahoe Airport north to the south shore of Lake Tahoe, west of the Tahoe Keys to Johnson Boulevard.	5	SLTZ5	Yes
	4	SLTZ4	Yes
	3	SLTZ3	Yes
	2	SLTZ2	Yes
	1	SLTZ1	No
TAHOE KEYS –north Lake Valley, from Camp Richardson east to the Tahoe Keys.	5	TKZ5	Yes
	4	TKZ4	Yes
	3	TKZ3	Yes
	2	TKZ2	Yes
	1	TKZ1	Yes
BIJOU – northwest portion of the Basin from Johnson Boulevard east to Bijou Park.	5	BZ5	No
	4	BZ4	Yes
	3	BZ3	Yes
	2	BZ2	No
	1	BZ1	Yes

Table 1 Local water-bearing zone designations and current District use.

2.4 Recharge

Sources of recharge to the TV-South Basin are believed to be predominantly direct infiltration of precipitation and/or downward percolation of surface water with a lesser unknown proportion attributed to mountain front recharge. On average, the total groundwater recharge into the Basin (1990 – 2004) is estimated at about 28,846 acre-feet per year (AFY). A breakdown of the average monthly recharge into the Basin between 1990 through 2004 is provided in the following table (Table 2).

MONTH	MONTHLY AVERAGE RECHARGE	
	(Galls)	Acre-Feet (AF)
Jan	509,459,396	1,563
Feb	686,686,748	2,107
Mar	1,816,443,624	5,574
Apr	2,543,561,418	7,805
May	2,242,410,232	6,881
Jun	993,021,440	3,047
Jul	103,088,371	316
Aug	11,369,118	35
Sept	23,130,706	71
Oct	27,112,284	83
Nov	176,886,543	543
Dec	267,785,851	822
ANNUAL AVERAGE (1990 – 2004)	9,400,955,731	28,846

Table 2 Average monthly groundwater recharge in the Tahoe Valley-South Basin.

2.4.1 Groundwater Levels

Groundwater elevations in the TV-South appear to fluctuate in response to seasonal changes in precipitation and stream runoff. Figure 2.5 shows the groundwater elevations measured in five groundwater basin observation wells along with the snow water equivalent readings for the Heavenly Valley SNOTEL site (Station 518). Figure 2.6 shows the same groundwater elevation hydrographs along with the stream discharge readings for the Upper Truckee River at the South Lake Tahoe gage (USGS 10336610).

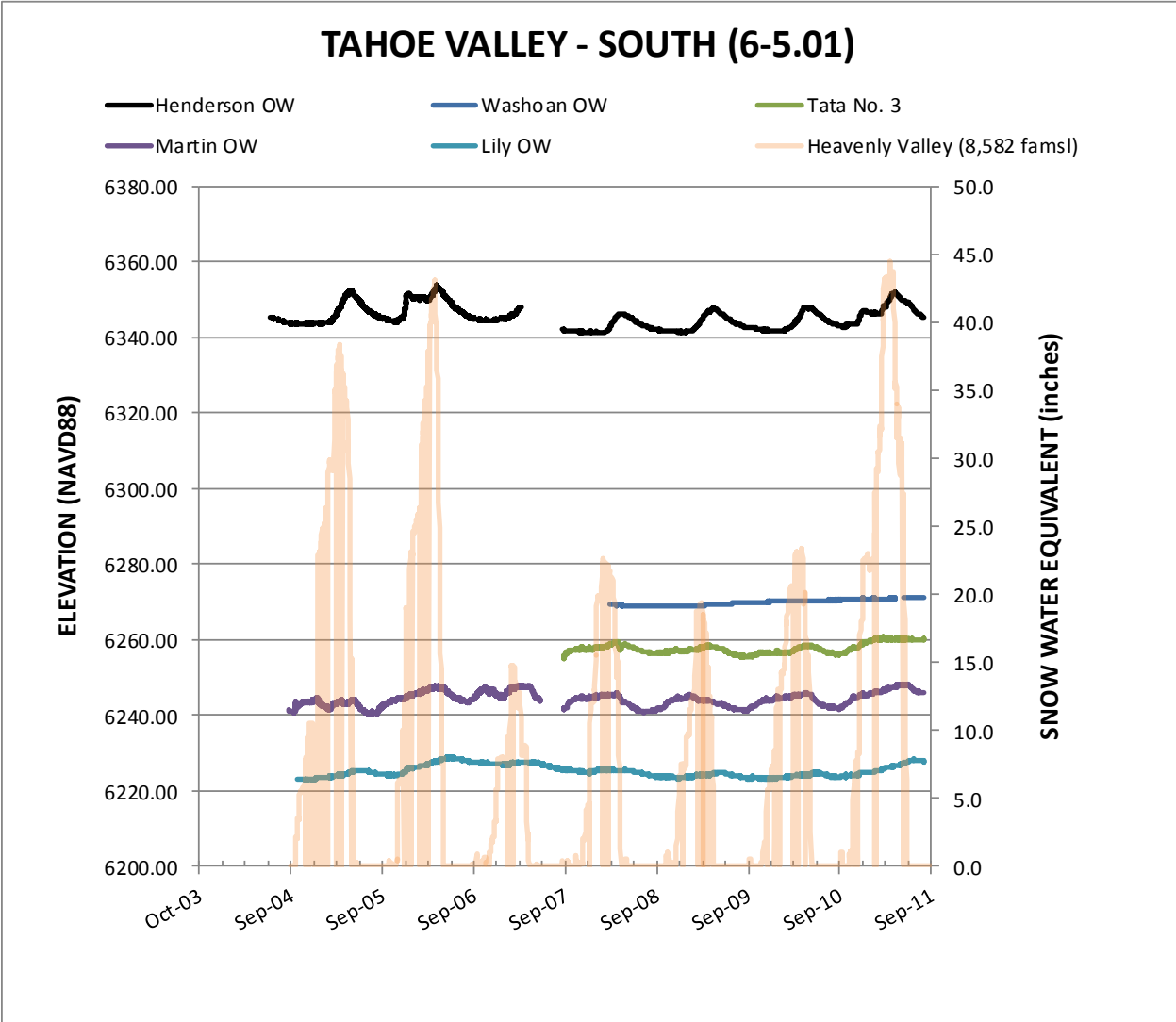


Figure 2.5 Groundwater elevation hydrographs and basin precipitation as measured by snow water equivalent.

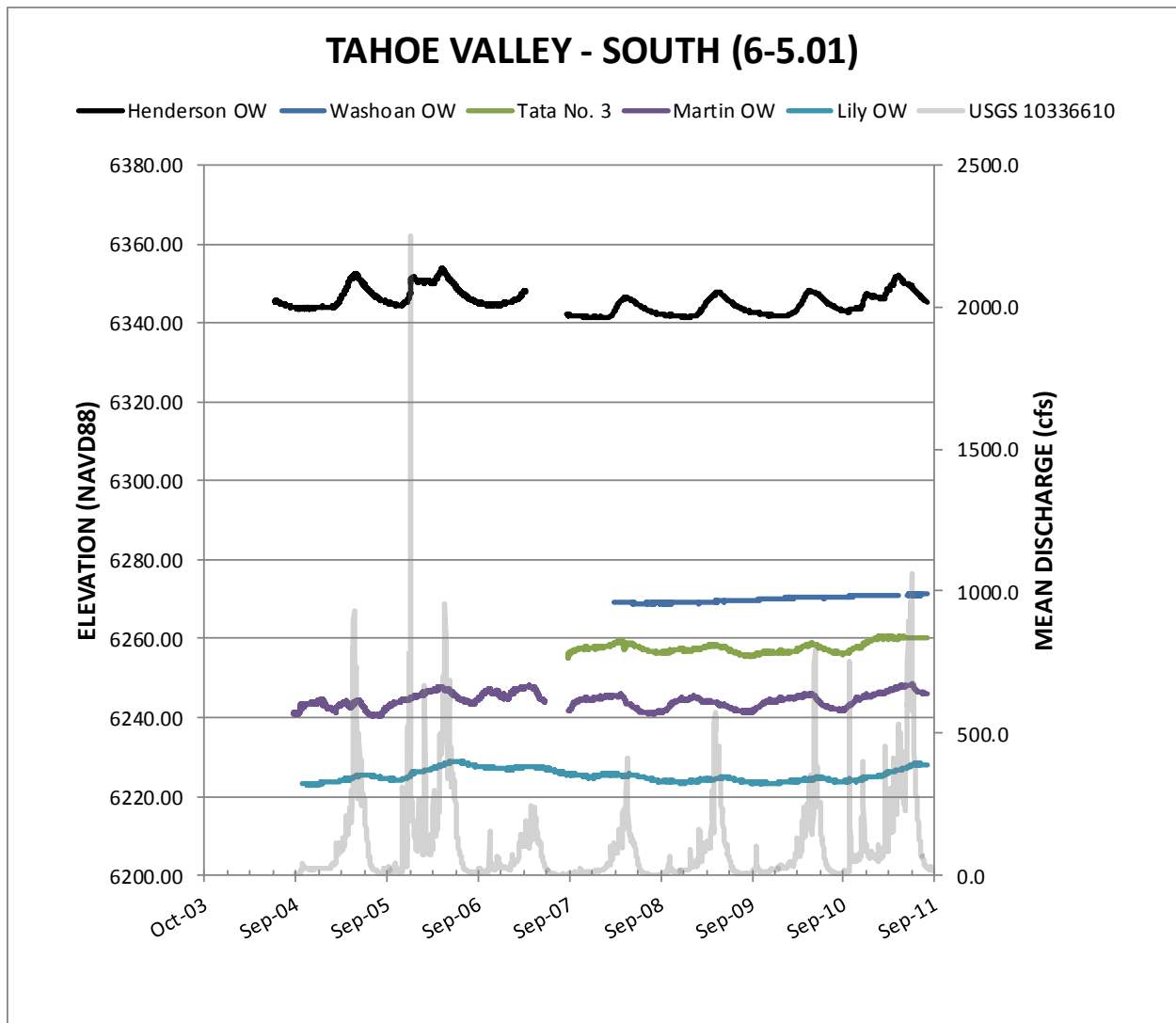


Figure 2.6 Groundwater elevation hydrographs and surface water runoff as measured by mean discharge.

Comparison of Figures 2.5 and 2.6 shows that groundwater elevations fluctuate in response to both seasonal changes in precipitation and surface water runoff. Groundwater elevations tend to rise during the winter storm season with seasonal high groundwater occurring between early-April through mid-June (Figure 2.5) and tend to decline during the summer and into the fall, as stream flows recede and approach baseflow, resulting in seasonal low groundwater elevations occurring between mid-July through mid-November (Figure 2.6). The Washoan Observation Well (OW) and Lily OW do not show this trend. The Washoan OW is screened through a confined portion of the aquifer below the uppermost water-bearing zone (SLTZ5) and does not appear to be strongly influenced by seasonal recharge events. The Lily OW is screened through the uppermost water-bearing zone (SLTZ5) and is located along the north margin of the groundwater basin, fringing Lake Tahoe. Comparison of the Lily OW hydrograph and

elevation readings from the Tahoe City gage (USGS 10337000) suggest that groundwater elevations in this portion of the TV-South Basin are strongly influenced by lake level.

3 Groundwater Elevation Monitoring

3.1 Well Network

The District well network includes thirty (30) observation wells and seventeen (17) residential wells. All of the residential wells are active and are used for municipal drinking water supply. Two of these wells are on stand-by status, used only for emergency purposes. The observation wells include: monitoring wells, sentinel wells and test wells; as well as former drinking water supply wells that have been removed from service and are no longer connected to the District’s water distribution system. Only the observation wells are proposed for use in the CASGEM program. The location and distribution of these observation wells are shown below (Figure 3.1).

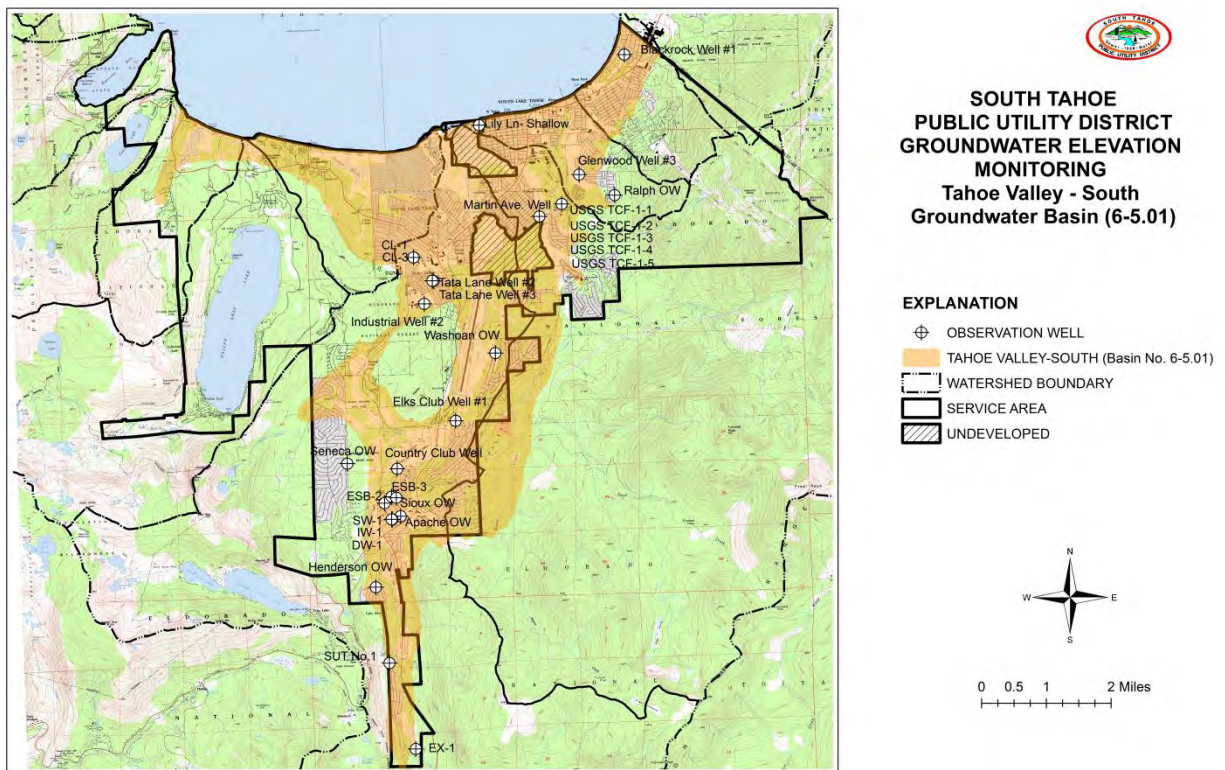


Figure 3.1 District observation wells available for use in the CASGEM program.

As mentioned previously, the observation wells include wells that were constructed for varying purposes. As such, the perforation intervals are also variable, as a consequence of the original intended use of that particular observation well. Figure 3.2 shows the approximate screened intervals, using the top of screen and total depth elevations for each of the observation wells, arranged from the head of the basin (at the south), north toward Lake Tahoe. The water-bearing zones through which these observation wells are screened are identified in Table 3. CASGEM required information for these wells is provided in Attachment A.

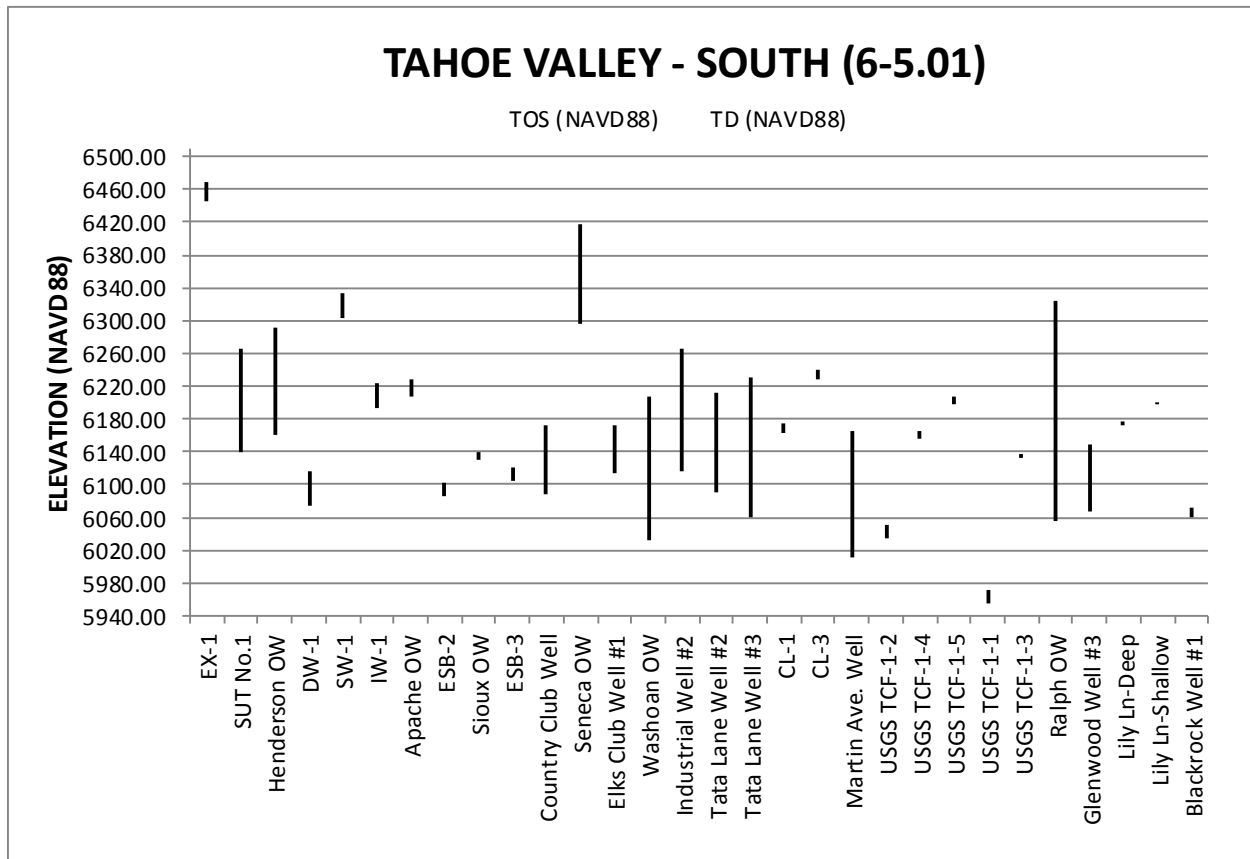


Figure 3.2 Approximate elevation ranges of the observation well screened intervals. The observation wells are arranged in order of geographic location (south to north) across the basin.

3.1.1 Data Gaps

DWR suggests a recommended density of from 2 to 10 observation wells per 100 square miles (DWR, 2010). The District observation well network satisfies this general criterion for the TV-South Basin. The well network is fairly well distributed geographically through most areas with the exception of the Taylor Creek and Tallac Creek watersheds in the northwest corner of the TV-South Basin. Groundwater through

these areas is typically used by private wells serving seasonal summer-time residences, and transient and non-transient noncommunity water systems.

There are currently no plans or funding to install dedicated monitoring wells within watersheds situated within the District’s service area where there are no wells monitored or where data gaps exist. The District would be interested in discussing the installation of dedicated monitoring wells in portions of the TV-South Basin where data gaps exist should outside funding become available. In the event future monitoring wells are installed by other agencies, the District would consider the possibility of adding such wells to the current monitoring network to reduce data gaps.

3.2 Monitoring Schedule

The District uses two methods for collecting static water level readings from the well network;

- 1) Hand measurements using an electric well sounder; and
- 2) Automated readings using a submersible pressure transducer/data logger.

Hand readings are collected from all wells in May and November of each year. May and November are optimal for static water level readings because these months generally coincide with seasonal high and low groundwater elevations and District water demands are low, allowing production wells to be strategically shut-off to attain static water conditions during measurements.

Due to the number, geographic distribution and coordination of temporary shut-offs of active wells, hand readings are completed over a two-day period. Almost half of the observation wells are fitted with dedicated water-level monitoring equipment. The data loggers are programmed to collect daily pressure head and temperature readings at 6:00 AM and 6:00 PM. Table 3 lists the local water-bearing zones screened and the frequency and type of measurements collected from each of the observation wells.

OBSERVATION WELL	WATER-BEARING ZONE	SEMI-ANNUAL HAND READINGS (May and November)	AUTOMATED READINGS (12 Hour Frequency)
Apache OW	CVZ4	X	
Blackrock Well #1	BZ4	X	
CL-1	SLTZ5	X	
CL-3	SLTZ5	X	
Country Club Well	MZ4	X	
DW-1	MZ4	X	
Elks Club Well #1	MZ4	X	
ESB-2	MZ4	X	X
ESB-3	MZ4	X	

EX-1	CVZ4	X	X
Glenwood Well #3	BZ4	X	X
Henderson OW	CVZ3, CVZ4	X	X
Industrial Well #2	SLTZ3, TKZ5	X	
IW-1	CVZ4	X	X
Lily Ln-Deep	SLTZ5	X	
Lily Ln-Shallow	SLTZ5	X	X
Martin Ave. Well	SLTZ4	X	X
Ralph OW	BEDROCK	X	X
Seneca OW	MZ5	X	X
Sioux OW	MZ4	X	
SUT No.1	CVZ2, CVZ3	X	X
SW-1	CVZ4	X	
Tata Lane Well #2	SLT3, TKZ5	X	
Tata Lane Well #3	SLT3, TKZ5	X	X
USGS TCF-1-1	BZ2	X	
USGS TCF-1-2	BZ3	X	
USGS TCF-1-3	BZ4	X	X
USGS TCF-1-4	BZ4	X	
USGS TCF-1-5	BZ5	X	
Washoan OW	SLTZ1, SLTZ2, SLTZ3, SLTZ4	X	X

Table 3 Proposed schedule for TV-South groundwater elevation monitoring.

