BOARD OF DIRECTORS
SAN LORENZO VALLEY WATER DISTRICT
REGULAR MEETING
AGENDA
AUGUST 17, 2023

MISSION STATEMENT: Our Mission is to provide our customers and future generations with reliable, safe and high quality water at an equitable price; to create and maintain outstanding service and community relations; to manage and protect the environmental health of the aquifers and watersheds; and to ensure the fiscal vitality of the San Lorenzo Valley Water District.

Notice is hereby given that a regular meeting of the Board of Directors of the San Lorenzo Valley Water District will be held on **Thursday, August 17, 2023, at 5:30 p.m.,** SLVWD Conference Room, 12788 Highway 9, Boulder Creek, the residence at 722 Valley View Rd., Ben Lomond, CA, and via videoconference and teleconference. **Open Session begins at 6:30 p.m.**

Any person in need of any reasonable modification or accommodation in order to participate in the meeting may contact the District Secretary's Office at (831) 430-4636 a minimum of 72 hours prior to the scheduled meeting.

This meeting is being conducted as an in-person meeting under the Brown Act, Government Code section 54953, and a quorum of the Board must participate from the location(s) within the District that are identified above. Members of the public may attend the meeting at the identified location(s). Teleconferencing/videoconferencing access as set forth below is being provided as a convenience only and is not guaranteed. The meeting may continue in person even if teleconferencing/ videoconferencing capability is disrupted or unavailable.

To join the meeting click the link below, or type it into your web browser.

Webinar/Public link:
https://us02web.zoom.us/j/85144108029

+1 346 248 7799
+1 669 900 6833
+1 253 215 8782

Webinar ID: **85144108029**

Agenda documents are available on the District website at www.slvwd.com subject to staff's ability to post the documents before the meeting.

1. Convene Meeting/Roll Call

2. Changes to Closed Session Agenda:

Additions to the Agenda, if any, may only be made in accordance with California Government Code Section 54954.2 (Ralph M. Brown Act) which includes, but is not limited to, additions for which the need to take action is declared to have arisen after the agenda was posted, as determined by a two-thirds vote of the Board of Directors (or if less than two-thirds of the members are present, a unanimous vote of those members present).

3. Oral Communications Regarding Items in Closed Session:

This portion of the agenda is reserved for Oral Communications by the public for items which are on the Closed Session portion of the Agenda. Any person may address the Board of Directors at this time, on Closed Session items. Normally, presentations must not exceed three (3) minutes in length, and individuals may only speak once during Oral Communications. No actions may be taken by the Board of Directors on any Oral Communications presented; however, the Board of Directors may request that the matter be placed on a future agenda. Please state your name and town/city of residence at the beginning of your statement for the record.

4. Adjournment to Closed Session

At any time during the regular session, the Board may adjourn to Closed Session in compliance with, and as authorized by, California Government Code Section 54956.9 and Brown Act, Government Code Section 54950. Members of the public will be given the opportunity to address any scheduled item prior to adjourning to closed session.

a. CONFERENCE WITH LEGAL COUNSEL- ANTICIPATED LITIGATION
Possible initiation of litigation pursuant to:
Gov. Code section 54956.9 (d)(4)
One Case

If necessary the Board of Directors may re-adjourn to Closed Session after the Open Session in order to complete the Closed Session agenda items, as allowed by the Brown Act and the District's Board Policy Manual, Section 9.A. All public comments regarding Closed Session items will be taken right after the meeting starts at 5:30 p.m.

Closed Session Note:

The Brown Act prohibits the disclosure of confidential information acquired in a closed session by any person present and offers various remedies to address willful breaches of confidentiality. These include injunctive relief, disciplinary action against an employee, and referral of a member of the legislative body to the grand jury. It is incumbent upon all those attending lawful closed sessions to protect the confidentiality of those discussions. Only the legislative body acting as a body may agree to divulge confidential closed session information; regarding attorney/client privileged communications, the entire body is the holder of the privilege and only a majority vote of the entire body can authorize the waive of the privilege.

5. Re-Convene Meeting/Roll Call

6. Report of Actions Taken in Closed Session

7. Changes to the Agenda:

Additions to the Agenda, if any, may only be made in accordance with California Government Code Section 54954.2 (Ralph M. Brown Act) which includes, but is not limited to, additions for which the need to take action is declared to have arisen after the agenda was posted, as determined by a two-thirds vote of the Board of Directors (or if less than two-thirds of the members are present, a unanimous vote of those members present).

8. Oral Communications:

This portion of the agenda is reserved for Oral Communications by the public on any subject that lies within the jurisdiction of the District and is not on the agenda. Any person may address the Board of Directors at this time. Normally, presentations must not exceed three (3) minutes in length, and individuals may only speak once. Please state your name and town/city of residence for the record at the beginning of your statement. Please understand that the Brown Act limits what the Board can do regarding issues not on the agenda. No action or discussion may occur on issues outside of those already listed on today's agenda. Any Director may request that a matter raised during Oral Communication be placed on a future agenda.

9. Unfinished Business: None

10. New Business:

a. EXPOSED SAN LORENZO VALLEY WATER DISTRICT INFRASTRUCTURE ON BROOKSIDE DRIVE, FELTON
Discussion and possible action by the Board regarding exposed pipeline on Brookside Drive in Felton due to December 31, 2022 winter storm.

b. 2023-25 STREAMFLOW, SALINITY AND TEMPERATURE MONITORING AND OPERATIONAL GAUGING CONTRACT AWARD
Discussion and possible action by the Board regarding the 2023-25 Temp & Flow contract award.

c. CONJUNCTIVE USE UPDATE & MODELING TECHNICAL SUPPORT CONTRACT AWARD
Discussion and possible action by the Board regarding Conjunctive Use update & modeling technical support contract award.

d. CZU BASIC WAIVER HOMES POLICY
Discussion and possible action by the Board regarding the CZU Basic Waiver Homes policy.

e. BLUE RIDGE TANK AGREEMENT CHANGE ORDER
Discussion and possible action by the Board regarding a change order to the Blue Ridge Tank agreement.

f. CAPITAL RESERVE POLICY
Discussion and possible action by the Board regarding the SLVWD Capital Reserve Policy.

g. DROUGHT STATUS
Discussion and possible action by the Board regarding changing the District's drought status from Stage 2 to Stage 1.

11. Consent Agenda:

The Consent Agenda contains items which are considered to be routine in nature and will be deemed adopted by unanimous consent if no Director states an objection. Any item on the consent agenda will be moved to the regular agenda upon request from an individual Director.

a. APPROVAL OF BOARD OF DIRECTORS MINUTES 7.20.23

b. APPROVAL OF BOARD OF DIRECTORS MINUTES 8.3.23

12. District Reports:

No action will be taken and discussion may be limited at the Chairperson's discretion. The District encourages that questions be submitted in writing (bod@slvwd.com) on items listed in the District Reports. Questions submitted, if any, will be posted in the next available District Reports, along with a reply.

- DEPARTMENT STATUS REPORTS
  Receipt and consideration by the Board of Department Status Reports regarding ongoing projects and other activities.
  - Engineering
  - Environmental
  - Finance
  - Operations
- COMMITTEE REPORTS
  - Future Committee Agenda Items
  - Committee Meeting Notes/Minutes
    - Engineering & Environmental Committee Minutes 8.4.23
    - Administration Committee Minutes 8.4.23
    - Budget & Finance Committee Minutes 8.8.23

13. Written Communication: None

14. Informational Material: None

15. Adjournment

The Next Board of Directors Meeting is Scheduled for September 7, 2023.

MEMO

DATE: August 17, 2023

TO: Board of Directors, San Lorenzo Valley Water District

FROM: Rick Rogers, District Manager

SUBJECT: Brookside Drive Felton, 2023 Winter Storm Damage Main Replacement

WRITTEN BY: Rick Rogers, District Manager

PRESENTED BY: Rick Rogers, District Manager

STAFF RECOMMENDATION

Staff recommends the Board review and comment in regards to Brookside Drive, Felton 2023 Winter Storm Damage Main Replacement project

RECOMMENDED MOTION

No action is recommended.

BACKGROUND

In early January 2023, several culverts along Brookside Drive in Felton were clogged by extreme winter runoff during an atmospheric event. The clogged culverts redirected the winter runoff into the Shinglemill Creek channel and the roadway washing out the majority of Brookside Drive and blocking access to many homes. When the road washed out it also damaged and exposed the District's 2" water main located in Brookside

Drive. Staff responded and restored temporary water service to the homes impacted.
As part of the overall storm damage, the district submitted a damage claim to FEMA. Staff is currently working with FEMA to get this project obligated which approves the scope of work for replacement. The FEMA Scope of work is as follows:

Damage: The road washed out, exposing the main in multiple locations; the main break at the west end of the road.

Proposed Repair: Replace approximately 1,650-LF of exposed/damaged main with new fully restrained 8-in ductile iron pipe; to include excavation, bedding, pipe material (pipe, gaskets, bolt kits, mechanical joints as needed) and construction, valves (with valve boxes, bolt kits, and gaskets), services (saddles, 1-in PE tubing, meter boxes, meters as needed), slurry backfill, paving, air relief valve at the high point of the project, tie-in to existing main in Redwood Drive, traffic control, chlorination, flushing, and testing of completed main, and disposal of excavation spoil and demolished existing main.

Permanent Repair Cost Estimate: $800,000

To date, the district has procured services for surveying which is needed for design work. On August 7, 2023, the District Manager and District Engineer field reviewed the damage and are working on a plan to restore the road to pre-disaster conditions until a permanent replacement can be completed in Spring 2024. Staff has reached out to several residents to

schedule a field meeting to discuss working together to restore the road. Currently, all residents have vehicle access to their homes however deliveries such as propane have not been reinstated. The District is moving forward with design, environmental review, and replacement bidding targeting construction in early Spring.

ENVIRONMENTAL REQUIREMENTS

Riparian corridor Shinglemill Creek

PRIOR COMMITTEE ACTION

None

FISCAL IMPACT

$800,000 FEMA 75% reimbursement if obligated

ATTACHMENTS AND RELEVANT LINKS TO THE DISTRICT WEBSITE

- Neighbors Documentation submitted to Board August 03, 2023

STATEMENT

DATE: August 3, 2023

TO: Board of Directors, San Lorenzo Valley Water District

FROM: The neighbors of Brookside Drive, Felton CA

SUBJECT: Emergency Action Request for Repair of Exposed SLVWD infrastructure on Brookside Drive from FEMA winter storms (4683 & 4699)

TESTIMONY and SEQUENCE OF EVENTS (followed by pictures)

On the morning of December 31st, 2022, during the early hours of the first atmospheric event (aka FEMA 4683), my neighbors reported low water pressure. A team of SLVWD employees arrived and began looking for the pipe break, an impossible task given our road was quickly turning into a river.

At 1:30pm, while SLVWD employees were working, we received the following:
From: **donotreply@scr911.org** <no-reply@onsolve.com>
Date: Sat, Dec 31, 2022 at 1:33 PM
This is an emergency message from Felton Fire Department. Brookside Drive is quickly deteriorating and evacuations on a voluntary basis are highly recommended, due to flooding over the roadway.

My neighbors evacuated just in time and returned the following day to utter devastation. Melissa Sexton and Todd Cook at 1058 Brookside Drive, the last home on the block, didn't even have time to move their second car, the Subaru.

The river washed out our road exposing vulnerable SLVWD infrastructure, pipes that by most estimates date to the 1920s or 30's. These 90–100-year-old pipes serve 12 households on Brookside Drive, a one-lane private road in Felton that runs along Shinglemill Creek, spanning approx. 1500ft, or less than .25 mile.

I notified SLVWD of the exposed pipes through Customer service On Jan 6, 2023, at 1:01 PM, Chelsea Sladwick <csladwick@slvwd.com>

I received the following SLVWD correspondence on January 9th, 2023

From: Chelsea Sladwick <csladwick@slvwd.com>
Subject: RE: Brookside Drive exposed pipes/washout from Pine water pipe breakage
Date: January 9, 2023 at 10:45:01 AM PST
To: Chris Keller <chris@chriskeller.com>

Good morning Chris,

Please see response from our Director of Operations Below:

We are currently working internally on a solution to this exposed main line. Trenching and lowering of the main line will need to be complete. The District estimates 3 of 4 weeks to be able to do so.

Thank you,

James Furtado
Director of Operations
San Lorenzo Valley Water District
jfurtado@slvwd.com
(831)430-4631

It's now 8 months later, so you can understand our frustration as many of my neighbors are seniors and families with small children. Four of the families are *still unable to access their homes because of the road and fallen trees.*

While power and water were restored following the New Year's Eve disaster, our road was not, and the exposed and antiquated SLVWD pipes are now the obstacle, preventing us from moving forward with these crucial road repairs.

Thankfully, we collectively applied for FEMA aid, and thus far, we've had 7 of 9 FEMA claims for #4683 granted with 2 claims pending, and we have 9 pending claims for #4699, since the second federally declared disaster in February further eroded our road, creating dangerous sinkholes and causing portions of our road to collapse into Shinglemill creek. With approval of the 2 pending 4683 claims, we'd be at $360k, and should our 9 claims for #4699 be approved, we would have double that figure to rebuild and pave our road. We qualified under FEMA's IHP (Individual & Households Program) for private roads and bridges. (As a private road, we don't receive any County support for our road.)

With fire season upon us, we consider this to be an urgent matter because if we had a fire, all our homes would burn, as firetrucks can no longer access us, even though we're located 1 mile from Felton Fire and CAL Fire headquarters. The CZU fire came within a mile of our homes, and we were evacuated for 10 days.

Even USPS and UPS won't allow their drivers on our road. This week, Davey Tree's heavy machinery ran over and broke the exposed line. PG&E has agreed to return and remove the remnants of the massive trees that fell on our road, but now will not send Davey Tree back until the SLVWD pipes are retrenched.

The home of Mathew Needham at 1006 still has a tree in the living room because a crane cannot access for fear their machinery would obliterate the pipes.

QUESTIONS FOR SLVWD and the BOARD of DIRECTORS:

1. With the FEMA funds granted for rebuilding, w**e are ready to proceed with road repairs so we can restore access for our neighbors and emergency vehicles and will begin Monday, October 16th.** With winter coming, we are all getting nervous as our road will not make it through another winter.

What steps will SLVWD take in the 2.5 months to prepare their exposed and brittle infrastructure?

2. Is **Brookside Drive in Felton on the SLVWD FEMA project list**? If not, what steps will SLVWD take to have FEMA inspect our road? The broken pipes and exposed infrastructure are a direct result from these federally declared disasters.

3. Mark Magdaleno at Granite Construction is our contractor. **Would SLVWD consider having Mark provide an estimate for the SLVWD infrastructure upgrade so one contractor is handling the entire Brookside Drive Project?**

4. If SLVWD does not do an infrastructure upgrade between now and October 16th, how will SLVWD handle the exposed infrastructure? Will SLVWD be prepared to deal with 90-100 year old brittle pipes buried under asphalt?

FINANCIAL RESOURCES for SLVWD:

Given SLVWD's ancient infrastructure, has SLVWD considered tapping into the Bipartisan Infrastructure Law (BIL) & Inflation Reduction Act (IRA) funds through U.S. EPA and U.S. Army Corps of Engineers to help with budgetary shortfalls?

There are also funds available through EPA's Water Infrastructure Finance and Innovation Act (WIFIA) for low interest, long-term loans. (Santa Cruz was awarded $128 million in May, Soquel was awarded $88 million for water reuse three years ago. Redwood City, Union City, Newark, Sunnyvale, and many other cities received millions in the form of grants and loans through CA and EPA.) Has SLVWD applied for these programs, and if so, what is the status?

Additionally, California Water Board's Drinking Water State Revolving Fund (DWRSF) can help areas with lead pipes/aging infrastructure. Has SLVWD applied for those programs? If so, where does SLVWD stand in this process?

Thank you for reviewing our situation and addressing our questions. We kindly ask that the board authorize an infrastructure upgrade for Brookside Drive in Felton, as we are running out of time and have an October 16th deadline. We have the funds to now pave, which will fully protect new SLVWD infrastructure.

On behalf of all of us on Brookside Drive, thank you for your kind consideration.

Best,

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899 BROOKSIDE DRIVE
FELTON, CA 95018
310 890-5734
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MARK LIVINGSTON
846 BROOKSIDE DRIVE
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831 335-1361

LUZIA KRULL
831 BROOKSIDE DRIVE
FELTON, CA 95018
831 335-7977

Brookside Drive

Agenda: 8.17.23
Item: 10a

January 20, 2023

Parcels

Parcels

Streams

INTERMITTENT

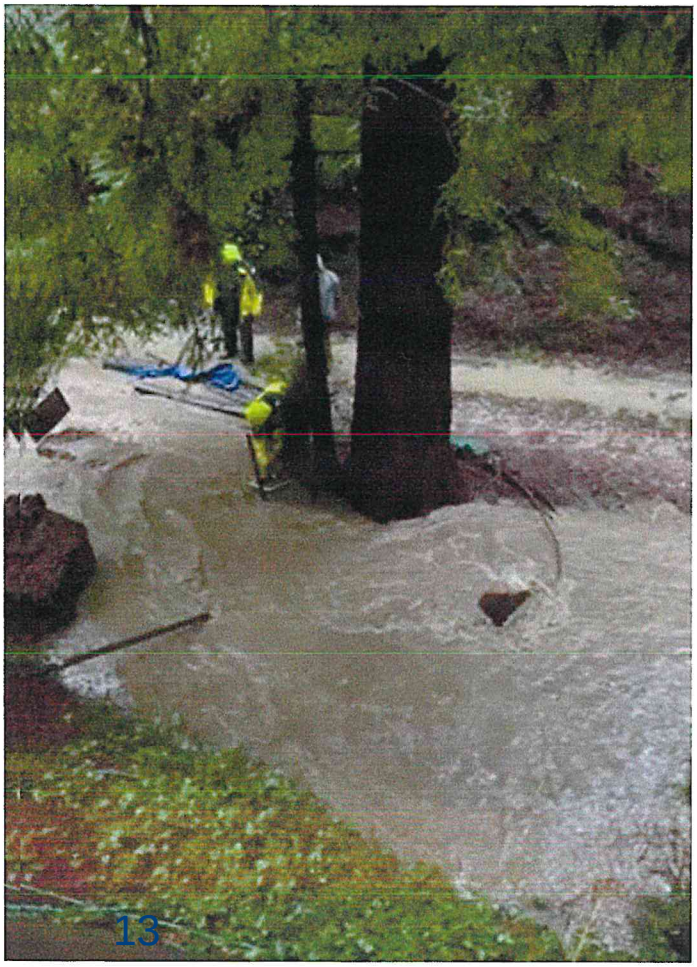
PERENNIAL

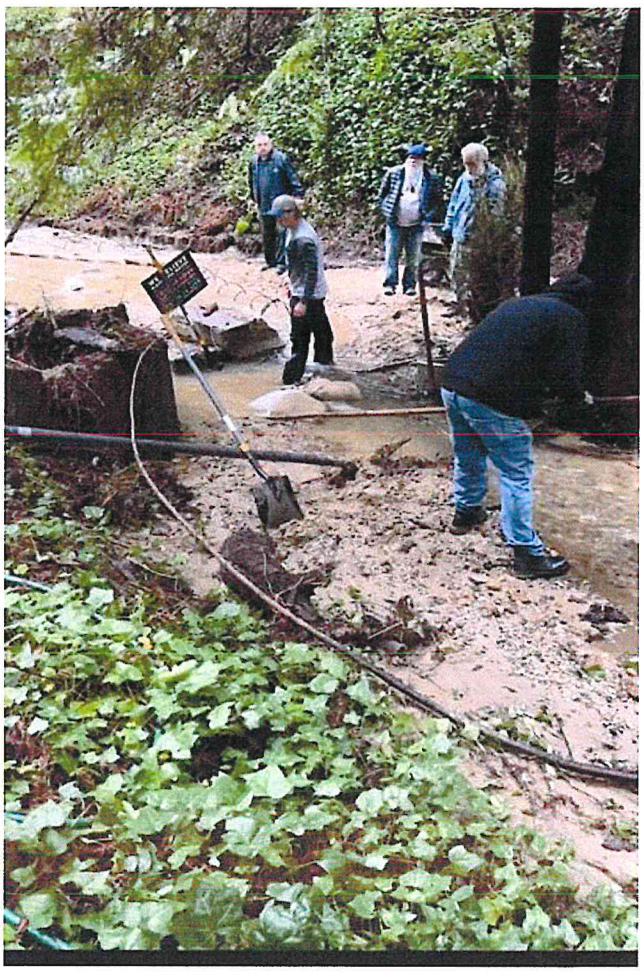
1:3,240

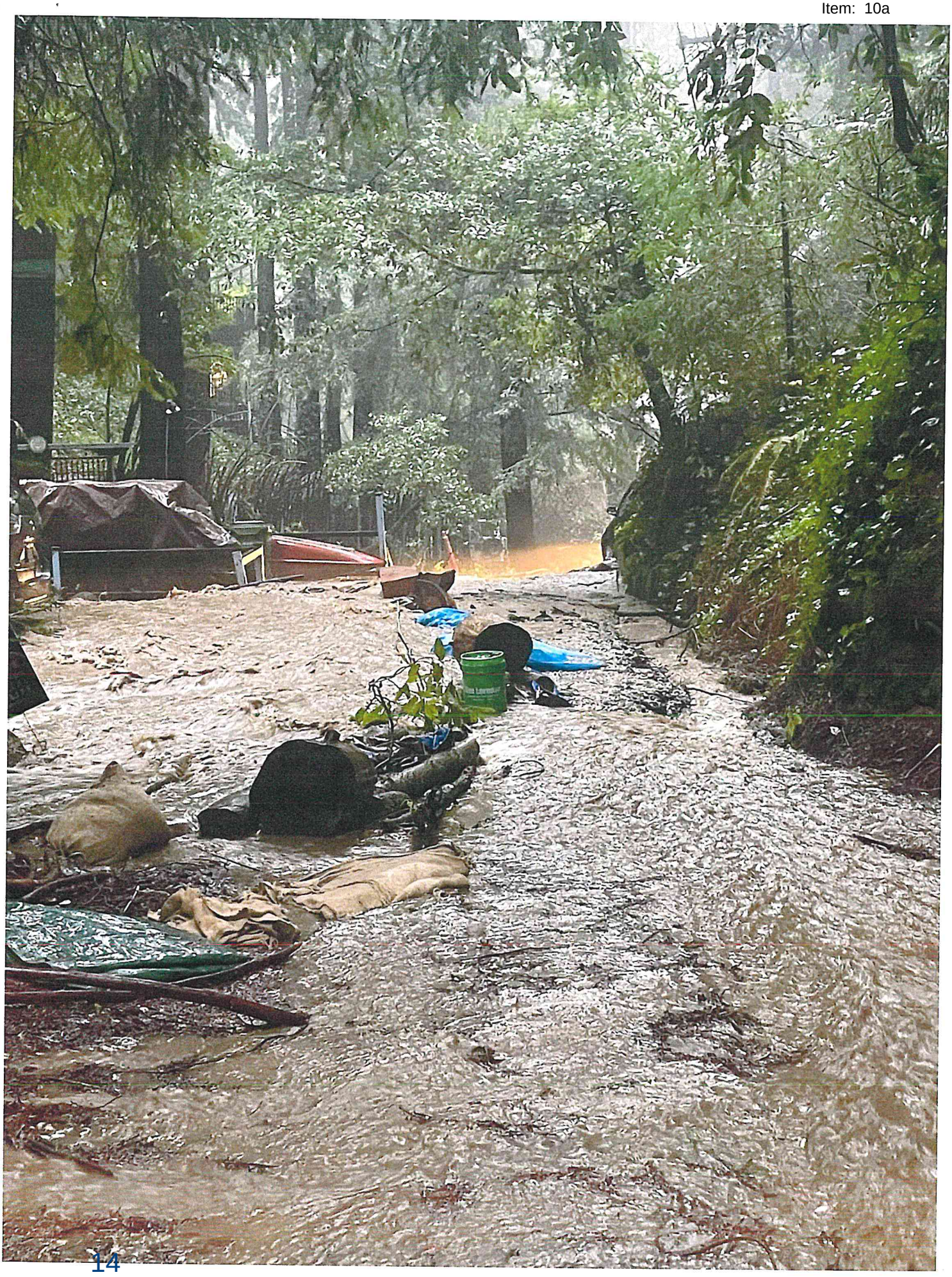
0 150 300 600 ft

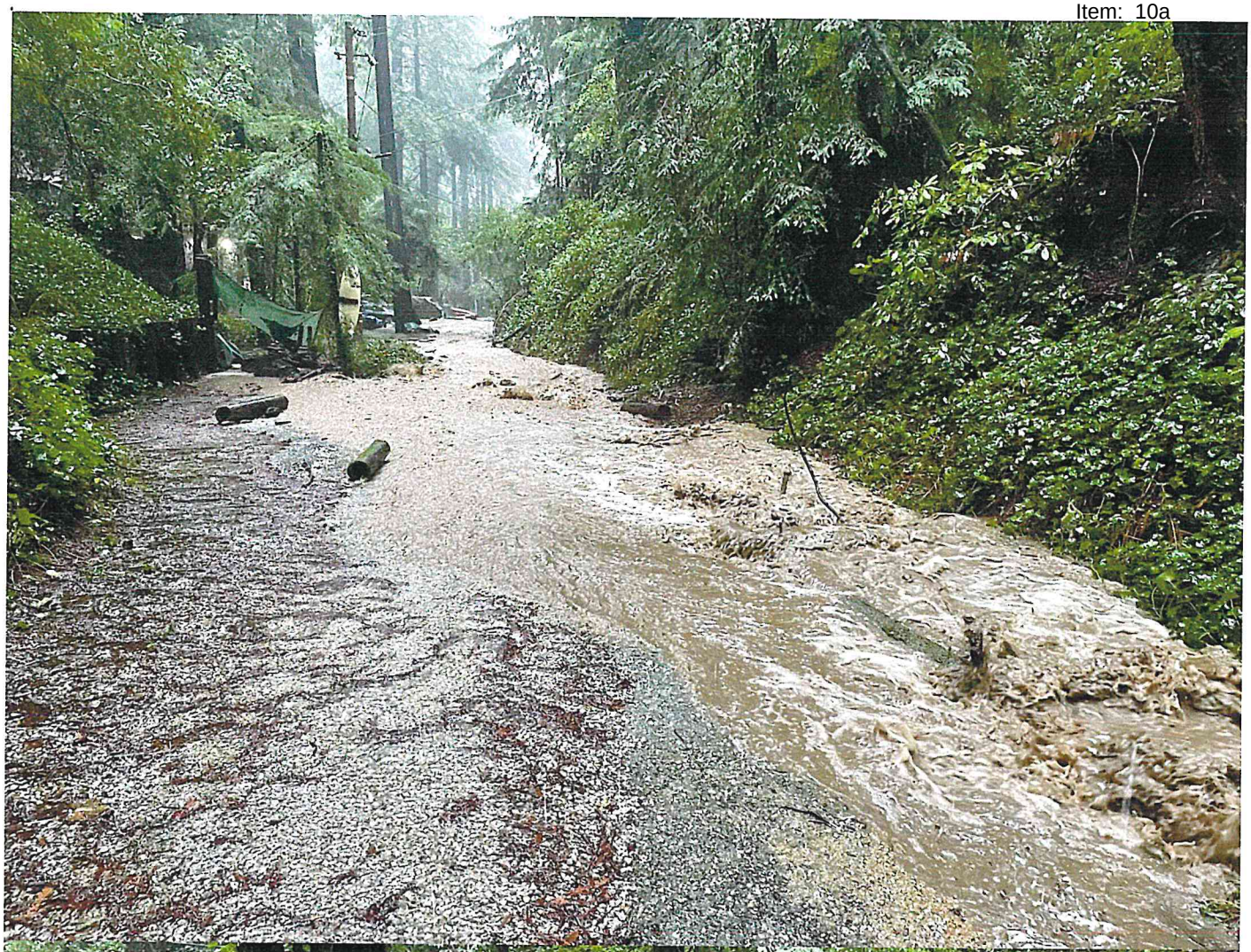
0 45 90 180 m

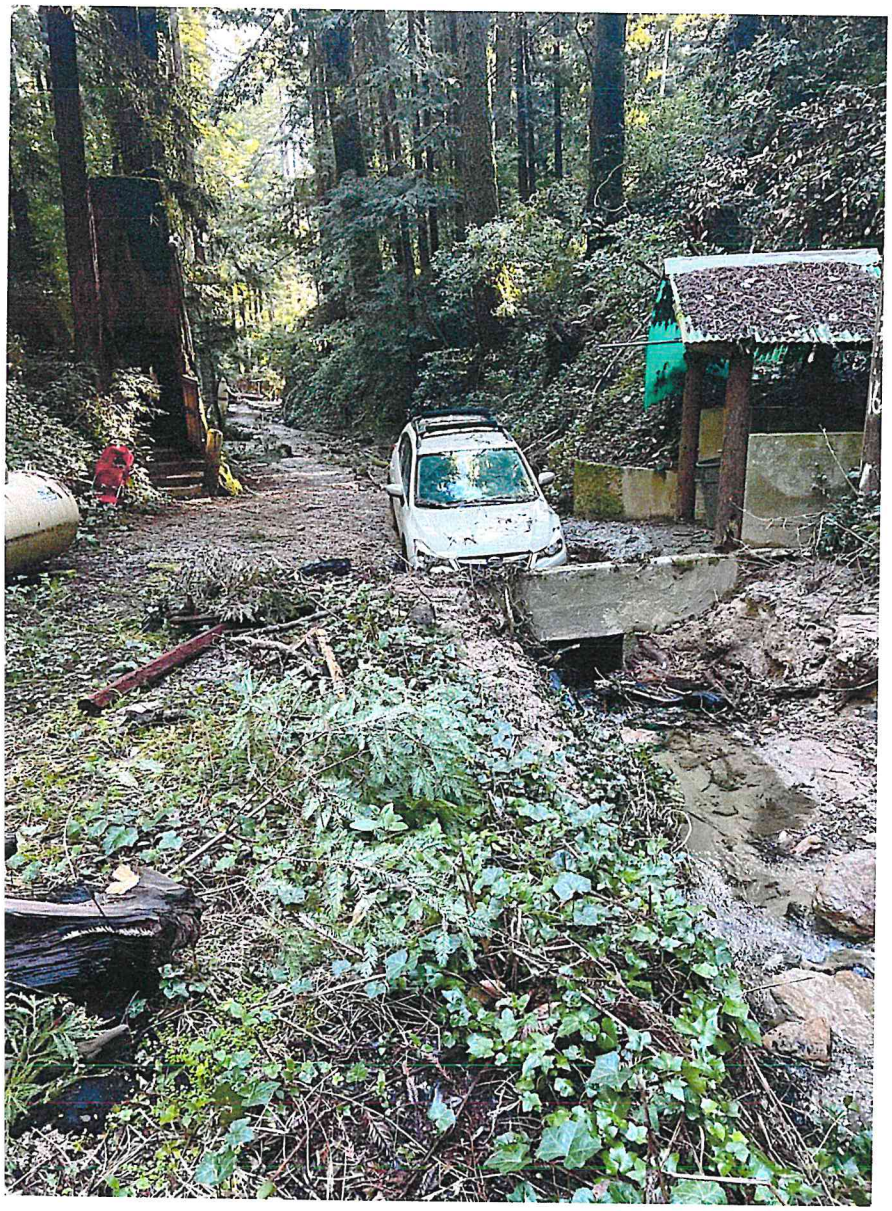
County of Santa Cruz
San Mateo County Resource Conservation District, Cal Fire, California

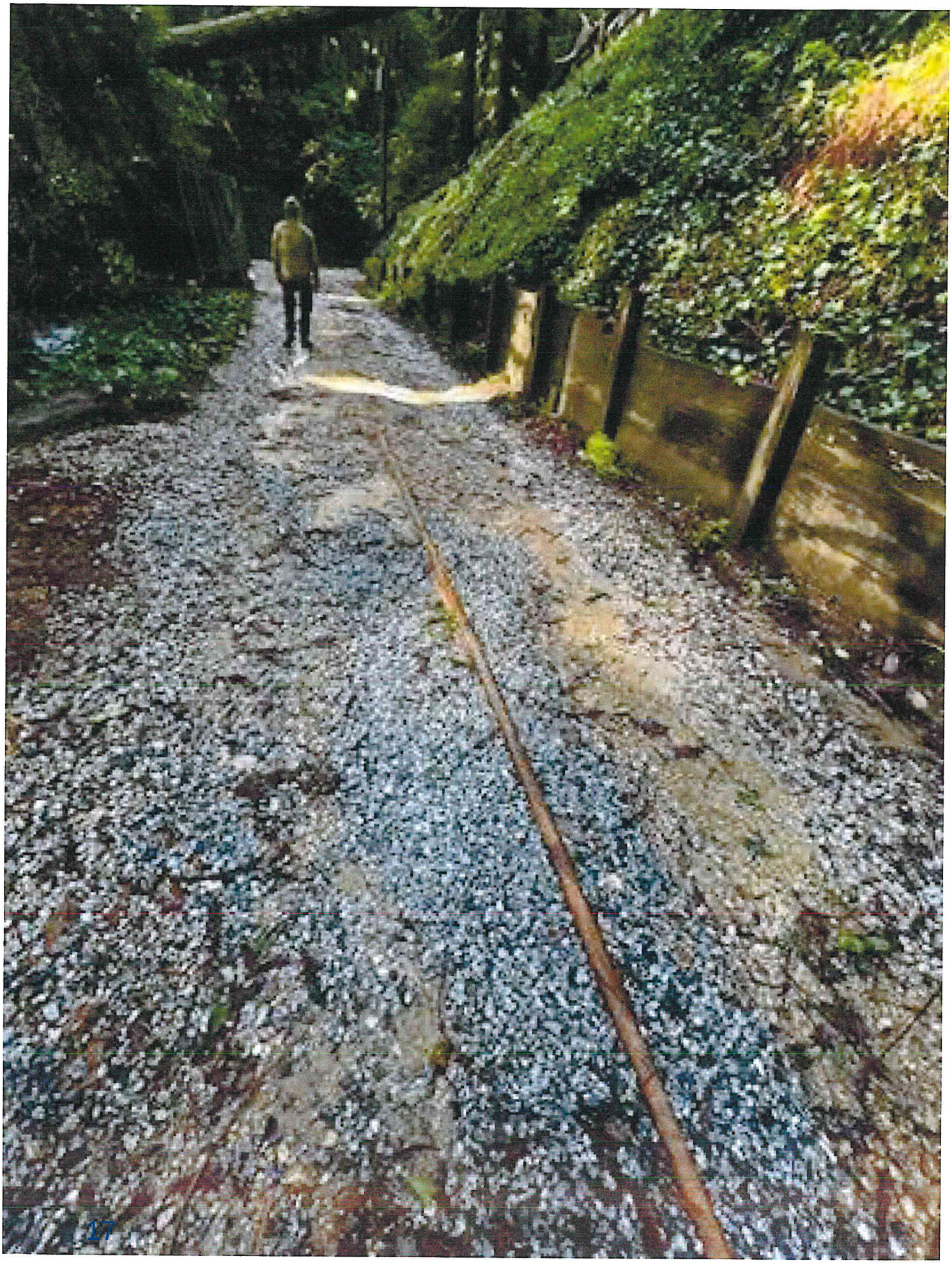


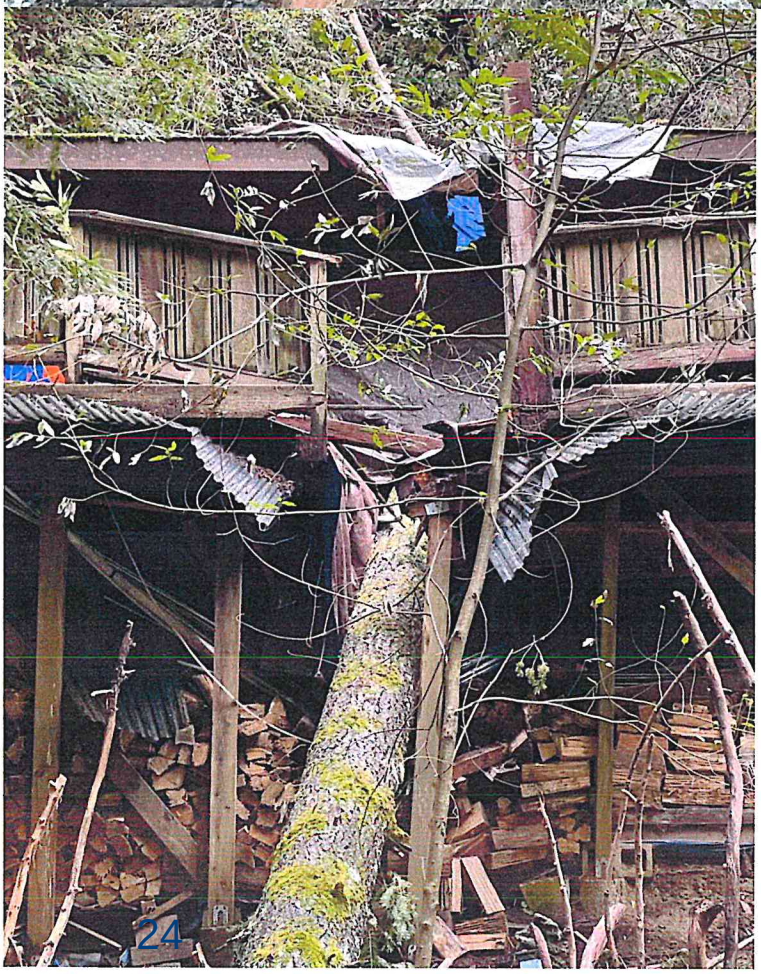


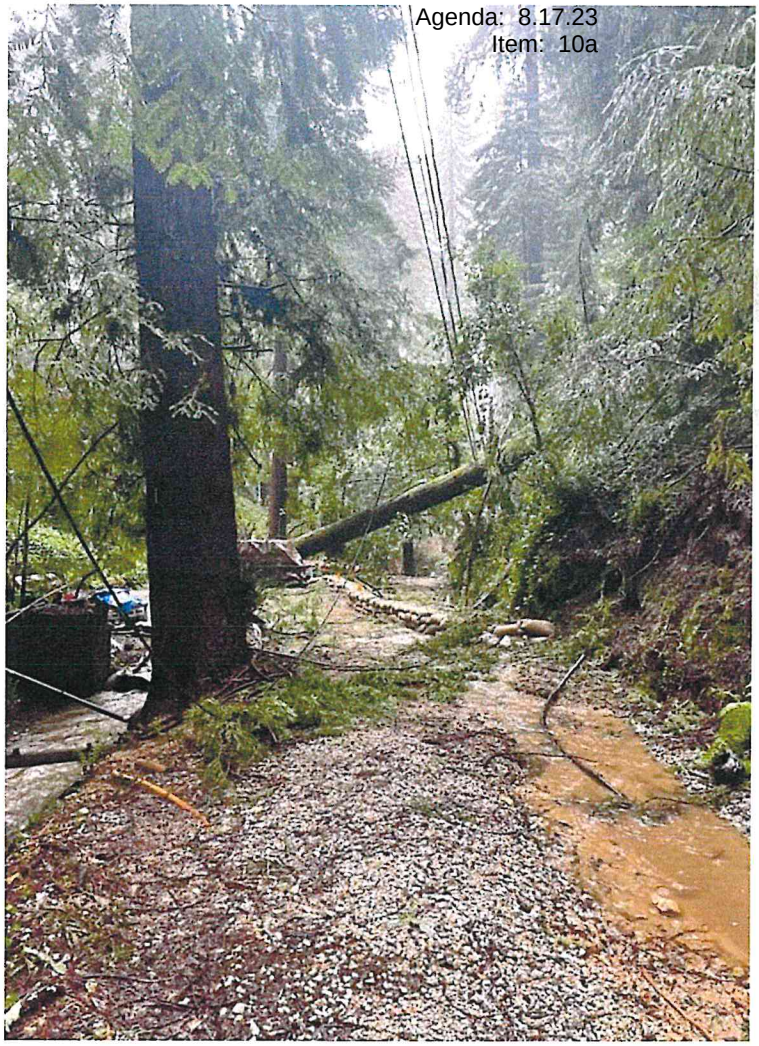












DATE: 8/17/2023

TO: Board of Directors, San Lorenzo Valley Water District

FROM: Rick Rogers, District Manager

SUBJECT: 2023-25 Streamflow, Salinity and Temperature Monitoring and Operational Gauging Contract Award

WRITTEN BY: Carly Blanchard, Environmental Programs Manager

PRESENTED BY: Carly Blanchard

STAFF RECOMMENDATION

It is recommended that the Board of Directors review this memo and direct the District Manager to enter a contract with Balance Hydrologics.

RECOMMENDED MOTION

I move that: **The Board of Directors direct the District Manager to enter a contract with Balance Hydrologics in an amount not to exceed $119,000 for the purposes of the 2023-2025 Streamflow, Salinity and Temperature Monitoring and Operational Gauging program.**

BACKGROUND

In water year (WY) 2014 the District began a long-term stream flow and water quality monitoring program on all of its active diversions to collect and record streamflow/diversion data. The data is used to inform regulatory agencies, assist with operations and establish a baseline for future projects. In WY2019 a more refined monitoring and diversion-management program was developed, reducing gaging to dry season monitoring and removal of

gages on nonoperational diversions. The District also requested to separate the ecological & operational gauging. These ecological data will be used to evaluate the potential impact of the SLVWD diversions on streamflow and temperature for 'ecological' regulatory purposes, for habitat, and for potential conjunctive-use studies. While the operational data will be used to better understand how its diversions may affect flow and habitat values, ensure compliance with water rights bypass requirements, and allow for treatment operators to easily assess diversion flows.
On April 27th, 2023 the District released a Request for Proposals (RFP) for qualified firms to complete the 2023-2025 Streamflow, Salinity and Temperature Monitoring and Operational Gauging program. The RFP closed June 8th, 2023 and two proposals were received. Balance Hydrologics (Exhibit A) and cbec, inc. eco engineering (Exhibit B).

Both firms met all the requirements of the RFP and were highly qualified. However, staff is recommending Balance Hydrologics for the contract due to their previous experience, history with the District's monitoring/gaging, and their total 23-25 budget.

PRIOR COMMITTEE ACTION

None

FISCAL IMPACT

~$119,000

ENVIRONMENTAL IMPACT

None

ATTACHMENTS AND RELEVANT LINKS TO DISTRICT WEBSITE

- Exhibit A: Balance Hydrologics Proposal for San Lorenzo Valley Water District Streamflow Monitoring
- Exhibit B: cbec Water Year 2023-2025 Ecological and Operational Streamflow Monitoring
- District Project Page

Statement of Qualifications

Water Year 2023–2025 Ecological and Operational Streamflow Monitoring

Developed by

cbec eco engineering

Developed for

San Lorenzo Valley WATER DISTRICT

Proposal Manager
Chris Hammersmark, PhD, PE
Proposal #P23-21
July 1, 2022

519 Seabright Ave, Suite 102, Santa Cruz, CA 95062 | 916.231.6052 | cbecoeng.com

Table of Contents

1. Executive Summary

Attn: Carly Blanchard, Environmental Programs Manager
San Lorenzo Valley Water District
13060 Highway 9, Boulder Creek, CA 95006
cblanchard@slvwd.com

June 8, 2023

RE: RFP FOR WATER YEAR 2023-2025 ECOLOGICAL AND OPERATIONAL STREAMFLOW MONITORING

Dear Ms. Blanchard,

cbec eco engineering (cbec) is pleased to submit this proposal to the San Lorenzo Valley Water District (SLVWD) for dry season flow and temperature monitoring on Foreman, Boulder, and Fall Creeks.

cbec specializes in eco engineering, a term that refers to the practice of water resources engineering focused on providing ecologically-sensitive and environmentally-sustainable solutions in the fields of hydrology, hydraulics, geomorphology, and restoration design. cbec cultivates innovative solutions for water resources challenges through stream and river restoration, process-based watershed assessments, habitat restoration for native species, multi-objective floodplain management, sediment management, and water quality monitoring. cbec focuses primarily on stream, river, and wetland environments, and where possible, develops solutions by working from the watershed scale down to the sub-reach scale.

We have amassed hydrologic analysis experience—specifically streamflow monitoring—in both urban and rural environments, ranging from the Pacific Coast, through the Central Valley, and up into the Sierras. cbec staff have over 15 years of experience characterizing and quantifying exchanges in surface- and ground-water systems, and associated impacts to aquatic ecosystems. cbec staff routinely employ emerging and innovative technologies for data acquisition and analysis to collect high quality data at reasonable costs. We frequently perform repeat surveys to characterize changes of stream and river environments in response to flood flows, sedimentation, and/or other drivers. As part of many of our projects, we install and georeference staff plates and pressure transducers to support hydrologic monitoring efforts. Beyond the key staff highlighted in this brief submittal, cbec has the ability to draw upon on the knowledge of our diverse team of engineers, hydrologists, geomorphologists, technicians, and GIS specialists, in order to satisfy the needs of this proposed effort. cbec is equipped to support all proposed tasks internally, therefore we did not include Section 3 “Identification of Sub Consultants.”

In addition to cbec’s extensive project experience in Santa Cruz County, we also have existing relationships with various prominent organizations in the region. We are currently supporting your Conjunctive Use Program by conducting hydraulic/habitat analyses on Boulder Creek and

providing additional hydrologic analyses to quantify potential changes in stream flow due to implementation of the Conjunctive Use Program now and in the future. cbec is also conducting surface flow monitoring to assist the Santa Margarita Groundwater Agency with implementation of their Groundwater Sustainability Plan, which focuses on a similar geographic area. We are providing design services for the City of Santa Cruz on the Newell Creek Large Woody Material Enhancement Project, and providing other geomorphic services at their request. We provide on-call support to Santa Cruz County's Streamwood Management Program, as well as hydrologic analyses to support their Juvenile Steelhead and Stream Habitat Monitoring Program. Lastly, we've conducted hydrologic monitoring (both surface water and groundwater) to support Pajaro Valley Water Management Agency's College Lake Integrated Resources Management Project for over a decade.

cbec staff has expertise in communicating complex technical analyses in understandable terms to general audiences. This capability enables us to identify and lead the implementation of workable solutions to the satisfaction of our clients, project stakeholders, and regulatory agencies. We provide efficient and focused execution of project tasks with outstanding levels of scientific rigor and technical accuracy.

We understand that budget resources are precious, and management needs often exceed the resources available. We are a nimble local team that adjusts to project needs organically for the benefit of our project partners. cbec is adept at meeting accelerated schedule and budget requirements, integrates efficiently and economically within large consultant teams when required, and provides effective communication for interagency collaboration. cbec is ready to commit the necessary resources towards this project for the SLVWD. Should you desire any additional information or examples of our work, please don't hesitate to ask.

Sincerely,

Chris Hammersmark, PhD, PE
Director / Ecohydrologist, cbec eco engineering

2. Identification of Prime Consultant

cbec, Inc. is recognized as both a federal and California state corporation and small business. Founded in 2007, cbec is based out of West Sacramento, California (2544 Industrial Blvd, West Sacramento, CA 95691), with offices in Santa Cruz, Truckee, Oakland, and multiple offices nationwide. As of June 2023, cbec has 38 staff members.

Chris Hammersmark will serve as point of contact concerning this response submittal. His contact info is below:

Chris Hammersmark
519 Seabright Ave, Suite 102
Santa Cruz, CA 95062
916.668.5236
c.hammersmark@cbecoeng.com

Staff Name	Job Title
Emmy Anzalone	Technician II
Staci Baldwin	Administrative Assistant
Caitlin Barnes	Technician II
Travis Beckt	Technician II
Chris Bowles	President & Ecoengineer
Chris Campbell	Director & Ecohydrologist
Megan Casey	Technician II
Sam Diaz	Senior Ecoengineer III
Jenna Duffin	Ecohydrologist I
Michael Founds	Senior Ecohydrologist I
Daniel Goranov	Technician I
Anna Hamilton	Ecohydrologist I
Chris Hammersmark	Director / Ecoengineer
Elissa Ide	Staff Accountant/Biller
Jackson Ingram	Ecohydrologist I
Greg Kamman	Senior Ecohydrologist III
Kiernan Kelty	Ecohydrologist I
Nina Li	Ecohydrologist II
Yuming Liu	Senior Scientific Advisor
Emily McCommas	Office/Business Development Manager
Jon Parsons	Ecohydrologist II
Noelle Patterson	Ecohydrologist II
Evan Pesut	Ecohydrologist I
Jesse Rowles	Ecohydrologist II
April Sawyer	Senior Ecohydrologist I
Greg Shellenbarger	Ecohydrologist II
Doug Shields	Senior Scientific Advisor
Jai Singh	Senior Ecohydrologist II
Nick Southall	Senior Ecohydrologist I
Toby Stegman	Ecohydrologist II
John Stofleth	Senior Ecoengineer III
Ben Taber	Ecoengineer II
Beau Thetford	Technician II
Luke Tillmann	Senior Ecohydrologist I & Software Development Manager
Haley Tupen	Ecohydrologist I
Matt Weber	Senior Ecoengineer I
Alexis Wessels	Senior Operations Manager
Scott Wright	Senior Ecohydrologist III

4. Scope of Work, Assignment Organization, and Experience of the Team

Current & Past Efforts as a Team

Kiernan Kelty will serve as the Project Manager for this effort. He will ensure that scope tasks are assigned to the appropriate staff and carried out on schedule. Mr. Kelty will also provide daily direction of field technicians and participate himself with on-site assignments as needed. He will also actively communicate with SLVWD staff on gage site conditions and necessary repairs following planned site visits and coordinate event/semimonthly site visits with field staff pending SLVWD approval.

Overall project oversight and quality assurance/control will be provided by Chris Hammersmark serving as the Project Director. Dr. Hammersmark and Mr. Kelty are located in the Santa Cruz, CA office and are generally available throughout the duration of the project. In Santa Cruz, we are able to call upon three field staff, and have access to approximately 20 cbec team members located within two hours travel of the sampling sites (only if needed) to fulfill project needs.

The Project Manager and Director are supported by an extremely capable interdisciplinary team of professionals with experience in hydrology and water resources, earth sciences, ecology, and civil engineering. Most members of the cbec technical staff hold either doctoral or master's degrees. cbec staff possess a diversity of professional licenses and accreditations including Professional Civil Engineer, Professional Geologist, Certified Hydrogeologist, Certified Professional Erosion and Sediment Control practitioner, and FAA Certified Commercial UAS pilot license. cbec personnel include professionals who have been leaders in aquatic ecosystem restoration for decades, and younger staff with recently-earned degrees and expertise in using state-of-the art technology.

Chris and Kiernan have worked closely together on numerous local ongoing projects including the PV Water College Lake Integrated Resources Project, Various projects for the City of Santa Cruz, Sempervirens Fund Filice Pond Habitat Enhancement Feasibility Study, and Santa Margarita Groundwater Agency Dry Season Streamflow Monitoring Project.

Capacity to Perform Work & Working as a Team

cbec is prepared to commit the necessary resources towards the successful completion of this project. Beyond providing strong technical services, cbec ensures delivery of successful outcomes through strategic project management and rigorous quality management. cbec follows a thorough approach to quality management to ensure successful delivery of high-caliber, technically rigorous products, within budget and on schedule. At the onset of any projects resulting from a solicitation, we develop an internal project management plan that establishes roles, a schedule for internal deadlines, review milestones associated with key deliverables, internal and external communication plans, a quality management plan, and identify potential project challenges. Before beginning work on a project, our project managers conduct a kickoff meeting with our clients to ensure that the cbec team (including subconsultants if applicable) is on the same page with the client and stakeholder team with regards to the scope of work, deliverables, schedule, communication frequency and format, and other considerations.

An essential aspect of cbec's quality management on projects is our approach to overall company staff workload allocation, project-specific workload allocation, and precise management of individual project budget and resources. cbec uses

the project management application Deltek Vantagepoint for its project management needs. The use of Deltek, coupled with regular team meetings, enables us to ensure appropriate allocation of resources, accounting of resources expended and judicious use of funds to ensure successful delivery of our projects.

Our management team will work closely with other cbec Technical Leads that serve as the primary driver of our QA/QC protocols, and will provide technical guidance and final QA/QC at major project milestones. These may consist of adherence to standard operating procedures and use of QA/QC checklists for technical tasks such as field data collection, hydraulic modeling, engineering, and design. Depending on the nature of the project and technical services, a Senior Technical Advisor is generally assigned to provide an independent technical review of our work products to ensure quality. Our Technical Leads and Senior Technical Advisors also review the work products of our subconsultants for technical accuracy prior to incorporating them into our own work products or sending them to clients. This overall approach provides an appropriate blend of senior leadership and less costly staff to ensure successful project management outcomes and timely completion of deliverables at competitive costs.

Key Staff Bios

Kiernan Kelty, MS
Ecohydrologist I
Team/Project Manager

As an ecohydrologist, Kiernan performs a combination of technical project analysis and field work for cbec. Mr. Kelty's innate curiosity for improving natural environments led him to Purdue University, where he earned his bachelor's degree in Agricultural and Biological Engineering, with a focus on Environmental and Natural Resources Engineering. During this time, Mr. Kelty gained valuable field experience conducting topographic and stream cross-section surveys. He continued his studies at Oregon State University, where he completed his Master of Science in Civil Engineering, with a focus on Coastal and Ocean Engineering.

Mr. Kelty currently acts as a key modeler for a 300 mi^2 1D-2D hydraulic model of the Butte Basin located north of Sacramento. A primary goal of the modeling effort is to investigate potential floodplain connectivity opportunities for the benefit of juvenile salmonids within the basin and Sacramento River corridor. He also assists with a complex 2D hydraulic model for the Little Egbert Tract, located north of Rio Vista, CA, investigating different restoration alternatives and potential ecological and flood protection enhancements resulting from the tract's reconnection to the adjacent watercourses. Technically, Mr. Kelty, is well versed in low flow (wading with Acoustic Doppler Velocimeter) and high flow (trimaran or boat mounted Acoustic Doppler Current Profiler) techniques, consistent with USGS measurement standards (Turnipseed, et al., 2010; Heck, M.P., et al., 2018), and leads the Santa Cruz office's hydrologic monitoring efforts.

Chris Hammersmark, PhD, PE
Director & Ecohydrologist
Project Director

Chris Hammersmark is a registered civil engineer specializing in hydraulics, hydrology, geomorphology, ecology, climate change analyses, and ecosystem rehabilitation/restoration. He has over 23 years of experience on a diverse array of projects involving stream, meadow and floodplain restoration, sediment transport and water quality, flood inundation and water supply. The environmental settings for these projects range from natural to urban, from headwater streams and adjacent meadows and forests through lowland alluvial rivers, to tidally influenced coastal rivers and estuaries. When applicable, Dr. Hammersmark incorporates both current and future levels of hydrologic forcings (i.e., sea level rise and altered precipitation) to accommodate climate change impacts.

Dr. Hammersmark's technical experience includes a blend of computation analyses with a variety of field methods. Skills and tools typically utilized include numerical hydraulic and hydrologic modeling, habitat suitability modeling, terrain modeling, GIS, and a variety of types of field investigations. Field method experience includes flow gaging, water quality sampling, groundwater sampling, water table measurement, sediment characterization and transport measurements, habitat characterization and mapping, vegetation sampling, topographic and bathymetric surveys, soil infiltration, and compaction monitoring.

cbec eco engineering

Hydrology | Hydraulics | Geomorphology | Design | Field Services

Kiernan Kelty, MS
Ecohydrologist I

Education

2021, MS, Civil Engineering - Coastal Engineering, Oregon State University, Corvallis, OR

2019, BS, Environmental and Natural Resources Engineering, Purdue University, West Lafayette, IN

Professional Experience

cbec, inc., eco-engineering, West Sacramento, CA, Ecohydrologist I, 2021–present

Applied Technology & Management, West Palm Beach, FL, Coastal Engineering Intern, 2019

SELECTED EXPERIENCE

San Lorenzo Valley Water District Conjunctive Use Technical Support, Santa Cruz County, CA
San Lorenzo Valley Water District, 2023–present
cbec is working with SLVWD to further the development of it's Conjunctive Use Plan. Mr. Kelty provides support to the hydraulic and habitat modeling aspect of this project, performing topographic surveys, flow measurements, and hydraulic model QA/QC.

Filice Ponds Feasibility Study - Hydrologic Monitoring and Analysis, Santa Cruz County, CA
Sempervirens Fund, 2023–present
This hydrological investigation aims to reach a thorough hydrologic understanding of the Filice Pond system to inform project alternatives prioritizing ecological benefit for native species, prevention of catastrophic pond failure, management of invasive species, and maintenance of open water for both habitat and firefighting. A spreadsheet-based daily water budget water budget will be quantified that characterizes the site's upper and nearby seasonal pond. Data points to be collected consist of inflows (direct rainfall, runoff from the contributing watershed, and estimated seep inflow) and outflows (evapotranspiration, infiltration, and overflow). Aggregate spring flowrate will be calculated with this water budget, using a combination of direct measurements and estimated water budget components. The water budget analysis will form the basis for the expected hydrologic regime and will inform project alternatives related to pond depths, connections, and lining considerations for habitat suitability, invasive species control, and water source maintenance for firefighting. Field monitoring to inform the water budget will include installation of: 1) a meteorological station measuring rainfall, air temperature, and relative humidity; 2) three pressure transducers to measure water levels in the seasonal pond, the upper pond, and in the upper pond's outlet pipe; and 3) a pressure transducer to measure atmospheric pressure to barometrically compensate the submerged pressure transducers. Monitoring will be conducted across a full year at minimum to quantify seasonal variability in hydrologic conditions and spring flowrates. Extended monitoring and/or analysis of local climate records may be used to scale the pond water budget for dry, normal, and wet years. This work will assume close coordination with project biologists and engineers to ensure that hydrologic monitoring properly informs all aspects of the Feasibility Study. Kiernan serves as the primary field technician installing and monitoring the gage infrastructure at the project site and performing a variety of instrument deployments and flow measurements for the different monitoring sites at Filice Ponds.

College Lake Hydrologic Monitoring Project, Santa Cruz County, CA
Pajaro Valley Water Management Agency, 2022–present
This project supports the integrated management plan generated for the previous College Lake Improvement and Watershed Management Project, with work performed on behalf of Pajaro Valley Water Management Agency, and working closely with Carollo design engineers. cbec installed, and continues to monitor and maintain, gages at multiple sites upstream and downstream of College Lake to gather water levels and stream flow. Scour analyses were conducted at the proposed diversion/fish-passage weir on Salsipuedes Creek, and two pipeline crossings on Pinto Creek. These analyses necessitated the following tasks: completing topographic and bathymetric surveys at the crossings; collecting sediment samples for laboratory grain-size analysis; updating and running an existing HEC-RAS hydraulic model for variety of design storms; and estimating long-term and contraction scour estimates at each site pursuant to FHWA HEC-18 methods and criteria. Based on the results of this analysis, cbec was able to recommended bed and bank rock size and thickness for channel stability design. As a field technician, Kiernan supports ongoing surface flow measurement and gage maintenance efforts at multiple monitoring locations. He utilizes a handheld Acoustic Doppler Velocimeter to gather flow data for the development of field reports and rating curves.

Little Egbert Tract Feasibility Study and Multi-Benefit Project, Solano County, CA
Sacramento Area Flood Control Agency, California Department of Water Resources, 2022–present
cbec assisted in the initial development of a feasibility study for Little Egbert Tract, a project that aims to achieve flood risk reduction and habitat restoration benefits in the region, while creating a more sustainable landscape for agriculture. As a project modeler, Kiernan is responsible for building, testing, and validating the wind wave analysis for the Little Egbert Tract using the Delft modeling platform. The analysis includes wave field analysis, wave force and runup calculations as well as sediment transport analysis. Kiernan also incorporates design alternatives into the model and consults on the incorporation of nature based solutions into the different alternatives.

cbec eco engineering

Hydrology | Hydraulics | Geomorphology | Design | Field Services

Chris Hammersmark, PhD, PE
Director / Ecoengineer

Education

PhD, 2008, Hydrologic Sciences, University of California Davis, Center for Watershed Sciences, Davis, CA

MS, 2003, Hydrologic Sciences, University of California Davis, Center for Watershed Sciences, Davis, CA

BS, 1996, Civil and Environmental Engineering, Forestry Minor, University of California Berkeley, Berkeley, CA

Professional Registration

2003, Professional Civil Engineer, California, #66595

Professional Experience

cbec, inc., eco-engineering, West Sacramento, CA Director / Ecoengineer, 2009–present

Independent Hydrologist, 2000–2008

University of California Davis, Center for Watershed Sciences, Davis, CA, Post-Doctoral Researcher, 2008

University of California Davis, Center for Watershed Sciences, Davis, CA, Research & Teaching Assistant, 2004–2007

University of California Davis, Department of Civil and Environmental Engineering, Davis, CA, Post-Graduate Researcher, 2003

University of California, Davis, Department of Civil and Environmental Engineering, Davis, CA, Research Assistant, 2000–2002

GEI Consultants, Oakland, CA, Staff Engineer, 1998–2000

University of California Berkeley, Blodgett Forest Research Station, Georgetown, CA, Stream Habitat Inventory Crew Lead, 1998

SELECTED EXPERIENCE

San Lorenzo Valley Water District Conjunctive Use Technical Support, Santa Cruz County, CA
San Lorenzo Valley Water District, 2023–present

cbec is working with SLVWD to further the development of it's Conjunctive Use Plan. Dr. Hammersmark serves as the Project Director for this ongoing project which includes hydraulic and habitat modeling, stream flow record synthesis and analysis, operations modeling and assessment of climate change impacts to the proposed operations.

Filice Ponds Feasibility Study - Hydrologic Monitoring and Analysis, Santa Cruz County, CA
Sempervirens Fund, 2023–present

This hydrological investigation aims to reach a thorough hydrologic understanding of the Filice Pond system to inform project alternatives prioritizing ecological benefit for native species, prevention of catastrophic pond failure, management of invasive species, and maintenance of open water for both habitat and firefighting. A spreadsheet-based daily water budget water budget will be quantified that characterizes the site's upper and nearby seasonal pond. Data points to be collected consist of inflows (direct rainfall, runoff from the contributing watershed, and estimated seep inflow) and outflows (evapotranspiration, infiltration, and overflow). Aggregate spring flowrate will be calculated with this water budget, using a combination of direct measurements and estimated water budget components. The water budget analysis will form the basis for the expected hydrologic regime and will inform project alternatives related to pond depths, connections, and lining considerations for habitat suitability, invasive species control, and water source maintenance for firefighting. Field monitoring to inform the water budget will include installation of: 1) a meteorological station measuring rainfall, air temperature, and relative humidity; 2) three pressure transducers to measure water levels in the seasonal pond, the upper pond, and in the upper pond's outlet pipe; and 3) a pressure transducer to measure atmospheric pressure to barometrically compensate the submerged pressure transducers. Monitoring will be conducted across a full year at minimum to quantify seasonal variability in hydrologic conditions and spring flowrates. Extended monitoring and/or analysis of local climate records may be used to scale the pond water budget for dry, normal, and wet years. This work will assume close coordination with project biologists and engineers to ensure that hydrologic monitoring properly informs all aspects of the Feasibility Study. Dr. Hammersmark serves as Project Director coordinating the hydrologic investigation and overall feasibility study.

College Lake Hydrologic Monitoring Project, Santa Cruz County, CA
Pajaro Valley Water Management Agency, 2015–present

This project supports the integrated management plan generated for the previous College Lake Improvement and Watershed Management Project, with work performed on behalf of Pajaro Valley Water Management Agency, and working closely with Carollo design engineers. cbec installed, and continues to monitor and maintain, gages at multiple sites upstream and downstream of College Lake to gather water levels and stream flow. Scour analyses were conducted at the proposed diversion/fish-passage weir on Salsipuedes Creek, and two pipeline crossings on Pinto Creek. These analyses necessitated the following tasks: completing topographic and bathymetric surveys at the crossings; collecting sediment samples for laboratory grain-size analysis; updating and running an existing HEC-RAS hydraulic model for variety of design storms; and estimating long-term and contraction scour estimates at each site pursuant to FHWA HEC-18 methods and criteria. Based on the results of this analysis, cbec was able to recommended bed and bank rock size and thickness for channel stability design. Dr. Hammersmark is serving as project director.

Huckleberry Island Dam Removal Design Assessment, Santa Cruz County, CA
Resource Conservation District of Santa Cruz County, 2014

cbec was contracted to investigate the feasibility of modifying or removing the Huckleberry Island Dam to improve passage conditions. Huckleberry Island Dam is located on the San Lorenzo River in Santa Cruz County provides an impediment to fish passage under certain flow conditions. cbec conducted site reconnaissance and field surveys including topographic surveys of the dam site, and photo documentation to help developed design alternatives. Design modifications included partial to complete removal of the dam structure, removal of sediment and modification to retaining wall. A future phase of the project will include preparation of construction documents at a 60% and 100% level of completion. Ben served as project manager for this effort. Dr. Hammersmark served as project director for this effort.

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Scope

Project Understanding

Since 2015, SLVWD has engaged in a surface flow monitoring program for the streams and channels that serve as water sources for the district (Niell, C., Hecht, B., Goodwin, E. 2020). The complexity and duration of the monitoring network has changed over time to the current request by SLVWD to conduct dry season flow monitoring for Foreman and Boulder Creeks from June to November over a three-year period. The district has also requested the continued operation and maintenance of the real-time flow gage at the Fall Creek Fish Ladder.

The requested monitoring activities at these sites include installation, maintenance and downloads of stage gaging infrastructure, measurement of stream flows, temperature, and development of stage-flow rating curves.

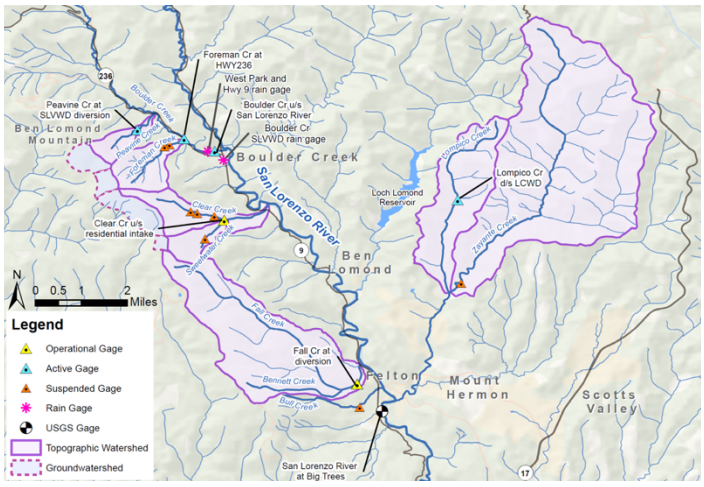


Figure 1 – Historical gage network for SLVWD's North District with Foreman, Boulder, and Fall Creeks historical gage sites marked (Niell, C., Hecht, B., Goodwin, E. 2020).

Through correspondence with SLVWD, it was discovered that the Foreman and Boulder Creek gages and their infrastructure were lost during the wet season of WY2023 and will need to be replaced. Historically, SLVWD rented the gages and equipment from their consultant, but recent communications with SLVWD indicated an interest in gage ownership if economically beneficial. In response to this interest, a comparison of gage rental versus ownership costs is provided in the Cost Proposal. The Cost Proposal also includes an estimate to identify new gage sites, replace/install necessary gage infrastructure, and deploy gages for 2023 in Task 1.1. Task 1.2 details gage deployment for future years (2024 and 2025). Task 1.3 describes the dry season flow monitoring for Foreman and Boulder Creeks. Task 1.4 outlines the data processing, analysis, and transmission of Foreman and Boulder Creek gage data to SLVWD.

Based upon issues with the instrumentation network in the past, cbec also noted a stated interest from SLVWD to visit the two dry season gages sites outside of usual monthly site visits to ensure the essential data are being collected without issue. To address this topic, *optional* semimonthly site visits are proposed in Task 1.5 where cbec staff would visit SLVWD gage sites while already in the field for Santa Margarita Groundwater Agency's (SMGWA) Dry Season Flow Monitoring Program.

SLVWD staff conveyed that a Fall Creek gage relocation was likely following fish ladder upgrades in October 2023. This relocation would ideally be located upstream of the most downstream weir at the site, but no formal plan is currently set. Time and material costs to formalize a possible gage relocation site in collaboration with SLVWD staff, are detailed in Task 2.2.

Relocation, maintenance, flow measurement and analysis of the Fall Creek gage is detailed in Task 2.1. Task 3 describes overall project management and dissemination of monitoring results to SLVWD's Board of Directors. An in-depth description of the cbec's management approach is outlined in the following tasks.

Scope Tasks

Task 1.1 – Foreman and Boulder Creeks Dry Season Monitoring Gage Repair, Relocation, and Deployment 2023

Based on correspondence with SLVWD, it is cbec's understanding that the gages and gage infrastructure at Foreman and Boulder Creeks were lost during the wet season of WY 2023. cbec proposes to reestablish the gage sites on these creeks by first determining new site locations during a field visit by Dr. Hammersmark and Mr. Kelty.

cbec will then construct the necessary gage infrastructure to deploy the gages at the new gage sites, assuming any remaining instream infrastructure is unusable. Time and material costs for the reconstruction and repairs are detailed in the Cost Proposal. Cost estimates for replacing Solinst Leveloggers with HOBO Water Level Data Loggers are also outlined in the Cost Proposal, with options for the district to either rent or own the gages and necessary communication equipment. Additional repairs or replacement of elements of the gaging network during the 2023 monitoring period will be covered under the Emergency Fund defined in the Cost Proposal.

Calibration measurements of flow, stage, and water temperature will be recorded during gage installment using a Sontek FlowTracker Handheld Acoustic Doppler Velocimeter (ADV) and a YSI EcoSense EC300A Temperature Probe, consistent with USGS steam flow monitoring methods (Turnipseed, et al., 2010).

Task 1.2 – Foreman and Boulder Creeks Dry Season Monitoring Gage Deployment 2024 & 2025

A half-day field visit will be made by the Project Manager in late spring prior to the monitoring period to access the gage site conditions and determine necessary gage repairs. Site photos, field notes, and proposed gage repairs will be documented and shared with SLVWD staff for discussion and approval. The Emergency Fund, detailed in the Cost Proposal, will be utilized for the time and material cost of gage repairs and additional site visits pending approval from the district. Following necessary repairs, data loggers and existing gage infrastructure will be installed, and calibration measurements of stage, flow, and water temperature will be taken.

Task 1.3 – Foreman and Boulder Creeks Dry Season Streamflow Monitoring and Maintenance

cbec's field staff will conduct six monthly site visits (July-December) for each respective monitoring period(2023 – 2025). During visits, site conditions will be inspected, documented, and gage repairs made as needed. Records from the data loggers will be downloaded and corresponding calibration measurements of stage, flow, and water temperature will be taken using the methods described in Task 1.1. SLVWD data loggers will be uninstalled during the final site visit in early December with staff plates and stilling wells left in place unless removal is desired. The data loggers will be either returned to an SLVWD for the winter or stored by cbec until the next monitoring period.

Task 1.4 – Foreman and Boulder Creeks Data Processing, Analysis, and Transmission

cbec will compile and process raw data from the data loggers of Foreman and Boulder Creeks following monthly site visits. The data will be compared to independent measurements taken at each site for quality assurance and control. Existing rating curves will be verified and updated as necessary. SLVWD staff will be notified of any significant changes to gage readings, indicating potential diversion impacts. Screened data will be analyzed and presented in figures of daily average flow, and water temperature for the entire gage network to allow for clear gage-to-gage comparison. Individual plots of daily average stage, flow, and water temperature will also be provided for each respective gage. Historical daily averages will be included in the plots to better understand

historical trends for each site. cbec assumes that historical gage network data from as early as 2013 is available in an electronic tabular format for the proposed comparison. All figures, raw, and screen data will be cataloged in a Microsoft Excel spreadsheet.

A brief one-to-two-page technical memorandum summarizing the key findings from the technical analysis will be provided focusing on potential diversion impacts during the monitoring period. Documents will be transferred to SLVWD staff before the end of the calendar year (December 31) and copies of the figures and technical summary sent via email.

Task 1.5 – Optional Foreman and Boulder Creeks Dry Season Non-Monthly Site Visits and Inspections

cbec noted SLVWD's encouragement to visit the Foreman and Boulder Creek gage sites outside of the planned monthly site visits. cbec currently operates a similar dry season flow monitoring program for the SMGWA from March – October for WY's 2023 – 2026. The proposed monitoring program can be deployed at a staged semimonthly interval with SMGWA's, so that additional site visits can be made at SLVWD's request in a cost-effective manner. Time for the task in the Cost Proposal, assumes cbec staff will complete six semimonthly site visits to the gages pending SLVWD approval.

Task 2.1 - Fall Creek Gage Monitoring and Maintenance

cbec will transfer the real-time gage readings for the Fall Creek site to an online portal managed by cbec. The gage site will be visited semimonthly to collect flow measurements for the station's rating curve. cbec assumes that historical data for the gage site are still applicable and available to build upon for the site. Additional site visits may be conducted during low or high flow periods to "fill in" parts of the rating curve where limited data exists. The Emergency Fund, will be utilized for the time and material cost of gage repairs and additional site visits for the Fall Creek gage, pending approval from SLVWD.

Task 2.2 - Potential Fall Creek Gage Relocation in the Future

cbec staff will meet with SLVWD staff and review the planned upgrades for the Fall Creek fish ladder. If relocation is deemed necessary, cbec will identify possible relocation sites and meet with SLVWD staff to finalize the new gage site location. cbec will plan, coordinate, and execute the gage relocation for Fall Creek. A new rating curve will be developed for the site with monthly and event-dependent field visits for measurements of stage, flow, and water temperature at the new site. For the Cost Proposal, a full site relocation has been assumed to provide an estimate of the worst-case scenario.