3.3 Field Methods

3.3.1 Reference Point Elevations

In 2003, Tri-State Surveying, Ltd. established a geo-referencing survey control network across the District's service area. The control survey includes five monuments set by Tri-State State surveying and eleven control monuments from the National Geodetic Survey, Caltrans and El Dorado County DOT. The control network is referenced to NAD' 83, California State Plane Coordinate System, Zone 2 and NAVD88 vertical datum. All coordinate and elevation data for each of the wells in the well network are tied by a Professional Land Surveyor to the control survey. Survey information collected for each well is as follows:

- 1) Point Identifier;
- 2) Physical description of identifier;
- 3) Date of measurement;
- 4) SP CA 2 Northing coordinate (feet);

- 5) SP CA 2 Easting coordinate (feet);
- 6) Latitude (WGS84), in decimal degrees;
- 7) Longitude (WGS84), in decimal degrees;
- 8) NAVD88 vertical elevation - ground (feet);
- 9) NAVD 88 vertical elevation – top of casing measuring point(feet);
- 10) NGVD 29 vertical elevation - ground (feet);
- 11) NGVD 29 vertical elevation – top of casing measuring point (feet);
- 12) Horizontal accuracy (feet); and
- 13) Vertical accuracy (feet)

Reference points for any new observation well added to the well network will be surveyed by a Professional Land Surveyor in accordance with District surveying requirements.

3.3.2 Groundwater Elevation Readings

3.3.2.1 Semi-Annual Readings

As indicated in Section 3.2 static water level readings are collected over a 2-day period in May and November of each year. Collection over a 2-day period is required to allow production wells to be turned-off for next day static water-level readings. Production wells are allowed a minimum 12 hours recovery time prior to measurement. For most District production wells, minimum 12 hour recovery time has been adequate to attain static water conditions. The shut-off date and time for each production well is recorded on the District’s field sheet. An example copy of this field sheet is provided in Attachment B.

Static water level readings are collected using an electric portable water level sounder. The well sounder uses a battery and an electrode attached to the end of a sounding cable. The sounding cable is a 2 conductor PVC, 20 AWG size cable marked in 1-foot increments. A milli-ampere analog meter is used to show contact of the electrode with the water level. The water level is determined by using an engineer’s tape to measure the static level to the nearest 0.01 foot from the nearest 1-foot increment on the sounding cable. Methods employed for static-level readings are as follows:

Prior to Use

- Check the connection between the electrode and the sounding cable to insure that it is in good condition
- Check that the sounding cable is clean and free of kinks
- Check the charge on the battery

Measurement

- Inspect and note the general condition of the well cover
- Open the well cover and remove the well cap. Allow the well several minutes to equilibrate with atmospheric pressure. Note the general condition of the well cap and if not vented, any excess pressure or vacuum on the well cap during removal.
- Decontaminate the well sounder electrode and cable using a spray bottle filled with fresh potable water
- Check previous year readings to estimate anticipated water level range
- Lower the sounding cable into the well and measure static water level relative to the established reference point. Take at least three soundings to insure the electrode is in true contact with static level. If the reference point has changed from the previous year's measurement; measure the new reference point elevation in relation to ground surface and note the distance in the field book.
- Hold the cable at the reference point and measure the depth to water to the nearest 0.01 foot from the nearest 1-foot increment on the sounding cable.
- Record the following information in a bound field book;
 - Date and time of measurement
 - Well Name
 - Depth to water reading
 - Notes/Observations
- Reel in the sounding cable and wipe clean with a clean towel
- Replace the well cap and lock the well cover.

3.3.2.2 Automated Readings

Submersible pressure transducers with internal data loggers have been installed in 13 observation wells to collect pressure head readings on a daily (12-hour frequency) basis (Refer to table 3). The majority of these are absolute pressure transducers. In order to compensate pressure head readings for atmospheric pressure, a set of barometric pressure transducers have been deployed in seven of the 13 observation wells. Barometric pressure readings are collected at the same time and frequency as the pressure head readings to provide the most accurate compensated reading. Both the submersible and barometric transducers are typically suspended on a stainless steel wire line attached to the bottom of the well cap. Several wells are fitted with direct read cables that allow retrieval of submersible transducer readings without removal from the well. Pressure and barometric head readings from the well transducers are routinely downloaded at least once per year during the summer or early fall. These files are then used to update long-term head monitoring records and convert the compensated head readings to water-level elevations.

4 Data Reporting

Static water level readings are recorded in bound field books and on the field sheets. Following each measuring event, the collected depth to water field readings are reviewed, checked for errors and entered into a standard MS-excel worksheet. The worksheet is used to convert the field readings to NAVD88 elevations and update water-level hydrographs for each well. The field readings are also used to check the accuracy of the automated readings. Information contained in the water level worksheet for each measuring event is as follows:

- Location ID
- Well Name
- Latitude
- Longitude
- Reference Point Elevation (NAVD88)
- Water Level Date
- Depth to Water Reading (feet)
- Water Level Elevation (NAVD88)
- Data Quality Assurance Code (1 = low to 4 = high)
- Quality Assurance Reviewer (initial)
- Quality Assurance Date
- Quality Assurance Source
- Notes/Comments regarding the measurement

5 References

California Department of Water Resources (DWR). 2010. California Statewide Groundwater Elevation Monitoring (CASGEM) Program, Procedures for Monitoring Entity Reporting, December 2010.

California Geological Society (CGS). 2008. GIS Data for the Geologic Map of the Lake Tahoe Basin, California and Nevada; CGS CD 2008-01.

United States Geological Survey (USGS). 1999. Precipitation-Runoff Simulations for the Lake Tahoe Basin, California and Nevada; Water-Resources Investigations Report 99-4110.

United States Geological Survey (USGS). 2000. Surface- and Ground-Water Characteristics in the Upper Truckee and Trout Creek Watersheds, South Lake Tahoe, California and Nevada, July- December 1996; Water-Resources Investigations Report 00-4001.

United States Geological Survey (USGS). 2002. Estimated Flood Flows in the Lake Tahoe Basin, California and Nevada; Fact Sheet 035-02.

ATTACHMENT A

South Tahoe Public Utility District

Observation Well Network Information

Local Well Designation	State Well Number	RP Elevation	RP Description	GS Elevation
Apache OW		6340.12	Top Well Casing - N'ly Edge	6340.32
Blackrock Well #1	0910002-005	6242.72	Top of sounding tube	6240.73
CL-1		6278.37	Top Well Casing - N'ly Edge	6278.76
CL-3		6278.49	Top Well Casing - N'ly Edge	6278.64
Country Club Well	0910002-011	6286.19	N Bolt on Well Case	6285.49
DW-1		6342.07	Top Well Casing - N'ly Edge	6342.38
Elks Club Well #1	0910002-013	6284.63	Top of sounding tube	6282.95
ESB-2		6319.57	Top Well Casing - N'ly Edge	6319.87
ESB-3		6316.07	Top Well Casing - N'ly Edge	6316.37
EX-1		6475.09	Top Well Casing - N'ly Edge	6475.50
Glenwood Well #3	0910002-020	6261.68	Top Well Casing - N'ly Edge	6259.83
Henderson OW		6369.78	Top Well Casing - N'ly Edge	6366.18
Industrial Well #2	0910002-025	6305.95	1-1/2" Well casing penetration	6305.64
IW-1		6342.88	Top Well Casing - N'ly Edge	6343.22
Lily Ln-Deep		6236.03	Top Well Casing - N'ly Edge	6236.35
Lily Ln-Shallow		6236.08	Top Well Casing - N'ly Edge	6236.35
Martin Ave. Well	0910002-027	6262.42	Top of sounding tube	6260.93
Ralph OW	0910002-031	6351.97	Top of sounding tube	6351.41
Seneca OW		6476.12	Top Well Casing - N'ly Edge	6476.38
Sioux OW		6326.84	Top Well Casing - N'ly Edge	6327.36
SUT No.1	0910002-032	6401.22	Top Well Casing - N'ly Edge	6401.75
SW-1		6342.65	Top Well Casing - N'ly Edge	6343.00
Tata Lane Well #2	0910002-038	6286.11	Top of sounding tube	6284.11
Tata Lane Well #3	0910002-039	6288.34	Center Well Casing	6286.10
USGS TCF-1-1		6296.48	Top Well Casing - N'ly Edge	6295.70
USGS TCF-1-2		6296.47	Top Well Casing - N'ly Edge	6295.70
USGS TCF-1-3		6296.65	Top Well Casing - N'ly Edge	6295.70
USGS TCF-1-4		6296.63	Top Well Casing - N'ly Edge	6295.70
USGS TCF-1-5		6296.63	Top Well Casing - N'ly Edge	6295.70
Washoan OW		6307.84	Top Well Casing - N'ly Edge	6308.02

Local Well Designation	Measurement Method	Measurement Accuracy	Well Use	Well Status
Apache OW	Surveyed to a benchmark	0.1 ft.	Observation	Inactive
Blackrock Well #1	Surveyed to a benchmark	0.1 ft.	Observation	Inactive
CL-1	Surveyed to a benchmark	0.1 ft.	Observation	Inactive
CL-3	Surveyed to a benchmark	0.1 ft.	Observation	Inactive
Country Club Well	Surveyed to a benchmark	0.1 ft.	Observation	Inactive
DW-1	Surveyed to a benchmark	0.1 ft.	Observation	Inactive
Elks Club Well #1	Surveyed to a benchmark	0.1 ft.	Observation	Inactive
ESB-2	Surveyed to a benchmark	0.1 ft.	Observation	Inactive
ESB-3	Surveyed to a benchmark	0.1 ft.	Observation	Inactive
EX-1	Surveyed to a benchmark	0.1 ft.	Observation	Inactive
Glenwood Well #3	Surveyed to a benchmark	0.1 ft.	Observation	Inactive
Henderson OW	Surveyed to a benchmark	0.1 ft.	Observation	Inactive
Industrial Well #2	Surveyed to a benchmark	0.1 ft.	Observation	Inactive
IW-1	Surveyed to a benchmark	0.1 ft.	Observation	Inactive
Lily Ln-Deep	Surveyed to a benchmark	0.1 ft.	Observation	Inactive
Lily Ln-Shallow	Surveyed to a benchmark	0.1 ft.	Observation	Inactive
Martin Ave. Well	Surveyed to a benchmark	0.1 ft.	Observation	Inactive
Ralph OW	Surveyed to a benchmark	0.1 ft.	Observation	Inactive
Seneca OW	Surveyed to a benchmark	0.1 ft.	Observation	Inactive
Sioux OW	Surveyed to a benchmark	0.1 ft.	Observation	Inactive
SUT No.1	Surveyed to a benchmark	0.1 ft.	Observation	Inactive
SW-1	Surveyed to a benchmark	0.1 ft.	Observation	Inactive
Tata Lane Well #2	Surveyed to a benchmark	0.1 ft.	Observation	Inactive
Tata Lane Well #3	Surveyed to a benchmark	0.1 ft.	Observation	Inactive
USGS TCF-1-1	Surveyed to a benchmark	0.1 ft.	Observation	Inactive
USGS TCF-1-2	Surveyed to a benchmark	0.1 ft.	Observation	Inactive
USGS TCF-1-3	Surveyed to a benchmark	0.1 ft.	Observation	Inactive
USGS TCF-1-4	Surveyed to a benchmark	0.1 ft.	Observation	Inactive
USGS TCF-1-5	Surveyed to a benchmark	0.1 ft.	Observation	Inactive
Washoan OW	Surveyed to a benchmark	0.1 ft.	Observation	Inactive

Local Well Designation	Latitude (N)	Longitude (W)	Coordinates Method	Coordinates Accuracy
Apache OW	38.85517110	120.01712996	Surveyed	1 ft.
Blackrock Well #1	38.95668558	119.94877095	Surveyed	1 ft.
CL-1	38.91288586	120.01097127	Surveyed	1 ft.
CL-3	38.91290350	120.01100542	Surveyed	1 ft.
Country Club Well	38.86577423	120.01766464	Surveyed	1 ft.
DW-1	38.85443311	120.01962396	Surveyed	1 ft.
Elks Club Well #1	38.87606433	120.00050420	Surveyed	1 ft.
ESB-2	38.85819517	120.02160914	Surveyed	1 ft.
ESB-3	38.85956555	120.01955093	Surveyed	1 ft.
EX-1	38.80300347	120.01496678	Surveyed	1 ft.
Glenwood Well #3	38.93021083	119.96286318	Surveyed	1 ft.
Henderson OW	38.83947140	120.02488426	Surveyed	1 ft.
Industrial Well #2	38.90244944	120.00839594	Surveyed	1 ft.
IW-1	38.85454253	120.01955268	Surveyed	1 ft.
Lily Ln-Deep	38.94199789	119.99102375	Surveyed	1 ft.
Lily Ln-Shallow	38.94199808	119.99102512	Surveyed	1 ft.
Martin Ave. Well	38.92113864	119.97461360	Surveyed	1 ft.
Ralph OW	38.92535292	119.95288053	Surveyed	1 ft.
Seneca OW	38.86729305	120.03190638	Surveyed	1 ft.
Sioux OW	38.85929897	120.01817452	Surveyed	1 ft.
SUT No.1	38.82239164	120.02168130	Surveyed	1 ft.
SW-1	38.85451434	120.01971651	Surveyed	1 ft.
Tata Lane Well #2	38.90748125	120.00549011	Surveyed	1 ft.
Tata Lane Well #3	38.90754721	120.00585776	Surveyed	1 ft.
USGS TCF-1-1	38.92376702	119.96812692	Surveyed	1 ft.
USGS TCF-1-2	38.92376598	119.96812789	Surveyed	1 ft.
USGS TCF-1-3	38.92376704	119.96812770	Surveyed	1 ft.
USGS TCF-1-4	38.92376616	119.96812719	Surveyed	1 ft.
USGS TCF-1-5	38.92376655	119.96812806	Surveyed	1 ft.
Washoan OW	38.89093162	119.98850802	Surveyed	1 ft.

Local Well Designation	Well Completion Type	Total Well Depth (feet)
Apache OW	Single Well	134
Blackrock Well #1	Single Well	180
CL-1	Single Well	115
CL-3	Single Well	50
Country Club Well	Single Well	197
DW-1	Single Well	268
Elks Club Well #1	Single Well	168
ESB-2	Single Well	233
ESB-3	Single Well	211
EX-1	Single Well	31
Glenwood Well #3	Single Well	192
Henderson OW	Single Well	210
Industrial Well #2	Single Well	190
IW-1	Single Well	151
Lily Ln-Deep	Part of a nested/multi-completion well	64
Lily Ln-Shallow	Part of a nested/multi-completion well	38
Martin Ave. Well	Single Well	250
Ralph OW	Single Well	295
Seneca OW	Single Well	180
Sioux OW	Single Well	198
SUT No.1	Single Well	262
SW-1	Single Well	40
Tata Lane Well #2	Single Well	193
Tata Lane Well #3	Single Well	225
USGS TCF-1-1	Part of a nested/multi-completion well	340
USGS TCF-1-2	Part of a nested/multi-completion well	260
USGS TCF-1-3	Part of a nested/multi-completion well	163
USGS TCF-1-4	Part of a nested/multi-completion well	140
USGS TCF-1-5	Part of a nested/multi-completion well	98
Washoan OW	Single Well	275

Local Well Designation	Well Completion Report #	Associated Basin	Associated Basin Portion	Well Location Description
Apache OW		6-5.01-Tahoe Valley South	south-central	12N/18E-29
Blackrock Well #1	33505	6-5.01-Tahoe Valley South	north-east	13N/18E-27
CL-1	535956	6-5.01-Tahoe Valley South	central	12N/18E-05
CL-3	535958	6-5.01-Tahoe Valley South	central	12N/18E-05
Country Club Well		6-5.01-Tahoe Valley South	south central	12N/18E-20P01
DW-1		6-5.01-Tahoe Valley South	south central	12N/18E-29
Elks Club Well #1	56760	6-5.01-Tahoe Valley South	central	12N/18E-21
ESB-2		6-5.01-Tahoe Valley South	south central	12N/18E-29
ESB-3		6-5.01-Tahoe Valley South	south central	12N/18E-29
EX-1		6-5.01-Tahoe Valley South	south	11N/18E-08
Glenwood Well #3	6492	6-5.01-Tahoe Valley South	east	12N/18E-02D3
Henderson OW		6-5.01-Tahoe Valley South	south	12N/18E-31
Industrial Well #2		6-5.01-Tahoe Valley South	central	12N/18E-08G02M
IW-1		6-5.01-Tahoe Valley South	south central	12N/18E-29
Lily Ln-Deep		6-5.01-Tahoe Valley South	north-central	13N/18E-32
Lily Ln-Shallow		6-5.01-Tahoe Valley South	north-central	13N/18E-32
Martin Ave. Well	115601	6-5.01-Tahoe Valley South	east	12N/18E-03B01M
Ralph OW		6-5.01-Tahoe Valley South	east	12N/18E-02B6
Seneca OW		6-5.01-Tahoe Valley South	west-south	12N-18E-19
Sioux OW		6-5.01-Tahoe Valley South	south central	12N/18E-29
SUT No.1	91552	6-5.01-Tahoe Valley South	south	11N/18E-05N1
SW-1		6-5.01-Tahoe Valley South	south central	12N/18E-29
Tata Lane Well #2		6-5.01-Tahoe Valley South	central	12N/18EA03M
Tata Lane Well #3		6-5.01-Tahoe Valley South	central	12N/18E-08A04M
USGS TCF-1-1		6-5.01-Tahoe Valley South	east	12N/18E-03
USGS TCF-1-2		6-5.01-Tahoe Valley South	east	12N/18E-03
USGS TCF-1-3		6-5.01-Tahoe Valley South	east	12N/18E-03
USGS TCF-1-4		6-5.01-Tahoe Valley South	east	12N/18E-03
USGS TCF-1-5		6-5.01-Tahoe Valley South	east	12N/18E-03
Washoan OW		6-5.01-Tahoe Valley South	central-south	12N/18E-16

Local Well Designation	Additional Comments	Is Voluntary Well	County
Apache OW		No	El Dorado
Blackrock Well #1	Artesian well	No	El Dorado
CL-1		No	El Dorado
CL-3		No	El Dorado
Country Club Well	Well screen liner; plugged at 197'	No	El Dorado
DW-1		No	El Dorado
Elks Club Well #1	Well screen liner; plugged at 143'	No	El Dorado
ESB-2		No	El Dorado
ESB-3		No	El Dorado
EX-1		No	El Dorado
Glenwood Well #3		No	El Dorado
Henderson OW		No	El Dorado
Industrial Well #2	Screen intervals inferred from well videoscans	No	El Dorado
IW-1		No	El Dorado
Lily Ln-Deep		No	El Dorado
Lily Ln-Shallow		No	El Dorado
Martin Ave. Well		No	El Dorado
Ralph OW	Screen interval inferred from well videoscans	No	El Dorado
Seneca OW		No	El Dorado
Sioux OW		No	El Dorado
SUT No.1		No	El Dorado
SW-1		No	El Dorado
Tata Lane Well #2		No	El Dorado
Tata Lane Well #3		No	El Dorado
USGS TCF-1-1		No	El Dorado
USGS TCF-1-2		No	El Dorado
USGS TCF-1-3		No	El Dorado
USGS TCF-1-4		No	El Dorado
USGS TCF-1-5		No	El Dorado
Washoan OW		No	El Dorado

Local Well Designation	Screen Interval 1 Top	Screen Interval 1 Bottom	Screen Interval 2 Top	Screen Interval 2 Bottom
Apache OW	112.500	134.000		
Blackrock Well #1	168.000	180.000		
CL-1	104.000	114.000		
CL-3	39.000	49.000		
Country Club Well	114.000	184.000		
DW-1	225.000	265.000		
Elks Club Well #1	110.000	142.000		
ESB-2	218.000	228.000		
ESB-3	196.000	206.000		
EX-1	6.000	21.000		
Glenwood Well #3	112.000	192.000		
Henderson OW	79.000	100.000	142.000	205.000
Industrial Well #2	40.000	92.000	97.000	107.000
IW-1	120.000	150.000		
Lily Ln-Deep	59.000	64.000		
Lily Ln-Shallow	35.000	37.500		
Martin Ave. Well	95.000	115.000	125.000	145.000
Ralph OW	28.000	237.000		
Seneca OW	60.000	91.000	133.000	175.000
Sioux OW	188.000	198.000		
SUT No.1	136.000	262.000		
SW-1	10.000	40.000		
Tata Lane Well #2	73.000	193.000		
Tata Lane Well #3	55.000	75.000	200.000	220.000
USGS TCF-1-1	325.000	335.000		
USGS TCF-1-2	245.000	255.000		
USGS TCF-1-3	158.000	163.000		
USGS TCF-1-4	130.000	135.000		
USGS TCF-1-5	88.000	93.000		
Washoan OW	102.000	144.000	165.000	186.000