Task 3 – Project Management, Coordination, and Dissemination

Time for the task will be used to plan, coordinate, and implement staff for the needs of the project outlined in Tasks 1.1 - 3 The allotted time also includes the time required for summarization of Tasks 1.1 - 3 into a PowerPoint document and the delivery of a presentation to the SLVWD Board of Directors.

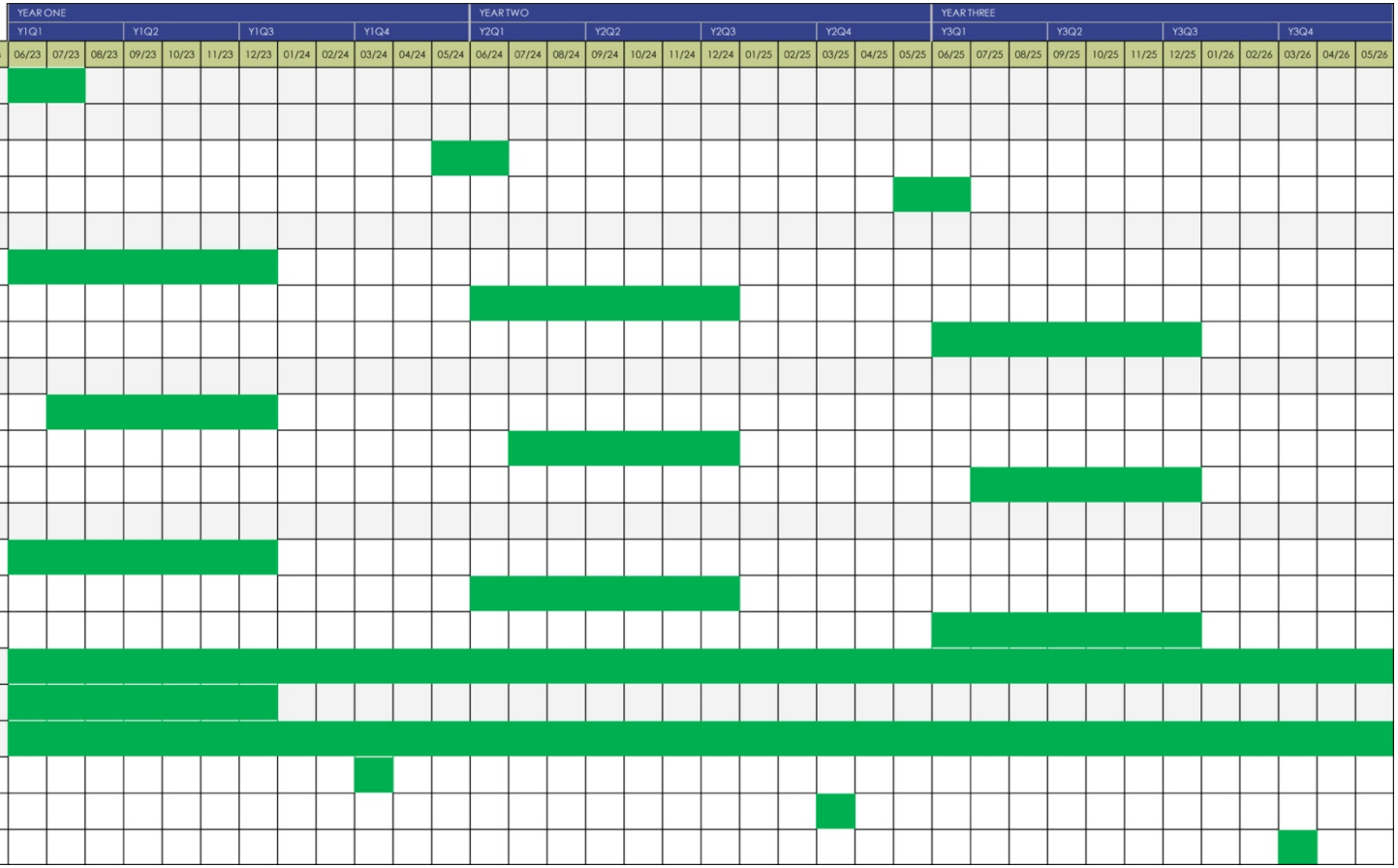
References

Neill, C., Hecht B., Goodwin, E. 2020, Seasonal Streamflow, Temperature and Related Observations For the San Lorenzo Valley Water District's Surface Sources of Community Water Supply: Dry Season 2020

Turnipseed, D.P., and Sauer, V.B., 2010, Discharge measurements at gaging stations: U.S. Geological Survey Techniques and Methods book 3, chap. A8, 87 p. (Also available at https://pubs.usgs.gov/tm/tm3-a8/.

Schedule

	START DATE	DEADLINE	# of Days
TASK 1.1: FOREMAN AND BOULDER CREEKS GAGE REPAIR, RELOCATION, AND INSTALLMENT 2023	06/15/23	07/15/23	22
TASK 1.2: FOREMAN AND BOULDER CREEKS GAGE INSTALLMENT AND CALIBRATION 2024 & 2025			
2024	05/15/24	06/15/24	23
2025	05/15/25	06/15/25	22
TASK 1.3 FOREMAN AND BOULDER CREEKS DRY SEASON STREAMFLOW MONITORING AND MAINTENANCE			
2023	06/15/23	12/01/23	122
2024	06/01/24	12/01/24	130
2025	06/01/25	12/01/25	131
TASK 1.4: FOREMAN AND BOULDER CREEKS DATA PROCESSING, ANALYSIS, AND TRANSMISSION			
2023	07/15/23	12/31/23	120
2024	07/01/24	12/31/24	132
2025	07/01/25	12/31/25	132
TASK 1.5: OPTIONAL FOREMAN AND BOULDER CREEKS DRY SEASON NON-MONTHLY SITE VISITS AND INSPECTIONS			
2023	06/15/23	12/01/23	122
2024	06/01/24	12/01/24	130
2025	06/01/25	12/01/25	131
TASK 2.1: FALL CREEK GAGE MONITORING & MAINTENANCE	06/15/23	06/15/26	783
TASK 2.2 FALL CREEK GAGE RELOCATION 2024	06/01/23	12/30/23	152
TASK 3: PROJECT MANGEMENT AND COORDINATION	06/15/23	06/15/26	783
2023 Monitoring Presentation, SLVWD Board of Directors	03/01/24	03/31/24	21
2024 Monitoring Presentation, SLVWD Board of Directors	03/01/25	03/31/25	21
2025 Monitoring Presentation, SLVWD Board of Directors	03/01/26	03/31/26	22



5. Experience and Past Performance, Including Cost and Schedule Control

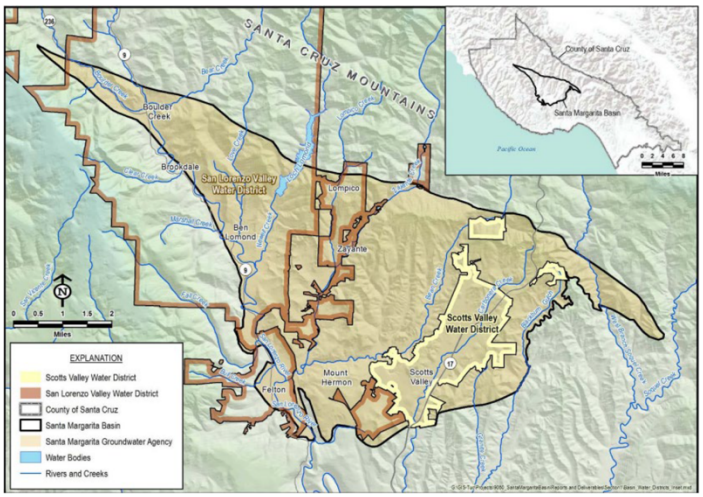
SMGWA Dry Season Streamflow Monitoring

Santa Margarita Groundwater Agency
Santa Cruz County, CA – 2023–present
Budget: $153K
Reference Contact: David McNair, General Manager, Scotts Valley Water District, dmcnair@svwd.org, 831.600.1902

cbec is conducting surface water monitoring to assist the Santa Margarita Groundwater Agency (SMGWA) with their groundwater management activities. The SMGWA Groundwater Sustainability Plan's goals are to characterize the surface-groundwater exchange within the basin during the dry season (March–October) and identify any potential adverse impacts on the beneficial users of the surface water.

In the spring of 2023, cbec was selected by the agency to lead future surface monitoring efforts through 2025. cbec deployed the existing gage network and collected measurements of surface flow, stage, water temperature, and specific conductance. Handheld Acoustic Doppler Velocimeter (ADV) and specific conductance/temperature probes have been and will be utilized to quantify potential impacts over the 3-year contract period. cbec has also helped SMGWA to reestablish two gage sites lost during the uncharacteristically wet season of WY 2023 and develop new rating curves for the respective sites. Following each year's monitoring efforts, staff will provide the agency with a brief summary of monitoring findings, as well as present the findings to the Agency's Board of Directors.

Gage reestablishment on Newell Creek upstream of its confluence with the San Lorenzo River.



Santa Margarita Groundwater Basin. Courtesy of SMGWA.

Gage re-establishment on Bean Creek at Mt. Hermon Camp.

College Lake Hydrologic Monitoring Project

Pajaro Valley Water Management Agency
Santa Cruz County, CA - 2015–present
Budget: $499K
Reference: Brian Lockwood, General Manager / Hydrogeologist, Pajaro Valley Water Management Agency, lockwood@pvwater.org, 831.722.9292

In support of the College Lake Integrated Resources Management Project, cbec has been monitoring surface water and groundwater resources in the vicinity of College Lake for over a decade. College Lake is a naturally occurring ephemeral water body located along Salsipuedes Creek, a tributary to the Pajaro River in Santa Cruz County, California. Pajaro Valley Water Management Agency is implementing the Project to better manage the available vital hydrologic resources in support of native species (e.g., steelhead and migratory waterfowl), flood risk reduction, and to reduce sea water intrusion due to groundwater overdraft resulting from agricultural pumping of groundwater basin.

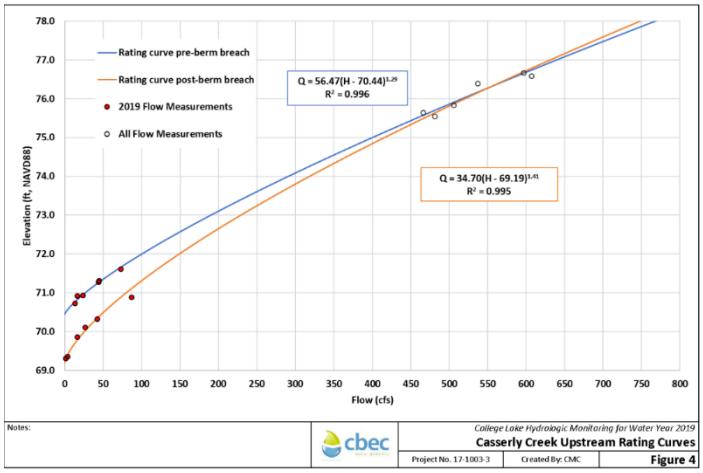
Surface water monitoring began in 2012 as a component of the initial phases of the Project's development and continues through present day. The initial phases of the effort were funded by the Resource Conservation District of Santa Cruz County. Year-round surface water monitoring has been conducted at six locations upstream and downstream of College Lake. cbec designed the surface water monitoring plan, installed the gages and staff plates, maintains the gages, conducts both dry and wet season flow measurements, develops and updates rating curves for each site, analyzes the data and prepares annual hydrologic monitoring reports. Depending on the stage in the channels at the time of monitoring, flow measurements are collected via wading with an Acoustic Doppler Velocimeter (ADV), or via an Acoustic Doppler Current Profiler (ADCP) mounted on a trimaran.

The shallow groundwater monitoring component of the hydrologic monitoring program began in 2017. At present there are 21 piezometers installed within and around College Lake, each with continuously recording pressure transducers. cbec designed the groundwater monitoring plan, installed and maintains the piezometers, downloads and analyzes the pressure transducer data, and documents the results in the annual hydrologic monitoring reports. The groundwater monitoring component of the program is intended to provide data to better understand the effects of College Lake water levels on shallow groundwater elevations and gradients in the project area.

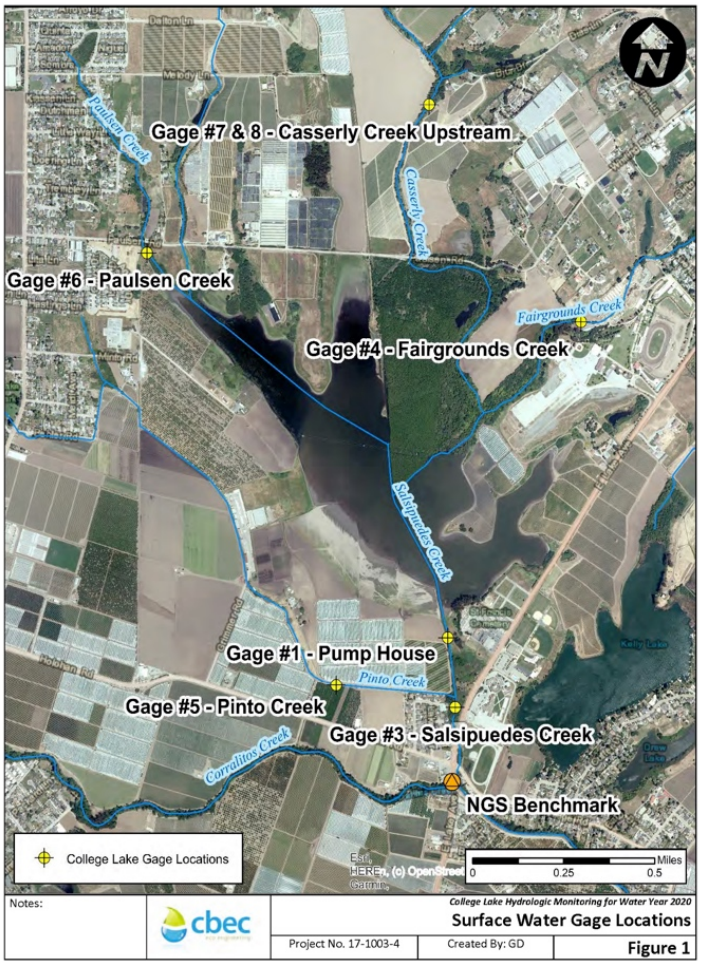
The hydrologic monitoring effort has informed additional analyses conducted by cbec related to the project development including the development and application of a distributed hydrologic model for the College Lake watershed, a water budget model for College Lake, and a hydrodynamic model for College Lake and the downstream watercourses. This suite of models was used in concert to assess potential operations of the Project in various hydrologic conditions and to support the water rights application, other permits and the EIR. In addition to the hydrologic and hydraulic analyses described above, cbec also designed the fish passage components of the proposed operable weir structure (an adjustable

step pool fishway) and is currently developing operations and compliance plans for the Project. Project implementation is scheduled to begin in late 2023.

College Lake shallow groundwater monitoring network.



Example rating curves developed for before and after a mid-season geomorphic adjustment of the channel.



College Lake surface water monitoring locations.

Butano Creek Flow and Sediment Monitoring

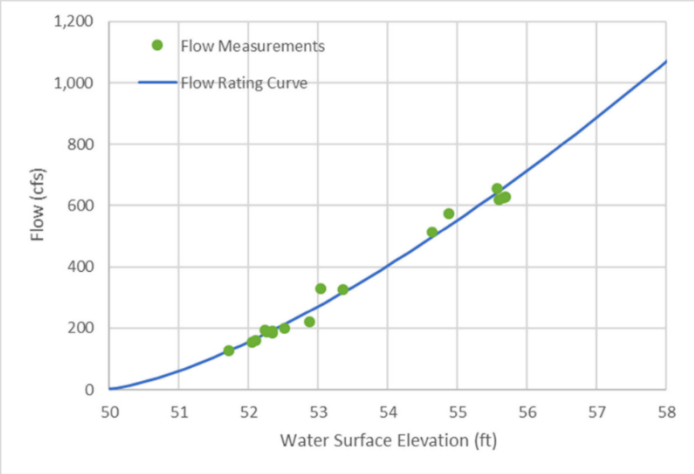
San Mateo Resource Conservation District
San Mateo County, CA – 2018–2020
Budget: $57K
Reference: Kellyx Nelson, Executive Director, San Mateo Resource Conservation District, kellyx@sanmateorcd.org, 650.712.7765 x 102

To inform planning and design efforts to improve ecological health and to reduce the amount of sediment delivered to the Pescadero Marsh, cbec conducted flow and sediment sampling during the 2018 and 2019 water years on Butano Creek in San Mateo County, CA. The goal of the effort was to estimate present day sediment fluxes and compare them to data collected by the USGS in the early 1970s. The data were also used to inform sediment boundary condition information for a two-dimensional sediment transport model of

Butano Creek, Pescadero Creek and the Pescadero Estuary that cbec developed to inform the design of several habitat enhancement, fish passage improvement and infrastructure projects.

cbec developed the flow and sediment monitoring plan, installed, and maintained gages, measured fluxes and analyzed the data, At the location of a discontinued USGS gaging site, cbec deployed a pressure transducer and a turbidity probe to collect continuous creek stage and turbidity data. Discrete flow rates were collected under elevated flow conditions using a tethered trimaran mounted Acoustic Doppler Current Profiler (ADCP). Flow and stage values were used to develop a high flow rating curve which was then used to develop a continuous hydrograph for the monitoring period. Coincident with the flow measurements, sediment flux data were also collected using a custom bridge crane. Suspended sediment data were collected with a DH-2A suspended-sediment sampler and bedload sediment data were collected with a Helley-Smith bed load sampler. All sampling was conducted from a bridge as the channel was not wadable during the high flows targeted for the study.

Sediment flux data were used to develop sediment flux rating curves for the suspended and bed load fractions of the total load. These relationships were combined with the continuous hydrograph to develop annual sediment load estimates for the monitoring location. These data were compared with annual sediment load estimates developed by the San Francisco Bay Regional Water Quality Control Board in their sediment Total Maximum Daily Load development effort.



Butano Creek at Giannini Bridge flow measurements and resulting rating curve.

Custom bridge crane used to collect sediment flux measurements.

Yolo Bypass Westside Tributaries Flow Monitoring

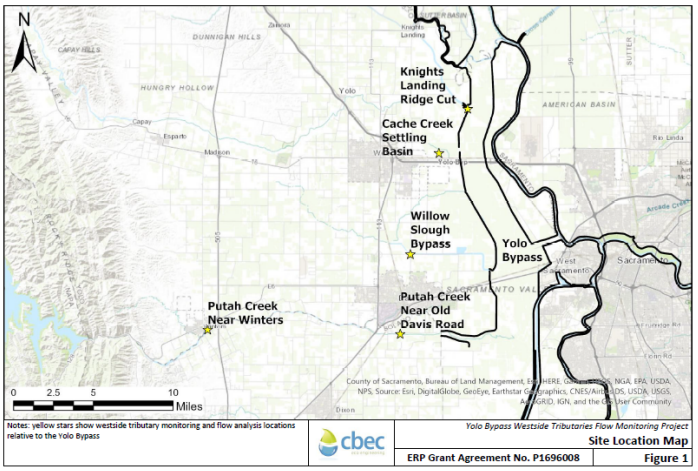
County of Yolo
Yolo County, CA – 2016–2019
Budget: $271K
Elisa Sabatini, Manager of Natural Resources, County of Yolo, elisa.sabatini@yolocounty.org, 530.406.5773

Westside tributary inflows play an important role in Yolo Bypass (Bypass) inundation, therefore understanding the timing, volume, and magnitude of inflows is needed to determine their relative influence compared to larger inflows from the Fremont and Sacramento Weirs. To improve westside tributary inflow estimates into the Bypass and verify westside tributary hydrologic assumptions used in the Yolo Bypass Salmonid Habitat Restoration and Fish Passage Project (YBSHRFPP) inundation analysis, cbec, on behalf of Yolo County (County), collected and analyzed flow and stage data on four westside tributaries to the Bypass: Knights Landing Ridge Cut (KLRC), Cache Creek Settling Basin (CCSB), Willow Slough Bypass (WSB), and Putah Creek (PC). Following the completion of this study, the new monitoring data was used to improve local agency reporting of inflows into the Bypass, as well as help decisionmakers better understand existing conditions and evaluate the benefits and impacts of future management proposals within the Bypass.

cbec worked with the County to identify a set of monitoring and data analysis objectives: monitor westside tributary inflows into the Bypass consistent with recommendations identified in Yolo County's 2014 Yolo Bypass Drainage and Water Infrastructure Study to provide the data to local agencies responsible for stage and flow monitoring; and analyze the monitoring data to verify the hydrologic assumptions supporting the YBSHRFPP inundation analysis to provide recommendations to modify or update the hydrologic assumptions.

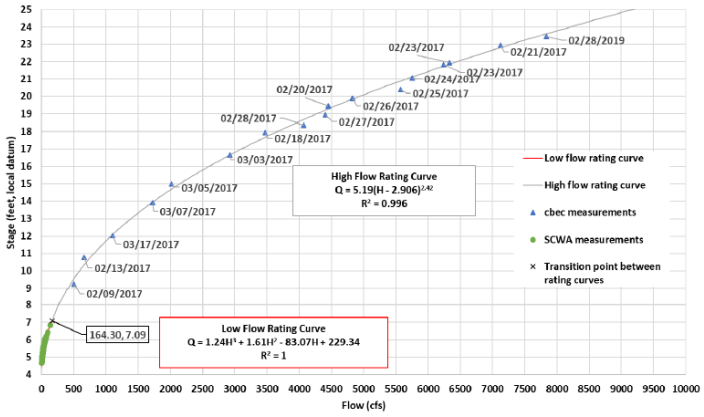
To satisfy the first study objective, cbec performed flow monitoring at KLRC, WSB, and PC during the winters of water years 2017, 2018 and 2019. The flow monitoring generally involved co-locating the flow measurement locations and temporary stage gages with active stage and/or flow monitoring stations managed by other agencies to augment those efforts by developing flow rating curves and provide redundant stage data in the event of data issues with agency equipment. Flow measurements were typically taken with a tethered Acoustic Doppler Current Profiler (ADCP) per USGS protocols and processed to create and extend rating curves to accurately predict and model inflows into the Yolo Bypass. Regarding CCSB, cbec determined it was unnecessary to perform any flow monitoring at this location because the USGS was actively monitoring outflows from CCSB on behalf of the CDWR.

To satisfy the second study objective, cbec analyzed the flow monitoring data and compared the data to the hydrologic assumptions used in the YBSHRFPP inundation analysis to verify and/or recommend changes to those hydrologic assumptions. The hydrologic assumptions used in the YBSHRFPP varied for each westside tributary and were estimated for water years 1997 to 2012.



Yolo Bypass westside tributary flow monitoring locations.

Discharge measurements at the upgraded Wallace Weir Fish Rescue Facility.



Rating curve on Putah Creek near Old Davis Road.

6. Firm's Local Experience

The cbec team possesses direct knowledge of the multiple watercourses within 136 square-mile SLVWD watershed, as well as their unique attributes. This allows cbec to make timely judgement calls and suggestions on the proposed project. In addition, we are confident that the local experience described in the previous section speaks to our understanding of the project area.

Particularly relevant is Dr. Chris Hammersmark's more than a decade of managerial hydrological project experience in Santa Cruz County. He has led Pajaro Valley Water's surface and groundwater monitoring program for the College Lake Integrated Resources Project since 2012. He has supported the City of Santa Cruz on a number of projects including multiple rounds of geomorphic monitoring, and is currently directing the design of the City's Newell Creek Large Woody Material Enhancement Project.

In close proximity, he is also directing the hydrologic monitoring program for Sempervirens Fund's Filice Pond Habitat Enhancement Feasibility Study. In addition, Dr. Hammersmark provides support to the County of Santa Cruz for their Streamwood Management Program and led the development of low flow estimates at several monitoring locations associated with the Juvenile Steelhead and Stream Habitat Monitoring Program. Dr. Hammersmark also leads a long-term water temperature modeling and monitoring program on the lower American River that began in 2008, and continues to present day.

Locally, Mr. Kelty supports ongoing surface flow measurement and gage maintenance efforts for multiple surface water monitoring locations associated with Pajaro Valley Water's College Lake Integrated Resource Management Project. In addition, he conducts flow measurements, and topographic surveying to support fish passage and habitat availability analyses on Boulder Creek for the San Lorenzo Valley Water District. Mr. Kelty also acts as the Project Manager for the Santa Margarita Ground Water Agency's Dry Season Flow Monitoring Program.

7. Creative Alternatives

cbec has provided creative solutions for the replacement and monitoring of the dry season gage network of Foreman and Boulder Creeks described in Tasks 1.1–1.4 of the Scope section. Additionally, cbec has presented a tentative framework in Task 2.2 to determine, in collaboration with SLVWD, a new potential gage site for Fall Creek following upgrades to the fish ladder in October 2023.

8. Proposed Total Professional Fee and Fee Schedules

This has been submitted as a separate document under sealed cover.

9. Exceptions to this RFP

cbec has fully read the RFP and has an exception to section 18 of the Consultant Services Agreement. We feel that, as written, the section implies that cbec is liable for any and all claims resulting directly or indirectly from our total performance, **as opposed to our error/omission, willful or negligent acts, defective or unsuitable services/products.** Please review our suggested changes and ~~marked out~~ text below. We are happy to provide more clarification if needed.

18. HOLD HARMLESS/INDEMNIFICATION

A. Each Party ("Indemnifying Party") agrees to indemnify, defend, and hold harmless the other party and their officers, directors and employees (collectively, "Indemnified Party"), to the fullest extent permitted by law, from and against all claims and actions, and all expenses (including but not limited to litigation expenses) incidental to such claims or actions, based upon or arising out of damages or injuries to persons or property or resulting from negligent acts, errors or omissions, or willful misconduct of the Indemnifying Party or anyone acting under its direction or control or on its behalf in the course of its performance of this Agreement.

~~A. Consultant shall indemnify and hold harmless District and its officers, agents and employees from any and all loss, damage, injury, liability, damages, judgments, claims of any and every kind resulting directly or indirectly from Consultant's performance of this Agreement, including, but not limited to, the use Consultant's facilities or equipment provided by District or others, regardless of whether liability without fault is imposed or sought to be imposed on District, except to the extent that such indemnity is void or otherwise unenforceable under applicable law, and except where such loss, damage, injury, liability or claim is the result of the active negligence or willful misconduct of District and is not contributed to by any act or omission of Consultant, its subcontractors or subconsultants or their agent or employee. The foregoing indemnity shall include, without limitation, reasonable fees of attorneys, consultants and experts and related costs.~~

~~B. Consultant shall indemnify and hold District harmless from all loss and liability, including attorneys' fees, court costs and all other litigation expenses for any infringement of the patent rights, copyright, trade secret or any other proprietary right or trademark, and all other intellectual property claims of any person or persons in consequence of the use by District, or any of its officers or agents, of articles or services to be supplied in the performance of this Agreement.~~

~~C.~~ B. This Section 18 shall survive termination of this Agreement.

Statement of Qualifications

8. Proposed Total Professional Fee and Fee Schedules

Developed by

cbec eco engineering

Developed for

San Lorenzo Valley WATER DISTRICT

Proposal Manager
Chris Hammersmark, PhD, PE
Proposal #P23-21
July 1, 2022

519 Seabright Ave, Suite 102, Santa Cruz, CA 95062 | 916.231.6052 | cbecoeng.com

8. Proposed Total Professional Fee and Fee Schedules

The following pages explain the cost estimations for the initial 3-year contract term for 2023–2025. An annual $7,500 dollar Emergency Fund is included to address potential damage to the gage network from the wet season and unforeseen events like earthquakes, windstorms, wildfires, debris flows, vandalism, theft, and instrument malfunction that would require gage reestablishment and recalibration. Utilization of the Emergency Fund will be approved by SLVWD prior to any activity. A standard 3% increase is applied for 2024 and 2025 labor rates to account for inflation. An estimated timeline is provided in the Gannt chart in Section 4.

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ESTIMATED PROJECT BUDGET SUMMARY

SLVWD Flow Monitoring
cbec Project # P23-21

Task #	Task Description	WY2023-2024 Gage Rental	WY2023-2024 Gage Ownership	WY2024-2025 Gage Rental	WY2024-2025 Gage Ownership	WY2025-2026 Gage Rental	WY2025-2026 Gage Ownership
1.1	Foreman and Boulder Creeks Dry Season Monitoring Gage Repair, Relocation, and Deployment 2023	$ 5,047.00	$ 5,047.00	$ -	$ -	$ -	$ -
1.2	Foreman and Boulder Creeks Dry Season Monitoring Gage Deployment 2024 & 2025	$ -	$ -	$ 2,892.00	$ 2,892.00	$ 2,984.90	$ 2,984.90
1.3	Foreman and Boulder Creeks Dry Season Streamflow Monitoring and Maintenance	$ 4,640.00	$ 4,640.00	$ 4,800.00	$ 4,800.00	$ 4,965.52	$ 4,965.52
1.4	Foreman and Boulder Creeks Data Processing, Analysis, and Transmission	$ 10,108.00	$ 10,108.00	$ 10,444.00	$ 10,444.00	$ 10,791.20	$ 10,791.20
1.5	Optional Foreman and Boulder Creeks Dry Season Non-Monthly Site Visits and Inspections	$ 1,740.00	$ 1,740.00	$ 1,800.00	$ 1,800.00	$ 1,862.07	$ 1,862.07
2.1	Fall Creek Gage Monitoring and Maintenance	$ 16,603.00	$ 16,603.00	$ 17,164.00	$ 17,164.00	$ 17,743.98	$ 17,743.98
2.2	Potential Fall Creek Gage Relocation in the Future	$ 5,476.00	$ 5,476.00	$ 5,650.00	$ 5,650.00	$ 5,829.54	$ 5,829.54
3	Project Management, Coordination, and Dissemination	$ 10,374.00	$ 10,374.00	$ 10,704.00	$ 10,704.00	$ 11,044.54	$ 11,044.54
	Labor Fee	**$ 53,988.00**	**$ 53,988.00**	**$ 53,454.00**	**$ 53,454.00**	**$ 55,221.74**	**$ 55,221.74**
	Reimbursables	**$ 13,040.50**	**$ 9,607.40**	**$ 13,091.82**	**$ 7,993.32**	**$ 13,484.57**	**$ 8,233.11**
	Subconsultant(s)	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
	Total Project Budget	**$ 67,028.50**	**$ 63,595.40**	**$ 66,545.82**	**$ 61,447.32**	**$ 68,706.31**	**$ 63,454.85**
	Emergency Fund	**$ 7,500.00**	**$ 7,500.00**	**$ 7,725.00**	**$ 7,725.00**	**$ 7,956.75**	**$ 7,956.75**
	Total Project Budget w/ Emergency Fund	**$ 74,528.50**	**$ 71,095.40**	**$ 74,270.82**	**$ 69,172.32**	**$ 76,663.06**	**$ 71,411.60**

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2023 ESTIMATED LABOR FEES

SLVWD Flow Monitoring
cbec Project # P23-21

Unless expressly provided within the contract, rates are subject to increase annually on January 1 of each year.

Task #	Senior Scientific Advisor	President / Managing Director	Director	Senior Ecoengineer III Senior Ecohydrologist III	Senior Ecoengineer II Senior Ecohydrologist II	Senior Ecoengineer I Senior Ecohydrologist I	Ecoengineer II Ecohydrologist II	EcoEngineer I EcoHydrologist I	Technician II	Technician I	Clerical / Admin. / Graphic Design	Subtotal Labor Hours Per Task		Subtotal Labor Fee Per Task
	$368	$311	$288	$259	$225	$201	$185	$161	$145	$110	$105			
1.1			5					17	6			28		$ 5,047.00
1.2												0		$ -
1.3									32			32		$ 4,640.00
1.4			4					16	44			64		$ 10,108.00
1.5									12			12		$ 1,740.00
2.1			2				8	12	87			109		$ 16,603.00
2.2			8				2	12	6			28		$ 5,476.00
3			21					21			9	51		$ 10,374.00
	0	**0**	**40**	**0**	**0**	**0**	**10**	**78**	**187**	**0**	**9**	**324**		**$ 53,988.00**

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2024 ESTIMATED LABOR FEES

SLVWD Flow Monitoring
cbec Project # P23-21

Unless expressly provided within the contract, rates are subject to increase annually on January 1 of each year.

Task #	Senior Scientific Advisor	President / Managing Director	Director	Senior Ecoengineer III Senior Ecohydrologist III	Senior Ecoengineer II Senior Ecohydrologist II	Senior Ecoengineer I Senior Ecohydrologist I	Ecoengineer II Ecohydrologist II	EcoEngineer I EcoHydrologist I	Technician II	Technician I	Clerical / Admin. / Graphic Design	Subtotal Labor Hours Per Task		Subtotal Labor Fee Per Task
	$380	$321	$297	$267	$232	$208	$191	$166	$150	$114	$109			
1.1												0		$ -
1.2								12	6			18		$ 2,892.00
1.3									32			32		$ 4,800.00
1.4			4					16	44			64		$ 10,444.00
1.5									12			12		$ 1,800.00
2.1			2				8	12	87			109		$ 17,164.00
2.2			8				2	12	6			28		$ 5,650.00
3			21					21			9	51		$ 10,704.00
	0	**0**	**35**	**0**	**0**	**0**	**10**	**73**	**187**	**0**	**9**	**314**		**$ 53,454.00**

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2025 ESTIMATED LABOR FEES

SLVWD Flow Monitoring
cbec Project # P23-21

Unless expressly provided within the contract, rates are subject to increase annually on January 1 of each year.