Local Well Designation	Screen Interval 3 Top	Screen Interval 3 Bottom	Screen Interval 4 Top	Screen Interval 4 Bottom
Apache OW				
Blackrock Well #1				
CL-1				
CL-3				
Country Club Well				
DW-1				
Elks Club Well #1				
ESB-2				
ESB-3				
EX-1				
Glenwood Well #3				
Henderson OW				
Industrial Well #2	110.000	190.000		
IW-1				
Lily Ln-Deep				
Lily Ln-Shallow				
Martin Ave. Well	160.000	180.000	200.000	240.000
Ralph OW				
Seneca OW				
Sioux OW				
SUT No.1				
SW-1				
Tata Lane Well #2				
Tata Lane Well #3				
USGS TCF-1-1				
USGS TCF-1-2				
USGS TCF-1-3				
USGS TCF-1-4				
USGS TCF-1-5				
Washoan OW	207.000	228.000	249.000	270.000

ATTACHMENT B

South Tahoe Public Utility District

Static Water-Level Measurements for District Wells

Standard Operating Procedure (Example)

South Tahoe

Public Utility District

1275 Meadow Crest Drive
South Lake Tahoe, CA 96150
Telephone: (530)544-6474
Fax: (530)541-0614

STATIC WATER-LEVEL MEASUREMENTS FOR DISTRICT WELLS STANDARD OPERATING PROCEDURE (November 8th – November 10th, 2011)

REQUIRED TOOLS LIST

- Sockets/Ratchet
 - 1/2-inch
 - 9/16-inch
 - 3/4-inch
 - 15/16-inch
 - 1 1/8-inch
- Pipe Wrench
- Slot-Head Screwdriver
- Water-level Sounder
- Pick
- Snow Shovel
- Wire Brush
- Hand-Broom
- Gloves
- Spray Bottle
- Towels
- Rags

DAY 1 (Tuesday, November 8th, 2011)

1. If operating, turn-off the following wells for next-day static water-level measurements.

WELL	SHUT-OFF DATE/TIME
Bakersfield Well	
Arrowhead Well	
Airport Well	Stand-By Well – <i>Out of Service</i>
Valhalla Well	
Glenwood Well No. 5	
Industrial Well No. 2	Removed from Service - OW
Country Club Well	Removed from Service - OW
Martin Ave. Well	Removed from Service - OW
Blackrock Well No. 1	Removed from Service - OW
Blackrock Well No. 2	

DAY 2 (Wednesday, November 9th, 2011)

- 2.) Collect static water-level measurements from the following wells (minimum 12-hour recovery time)

WELL	DATE/ TIME	Depth to Water (feet)	Measuring Point	Turn-on Well Post Static DTW	NOTES
Apache Street Sentinel Well			Top of 2-inch PVC casing		
SW-1 (Arrowhead Monitoring Well)			Top of 4-inch PVC well casing		Arrwhd FF = 6343.00
IW-1 (Arrowhead Monitoring Well)			Top of 4-inch PVC well casing		PXD Station
DW-1 (Arrowhead Monitoring Well)			Top of 4-inch PVC well casing		Orig. = 6338.93
Arrowhead Well No. 3			Top of 1" sounding tube		
Sioux Street Sentinel Well			Top of 4-inch well casing		
ESB-3 Sentinel Well			Top of PVC well casing		Accessible (?)
ESB-2 Sentinel Well			Top of PVC well casing		PXD Station
Bakersfield Well			Top of PVC sounding tube		
Country Club Well (inactive)			Top of well casing		
Washoan Test Well			Top of 4-inch well casing		
Airport Well			Well house XD reading (PXD @ 200.47')		
Industrial Well No. 2			Well casing access port		
Tata Well No. 3 (OW)			Top of well casing		PXD Station
Tata Well No. 2 (inactive)			Top of sounding tube		
Clement Well (inactive)			Top of pitless unit flange.		

WELL	DATE/ TIME	Depth to Water (feet)	Measuring Point	Turn-on Well Post Static DTW	NOTES
CL-1 (Clement monitoring well)			Top of 2-inch PVC well casing		
CL-3 (Clement Monitoring well)			Top of 2-inch PVC well casing		
Martin Well (OW)			Top of PVC ST		
Glenwood Well No. 3 (OW)			Top of 4-inch casing.		PXD Station
Glenwood Well No. 5			Well house XD reading (PXD @ 161')		
Ralph Well			Top of casing flange (0.4' above ff elev.)		PXD Station
College Well			Top of 3-inch sounding tube		
USGS TCF-1			Top of PVC casing		
USGS TCF-2			Top of PVC casing		
USGS TCF-3			Top of PVC casing		PXD Station
USGS TCF-4			Top of PVC casing		
USGS TCF-5			Top of PVC well casing		
Blackrock Well No. 2 (in-active)			Top of PVC ST		
Blackrock Well No. 1 (OW)			Top of PVC ST		
Seneca Test Well			Top of 4-inch well casing		PXD Station
Valhalla Well			Well House XD Reading (PXD @ 65.71')		<i>TTA Combo. = 3185</i>

- 3.) Following the days static water level measurement collection, if operating, turn-off the following wells for next day static water-level measurements.

WELL	SHUT-OFF DATE/TIME
South Upper Truckee No. 3	
Mountain View Well	
Elks Club Well No. 2	
Helen Well No. 2	
Chris Well	
Paloma Well	
Bayview Well	
Al Tahoe Well No. 2	
Sunset Well	

DAY 3 (Thursday, November 10th, 2011)

- 4.) Collect static water-level measurements from the following wells (minimum 12-hour recovery time)

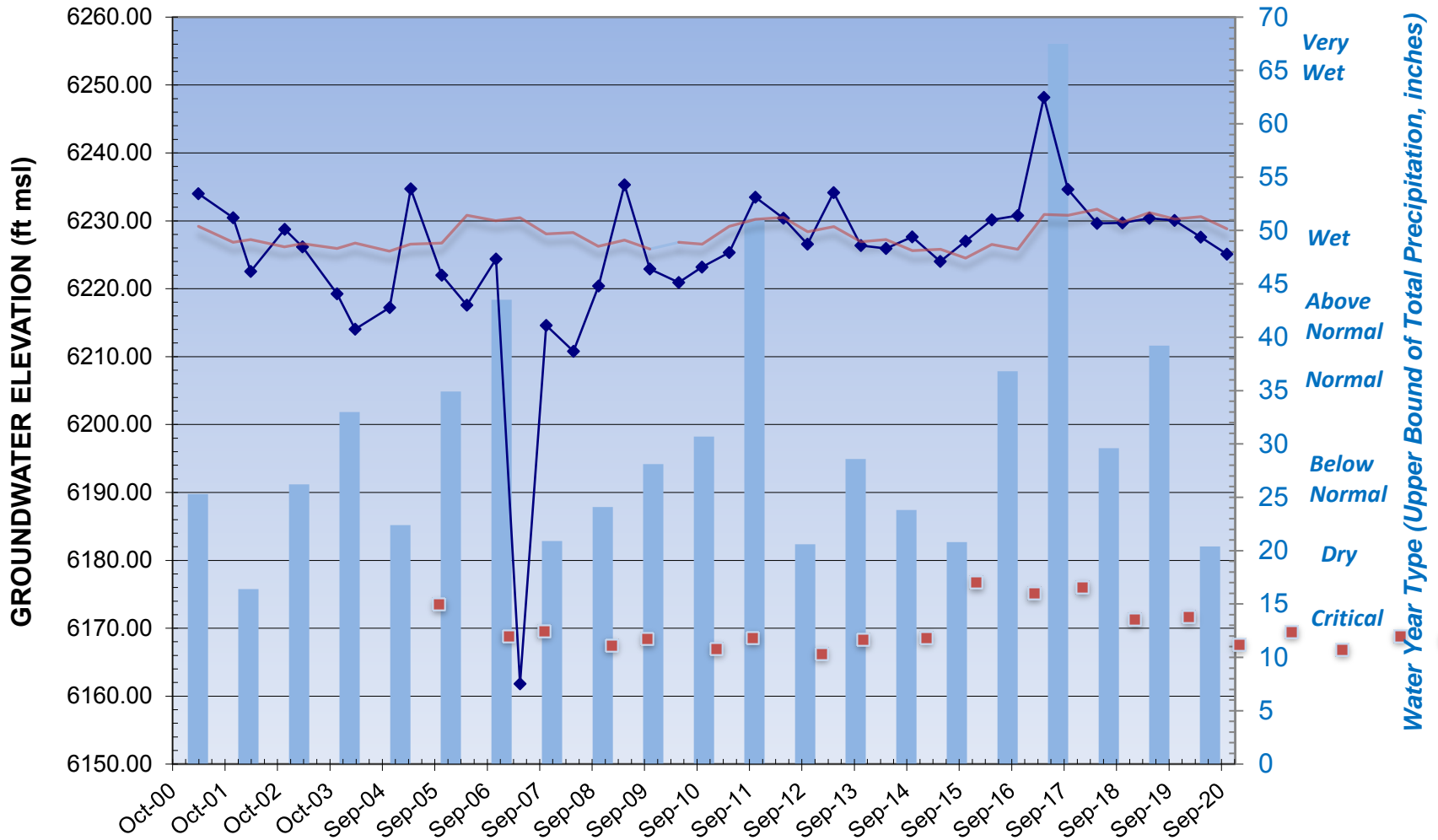
WELL	DATE/ TIME	Depth to Water (feet)	Measuring Point	Turn-on Well Post Static DTW	NOTES
Sunset Well			Top of ST		
Helen Well No.2			Top of PVC ST		
Chris Ave. Well			Top of ST		
Paloma Well			Top of ST		PXD Station
Al Tahoe Well No. 1 (OW)			Top of ST		Accessible (?)
Al Tahoe Well No. 2			Top of ST		
Bayview Well			Top of ST; PXD @ 169.65'		
Lilly - Deep			Top of 1" PVC Casing		
Lilly - Shallow			Top of 2" PVC Casing		PXD Station
South Upper Truckee Well No. 3			Top of 1 1/2" ST; PXD @ 124' below FF		FF=6401.75'
South Upper Truckee No. 1 - OW			Top of casing		FF=6401.75'
LPPS/ EX-1			Top of Well Casing		
Henderson Test Well			Top of Well Casing		PXD Station
Mtn. View Well			Top of 1-inch PVC ST		PXD= Q =
Elks Club Well No. 1			Top of ST		
Elks Club Well No. 2			Top of ST; PXD = 147'		

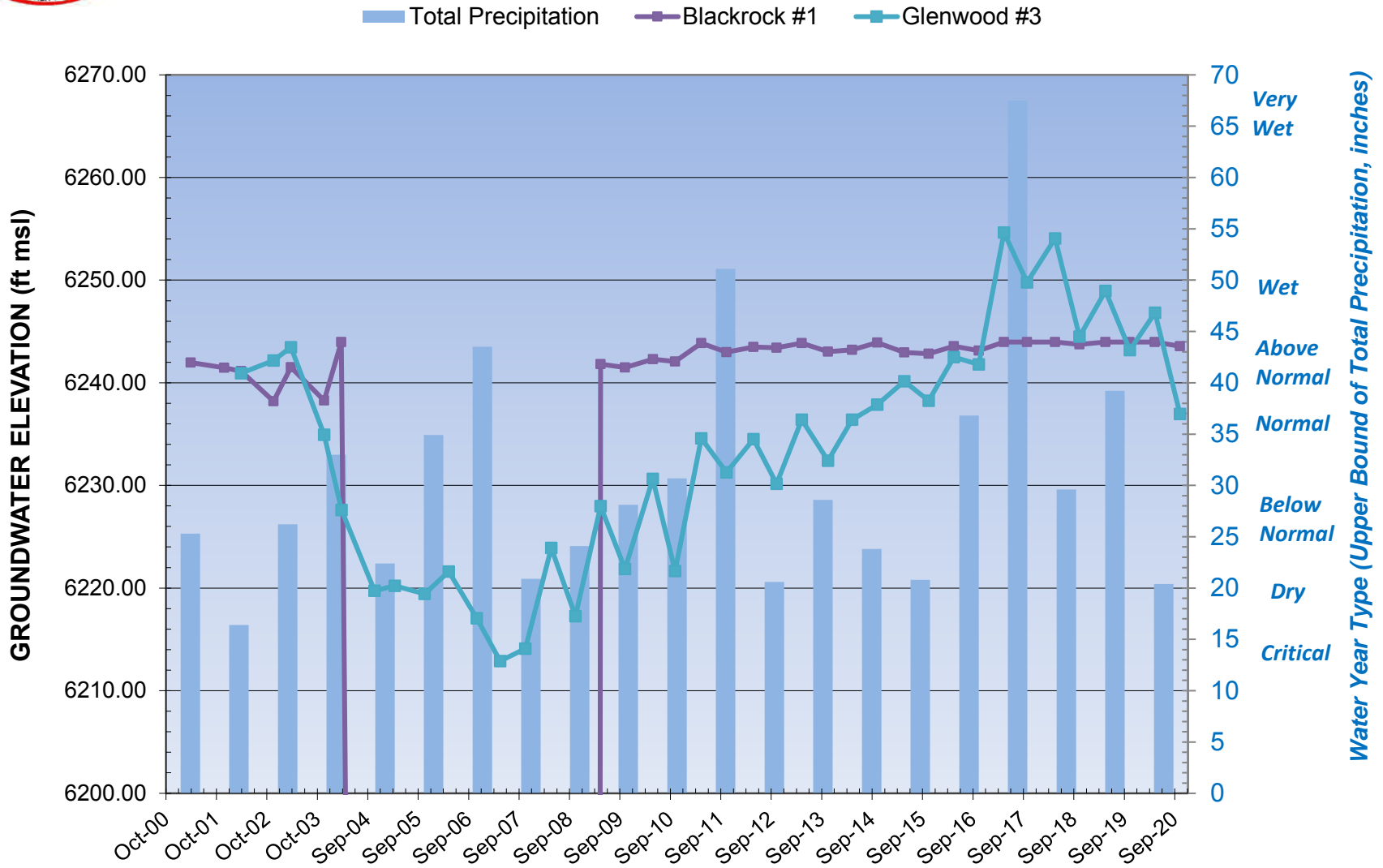
APPENDIX L

TVS Subbasin Hydrographs

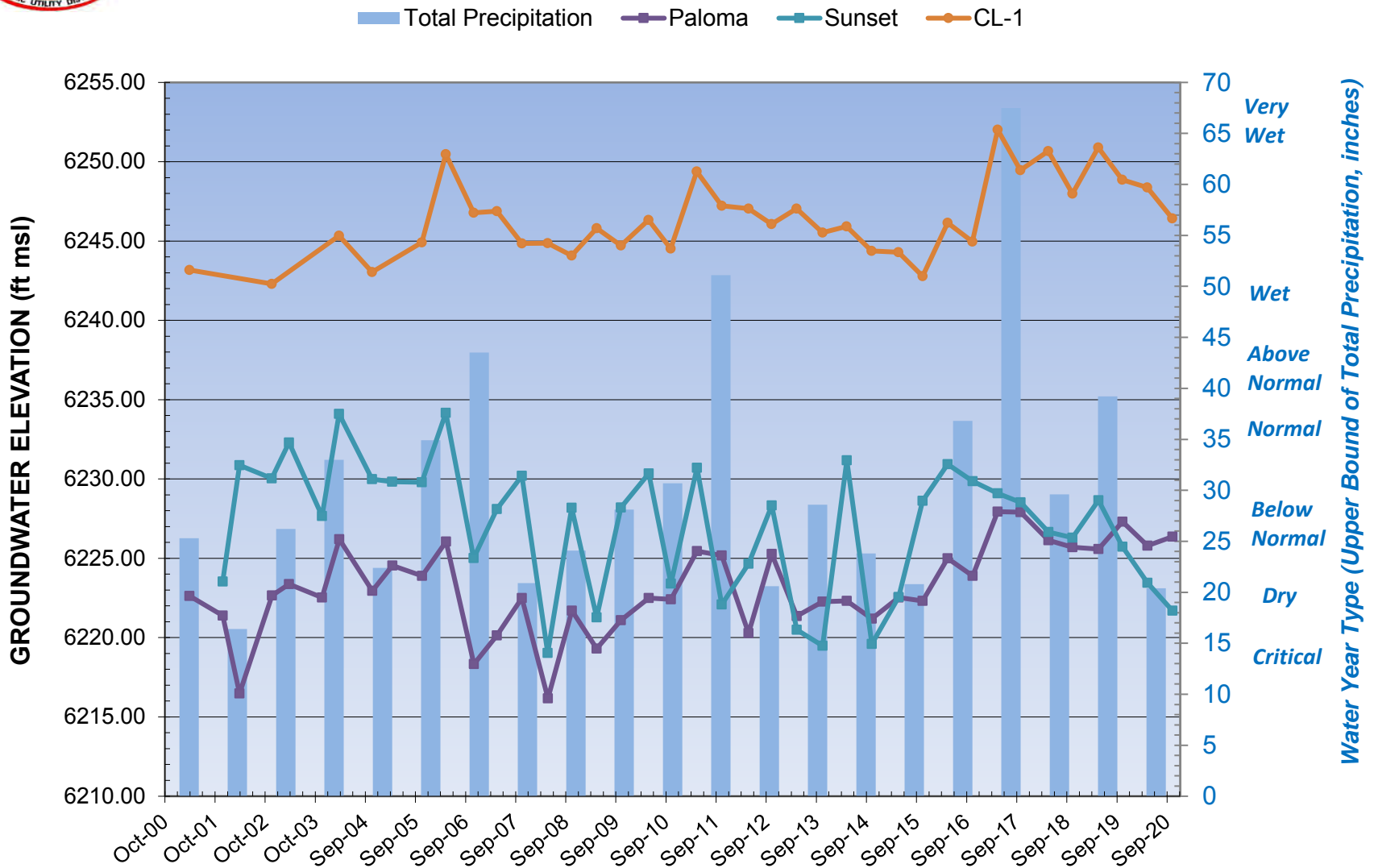


■ Total Precipitation
 ◆ Valhalla Well
 ■ Lake Tahoe





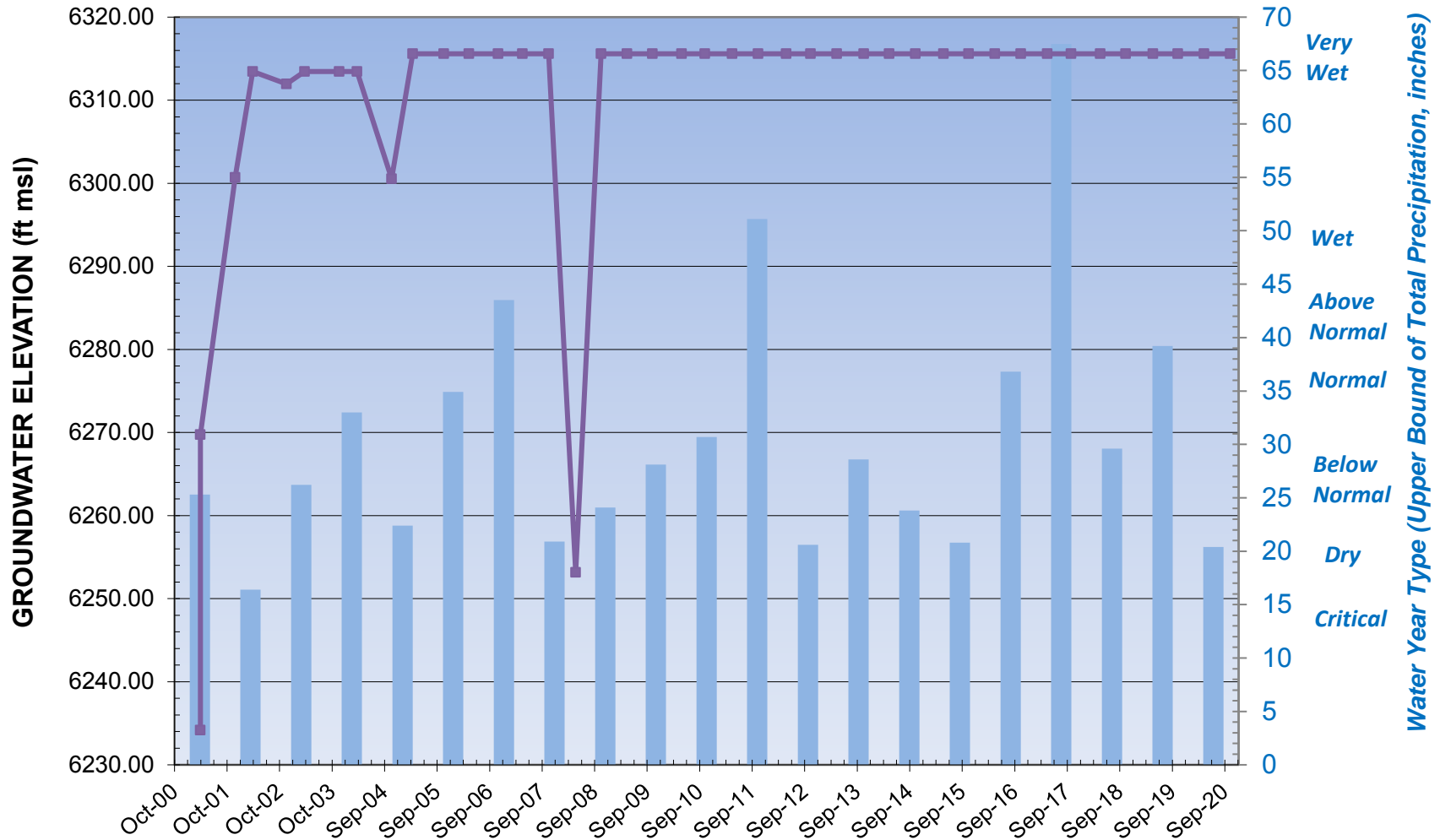
A-2. Bijou sub-area: Hydrographs for the Blackrock #1 (6241 feet msl) and Glenwood #3 (6,260 feet msl) wells.



A-3 South Lake Tahoe sub-area; Hydrographs for the Paloma (6,267 feet msl); Sunset (6,249 feet msl) and CL-1 (6,279 feet msl) wells.



■ Total Precipitation ■ Mountain View



A-4. Angora sub-area; Hydrograph for the Mountain View (6,313 feet msl), an artesian flowing well.

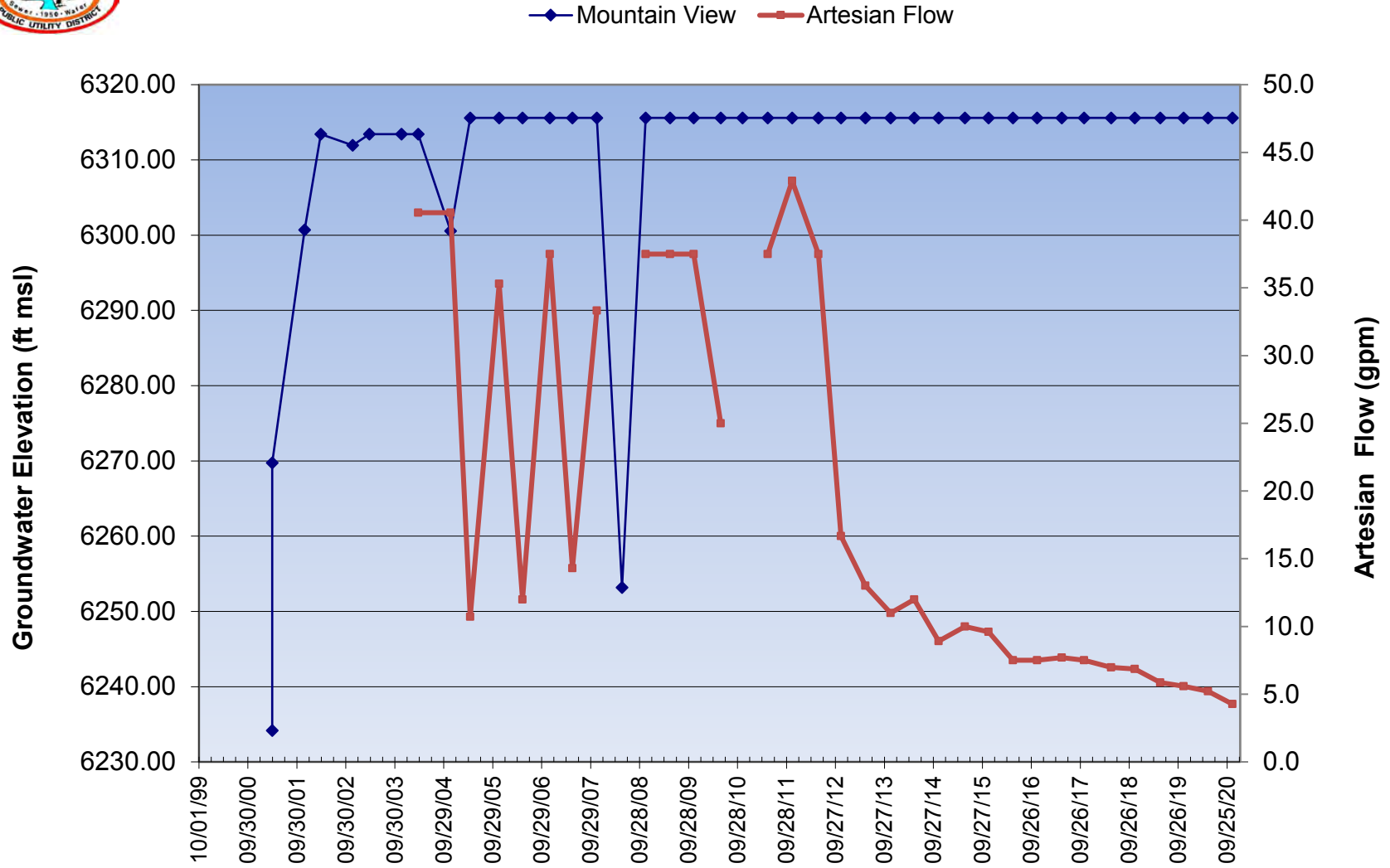
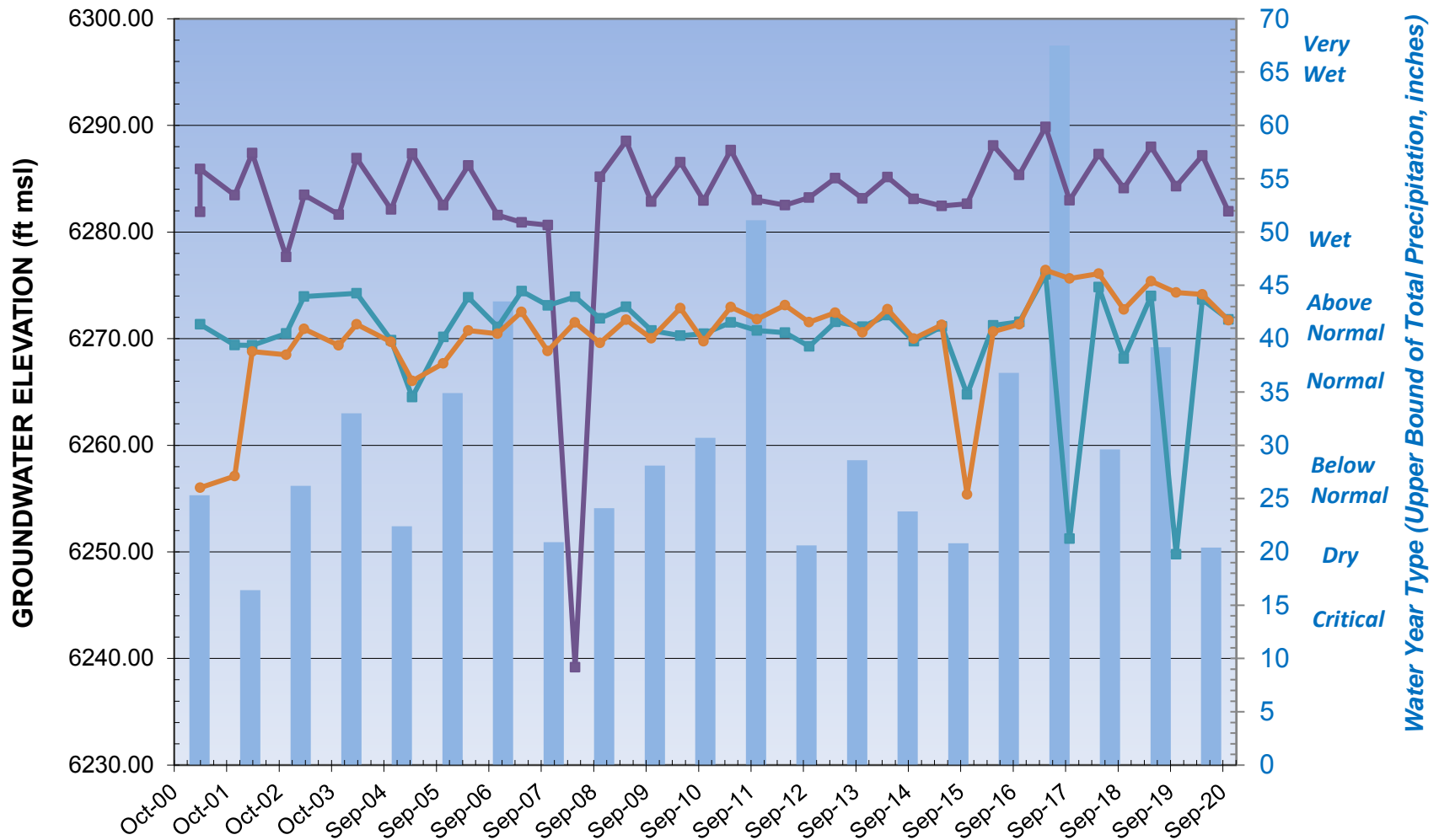


Figure 2-18. Groundwater hydrograph for the Angora Groundwater Area; Mountain View Well (6313.14 feet msl).



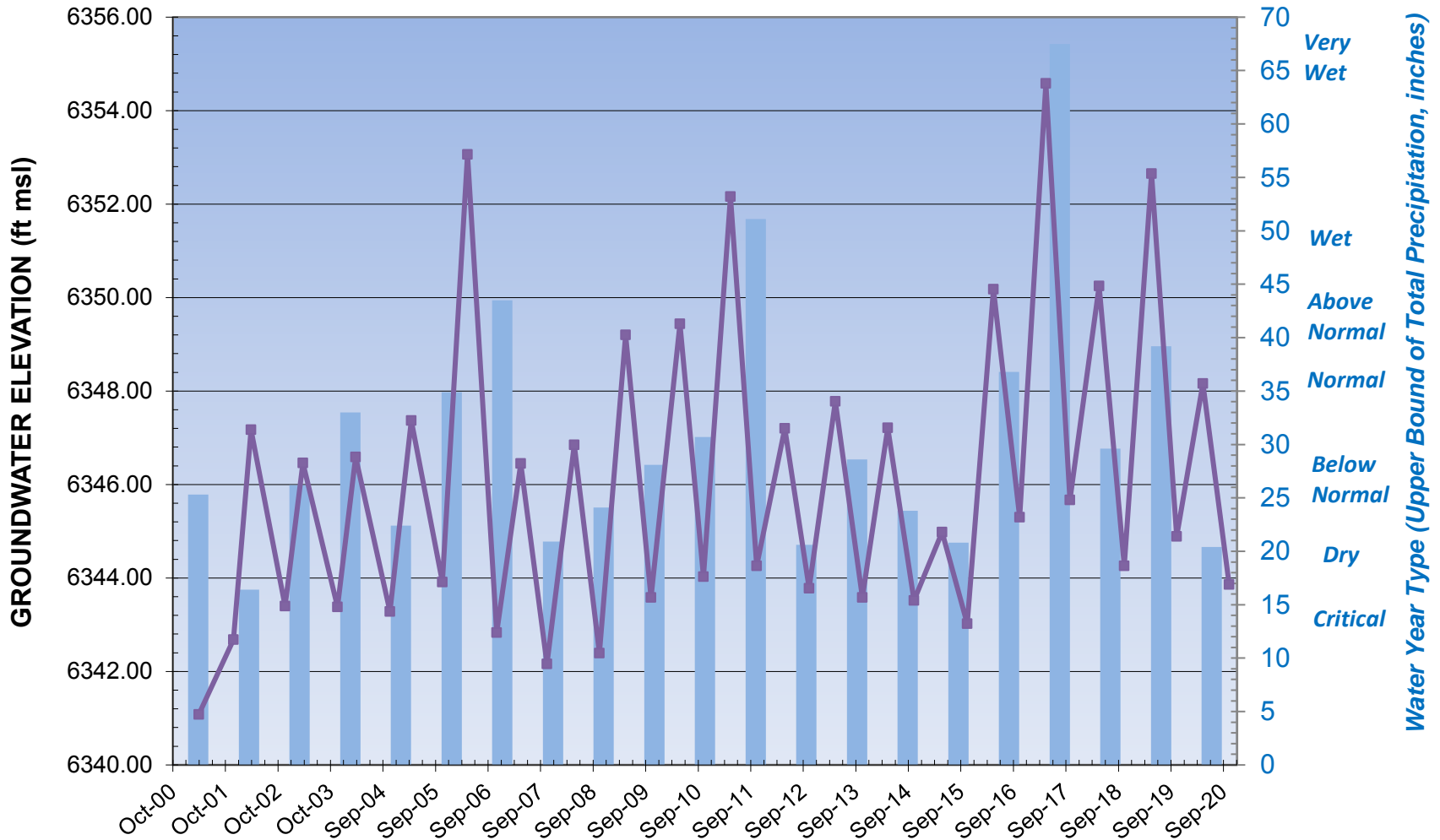
■ Total Precipitation
 ■ Bakersfield
 ■ Elks Club #1
 ■ Washoan



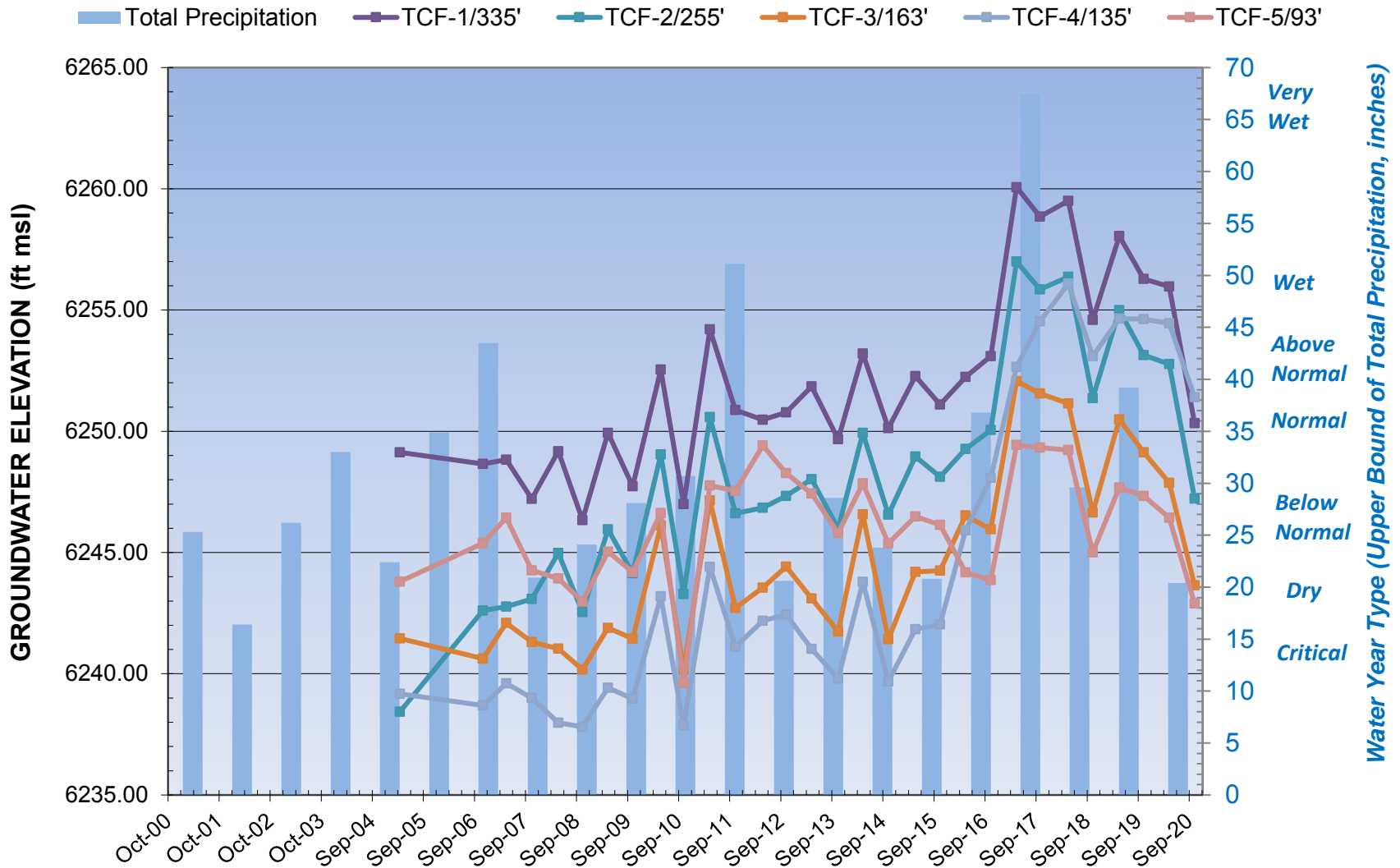
A-5. Meyers sub-area; Hydrographs for the Bakersfield (6,311 feet msl); Elks Club #1 (6,283 feet msl); and Washoan (6308 feet msl) wells. Pumping from a nearby well (Elks Club Well #2, 389 gpm) influenced the fall 2019 reading for the Elks Club Well.



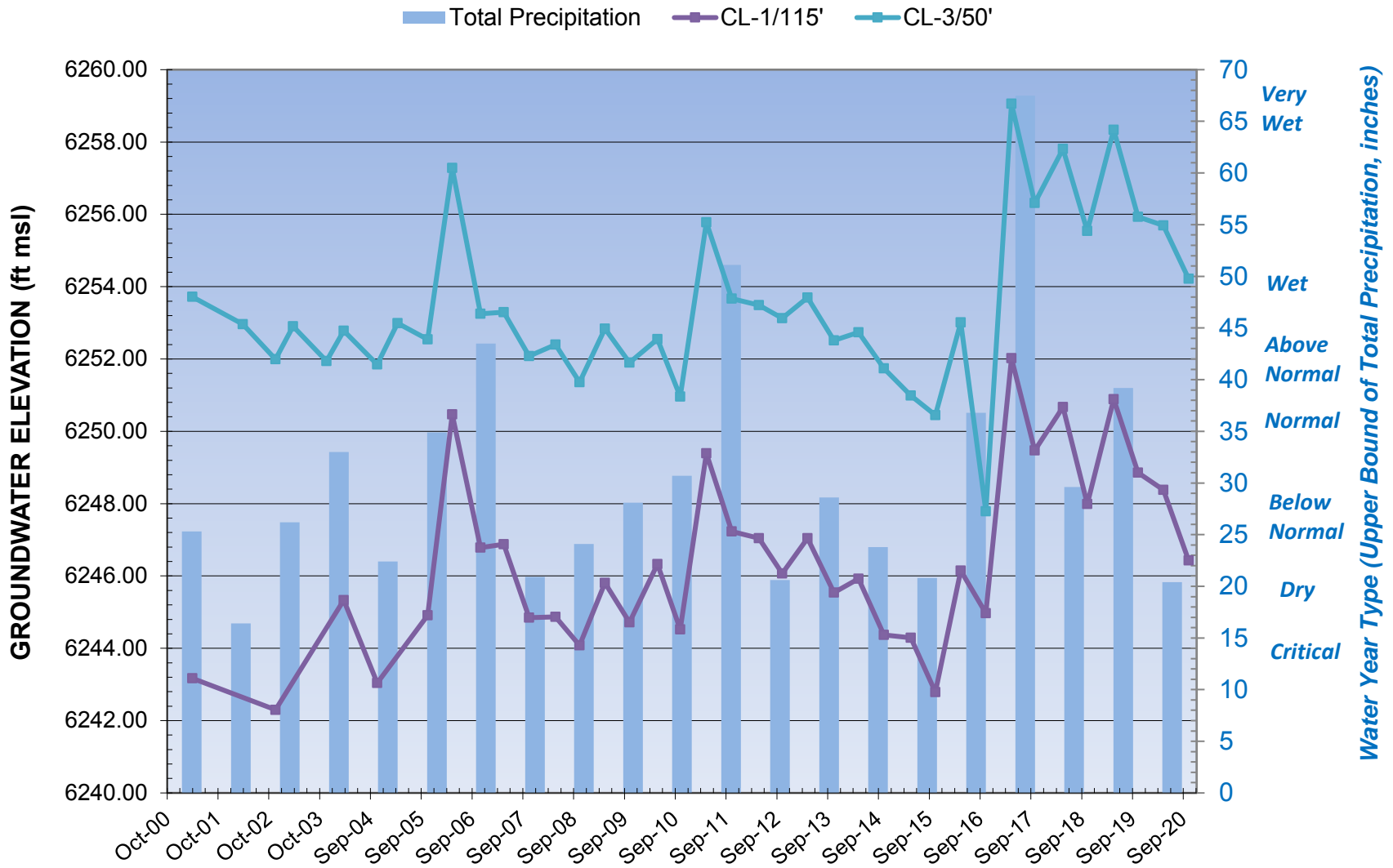
— Total Precipitation — Henderson



A-6. Christmas Valley sub-area; Hydrograph for the Henderson Well (6,366 feet msl).



A-7. South Lake Tahoe sub-area. Hydrograph for the USGS TCF nested well (6,296 feet msl); total well depths for observation wells completed within the borhole are as indicated.