Task #	Senior Scientific Advisor	President / Managing Director	Director	Senior Ecoengineer III Senior Ecohydrologist III	Senior Ecoengineer II Senior Ecohydrologist II	Senior Ecoengineer I Senior Ecohydrologist I	Ecoengineer II Ecohydrologist II	EcoEngineer I EcoHydrologist I	Technician II	Technician I	Clerical / Admin. / Graphic Design	Subtotal Labor Hours Per Task		Subtotal Labor Fee Per Task
	$392	$331	$306	$275	$239	$215	$197	$171	$155	$118	$113			
1.1												0		$ -
1.2								12	6			18		$ 2,984.90
1.3									32			32		$ 4,965.52
1.4			4					16	44			64		$ 10,791.20
1.5									12			12		$ 1,862.07
2.1			2				8	12	87			109		$ 17,743.98
2.2			8				2	12	6			28		$ 5,829.54
3			21					21			9	51		$ 11,044.54
	0	**0**	**35**	**0**	**0**	**0**	**10**	**73**	**187**	**0**	**9**	**314**		**$ 55,221.74**

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ESTIMATED SUBCONSULTANT(S) FEES & EXPENSES

SLVWD Flow Monitoring
cbec Project # P23-21

Name	Task or Work Description		Fees
		$	-
		$	-
		$	-
		$	-
		$	-
		$	-
		$	-
		$	-
		$	-
		$	-
		$	-
		$	-
		$	-
		$	-
		$	-
		$	-
		$	-
		$	-
		$	-
		$	-
		$	-
	Subtotal Subconsultants	**$**	**-**
	Administrative Charge (10%)	**$**	**-**
	Total Subconsultant(s)	**$**	**-**

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ESTIMATED REIMBURSABLE EXPENSES - GAGE RENTAL

SLVWD Flow Monitoring
cbec Project # P23-21

Item Description	Quantity	Unit Cost	WY2023 Cost	WY2024 Cost	WY2025 Cost
Field Truck (100 miles free daily)	20 day(s)	125.00 /day	$ 2,500.00	$ 2,575.00	$ 2,652.25
Field Laptop	8 day(s)	25.00 day	$ 200.00	$ 206.00	$ 212.18
Wading Acoustic Doppler Velocimeter	17 day(s)	100.00 /day	$ 1,700.00	$ 1,751.00	$ 1,803.53
Temperature Data Logger	17 day(s)	15.00 /day	$ 255.00	$ 262.65	$ 270.53
Online Data Viewer Interface - Fall Creek	12 Month(s)	200.00 /month	$ 2,400.00	$ 2,472.00	$ 2,546.16
				$ -	$ -
Hobo Water Level Data Logger Rental -1	6 months	250.00 /month	$ 1,500.00	$ 1,545.00	$ 1,591.35
Hobo Water Level Data Logger Rental -2	6 months	250.00 /month	$ 1,500.00	$ 1,545.00	$ 1,591.35
Hobo Water Level Data Logger Rental -3	6 months	250.00 /month	$ 1,500.00	$ 1,545.00	$ 1,591.35
Foreman and Boulder Creek Gage Restablishment and Repair Materials	2 Amount	150.00 /per	$ 300.00	$ -	$ -
			$ -	$ -	$ -
Copying / Production			$ -	$ -	$ -
Courier / Delivery			$ -	$ -	$ -
Archiving / Documentation			$ -	$ -	$ -
		Subtotal Reimbursables	**$ 11,855.00**	**$ 11,901.65**	**$ 12,258.70**
		Administrative Charge (10%)	**$ 1,185.50**	**$ 1,190.17**	**$ 1,225.87**
		Total Reimbursables	**$ 13,040.50**	**$ 13,091.82**	**$ 13,484.57**

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ESTIMATED REIMBURSABLE EXPENSES - GAGE OWNERSHIP

SLVWD Flow Monitoring
cbec Project # P23-21

Item Description	Quantity	Unit Cost	WY2023 Cost	WY2024 Cost	WY2025 Cost
Field Truck (100 miles free daily)	20 day(s)	125.00 /day	$ 2,500.00	$ 2,575.00	$ 2,652.25
Field Laptop	8 day(s)	25.00 day	$ 200.00	$ 206.00	$ 212.18
Wading Acoustic Doppler Velocimeter	17 day(s)	100.00 /day	$ 1,700.00	$ 1,751.00	$ 1,803.53
Temperature Data Logger	17 day(s)	15.00 /day	$ 255.00	$ 262.65	$ 270.53
Online Data Viewer Interface - Fall Creek	12 Month(s)	200.00 /month	$ 2,400.00	$ 2,472.00	$ 2,546.16
				$ -	$ -
Hobo Water Level Data Logger	3 unit	360.00 /unit	$ 1,080.00	$ -	$ -
Hobo Waterproof Communication Shuttle	1 unit	299.00 /unit	$ 299.00	$ -	$ -
Foreman and Boulder Creek Gage Restablishment and Repair Materials	2 Amount	150.00 /per	$ 300.00	$ -	$ -
			$ -	$ -	$ -
Copying / Production			$ -	$ -	$ -
Courier / Delivery			$ -	$ -	$ -
Archiving / Documentation			$ -	$ -	$ -
		Subtotal Reimbursables	**$ 8,734.00**	**$ 7,266.65**	**$ 7,484.65**
		Administrative Charge (10%)	**$ 873.40**	**$ 726.67**	**$ 748.46**
		Total Reimbursables	**$ 9,607.40**	**$ 7,993.32**	**$ 8,233.11**

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FIELD EQUIPMENT RATES

SLVWD Flow Monitoring
cbec Project # P23-21

	daily	weekly	monthly
Current And Discharge Equipment			
Wading Acoustic Doppler Velocimeter	$ 100	$ 400	$ 1,000
Acoustic Doppler Current Profiler w/ Trimaran	$ 450	$ 2,250	$ 6,750
ADCP Tethered Package (ADCP, RTK, Flying Fox, Laptop)	$ 650	$ 3,250	$ 9,750
ADCP Boat Package (ACDP, RTK, Laptop, Boat)	$ 825	$ 4,125	$ 12,375
Data Loggers			
Water Level Pressure Transducer	$ 25	$ 125	$ 250
Water Level / Temperature / Conductivity	$ 25	$ 125	$ 250
Water Level Meter	$ 30	$ 70	$ 180
Barometric Pressure	$ 25	$ 125	$ 250
Rainfall	$ 10	$ 50	$ 150
Temperature	$ 15	$ 75	$ 225
Sonde Conductivity / Turbidity / Temperature / Depth	$ 130	$ 650	$ 1,950
Handheld Turbidity / Depth	$ 100	$ 500	
Handheld Conductivity / Temperature / Dissolved Oxygen Probe / pH / Barometer	$ 90	$ 450	
Survey Equipment			
Feno Spike (short)	$ 80		
Feno Spike (long)	$ 150		
Field Tablet or Laptop	$ 25	$ 125	
Mapping Grade GPS Receiver	$ 100	$ 500	
Survey Grade RTK GPS (Receiver + Network Subscription)	$ 350	$ 1,750	
Survey Grade RTK GPS (Receiver + Base Setup)	$ 400	$ 2,000	
Manual Total Station	$ 100	$ 500	
Robotic Total Station	$ 225	$ 1,125	
Single Beam Echosounder	$ 150	$ 750	
HyDrone RC Boat	$ 250	$ 1,250	
Unmanned Aerial System (UAS) - Quad Copter Drone	$ 150	$ 750	
Unmanned Aerial System (UAS) - Fixed Wing Drone	$ 300	$ 1,500	
Single Beam Boat Package (Echo, RTK, Laptop, Boat)	$ 600	$ 3,000	
Single Beam RC Package (Echo, RTK, Laptop, Hydrone)	$ 600	$ 3,000	
Single Beam Kayak Package (Echo, RTK, Laptop, Kayak)	$ 450	$ 2,250	
ATV Survey Package (RTK, ATV)	$ 425	$ 2,125	
Sedimentation Equipment			
Bedload Sampler	$ 175	$ 875	
Bed Material Sampler	$ 175	$ 875	
Suspended Sediment Sampler (less than 6 fps)	$ 75	$ 375	
Suspended Sediment Sampler (less than 12 fps)	$ 200	$ 1,000	
Bridge Crane	$ 60	$ 300	
Auger (Brass Cores $5/each)	$ 20	$ 100	
Transportation			
ATV - Ranger (Fuel at Cost)	$ 200	$ 1,000	
16-ft Jet Boat w/ 40 HP Outboard (Fuel at Cost)	$ 250	$ 1,250	
21-ft Jet Boat w/ 310 HP Inboard (Fuel at Cost)	$ 350	$ 1,750	
Inflatable Dinghy w/ 9.9 HP Outboard	$ 100	$ 500	
Inflatable Kayak	$ 50	$ 250	
Field Truck (IRS mileage rates apply; first 100 miles free for daily / weekly use)	$ 125	$ 625	$ 1,875

Unless expressly provided for within the contract, rates are subject to increase annually on the first of January.
For equipment rented outside cbec rental fleet, actual cost incurred will be charged.

Balance Hydrologics

8 June 2023

San Lorenzo Valley Water District

Attention: Carly Blanchard, Environmental Programs Manager

cblanchard@slvwd.com

RE: Proposal for San Lorenzo Valley Water District Streamflow Monitoring

Dear Carly Blanchard:

Balance Hydrologics, Inc. (Balance) is pleased to submit our proposal for the San Lorenzo Valley Water District (District) streamflow monitoring program. We are a group of skilled professionals dedicated to thoughtful data collection and analysis that will provide the District with a much-needed data set to monitor the streamflow and temperature downstream of the District's diversions and to provide real-time streamflow data to aid in the operation of the Fall Creek diversion.

The attached proposal highlights the following strengths of our team:

- **Familiarity & Continuity:** Balance has a long history of working with the District and within the San Lorenzo Valley. Balance initially began a streamflow monitoring program in 2013, which included 12 gages. Working with District staff, Balance refined the gaging program and the sites annually. We are intimately familiar with each location, the intricacies of data collection at each site, and the overarching goals and objectives of the monitoring.

- **Expertise:** Our team has expertise in low-flow (or baseflow) streamflow monitoring. Balance has worked in or studied nearly every watershed along the Central California Coast, with many of these efforts focused on evaluating the critical periods of low-flow. Locally, Balance has supported the District in their on-going streamflow monitoring, as well as both the Santa Margarita and the Mid-County Groundwater Sustainability Plan processes. For the Santa Margarita Basin, Balance focused on the 'depletion of interconnected surface water' sustainability indicator, data gaps, and development of the enhanced monitoring network, and conducted streamflow monitoring for many years. Our approach leverages our fundamental understanding of the local watershed processes from our robust surface water and groundwater work history to perform data collection and analysis in a manner that specifically addresses the data needs of the District.

- **Resources:** With our local office in Santa Cruz, we have a team of qualified hydrologists that are excited and ready to support the streamflow monitoring effort. Our team has the bandwidth to provide the requested services and deliverables on a timely basis. We are fully committed to our clients and to the success of their projects.

Balance Hydrologics

- **Effective communications:** At all levels, our staff prides itself on the ability to effectively communicate complicated aspects of our technical work in both written and verbal form. We regularly participate in meetings, workshops, and public hearings and always stand ready to provide that vital link between technical proficiency and fundamental understanding of analysis concepts to stakeholders.

We hope that our experience, genuine interest, and enthusiasm are apparent as you read our proposal for services. We are always happy to further discuss our capabilities, so please do not hesitate to contact us if you have any questions related to our qualifications or approach to meeting the District's needs. Included in our proposal you will find the Balance Hydrologics scope and proposed budget and fee schedule. Our primary point of contact for this work will be Chelsea Neill (details below), manager of our Santa Cruz office and who has a wealth of experience within the region.

BALANCE HYDROLOGICS, Inc.

Scott Brown, P.G.
Principal Geomorphologist / Hydrologist

Chelsea Neill, P.G.
Geomorphologist/Hydrologist
931 Mission St
Santa Cruz, CA 95060
(831) 457-9900, ext. 244
cneill@balancehydro.com

Colleen Haraden
Vice President, COO
charaden@balancehydro.com

Enclosures: Balance Hydrologics Proposal for Streamflow Monitoring Services

Proposal for

Water Year 2023-2025 Ecological and Operational Streamflow Monitoring

Submitted to:

San Lorenzo Valley Water District, 8 June 2023

Balance Hydrologics

Prepared by:

Balance Hydrologics
931 Mission Street
Santa Cruz, CA 95060
Chelsea Neill
cneill@balancehydro.com
(831) 457-9900

Balance Hydrologics

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Balance Hydrologics

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Balance Hydrologics

Section 1: Executive Summary

Balance Hydrologics (Balance) is proposing to continue monitoring streamflow in for the San Lorenzo Valley Water District's (District) streamflow monitoring program. During 2013, the District requested that Balance develop an approach and proposal to gage flows in channels that serve as water sources for the District. The District intends to use the data to better understand how its diversions may affect flow and habitat values – including those of sensitive species – in the San Lorenzo River and its tributaries. During the first five years Balance operated a network of 12 gages along 9 different creeks and conducted several additional studies to gain a better understanding of the various watershed systems within the San Lorenzo Valley. As is typical, after five years of monitoring we developed a more refined monitoring and diversion-management program to address the remaining questions and establish baseline conditions. The findings from the past nine years have been critical to understanding the various watershed systems within the San Lorenzo Valley. Additionally, these data have been used to inform and work with the regulatory agencies and the District staff to establish a baseline for future projects and operations for the District. The collected data will continue to be used to evaluate the potential impact of the District's diversions on streamflow and temperature for 'ecological' regulatory purposes, for habitat, and for potential conjunctive-use studies.

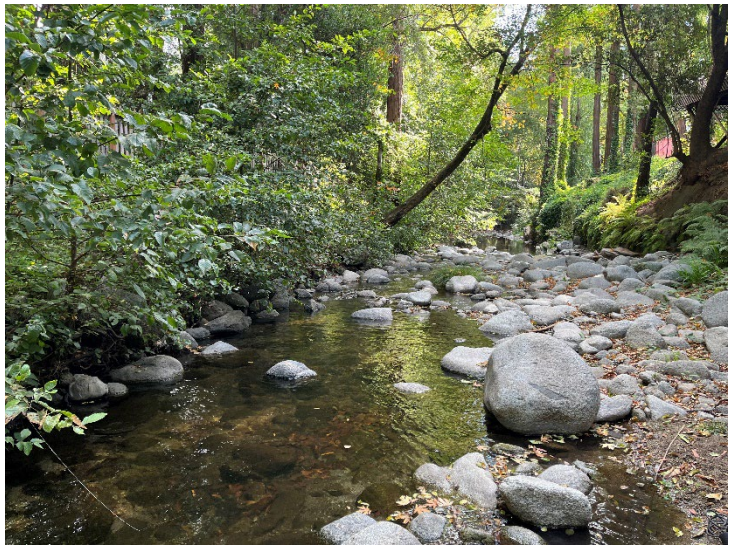
As part of this gaging program Balance installed two real-time gages on Clear Creek and Fall Creek, which became integral to the operations and management of the diversions on these two streams. During water year 2020 the District lost much of its critical infrastructure during the CZU lightning complex fire, including the Clear Creek diversion system. Balance has continued to operate the Fall Creek real-time station, with the goal of the monitoring at this site to provide real-time access for decision making and monitoring for diversion related purposes. The real-time station directly reports to the District's SCADA station, efficiently providing the operation staff with the streamflow data from Fall Creek to inform the management of the Fall Creek diversion.

Balance has expertise in low-flow (or baseflow) streamflow monitoring. Our approach to baseflow monitoring relies on standardized protocols in stream gaging with adaptations as needed for very low-flow conditions typical of small coastal streams. We routinely use small portable flumes and high-precision meters to provide high-quality measurements, even at the lower end of the range of typically gagable flows. For this project, our familiarity with these watersheds, each site, and the goals of the monitoring will allow us to collect data in a manner that will help understand how the District's diversions may affect flow and habitat values.

In addition to technical expertise, Balance staff are experienced in giving technical presentations to the public and to District and Agency Boards. We understand the importance of clearly communicating technical details and making the information concise and easy to understand to a broad audience. For example, project manager, Chelsea Neill was involved in the Santa Margarita Groundwater Sustainability Plan development and gave numerous presentations to the Boards and technical advisory committee. She additionally has given presentations to District staff and to the District environmental committee about the on-going monitoring for the District. We

Balance Hydrologics

understand the importance of making the goals and results of the District's monitoring efforts clear to the Board, and to the public, are critical for the on-going success of the monitoring program.



Balance has been working with the District on their gaging program, supporting their operations efforts, and supporting studies, such as the conjunctive use study, for the past 10 years. We are familiar with the District's operations, programs, and goals and can continue to adapt the on-going gaging program to best serve the District's evolving needs. In addition to technical expertise, Balance also knows the history of the project and can continue to provide continuity on the project for District staff with anticipated, or unanticipated, changes in District staffing.

Balance has a long history of gaging and studying the San Lorenzo River watershed and working for the San Lorenzo Valley Water District. If Balance is selected for the work, there will be a seamless transition to the 2023 monitoring season. Our deep understanding of the project history and the unique challenges posed by gaging in these environments, coupled with our technical expertise in streamflow monitoring will provide the District with a robust monitoring program to meet the District's goals and project needs.

Balance Hydrologics

Section 2: Identification of Prime Consultant

i. Balance Hydrologics, Inc.

Berkeley (Main Office)
800 Bancroft Way, Suite 101
Berkeley, CA 94710-2251
Phone:
(510) 704-1000
Fax: (510) 704-1001

Santa Cruz
931 Mission Street
Santa Cruz, CA 95060
Phone:
(831) 457-9900
Fax: (831) 457-8800

Truckee
12020 Donner Pass Road
Unit B1
Truckee, CA 96161
Phone & Fax:
(530) 550-9776

ii. Balance is a corporation, incorporated in California in 1988.

iii. Balance has no parent company.

iv. Point of Contact:

Chelsea Neill
Senior Professional Geomorphologist / Hydrologist
cneill@balancehydro.com
931 Mission Street, Santa Cruz, CA 95060
Phone: (831) 457-9900 Ext: 244, (618)201-6068
Fax: (831) 457-8800

v. Balance has 37 full-time employees and an additional five seasonal and on-call employees.

Discipline/Job Title	Total Number
Engineer/Hydrologist	12
Geomorphologist/Hydrologist	9
Hydrologist	3
Hydrotech	5
Hydrogeologist	2
AutoCAD/GIS Analyst	1
Data Scientist	1
Administrative Support	4
Officers	3

Section 3: Identification of Sub Consultants

Not Applicable. No subconsultant.

Balance Hydrologics

Section 4: Scope of Work, Assignment Organization and Experience of the Team

Proposed Team Organization and Experience

This project will primarily be supported by our Santa Cruz office. **Chelsea Neill**, P.G., Balance's Santa Cruz Office Manager, will serve as a project manager and lead hydrologist and geomorphologist. Chelsea is a California registered professional geologist (#9743) with a graduate degree from California State University- Monterey Bay in Watershed Science. She specializes in fluvial and coastal hydrology and geomorphology, principally in support of hydrologic monitoring programs and evaluating surface and groundwater interactions relevant to groundwater dependent ecosystems. Chelsea has led projects of similar scale in Santa Cruz County, including her role as project manager and technical lead for the San Lorenzo Valley Water District Streamflow Monitoring, Santa Margarita Streamflow Monitoring and Accretion Assessment, and Mid-County Monitoring Network Enhancement project.

Scott Brown will serve as Principal-in-Charge. Scott has been providing technical oversight to the on-going San Lorenzo Valley Water District Streamflow Monitoring program and served in the same role for Mid-County Monitoring Network Enhancement project. Scott is a California Registered Professional Geologist (#8722), with a graduate degree in geology from the University of Wisconsin-Madison. He has been with Balance for over 20 years and oversees many of the projects in the Greater Monterey Bay Area. Scott is principal-in-charge for Alameda County, Zone 7, and Contra Costa County hydrologic monitoring programs. Additionally, he manages and coordinates Balance's real-time monitoring system of over 200 stream and rain gages, including real-time systems for Alameda County, Zone 7, San Mateo County, the San Francisquito Creek Joint Powers Authority Early Flood Warning System project, Coastside County Water District, and Stanford University.

Jason Parke, a hydrologist and geologist with an undergraduate degree from the University of California at Santa Cruz, has been with Balance for nearly 20 years, much of that time spent working in Santa Cruz County on various hydrologic monitoring programs including the San Lorenzo Valley Water District Streamflow Monitoring program, City of Santa Cruz's stream gaging program, Santa Margarita Basin Streamflow Monitoring and Accretion Assessment, and the Santa Cruz County Long-Term Sediment Monitoring program. Jason also supported the well installation effort for Mid-County Monitoring Network Enhancement project. Jason also supports the Alameda County Hydrologic Data Acquisition program.

John Hardy is a hydrologist with a graduate degree in Forestry Sciences with a concentration in Watershed Management and Hydrology from California Polytechnic State University. His graduate work was conducted at Swanton Pacific Ranch, where he gained hands-on experience in hydrologic monitoring. John has been the technical lead or project manager for several of Balance's hydrological monitoring programs including those for Stanford University, Coastside County Water District, San Mateo County, Valley Water, and Mid-County Groundwater Agency.

For a deeper look at our staff's relevant experience please see **Appendix B: Resumes.**

Work Plan and Time Allotment

Task 1a. Gage Repairs after the 2023 Atmospheric Events

In January 2023 a series of atmospheric events caused high-flows and flooding throughout California. These high-flow events caused damage to both the Boulder Creek and Foreman Creek gages. Balance staff visited the Boulder Creek and Foreman Creek gages on May 2, 2023, and found that both gages were destroyed in the high-flows (**Figure 1** and **Figure 2**). Balance has experience installing stream gages throughout all of California. Balance has operated a gage on Foreman Creek since 2013 and on Boulder Creek since 2014. The Foreman Creek gage was originally located near the diversion box but was relocated just upstream of Highway 236 after it was buried during the high-flows of 2017. We are familiar with the reaches of these creeks and know how to select appropriate gage locations

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to maximize data quality. Balance has benchmarks at each site and will survey the new staff plates to tie into the previous datum for the gages. We have budgeted additional time for these repairs since they are more than what we typically expect at the beginning of the monitoring season. Time in this task is for the installation of the damaged gages, and we assume that there won't be any additional coordination or permitting required.

Figure 1. Creek gage before (left) and after (right) 2023 atmospheric river events.

Figure 2. Boulder Creek gage before (left) and after (right) 2023 atmospheric river events.

Deliverables: Streamflow gages installed on Foreman and Boulder Creeks.

Task 1b. Dry Season Monitoring on Foreman and Boulder Creeks for Flow and Temperature (June to November)

We propose to operate two streamflow gages seasonally during the driest portions of the year (June- November). This period of time is critical for understanding the flow and temperature of the creek at (and downstream from) your diversions, as well as the habitat value, during periods of low flow. Additionally, these data are important for informing the District's participation in the on-going conjunctive-use study.

Each gaging location is equipped with a staff plate and two Solinst Leveloggers to collect continuous depth and temperature data. The District has been renting these loggers from Balance and we have included these rental costs in the budget table.

The annual dry season monitoring effort will include regular site visits, approximately monthly, (June to November) to the Foreman and Boulder Creek gages to collect baseline data and make observations. The regular visits allow us to ground truth flow at stations by performing a flow (discharge) measurement and a staff plate (gage height) reading, to note changed conditions which may affect flow (e.g., in-channel vegetation or algal growth), to download the data, to measure temperature and specific conductance, and to conduct routine maintenance. High-water marks from the preceding season will be noted during the June visit and converted (if sufficient data are available from prior years) to a peak flow. Visible high-water may also be observed if storms occur during the months of June to November. All field measurements will be documented by date in the station observers' logs, which will be included with data submittals.

Streamflow measurements will follow methods established by the Federal interagency Sedimentation Program. Streamflow will be measured using a bucket-wheel meter, either a full-size Type AA ("Price"), or a 60% scale smaller meter ("pygmy meter"), an electromagnetic velocity meter (Hach), or a handheld acoustic doppler velocimeter (Flowtracker ADV). The type of flow meter used will be selected based on flow and channel conditions. For example, the Flowtracker ADV may be more suitable for extremely low flows. Flow meters will be tested and will meet or exceed the required calibration test of that type of meter prior to measuring flow.

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Pressure transducers will be removed prior to the first significant rainfall event to prevent potential loss of equipment during high-flows at sites where this is a concern. Balance will work with the District on the timing of the equipment removal if dry conditions persist into the winter.

Streamflow Data Work-Up

Measurements of streamflow are taken at a variety of stream stages (depths) to develop an accurate stage-discharge rating curve (rating curve), which establishes the relationship between stream stage and discharge. The rating curve is used to create a 15-minute record of flow from the 15-minute record of water depth collected by the pressure transducers. The rating curves for these gages will be calibrated for mid-to-low flows since the streamflow gaging will be focused on baseflow. Balance has established rating curves at each location. The rating curves for each site may need to be developed or adjusted during the first year of monitoring because both the gages were destroyed in the 2023 atmospheric event and will need to be re-built in new locations. As is typical for all streamflow gaging, the rating curves will continue to be updated and refined over time to reflect any changes in the channel condition.

Balance will produce a record of streamflow by first creating a 15-minute record of stage as measured by the pressure transducer. The records of streamflow will be computed by applying the rating curve to the record of stage. The records of stage and streamflow will be calibrated to manual observations and measurements and will be produced by a qualified hydrologist. (The stage-to-flow relationship at a given site is not constant and needs to be adjusted periodically due to changes in site conditions, such as debris build-up, in-channel vegetation growth, sedimentation/scour, or other changes in channel cross-section. These adjustments are especially important in working up low-flow records, when small changes can result in significant differences in the stage/flow relationship.) Balance has a rigorous internal QA/QC process, involving the review of all data records by a principal hydrologist. All work for this project will be done under the direction of a certified professional geologist (PG).

Deliverables: Records of streamflow and temperature for Foreman and Boulder Creeks (See Task 3)

Task 2a. Fall Creek Gage Re-Location

The Fall Creek fish ladder is scheduled to be replaced this summer, with anticipated construction beginning June 2023. During the construction Balance will move the existing gage to a location downstream of the construction as part of the existing contract with the District. Once the fish ladder has been re-constructed, the real-time gage will need to be re-established. We see three potential options for the permanent location of the gage (**Figure 3**):

1. Attached to the upstream side of weir #2, in the pool with the diversion intake. This is approximately the same location as the existing set-up,
2. In one of the pools downstream of weir #2, or
3. At the newly established location downstream of the fish ladder.

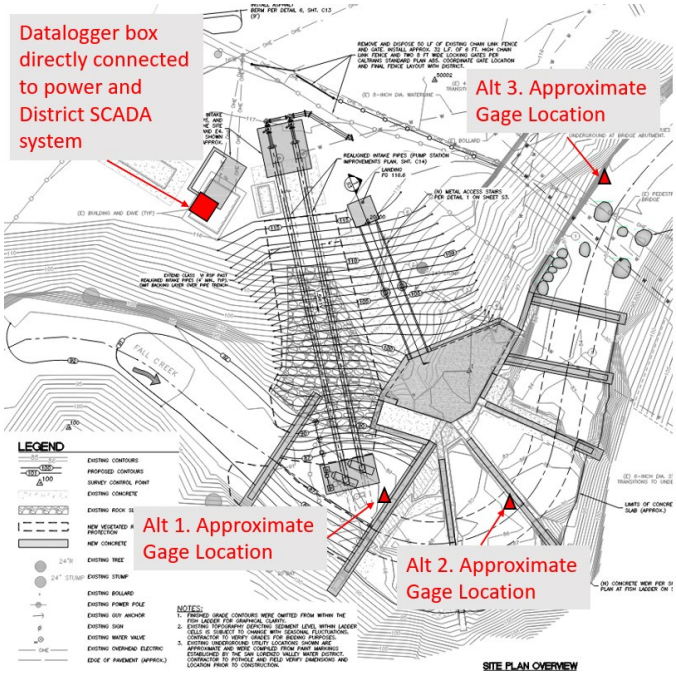

Figure 3. Proposed alternative locations for the Fall Creek real-time gage after the construction of the new Fall Creek Fish Ladder.

The first two alternatives may be preferential because the weir provides a stable control and rating curve for the gage. The gage will ideally be located downstream of the District's diversion, so the bypass flow is clearly being reported. One of the current challenges with

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the existing set-up is the regular changes to the weir boards and the associated variable leakage through the boards, which can make it challenging to report a high-accuracy flow. It is our understanding that the new fish ladder will not have weir boards, eliminating this variable from the gaging set-up. Balance plans to assess the site with District staff once the fish ladder is constructed to decide on the final location of the new gage. Balance will work with District staff to get power to the datalogger and to directly hook into the SCADA system.

Deliverables: Real-time gage installed and reporting to District SCADA system and to Balance's online real-time portal

Task 2b. Operational Gaging at Fall Creek

Balance has operated a gage on Fall Creek since 2013 and in October of 2018, at the request of the District, we installed a real-time gage at the Fall Creek Fish Ladder. This real-time station replaced a single sensor that the District had in place, which reported at a relatively coarse scale. The new real-time station has two sensors (one for back-up) and reports a calibrated flow signal directly to the District's SCADA system, which is used to actively manage the diversion. In addition to reporting directly to the SCADA system, the gage also reports in real-time to a Balance-hosted online portal. The additional reporting to the Balance portal has made our operation and maintenance of the gage streamlined and more efficient because it allows Balance staff to monitor the gage and quickly head into the field for maintenance if an issue arises. It also provides a way to adjust gage calibration remotely and a place to store and archive the collected data without manually downloading the datalogger.

The monitoring at Fall Creek will be throughout the year, to aid in the District's diversion management. Balance will make regular (approximately monthly) site visits to calibrate flow by performing a flow (discharge) measurement and a staff plate (gage height) reading, to note changed conditions which may affect flow, and to make light-duty repairs as needed. This differs from previous years, where Balance staff made site visits approximately quarterly and at the District request. The additional regular site visits will allow for a higher-accuracy level of gaging at the site. Balance will also monitor the streamflow and make calibration visits when the streamflow is approaching the levels of the bypass flows as defined by the water rights permits.

We will update the real-time after the regular site visits to calibrate the real-time output. We will communicate with District staff when we have made adjustments to the real-time.

Deliverables:

1. Real-time stage and flow data reported directly to the District's SCADA System.
2. Real-time stage and flow data reported directly to a Balance-hosted online portal.

Task 3. Reporting and Data Transmittal

Balance will produce a brief memo summarizing the main findings from the dry season monitoring annually. The report will summarize the general conditions, the streamflow conditions, and other notable conditions or changes from previous monitoring years. The report will include graphs of mean daily stage, streamflow and temperature, as well as the observation logs.

In addition to providing the District with raw excel files, Balance will upload the data to the Water Information Systems by Kisters (WISKI) data management system as they have done for the past few years. Balance was involved in the development process of this data management system and is familiar with the data upload process, as well as how to create or update stations.

Balance will prepare for and give a brief presentation of the annual streamflow monitoring data collection and results to the District board. Balance will have staff available locally to give the presentation in-person, if desired. Otherwise, the presentation can be done remotely.

Deliverables:

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1. Annual records of stage, streamflow, and temperature (15-minute interval) for Foreman and Boulder Creek gages during the dry season (June through November) in raw excel format.
2. Annual records of stage, streamflow, and temperature (15-minute interval) for Foreman and Boulder Creek gages during the dry season (June through November) uploaded to WISKI.
3. Annual observation logs with all collected field measurements and observations for 3 stream gages (Foreman, Boulder and Fall Creeks)
4. Annual brief memo summarizing results of monitoring and surface water conditions during the monitoring period.
5. Annual streamflow monitoring summary presentation to the District Board.

Task 4. Project Coordination, Administration, Management, and Schedule

Time in this task will be used for coordination with the District and administrative items to keep the project moving forward efficiently. The annual schedule for the proposed work is shown in Appendix A. Chelsea Neill will serve as the project manager and will be the primary point of contact for the project. Chelsea has been working with District staff for the past five years and will clearly and regularly update District staff on the status of the project.

Time under this task includes:

- Managing the contract with District;
- Reviewing any new or additional information related to District monitoring requirements;
- Providing a monthly summary of the field data collected via email; and
- Submitting monthly invoices for services.

Deliverables:

1. Monthly summary of site visit and observed and measured conditions.
2. Monthly invoices for services that adhere to District requirements.

Readiness and Capacity

Balance has the capacity to provide the required services in a timely manner. Our current book of work is steady but allows for the continuation of the San Lorenzo Valley Water District Streamflow Gaging project. Our staff are regularly accessible to our clients, via the preferred avenues of communication of our clients. The Balance team is flexible to respond to quick turnaround requests and understand how various drivers may impact our clients with project stops and starts.

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Section 5: Experience and Past Performance with References(Including cost and schedule control)

San Lorenzo Valley Water District Stream Gaging, San Lorenzo Valley Water District, Santa Cruz County, California

In 2013 Balance assisted SLVWD with the development of a gaging program for a habitat conservation plan, primarily focused on stream temperatures and local anadromous fish. After comprehensive backgrounding of the SLVWD water system and reconnaissance of 15 miles of the San Lorenzo River, the tributary watersheds, and local geology, Balance prepared and implemented an extensive gaging program to collect data and provide findings relating flow, water temperature, and fish biology. The program included a network of 12 continuous recording stream gaging stations in remote locations, strategically located to address questions about flow and temperature trends in tributary watersheds and along the main stem of the San Lorenzo River. Some of the gaging stations were located to record precise flow records out of diversion boxes and others were placed in challenging low-flow locations with boulder beds and high hyporheic flows. Careful consideration of types of data to collect was applied to discern seasonal trends, groundwater sources of flows, and magnitudes of scale to of tributary flow to SLR flow. As is typical, after five years of monitoring, Balance developed a more refined monitoring and diversion- management program, to focus on evaluating the potential impact of the SLVWD diversions on streamflow for 'ecological' regulatory purposes, with a concentration on streamflow monitoring during the 'dry season'. The gaging program continues to be refined and updated annually. For example, Balance adapted the monitoring program to meet SLVWD needs after much of their critical infrastructure was lost during the 2020 CZU lightning fire.

Additionally, Balance also provides services to improve and simplify operations at the SLVWD. Prior to the CZU lightening fire Balance designed and implemented a remote, low-power, low-cell signal, real-time gaging station deep in a redwood canyon on Clear Creek. The gaging station provided (prior to equipment damage in the 2020 CZU fire) instant access to calibrated flow data on a remote stream where a downstream water user needs assurance they are receiving their allocated water right. Balance also currently operates and maintains a real-time station at the Fall Creek fish ladder that feeds directly into the SLVWD SCADA system to aid in diversion management.

Key Staff:	B. Hecht (Principal-in-Charge), C. Neill (Project Manager, Data Collection, Analysis and Reporting, Presentations), J. Owens (QA/QC), J. Parke (Data Collection, Analysis and Reporting), S. Brown (Technical Advisor)
Client Contacts:	Carly Blanchard, Environmental Programs Manager, cblanchard@slvwd.com, (831) 430-4639
Duration:	2013- 2023
Budget and total dollar value:	$182,092 (2013-14); $157,411 (2015); $141,636 (2016); $134,569 (2017); $130,545 (2018), $69,795 (2019), $73,439 (2020), $20,949 (2021), $40,780 (2022), $29,769.20 (2023)
Budgeted schedule and total time to completion:	Completed on schedule and budget.

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Santa Margarita Streamflow Monitoring and Accretion Assessment, Santa Margarita Groundwater Agency, Santa Cruz, California

Balance began monitoring streamflow within the Santa Margarita Basin in water year 2009. This streamflow data provided critical information related to the groundwater surface water interaction within the Basin for the development of the Santa Margarita Groundwater Sustainability Plan (GSP). Balance led the planning and installation of additional stream gages as part of the enhanced monitoring network to fill in data gaps for the depletion of interconnected surface water sustainability indicator. Balance has continued to operate and monitor five stream gages in support of the GSP, as well as to monitor groundwater dependent ecosystems within the Basin. In addition to streamflow gaging, Balance evaluated interconnected surface water by conducting annual late-season stream observation walks ("accretion runs"), where flow and specific conductance were measured with high precision at select locations along the San Lorenzo River and its tributaries. Accretion studies tell where the aquifer is adding flow to the stream, and where the stream is replenishing the aquifer. Carefully conducted accretion studies are perhaps the best way of quantifying an understanding of aquifer dynamics and surface-groundwater exchange.

Key Staff:	D. Shaw (Principal-in-Charge), B. Hecht (Technical Advisor), C. Neill (Project Manager, Analysis and Reporting), J. Hardy (Data Collection, Analysis and Reporting), J. Parke (Data Collection, Analysis and Reporting)
Client Contacts:	Sierra Ryan, Water Resources Manager, County of Santa Cruz Environmental Health, Health Services Agency, 701 Ocean St rm 312, Santa Cruz, CA, 95060, (831) 345-5202, Sierra.Ryan@santacruzcounty.us
Duration:	2020-2022
Budget and total dollar value:	$142,275 (2020), $82,165 (2021), $51.971 (2022)
Budgeted schedule and total time to completion:	Completed on schedule and budget

Streamflow Gaging and Water Diversion Management, Rancho San Carlos, Monterey County, California

Periodically since 1993 and continuously since 2001, Balance has managed 4 stream gaging stations in three different subwatersheds of the Carmel River for the Santa Lucia Conservancy and the Rancho San Carlos Partnership. The stations are located within the 20,000-acre Santa Lucia Preserve, which includes very-low density residential housing, a golf-course and equestrian center, and 18,000 acres of dedicated open-space. Early stages of the gaging program (before 2001) were intended to establish baseline, pre-project conditions. Since 2001, the gages have been operated to monitor potential post-project impacts to summer baseflow due to groundwater extraction or other development aspects, as required by the County.

Two of these gages are located upstream and downstream of a small reservoir used to supply irrigation water for the golf course and other facilities. NOAA Fisheries (formerly the National Marine Fisheries Service) has defined a specific diversion protocol to be followed in order to maintain appropriate flows to support steelhead habitat downstream of the dam. Near real-time streamflow data from both

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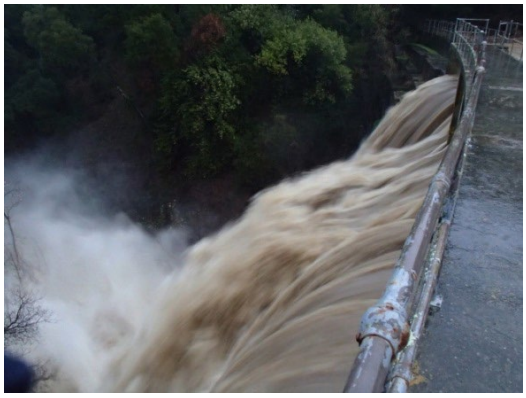
gages (into and out of the reservoir) are available to the client through our website, so that maintenance staff can adjust the diversion scheme as needed following the protocol.

Key Staff:	S. Brown (Principal-in-Charge, Project Manager), J. Parke (Data Collection, Analysis and Reporting), C. Neill (Data Collection)
Client Contacts:	Aaron Dula, Director of Water Systems, Santa Lucia Preserve, adula@santaluciapreserve.com, (831) 620-6783
Duration:	2001 - Present
Budget and total dollar value:	$250,221
Budgeted schedule and total time to completion:	Completed on schedule and budget.

San Francisquito Creek Watershed Long-Term Hydrologic Monitoring and Assessment Program, 1994–Present, San Mateo and Santa Clara Counties, California

For nearly 30 years, Balance staff have worked with Stanford University and its cooperators to instrument and telemeter rainfall, stream flow and water-quality data to key control centers and websites of these entities. The data are of particular importance in that they are used to guide water resource management decisions in a watershed that is habitat for a number of sensitive species, including steelhead trout and California red-legged frogs.



Stormflow at Searsville Dam December 23, 2012

Key programs components include installation, operation, and maintenance of telemetered stream gages on Los Trancos Creek (gaged since 1994), Searsville Lake (gaged 1998, and since 2002), and Bear Creek (gaged since 2000). Streamflow data from these stations is reported on a password-protected website within Balance's real-time database system so that flow conditions and station parameters can be viewed or downloaded.