APPENDIX M

2021 Implementation Plan

BASIN MANAGEMENT OBJECTIVE	ON-GOING	SHORT-TERM (next 5 Years)	LONG-TERM (> 5 Years)
<p><u>BMO #1: Maintain a sustainable long-term Groundwater Supply</u></p> <p><u>SMC 1 – Chronic Lowering of Groundwater Levels</u></p> <p><u>SMC 2 – Significant and unreasonable reduction of groundwater storage</u></p> <p><u>SMC5- Significant and unreasonable land subsidence</u></p>	<ul style="list-style-type: none"> • Monitor monthly precipitation measured at the Hagans Meadow (SNOTEL 508) weather station to characterize Water Year type and monitor precipitation trends for the TVS Subbasin. • Monitor groundwater pumpage from CWS wells within the District, TKWC, LBWC and LPA water systems. • Monitor groundwater levels in accordance with the Groundwater Elevation Monitoring Plan and fulfill Monitoring Entity requirements under the California Statewide Groundwater Elevation Monitoring Program (CASGEM). • Update the South Tahoe Groundwater Model on an annual basis to monitor changes in groundwater recharge, baseflow and groundwater in storage. • Monitor groundwater pumpage and groundwater levels to identify potential conditions that could lead to chronic lowering of groundwater. • Monitor precipitation, groundwater recharge and storage to identify potential conditions that could lead to significant and unreasonable reductions in groundwater storage. • Monitor the location and use of groundwater sources. • Monitor water demand projections in the District’s Urban Water Management Plan (UWMP) to ensure that they align with water demand projections in the Groundwater Management Plan. • Support water conservation measures in accordance with the Districts Water Shortage Contingency Plan (WSCP). 	<ul style="list-style-type: none"> • Maintain the South Tahoe Groundwater Model • Transition reporting of groundwater elevation data from the CASGEM Program to SGMA. • Monitor the occurrence of dry wells reported to the DWR Household Water Supply Shortage System in the TVS Subbasin. • Prepare update procedure guidelines and project workbooks for annual Water Supply and Demand Assessment (WSDA) reporting using the water budget derived from the South Tahoe Groundwater Model to satisfy new Urban Water Management Plan (UWMP) program requirements. • Conduct periodic review of groundwater conditions and chronic lowering, reduction of groundwater in storage and land subsidence sustainability indicator assessments. 	<ul style="list-style-type: none"> • Monitor long-term changes in population growth and groundwater pumpage compared to future projections of water demand. • Monitor long-term changes in precipitation, groundwater recharge and lake level compared to future projections of hydrologic impacts due to climate change. • Support the planning and development of new groundwater sources to maintain a sustainable water supply
<p><u>BMO #2: Maintain and Protect Groundwater Quality</u></p> <p><u>SMC 4 – Significant and unreasonable degraded water quality</u></p>	<ul style="list-style-type: none"> • Encourage the prompt remediation of contaminant plumes which threaten or impair groundwater sources. • Support the investigation and removal of PCE contamination from source areas, with emphasis on the Tucker Avenue Stormwater Retention Basin. • Review groundwater quality data and monitor the progress of groundwater cleanup at active groundwater contamination sites. • Monitor the migration of contaminant plumes and the impairment of water quality at groundwater sources. • Track community water systems (District, TKWC, LBWC and LPA) source capacities and maximum day demands to identify 	<ul style="list-style-type: none"> • Reconsider the need for refining the South Y PCE Model using new data collected during the Regional Plume Investigation. • Consider the types and frequency of groundwater quality data collected by local groundwater-related agency programs and interest in a shared interagency database. • Support the investigation of the occurrence of inorganic contaminants with emphasis on arsenic, iron and manganese in groundwater sources. 	<ul style="list-style-type: none"> • Consider methods and plans to evaluate potential water quality impacts from wildfire. • Assess the effects of changes to drinking water standards on groundwater supply. • Take action if a new or uncontrolled groundwater quality issue is found by review of monitoring data. • Implement emergency action if groundwater quality presents clear and immediate threat to District’s water supply and infrastructure. • Support the planning, construction and operation of water treatment facilities for the removal of

BASIN MANAGEMENT OBJECTIVE	ON-GOING	SHORT-TERM (next 5 Years)	LONG-TERM (> 5 Years)
	<p>conditions that could lead to significant and unreasonable impacts from degraded water quality.</p> <ul style="list-style-type: none"> Practice well construction and abandonment methods in accordance with El Dorado County and State standards. Implement the District’s Groundwater Ordinance to address groundwater quality Issues. Maintain the District’s MtBE Policy 	<ul style="list-style-type: none"> Support the investigation of the occurrence of radionuclide contaminants with emphasis on gross-alpha particle activity and uranium in groundwater sources. Encourage actions to prevent the contamination of groundwater by infiltrated stormwater through the Tucker Avenue Stormwater Retention Basin. Monitor changes in response levels and drinking water standards for emerging contaminants with particular attention to perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS). Work with LRWQCB to identify sentinel wells constructed as part of the SCAP Regional Plume Investigation for potential use in the TVS Subbasin Monitoring Network. Monitor the presence of PFOA and PFOS detected in groundwater samples collected at the Meyers Landfill site in the Myers subarea. Consider preliminary modeling evaluation of contaminant loading from source areas identified by LRWQCB within the South Y area and from the Meyers Land Fill site on active drinking water wells and on potential future District well sites. Consider the results of investigation to determine the presence of PFAS substances at the District WWTP. Conduct periodic review of groundwater quality conditions and degraded water quality sustainability indicator assessments. 	<p>contaminants from groundwater used for drinking water purposes.</p>
<p><u>BMO #3: Strengthen Collaborative Relationships</u></p>	<ul style="list-style-type: none"> Continue to identify and endorse the use of appropriate funding opportunities to remove and manage PCE groundwater contamination within the TVS Subbasin. Review Private Well Owner Survey results to identify 	<ul style="list-style-type: none"> Work with El Dorado County to identify individual water system owners interested in existing programs to strengthen resilience. Organize a SAG workshop on water security 	<ul style="list-style-type: none"> Consult with regulatory agencies on remediation and closure of contaminated sites Facilitate data sharing with other public agencies Develop processes for supporting grant funding

BASIN MANAGEMENT OBJECTIVE	ON-GOING	SHORT-TERM (next 5 Years)	LONG-TERM (> 5 Years)
	<p>individual well owners interested in participating on the SAG.</p> <ul style="list-style-type: none"> Consider a third phase of survey as outreach to individual water system owners. Develop relationships with the CSLT Multicultural Commission and DAC well owners. Continue collaboration with the SAG Continue to maintain an Interested Parties List. 	<p>and water supply reliability.</p> <ul style="list-style-type: none"> Organize a SAG workshop on best practices – water well maintenance Work with Environmental Improvement Project (EIP) managers to identify existing wells that may be used to monitor long-term changes in ground water levels within groundwater dependent ecosystems (GDEs). Participate in IRWMP Process Collaborate with local Storm Water Managers to develop outreach materials highlighting the detrimental impact of illicit discharges to storm water systems on groundwater. Add an individual water system owner to the SAG. 	<p>applications requiring GSA support.</p> <ul style="list-style-type: none"> Support inter-agency efforts to update and maintain the regional coupled surface water groundwater model (GSFLOW) for the Lake Tahoe Basin using upcoming 5th Generation Global Climate Models to assess potential climate change impacts.
<p><u>BMO #4: Integrate groundwater quality protection into local land use planning activities</u></p> <p><u>SMC 4 – Significant and unreasonable degraded water quality</u></p>	<ul style="list-style-type: none"> Monitor the location of Potential Contaminating Activity (PCA) sites and maintain the TVS Subbasin Drinking Water Source Assessment and Protection (DWSAP) map. Coordinate with other agencies for monitoring and assessment of storm water management projects on groundwater quality. Acknowledge Section 4 of the EDWA Water Resource and Development Plan in the Alternative Plan. 	<ul style="list-style-type: none"> Strengthen relationships with Stormwater Program Managers to prevent illicit discharges to stormwater systems 	<ul style="list-style-type: none"> Consider Indicators, Interim Targets, Major Evaluation Intervals and Compliance Measures established for the Tahoe Basin under Chapter 16 TRPA Regional Plan when reviewing sustainability goals, indicators, and minimum thresholds.
<p><u>BMO#5: Assess the interaction of water-supply activities with environmental conditions</u></p> <p><u>SMC 6 – Significant and unreasonable depletions of interconnected surface waters.</u></p>	<ul style="list-style-type: none"> Consider the recommendation from the Alternative Plan to establish a Management Area to prevent the possible depletion of interconnected surface waters by groundwater pumping. Monitor groundwater levels to identify potential conditions that could lead to significant and unreasonable land subsidence. 	<ul style="list-style-type: none"> Monitor streamflow from the Upper Truckee River to detect possible depletion of interconnected surface water. Evaluation of potential locations for monitoring the impact of groundwater withdrawals on interconnected surface waters, with special emphasis on Groundwater Dependent Ecosystems (GDEs). Work with Environmental Improvement Project (EIP) managers to identify existing wells that may be used to monitor long-term changes in ground water levels within groundwater dependent ecosystems (GDEs). Support research quantifying water use by 	<ul style="list-style-type: none"> Support stream restoration efforts that demonstrate measurable benefit to groundwater replenishment and GDEs. Refine monitoring protocols to detect potential changes in baseflow and GDEs due to groundwater pumping. Define costs to add a Streamflow monitoring station for the collection of data needed to monitor for the depletion of interconnected surface water.

BASIN MANAGEMENT OBJECTIVE	ON-GOING	SHORT-TERM (next 5 Years)	LONG-TERM (> 5 Years)
		GDEs. <ul style="list-style-type: none"> Identify ways to assess stream restoration projects in terms of measurable benefit to groundwater replenishment and GDEs. 	
<u>BMO#6: Convene an on-going Stakeholders Advisory Group (SAG) as a forum for future groundwater issues</u>	<ul style="list-style-type: none"> Host SAG meetings starting in 2022. Facilitate interagency collaboration and data sharing 	<ul style="list-style-type: none"> Define role of the SAG in assessing groundwater supply and groundwater protection issues Participate in regional efforts to assess climate change impacts within the Lake Tahoe Basin 	<ul style="list-style-type: none"> Develop regional support for groundwater projects
<u>BMO #7: Conduct Technical Studies to assess future groundwater needs and issues</u> <u>SMC 1 – Chronic Lowering of Groundwater Levels</u> <u>SMC 2 – Significant and unreasonable reduction of groundwater storage</u> <u>SMC 4 – Significant and unreasonable degraded water quality</u> <u>SMC 6 – Significant and unreasonable depletions of interconnected surface waters</u>	<ul style="list-style-type: none"> Continue to actively maintain and update the South Tahoe Groundwater Model to inform implementation of groundwater management activities. Monitor changes in California Groundwater Law. 	<ul style="list-style-type: none"> Monitor degraded water quality in the South Y Regional Plume and near the Meyers Landfill. Investigate the occurrence of perfluorooctanoic PFOA and PFOS in stormwater within the TVS Subbasin. Investigate the impact of wildfire on groundwater recharge within the TVS Subbasin. 	<ul style="list-style-type: none"> Support future groundwater studies within the TVS Subbasin.
<u>BMO #8: Identify and obtain funding</u>	<ul style="list-style-type: none"> Continue to fund groundwater management activities in 	<ul style="list-style-type: none"> Define projects that could be eligible for 	<ul style="list-style-type: none"> Develop background and supporting materials in

BASIN MANAGEMENT OBJECTIVE	ON-GOING	SHORT-TERM (next 5 Years)	LONG-TERM (> 5 Years)
<u>for groundwater projects</u>	partnership with EDWA through the Cost Share Grant Program. <ul style="list-style-type: none"> Define projects that could be eligible for Proposition 1 Groundwater Cleanup Program Implementation Grant Funding for the management of groundwater resources impacted by PCE contamination in the South Y Area. Continue to consider data gaps identified in the Groundwater Monitoring Network and potential need for funding construction of new shallow groundwater monitoring wells. 	Proposition 68 SGM Grant Program Funding. <ul style="list-style-type: none"> Support projects quantifying the groundwater needs of GDEs that may be applied to the TVS Subbasin. Support funding of inter-agency efforts to revise the regional GSFLOW model for the Lake Tahoe Hydrologic Basin using updated Global Climate Models to refine estimates of recharge in the South Tahoe Groundwater Model. 	support of technical proposals for groundwater-related projects within the TVS Subbasin.

356.4	Five Year Plan Assessment Components	SECTION(s)
	Submission of Five-Year Plan Assessment. Agency must provide written assessment of Plan to DWR every five years (or whenever amended) regarding whether Plan implementation meeting sustainability goal.	
(a)	Description of Groundwater Conditions. Description of current groundwater conditions for each applicable sustainability indicator, relative to measurable objectives, interim milestones, and minimum thresholds.	
(b)	Description of Plan Implementation. Description of implementation of any projects and/or management actions and effect of their effect on groundwater conditions.	
(c)	Revisions to Plan Elements. Proposed revisions to of Plan elements, including the following: <ul style="list-style-type: none"> • Basin setting • Management areas • Identification of undesirable results • Establishment of minimum thresholds Establishment of measurable objectives	
(d)	Re-Evaluation of Basin Setting. Evaluation of basin setting in light of significant new information or changes in water use and explanation of any significant changes	

356.4	Five Year Plan Assessment Components	SECTION(s)
(e)	Description of Monitoring Network. Description of monitoring network, including description of data gaps and any areas within basin that do not satisfy requirements of 23 CCR 352.4 and 23 CCR 354.34(c).	
(e)(1)	Assessment of Monitoring Network. Assessment of monitoring network function, including the following: <ul style="list-style-type: none"> • Analysis of data collected to date • Identification of data gaps Actions necessary to improve monitoring network	
(e)(2)	Strategy to Remedy Data Gaps. Description of program to remedy data gaps (as applicable), including an estimate of timing for acquisition of additional data sources and for incorporation of new information into Plan.	
(e)(3)	Prioritization of New Data Collection Facilities. Prioritization of installation of new data collection facilities and analysis of new data.	
(f)	Description of Significant New Information. Description of significant new information and whether new information warrants changes to any aspects of Plan (i.e., basin setting, measurable objectives, minimum thresholds, and criteria for defining undesirable results).	
(g)	Description of Agency Actions. Description of relevant actions taken by Agency, including summary of Plan-related regulations/ordinances.	
(h)	Summary of Enforcement or Legal Actions. Summary of any enforcement or legal actions taken by Agency in furtherance of sustainability goal.	
(i)	Description of Plan Amendments. Description of completed and/or proposed Plan amendments.	
(j)	Summary of Inter-Agency Coordination. Summary or coordination between multiple agencies within a single basin, agencies in hydrologically connected basins, and land use agencies.	

South Tahoe Public Utility District
Alternative Plan for Tahoe Valley South Subbasin (6-005.01)
First Five-Year Update
Appendix O - Component requirements of Five-Year Plan Assessment (§356.4).

356.4	Five Year Plan Assessment Components	SECTION(s)
(k)	Additional Information. Additional information Agency deems appropriate.	

APPENDIX N

Summary of Comments and Responses

#	By	Section /Figure /Table	Page #	Comment	Response
1	TRPA (JS)	Fig. 2-14 SEZs		What data used to show TRPA delineated SEZs in Figure 2-14 on pg 64 or 305? Was Lidar used? If using land capability mapping, then need to include a sentence specifying that information is mapped only and requires verification at the parcel scale. Delete the term “delineated”.	Change Figure 2-14 caption to: Stream Environment Zones as mapped by the Tahoe Regional Planning Agency using land capability. Mapping is for general use only, requiring verification at the individual parcel scale.
2	TRPA (JS)	3.3.3-3.3.5		Overview of private wells and water systems and Truckee River Operating Agreement (TROA) water use estimates. No comments.	
3	TRPA (JS)	4.1.1		Land use planning and coordination on the Regional Plan to protect groundwater – will provide TRPA update Source Water Protection data/mapping for Regional Plan updates; • Refers to coordination during the regional plan update. We might want to define this exchange of information: is it sent to TRPA after the finalization of this document? On request of TRPA at the time of update? These data could also be useful in planning and implementing the EIP as well.	Revised language added to Section 4.1.1. Historical issues have demonstrated the vulnerability of the aquifer in TVS Subbasin. <i>Relict contamination from historic releases of tetrachloroethylene (PCE) have impaired drinking water wells within the TVS Subbasin which is believed to be derived from the past use of this solvent at former commercial facilities dating back to the mid 1970’s (LRWQCB, 2017). In the 1990s and early 2000s, releases of fuel hydrocarbons and Methyl tert-Butyl Ether (MtBE) from leaking underground tanks at gasoline stations resulted in several of the District’s groundwater supply wells having to be taken offline when contamination levels exceeded drinking water standards. Contamination from the past use of both of these chemicals within the TVS Subbasin has resulted in a loss of the beneficial use of portions of the aquifer and caused water purveyors to incur additional costs for added</i>

#	By	Section /Figure /Table	Page #	Comment	Response
					<i>treatment to remove these contaminants or the replacement of impacted wells.</i>
4	TRPA (JS)	4.1.2		Land use planning and coordination on the Regional Plan to protect groundwater – will provide TRPA update Source Water Protection data/mapping for Regional Plan updates <ul style="list-style-type: none"> • Refers to coordination during the regional plan update. We might want to define this exchange of information: is it sent to TRPA after the finalization of this document? On request of TRPA at the time of update? These data could also be useful in planning and implementing the EIP as well. 	"...that can be incorporated into the current TRPA planning, permitting and inspection process. <i>Copies of these maps will be provided to the TRPA, El Dorado County, CSLT and LRWQCB following final adoption of this Alternative Plan. The USFS...</i> "
5	TRPA (JS)	4.1.3		Suggested info sharing to protect groundwater quality. No comments.	
6	TRPA (JS)	4.3.6		Covers TRPA. States thresholds are “growth control mechanisms” for Lake Tahoe. <ul style="list-style-type: none"> • The regional plan update defines the thresholds as “environmental standards for the region” which “indirectly define the capacity of the Region to accommodate additional development.” • On pg 105 of 305, section should include reference to TRPA Rules of Procedure with “other administrative manuals”... 	<i>...Under the Compact, environmental threshold are environmental standards necessary to maintain significant scenic, recreational, educational, scientific, or natural values of the Region or to maintain public health and safety within the Region, including but not limited to standards for air quality, water quality, soil conservation, vegetation preservation, and noise. The 2012 Regional Plan defines thresholds as “environmental standards for the region” which “indirectly define the capacity of the Region to accommodate additional development” (TRPA, 2012). ...</i>
7	TRPA (JS)	4.3.8		USFS cooperates and jurisdiction overlaps with TRPA. No comments	

#	By	Section /Figure /Table	Page #	Comment	Response
8	TRPA (JS)	4.4.4		<p>Lake Tahoe TMDL</p> <ul style="list-style-type: none"> • Pg 112 of 305, end of first paragraph should reference the existing Lake Clarity Tracker on LT info: https://clarity.laketahoeinfo.org/ and delete sentence saying a program to track and report is in development. • Table 4-2 – pg 115 of 305. EIP ID#s are not up to date. Reference the EIP project tracker on LTinfo: https://eip.laketahoeinfo.org/ . Maybe keep a static list with a date downloaded with a link to EIP tracker. 	<p>...with the Nevada Division of Environmental Protection (NDEP), the LRWQCB <i>has developed a detailed TMDL accounting, tracking, and reporting program that provides for regular TMDL progress assessment and adaptive management. This information is provided through the Lake Clarity Tracker which is the central hub for information related to the Lake Tahoe TMDL Program (https://clarity.laketahoeinfo.org/).</i></p> <p>Removed Figure 4-1 and replaced Table 4-2 with list showing number of projects by watershed for each of the seven priority watersheds located within the South Lake Tahoe area, as of January 31, 2022. Referenced reader to https://eip.laketahoeinfo.org/ for detailed project descriptions.</p> <p>Incorporated paragraph describing stream restoration projects for the Upper Truckee River into previous Section 4.4.5 to eliminate Section 4.4.5.1.</p>
9	TRPA (JS)	4.5		<p>Total annual allocation of 23,000AF of water is upper limit for pumping from groundwater basin. Water budget. Considers export of effluent out of basin and Porter Cologne Act. 50 year projected need of 11,709AF is less than half of what available. No comments.</p>	
10	TRPA (JS)	6.3		<p>Groundwater Quality Issues. No comments.</p>	

#	By	Section /Figure /Table	Page #	Comment	Response
11	TRPA (JS)	6.4		Groundwater Vulnerability Assessment. Interesting analysis. Maps of recharge areas and vulnerability areas could be useful in planning scaled site improvements. No Comments.	
12	TRPA (JS)	7.2.1.1		Site inspections. “TRPA BMP Parcel...Program could be used to collect this information.” It may be better to collect these data from permit applications rather than BMP inspections.	... Private wells do not require operating permits or reporting; therefore, information on operational status is very limited along with the overall condition of the wellhead. <i>TRPA Best Management Practice (BMP) Parcel permit applications, County well permit applications and County Small Water System Program</i> inspections could be used to collect operational status information and build on the private well use and wellhead conditions data collected during the well owner’s surveys. Building the private well inventory for domestic wells could be added to the EDC County Water Well Program for continued use in the Alternative Plan.
13	TRPA (JS)	7.2.2		Coordination with Land Use Planning Agencies. STPUD groundwater vulnerability map and regular update. No comments.	
14	TRPA (JS)	7.3.1		Future SAG Topics. Like the item on climate impacts. No comments.	
15	TRPA (JS)	8		Characterization of Undesirable Results. Establishes minimum thresholds to characterize undesirable results: maintaining groundwater levels (based on existing screen intake), maintaining groundwater quality (based on MDD), interaction of water supply and environmental conditions (based on discharge). Seawater and subsidence insignificant. No comments.	

#	By	Section /Figure /Table	Page #	Comment	Response
16	TRPA (JS)	10.2		Funding the Alternative Plan. GMP budget from enterprise fund, EDWA cost share grant program, state grants. GSA may raise funds through SGMA fees. Does the District anticipate imposing fees? No comments.	
17	CSLT (JB)	Fig. 2-14		SEZ delineated vs. mapped, defer to TRPA comments, but delineated SEZ has not been mapped or approved by TRPA Board, these appear to be mapped SEZ land capability areas. The term ‘delineated SEZ’ is done on a parcel scale and there is no map of delineated SEZ areas adopted. I suggest using the term ‘mapped SEZ’, as delineated SEZ has significant repercussions for private property owners related to severe restrictions on building and land coverage within formally delineated SEZ areas.	Changed Title to: Stream Environment Zones as mapped by the Tahoe Regional Planning Agency using land capability. Mapping is for general use only, requiring verification at the individual parcel scale.
18	CSLT (JB)	4.3.7		Second paragraph, last sentence: “Water service to the CSLT is provided by the District and LBWC.” Please update this statement to reflect that some areas of the City are also served by Tahoe Keys Water Agency and LPA. Last Paragraph: The City Code was revised and reorganized a few years ago, and the Stormwater Management section is no longer referred to as Chapter 35, it is now located under Chapter 7.15 of the City Code.	Corrected Corrected
19	CSLT (JB)	4.3.10		As noted by Brian Grey, it would be better to move this entire section from 4.3 (Regulatory Agencies) to 4.4 (Regulatory Programs and Policies), just under section 4.4.4 (Lake Tahoe TMDL).	Change was made as suggested
	CSLT (JB)	6.3.3		The first paragraph references TRPA Code of Ordinances “Chapter 81: Water Quality Control.” This seems to be an error that should reference Chapter 60.1 – Water Quality Control, per the most recent Code version that can be located online, reflecting amendments through September 29, 2021. Table 6-10 should also reference TRPA Code of Ordinances Chapter 60.1.3.B (Discharges to Ground Waters), which match the values shown in Table 6-10. This paragraph also contains an unsupported statement: “...infiltration systems are required to be monitored using groundwater monitoring wells at the point where discharge to groundwater	Updated references to TRPA Code of Ordinances Removed erroneous sentence

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				<p>occurs (TRPA Code of Ordinances Chapter 81: Water Quality Control).” This specific statement that every infiltration feature is required to have a groundwater monitoring well is not supported in any TRPA Code that I can locate. Chapter 81 in the most current code version addresses Permissible Uses and Structures in the Shorezone and Lakezone and has no discussion about monitoring wells at the point of discharge, nor does Chapter 60.1. While it would be ideal to have monitoring wells in every single infiltration feature, it is not currently feasible nor required by TRPA Code, at least to my knowledge. TRPA Code section 60.1.3 (Discharge Limits) simply establishes limits but does not prescribe monitoring requirements. This section of the Draft Alternative Plan should be reviewed to ensure consistency with the current TRPA Code, as amended. I believe this is important to acknowledge, as the Implementation Plan may want to identify key data gaps regarding potential risk of infiltration of contaminated stormwater and future groundwater monitoring needs.</p> <p>In general, this introductory section should reflect that the State of California has an evolving and at times dichotomous view on the role of stormwater as a resource or a risk for groundwater recharge. Senate Bill 985 (Stormwater Resource Plan) incentivizes the use of stormwater for infiltration and requires that new stormwater projects must include infiltration for groundwater recharge in order for local jurisdiction projects to be eligible for stormwater grants from California bond funding. The State continues to fund important studies that develop risk-based approaches to balancing stormwater treatment, maximizing stormwater recharge, and protecting groundwater resources from high risk potential pollutants. Please consider referencing the two documents below, which reflect the current state of practice in the effort to balance a risk-based approach to the benefits of stormwater infiltration and mitigating risks to groundwater resources:</p> <p>Final Report: Enhancing Urban Runoff Capture and Use (SWRCB and the Office of Water Programs, 2018) https://www.waterboards.ca.gov/water_issues/programs/stormwater/storms/docs/storms_capture_use.pdf</p> <p>California Drywell Guidance Research and Recommendations (Geosyntec, 2020): https://www.waterboards.ca.gov/water_issues/programs/stormwater/storms/docs/drywellguidance.pdf</p>	<p>Good suggestion, however Section 6.3.3 was not expanded to discuss these policy issues.</p>

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20	CSLT (JB)	Table 7-3		Minor typo in upper lefthand cell: “Basin Monitoriniung”	Corrected
21	USFS_LTBMU (NB)	2.1		the bottom elevation should be the elevation of the natural rim of the lake, 6223. DWR has incorrect elevation. You already identified lake elevation to be 6,223 ft under Section 2.6.2	Corrected
22	USFS_LTBMU (NB)	2.6.3		The Plan must consider whether groundwater conditions would have adverse impacts on GDE. GDE are considered as beneficial users of groundwater. Critical Species Logbook developed by Nature Conservancy should be documented in this paragraph.	Added language identifying threatened species and species identified in the TNC Lookbook as occurring in the Sierra Nevada region. (Rhode et al. 2019) added to References.
23	USFS_LTBMU (NB)	4.1.4		use space between US EPA. I thought it was the federal Clean Water Act, not the Antidegradation Policy, designated the Lake Tahoe as an Outstanding National Resource Water. I might be wrong.	Corrected From Basin Plan Chapter 5.1 “The State Board designated Lake Tahoe an Outstanding National Resource Water (ONRW) in 1980,…”

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24	USFS_LTBMU (NB)	4.3.8		<p>(first paragraph) The national forest lands are managed by the U.S. Forest Service, Lake Tahoe Basin Management Unit (spell it out). The U.S.F.S. L.T.B.M.U. established the Land Management Plan (LMP) in 2016 to bring consistency in planning within the portions of the National Forests that lie within the Lake Tahoe Basin. The management of the Basin Plan is to restore or maintain the health of the land, to promote a sustainable flow of uses, benefits, products, services, and visitor opportunities. The Land Management Plan has identified several desired conditions related to watershed resilience, stream channel geomorphic processes, and physical and chemical attributes of SEZs, as well as surface and ground water levels, groundwater recharge and discharge, and attenuation of peak flows.</p> <p>(second paragraph) The Forest Service cooperates with the TRPA and the Lahontan Water Control Board as the planning agencies shared the same boundaries. (you might want to combine this into the first paragraph).</p> <p>(third paragraph about directives for FSM 2560 this this is a nationwide directive that was proposed and it has since withdrawn in 2015. I think it would be best to remove this paragraph.)</p> <p>(fourth paragraph - remove the last sentence “The District is concerned that the provisions of the proposed Directive may add unnecessary costs to public works projects and make meeting future drinking water demands more difficult to achieve” This statement is not relevant and should be removed.) A special use authorization is required for all individuals or entities to develop water wells or construct water pipelines on USFS lands. The Technical Guide to Managing Ground Water Resources (2007) provides guidance for the authorization of water wells or injection wells and water pipelines. A permitting process for wells and pipelines is discretionary, permit may be denied if the analysis indicates an adverse impact to the forest natural resources. The applicants must evaluate other reasonable alternatives before the USFS would authorize new or increased groundwater pumping on National Forest lands.</p> <p>(fourth paragraph- “This requirement may be waived if the applicant is a public water supplier, and the proposed water source is located in a designated municipal watershed (USFS 2014)” Can you provide the source of this information? I could not find it in the reference list.)</p> <p>(fifth paragraph) The USFS has an established Groundwater Management Program to maintain and enhance groundwater fed streams, springs, wells, and wetlands, which supply the healthy watersheds and communities with much needed water, in partnership with local communities, states, and other partners. FSM 2880 Geologic Resources, Hazards, and Services provides guidance on Forest management activities including development of geologic resources,</p>	<p>Incorporated comments</p> <p>Added to first paragraph</p> <p>Removed text discussing FSM 2560</p> <p>Removed from text</p> <p>Incorporated into text</p> <p>Removed from text</p> <p>Incorporated into text</p>

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				<p>groundwater dependent ecosystem within the floodplains and wetlands, identifying recharge areas, geologic and geomorphic factors influencing watershed function, and monitoring to assess the cumulative effect of management activities on groundwater resources. The Technical Guide to Managing Ground Water Resources also provides guidance on the National Forest groundwater policy in Land Management Planning, water development, water quality, groundwater dependent ecosystems, inventory and monitoring, data management, and partnership with other local, state, tribes, and federal agencies.</p> <p>(sixth paragraph – no change is necessary this time).</p>	
25	USFS_LTBMU (NB)	4.4.4.1		<p>The only thing I see in this section that I would suggest revising is the mention of “...lowering banks to increase overbank flows”. This is not a technique that has been used, or likely will be used along the UTR. What we’ve done is raise channel bed elevation and/or construct new channels with lower bank heights, decreased overall channel capacity, and increased roughness to accomplish increased overbank flows.</p>	Revised as suggested
26	USFS_LTBMU (NB)	6.3.1.3		<p>Mis-spell Meyers in a couple of places on this page. Each place where it’s spelled Myers, it should be corrected to Meyers.</p> <p>There’s a typo in the date range for the updated GW characterization report (beginning of 3rd paragraph), should be 2011-2017.</p> <p>The latest groundwater monitoring report shows the plume extending approximately 1,700 ft north of the landfill in the middle groundwater zone, not “at least 2,000 ft” like it says in this section below.</p>	<p>Corrected</p> <p>Corrected</p> <p>Corrected</p>

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27	USFS_LTBMU (NB)	7		Joey Keeley retired in January 2022 and is no longer with the Forest Service	Replaced with Nicole Bringolf
28	LRWQCB (BG)	1		<ul style="list-style-type: none"> 1.3 suggest retitling section to clarify recommendations are from DWR. Currently “Recommended Actions” Suggest “Recommended Actions Identified by DWR” Table 1-2 review needed- not consistent with Section headings (e.g. 1.3)” Is list of projects complete (i.e. DRI fate and transport modeling work) 	<ul style="list-style-type: none"> Changed heading to Section 1.3 as suggested Reviewed Table 1-2 and made changes needed to conform with Alternative Plan headings <p>Fate and Transport Model work (2018) was conducted two years after Alternative materials submitted to DWR. Therefore, this work is not listed.</p>
29	LRWQCB (BG)	3.3		<ul style="list-style-type: none"> Review description of water systems. Appear to be attempting to distinguish between public and individual water systems. Is the distinction actually regulated vs unregulated systems? Descriptions should be consistent with following section (e.g. 3.3.3 currently “Individual Water Systems”) 3.3.3.1 Global- Review use of domestic vs private 	<ul style="list-style-type: none"> Modified description to clarify distinction between community water systems (CWS) and individual water systems. As used in the Alternative Plan, CWS are regulated water systems with more than 250 connections. Individual water systems include small CWS with less than 250 connections, non-community water systems, state small water systems and domestic wells. Revised Section 3.3.3.1 to remove inconsistent “private” usage.
30	LRWQCB (BG)	3.3.5		Is discussion of uncertainty needed due to the use of survey results/other assumptions?	<ul style="list-style-type: none"> Added sentence to 1st ppg: <i>As the well owners survey could not verify the locations of all active wells within the TVS Subbasin, estimated well densities are regarded as minimum values and may be greater than indicated.</i>

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					<ul style="list-style-type: none"> Added ppg 3 to explain uncertainty: <i>Groundwater extractions at private wells within the TVS Subbasin are subject to some uncertainty in terms of rates and precise well locations. Pumpage estimates stated previously range from 142 AFY based on expected use for domestic wells, to 542 AFY based on maximum allowable use for domestic wells. These rates are small relative to the estimated sustainable yield for the TVS Subbasin of 13,200 AFY (Section 5.5), approximately 1.1 to 4.1%, respectively. Given the methods used, the true rate is likely much closer to 142 AFY than to 542 AFY. Error in these estimates can therefore be expected to be small and unlikely to have a significant effect on planning and water budget projections. Likewise, although the precise locations of all private wells may not be known, the general locations are known to the parcel level, and the well density analysis can be considered reasonable accurate.</i>
31	LRWQCB (BG)	3.4		<ul style="list-style-type: none"> Include allocation for other districts? 	<ul style="list-style-type: none"> Demand estimates for the NTPUD Water Service Area (2,829 AFY) and TCPUD Service Area (3,839 AFY) are not included in the Alternative Plan as these water systems are outside with no connection to the Alternative Plan Area.

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32	LRWQCB (BG)	3.5		<ul style="list-style-type: none"> Consider statement about recycled water limitations? 	<ul style="list-style-type: none"> Changed "...artificially limits".. to "...restricts.."
33	LRWQCB (BG)	4.1		<ul style="list-style-type: none"> Clarity issues are not the only basis for historical collaboration (e.g UST/MTBE history); existing water quality impacts language in 4.1.4 could be considered 4.1.1 Identify existing public notification requirements for unauthorized release, case closure, corrective action plans for County/Lahontan. Are existing protocols/requirements not sufficient? 4.1.1 and 4.1.4 Potential Collaboration on Groundwater Protection are duplicate sections 4.1.3 Consider "Development and maintenance of a comprehensive water quality database for the TVS basin" 4.1.3 Consider develop methods/plans to evaluate potential water quality impacts from wildfire 4.1.4 Consider increasing informal communication across agencies, development of refined groundwater flow/fate and transport model(s) 	<ul style="list-style-type: none"> Removed "...focus on water clarity." Removed duplicate Section 4.1.4 Added suggested additions to Section 4.1.1 Added "comprehensive database" to Section 4.1.3" Added "increase informal communications" to Section 4.1.4
34	LRWQCB (BG)	4.3.2		<ul style="list-style-type: none"> Waste Discharge Program not included in table or narrative; consider if appropriate to exclude/add Doesn't include discussion of LTCP relative to UST program elements ie allows for contamination to remain in place at time of closure 4.3.10 Stormwater Management and Monitoring is not a 4.3 Regulatory Agency- suggest moving to 4.4 Regulatory Programs and Policies section 	<ul style="list-style-type: none"> Added WDR Program to Table 4-1 Added brief description of LTCP to end of 4th paragraph Moved Section 4.3.10 as suggested
35	LRWQCB (BG)	4.4.4		<ul style="list-style-type: none"> Was wastewater in septic systems actually treated and exported outside of the basin? 	<ul style="list-style-type: none"> Removed "(particularly in septic systems)"
36	LRWQCB (BG)	4.5		<ul style="list-style-type: none"> Background is the starting point for groundwater cleanups not "these drinking water standards" ie MCLs Issue with language- "There are also cleanup sites which LRWCB has closed with level of MTBE above MCLS. The potential discord between cleanup standards being employed by Lahontan and the Districts MTBE Policy may potentially limit the beneficial use of District drinking water wells within the TVS Basin"-Is this true? Is it the discord or the MTBE Policy 	<ul style="list-style-type: none"> Changed language in Section 4.5 citing Antidegradation Policy Changed language to highlight differences between site clean-up standards and MTBE Policy limitations on operation of impaired District wells.

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				itself which is the limitation? Suggest simply stating the differences between the District’s MTBE policy and LTCP.	
37	LRWQCB (BG)	6.0		<ul style="list-style-type: none"> 6.2.1.1 1st and 2nd paragraphs are almost duplicates- review needed to determine which is appropriate to use 6.2.3.1 Provide operating status of wells with radioactive impairment? Ie TK #3 6.2.4.2 last sentence-recommended for closure based on site conditions meeting LTCP criteria ie closure is consistent with LTCP Figure 6-5 check significant numbers in decimal place for benzene 6.3.1.1 Consider adding sentry well installations and discuss activities still planned ie soil vapor investigation, non-municipal well sampling 6.3.1.2 Private Residence Site. PCE discovered in 2007 after resident complaint. Not in investigation stage, is in verification monitoring stage. Lahontan conducted regular sampling of domestic wells since discovery to 2019 6.3.3.2 Doesn’t discuss South Y Feasibility Study Results- references data collected by LTLW. Suggest discussing receiving stormwater from both Big O Tire and Lake Tahoe Laundry Works. Further site investigations have yet to be performed. 	<ul style="list-style-type: none"> Removed duplicative paragraph Operating status of TKWC wells with respect to Ur is in Section 3.3.2.2 Add “...consistent with LTCP criteria (Section 4.3.2). to last sentence, Section 6.2.4.2 Figure 6-5 -legend has been corrected Added future work to end of 10th paragraph, Section 6.3.1.2 Made suggested change to Section 6.3.1.2 Added paragraph to Section 6.3.3.2 highlighting 2021 NOV requirement for preferential pathway investigation at Former Big O Tire site.
38	EDCWA (RL)	1.1.2.2; 4.3.4		In Section 1.1.2.2 and in Section 4.3.4 (and elsewhere as appropriate), please add discussion regarding the 2019 EDWA’s WRDMP Section 4 Resource Management Strategies and Section 5 Implementation Programs to support GSA groundwater supply and quality actions in general, as well as small water systems in “Other County Areas”. Specific sections to reference/summarize are the Strategies, Actions and Programs described in WRDMP Section 4.3 (“Implement Sustainable Groundwater Management”), Section 4.10 (“Prevent Contamination of Surface Water and Groundwater Resources”), and Section 5.1 (“Governance and Partnership Program”, “Water Security Program”, and “Watershed Management Program”). This would also include the public information and collaboration efforts described in Section 7 (e.g., well owner education program for areas not within STPUD’s service area, including support of the County’s Water Well Program, Section 7.2.1.1).	<p>Further discussion has been added to Section 4.3.4 highlighting RMS and RMS Actions presented in the WRDMP performed in collaboration with the District, covering those specific items identified in the Comment.</p> <p>Within Section 4.3.4 reference to “2019 Plan” was changed to “WRDMP”</p> <p>No changes were made to Section 1.1.2.2</p> <p>Added “WRDMP” to List of Abbreviations</p>

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39	EDCWA (RL)	3.3.2.2		STPUD should consult with TKWC on Section 3.3.2.2 that needs to be updated with current treatments and capacities at Well Nos. 2 and 3. For example, in paragraph 3, Well 2 production is now 400 gpm (which is correctly shown in Table 8-1) due to the addition of uranium treatment.	Table 8-1 was forwarded to J. Lukins, interim water systems manger for TKWC to confirm current source capacities for TKWC Wells.
40	EDCWA (RL)	6.2.3.1		Section 6.2.3.1 describes and Figure 6-3 displays radioactive constituents in well water quality. From the map and discussion, it does not appear that the map and text reflect or show other wells (in past 10 years or previous) that have had elevated levels of uranium but have been shut down, which unintentionally underrepresents the magnitude of the problem/challenge for area wells. I did not see another section that discusses this history for uranium, arsenic, or contaminants such as PCE (Section 6.2.4). I see that Section 6.3.1.1 identifies a compilation of historic data for PCE (GEI 2016b), but it is not described in Section 6.2.	Section 6 describes current groundwater quality conditions using available water quality data collected over the past ten years. As PCE is a man-made contaminant versus Ur or As, which are naturally occurring, a broader discussion of historical contamination is provided in the draft Alternative Plan, as current groundwater quality concerns with PCE have resulted from relict contamination within the Subbasin.
41	EDCWA (RL)	6.3.1.1		Section 6.3.1.1 describes the South Y PCE plume investigation in some detail. The text characterizes the PCE contamination as a single plume, however recent AECOM well monitoring appears to show there are at least two separate plumes contributing PCE contamination to the groundwater (as shown in Figure 6-7). Similar to how the Plan Amendment describes recent actions by LBWC and TKWC to address new data on contaminants (i.e., uranium and PCE), it seems appropriate for the Plan Amendment also to describe in the text the inferences from the test well data results and mapping (Figure 6-7) to update the characterization of the South Y PCE plume, even if conclusions cannot yet be made regarding the potential source(s) of the apparent second PCE plume. This of course affects the subsequent discussions of management options, including the modeled scenarios under Section 6.3.1.4. We recognize this is a challenge for the completion of the current Plan Amendment given the evolving nature of the investigation.	The draft Alternative Plan describes the South Y Plume as part of a “Regional Contamination” problem. Additional language was added to Paragraph 13 concerning further source area investigations planned by LRWQCB as part of the Regional Contamination Investigation. Findings from these future investigations <i>may help to provide detail about the composition of the South Y Plume and its evolution from singular or multiple releases from singular or multiple sites.</i>
42	EDCWA (RL)	Table 7-4		Table 7-4 shows potential topics for future discussions with SAG. This table could be expanded to include regional collaboration on water security and supply reliability (e.g., operational supply reliability, possibly during wildfire events) as well as watershed management (e.g., stormwater quality affecting groundwater) as identified in EDWA WRDMP Water Security and Watershed Management programs.	Operational Supply and Reliability was added as an item for consideration under Climate Change. Stormwater quality affecting groundwater was added as a topic for discussion Illicit

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					Discharges to Storm Water Infiltration Systems.
43	EDCWA (RL)	Table 7-4		Due to the significance of past and future evaluation costs for the PCE plumes in the TVS basin, it seems that we should place more emphasis on seeking more funding from state and federal groundwater clean-up grant programs. This should be a specific activity endorsed by SAG that engages the affected purveyors (LBWC and TKWC) and includes a collaborative engagement of the affected purveyors by STPUD and EDWA for seeking funding to support near-term remediation activities. EDWA's Communications and Advocacy Program can be cited as a mechanism to promote greater efforts in this area.	Added new topic to Tale 7-4 – Funding for Groundwater Remediation to consider the GSA's role in pursuing potential funding opportunities and responsibilities with this funding.
44	EDCWA (RL)	10.2.2		Section 10.2.2: Text could propose to revisit the past planning and technical studies and need for future studies given the recent results of the AECOM '64' wells monitoring program, and the potential interest of LBWC and TKWC to collaboratively pursue new funding and reevaluation of management/remediation options for the PCE plume(s).	This proposal could be reconsidered along with current level of SAG interest in updating the South Y Fate and Transport Model under the new Funding Topic added to Table 7-4.
45	EDCWA (RL)	10.2.2		Second full paragraph following Table 10-2, while EDWA funding is limited, support of activities in pursuit of additional state and federal funding is a priority for EDWA in support of a range of activities as described under EDWA's Communications and Advocacy Program.	Added sentence to end of paragraph indicating EDWA support in pursuit of state and federal funding.
46	EDCWA (RL)	General		I applaud the STPUD and consultant team on its completion of a cohesive draft plan that addresses such a complex and interrelated set of management challenges facing the groundwater purveyors in the TVS GW Basin area.	Thank you, the District and the project team values EDWA support and input through this process.
47	EDCWA (RL)	1.1, line 10		Missing words: Add "the TVS Subbasin" between "and" and "was	Added "TVS Subbasin"
48	EDCWA (RL)	1.1.2.1, line 8		Change "with" to "within".	Corrected
49	EDCWA (RL)	Section 1.1.2.2		Change Section Title from "El Dorado EDWA GSA" to "El Dorado Water Agency (EDWA) GSA"	Corrected
50	EDCWA (RL)	1.2.1		Bottom of page paragraph, first sentence starting with "Investigations were performed": Sentence is unclear and needs editing/revision.	Corrected