In addition to monitoring at Searsville Dam, Balance maintains and monitors stations upstream from Searsville Lake at Corte Madera Creek (since 1995) to assist in management of the Searsville Reservoir and has added monitoring stations on Sausal/Dennis Martin and Alambique Creeks during water year 2013.

As part of an effort to improve the University's diversion management system, Balance staff coordinated with Stanford to develop a method to transfer streamflow and depth data from existing monitoring stations and integrate that data into their new SCADA system. The University uses these data to operate and optimize their automated pump management system in order to maintain environmental performance standards for their in-stream diversions.

Key Staff:	J. Owens (Principal-in-Charge, Project Manager), S. Brown (Real-time lead), J. Hardy, J. Parke, C. Neill (Data Collection)
Client Contacts:	Karla Traynor Smith, P.E., Senior Project Manager, Stanford University Department of Project Management, (650) 444-5662, karlat@stanford.edu
Duration:	1994 - Present
Budget and total dollar value:	$1,619,655 (includes multiple water years since 1994)
Budgeted schedule and total time to completion:	Completed on schedule and budget.

Balance Hydrologics

Hydrologic and Hydrogeologic Support to Coastside County Water District, Coastside County Water District, San Mateo County, California

Coastside County Water District (CCWD) manages a number of wells, surface-water diversions, Denniston reservoir and imported Hetch Hetchy water, as well as treatment and distribution systems to supply potable water to the City of Half Moon Bay and the unincorporated coastal communities of El Granada, Miramar and Princeton-By-The-Sea, located in San Mateo County. While conducting water-supply investigations in the Mid-Coast San Mateo County region over the past several decades, Balance has established a solid working relationship with CCWD – conducting surface and groundwater related projects – and has an ongoing advisory role with the CCWD's EIR planning team.

Balance operates several gaging stations on San Vicente and Denniston Creeks. Data are used by the planning team on behalf CCWD as part of a broader reassessment of existing water rights on the two streams, and how yields from these streams may be conjunctively managed. The unique hydrology of the deeply weathered granitic bedrock and soils buffer the intensity and duration of stormflows, further extending the dry-season baseflow recession relative to non-deeply weathered granitic watersheds. Working to inform the planning process and basin stakeholders as to a conceptual understanding of this unique hydrologic system, Balance staff interprets these gaging data to respond to public comments, establish points of compliance for habitat resources and senior water rights holders, and work toward establishing a reliable, local water supply for CCWD customers.

Balance has performed an analysis of existing diversions by senior water rights holders, and performed an unimpaired flow correlation analysis to create a synthetic long-term record which was used for evaluation potential water availability during various water-year types (e.g. normal, wet, dry). Balance has also been called to perform hydrogeologic evaluations to assist CCWD with water-well siting.

Key Staff:	B. Hecht (Principal-in-Charge), E. Donaldson (Project Manager), J. Owens (QA/QC), S. Brown (QA/QC), C. Neill (Data Collection, Analysis and Reporting), J. Hardy (Data Collection, Analysis and Reporting), J. Parke (Data Collection, Analysis and Reporting)
Client Contacts:	Mary Rogren, CCWD General Manager, mrogren@coastsidewater.org, (650) 726-4405
Duration:	2004-Present
Budget and total dollar value:	$73,965 (2012), $56,524 (2013), $54,755 (2014), $70,621 (2015), $104,926 (2016), $89,589 (2017), $89,749 (2018), $102,367 (2019), $96,935 (2020), $98,161 (2021), $99,411 (2022), $92,516 (2023)
Budgeted schedule and total time to completion:	Completed on schedule and budget.

Balance Hydrologics

Section 6: Firm's Local Experience

Balance Hydrologics is a specialized firm established in 1988, recognized as a leader in the analysis of watershed and channel dynamics, with offices in Berkeley, Santa Cruz, and Truckee, California. Our firm is comprised of nearly 40 professional staff with a broad array of experience in California, with most having an advanced graduate degree in the fields of hydrology, geology, or engineering. A hallmark of our work has been our ability to monitor and measure the movement of water, sediment, and water-quality constituents in streams, lakes, groundwater basins and tidal systems, under a wide range of conditions. Our emphasis is on intensive field study, structured to meet the specific needs of the habitat or watershed manager and result in a fundamental understanding of the watershed- and reach-scale geomorphic factors that influence such key parameters as hydraulic geometry, sediment transport and response to episodic disturbances, and the interaction between channel form and aquatic habitat quality.

Balance has been working on the Central Coast for decades, giving our team a strong understanding of the physical and natural setting. We have provided services similar to this project to clients throughout northern California including both the City and County of Santa Cruz, San Lorenzo Valley Water District, Scotts Valley Water District, Monterey County Water Resources Agency, Pajaro Valley Water Management Agency, CSA-50, Valley Water, East Bay Municipal Utility District, Alameda County Flood Control and Water Conservation District, Zone 7 Water Agency (Alameda County), Stanford University, San Mateo County Flood Resilience Program, Marin County Flood Control District, Marin Municipal Water District, Contra Costa Flood Control and Water Conservation District, San Francisquito Joint Powers Authority, and others. Much of our technical work is founded in experience gained in Santa Cruz County. We have been working directly with both the City of Santa Cruz and Santa Cruz County staff in long-term stream gaging, sediment transport, and large wood studies. Further up the coast Balance developed and manages stream flow and groundwater monitoring programs for Montara Water and Sanitary District, Coastside County Water District, and Marin Municipal Water District.

Balance played a role in the development of the Santa Margarita Groundwater Sustainability Plan, of which the San Lorenzo Valley Water District is a member agency. Balance provided expertise related to surface water groundwater interaction within the basin in support of the development of the depletion of interconnected surface water sustainability indicator. The work that Balance has supported for the District, played a fundamental role in our knowledge of the Basin and in the development of the GSP. Balance understands the on-going requirements for the GSP and how the District's monitoring efforts ties into the goals of the Santa Margarita Groundwater Agency.

Balance has supported the San Lorenzo Valley Water District with the development of their gaging program in support of their conjunctive use study and on-going operations for the past 10 years. The data Balance has collected has been used in support of the conjunctive-use study. Balance worked with Nick Johnson on the initial alternatives assessment and has continued to provide data to Mike Podlech in support of the fisheries assessment.

The San Lorenzo Valley and its residents were heavily impacted by the 2020 CZU lightening fire. Much of the District's critical infrastructure was destroyed during this event. Balance worked with the District, during and after the fire, to maintain or re-install gages as the diversions were brought back. Balance knows the history of the prior gages and the locations and can leverage our understanding of the watersheds and unique challenges posed by each site to support the monitoring and re-install gages as more of the diversions are replaced.

Balance Hydrologics

Section 7: Creative Alternatives

Re-establishing critical gages lost during the CZU Fire

It is our understanding that the District is working to re-establish some of its diversions that were lost during the CZU fire, such as Clear Creek and Peavine Creek. Balance had previously installed and operated gages at these locations and will work with District staff to re-establish these gages as the diversions come back on-line. We understand that some of the locations pose unique challenges. For example, prior to the CZU fire Balance designed and implemented a remote, low-power, low-cell signal, real-time gaging station deep in a redwood canyon on Clear Creek. The gaging station provided (prior to equipment damage in the 2020 CZU fire) instant access to calibrated flow data on a remote stream where a downstream water user needs assurance they are receiving their allocated water right. Our existing knowledge of the solutions to gaging in these remote environments, will allow Balance to efficiently plan and install new gages to meet the District's needs. These services would be scoped and budgeted separately, if the need arises.

Fall Creek Data Record

The Fall Creek gage became an 'operational' gage beginning in 2018, with no associated data work-up. In that time, Balance has had a few requests for the streamflow data record from this site to support the on-going conjunctive use study and to meet regulatory requirements. While the real-time gage provides a record of the streamflow, it is not a finalized, QA/QC'd record. Given the on-going regulatory requirements on Fall Creek, it may be beneficial to produce a finalized record of streamflow for this site annually. While we did not include the cost to work-up the data within the scope, Balance could create this record of streamflow as the need arises for the District.

Station Calibration Schedule

The District has requested an approximate monthly monitoring schedule for calibration visits during the period of active gaging for each of the stations. While we agree that monthly visits are appropriate during the first year (due to the re-siting requirements of the gages discussed above), there may be opportunity to adapt the protocol in latter years to streamline the program and/or optimize the timing of calibration visits relative to key environmental and/or diversion metrics at each site. As is standard for our gaging projects, we remain open to discussions regarding the protocols outlined in this scope of work, especially in latter years once we have an understanding of the performance of the newly re-established monitoring sites.

Balance Hydrologics

Section 8: Proposed Total Professional Fee and Fee Schedules Submitted Under Separate Sealed Cover

The annual budget for the monitoring is shown in **Table 1.** It includes a summary of the expenses, including mileage and the cost of equipment rental fees for manual flow measurement. We anticipate the labor associated with each task to be the same every year, with the exception of Task 1a (Gage Repairs) and Task 2a (Fall Creek gage re-location). We have included a 3% escalation rate for each successive monitoring year to account for billing rate increases.

Balance has a team of qualified hydrologists locally in Santa Cruz that were involved in the planning and installation of the stream gages that are prepared to continue supporting the project. While the fieldwork will largely be conducted by an individual staff member, we have budgeted time for the project under multiple professional rates to account for various staff working at different times on the project. This scheme allows for flexibility in scheduling and conducting the work and provides adequate staffing back-up to cover work during vacations or absences due to illness.

We have also set aside a contingency budget associated with the streamflow monitoring tasks. This budget could be used to repair damage to gaging equipment from unforeseen events, such as high-flow, wind storms, high sedimentation, logjams, etc. or for needed repair and recalibration work following a seismic event. The contingency would allow us to move forward more quickly in the event of these circumstances. The contingency will not be used without authorization from the District.

Team Member	Level	Hourly Rate
Chelsea Neill, PG	Senior Professional	$201
Scott Brown, PG	Principal II	$237
Jason Parke	Staff Professional	$158
John Hardy	Staff Professional	$158
Word Processing Team	Report Specialist	$98
Rachel Boitano	Sr. Project Admin	$135

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Section 9: Exceptions to this RFP

We have fully read the RFP and take no exceptions to the RFP.

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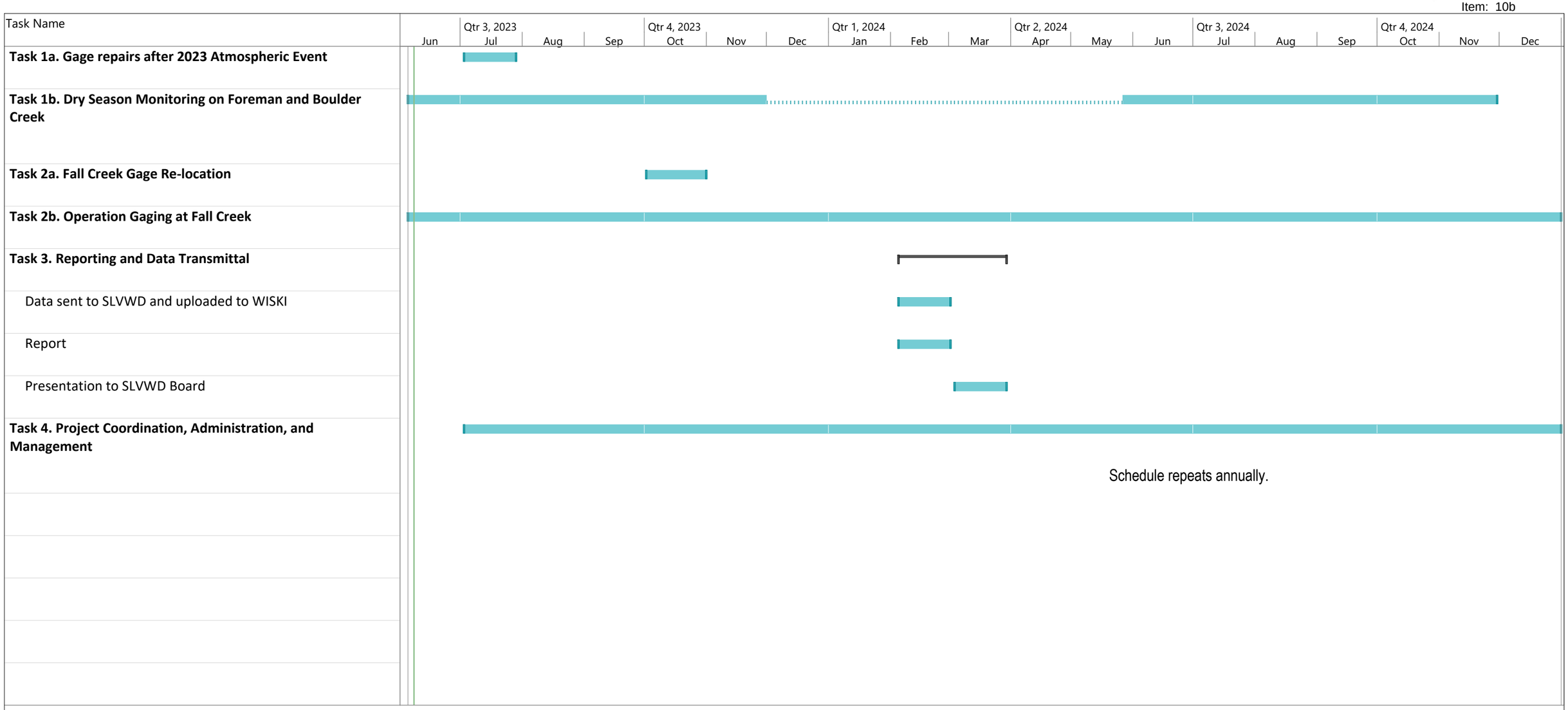
Appendix A: Schedule



Project: SLVWD Monitoring
Date: 6/8/2023

Task	Project Summary	Manual Task	Start-only	Deadline
Split	Inactive Task	Duration-only	Finish-only	Progress
Milestone	Inactive Milestone	Manual Summary Rollup	External Tasks	Manual Progress
Summary	Inactive Summary	Manual Summary	External Milestone	

Balance Hydrologics

Appendix B: Resumes

Balance Hydrologics

Chelsea Neill, PG

Geomorphologist/Hydrologist

Education

M.S., Watershed Science, Applied Marine and Watershed Science Program, California State University- Monterey Bay, 2015

B.S. Geosciences, Denison University, 2009

Registrations:

California Professional Geologist #9743

Summary of Experience

Chelsea Neill specializes in fluvial and coastal hydrology and geomorphology, principally in support of habitat management and channel repair projects. As the Santa Cruz Office Manager, she manages projects related to groundwater/surface water interactions, sediment transport, planning and monitoring, and stream restoration. She has extensive experience collecting and analyzing topographic, bathymetric, and hydrologic data, including water quality and sediment samples. Chelsea is experienced in spatial and temporal analysis and remote-sensing through GIS platforms, as well as analysis through hydrologic modeling, she has conducted a variety of field investigations related to salmonid fisheries and assists in planning and monitoring stream restoration project. Ms. Neill received her Master's in Watershed Sciences from California State University, Monterey Bay and has worked on numerous projects throughout the Central California Coast, particularly within the Salinas Valley.

Santa Cruz Mid-County Basin Monitoring Network Enhancement, Santa Cruz Mid-County Groundwater Agency, Santa Cruz County. Ms. Neill is the project manager for the enhancement of the Mid-County Basin monitoring network in support of the Mid-County Basin Groundwater Sustainability Plan. The goal of the monitoring network is to fill data gaps related to the depletion of interconnected surface water. Ms. Neill led the effort to select sites for paired wells and stream gages. The scope of this effort included working with landowners on access, leading the permitting effort, developing the monitoring plan, designing and installing six stream gages, and designing and providing oversight to the installation of six shallow monitoring wells.

Santa Margarita Basin Streamflow Monitoring and Accretion Assessment, Santa Margarita Groundwater Agency, Santa Cruz County. Ms. Neill is the project manager for the on-going streamflow monitoring in support of the Santa Margarita Groundwater Sustainability Plan (GSP). Balance operated streamflow gages throughout the basin to aid in understanding the groundwater surface water interactions both before and during the GSP development. As part of this process, Balance conducted streamflow accretion studies to evaluate where the aquifer is adding flow to the stream, and where the stream is replenishing the aquifer. Balance continues to operate five streamflow gages throughout the basin to fill data gaps related to the depletion of interconnected surface water within the Basin.

Santa Margarita Groundwater Sustainability Plan Development, Santa Cruz, California. Ms. Neill is the project manager for the Santa Margarita Groundwater Sustainability Plan (GSP) development, Balance's primary role in this project includes providing expertise related to the surface water and groundwater interactions throughout development of the GSP, identifying and evaluating the groundwater dependent ecosystems (GDEs), development of the monitoring plan, and preparing and evaluating climate change scenarios.

San Lorenzo Valley Water District Habitat Conservation Plan, Santa Cruz County, California. Ms. Neill is the project manager providing reporting and analysis for this program that monitors suitable flow and temperature regimes as it relates to salmonid habitat in the upper portion of San Lorenzo River watershed. These efforts have allowed SLVWD to negotiate habitat requirements with state agencies as well as maintain water production at a sustainable level.

City of Santa Cruz Hydrologic Services, Santa Cruz County, California. Ms. Neill supports this long-term study for Santa Cruz County through monitoring at a variety of creeks throughout the County. This long-term effort is one of the largest watershed-scale erosion- and sediment-control programs on the west coast. The program includes direct measurements of bed permeability, embeddedness, net accumulation and downcutting.

Montara Water and Sanitary District Stream Gaging and Well Monitoring, San Mateo County, California. Ms. Neill supports stream gaging and well monitoring for the unincorporated coastal San Mateo County communities of Montara and Moss Beach. The District relies on local groundwater for potable supply and operates a total of eleven production wells and one spring-fed diversion dispersed along the flanks of Montara Mountain. These projects aim is supplementing existing water supplies with a conjunctive use program based on recharging diversions from local creek basins.

Hydrologic Data Acquisition and Management, Alameda County Public Works Agency, California. Ms. Neill provides field support for an urban streamflow monitoring network within the Alameda County Flood Control and Water Conservation District. Balance is maintaining, operating, and monitoring 29 stream and 21 rain gages for the District throughout the County , and the work includes developing and maintaining rating curves for each of the monitoring sites and QA/QC of the monitoring records.

Stanford University, San Mateo County, California. Ms. Neill is currently providing field support and data analysis for several on-going projects for Stanford University, including streamflow and sediment monitoring at several locations, and hydraulic modeling of short sections of channel.

Balance Hydrologics

SCOTT R. BROWN, P.G.
Geomorphologist/Hydrologist
Education
M.S. Geology, University of Wisconsin-Madison, 2001
B.S. Geology, Gustavus Adolphus College, 1998

State Registrations
Registered Professional Geologist: California #8722

Summary of Experience

Mr. Brown applies his experience in geomorphology and geologic mapping to watershed and environmental issues involving stream corridors, floodplains, and surface/ground water interaction. He has recently led several major projects assessing the effects of urbanization on streamflow and channel stability. Other projects have included hydrogeologic interpretation of groundwater sources and flowpaths, geomorphic basis-of-design for stream and wetland restoration; assessment of physical stream characteristics affecting habitat, and baseline hydrologic assessment and monitoring. Mr. Brown is the technical and quality assurance lead for Balance's real-time monitoring and early-warning systems. He specializes in integrating monitoring data with real-time applications for flood-warning systems, water-rights compliance, and water-diversion operations.

Santa Cruz Mid-County Basin Monitoring Network Enhancement, Santa Cruz Mid-County Groundwater Agency, Santa Cruz County. Mr. Brown was the principal-in-charge for the enhancement of the Mid-County Basin monitoring network in support of the Mid-County Basin Groundwater Sustainability Plan. The goal of the monitoring network is to fill data gaps related to the depletion of interconnected surface water. The scope of this effort included working with landowners on access, leading the permitting effort, developing the monitoring plan, designing and installing six stream gages, and designing and providing oversight to the installation of six shallow monitoring wells.

Streamgage Maintenance Rancho San Carlos, Monterey County, California. Mr. Brown coordinates the stream gaging projects and mitigation monitoring for the dry season effects on the steelhead habitat in six streams that drain this 20,000-acre ranch south of Carmel Valley. Analysis also included groundwater source identification of several seep-supported sections of the streams that provide important rearing habitat through the dry-season.

Long-Term Monitoring and Assessment Plan (LTMAP) Water Quality Monitoring Program, San Francisquito and Los Trancos Creeks, San Mateo and Santa Clara Counties, California. Mr. Brown has managed several gages as part of this ongoing streamflow gaging and water quality sampling project, which is part of the LTMAP to assess current (i.e., baseline) conditions, analyze trends, and evaluate watershed management. Field efforts include sample collection during storm events using automated samplers.

Coastside County Water District Stream Gaging and Hydrologic Analysis, San Mateo County, California. Mr. Brown led an effort to assess long-term water availability in two small coastal streams. The analysis involved development of a correlation model to relate short-term streamflow records at the project site (collected by Balance) to several different regional streams with long-term records in order to bracket likely baseflow conditions during wet and dry periods for the purpose of diversion scheme optimization.

Eastern Alameda County Monitoring Station Installation, Zone 7 Water Agency, Alameda County, California. Mr. Brown served as manager for a project to coordinate, plan, and install three monitoring stations for Zone 7 Water Agency in Eastern Alameda County. Permanent stream and rainfall gaging stations were installed, including heavy-duty enclosure boxes housing cellular enabled dataloggers and associated equipment. Streamflow monitoring stations included both bubbler depth sensors and pressure transducers, along with tipping bucket rain gages, staff plates, stilling wells, and solar panels.

Hydrologic Data Acquisition and Management in Eastern Alameda County, Zone 7 Water Agency, Livermore, Alameda County, California. Mr. Brown is the principal-in-charge and project manager supporting Zone 7 Water Agency with the expansion of their stream monitoring program on several creeks within the upper Alameda Creek watershed in the Livermore Valley of Alameda County. Balance has installed four new stream/rainfall monitoring stations and one rainfall-only station and is currently managing maintenance and data acquisition at six of the stations in the Agency's monitoring network.

Hydrologic Data Acquisition and Management, Alameda County Public Works Agency, California. Mr. Brown serves as Project Manager for an urban streamflow monitoring network within Western Alameda County for the Flood Control and Water Conservation District. Balance is maintaining, operating, and monitoring 26 stream and 23 rain gages for the District in the Oakland, Hayward, Fremont, and San Leandro areas.

San Francisquito Creek Early Flood Warning System, Santa Clara/San Mateo Counties, California. Mr. Brown served as Project Manager to establish two new ALERT rainfall stations in the upper portion of the watershed and a radio receiver at Palo Alto City Hall that collects data from these and other nearby existing ALERT stations for transfer to an on-line database. The database provides near-real-time viewing of the data streams, and alarms to alert staff of potential flood conditions.

San Mateo County Flood Warning System Development and Maintenance, San Mateo County, California. Mr. Brown is currently managing an effort to improve and expand San Mateo County's hydrologic monitoring network, though the County's Flood Preparedness Program. In addition to taking over maintenance of existing stations and coordinating installation of six new streamflow/rainfall monitoring stations, Balance is managing and configuring an on-line database that will be used to compile hydrologic data in near-real-time and for issuing flood warnings for public information and maintenance activities.

Balance Hydrologics

John Hardy
Hydrologist

Education

M.S., Forestry Sciences, California Polytechnic State University, 2017

B.S. Environmental Management and Protection, California Polytechnic State University, 2013

Summary of Experience

Mr. Hardy specializes in coastal and fluvial hydrology. He collects and analyzes streamflow and hydrologic data. He is experienced in data acquisition and has led technical aspects of multiple geomorphic, water quality, and biologic monitoring projects. He has a background in riverine ecology and has provided field assistance in salmonid life-cycle monitoring and anadromous fisheries management studies. For his master's thesis, he assessed the significance of physical habitat characteristics in describing macroinvertebrate assemblage structure in a small coastal stream to better understand the potential for riparian management to enhance lotic ecosystem function. Mr. Hardy is experienced in advanced surveying and remote-sensing using multiple GIS platforms and is skilled in creating high quality custom graphics.

Santa Cruz Mid-County Basin Monitoring Network Enhancement, Santa Cruz Mid-County Groundwater Agency, Santa Cruz County, California. Mr. Hardy provides field support and data analysis assistance for the enhancement of the Mid-County Basin monitoring network in support of the Mid-County Basin Groundwater Sustainability Plan. The goal of the monitoring network is to fill data gaps related to the depletion of interconnected surface water. Mr. Hardy assisted in the effort to select sites for paired wells and stream gages, as well as designed and installed six stream gages for which he provides hydrologic data analysis and interpretation.

Santa Margarita Basin Streamflow Monitoring and Accretion Assessment, Santa Margarita Groundwater Agency, Santa Cruz County, California. Mr. Hardy provides field support for the on-going streamflow monitoring in support of the Santa Margarita Groundwater Sustainability Plan (GSP). Balance operated streamflow gages throughout the basin to aid in understanding the groundwater surface water interactions both before and during the GSP development.

San Lorenzo Valley Water District Habitat Conservation Plan, Santa Cruz County, California. This project provides reporting and analysis for a program that monitors suitable flow and temperature regimes as it relates to salmonid habitat in the upper portion of San Lorenzo River watershed. These efforts have allowed SLVWD to negotiate habitat requirements with state agencies as well as maintain water production at a sustainable level. Mr. Hardy assists with hydrologic data acquisition and analysis.

San Francisquito Creek Watershed Gaging Stations, California. Mr. Hardy provides field support for flow- and sediment-gaging stations in the San Francisquito Creek watershed. Combining data from individual stations on Los Trancos Creek, Corte Madera Creek, Bear Creek, Searsville Lake, San Francisquito Creek, and other tributaries allows for a comprehensive understanding of how streamflow and sediment from different arms of the watershed coalesce to determine the downstream conditions.

Long-term Monitoring of Denniston and San Vicente Creeks and the Airport Aquifer, Streamflow and Sediment-Transport Measurement, Coastside County Water District, San Mateo County, California. This project seeks to evaluate streamflow and assess sediment transport in Denniston and San Vicente Creeks, as part of an overall water-supply and supply-reliability re-evaluation. Mr. Hardy serves as deputy project manager and supports the hydrologic data collection, analysis, and reporting.

Montara Water and Sanitary District Stream Gaging and Well Monitoring, San Mateo County, California. Mr. Hardy supports stream gaging and well monitoring for the unincorporated coastal San Mateo County communities of Montara and Moss Beach. The District relies on local groundwater for potable supply and operates a total of eleven production wells and one spring-fed diversion dispersed along the flanks of Montara Mountain. These projects aim is supplementing existing water supplies with a conjunctive use program based on recharging diversions from local creek basins.

Santa Margarita Groundwater Sustainability Plan Development, Santa Cruz, California. Mr. Hardy provides field support for the Santa Margarita Groundwater Sustainability Plan (GSP) development. Balance's primary role in this project includes providing expertise related to the surface water and groundwater interactions throughout development of the GSP, identifying and evaluating the groundwater dependent ecosystems (GDEs), development of the monitoring plan, and preparing and evaluating climate change scenarios.

On-Call High-Flow Discharge and Sediment Monitoring, Valley Water, Santa Clara, California. Mr. Hardy is the project manager for the on-call effort to collect suspended and bedload sediment samples and measure streamflow during high-flow at select Valley Water stream gages. Results from the sampling are used to aid Valley Water in understanding sediment transport during high-flow conditions in streams throughout the County, as well as calibrate site specific rating curves.

San Mateo County Flood Warning System Development and Maintenance, San Mateo County, California. Mr. Hardy is currently providing field support for an effort to improve and expand San Mateo County's hydrologic monitoring network, though the County's Flood Preparedness Program.

Balance Hydrologics

Jason Parke

Hydrologist/Geologist

Education

B.S. Earth Science, University of California, Santa Cruz 1995

Summary of Experience

Mr. Parke has had strong experience on projects related to surface/ground water hydrology, sediment transport, and water quality. He is currently assistant supervisor in work pertaining to quantification of sediment loads Santa Cruz mountains as well as various surface and ground water development projects throughout the central coast.

Santa Cruz Mid-County Basin Monitoring Network Enhancement, Santa Cruz Mid-County Groundwater Agency, Santa Cruz County, California. Mr. Parke the provides support for the enhancement of the Mid-County Basin monitoring network in support of the Mid-County Basin Groundwater Sustainability Plan. The goal of the monitoring network is to fill data gaps related to the depletion of interconnected surface water. Mr. Parke aided in the installation of the stream gaging network and provided geologic oversite for the installation of paired wells.

Santa Margarita Basin Streamflow Monitoring and Accretion Assessment, Santa Margarita Groundwater Agency, Santa Cruz County, California. Mr. Parke led the initial effort for Balance in 2017- 2019 to monitor water quality and flow accretion patterns in the San Lorenzo River and tributaries. This included a focused study on the Eagle Creek sub-watershed – a basin largely influenced by the Santa Margarita aquifer. Mr. Parke continues to provide on-going streamflow monitoring in support of the Santa Margarita Groundwater Sustainability Plan (GSP). Balance operates streamflow gages throughout the basin to aid in understanding the groundwater surface water interactions both before and during the GSP development.

Alameda County Hydrologic Data Acquisition and Management, Alameda County Public Works Agency, California. Mr. Parke provides field support for an urban streamflow monitoring network within Alameda County for the Flood Control and Water Conservation District. Balance is maintaining, operating, and monitoring stream and rain gages for the District in the Oakland, Hayward, Fremont, San Leandro areas. The work includes developing and maintaining multiple stream gage and rain gage stations.

San Mateo County Flood Warning System Development and Maintenance, San Mateo County, California. Mr. Parke is currently providing field support for an effort to improve and expand San Mateo County's hydrologic monitoring network, though the County's Flood Preparedness Program. In addition to taking over maintenance of existing stations and coordinating installation of six new streamflow/rainfall monitoring stations, Balance is managing and configuring an on-line database that will be used to compile hydrologic data in near-real-time and for issuing flood warnings for public information and maintenance activities.

Stream Gaging Program for the City of Santa Cruz Water Department, Santa Cruz County, California. Mr. Parke was a Key Investigator for many of the stream gaging networks developed for the City of Santa Cruz Water Department for approximately 10 years. Mr. Parke installed and maintained many of the gages in this network for Newell, Majors, Laguna and Liddell Creeks. Part of his role is to conduct manual measurements throughout the year, including during winter storm events, to facilitate calculation of maximum- and average-daily flows for an entire water year period (October 1st through September 30th of the following year).

Watershed Assessments, Santa Cruz County, California. Mr. Parke provided field support for this watershed assessment, in which Balance along with a group of interdisciplinary scientists to develop a suite of restoration projects aimed at improving habitat for Coho salmon and steelhead trout in Soquel Creek, Gazos Creek and Arana Gulch. Funding was provided by California Fish & Game and Coastal Conservancy.

Santa Cruz County Long-Term Sediment-Monitoring, California. Mr. Parke plays a leading role assisting the County of Santa Cruz in developing a long-term programmatic approach for the County's goals to reduce soil loss and the amount of fine sediment entering the local stream systems. This effort, which builds on years of work by the County, is one of the largest watershed-scale erosion and sediment control programs on the west coast.

San Lorenzo Valley Water District Habitat Conservation Plan, Santa Cruz County, California. Mr. Parke has been a leading member of a team that provided reporting and analysis for program that monitors suitable flow and temperature regimes as it relates to salmonid habitat in the upper portion of San Lorenzo River watershed. These efforts have allowed SLVWD to negotiate habitat requirements with state agencies as well as maintain water production at a sustainable level.

Table 1. Anticipated Staff Hours by Task

223018 SLVWD Streamflow Monitoring

Task Number and Description	Sr. Principal	Principal II	Senior Professional	Project Professional	Sr. Staff Professional	Staff Professional	Sr. Proj Admin	Sr. Report Specialist	Report Specialist	Labor Costs For Task	Mileage		Equipment Rental[1]	Materials[2]	Year 1 Total	Year 2 Total (3% escalation)	Year 3 Total (3% escalation)
Hourly Rate	*$252*	*$237*	*$201*	*$194*	*$184*	*$158*	*$135*	*$105*	*$95*		Miles	Mileage @$0.655/ mile					
Task 1a. Gage repairs after 2023 Atmospheric Events			2			22				$3,878.00	60	$39.30		$180.00	$4,097.30	-	-
Task 1b. Dry Season Monitoring on Foreman and Boulder Creeks for Flow and Temperature (June to Novemeber)		3	5			63				$11,670.00	210	$137.55	$2,250		$14,057.55	$14,479.28	$14,913.65
Task 2a. Fall Creek Gage Re-Location		4	2			28				$5,774.00	20	$13.10		$150.00	$5,937.10	-	-
Task 2b. Operational Gaging at Fall Creek		6	3			36				$7,713.00	216	$141.48	$720		$8,574.48	$8,831.71	$9,096.67
Task 3. Reporting and Data Transmittal		2	22						2	$5,086.00					$5,086.00	$5,238.58	$5,395.74
Task 4. Project Coordination, Administration, and Management			8				6			$2,418.00					$2,418.00	$2,490.54	$2,565.26
Subtotal Hours		15	42			149	6		2								
Total Hours	**214**																
Notes:								**TOTAL LABOR**		**$36,539.00**					**ANNUAL SUB-TOTAL**	$40,170.43	$31,040.11	$31,971.31
1. Equipment rental (4 pressure transducers at $350/year, 1 barometric pressure transducer at $350/year, current meter @ $300/year, Conductivity meter @$200/year)															**ANNUAL CONTINGENCY**	$5,000.00	$5,000.00	$5,000.00
Cellular access and data archiving fee																	
2. Materials (Staff plates, stilling wells, t-post, rebar, etc)															**ANNUAL GRAND TOTAL**	**$45,170.43**	**$36,040.11**	**$36,971.31**

DATE: 8/17/2023

TO: Board of Directors, San Lorenzo Valley Water District

FROM: Rick Rogers, District Manager

SUBJECT: Conjunctive Use Update & Modeling Technical Support Contract Award

WRITTEN BY: Carly Blanchard

PRESENTED BY: Carly Blanchard, Mike Podlech fisheries ecologist, and Chris Hammersmark cbec, inc. eco engineering

STAFF RECOMMENDATION

It is recommended that the Board of Directors review this memo, presentation, and direct the District Manager to enter a contract with cbec, inc. eco engineering in an amount not to exceed $101,627.00 for modeling and data analysis to support of the Conjunctive Use Environmental Impact Report.

RECOMMENDED MOTION

I move that: **The Board of Directors direct the District Manager to enter a contract with cbec, inc. eco engineering in an amount not to exceed $101,627.00 for modeling and data analysis to support of the Conjunctive Use Environmental Impact Report.**

BACKGROUND

The San Lorenzo River Watershed Conjunctive Use Plan (CUP) was developed jointly by the San Lorenzo Valley Water District (District) and the County of Santa Cruz (County) to identify opportunities for improving the

reliability of the District's surface and groundwater supplies through conjunctively managing water resources while increasing stream baseflows for fish in the San Lorenzo River watershed. The CUP was developed under a State of California grant administered by the County (grant completed in June 2021). As part of the grant's deliverables two studies: (1) the Water Availability Assessment (WAA) and (2) the Fisheries Resource Considerations, the CUP, and CEQA analysis were completed. The CEQA Initial Study – Mitigated Negative Declaration (IS-MND) was released for public review from July 28 through August 31, 2021. Significant concerns were raised during the public review period. Therefore, District staff and legal counsel recommend a more thorough CEQA analysis, through an Environmental Impact Report (EIR).

At the August 18, 2022, meeting the Board approved moving ahead with the IS-MND consultant Rincon Consultants, Inc. to complete the EIR. Since approval, staff has been internally working through an operational plan, responding to Rincon's requests for information, coordinating with the City of Santa Cruz, and working with regulatory agencies to begin permitting the associated water diversions.

In support of the EIR, water right place of use change, and associated water diversion permitting, the District entered into a contract with cbec, inc. eco engineering (cbec) under the District Managers purchasing authority of $30,000. The initial scope began the preliminary hydraulic and habitat modeling on Boulder Creek (confluence of Foreman and Peavine creeks), and streamflow data processing for operational planning, with the idea that a comprehensive scope and budget would be developed based on initial

modeling results. Since the modeling kick-off cbec has proposed the attached scope of work and budget summary (Exhibit A). A summary of the work completed thus far and the proposed work will be presented as a presentation by consultants Mike Podlech, fisheries biologist, and Chris Hammersmark, cbec Director.

PRIOR COMMITTEE ACTION

The Environmental & Engineering Committee
May 9, 2022: Committee recommends Rincon for EIR contract award.
June 21, 2022: Conjunctive Use update.

FISCAL IMPACT

$101,627.00

ENVIRONMENTAL IMPACT

Environmental Impact Report in development to determine the extent of potential impacts.

ATTACHMENTS AND RELEVANT LINKS TO THE DISTRICT WEBSITE

- Exhibit A: cbec SLVWD Conjunctive Use Planning Technical Support
- May 9th, 2022 Environmental & Engineering Committee Agenda
- June 21st, 2022 Environmental & Engineering Committee Agenda
- SLVWD Conjunctive Use website page

cbec eco engineering

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Date:	August 10, 2023
To:	Carly Blanchard; San Lorenzo Valley Water District
From:	Chris Hammersmark and Noelle Patterson; cbec, inc. eco engineering
Proposal:	23-1007 – SLVWD Conjunctive Use Planning Technical Support
Subject:	Scope of Work and Budget Estimate

Introduction

At the request of Carly Blanchard of the San Lorenzo Valley Water District (SLVWD), cbec, inc. eco engineering (cbec) has prepared a scope of work and estimated budget to provide technical support to advance various tasks related to SLVWD's Conjunctive Use Planning (CUP) effort. It is anticipated that cbec will work closely with Mike Podlech in this technical support effort. Four tasks are proposed and described below.

Scope of Work

Task 1 - Hydraulic/habitat modeling for Boulder Creek

Hydraulic and habitat conditions will be evaluated to determine how fish passage and habitat change with changes in flow. First a Study Plan for this task will be developed and submitted to the regulatory agencies. In order to evaluate salmonid passage and habitat conditions within a representative study reach, a two-dimensional (2D) hydraulic model of an approximately 350 ft reach of Boulder Creek downstream of the District's Peavine Creek and Foreman Creek diversions will be developed. The model will be used to simulate a range of flow conditions and determine how hydraulic conditions and habitat suitability vary with flow. cbec staff will conduct a topographic survey of the proposed reach to inform the model development. cbec will additionally perform flow and water surface elevation measurements for model calibration and validation. The 2D hydraulic model will be built using HEC-RAS 6.2.

The results of the study will be summarized in a Technical Memorandum that documents the data collection, hydraulic model development and application, as well as habitat suitability and passage analyses. The results will include an estimated flow range where salmonid passage is expected to be impacted as well as tabular and graphical representations of spawning and rearing habitat availability as a function of flow.

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T 916.231.6052 F 916.669.8886 c.hammersmark@cbecoeng.com
www.cbecoeng.com

Assumptions:

- *The final study reach was selected as a representative site of other habitat and passage conditions occurring elsewhere in Boulder Creek below the SLVWD diversion point.*

Deliverables:

- *Draft and Final Study Plan in work and PDF format.*
- *Draft and Final Technical Memorandum summarizing model development and analysis including an estimated flow range where salmonid passage and rearing habitat are likely to be affected.*

Task 2 - Streamflow data processing for operations modeling

The goal of this task is to prepare daily streamflow data for use in CUP efforts. The basis for this streamflow data is monitoring records collected across the SLVWD service area from 2014-2018. Streamflow will be processed by filling in missing data gaps and adding back in diversion losses. This effort will produce continuous, natural-condition daily streamflow data for a range of water years to be used in conjunctive use planning by SLVWD.

Additionally, processed daily streamflow will be scaled to represent potential changes in hydrologic patterns associated with climate change. cbec will collaborate with staff and consultants representing the City of Santa Cruz so that the work is informed by the City's previous climate change analyses and will incorporate anticipated shifts in wet and dry hydrologic conditions.

Assumptions:

- *Streamflow monitoring data collected by Balance Hydrologics between 2014-2018 will be made available.*
- *cbec will work with City of Santa Cruz staff and consultants to ensure that the climate change approach builds upon previous efforts.*

Deliverables:

- *Continuous naturalized daily streamflow data for 2014-2018 for current conditions as well as adjusted for existing climate change conditions for nine locations in the SLVWD service area provided in both DSS and Excel format.*

Task 3 - Project management and meetings

This task includes time for project management, update meetings with SLVWD, and coordination with project partners (e.g., CDFW, City of Santa Cruz). Budget has also been allocated for internal project management, and routine internal and external communications to facilitate project implementation.

Task 4 - Contingency fund (optional)

cbec understands the importance of working with the City of Santa Cruz to ensure that our analytical approach and assumptions for water use and management meet their expectations for freshwater habitat conservation. We therefore propose a contingency fund amounting to $10,000 in the case that the work proposed above needs to be revised to fully comply with City of Santa Cruz expectations. This amount is separate from the tasks listed above and will not be used unless approved by SLVWD.

Proposed Budget

cbec proposes to perform these services on a time and materials basis. All activities will be discussed with SLVWD and approved prior to the initiation of work. The estimated cost to perform the proposed scope of work is $91,674, as shown in the attached budget. The optional contingency of $10,000 brings the potential cost of work to $101,674, only to be reached if the contingency fund described above is called upon.

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ESTIMATED PROJECT BUDGET SUMMARY

SLVWD Conjunctive Use Planning Technical Support
cbec Project # 23-1007

Task #	Task Description		Subtotal
1	Hydraulic/habitat modeling for Boulder Creek	$	27,126.00
2	Streamflow data processing for operations modeling	$	46,731.00
3	Project management and meetings	$	14,682.00
4	Contingency fund (optional)	$	10,000.00
	Labor Fee	**$**	**98,539.00**
	Reimbursables	**$**	**3,135.00**
	Subconsultant(s)	**$**	**-**
	Total Project Budget	**$**	**101,674.00**

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ESTIMATED LABOR FEES

SLVWD Conjunctive Use Planning Technical Support
cbec Project # 23-1007

Unless expressly provided within the contract, rates are subject to increase annually on January 1 of each year.

Task #	Senior Scientific Advisor	President / Managing Director	Director	Senior Ecoengineer III Senior Ecohydrologist III	Senior Ecoengineer II Senior Ecohydrologist II	Senior Ecoengineer I Senior Ecohydrologist I	Ecoengineer II Ecohydrologist II	EcoEngineer I EcoHydrologist I	Technician II	Technician I	Clerical / Admin. / Graphic Design	Subtotal Labor Hours Per Task		Subtotal Labor Fee Per Task
	$368	$311	$288	$259	$225	$201	$185	$161	$145	$110	$105			
1			10				4	146				160		$ 27,126.00
2			37				195					232		$ 46,731.00
3			24				42					66		$ 14,682.00
4														$ 10,000.00
	0	**0**	**71**	**0**	**0**	**0**	**241**	**146**	**0**	**0**	**0**	**458**		**$ 98,539.00**

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ESTIMATED REIMBURSABLE EXPENSES

SLVWD Conjunctive Use Planning Technical Support
cbec Project # 23-1007

Item Description	Quantity		Unit Cost			Item Cost
Mileage		miles	0.58	/mile	$	-
Parking		trip		/trip	$	-
Lodging		day(s)		/day	$	-
Per Diem		day(s)		/day	$	-
Airfare		day(s)		/day	$	-
Field Truck (100 miles free daily)	4	day(s)	125.00	/day	$	500.00
ATV (Fuel at Cost)		day(s)	200.00	/day	$	-
Inflatable Kayak		day(s)	50.00	/day	$	-
16-ft Jet Boat w/ 40 HP Outboard (Fuel at Cost)		day(s)	250.00	/day	$	-
21-ft Jet Boat w/ 310 HP Inboard (Fuel at Cost)		day(s)	350.00	/day	$	-
Wading Acoustic Doppler Velocimeter	4	day(s)	100.00	/day	$	400.00
Robotic Total Station	4	day(s)	225.00	/day	$	900.00
Survey Grade RTK GPS (Receiver + Network Subscription)	3	day(s)	350.00	/day	$	1,050.00
Water Level Pressure Transducer		month(s)	250.00	/month	$	-
Temperature		month(s)	225.00	/month	$	-
Software Lease		month(s)		/month	$	-
					$	-
Copying / Production					$	-
Courier / Delivery					$	-
Archiving / Documentation					$	-
				Subtotal Reimbursables	**$**	**2,850.00**
				Administrative Charge (10%)	**$**	**285.00**
				Total Reimbursables	**$**	**3,135.00**

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FIELD EQUIPMENT RATES

SLVWD Conjunctive Use Planning Technical Support
cbec Project # 23-1007

	daily	weekly	monthly
Current And Discharge Equipment			
Wading Acoustic Doppler Velocimeter	$ 100	$ 400	$ 1,000
Acoustic Doppler Current Profiler w/ Trimaran	$ 450	$ 2,250	$ 6,750
ADCP Tethered Package (ADCP, RTK, Flying Fox, Laptop)	$ 650	$ 3,250	$ 9,750
ADCP Boat Package (ACDP, RTK, Laptop, Boat)	$ 825	$ 4,125	$ 12,375
Data Loggers			
Water Level Pressure Transducer	$ 25	$ 125	$ 250
Water Level / Temperature / Conductivity	$ 25	$ 125	$ 250
Water Level Meter	$ 30	$ 70	$ 180
Barometric Pressure	$ 25	$ 125	$ 250
Rainfall	$ 10	$ 50	$ 150
Temperature	$ 15	$ 75	$ 225
Sonde Conductivity / Turbidity / Temperature / Depth	$ 130	$ 650	$ 1,950
Handheld Turbidity / Depth	$ 100	$ 500	
Handheld Conductivity / Temperature / Dissolved Oxygen Probe / pH / Barometer	$ 90	$ 450	
Survey Equipment			
Feno Spike (short)	$ 80		
Feno Spike (long)	$ 150		
Field Tablet or Laptop	$ 25	$ 125	
Mapping Grade GPS Receiver	$ 100	$ 500	
Survey Grade RTK GPS (Receiver + Network Subscription)	$ 350	$ 1,750	
Survey Grade RTK GPS (Receiver + Base Setup)	$ 400	$ 2,000	
Manual Total Station	$ 100	$ 500	
Robotic Total Station	$ 225	$ 1,125	
Single Beam Echosounder	$ 150	$ 750	
HyDrone RC Boat	$ 250	$ 1,250	
Unmanned Aerial System (UAS) - Quad Copter Drone	$ 150	$ 750	
Unmanned Aerial System (UAS) - Fixed Wing Drone	$ 300	$ 1,500	
Single Beam Boat Package (Echo, RTK, Laptop, Boat)	$ 600	$ 3,000	
Single Beam RC Package (Echo, RTK, Laptop, Hydrone)	$ 600	$ 3,000	
Single Beam Kayak Package (Echo, RTK, Laptop, Kayak)	$ 450	$ 2,250	
ATV Survey Package (RTK, ATV)	$ 425	$ 2,125	
Sedimentation Equipment			
Bedload Sampler	$ 175	$ 875	
Bed Material Sampler	$ 175	$ 875	
Suspended Sediment Sampler (less than 6 fps)	$ 75	$ 375	
Suspended Sediment Sampler (less than 12 fps)	$ 200	$ 1,000	
Bridge Crane	$ 60	$ 300	
Auger (Brass Cores $5/each)	$ 20	$ 100	
Transportation			
ATV - Ranger (Fuel at Cost)	$ 200	$ 1,000	
16-ft Jet Boat w/ 40 HP Outboard (Fuel at Cost)	$ 250	$ 1,250	
21-ft Jet Boat w/ 310 HP Inboard (Fuel at Cost)	$ 350	$ 1,750	
Inflatable Dinghy w/ 9.9 HP Outboard	$ 100	$ 500	
Inflatable Kayak	$ 50	$ 250	
Field Truck (IRS mileage rates apply; first 100 miles free for daily / weekly use)	$ 125	$ 625	$ 1,875

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Environmentally sustainable solutions for the water resources industry

MEMO

DATE: August 18, 2023
TO: Board of Directors, San Lorenzo Valley Water District
FROM: Rick Rogers, District Manager
SUBJECT: Basic Waiver Policy for Customers Affected by CZU Fire

WRITTEN BY: Kendra Reed
PRESENTED BY: Kendra Reed

STAFF RECOMMENDATION

Read the memo and grant a two-year extension to the CZU Fire Victims on the District's Basic Waiver Program.

RECOMMENDED MOTION

I move that the Board approve Resolution No. 2 (23-24) granting a two-year extension of the District's Basic Waiver Program to the customers affected by the CZU Fires.

BACKGROUND

In August of 2020, the District and its customers were severely impacted by the CZU Lightning Complex Wildfires. 113 District customers lost their homes and were placed into the District's Basic Waiver Program.

The program allows for a waiver from the monthly basic charge for a period of up to 3 years from the date of the natural disaster. For these customers, the start date of the basic waiver was 08/18/2020 and the end date is

08/18/2023.

Due to the difficult and lengthy process of rebuilding within Santa Cruz County, District staff are recommending granting an extension of two years to those customers affected by the CZU Disaster.

PRIOR COMMITTEE ACTION

This item was discussed at the July 11, 2023 Budget & Finance Committee. It was first recommended to grant an extension only to CZU customers that were in the rebuilding process, as there are a lot of properties that are up for sale or will not be rebuilt. The discussion concluded that if the District is granting an extension to CZU customers, that it should be all or none.

FISCAL IMPACT

($70,290.72) – Lost Revenue for two-year extension
As of 08/10/2023, the District has 64 customers that are still receiving the Basic Waiver. This amounts to $2,928.78 per month that the District would be billing had the basic waiver expired, for an annualized total of $35,145.36. This amount is at the District's current rates.

ENVIRONMENTAL IMPACT

None

ATTACHMENTS AND RELEVANT LINKS TO DISTRICT WEBSITE

- Basic Waiver Exemption Form
- Link to the 7/11/23 Budget & Finance Meeting

San Lorenzo Valley Water District

13060 Hwy 9, Boulder Creek, CA 95006
Phone (831) 338-2153; Fax (831) 338-7986

BASIC WAIVER EXEMPTION FORM

Per the Rules and Regulations of the San Lorenzo Valley Water District

1. A property owner may file a statement with the District stating that their structure cannot be occupied due to damage resulting from storm events or other natural disasters. Said statement shall be filed within 120 days of the cause of occurrence.
2. Upon making findings and determinations that the customer's structure cannot be occupied as a result of a natural disaster, the District Manager may determine that the customer is exempt from the basic monthly charge. Exemption will be allowed for a period of up to 3 years from the date of determination or until the customer requests continuance of service, whichever occurs first.
3. No customer shall at any time, in any manner, obtain water from the service connection while exempt from the liability of the basic monthly charge. The District may lock or remove the meter to protect the District against fraud or abuse. Should the customer not repair or replace the damaged structure or request continuance of service within the time allowed, the basic monthly charge will begin to be billed.

Account # _____

Name: _____Telephone Number: _____

Service address: _____

Date Begin: _____ Date End: _____

Signature _____ Date: _____

Please provide a brief explanation of events:

_____

_____

_____

_____

_____

_____

Continue on back if necessary

SAN LORENZO VALLEY WATER DISTRICT
RESOLUTION NO. 2 (23-24)

SUBJECT: BASIC WAIVER PROGRAM EXTENSION FOR CZU CUSTOMERS

WHEREAS, the San Lorenzo Valley Water District ("District") has a Basic Waiver Program, which allows customers to file a statement with the District stating that their structure cannot be occupied due to damage resulting from storm events or other natural disasters; and

WHEREAS, upon findings that the customer's structure cannot be occupied as a result of the natural disaster, the District Manager may determine that the customer is exempt from the basic monthly charge for a period of up to three years from the date of determination or until the customer requests continuance of service, whichever occurs first; and

WHEREAS, all customers affected by the CZU Lightening Complex Fires in August of 2020 were placed into the District's Basic Waiver Program with an expiration date of August 18, 2023 and the County rebuild process has been difficult and lengthy and many of the CZU customers are still trying to move through the permitting process.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the San Lorenzo Valley Water District approves and grants a two-year extension of the Basic Waiver Program to all customers affected by the CZU Fires.

BE IT FURTHER RESOLVED that District staff is hereby authorized to extend the expiration of the Basic Waiver Program to expire on August 18, 2025, or until the customer requests continuance of service, whichever occurs first.

****

PASSED AND ADOPTED by the Board of Directors of the San Lorenzo Valley Water District, County of Santa Cruz, State of California, on the 17th day of August 2023, by the following vote of the members thereof:

AYES:
NOES:
ABSTAIN:
ABSENT:

_____
Holly B. Hossack,
District Secretary

MEMO

DATE: August 17, 2013

TO: Board of Directors, San Lorenzo Valley Water District

FROM: Rick Rogers, District Manager

SUBJECT: 2021 CIP Project – Blue Ridge Tank –Change Order Request

WRITTEN BY: Rick Rogers, District Manager

PRESENTED BY: Rick Rogers, District Manager

STAFF RECOMMENDATION

Authorize the District Manager to approve the attached Change Order request for the 2021 CIP Project – Blue Ridge Tank Replacement Project - mixing valve.

RECOMMENDED MOTION

I move that:

The Board directs the District Manager to amend the existing contract with JMB Construction Inc. in an amount not to exceed $41,700.00 for the purchase and installation of a Tideflex Potable Water Mixing Valve for the Blue Ridge Tank Replacement.

BACKGROUND

On August 18, 2022, the Board awarded the 2021 CIP Pipeline Project to JMB Construction for $5,023,379.57. The project replaces approximately 8,500 lineal-feet of water pipeline spread across four locations within the District that is no longer effective due to age or is

undersized. The project also replaces the aging Blue Ridge 40,000-gallon redwood tank with a new 160,000-gallon steel tank fitted with level monitoring instrumentation that will tie into the districts existing SCADA system. The Blue Ridge Tank Replacement Project specifications were included in the construction Contract however at the time of the award the State Water Board was still reviewing the tank design. As a result of the State Water Board review a mixing valve was required. The State had a concern that with the increase in storage from 40,000 to 120,000 gallons there could be water mixing issues during low flow (winter) and cause dead zones in the tank affecting water quality. The mixing provides for full mixing of the water when the pump runs and when water exits the tank

PRIOR COMMITTEE ACTION

None

FISCAL IMPACT

Change Order Value $41,700.00

ENVIRONMENTAL IMPACT

None

ATTACHMENTS

- Original Construction Award
- Change Order

MEMO

To: Board of Directors

From: District Engineer

Subject: Recommendation to Award Construction of 2021 CIP Pipeline Project

Date August 18, 2022

Executive Summary:

Bids were received on August 2, 2022 for construction of the 2021 CIP Pipeline Project. District Staff recommend that the Board of Directors review this memo and by a motion of the Board ***direct the District Manager to enter into a contract with JMB Construction, Inc. for construction activities related to the 2021 CIP Pipeline Project in conformance with the JMB Construction, Inc. bid in the amount of $5,023,379.57.***

Project Summary:

The RFP prepared and published by District Staff and Sandis Civil Engineers presented plans, specifications, and bidding requirements for the 2021 CIP Pipeline Project. The project proposes to replace approximately 8,500 lineal-feet of water pipeline spread across four locations within the District that is no longer effective due to age or is undersized. The proposed main will be 8-inch ductile iron pipe. The pipeline will be installed along both privately owned R.O.W and publicly maintained R.O.W (maintained by county of Santa Cruz) in addition to a small portion of pipeline requiring installation within Cal-trans R.O.W (State Highway 9).

The project also proposes to replace an aging 40,000-gallon redwood tank with a new 160,000-gallon tank fitted with level monitoring instrumentation that will tie- in to the districts existing SCADA system.

Bids Received:

The District received five (5) bids for the Construction of this project, tabulated below in ascending cost order:

Construction Firm	**Total Cost**
JMB Construction, Inc.	$5,023,379.57
Granite Rock Company, Inc.	$5,179,322.78
Monterey Peninsula Engineering, Inc.	$5,532,934.00
McGuire and Hester, Inc.	$6,248,416.35
Anderson Pacific Engineering Construction, Inc.	$6,306,410.00

As shown above, the low bid is from JMB Construction, Inc, in the amount of $5,023,379.57.

Analysis Procedure:

The three (3) lowest bids were reviewed by District Staff for completeness and conformance with the RFP. All three were found to be complete and in conformance with the RFP. Each bid was scored in the following areas:

- Total cost
- Responsiveness of bidder to requirements of the RFP
- Demonstrated understanding of the project scope as reflected in each bid
- Bidder's experience and references

In addition, staff called the provided references for the low bidder to learn more about the company, with whom the District has not previously contracted. Discussion was held with the San Francisco PUC, East Bay MUD, the City of Brisbane DPW, and the city of San Bruno DPW. Responses were all strongly positive.

Recommendation:

District Staff recommend award of the project to JMB Construction, Inc.

JMB CONSTRUCTION, INC
132 S Maple Ave, S San Francisco, CA 94080
(650)267-5300 Fax :(650)267-5301
CA Licence #: 715324

August 1st, 2023

JMB LTR #: 938.100.20.40.20.10

To: San Lorenzo Valley Water District,
136060 CA-9,
Boulder Creek, CA 95006.

Attention: Cameron Slach

Project/Contract: 2021 – CIP Pipeline Project

Subject: **COP # 04 – Tideflex Potable Water Mixing System Rev 1**

SCOPE LETTER & BID PROPOSAL

JMB Construction is pleased to offer the following proposal for the above referenced project. This proposal is based upon the revised drawing C1.07 (ASI #4), attached in Appendix A, received on July 26th, 2023.

PLEASE SEE THE FOLLOWING PRICING & BREAKDOWN

SCOPE OF WORK:

1. Furnish 1 No. Red Valve/Tideflex Mixing System per the scope outlined in Frank & Olsen's Quote #20453, attached in Appendix B.
2. Install 1 No. Red Valve/Tideflex Mixing System including additional piping materials per Ferguson Waterwork's Quote #B491171 Dated: 08/01/2023, attached in Appendix C.

SLVWD – 2021 – CIP Pipeline Project – Concrete Ring Foundation

Item	Description	Unit	Quantity	Unit Price	Extension
1	Tideflex Potable Water Mixing System	LS	1	$ 41,700.00	$ 41,700.00
				Total Cost	**$ 41,700.00**

Requested Project Extension (Installation Activity) – 1.0 Day(s) (Not including Engineering/Submittals/Fabrication period.

This proposal shall remain valid for 30 calendar days, and work will not proceed until a mutually acceptable agreement is executed/agreed. Please do not hesitate to contact me directly should you have any questions regarding this proposal.

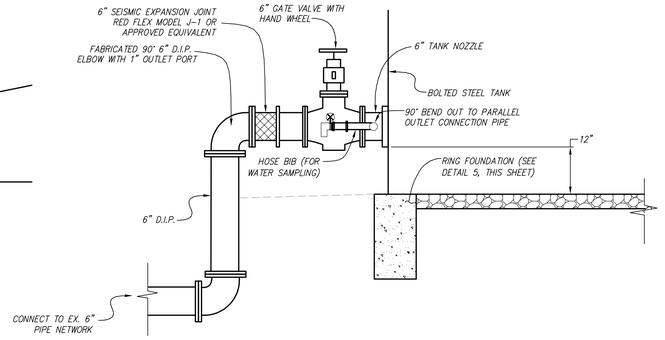
Sincerely,

Adrian Power

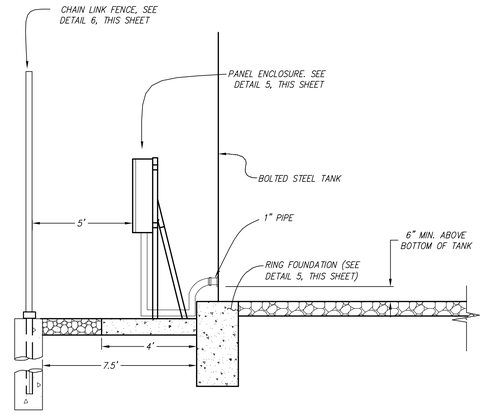
JMB Construction, Inc.

Project Manager

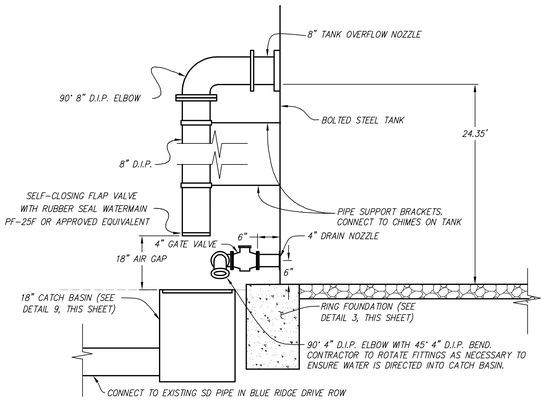
APPENDIX A



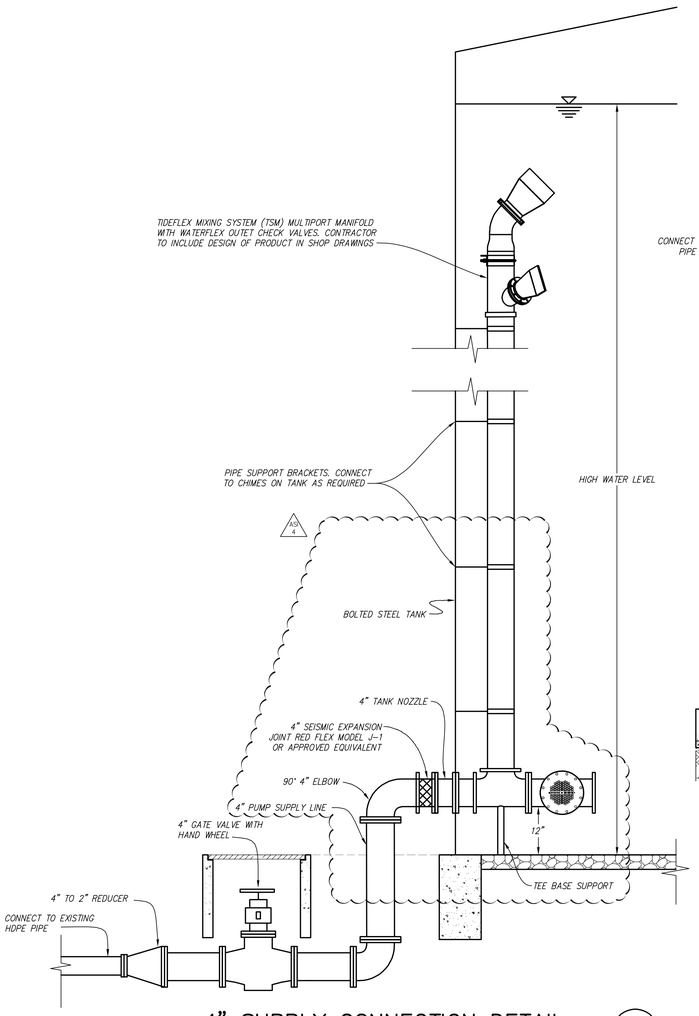
6" OUTLET CONNECTION DETAIL 1
N.T.S.



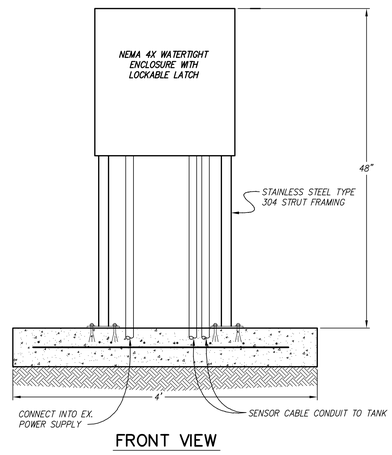
1" LEVEL TRANSDUCER PRESSURE SENSOR LINE 4
N.T.S.



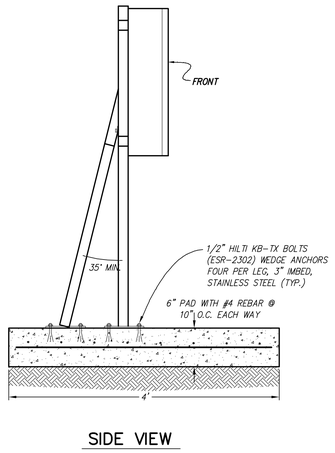
8" OVERFLOW DETAIL 7
N.T.S.



4" SUPPLY CONNECTION DETAIL 2
N.T.S.



FRONT VIEW



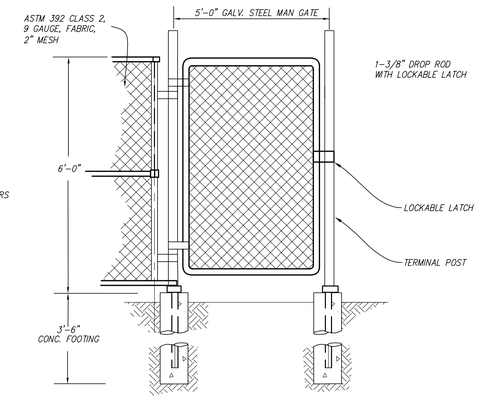
SIDE VIEW

NOTES:

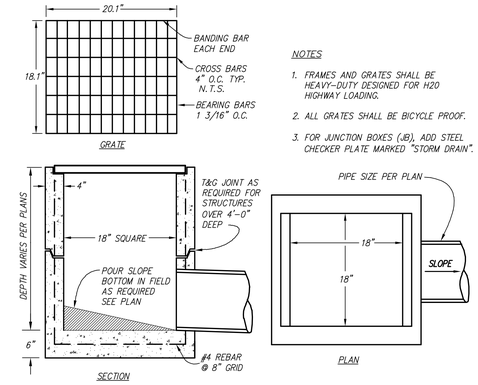
A. FRAMING AND HARDWARE TO BE STAINLESS STEEL.

B. ALL COMPONENTS OF CONTROL PANEL SHALL MEET CLASS ONE, DIVISION ONE NEC REQUIREMENTS. CONDUITS SHALL BE INSTALLED PER NEC CLASS ONE, DIVISION ONE REQUIREMENTS REQUIREMENTS.

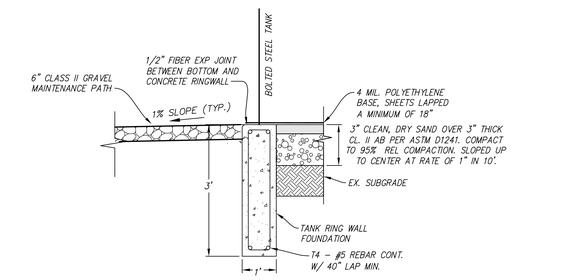
TRANSDUCER CONTROL PANEL MOUNTING DETAIL 5
N.T.S.



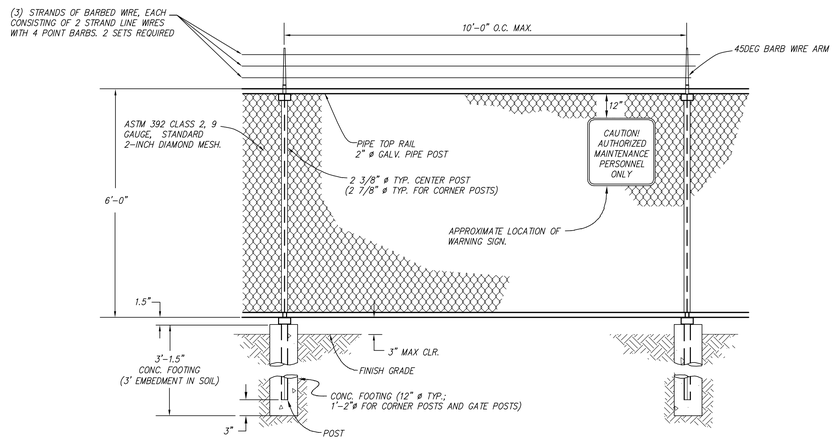
CHAIN LINK SWING SINGLE GATE 8
N.T.S.



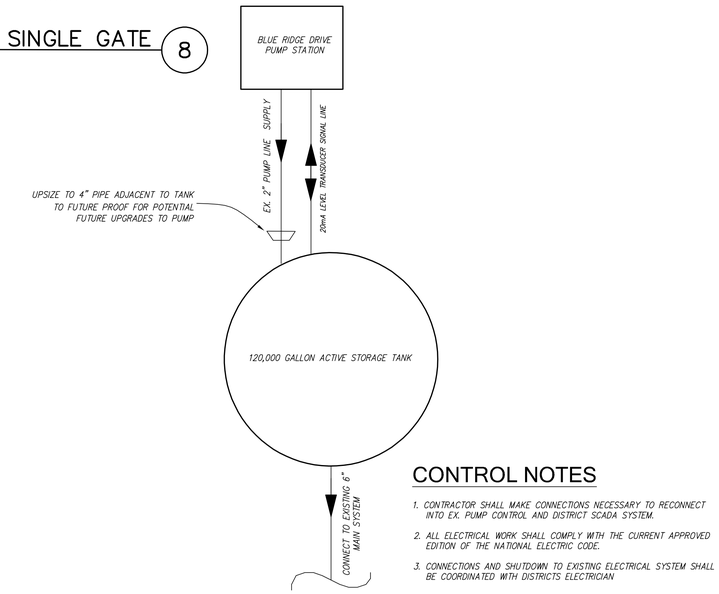
18" CATCH BASIN DETAIL 9
N.T.S.



TYPICAL SECTION AT TANK RINGWALL FOUNDATION 3
N.T.S.



TYP. CHAIN LINK FENCE DETAIL 6
N.T.S.



CONTROL NOTES

1. CONTRACTOR SHALL MAKE CONNECTIONS NECESSARY TO RECONNECT INTO EX. PUMP CONTROL AND DISTRICT SCADA SYSTEM.
2. ALL ELECTRICAL WORK SHALL COMPLY WITH THE CURRENT APPROVED EDITION OF THE NATIONAL ELECTRIC CODE.
3. CONNECTIONS AND SHUTDOWN TO EXISTING ELECTRICAL SYSTEM SHALL BE COORDINATED WITH DISTRICTS ELECTRICIAN

TANK UTILITY LINE DIAGRAM 10
N.T.S.

SANDIS BUILD ON. SANDIS.NET

San Lorenzo Valley WATER DISTRICT

DATE: 3/30/2022
SCALE: 1"=10'
PROJECT No.: 221572

No.	REVISION	DATE	BY
A	ASI #1	03/22/23	CRS
B	ASI #2	05/25/23	CRS
C	ASI #3	07/12/23	CRS
D	ASI #4	07/26/23	CRS

SAN LORENZO VALLEY WATER DISTRICT
2021 CIP PIPELINE PROJECT
BOULDER CREEK CALIFORNIA

BLUE RIDGE TANK DETAILS

SHEET C1.07

File: X:\P\221572\4_ENGINEERING\2_PLAN SETS\3_SHEET SET\ONSITE\C1.07.dwg Date: Jul 26, 2023 - 1:07 PM

APPENDIX B

Frank Olsen COMPANY

286 Rickenbacker Circle
Livermore, CA 94551
925-961-8888 tel.
925-961-8890 fax
www.frankaolsen.com

To: JMB Construction Inc
Att: Est.
Phone: 650-267-5300
Email:

Date: 06/29/2023
Quote No: 20453

ANY PURCHASE ORDER ISSUED AS A RESULT OF THIS QUOTATION IS SUBJECT TO ALL OF THE MANUFACTURER'S CONDITIONS AND FINAL ACCEPTANCE BY MANUFACTURER. SPARE PARTS NOT INCLUDED UNLESS NOTED BELOW. WE ASSUME THE PROJECT IS NOT AIS UNLESS NOTED BELOW. SPECIAL ORDERED ITEMS WHICH INCLUDE SPECIAL CONSTRUCTION, COATINGS, ACCESSORIES AND/OR FEATURES ARE NON-CANCELABLE AFTER THE PRODUCTS IS FORMALLY RELEASED FOR FABRICATION WITH FAO OR MANUFACTURER

Item	Qty	Description	Unit Price	Extended
1	1	Red Valve / Tideflex Mixing System for Blue Ridge 0.16MG Reservoir - San Lorenzo Valley W.D. **See Attached Scope**	$ 30,900.00	$ 30,900.00

Please Note Changes to Scope Based on the RFI
1. Fusion Bonded Epoxy Paint
2. 316 Stainless Steel Hardware

Lead Time: See Special Conditions in the Scope Document.

a) 3 Weeks for Submittals.

b) Equipment will be released to production 3 weeks AFTER approved submittals

c) 12-14 Weeks from Release to Production

Total: $ 30,900.00

Shipping Terms : Pre-Pay & Add
QTE Validity : 30 Days
Payment : Net 30 Days
Shipping Type : Common Carrier

Sincerely,
James Giles
james.giles@frankaolsen.com

Frank A. Olsen Company

QUOTATION TERMS & CONDITIONS

1. Unless otherwise stated in writing, the Terms and Conditions of the Frank A. Olsen Company and the Manufacturers Listed Terms and Conditions herein will apply to all portions of this quotation.
2. All items listed in this quotation are based on our interpretation of the material requirements in accordance with the project plans and specifications. No warranty is made regarding quantities or types of materials.
3. The Frank A. Olsen Company reserves the right to modify this quotation if any changes are made to the plans and/or specifications. In addition, where materials listed on this quotation differ from the specification we reserve the right to re-quote in accordance with the plans and specifications.
4. Shipping dates are approximate and are based on quantities and materials available at the time of this quote.
5. All materials not specifically listed in this quotation are to be construed as being supplied by others.
6. Operator / Actuator / Gear orientation shall be the responsibility of the owner, contractor or client to whom this quotation is addressed. Unless specified by the owner, contractor or client the operator will be mounted in the manufacturer's standard position.
7. Unless otherwise stated, start-up is not included in the prices contained in this quotation. When start-up is specifically mentioned herein, services will be limited to the equipment specified and additional services will be charged in accordance with the Frank A. Olsen Company "Field Service Rate Sheet" unless separately negotiated. A copy of the rate sheet may accompany this quotation or will be provided, upon customer request, before additional work proceeds.
8. Every attempt will be made to provide coatings in accordance with the specification. Where the type of coating is not mentioned herein, the coating will be per the manufacturer's standard.
9. Additional clarifications, terms and conditions may be included throughout this quotation.
10. Any attachments are to be considered as part of this quotation.
11. Unless specifically stated, sales tax, handling and/or other manufacturer's fees are not included, payment terms are 100% Net 30 Days, and Valid 120 days from the above date.
12. This quotation does not included any flange bolts, nuts, washers, gaskets, valve boxes, floor stands, extension stems, ground level position indicators, chain wheel and chain, or other accessories unless noted on the description of the quotation.
13. Pricing does not included any spare parts unless listed on the quotation.
14. All Shipments from Frank A. Olsen Company are subject to standard handling fees. Interest on all overdue accounts will be charged 18% per annum, calculated monthly (1.5% per month).
15. All shipments from Frank A. Olsen Comapny are due and payable per terms. If purchaser falls into default for non-payment, then in addition to other remedies, purchaser agrees to reimburse seller all costs of collection including reasonable attorney fees.
16. **All Credit Card purchases are subject to a 3% non refundable service charge**
17. This quotation reflects our policy of sourcing raw materials in the most cost effective manner. Any requirements for specific "U.S. content" shall require a revised quotation.