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51	EDCWA (RL)	1.2.2, line 2		“SGMA identifies three alternatives to a GSA”. Compare to later Section	Section 1.2.2 line 2 lists the three types of Alternatives recognized under SGMA which may be submitted in-lieu of a GSP. The District elected to submit both its existing 2014 GWMP (along with accompanying reports listed in the preceding Section 1.2.2) and an Analysis of Basin Conditions report to DWR for review and evaluation as an Alternative to a GSP. Footnote 5 explains the District’s preference (indicated to DWR at the time of submittal) that the DWR review be sequenced in a manner that reviews the existing 2014 GWMP (along with the accompanying reports) first and should DWR agree that the existing plan and accompanying reports were functionally equivalent to a GSP, review of the Analysis of Basin Conditions would not be necessary. As noted in the fourth paragraph, DWR determined that the existing 2014 GWMP was accepted by DWR as an approved Alternative for the TVS Subbasin. Therefore, there is no further discussion in Section 1.2.2 about the Analysis of Basin Conditions report.
52	EDCWA (RL)	1.4		Second page 6 th bullet: Duplicate wording “Groundwater Contamination”.	Corrected
53	EDCWA (RL)	3.3.2		Second paragraph following Table 3-4. First and fourth sentences are incomplete and need to be revised.	Revised
54	EDCWA (RL)	Figure 3-3		Title for Figure 3.3 needs to revise “water system wells” to “well water systems”.	Corrected
55	EDCWA (RL)	5.1.1		One of the duplicate paragraphs starting with “The groundwater model simulates three (3) ...”.	Corrected

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56	EDCWA (RL)	5.1.2		Fourth paragraph and elsewhere, identification of a second source and plume of PCE should be identified, especially now that AECOM/Lahontan have identified an apparent second distinct PCE plume, the source of which appears distant from the “Y”.	Uncertainty about potential source areas is noted in Paragraph 4 of Section 5.1.2.
57	EDCWA (RL)	6.1.1		Second sentence grammar “These data consists”.	Corrected
58	EDCWA (RL)	6.2.1.1		Third paragraph, first sentence: “Table 6-1” should read “Figure 6-1”.	Corrected
59	EDCWA (RL)	10.2.1		Second page, above Table 10-1, first full paragraph: insert “Table 10-1” at end of sentence.	Corrected
60	LPA (NF)	Table 3-4		Lakeside Park Association; Total population in DDW Records is 1554	Corrected
61	LPA (NF)	3.3.2		4 th ppgh, 1 st sentence is incomplete.	Corrected
62	LPA (NF)	3.3.2.4		1 st ppgh, 4 th line; change to 139 connections	Corrected
63	LPA (NF)	5.1.1		1 st ppgh, 3 rd line; please define “BMOs”	Basin Management Objectives (BMOs) are first defined in Section 1.0 Introduction and are included in the list of ABBREVIATIONS following the Table of Contents.

General Manager
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April 1, 2022

Peter D. Gorman, P.G., C. HG
Kyle S. Flory, P.G.
PES Environmental, Inc.
7665 Redwood Blvd, Suite 200
Novato, CA 94945

Re: Response to PES Environmental Comments – STPUD Draft Alternative Plan for Tahoe Valley South Subbasin (6-005.01).

Dear Mr. Gorman and Mr. Flory,

The District received a comment letter from PES Environmental, Inc., (“PES”) on behalf of Seven Springs Limited Partnership (“Seven Springs”) and NV5 Company regarding the first five-year update of the draft Alternative Plan (Alternative Plan) as it relates to PCE contamination in the South Y area of south Lake Tahoe. Seven Springs is the current owner of the former Lake Tahoe Laundry Works site, a source of PCE contamination identified by the Lahontan Regional Water Quality Control Board (“Lahontan”). The District provided a summary of the status of the PCE contamination in section 6.3.3.2 of the Alternative Plan based on information from Lahontan. Sections 6.3.1.1 and 6.3.1.4 of the Alternative Plan discuss the results of the South Y PCE Model that was developed to simulate groundwater flow and PCE migration. As noted by PES, Lahontan is continuing to investigate both the source(s) of PCE contamination and vertical and horizontal extent of PCE contamination. At appropriate intervals, the Alternative Plan will be updated as further information becomes available.

Thank you for your comments regarding the draft Alternative Plan. Written comments received during the public comment period will be appended to the final document.

Sincerely,

A handwritten signature in blue ink, appearing to read "Ivo Bergsohn", is written over a light blue horizontal line.

Ivo Bergsohn., PG, HG
Hydrogeologist

Cc: Ken Payne, El Dorado County Water Agency



March 11, 2022

1021.001.01.008

Mr. Ivo Bergsohn, P.G., C.HG.
Hydrogeologist
South Tahoe Public Utility District
1275 Meadow Crest Drive
South Lake Tahoe, California 96150

**Subject: Comments on STPUD's Draft Alternative Plan for Tahoe Valley
South Subbasin (6-005.01) First Five Year Update
Dated February 7, 2022**

Dear Mr. Bergsohn:

On behalf of Seven Springs Limited Partnership ("Seven Springs"), PES Environmental, Inc., an NV5 Company ("PES"), has prepared this letter to provide comments on the *Draft Alternative Plan for Tahoe Valley South Subbasin (6-005.01) First Five Year Update* ("Draft Plan") by the South Tahoe Public Utility District ("STPUD").¹ PES understands the Draft Plan has been prepared by the STPUD and the El Dorado County Water Agency ("Water Agency") and that a 30-day public comment period for this document will conclude on March 11, 2022. The Draft Plan includes a discussion regarding groundwater quality and incorrectly attributes the potential presence of groundwater contamination beneath stormwater detention basins and channels to the former Lake Tahoe Laundry Works ("LTLW") site. Additionally, the Draft Plan fails to address the many sites within the subbasin that the Lahontan Regional Water Quality Control Board ("Water Board") has identified as known or potential sources of groundwater contamination.

EXTENSIVE INVESTIGATION AND REMEDIATION OF LTLW SITE

The Draft Plan mischaracterizes the level of effort that the "working parties" have expended investigating environmental conditions on and off the LTLW site and remediating impacts to soil and groundwater that resulted from a release of tetrachloroethene ("PCE") at the LTLW site. The Draft Plan states "[d]uring the 2018 WY, consultants for the working parties (Seven Springs Limited Partnership and Fox Capital Management Corporation), prepared work plans, planning reports and conducted initial contaminant investigations required in the CAO."

¹ STPUD. February 7, 2022. *Draft Alternative Plan for Tahoe Valley South Subbasin (6-005.01) First Five Year Update*.

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Seven Springs' history of cooperation extends back to 2003 when the Water Board first contacted Seven Springs about possible PCE contamination in groundwater at the LTLW site. Seven Springs, in collaboration with Fox, has continuously worked with the Regional Board in the investigation and remediation of PCE at the LTLW site, conducting extensive remedial actions since April 2010. The working parties are the only parties in the Basin to actively conduct remediation in the Tahoe Valley South ("TVS") Subbasin.

FORMER LTLW SITE IS NOT THE SOURCE OF PCE CONTAMINATION IN STORMWATER DETENTION BASINS AND CHANNELS

In Section 6.3.3.2 of the Draft Plan, STPUD and the Water Agency identify that significant concentrations (e.g., greater than 500 $\mu\text{g/L}$ of PCE were detected in groundwater samples collected neighboring the Tucker Avenue Stormwater Detention Basin ["Tucker Basin"]). The Draft Plan identifies the source of the PCE contamination as PCE leaching from PCE contaminated soil underlying Tucker Basin, tracing the source of PCE back to the LTLW site. The Draft Plan states "[s]pills from this site are believed to have flowed to or directly into the CSLT storm drain system contaminating the soils underlying the present-day Tucker Basin (Weiss, 2019)."

Weiss Associates—the source of the above statement—is a consultant for a party that has brought suit against Seven Springs and other parties, and thus is not an objective, disinterested source. More importantly, the premise that the source of the PCE detected in groundwater samples collected neighboring Tucker Basin is leaching from PCE contaminated soil underlying Tucker Basin has not been established. Likewise, the premise that spills from the former LTLW site "[f]lowed to or directly into the CSLT storm drain system contaminating the soils underlying the present-day Tucker Basin" has not been established.²

In 2018, a preferential pathway evaluation was conducted on the former LTLW site to determine whether preferential pathways resulted in transport of PCE at the LTLW and in the vicinity of the LTLW.³ The scope of work included: (1) review of current and historical utility drawings, (2) performance of a closed-circuit television ("CCTV") video inspection of the sanitary sewer pipeline and the subsurface stormwater system, and (3) collection of soil, sewer gas, and passive soil gas ("PSG") samples from locations along the length of the subsurface utilities. Results of the portion of the investigation conducted on the former LTLW site (i.e., Stage 1) are detailed in the EKI April 2019 Investigation Summary Report.⁴

² PES and EKI. May 14, 2021. *Subject: Response to Weiss Associates Comments Regarding South Y Basin Aquifer PCE South Lake Tahoe, California.*

³ PES. September 28, 2018. *Preferential Pathway Evaluation Work Plan, Former Lake Tahoe Laundry Works, South Y Shopping Center, 1024 Lake Tahoe Boulevard, South Lake Tahoe, California.* ("PES Preferential Pathway Evaluation Work Plan").

⁴ EKI. April 1, 2019. *Investigation Summary Report, Former Lake Tahoe Laundry Works Site, 1024 Lake Tahoe Boulevard, South Lake Tahoe, California.* ("EKI April 2019 Investigation Summary Report").

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No significant defects (e.g., cracks, off-set joints, root-intrusions, etc.) were observed during the CCTV video survey and no records exist that show repairs have been made to correct utility defects in the past. As a result, it is reasonable to conclude that the sanitary sewer pipeline and the subsurface stormwater system have retained their structural integrity during the entire time they have been in use. The lack of significant defects means PCE dense non-aqueous phase liquids (“DNAPL”) were unlikely to have exfiltrated from the utilities and entered the subsurface. This finding is confirmed by volatile organic compound (“VOC”) analytical results of PSG and soil matrix (i.e., utility backfill materials) samples collected along the length of the sanitary sewer pipeline and the subsurface stormwater system. No samples contained VOC concentrations indicative of DNAPL. The highest PCE concentration detected was 0.106 milligrams per kilogram (mg/kg), which is approximately five times less than the Environmental Screening Level (ESL) for soil at residential properties and approximately 25 times less than the ESL for soil at commercial/industrial properties.⁵

By contrast to these results, PCE concentrations in groundwater suggest that the presence of DNAPL has been identified beneath the former Big O Tire site at 1961 Lake Tahoe Boulevard, South Lake Tahoe, California (“Big O Tire site”), which is located immediately adjacent to Tucker Basin. The Draft Plan mentions that in 2021 the Water Board issued a Notice of Violations (“NOV”) to the responsible parties of the former Big O Tires site requiring the submittal of a work plan and assess if contamination originating from the former Big O Tire site along preferential pathways, including the storm drain system, has occurred. However, the Draft Plan fails to mention the documented presence of PCE in groundwater beneath the former Big O Tire site (further described below) or the results of a preliminary preferential pathway investigation conducted previously on the former Big O Tire site. The latter included:⁶ (1) a geophysical survey and a camera survey of the sanitary sewer; (2) an elevation survey of the stormwater pipelines; and (3) collection of PSG samples. Results of the investigation clearly indicate that historical operations at the former Big O Tire site have resulted in chemical release(s) to the subsurface. The results of the elevation survey of the stormwater pipelines confirmed the storm drains discharged from the former Big O Tire site to Tucker Basin. This finding is consistent with the construction and geometry of the storm drain system. Additionally, the PCE mass detected at PSG sample location PSG-1, which is located at the storm drain inlet, indicates potential PCE transport and release to Tucker Basin. Location PSG-1 is directly adjacent to and upgradient of boring B-1 where PCE was detected in middle zone groundwater at a concentration of 470 µg/L during the 2001 investigation.

⁵ California Regional Water Quality Control Board – San Francisco Region. 2019. *User's Guide: Derivation and Application of Environmental Screening Levels (ESLs), Interim Final (Revision 1) and Environmental Screening Levels (ESL) Workbook (Revision 2)*.

⁶ WHA. November 10, 2020. *Passive Soil Gas Investigation Report, Former Big O Tires Site, 1961 Lake Tahoe Boulevard, South Lake Tahoe, California*.

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The results of the previous investigations conducted at the former Big O Tire site documents releases of hazardous materials have occurred at that property and that groundwater has been contaminated with PCE at concentrations that suggest the presence of DNAPL. The Draft Plan needs to be revised to identify these conditions as a potential source of the PCE detected in groundwater samples collected neighboring the Tucker Basin.

Numerous additional potential sources of PCE are present within the TVS Subbasin at locations in close proximity to the stormwater detention basins and channels (see attached map for some of the potential source properties). Until thorough investigations of the potential sources of PCE contamination to groundwater within the TVS Subbasin are completed these businesses cannot be eliminated as sources of contamination to the stormwater detention basins, channels, and underlying groundwater. The Draft Plan needs to be revised to identify this data gap and the numerous potential sources of PCE contamination present within the TVS Subbasin. An example of the multiple sources within the basin is illustrated on Figure 6-7 of the Draft Plan, which shows western/central plume area with hotspots north of LTLW (e.g., Tucker Avenue Basin and the 5th Street Business Area) and an eastern plume that appears unrelated and distal to the South Y area.

NUMEROUS POTENTIAL SOURCES OF GROUNDWATER CONTAMINATION WITHIN THE SUBBASIN

The Draft Plan identifies the South Y regional contamination as a contaminant plume within the TVS Subbasin. The Draft Plan also specifically identifies the former LTLW site and provides a link to the former LTLW site on the State Water Resources Control Board's webpage, GeoTracker. But the Draft Plan neglects to discuss numerous sites within the TVS Subbasin that are either under Cleanup and Abatement Orders ("Orders") issued by the Water Board or have been identified by the Water Board as potential sources of groundwater contamination.

Two such sites are the former Big O Tire site and the Hurzel Properties, LLC located at 945, 949 and 961 Emerald Bay Road, South Lake Tahoe, California ("Hurzel site"). Omission of these sites from the Draft Plan results in an incomplete description of potential sources of groundwater contamination in the TVS Subbasin.

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Former Big O Tires Site.

The former Big O Tires site is the subject of a Water Board Order directing current and former owners and operators to conduct investigations⁷ to delineate contamination in soil, soil gas, and groundwater originating from the former Big O Tires Site. The Water Board has issued four NOV's to the responsible parties of the former Big O Tire site as a result of their failure to prepare an adequate investigation work plan for characterizing the lateral and vertical extent of PCE contamination resulting from historical operations. Operations at the former Big O Tires site included automotive repair and tire sales, servicing and maintenance. Paint, new and used motor oil, lubricating oils, brake cleaners, and degreasers were stored and used at the former Big O Tires site. An above ground storage tank ("AST") for waste oil was present in the rear parking lot of the facility and an AST for storage of unused oil was present in the building interior.⁸ Two floor drains are present within the building interior; one of which was reportedly present in the lube pit.⁹ The floor drains are connected to the sanitary sewer via subgrade piping. Located between the two floor drains were two brake-cleaning and parts-washing sinks.⁹ Documentation provided to the Water Board by Mark and Gail Strong (i.e., representatives of CAMCO/BOT 65, Inc. and former lessee of the Big O Tires site) provide: (1) evidence that PCE was commonly used at the site; (2) incomplete records regarding the disposal of PCE-containing solvents and waste oil; (3) information suggesting the amount of hazardous materials (i.e., waste oil) stored on-site at any given day was greater than the capacity of the above-ground tank. Groundwater contamination has been documented as present beneath the former Big O Tire site¹⁰ (PCE has been detected up to 720 micrograms per liter [$\mu\text{g}/\text{L}$] in shallow groundwater and up to 4,700 $\mu\text{g}/\text{L}$ ¹¹ in middle groundwater).

⁷ Water Board, 2019. *Order to Submit Technical Reports in Accordance with Section 13267 of the California Water Code, Big O Tire Store, 1961 Lake Tahoe Boulevard, South Lake Tahoe, El Dorado County, SCP Case #T6S034, GeoTracker Global ID SL0601729739.* ("Big O Tires Investigation Order"). May 10. (Amended September 28, 2020).

⁸ Harding ESE, Inc., 2001. *Groundwater Investigation, Big-O Tire Center, 1961 South Lake Tahoe Blvd., South Lake Tahoe, California.* October 30.

⁹ Harding ESE, Inc., 2001. *Groundwater Investigation*, Figure 1. October 30.

¹⁰ Ibid.

¹¹ PCE at concentrations greater than one percent of its pure phase or effective solubility were detected in groundwater in the middle water-bearing zone on the former Big O Tires site, suggesting the presence of dense non-aqueous phase liquid (DNAPL). One percent of the pure phase solubility of PCE is approximately 2,100 micrograms per liter ($\mu\text{g}/\text{L}$) (U.S. EPA, Regional Screening Level Chemical-specific Parameters Supporting Table, November 2015).

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Despite the documented presence of PCE, the former Big O Tires site has not been thoroughly investigated and therefore the extent of the contribution of this site to the South Y regional contamination is not understood. The Draft Plan needs to be revised to include information regarding the former Big O Tires site¹² (and a link to further information about the site on GeoTracker) to allow readers of the plan to have a better understanding of the potential contribution of this site to the South Y regional contamination. Further, Table 6.7 of the Draft Plan (i.e., Clean-up Sites with Water Quality Records of Chlorinated Hydrocarbon Contaminants Detected in Groundwater) should be updated to include the former Big O Tires site.

Hurzel Site

The Hurzel site, a former dry cleaning site, is also subject to a Water Board Order. The Hurzel Order requires the lateral and vertical definition of contamination in soil, soil gas, and groundwater originating from the Hurzel Site.¹³ The Water Board has issued four NOVs¹⁴ to the responsible parties of the Hurzel site for failing to comply with the Order. Groundwater contamination has been documented to be present beneath¹⁵ and immediately downgradient¹⁶ of the Hurzel site. Figure 2a from the Soil Gas Investigation Work Plan prepared by AECOM Technical Services, Inc. (“AECOM”) has been annotated to show the location of the former Hurzel site and is attached to this letter. Despite the documented presence of groundwater contamination, the site has not been thoroughly investigated and therefore the extent of the contribution of this site to the South Y regional contamination is not understood. The Draft Plan needs to be revised to include information regarding the Hurzel site¹⁷ (and a link to further information about the site on GeoTracker) to allow readers of the plan to have a better understanding of the potential contribution of this site to the South Y regional contamination. Further, Table 6.7 of the Draft Plan (i.e., Cleanup Sites with Chlorinated Hydrocarbon Contamination) should be updated to include the former Hurzel site.

¹² Additional details of the former Big O Tire are available at the State Water Control Board’s GeoTracker website: https://geotracker.waterboards.ca.gov/profile_report?global_id=SL0601729739.

¹³ Water Board, 2019. *Order to Submit Technical Reports in Accordance with Section 13267 of the California Water Code, Hurzel Properties, LLC, 961 Emerald Bay Road, South Lake Tahoe, El Dorado County, SCP Case No. T6S044, GeoTracker Global ID SL0601790916.* (Order). May 10.

¹⁴ Water Board, 2019. *Notice of Violation, Order to Submit Technical Reports in Accordance with Section 13267 of the California Water Code, Hurzel Properties, LLC, 961 Emerald Bay Road, South Lake Tahoe, El Dorado County, SCP Case No. T6S044, GeoTracker Global ID SL0601790916.* August 27; Water Board, 2020. *Second Notice of Violation, Order to Submit Technical Reports in Accordance with Section 13267 of the California Water Code, Hurzel Properties, LLC, 961 Emerald Bay Road, South Lake Tahoe, El Dorado County, SCP Case No. T6S044, GeoTracker Global ID SL0601790916.* January 10.

¹⁵ Harding ESE, 2001. *Groundwater Investigation, Hurzel Properties LLC, 949 Emerald Bay Road, South Lake Tahoe, California.* December 12.

¹⁶ AECOM, 2021. *Soil Gas Investigation Work Plan: South “Y” PCE Plume, South Lake Tahoe, California,* at Figure 2A. October 5.

¹⁷ Additional details of the Hurzel site are available at the State Water Control Board’s GeoTracker website: https://geotracker.waterboards.ca.gov/profile_report?global_id=SL0601790916.