☑ If this box is checked, this quotation was made without benefit of complete plans and written specifications. The Frank A. Olsen Company takes no responsibility for the completeness or accuracy of the items quoted. See the body of the quotation for limitations.

APPENDIX C

FERGUSON WATERWORKS #3306
66 TARP CIRCLE
SALINAS, CA 93901-3717

Phone: 831-424-3330
Fax: 831-424-3381

Deliver To:
From: **David Altamirano Jr.**
Comments:

Agenda: 8.17.23
Item: 10e

15:37:38 AUG 01 2023

FERGUSON WATERWORKS #1423
Price Quotation
Phone: 831-424-3330
Fax: 831-424-3381

Bid No: B491171
Bid Date: 07/10/23
Quoted By: DA

Cust Phone: 650-267-5300
Terms: NET 10TH PROX

Customer: JMB CONSTRUCTION INC
132 SOUTH MAPLE AVE
SLVWD - 2021 CIP PIPELINE
SOUTH SAN FRANCISCO, CA 940

Ship To: JMB CONSTRUCTION INC
132 SOUTH MAPLE AVE
SLVWD - 2021 CIP PIPELINE
SOUTH SAN FRANCISCO, CA 940

Cust PO#:

Job Name: SLVWD - 2021 CIP PIPELINE

Item	Description	Quantity	Net Price	UM	Total
~~FFPELP18~~	~~4X18'0 FLGXFLG EPOX DI SPL~~	~~1~~	~~4000.000~~	~~EA~~	~~4000.00~~
MJELFALAP	4 MJXFE C153 ADPT EPOX	2	130.000	EA	260.00
FNWNBSS41P	4 304 SS 150# FLG NUT/BLT SET	2	30.000	EA	60.00
UFTF04S	4 FLG TYTE 1/8 150# FF GSKT SBR	2	14.000	EA	28.00
SSLDEP4	4 DI MJ WDG REST GLND PK *ONELOK	2	48.000	EA	96.00
FELTP	4 FLG EPOX LINED TEE	1	392.729	EA	392.73

Net Total: $4836.73
Tax: $519.09
Freight: $700.00
Total: $6055.82

Item Code	Description	Notice
FNWNBSS41P	4 304 SS 150# FLG NUT/BLT SET	⚠WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Quoted prices are based upon receipt of the total quantity for immediate shipment (48 hours). SHIPMENTS BEYOND 48 HOURS SHALL BE AT THE PRICE IN EFFECT AT TIME OF SHIPMENT UNLESS NOTED OTHERWISE. QUOTES FOR PRODUCTS SHIPPED FOR RESALE ARE NOT FIRM UNLESS NOTED OTHERWISE.

CONTRACTOR CUSTOMERS: IF YOU HAVE DBE/MBE/WBE//VBE/SDVBE/SBE GOOD FAITH EFFORTS DIVERSITY GOALS/ REQUIREMENTS ON A FEDERAL, STATE, LOCAL GOVERNMENT, PRIVATE SECTOR PROJECT, PLEASE CONTACT YOUR BRANCH SALES REPRESENATIVE IMMEDIATELY PRIOR TO RECEIVING A QUOTE/ORDER.

Seller not responsible for delays, lack of product or increase of pricing due to causes beyond our control, and/or based upon Local, State and Federal laws governing type of products that can be sold or put into commerce. This Quote is offered contingent upon the Buyer's acceptance of Seller's terms and conditions, which are incorporated by reference and found either following this document, or on the web at https://www.ferguson.com/content/website-info/terms-of-sale
Govt Buyers: All items are open market unless noted otherwise.

LEAD LAW WARNING: It is illegal to install products that are not "lead free" in accordance with US Federal or other applicable law in potable water systems anticipated for human consumption. Products with *NP in the description are NOT lead free and can only be installed in non-potable applications. Buyer is solely responsible for product selection.
WATER FLOW RATE NOTICE: Lavatory Faucets with flow rates over 0.5 GPM are not allowed for 'public use' in California.

HOW ARE WE DOING? WE WANT YOUR FEEDBACK!
Scan the QR code or use the link below to complete a survey about your bids:
https://survey.medallia.com/?bidsorder&fc=3300&on=454930

MEMO

DATE: August 18, 2023
TO: Board of Directors, San Lorenzo Valley Water District
FROM: Rick Rogers, District Manager
SUBJECT: Capital Reserve Policy

WRITTEN BY: Kendra Reed
PRESENTED BY: Kendra Reed

STAFF RECOMMENDATION

Read the memo, discuss, and direct staff on the next steps regarding a Capital Asset Management Plan.

RECOMMENDED MOTION

None

BACKGROUND

Back in 2020, there was a discussion of developing a Capital Asset Management Plan (CAMP) that staff can use to help develop a comprehensive long-term financial plan. The CAMP will give insight into financial capacity for the best way to plan and achieve long-term objectives.

The Master Plan completed in October 2021, provided a Capital Improvement Program which evaluated the District's water system and recommended capacity improvements necessary to service the needs of

existing users and for servicing the future growth of the District. The Master Plan summarized pipeline, valve, booster station, and reservoir improvements for a total water system improvement cost of $75 million. While the Master Plan outlines the above improvements, the District has assets outside of the master plan that have required annual maintenance that the District needs to incorporate into the overall capital replacement cost.

Internally in 2021, staff began working on the CAMP, but due to staffing/workload constraints, the project was put on hold. Developing a CAMP internally is an enormous lift as each asset should be reviewed individually and updated accordingly to have a uniform data system. The District has around 500 active assets.

Staff understands the importance of developing a comprehensive CAMP, not only to help with budgeting but also to give a better idea of the District's short and long-term financial obligations. Staff are looking for input from the Board on the next steps for developing a CAMP.

PRIOR COMMITTEE ACTION

This item was discussed at the 07/07/20, 12/01/20, & 02/17/21 Budget & Finance Committee.

FISCAL IMPACT

None

ENVIRONMENTAL IMPACT

None

ATTACHMENTS AND RELEVANT LINKS TO THE DISTRICT WEBSITE

- June 18, 2020, Board of Directors Meeting
- July 7, 2020, Budget & Finance Committee Meeting
- December 1, 2020, Budget & Finance Committee Meeting
- February 17, 2021 Budget & Finance Committee Meeting
- April 21, 2022, Board of Directors Meeting

DATE: 8/17/2023
TO: Board of Directors, San Lorenzo Valley Water District
FROM: Rick Rogers, District Manager
SUBJECT: Drought Status

WRITTEN BY: Carly Blanchard
PRESENTED BY: Carly Blanchard

STAFF RECOMMENDATION

It is recommended that the Board of Directors review this memo and lower from a stage 2 water shortage to a stage 1 water shortage based on an anticipated water shortage of ten (10) percent or less for water year 2023.

RECOMMENDED MOTION

I move that: **The Board of Directors lower from a stage 2 water shortage to a stage 1 water shortage based on an anticipated water shortage of ten (10) percent or less for water year 2023.**

BACKGROUND

The San Lorenzo Valley area has received approximately 71 inches of rain this water year (since Oct. 1, 2022), about 144% of the District's historical rainfall average (49 inches) according to its rain gage located in Boulder Creek. While the District continues to encourage customers to use water efficiently and implement voluntary water conservation, staff are recommending the Stage 2 water shortage designation be lowered to a Stage 1 water shortage designation. Stages and their restrictions are included as exhibit A. According to ordinance 106 (exhibit B): Restating and

Amending Regulations Responding to Water Shortage Emergency, the District Manager is empowered to issue a Water Shortage notification and to enforce water shortage restrictions upon finding the magnitude of an anticipated water shortage.

District customers are averaging approximately 58 Gallons per Capita per Day (GPCD) of usage. Since 1995, per capita water usage varied from a high of 104 GPCD in 2006 to a low of 70 GPCD in 2015. Overall, per capita consumption has decreased, which is most likely due to the past drought, state mandated water use reduction targets, more efficient appliances and plumbing, and conservation efforts made by SLVWD and its customers. A summary table of consumption from 2017-2022 is attached as exhibit C.

District staff & the Environmental & Engineering Committee are recommending the Board of Directors drop the current stage 2 water shortage declaration to a stage 1 water shortage declaration.

PRIOR COMMITTEE ACTION

The Environmental & Engineering Committee reviewed this information on August 4th, 2023 and recommended the Board of Directors declare a stage 1 water shortage.

FISCAL IMPACT

None

ENVIRONMENTAL IMPACT

None

ATTACHMENTS AND RELEVANT LINKS TO DISTRICT WEBSITE

- Exhibit A: Water Shortage Stages (with exceptions)
- Exhibit B: Ordinance 106
- Exhibit C: Consumption 2017-2022
- Annual Rainfall Totals - Boulder Creek
- August 4th, 2023 Environmental & Engineering Committee Agenda
- SLVWD Drought website page

San Lorenzo Valley Water District
Water Shortage Stages (with exceptions)

Stage 1
Anticipated shortage: <10 %
Restrictions:

- Lawn, landscape or other vegetated area can only be watered before 10 a.m. and after 6 p.m.*
  - ***Except*** when performed with a bucket or watering can, or by use of a drip irrigation system or similar low volume, nonspray irrigation equipment, or for very short periods of time for the express purpose of allowing landscape contractors to adjust or repair an irrigation system
- Shutoff nozzles are required on hoses.
- It's prohibited to wash down hard or paved services, or fill residential swimming pools
  - **Except** when it is necessary to alleviate safety or sanitation hazards or to prepare paved surfaces for sealing
- Restaurants can only serve water upon request.
- Hotels and motels must offer option to forego daily linen laundering.

Stage 2
Anticipated shortage: 10-20%
All Stage 1 restrictions remain in place, plus:

- District will authorize 2 "watering days" per week for lawns, landscape and other vegetated areas.
  - **Except** when performed with a bucket or watering can, or by use of a drip irrigation system or similar low volume, non-spray irrigation equipment, or for very short periods of time for the express purpose of allowing landscape contractors to adjust or repair an irrigation system. Hourly restrictions set forth in subsection 1 of Stage 1 water shortage restrictions set out in Section 6 above continue to apply on authorized watering days. This provision shall not apply to commercial growers/nurseries or to residential vegetable gardens/edible plantings watered with a hose equipped with a shutoff nozzle.
- Watering is limited to 15 minutes per station per assigned day.
  - **Except** this provision shall not apply to automatic irrigation systems exclusively using low output sprinkler equipment, including rotors, stream rotors, or micro- spray systems
- It's prohibited to wash building exteriors.
  - **Exception** of window washing and preparation of property for painting or for sale

Stage 3
Anticipated shortage: 20-30%
All Stage 1 & 2 restrictions remain in place, plus the District may establish water rationing.

Stage 4
Anticipated shortage: >30%
All Stage 1, 2 & 3 restrictions remain in place, plus:

- It's prohibited to water lawns or turf, wash vehicles, or install new landscaping that requires any watering.*
- Rights to hydrants and bulk water may be rescinded.
    - **Except** by regularly constituted fire protection agencies for fire suppression purposes

Section 10. Additional Exceptions. The District Manager, upon application made in writing by a customer on a form promulgated by the District and accompanied by supporting documentation, shall be authorized to issue an exception from the strict application of any restriction, regulation or prohibition enforced pursuant to this Ordinance, upon the customer's production of substantial evidence demonstrating the existence of one or more of the following circumstances that are particular to that customer and which are not generally shared by other District customers:

1. Failure to approve the requested exception would cause a condition having an adverse effect on the health, sanitation, fire protection, or safety of the customer or members of the public served by the customer;
2. Strict application of the subject restriction, regulation or prohibition would impose a severe or undue hardship on a particular business customer or render it infeasible for a particular business customer or class of business customers to remain in operation;
3. Alternative restrictions to which the customer is willing to adhere are available that would achieve the same level of demand reduction as the restriction for which an exception is being sought and such alternative restrictions are enforceable by the District;
4. Circumstances concerning the customer's property or business have changed since the implementation of the subject restriction warranting a change in the customer's water usage allocation;
5. A health care facility customer using industry best management practices is eligible for an exception upon demonstrating that the subject restriction, regulation or prohibition is interfering with or preventing it from providing health care service to its customers in accordance with industry hygiene, sanitation and health care standards; or
6. A business customer has already implemented environmental sustainability measures that have reduced water consumption to the maximum extent feasible. As used in this subsection the term "environmental sustainability measures" refers to installation of high efficiency plumbing fixtures, devices, equipment, and appliances, recycled

water systems, and landscaping consisting exclusively of lowwater-using plant materials using drip or similar high efficiency, nonspray irrigation systems, or to buildings that are designed, built, and continuously operated according to Leadership in Energy and Environmental Design (LEED) certification standards.

Read the full Water Shortage Emergency Ordinance 106 here on our website.

SAN LORENZO VALLEY WATER DISTRICT ORDINANCE NO. 106 RESTATING AND AMENDING REGULATIONS RESPONDING TO WATER SHORTAGE EMERGENCY

SUBJECT: WATER SHORTAGE EMERGENCY

WHEREAS, On April 3, 2014. The Board of Directors of the San Lorenzo Valley Water District adopted Ordinance No. 105, to establish regulations and requirements responding to the Water Shortage Emergency declared by the Board.

WHEREAS, Article 10, Section 2 of the California Constitution declares that waters of the State are to be put to beneficial use, that waste, unreasonable use, or unreasonable method of use of water be prevented, and that water be conserved for public welfare; and

WHEREAS, on January 17, 2014 Governor Brown declared a State of Emergency to exist in California due to prolonged drought conditions; and

WHEREAS, conservation of current water supplies and minimization of the effects of water supply shortages that are the result of drought are essential to the public health, safety and welfare; and

WHEREAS, San Lorenzo Valley Water District system draws exclusively on local sources of supply, whose yield varies from year to year depending on the amount of rainfall received; and

WHEREAS, the District's water system is susceptible to water shortages in dry years or in periods of prolonged regional drought when water conditions characterized by low surface flows in stream sources and low levels in local aquifers', reduce the available supply to a level that cannot support seasonal water demand; and

WHEREAS, California Water Code Sections 350 et seq. authorize water suppliers, after holding a properly noticed public hearing, and after making certain findings, to declare a water shortage (emergency) and to adopt such regulations and restrictions to conserve the water supply for the greatest public benefit with particular regard for domestic use, sanitation, and fire protection; and

WHEREAS, the water conservation measures and progressive restrictions on water use and method of use set forth herein provide an effective and immediately available means to conserve water which is essential during periods of water shortage to ensure a reliable and sustainable minimum supply of water for public health, safety, and welfare; to preserve valuable limited water storage capacity; to

avoid depleting water storage to an unacceptably low level; and to lessen the possibility of experiencing more critical shortages if dry conditions continue or worsen; and

WHEREAS, the usage regulations and restrictions hereinafter established will equitably spread the burden of restricted and prohibited usage over all San Lorenzo Valley Water District customers and other consumers; and

WHEREAS, the purposes of this Ordinance are to conserve the water supply of the San Lorenzo Valley Water District's for the greatest public benefit, to mitigate the effects of a water supply shortage on public health and safety and economic activity, and to budget water use so that a reliable and sustainable minimum supply of water will be available for the most essential purposes for the entire duration of the water shortage; and

WHEREAS the Board of Directors of the San Lorenzo Valley Water District desires to further amend and restate the requirements and regulations pertaining to the continued drought.

The Board of Directors of the San Lorenzo Valley Water Districts hereby ordains as follows:

Section 1. Declaration of Necessity and Intent: This Ordinance establishes water management requirements necessary to conserve water, enable effective water supply planning, assure reasonable and beneficial use of water, prevent unreasonable use of water, prevent unreasonable method of use of water within the San Lorenzo Valley Water District in order to assure adequate supplies of water to meet the needs of the public, and further the public health, safety, and welfare.

Section 2. Declaration of Water Shortage: The provisions of this Ordinance shall take effect whenever the District Manager, upon analysis of the District's water supplies, finds and determines that a water shortage exists or is imminent within District's service area and a declaration of a water shortage is made by a resolution of the Board of Directors, and they shall remain in effect for the duration of the water shortage set forth in the resolution.

Section 3. Application of Regulations: The provisions of this Ordinance shall apply to any person in the use of any water provided by the San Lorenzo Valley Water District.

Section 4. Precedence of Regulations. Where other provisions of the San Lorenzo Valley Water District, whether enacted prior or subsequent to this Ordinance, are inconsistent with the provisions of this Ordinance, the provisions of this Ordinance shall supersede and control for the duration of the water shortage set forth in the resolution of the Board of Directors.

Section 5. Water Waste Prohibitions. It shall be unlawful during any water shortage stage for any person, firm, partnership, association, corporation, political entity or

any other water customer to use water for any of the following:

(a) Fire Hydrants. Use of water from any fire hydrant, unless specifically authorized by the District, except by regularly constituted fire protection agencies for fire suppression purposes.

(b) Watering/Irrigation. The watering of grass, lawn, groundcover, shrubbery, open ground, crops and trees, including agricultural irrigation, in a manner or to an extent that causes or allows excessive water flow or runoff onto an adjoining sidewalk, driveway, street, gutter or ditch.

(c) Plumbing Leaks. The escape of water through leaks, breaks, or other malfunctions within the water user's plumbing or distribution system for any period of time after such break or leak should have reasonably been discovered and corrected. It shall be presumed that a period of twenty-four hours after the water user discovers such break, leak or malfunction, or receives notice from the District of such condition, whichever occurs first, is a reasonable time within which to correct such condition or to make arrangements for correction.

(d) Washing of Exterior Surfaces. The washing of sidewalks, walkways, driveways, parking lots, patios, or other exterior surfaces unless the hose is equipped with an automatic shutoff nozzle.

(e) Cleaning of Structures and Vehicles. The cleaning of building exteriors, mobile homes, cars, boats, and recreational vehicles unless the hose is equipped with an automatic shutoff nozzle.

(f) Fountains and Decorative Water Features. The operation of a water fountain or other decorative water feature that does not use re-circulated water.

(g) Construction. The use of potable water for dust control or soil compaction purposes in construction activities where there is a reasonably available source of reclaimed water appropriate for such use.

(h) The indiscriminate running of water or washing with water, not otherwise prohibited in this section which is wasteful and without reasonable purpose.

Section 6. Stage 1 Water Shortage. The District Manager is empowered to issue a Stage 1 Water Shortage notification and to enforce the water shortage restrictions in this section upon finding that the magnitude of an anticipated water shortage will be ten (10) percent or less, and a minimal consumer demand reduction is necessary to make more efficient use of water and appropriately respond to existing water supply conditions. In a Stage 1 Water Shortage, the District will enforce the following water shortage restrictions. During a Phase 1 Water Shortage it shall be unlawful for any person, firm, partnership, association, corporation, political entity or any other water District customer:

1. To water or irrigate lawn, landscape, or other vegetated areas between the hours of 10:00 a.m. and 5:00 p.m., except when performed with a bucket or watering can, or by use of a drip irrigation system or similar low volume, nonspray irrigation equipment, or for very short periods of time for the express purpose of allowing landscape contractors to adjust or repair an irrigation system;
2. To use a hose that is not equipped with a shutoff nozzle;

3. To use potable water to wash down hard or paved surfaces, including but not limited to sidewalks, walkways, driveways, parking lots, tennis courts, patios, or other paved surfaces, except when it is necessary to alleviate safety or sanitation hazards or to prepare paved surfaces for sealing;
4. To initially fill or to drain and refill residential swimming pools;
5. To serve water in a restaurant or other commercial food service establishment except upon the request of a patron; and/or
6. To operate a hotel, motel or other commercial lodging establishment without offering patrons the option to forego the daily laundering of towels, sheets and linens.

Section 7. Stage 2 Water Shortage. The District Manager is empowered to issue a Stage 2 Water Shortage notification and to enforce the water shortage restrictions in this section upon finding that the magnitude of an anticipated water shortage will be between ten (10) percent and twenty (20) percent, and a moderate consumer demand reduction is necessary to make more efficient use of water and appropriately respond to existing water supply conditions. In a Stage 2 Water Shortage, the District will enforce the following water shortage restrictions. During a Stage 2 Water Shortage it shall be unlawful for any person, firm, partnership, association, corporation, political body or other District customer to engage in any of the Stage 1 restrictions 1 through 6, except as authorized by those restrictions and, in addition:

7. To water or irrigate lawn, landscape, or other vegetated areas on days of the week other than the days of the week authorized and noticed by the District Manager, except when performed with a bucket or watering can, or by use of a drip irrigation system or similar low volume, non-spray irrigation equipment, or for very short periods of time for the express purpose of allowing landscape contractors to adjust or repair an irrigation system. Hourly restrictions set forth in subsection 1 of Stage 1 water shortage restrictions set out in Section 6 above continue to apply on authorized watering days. This provision shall not apply to commercial growers/nurseries or to residential vegetable gardens/edible plantings watered with a hose equipped with a shutoff nozzle.
8. To water or irrigate lawn, landscape, or other vegetated area using an automatic irrigation system for more than fifteen minutes per watering station per assigned day. This provision shall not apply to automatic irrigation systems exclusively using low output sprinkler equipment, including rotors, stream rotors, or micro- spray systems; and/or
9. To wash the exterior of dwellings, buildings or structures (with the exception of window washing and preparation of property for painting or for sale);

Section 8. Stage 3 Water Shortage. The District Manager is empowered to issue a Stage 3 Water Shortage notification and to enforce the water shortage restrictions in this section upon finding that the magnitude of an anticipated water shortage will be between twenty (20) percent and thirty (30) percent, and a significant consumer

demand reduction is necessary to make more efficient use of water and appropriately respond to existing water supply conditions. In a Stage 3 Water Shortage, the District will enforce the following water shortage restrictions. During Stage 3 Water Shortage it shall be unlawful for any person, firm, partnership, association, corporation, political body or other District customer to engage in any of the Stage 1 or 2 restrictions except as authorized by those restrictions set out in Section 6, subsections 1 through 6 and set out in Section 7, subsections 7 through 9 and, in addition:

10. To violate residential customer water rationing regulations, including regulations intended to preclude excessive water usage and specifying maximum water usage limitations, issued by the District Manager.

Section 9. Stage 4 Water Shortage. The District Manager is empowered to issue a Stage 4 Water Shortage notification and to enforce the water shortage restrictions in this section upon finding that the magnitude of an anticipated water shortage will be greater than thirty (30) percent and an extraordinary consumer demand reduction is necessary to make more efficient use of water and appropriately respond to existing water supply conditions. In a Stage 4 water shortage, the District will enforce the following water shortage restrictions. During Stage 4 Water Shortage it shall be unlawful for any person, firm, partnership, association, corporation, political body or other District customer to engage in any of the Stage 1, 2 or 3 restrictions except as authorized by those restrictions set out in Section 6, subsections 1 through 6, Section 7, subsections 7 through 9, and Section 8, subsection 10 and, in addition:

11. To violate commercial customer water rationing regulations, including regulations intended to preclude excessive water usage and specifying maximum water usage limitations, issued by the District;
12. To water lawns or turf, unless such watering is authorized by the District Manager in accordance with a landscape irrigation water;
13. To install new landscaping which requires any irrigation or watering;
14. To wash or clean vehicles, including but not limited to automobiles, trucks, vans, buses, motorcycles, boats, or trailers, including the washing of fleet vehicles; and/or
15. To exercise any rights conferred by hydrant and bulk water permits that were issued prior to the severe water shortage emergency declaration absent special permission granted by the District Manager. Said special permission may be granted only for projects necessary to protect the public health, safety and welfare where no alternative to potable water exists and for emergency response purposes.

Section 10. Exceptions. The District Manager, upon application made in writing by a customer on a form promulgated by the District and accompanied by supporting documentation, shall be authorized to issue an exception from the strict application of any restriction, regulation or prohibition enforced pursuant to this Ordinance, upon the customer's production of substantial evidence demonstrating the existence of one or more of the following circumstances that are particular to that customer and which

are not generally shared by other District customers:

1. Failure to approve the requested exception would cause a condition having an adverse effect on the health, sanitation, fire protection, or safety of the customer or members of the public served by the customer;

2. Strict application of the subject restriction, regulation or prohibition would impose a severe or undue hardship on a particular business customer or render it infeasible for a particular business customer or class of business customers to remain in operation;

3. Alternative restrictions to which the customer is willing to adhere are available that would achieve the same level of demand reduction as the restriction for which an exception is being sought and such alternative restrictions are enforceable by the District;

4. Circumstances concerning the customer's property or business have changed since the implementation of the subject restriction warranting a change in the customer's water usage allocation;

5. A health care facility customer using industry best management practices is eligible for an exception upon demonstrating that the subject restriction, regulation or prohibition is interfering with or preventing it from providing health care service to its customers in accordance with industry hygiene, sanitation and health care standards; or

6. A business customer has already implemented environmental sustainability measures that have reduced water consumption to the maximum extent feasible. As used in this subsection the term "environmental sustainability measures" refers to installation of high efficiency plumbing fixtures, devices, equipment, and appliances, recycled water systems, and landscaping consisting exclusively of low-water-using plant materials using drip or similar high efficiency, nonspray irrigation systems, or to buildings that are designed, built, and continuously operated according to Leadership in Energy and Environmental Design (LEED) certification standards.

Section 11. Water Shortage Appeal Board.

(a) A Water Shortage Appeal Board is hereby established and shall be eligible to convene upon the District Manager's issuance of any water shortage notification declaration the implementation of water shortage restrictions pursuant to this Ordinance. Thereafter, the Water Shortage Appeal Board will remain available to convene for as long as the water shortage remains in effect.

(b) The Water Shortage Appeal Board shall be comprised of the full Board of Directors.

(c) Any customer who considers an action taken by the District Manager or an

enforcement official under the provisions of this Ordinance, including actions on exception applications and the assessment of administrative penalties, to have been erroneously taken or issued may appeal that action or penalty to the Water Shortage Appeal Board in the following manner:

1. The appeal shall be made in writing, shall state the nature of the appeal specifying the action or penalty that is being appealed and the basis upon which the action or penalty is alleged to be in error. Penalty appeals shall include a copy of the notice of violation;
2. An appeal, to be effective, must be received by the District Manager not later than ten (10) business days following the date of the notice of violation or the date that the District Manager took the action which is the subject of the appeal;
3. A water service user who is not the account customer may appeal an excess water use penalty within ten business days following the penalty;
4. The District Manager shall schedule the appeal for consideration by the Water Shortage Appeal Board at a Regular or Special Board meeting. The Water Shortage Appeal Board shall hear the appeal within ninety (90) days of the date of the appeal and issue its decision within thirty (30) days following the close of the hearing;
5. The decision of the Water Shortage Appeal Board shall be final. In ruling on appeals, the Water Shortage Appeal Board shall strictly apply the provisions of this Ordinance, and shall not impose or grant terms and conditions not otherwise authorized by this Ordinance.

Section 12. Administrative Enforcement.

(a) Any person, firm, partnership, association, corporation, political entity or other water customer violating any provision of this Ordinance may be assessed an administrative penalty.

(b) Each and every day a violation of this Ordinance constitutes a separate and distinct offense for which an administrative penalty may be assessed.

(c) Penalties. The purpose of the administrative penalties assessed pursuant to this section is to assure future compliance by the cited customer through the imposition of increasingly significant penalties so as to create a meaningful disincentive to commit future violations. In acknowledgment of the fact that the District's water is a scarce and irreplaceable commodity and that this Ordinance is intended to equitably distribute that commodity among District customers and to assure that, to the extent feasible, District water is conserved and used only for purposes deemed necessary for public health and safety, the penalty schedule herein prescribed is not to be construed as creating a "water pricing" structure pursuant to which customers may elect to pay for additional water at significantly higher rates. To this end, a customer's repeated violation of this Ordinance shall result in either the installation of a flow restriction device or disconnection of the customer's property from the District's water service system at the customer's cost.

(d) Administrative penalties for failure to comply with water waste prohibitions requirements in Section 5, and mandatory water use restrictions and regulations

commencing with a Stage 1 Water Shortage in Section 6 are as follows:

1. First Offense. Written notice of violation and opportunity to correct violation.

2. Second Offense. A second violation within the preceding twelve calendar months is punishable by a fine not to exceed one hundred dollars.

3. Third Offense. A third violation within the preceding twelve calendar months is punishable by a fine not to exceed two hundred fifty dollars.

4. Fourth Offense. A fourth violation within the preceding twelve calendar months is punishable by a fine not to exceed five hundred dollars. In addition to any fines, the District Manager may order a water flow restrictor device be installed.

5. Discontinuing Service. In addition to any fines and the installation of a water flow restrictor, the District Manager may disconnect a customer's water service for willful violations of mandatory restrictions and regulations in this Ordinance. Upon disconnection of water service, a written notice shall be served upon the customer which shall state the time, place, and general description of the prohibited or restricted activity and the method by which reconnection can be made.

(e) Excessive Water Use Penalties. An excessive use penalty shall be assessed where the customer, during any given billing cycle, uses more than the customer's water allotment per the District's water rationing regulations issued pursuant to this Ordinance commencing with Stage 3 in Section 8. Excess use penalties shall be in addition to ordinary water consumption charges, as follows:

1. One percent to ten percent over customer rationing allotment: twenty-five dollars/CCF.

2. More than ten percent over customer rationing allotment: fifty dollars/CCF.

3. In addition to any excess use penalties, the District Manager may order a water flow restrictor device be installed and/or may disconnect a customer's water service for willful violations of the water rationing regulations in this Ordinance. Upon disconnection of water service, a written notice shall be served upon the customer which shall state the time, place, and general description of the prohibited or restricted activity and the method by which reconnection can be made.

(f) Cost of Flow Restrictor and Disconnecting Service. A person or entity that violates this Ordinance is responsible for payment of charges for installing and/or removing any flow- restricting device and for disconnecting and/or reconnecting. The charge for installing and/or removing any flow restricting device must be paid

before the device is removed. Nonpayment will be subject to the same remedies as nonpayment of basic water rates.

(g) Notice and Hearing. The District Manager will issue a notice of violation by mail or personal delivery at least ten business days before taking any enforcement action described in subsection (d). Such notice must describe the violation and the date by which corrective action must be taken. A customer may appeal the notice of violation by filing a written notice of appeal with the District no later than the close of the business day before the date scheduled for enforcement action, accompanied by a twenty-five dollar ($25.00) appeal fee. Any notice of violation not timely appealed will be final. Upon receipt of a timely appeal, a hearing on the appeal will be scheduled, and the District will mail written notice of the hearing date to the customer at least ten days before the date of the hearing. Pending receipt of a written appeal or pending a hearing pursuant to an appeal, the District Manager may take appropriate steps to prevent the unauthorized use of water as appropriate to the nature and extent of the violation and the current declared water shortage condition.

Section 12. Additional Enforcement Authority. In addition to the remedies referenced above, the District Manager is empowered to pursue any additional remedies necessary, including, but not limited to, other administrative, criminal, and civil remedies to correct a violation of this Ordinance.

Section 13. Severability. If any portion of this Ordinance is held to be unconstitutional, it is the intent of the Board of Directors that such portion of the chapter be severable from the remainder and that the remainder be given full force and effect.

* * * * * * * * * * * *

PASSED AND ADOPTED by the Board of Directors of the San Lorenzo Valley Water District, County of Santa Cruz, State of California, on the 7th day of May 2015, by the following vote of the members thereof:

ROLL CALL:

AYES: Hammer, Bruce, Ratcliffe, Brown and Baughman
NOES: None
ABSTAIN: None
ABSENT: None

_____
Holly Morrison
District Secretary
San Lorenzo Valley Water District

Year	Gallons Per Day Per Person (23,700 Population)	Gallons Per Day Per Connection (7,915 per CAFR)	Average Units per month per person	Average Units per month per Connection	Summer Usage (April-September)	Winter Usage (October-March)
2017	60.96	182.52	2.48	7.42	70.14	51.77
2018	59.64	178.57	2.43	7.26	66.56	52.71
2019	57.08	170.92	2.32	6.95	63.47	50.70
2020	60.59	181.43	2.46	7.38	69.00	52.18
2021	55.71	166.82	2.27	6.78	65.25	46.17
2022	54.20	162.28	2.20	6.60	62.66	45.73
Average	***58.03***	***173.76***	***2.36***	***7.07***	***66.18***	***49.88***

BOARD OF DIRECTORS
SAN LORENZO VALLEY WATER DISTRICT
REGULAR MEETING
MINUTES
JULY 20, 2023

Thursday, July 20, 2023, at 5:30 p.m., SLVWD Conference Room, 12788 Highway 9, Boulder Creek, and via videoconference and teleconference.

1. **Convene Meeting/Roll Call**: 5:30 p.m.

   Board Members Present:
   Mark Smolley, President
   Jeff Hill, Vice President
   Bob Fultz, Director
   Gail Mahood, Director

   Jaime Ackemann, Director – running late but will attend

   Staff Present:
   Rick Rogers, District Manager
   Barbara Brenner, District Counsel
   Holly Hossack, District Secretary
   Scott Mattoch, Network Specialist

2. **Additions and Deletions to Closed Session Agenda**: None

3. **Oral Communications Regarding Items in Closed Session**: None

4. **Adjournment to Closed Session**: 5:32 p.m.

5. **Re-Convene Meeting/Roll Call**: 6:30 p.m.

   Board Members Present:
   Mark Smolley, President
   Jeff Hill, Vice President
   Jaime Ackemann, Director
   Bob Fultz, Director
   Gail Mahood, Director

   Staff Present:
   Rick Rogers, District Manager
   Barbara Brenner, District Counsel

Holly Hossack, District Secretary
Scott Mattoch, Network Specialist
Kendra Reed, Director of Finance and Business Services*
Carly Blanchard, Environmental Programs Manager and Admin Analyst*
James Furtado, Director of Operations*

6. **Report of Actions Taken in Closed Session**: None

7. **Additions and Deletions**: None

8. **Oral Communications**:
J. Jameson, Felton, expressed his sorrow at the loss of Josh Wolffe. He was a great asset to the District.

9. **Unfinished Business**: None

10. **New Business**:

a. DELINQUENT WATER CHARGES TO BE PLACED ON THE COUNTY TAX ROLL
K. Reed introduced and explained this item.

Discussion by the Board regarding:

- The percentage of outstanding invoices more than 30 days past due
- Why we can't capture more; timing, changing date, internal procedures
- Response to notices
- County success for collection – teetering (paid April, December, June)
- Past due as of 12.31.2022 are on this list
- Are any of these CZU related? No, Basic Waiver Program
- Simplifies process for staff
- Large amounts in one year

A motion was made and seconded to adopt Resolution No. 1 (23-24) approving the delinquent water charges that shall be submitted to the County of Santa Cruz for collection on the property tax roll, and authorizes the District to enter into an indemnity agreement and to provide additional information required by the County.

The motion passed unanimously.

b. BRACKEN BRAE AND FOREST SPRINGS PUMP STATION EASEMENT
R. Rogers introduced and explained this item.

Discussion by the Board regarding:

- Vehicle access
- Acoustic engineering-report to the E & E Committee
- Flat, constructible terrain

A motion was made and seconded to authorize the District Manager the purchase of a 1,265 sq. ft. easement from Heartmath LLC in the amount of $10,000 on the APN 082-031-18 for the purpose of construction of a pump house to supply water to the Bracken Brae and Forest Springs Mutuals water companies.