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Other Sites Identified by the Water Board.

In April 2019, the Water Board sent Investigative Orders to 223 parties pursuant to Section 13267 of the California Water Code to assist in its efforts to determine the extent of chlorinated organic solvents in groundwater, identify potential sources, and develop remedial actions to restore affected groundwater to beneficial uses. The Investigative Orders were sent to businesses that may have used chlorinated solvents, including historical and current drycleaners, laundromats, carpet cleaning businesses, automotive repair shops, paint and automotive body shops, and printing shops.¹⁸ Some of the businesses that received the Investigative Orders are shown on the attached map.¹⁹ The Water Board received 115 questionnaire responses and, in September 2019,²⁰ made those questionnaires available on GeoTracker. Questionnaire responses were not received from 108 parties, about one-half of the parties contacted by the Water Board. Parties that have not responded represent an informational data gap that may ultimately expand the number of sites that used chlorinated solvents and contributed to PCE in groundwater within the South Y area. This effort by the Water Board and the results of that effort were not discussed in the Draft Plan and the omission of any discussion of the information received, as well as any discussion of the aforementioned data gap, results in an incomplete discussion regarding the number of potential sources of groundwater contamination in the TVS Subbasin. The Draft Plan needs to be revised to include this information.

SOUTH Y PCE MODEL – MASS ESTIMATES

In Sections 6.3.1.1 and 6.3.1.4 of the Draft Plan, STPUD discusses the South Y PCE Model²¹, which was developed to simulate groundwater flow and chemical transport for remedial alternative evaluations. Fundamental flaws of the South Y PCE Model were previously discussed in letters prepared by PES²² and PES/EKI²³. STPUD indicates this model was last updated with water quality data through 2018.²⁴ STPUD claims the preferred remedial

¹⁸ Water Board. August 22, 2019. Memorandum Re *Summary of 13267 Site History Questionnaire as of July 26, 2019*. p. 1.

¹⁹ EKI Environment & Water. April 3, 2020. *Investigation Summary Report, Former Lake Tahoe Laundry Works Site, 1024 Lake Tahoe Boulevard, South Lake Tahoe, California*.

²⁰ Grey, B. (Water Board) September 5, 2019. Email to Interested Parties Re *Email to Interested Parties - August 22, 2019 Memorandum*.

²¹ DRI. June 28, 2019. *Fate and Transport Modeling of the South Y PCE Groundwater Contamination Plume*.

²² PES. April 16, 2020. *Comments on Kennedy Jenks Consultants, Inc.'s Draft Interim Remedial Action Plan (IRAP) and South Y PCE Facilities Feasibility Study (FS), South Lake Tahoe, California*; and Seven Springs and Fox. April 24, 2020. *Supplemental Comments on Kennedy Jenks Consultants Inc.'s Draft Interim Remedial Action Plan (IRAP) and South Y PCE Facilities Feasibility Study (FS), South Lake Tahoe, California*.

²³ PES and EKI. August 13, 2021. *Subject: Comments on STPUD's Responsiveness Summary Dated June 12, 2020 South Lake Tahoe, California*.

²⁴ Draft Plan, at 171.

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alternative will remove 770 to 3,300 pounds of PCE over 20 years.²⁵ In contrast, preliminary estimates by EKI calculated that the mass of PCE in the entire South Y regional plume is approximately 100 to 300 pounds.²⁶ As further described below, additional plume characterization data has become available and the mass of PCE at concentrations greater than the MCL²⁷ is estimated to be approximately 244 pounds.

Since the STPUD's South Y PCE Model was last updated, the Water Board and its consultant (i.e., AECOM) have collected over 500 groundwater samples within the TVS Subbasin. AECOM compiled groundwater data collected from March 2017 through November 2020 and developed a 3-dimensional visualization model²⁸ to process and contour the distribution of PCE in groundwater within the South Y Region. PES utilized the regional 3-dimension contours developed by AECOM to calculate the mass of PCE in groundwater. Assuming an aquifer porosity of 0.25 and density of PCE of 1.62 grams per cubic centimeter, the mass of PCE at concentrations greater than the MCL is estimated to be approximately 250 pounds.

The discrepancies in the PCE mass estimates (i.e., 770 to 3,300 pounds versus approximately 250 pounds) is a critical issue to resolve prior to design and implementation of a cost-effective remedial system. The Draft Plan and South Y PCE Model need to be updated to address recent data collection and modeling performed by the Water Board and its consultant. Additionally, the South Y PCE Model should be overhauled to reflect: (1) observed lithologic data within the basin; (2) observed groundwater flow directions and gradients; (3) the presence of numerous sites with releases of VOCs/PCE to the subsurface; and (4) observed concentrations of PCE within the regional plume. Further, the Kennedy/Jenks Consultants, Inc.'s *Interim Remedial Action Plan for the South Y PCE Facilities Feasibility Study* (IRAP), dated May 9, 2020, and *South Y PCE Facilities Feasibility Study* (FS), dated May 10, 2020, need to be reevaluated and updated with accurate mass estimates of PCE in groundwater.

²⁵ STPUD. June 12, 2020. *Responsiveness Summary for Item 12 Interim Remedial Action Plan, Feasibility Study of Remedial Alternatives to Mitigate Tetrachloroethylene Contamination, CALSTARS Agreement No. D1712508*, at 5.

²⁶ EKI. April 24, 2020. *Transmittal of Calculations Regarding Perchloroethylene Mass in Groundwater Within South Y Area, South Lake Tahoe, California*.

²⁷ State of California Maximum Contaminant Level (MCL) for drinking water is 5 µg/L.

²⁸ Modeling software: Earth Volumetric Studio (EVS), developed by C Tech Development Corporation.

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CLOSING

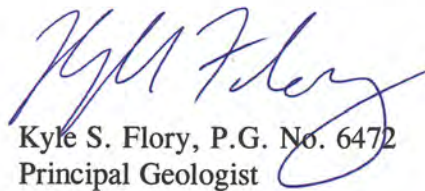
We appreciate the opportunity to share the above information with STPUD. If you have any questions or require additional information, please call Pete Gorman at (415) 798-3029 or Kyle Flory at (415) 798-3028.

Respectively submitted,

**PES ENVIRONMENTAL, INC.,
AN NV5 COMPANY**



Peter D. Gorman, P.G., C.HG. No. 8470
Associate Geologist

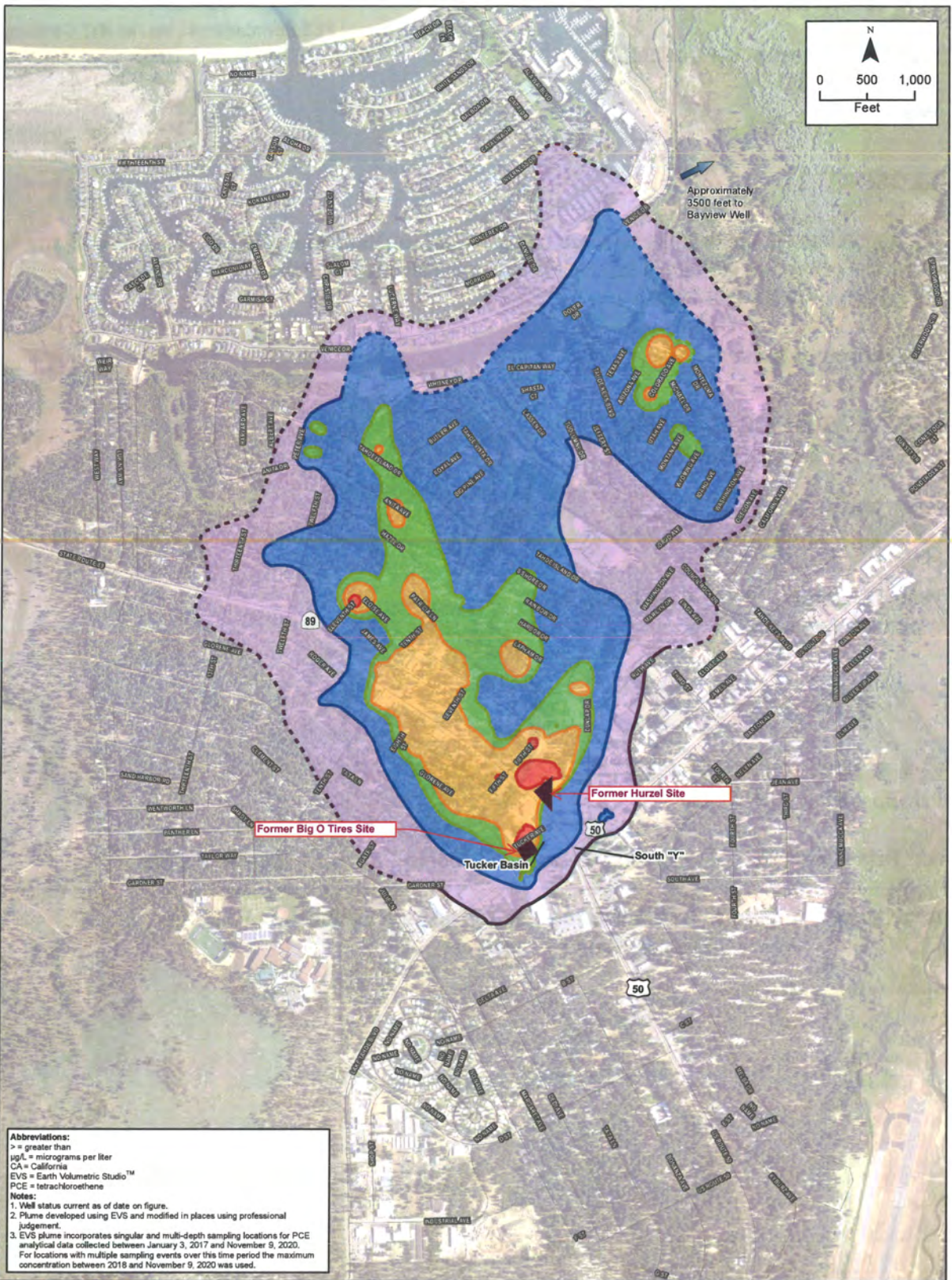


Kyle S. Flory, P.G. No. 6472
Principal Geologist



cc: Brian Grey, P.G. - Regional Water Quality Control Board, Lahontan Region

Attachments: Figure 2a - Dissolved PCE in Groundwater Plume Map
Map of Potential Source Properties



C:\Users\lgowans\OneDrive - AECOM\Desktop\SLT\Soil_Vapor_Report\Figure 2a Dissolved PCE in Groundwater Plume_Map.mxd MSB 8/6/2021_SAC

Abbreviations:
 > = greater than
 µg/L = micrograms per liter
 CA = California
 EVS = Earth Volumetric Studio™
 PCE = tetrachloroethene

Notes:
 1. Well status current as of date on figure.
 2. Plume developed using EVS and modified in places using professional judgement.
 3. EVS plume incorporates singular and multi-depth sampling locations for PCE analytical data collected between January 3, 2017 and November 9, 2020. For locations with multiple sampling events over this time period the maximum concentration between 2018 and November 9, 2020 was used.

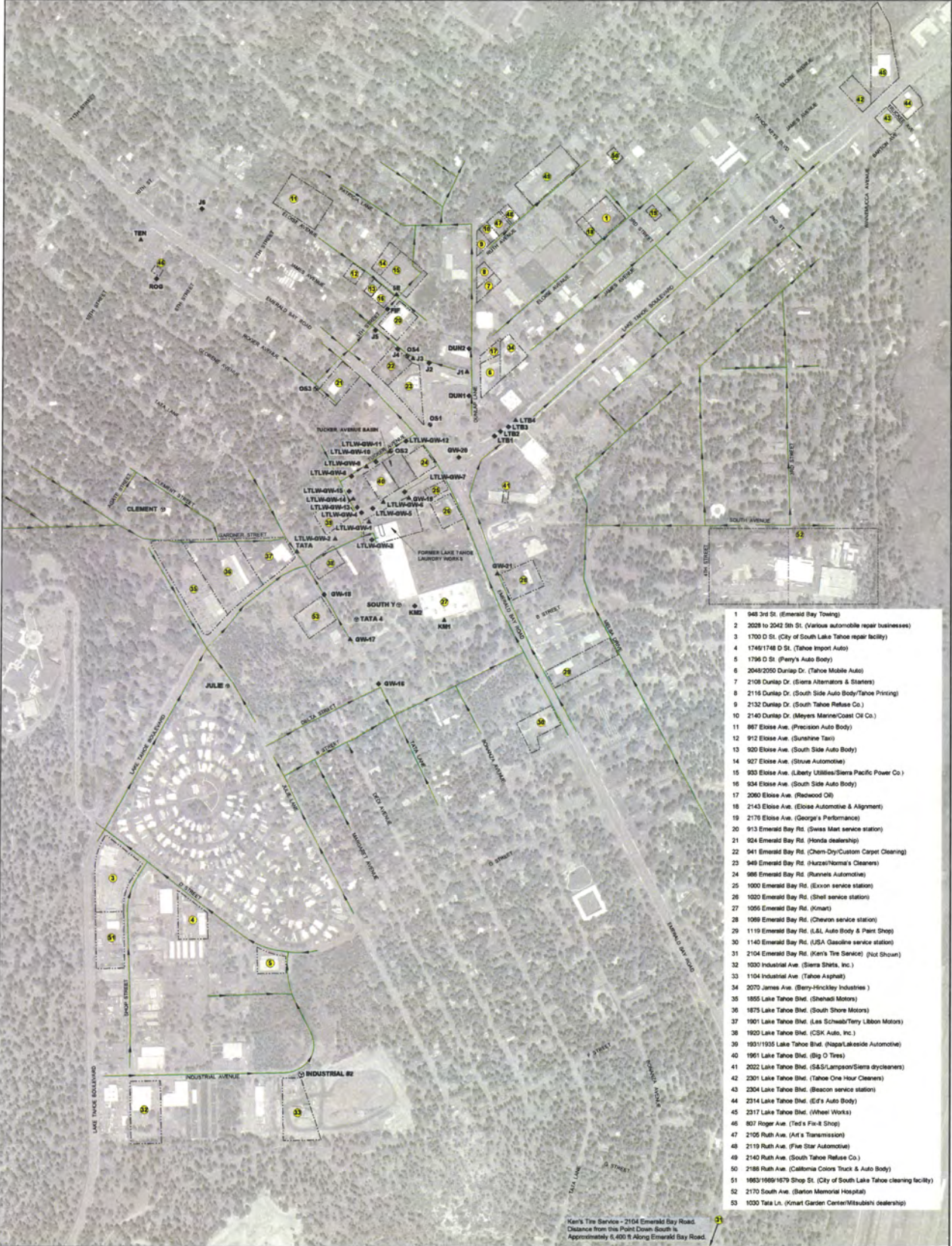


PCE Concentration Contours
 (dashed where inferred)

- 0.5 - 5 µg/L
- 5 - 50 µg/L
- 50 - 100 µg/L
- 100 - 500 µg/L
- >500 µg/L

Figure 2a
Dissolved PCE in Groundwater
Plume Map

South "Y" PCE Plume
 South Lake Tahoe, CA



- 1 948 3rd St. (Emerald Bay Towing)
- 2 2028 to 2042 5th St. (Various automobile repair businesses)
- 3 1700 D St. (City of South Lake Tahoe repair facility)
- 4 1746/1748 D St. (Tahoe Import Auto)
- 5 1796 D St. (Perry's Auto Body)
- 6 2048/2050 Dunlap Dr. (Tahoe Mobile Auto)
- 7 2108 Dunlap Dr. (Sierra Alternators & Starters)
- 8 2116 Dunlap Dr. (South Side Auto Body/Tahoe Printing)
- 9 2132 Dunlap Dr. (South Tahoe Refuse Co.)
- 10 2140 Dunlap Dr. (Meyers Marine/Coast Oil Co.)
- 11 887 Eloise Ave. (Precision Auto Body)
- 12 912 Eloise Ave. (Sunshine Taxi)
- 13 920 Eloise Ave. (South Side Auto Body)
- 14 927 Eloise Ave. (Sierra Automotive)
- 15 933 Eloise Ave. (Liberty Utilities/Sierra Pacific Power Co.)
- 16 934 Eloise Ave. (South Side Auto Body)
- 17 2060 Eloise Ave. (Redwood Oil)
- 18 2143 Eloise Ave. (Eloise Automotive & Alignment)
- 19 2176 Eloise Ave. (George's Performance)
- 20 913 Emerald Bay Rd. (Sierra Mail service station)
- 21 924 Emerald Bay Rd. (Honda dealership)
- 22 941 Emerald Bay Rd. (Chem-Dry/Custom Carpet Cleaning)
- 23 948 Emerald Bay Rd. (Hurtz/Kern's Cleaners)
- 24 988 Emerald Bay Rd. (Rhunels Automotive)
- 25 1000 Emerald Bay Rd. (Exxon service station)
- 26 1020 Emerald Bay Rd. (Shell service station)
- 27 1055 Emerald Bay Rd. (Kmart)
- 28 1069 Emerald Bay Rd. (Chevron service station)
- 29 1119 Emerald Bay Rd. (L&L Auto Body & Part Shop)
- 30 1140 Emerald Bay Rd. (USA Gasoline service station)
- 31 2104 Emerald Bay Rd. (Kern's Tire Service) (Not Shown)
- 32 1030 Industrial Ave. (Sierra Shirts, Inc.)
- 33 1104 Industrial Ave. (Tahoe Asphalt)
- 34 2070 James Ave. (Berry-Hinckley Industries)
- 35 1855 Lake Tahoe Blvd. (Sheradi Motors)
- 36 1875 Lake Tahoe Blvd. (South Shore Motors)
- 37 1901 Lake Tahoe Blvd. (Les Schwab/Tony Libon Motors)
- 38 1920 Lake Tahoe Blvd. (CDK Auto, Inc.)
- 39 1931/1935 Lake Tahoe Blvd. (Rogers/Lakeside Automotive)
- 40 1961 Lake Tahoe Blvd. (Big O Tires)
- 41 2022 Lake Tahoe Blvd. (S&S/Lampson/Sierra dyesticians)
- 42 2301 Lake Tahoe Blvd. (Tahoe One Hour Cleaners)
- 43 2304 Lake Tahoe Blvd. (Beacon service stations)
- 44 2314 Lake Tahoe Blvd. (Ed's Auto Body)
- 45 2317 Lake Tahoe Blvd. (Wheel Works)
- 46 807 Roger Ave. (Ted's Fix-It Shop)
- 47 2105 Ruth Ave. (Art's Transmission)
- 48 2119 Ruth Ave. (Fast Star Automotive)
- 49 2140 Ruth Ave. (South Tahoe Refuse Co.)
- 50 2188 Ruth Ave. (California Colors Truck & Auto Body)
- 51 1663/1669/1679 Shop St. (City of South Lake Tahoe cleaning facility)
- 52 2170 South Ave. (Barton Memorial Hospital)
- 53 1030 Tala Ln. (Kmart Garden Center/Missouri's dealership)

Legend:

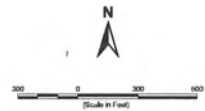
- Sites with Reported or Suspected PCE Use
- Water Supply Well
- ▲ CPT and ODW Sample (June 2017 to Present)
- ◆ ODW Sample (June 2017 to Present)
- ◆ Monitoring Well Pair (June 2017 to Present)
- Sanitary Sewer Line with Flow Direction
- Property Boundaries

Abbreviations:

- CPT = cone penetration test
- ODW = grab groundwater
- LTLW = Lake Tahoe Laundry Works
- PCE = tetrachloroethane

Notes:

1. All locations are approximate.
2. Basemap source: Google Earth Pro, date of imagery 7 June 2018.
3. California State Plane Coordinate System NAD1983, Zone 2.



Sites with Reported or Suspected PCE Use



March 11, 2022

Mr. Ivo Bergsohn, P.G., H.G.
South Tahoe Public Utility District
1275 Meadow Crest Drive
South Lake Tahoe, CA 96150

SUBJECT: Letter of Support for Draft Alternative Plan for the Tahoe Valley South Groundwater Subbasin – First 5-Year Update

Dear Mr. Bergsohn,

The El Dorado Water Agency (EDWA) has been actively engaged with the South Tahoe Public Utility District (District) in past and current planning processes for the Tahoe Valley South Groundwater Subbasin (Subbasin). EDWA is the State-designated Groundwater Management Agency for areas outside of the District's service area, and we have supported the development of the Draft Alternative Plan 5-Year Update (Plan Update).

We recognize the Subbasin's importance as the primary source of potable water for the entire South Lake Tahoe portion of El Dorado County. EDWA places a high priority on this resource and is committed to its sustainability as documented in EDWA's 2019 Water Resources Development and Management Plan.

EDWA has participated in the Stakeholder Advisory Group activities contributing to the preparation of the Plan Update. The Plan Update addresses several anthropogenic and natural threats to the Subbasin as a high quality source of potable water. Future actions identified in the Plan Update will be important to advance and help ensure that the Subbasin continues to be a reliable water supply for all purveyors and independent well owners in the region.

EDWA fully supports the Plan Update and looks forward to continuing its support of the District's lead role in planning and management of the Subbasin.

Sincerely,

A handwritten signature in black ink that reads "Kenneth V. Payne".

Kenneth V. Payne, P.E.
General Manager

(530) 621-5392
4330 Golden Center Drive, Suite C, Placerville, CA 95667
edcwa@edcgov.us
EDWaterAgency.org