The motion passed unanimously.

c. DISTRICT MANAGER – EVALUATION

R. Rogers introduced and explained this item.

Discussion by the Board regarding:

- 5% COLA has already been awarded
- The DM should receive the 5% merit increase
- DM has given 60-day notice to retire-agreed to stay on until replaced
- Next GM will look at the top of the pay scale and make the position more attractive

A motion was made and seconded for the Board to establish the District Manager's annual compensation merit increase of 5% to be effective retroactively to October 19, 2022.

Discussion continued:

- 9-month notice to retire

AYES: Smolley, Hill, Ackemann, Mahood
NO: Fultz

The motion passes.

The District Manager thanked the Board and employees.

d. DISTRICT MANAGER – TRANSITION

R. Rogers introduced and explained this item.

Discussion by the Board regarding:

- The new GM may not want the carry-over/contingency plan
- Consultant/advisory
- CalPERS allows retiree to return for Special Projects
- CalPERS retirement could take 3 months or less

B. Holloway, Boulder Creek, noted DM Rogers long tenure with the District and his institutional knowledge. It's good to have a knowledgeable consultant.

N. Launder-Berridge, Bracken Brae, she said that she supports Rick for the Bracken Brae consolidation and FEMA consultation special projects.

11. **Consent Agenda**: Approved
    a. ADJUSTMENTS TO THE MEMO TEMPLATE FOR AGENDA PACKETS
    b. SPECIAL BOARD OF DIRECTORS MINUTES 6.21.23

12. **District Reports**:
    DEPARTMENT STATUS REPORTS
    - Environmental – Loch Lomond feasibility study RFP-working with the City of Santa Cruz
    - Finance-drought rate being triggered by low usage
    - Legal-bandwidth was the fault of DM not Counsel
    - Operations-surface water

B. Holloway, Boulder Creek, noted that Fall Creek water is going to the North System.

C. Blanchard explained that we are operating in a state of emergency. Letters were sent to the State Water Control Board regarding the place of use change petition. We are meeting all bypass requirements.

J. Jameson, referenced the Felton Heights tank and questioned the site options.

R. Rogers said that we are focused on a site away from other homes and are working on geotechnical & environmental issues.

13. **Written Communication**: None

14. **Informational Material**: None

15. **Adjournment**: 7:39 p.m.

Minutes approved: _____

_____
Holly B. Hossack, District Secretary

BOARD OF DIRECTORS
SAN LORENZO VALLEY WATER DISTRICT
REGULAR MEETING
MINUTES
AUGUST 3, 2023

Thursday, August 3, 2023, at 6:30 p.m., SLVWD Conference Room, 12788 Highway 9, Boulder Creek, and via videoconference and teleconference.

1. **Convene Meeting/Roll Call**: 6:30 p.m.

   Board Members Present:
   Mark Smolley, President
   Jeff Hill, Vice President
   Jaime Ackemann, Director
   Bob Fultz, Director

   Gail Mahood, Director, absent due to medical issue.
   A motion was made and seconded to excuse the absence of Director Mahood.
   The motion passed unanimously.

   Staff Present:
   Rick Rogers, District Manager
   Barbara Brenner, District Counsel*
   Carly Blanchard, Environmental Programs Manager and Administrative Analyst
   Holly Hossack, District Secretary
   Scott Mattoch, Network Specialist
   Garrett Roffe, Engineering Manager

   *Attended virtually

2. **Additions and Deletions**: R. Rogers introduced the new Engineering Manager, Garrett Roffe.

3. **Oral Communications**:
   C. Keller and neighbors, Felton, addressed the Board regarding impact of storm on December 31, 2022. They provided a statement which is attached.

   The Board will agendize this issue for a future meeting.

4. **Unfinished Business**:
   a. EMERGENCY CONTRACT AMENDMENT- QUAIL HOLLOW ROAD
      R. Rogers introduced and explained this item.

      Discussion by the Board regarding:
      - Possibility of risk to the entire pipeline/other wash outs

- County standards in the sand hills
- Review the entire contract
- The work has already exceeded the $250K and is close to the $600K
- The design is not the original project, the County is approving and "as built" drawings are being produced
- Paid for through reserves
- FEMA process for this project
- Assessment of the rest of the pipeline trench/possible geotech review

Bring this item to the September Engineering & Environmental Committee.

A motion was made and seconded to direct the District Manager to amend the existing contract with Anderson Pacific Engineering Construction, Inc. in an amount not to exceed $600,000 for the repair of the failed potable water main in Quail Hollow Road.

The motion passed unanimously.

5. **New Business**:

a. 2021-22 STREAMFLOW, SALINITY AND TEMPERATURE MONITORING AND OPERATIONAL GAUGING REPORT

C. Blanchard explained this item and introduced Chelsea Neill with Balance Hydrologics.

C. Neill presented the report.

Discussion by the Board regarding:

- A hole in our data collection due to storm damage of gauges/correlation with other water shed gauges
- Regulatory agency is more interested in critically dry years
- This information is for our benefit not a requirement
- How much data is enough data?
- Water rights & permits

A motion was made and seconded for the Board to accept the staff report and presentation concerning the Water Year (WY) 2021 & 2022 Streamflow, Salinity and Temperature Monitoring and Operational Gauging Report.

The motion passed unanimously.

b. VERIZON CELLULAR SITE – CONCEPTUAL AGREEMENT

R. Rogers introduced and explained this item.

Discussion by the Board regarding:

- Improvement of cell service is good news
- Environmental aspects; noise, signals, etc.

- Location regarding signal issues
- Benefit to the community
- This is not approval, just exploring
- Public outreach
- Potential liability
- Upfront fee/charging for our time (expending staff and resources); legal, public meeting(s), environmental study
- Termination options

C. Dzendzel, Felton, supports this exploration. Who will be paying for the PG&E service? Verizon will be paying for the power and a generator.

A motion was made and seconded that the Board authorizes the District Manager to execute the concept of a lease agreement with Verizon Wireless for the installation of a Wireless Communications Facility at the District's Lyon Water Treatment Facility, subject to mutually acceptable terms including a deposit.

The motion passed unanimously.

6. **Consent Agenda**: Approved

   a. SPECIAL BOARD OF DIRECTORS MINUTES 7.13.23

7. **Written Communication**: None

8. **Informational Material**: None

9. **Adjournment**: 7:48 p.m.

Minutes approved: _____

_____
Holly B. Hossack, District Secretary

MEMO

To: District Manager

From: Engineering Manager

Subject: District Projects Update

Date August 17, 2023

Recommendation:

It is recommended that the Board of Directors review and file the Engineering Department Status Report.

District Projects:

2021 CIP Pipeline Replacement Project: JMB Construction Inc. completed the concrete foundation for the new tank and striped forms, backfilling around the new foundation underway with compaction testing from Haro, Kasunich & Associates, installation of160,000 gallon bolted steel tank manufactured by Superior Tank Co. scheduled to start August 21, 2023, for the Blue Ridge Tank. A ductile iron water main pipe was installed and passed the hydraulic pressure test for the Juanita Woods Water Main Replacement. JMB Construction Inc. has started pipe installation for the Orman Road Water Main Replacement. Orman Road Water Main sand bedding is having compaction testing performed by Construction Testing Services.

2021 FEMA Pipeline Replacement Project: Staff have prepared an RFP for the Harmon Street work, RFP is undergoing final review before publication. Sandis is working on possible changes to the Eckley zone (Ridge Drive) portion of this project aimed at leveraging the placement of the pump station proposed for the Bracken Brae & Forest Springs Consolidation project to eliminate the need for the Eckley pump station and tank. This scope change will require FEMA approval; Staff will apply for such when plans for the revised scope are completed. Staff will provide further updates on this possible elimination as plans develop.

Alta Via Drive and Monan Way Pipelines: Construction is mostly complete on Alta Via Drive water main, aside from the hydrant & ARV at Moonridge. Anderson Pacific completed the installation of the water main and hydrant on Prospect Avenue. Installation of the water main for Monan Way is next.

2023 Tank Rehabilitations: Staff are developing an RFP for the rehabilitation of two existing storage tanks, Blair Tank and Brookdale Tank. Blair Tank rehabilitation will include repair of failing welds, recoating of interior and exterior;

updating of access; replacement of outdated piping and pump station; and preparation of the tank for installation of a cathodic protection system at a later date. Brookdale Tank Rehabilitation will include recoating of interior and exterior; updating of access; and preparation of the tank for installation of a cathodic protection system at a later date. This RFP had been scheduled for publication in January of 2023 but has been delayed while staff address recovery from damage caused by the New Year's Eve and subsequent storm systems. A separate RFP will be published for inspections specific to coatings. Staff anticipate publication of this RFP in May or June of 2023.

CA-9 Bridges 05-1H470: Staff have received a final plan set from MME and reviewed same. Staff and MME will prepare an RFP for the construction of this work in coordination with Caltrans. The publication date is dependent on Caltrans schedule, not yet been provided to the District.

Cross County Pipelines: Staff are exploring options for construction after the Board discussion when the Peer Review was presented. Tree survey and clearing work are underway.

Consolidation of Bracken Brae and Forest Springs Mutuals: Sandis has completed the design plans and specifications, except for the hydro-booster pump station design for the 6 homes which are adjacent to the Forest Springs tank site and will experience low pressure without this pump station. We are working with the Fire Chief to confirm fire sprinkler demand for these homes which is needed for sizing of the pumps. Sandis is proceeding with an acoustical study of the West Park Pump Station to confirm the current design meets residential noise criteria and to provide residents with a study showing the pump station will not create a noise issue in their neighborhood. Once these items are finalized, Sandis will update the plans, specifications, and cost estimates accordingly and issue the bid package.

Fall Creek Fish Ladder: Concrete demolition is complete. Rock anchor installation has commenced. Forming of concrete weirs and installation of rebar has commenced. Work in the channel is on track to be completed by September 15th, in compliance with the permit requirements. Syblon Reid General Engineering Contractors has been working ten hours per day to meet the tight project schedule and have been monitoring progress very closely to see if Saturday work will be required to keep on schedule. Project Engineer of Record, Matt Weld and project Structural Engineer, Brad Streeter both made site visits on August 8, 2023, and August 9, 2023, to observe footing excavation for weirs 5 & 6, as well as overall progress. Each agreed project is progressing per plan.

Felton Heights Tank Project: District Staff continue to work with the property owner at the end of Lost Acre towards the acquisition of necessary property and/or easements for this project; currently staff are considering a location south of the road vice north (previously considered location). Staff will coordinate the survey, geotechnical investigation, and subsequent design of the new tank upon execution of required easements or property purchase; construction of the new tank will follow as quickly as can be arranged.

Foreman Pipeline Access Trail Rehabilitation: McGuire and Hester are providing submittals, staff are reviewing. The construction schedule is TBD. Changes to the design based on March 2023 site visit are being evaluated by F&L and District staff. Electrical conduit installation will be added to the project in preparation for the reconstruction of the Foreman pressure break structure.

GIS System Updates: Staff continue to work on a program of field verification of the exact location of all at-grade and above-grade district-owned facilities. This effort includes meters, backflow prevention devices, isolation valves, and all similar facilities. The project has been underway since December of 2021 and continues. Initial estimates of one-year duration have been extended due to the utilization of staff and equipment needed for this effort in other, more time-sensitive, areas. Staff now anticipate completion of this effort in late Summer of 2023.

Glen Arbor Bridge South Pipeline: New pipeline is in use by the District; Final punch-list items are being addressed by Contractor (MPE). MPE has received the new traffic camera to address the final punch-list item; installation is scheduled for May 15/16 2023, but is dependent on Caltrans work in the area.

Huckleberry Island Main: The temporary main is in service, work to obtain easements required for permanent repair is ongoing.

Lyon Pipeline Replacement Project: Monterey Peninsula Engineering is currently installing two new mains on Redwood Drive/Madrone Drive. Work is progressing towards the intersection of Redwood Dr. and Highway 236. About 2500 LF of new 12" water main and a fire hydrant have been installed thus far, with approximately 9500 LF of 12", 8", and 6" pipe remaining to install.

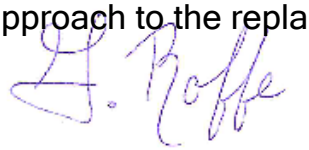
Lyon Slide/Complex Access Road: Sandis has completed the feasibility study and determined the proposed road alignment to be feasible. Sandis has provided preliminary construction documents for this proposed alignment. Staff have received communication from FEMA stating that the proposed change is acceptable. The slide was reactivated due to heavy rain in January 2023, staff are coordinating with the County and the State Geological Service to determine the extent of a new slide. Staff are researching any necessary measures to

protect the Lyon complex and possibly include some form of slide mitigation if needed.

Madrone Booster Station: The Madrone booster station flooded in recent storms; rehabilitation of the booster station has been added to the FEMA grant funding application. Emergency repairs to the booster station began on April 17, 2023, but have stopped due to materials delays. We are currently in the process of completing the grant agreement.

Quail Hollow Pipeline Replacement: Staff are coordinating emergency repair and application to FEMA for grant funding. Anderson Pacific is scheduled to pave the repair work on August 14, 2023, and August 15, 2023. The County of Santa Cruz is scheduled for pavement surface treatment on August 25, 2023 & August 28, 2023.

Redwood Park Tank Project: Paving of the pipeline construction is scheduled to be completed on September 8, 2023. Staff will prepare RFPs for the design and construction of the tank once a completion date for the pipeline is determined. Conditions in the area require that the pipeline contractor be allowed to stage materials and equipment at the new tank site, necessitating a phased approach to the replacement of the existing Swim tanks.



Garrett Roffe, P.E.
Engineering Manager

DATE: August 17, 2023

TO: Board of Directors, San Lorenzo Valley Water District

FROM: Environmental Programs Manager

SUBJECT: July 2023 Environmental Status Report

WRITTEN BY: Carly Blanchard

PRESENTED BY: Carly Blanchard

STAFF RECOMMENDATION

It is recommended that the Board of Directors review and file the Environmental Department status report for July 2023.

GRANTS (ONGOING)

FIRE/FUEL REDUCTION GRANTS

The District was awarded grant for CAL FIRE's Fire Prevention Grant program ($360,000) to continue fuel reduction at infrastructure sites, awaiting lead agency's (Fire Safe Council). SLVWD staff working with CalFire to see if work can proceed without Fire Safe Council.

PROPOSITION 1 IRWM IMPLEMENTATION GRANT

The District was awarded grant funding for fire hardening critical pumphouse structures ($305,000) in conjunction with the Regional Water Management Foundation.

DWR URBAN COMMUNITY DROUGHT RELIEF GRANT PROGRAM

The District was awarded grant funding for fire hardening and drought relief of water tanks ($4,500,000) by the Department of Water Resources.

INFRASTRUCTURE GRANTS

State Revolving Fund for Consolidations

- Bureau of Reclamation WaterSMART Small-scale Efficiency Grant Program
    a. Staff working with USBR to sign grant agreement.
    b. District allowed to begin purchasing meter infrastructure for project.
    c. NEPA review in process
- Staff working on applications for Bear Creek Estates Waste Water system consolidation into County.
    a. Median Household Income survey in process for Bear Creek Wastewater to determine Disadvantaged Community (DAC) status (100% grant funded if DAC). 15 responses of the 56 homes received.
    b. Results received and community MHI was estimated at 180K, disqualifying the community from DAC grant funding.
- Congressional Community Project Funding
    a. Pre-Disaster Mitigation focused funding opportunity with 20% match (past awards ranged from $45,000-5,000,000).
    b. Submitted March 2023 for tank replacement as part of Bracken Brae and Forest Springs Consolidation

Upcoming grants:

Bureau of Reclamation WaterSMART Efficiency Grant Program

- Pursue all remaining meter replacements
- Awaiting announcement of program for 2023

State Revolving Funding (SRF) – Forest Springs

- Application in process for funding assistance for tank & lateral replacements

SEE GRANT TRACKING TABLE AT END OF REPORT FOR FURTHER INFORMATION ON DISTRICT GRANTS APPLICATIONS AND AWARDS

WATER RIGHTS (On-going)

CONJUNCTIVE USE WATER RIGHT PETITIONS – FELTON

Awaiting legal Counsel review draft petition. New legal counsel is reviewing.

ENVIRONMENTAL COMPLIANCE - CAPITAL IMPROVEMENT PROGRAM (ONGOING)

CONJUNCTIVE USE

Regulatory agency permitting (including diversion permitting) in progress.

Staff working to develop operational plan.

Awaiting legal response to request for information (RFI).

Loch Lomond Feasibility request for qualifications in draft stage. Staff planning to release in August 2023.

Staff meeting with California Department of Fish & Wildlife in August to give update on Environmental Impact Report (EIR)

SANDHILLS HABITAT CONSERVATION PLAN (HCP) FOR THE SAN LORENZO VALLEY WATER DISTRICT CAPITAL IMPROVEMENT PLAN

Staff working with consultant (meeting July 31) to move document forward based on future maintenance and projects occuring in sandhills

CIP PROJECT PERMITTING

Staff is working to secure permits for the following Projects:

1. CIP Project Permitting
    A. Lyon & Big Steel Pipeline
        - Biological surveys completed in June 2023
        - NOE filed for Irwin & East Lomond
    B. Redwood Park Pipeline
        - Biological surveys completed
    C. Blue Ridge Tank Replacement
        - Biological surveys completed
    D. Lyon Treatment Plant Access Road Slide (FEMA funded - 2023)
        - Awaiting FEMA
    E. 5-mile and Peavine pipeline
        - Tree surveys complete in May 2023
    F. Huckleberry Island pipeline replacement
        - CEQA NOE to be refiled with updated easement information. Awaiting legal.
        - Staff working to secure easements
    G. Bracken Brae & Forest Springs Consolidation
        - IS-MND adopted by BoDs
        - Initial biological surveys completed
    H. Fuel Reduction Annual Maintenance Contract
        - Fuel reduction contract awarded, contract in review.
    I. Felton Heights Tank
        - Awaiting site selection
    J. Bear Creek Estates
        - Median Household Income (MHI) completed and non DAC designated
        - Staff looking for other sources of funding
        - County of Santa Cruz submitted SRF application for CSA-7
    K. Alta Via
        - Notice of Exemption (NOE) filed
        - Need to complete cultural resources survey for cross-country portion of work

L. Zayante drive pipeline
- NOE filed

M. Fall Creek Fish Ladder
- California Department of Fish & Wildlife (CDFW) grant manager mid-construction meeting scheduled for August 2023
- Biological surveys and training complete.
- Fish relocation completed

N. Valley Gardens will serve letter
- Package submitted to SANDIS Engineering for review
- Staff planning to bring the recommendation to the ENV/ENG Committee in September

O. Orman, Hermosa, and Juanita Pipelines
- NOEs filed in March

2. FEMA
   A. Staff working on appeal with FEMA on denial of hazard tree removal obligation (~$200,000 denied)
   B. Staff working with Panorama Environmental to complete all FEMA project Environmental and Historic Preservation (EHP) reviews.

WATERSHED MANAGEMENT/ STEWARDSHIP

SOLAR PANELS

Three quotes received for solar panel cleaning. Staff working to complete contract with Good Clean Sun.

OLYMPIA PATROL (ONGOING)

Report received for July 2023, no trespassing reported however trash can overfilled and needs to be emptied.

WATERSHED TRESPASS (ONGOING)

None reported in July.

WATER CONSERVATION (ONGOING)

EXECUTIVE ORDER N-7-22

District in Water Shortage Stage 2 and planning to move to Stage 1 at August 17, 2023 BoD meeting

RAIN UPDATE

Water year 22/23 (October 1, 2022 – September 30, 2023) totals in downtown Boulder Creek thus far are approximately 70.94 inches. For current rain fall totals visit https://www.slvwd.com/about-us/pages/local-weather-rainfall

PUBLIC OUTREACH

Miller Maxfield provides outreach summary on a quarterly basis. For latest outreach information see February 2023's status report.

NETWORKING & COLLABORATIONS

GREEN BUSSINESS PROGRAM

In 2017 the District was certified as a Santa Cruz County Green Business. Staff is working with Green Business certifiers to complete certification for 2021-2023.

SANTA CRUZ NATURAL HISTORY MUSEUM EARTH STEWARDSHIP PROGRAM

Restarting in August

EDUCATION

None in July

San Lorenzo Valley Water District Grant Funding

Potential Grant/Loan Program	General Project Description	Short Description	Pursuing	Submission Date	Submission Year (Can Calc)	Funding Received	Award Date	Spent to Date	Funding Pursued	Work Order #	Grant Type	Status	Date Complete	Deliverable	Comments
CAL OES - Community Power Resiliency Allocation to Special Districts Program	Purchase of generators, battery back-ups, changeable message signs, communication equipment, and outreach on PSPS.	Generators and Comms	Yes		2019	$ 300,000.00		300,000.00	300,000.00	N/A	OpEx/CapEx	Complete	10/2021	Purchase	Completed October 2021
Coastal Conservancy's Wildfire Resilience Grant Program	Fuel reduction around critical water infrastructure	Fuel reduction	Yes		2021	$ 200,000.00		200,000.00	200,000.00	2382	OpEx	Complete	1/2022	Final report	Staff completing final report January 2022
CAL FIRE – California Forest Improvement Program	Creation of Forest Management Plan	Forest Management Plan	Yes		2020	$ 6,822.00		6,822.00	6,822.00	2451	OpEx	Complete	1/2022	Forest Management Plan	Once complete,reapply for implementation.
CAL FIRE – Forest Health Grant	Fuel reduction around critical water infrastructure, planting and invasive removal.	Fuel reduction	Yes		2021	$ 493,500.00	7/2021	5,000.00	500,000.00	N/A	OpEx	Secured	Pending	Fuel Reduction	Secured through RCD of Santa Cruz. Pending agreement with Cal Fire.
Wildlife Conservation Board – Streamflow Enhancement Program	Conjunctive Use Plan & permitting	Water Rights	Yes		2017	$ 330,451.00		246,198.98	330,500.00	EXP-1718001A	OpEx	Complete	6/2021	?	Awaiting final reimbursement.
Department of Water Resources – Integrated Regional Water Management (IRWM) Implementation Grant Program	Disadvantaged Community Outreach	Disadvantaged Community Outreach	Yes		2021	$ 17,950.00		15,550.37	17,950.00	N/A	OpEx	Complete	8/2021	?	
Department of Water Resources – Integrated Regional Water Management (IRWM) Implementation Grant Program	Water Master Plan	Water Master Plan	Yes		2019	$ 69,937.00		69,937.00	69,937.00	1518	CapEx	Complete	?	?	
Department of Water Resources Small Community Drought Relief Program	Interties to smaller community water systems (no cost share or limit)	BBW, et. al.?	Yes		2021	$3,203,850.00		0.00	4,000,000.00	2517	CapEx	Secured	Pending	?	No application deadline. Submitted application September 2021. Desired funding $4,279,250
State Water Resource Control Board CA Water/Wastewater Arrearage Program	Arrearage for COVID	Covid	Yes		2021	$175,261.00		140,206.22	175,261.00	N/A	OpEx	Complete	?	?	
CAL FIRE – Fire Prevention Grant	Fuel reduction around critical water infrastructure and hardening of pump stations	Fuel reduction	Yes		2022	$364,000.00		N/A	1,500,000.00	N/A	OpEx	Secured	Pending	Fuel Reduction	Applications are due February 9th, 2022. Targeting $1.5 million
DWR Sustainable Groundwater Management Grant Program	Conjunctive Use Plan EIR, Loch Lomond Feasibility Study, and bulk water fill stations.	Water Rights and Supply	Yes	12/21/2022	2022	$0.00		N/A	555,000.00	N/A	OpEx	Pursuing			Board approved resolution to allow SMGWA to submit on behalf of District on 12/1/2022. Applications due 12/21/22.
DWR WR 2022 Urban Community Drought Relief Grant	Retrofitting six redwood tanks	Tank Replacement	Yes		2023	$4,500,000.00		N/A	6,000,000.00	N/A	OpEx	Pursuing			Applications accepted on rolling basis. More competitive the sooner application submitted.
CAL OES Hazard Mitigation Grant Program	Retrofitting redwood and poly tanks. Hardening pump houses. Tree removal along 5-mile pipeline. Hardening of 5-mile reconstruction. COVID relief	Tank Replacement Harden 5 Mile Pipe	Yes		2022	$0.00		N/A	8,000,000.00	N/A	OpEx	Pursuing			Notice of Interest due February 15th, 2022. Targeting ~8 million
US Bureau of Reclamation – WaterSMART Drought Resiliency Grant	Retrofitting to AMI meters	Meters	Yes		2022	$100,000.00		N/A	250,000.00	N/A	OpEx	Secured			Awarded 100,000 in January
Santa Cruz Integrated Regional Water Management (IRWM) Region Grant Program	Hardening pumphouse structures.	Harden Structure	Yes		2022	$305,000.00		N/A	300,500.00	N/A	OpEx	Secured			Awarded in May 2023
California Department of Fish and Wildlife – Watershed Restoration Grant Program (Prop 1)	Fall Creek Fish Ladder construction, stream gaging, and potential critical riffle study	Fall Creek Fish Ladder	Yes		2022	$1,116,166.00		N/A	1,000,000.00	N/A	OpEx	Secured			Application due March 9th, 2022. Budgets being established. No cost share. Targeting 1 million +
Coastal Conservancy's Wildfire Resilience Grant Program	Fuel reduction around critical water infrastructure	Fuel reduction	Yes		2022	$0.00		N/A	308,000.00	N/A	OpEx	Not awarded			Pre-application submitted in January 2022. Awaiting contact from CCC for complete application package. Targeting $308,000
						$11,182,937.00			**$23,513,970.00**						
						TOTAL RECEIVED TO DATE			**TOTAL PURSUING**						

Color Key

- Secured
- Pursuing
- Complete
- Not awarded

MEMO

DATE: August 18, 2023
TO: Board of Directors, San Lorenzo Valley Water District
FROM: Rick Rogers, District Manager
SUBJECT: Finance & Business Services Status Report

WRITTEN BY: Kendra Reed
PRESENTED BY: Kendra Reed

STAFF RECOMMENDATION

It is recommended that the Board of Directors review and file the Finance & Business Services Department Status Report for June.

RECOMMENDED MOTION

None

BACKGROUND

AUDIT

The Fiscal Year 2022-2023 Audit is currently in process. Accounting staff are in the process of closing out the fiscal year. It is not uncommon for prior year invoices to continue to roll in through Aguust. Most revenue numbers should remain relatively untouched, but there are still invoices relating to the prior year that will need to be accrued.

CUSTOMER SERVICE SUPPORT

- Monthly Consumption by Customer Class
- Customer Service Dept Summary
- Weekly Call Log

REVENUE STABILIZATION RATE (RSR) ANALYSIS

This packet contains the current consumption as compared to the prior 3 year averages for the RSR. As of June 2023, the cumulative consumption is 11% below the baseline. Consumption for June is 17% below the 3 year average baseline and 15% lower than prior year. We will continue to monitor consumption and update the Board as necessary.

RATE ASSISTANCE PROGRAM

As of June 2023, there are 74 approved applications and 0 pending application(s). The final annual renewal notices went out in May to all customers in the program. Customers are responsible for renewing their application each year per the policy. If customers do not renew by 05/31, they will be removed from the program for non-renewal. The decrease in applications is due to non-renewal.

PAST DUES

There was a 7% increase from May 30+ days past dues. The delinquent property tax roll accounts were submitted to the County in August in the amount of $175,794.47.

FINANCIAL SUMMARY

This package contains the June financial package. Please continue to read for more details.

- Overall Operating Revenue: June revenue decreased by $193K compared to the prior year. This was mainly due to a 15% decrease in consumption.

    - Overall Operating Revenue excluding Fire Recovery Surcharge (FRS) was $1.4M for June. Excluding the FRS, revenue had a 12% decrease from last year.

- Operating Expenses: June expenses were 18% higher than prior year, mainly due to an increase in Salaries & Benefits and Contract/Professional Services.

- Operating Income (loss): June operating income was $430K.

    - Operating Income, excluding FRS was $348K for June.

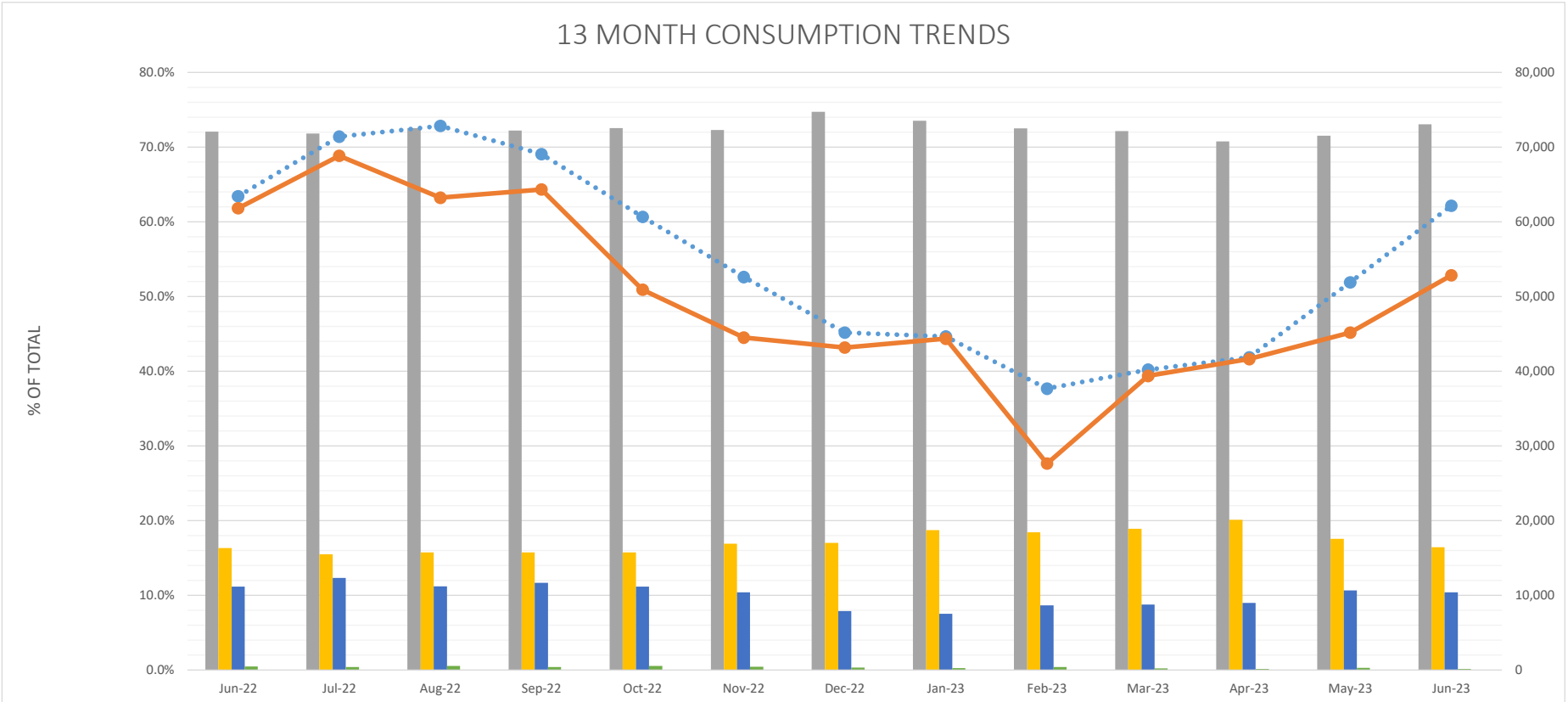
- Overall Outlook: In looking at the preliminary numbers for June and YTD, operating revenue is 92% of Budget, operating expenses are 91% of Budget, and operating income, excluding FRS is 94% of budget.

	June		Full Year	
	Current Month	YTD	Budget	*% of Budget*
Operating Revenue (Excluding Fire Recovery Surcharge)	$ 1,401,681	$ 11,081,091	$ 12,078,112	*92%*
Operating Expenses	$ 794,074	$ 8,640,450	$ 9,468,080	*91%*
Operating Income (Excluding Fire Recovery Surcharge)	$ 607,608	$ 2,440,641	$ 2,610,032	*94%*

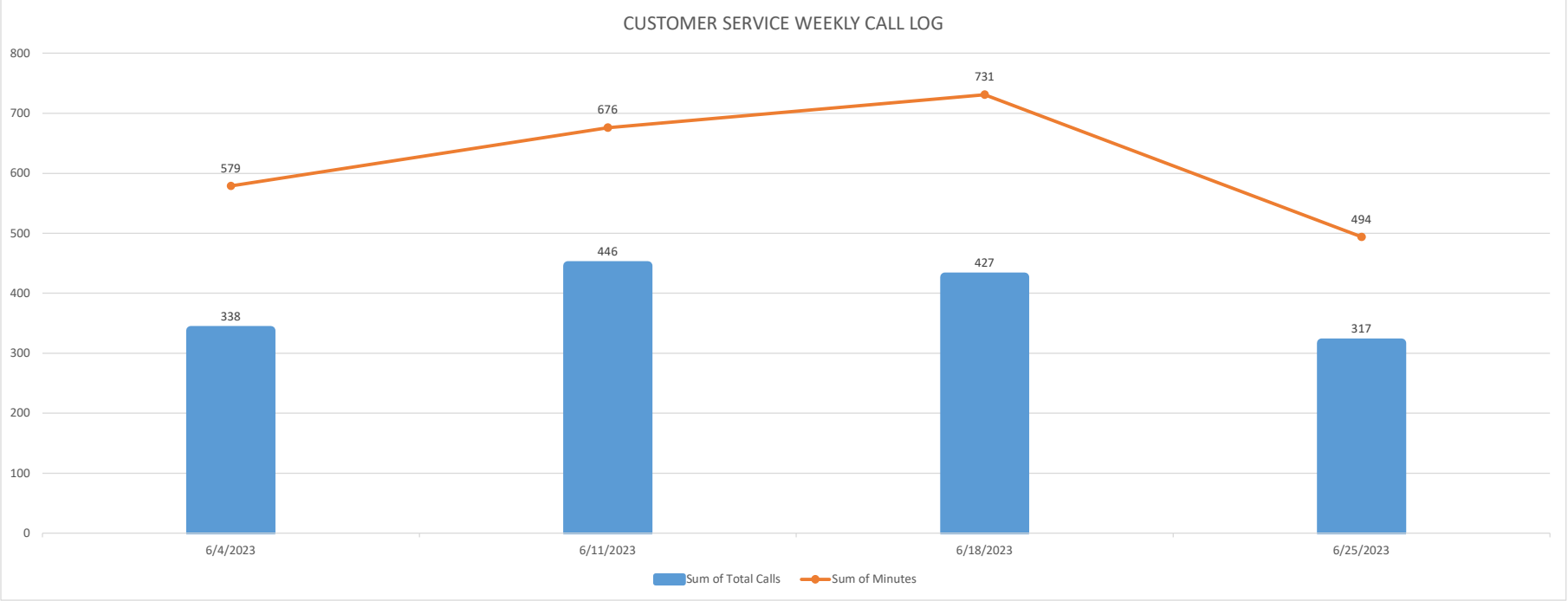
CUSTOMER SERVICE DEPT SUMMARY

These statistics are meant to show some of the trends and fluctuations in utility billing related items. Management will use these to look for abnormalities or seasonal trends that can impact staff time. For example, the cut in/out process is typically correlated to the real estate market.

Monthly Stats:	**Jun-23**	**May-23**	**Apr-23**	**Mar-23**	**Feb-23**	**Jan-23**	**Dec-22**	**Nov-22**	**Oct-22**	**Sep-22**	**Aug-22**	**Jul-22**	**Jun-22**	**May-22**	**Apr-22**
Cut In/Outs	36	38	20	20	12	24	28	32	44	50	62	48	80	58	52
# Past Due Accounts	1228	1,160	1,287	1,461	1,098	1,168	1,335	1,063	1,239	1,476	1,227	1,322	1,460	1,355	1,460
# Receiving IVR	968	874	965	998	800	861	965	807	928	1,075	926	953	1,056	987	1,056
# Late Penalties	794	782	832	830	821	930	805	709	726	796	707	743	769	774	769
Past Due Balances (30+ Days) [1]	$ 462,599	$ 434,086	$ 451,752	$ 448,724	$ 463,193	$ 418,494	$ 400,753	$ 360,539	$ 341,425	$ 320,298	$ 342,331	$ 330,919	$ 307,179	$ 289,810	$ 280,252
Rate Assistance Program (RAP)															
Approved Applications	74	93	93	93	92	92	92	90	89	89	88	87	85	80	78
Pending Applications	0	0	0	0	0	0	0	2	2	1	1	2	2	3	3
Online / Going Green															
As of 8/8/2023															
Online Sign-ups	5,295	5,255	5,235	5,207	5,173	5,155	5,123	5,104	5,066	5,054	5,027	4,977	4,921	4,901	4,840
E-Bills	2,509	2,492	2,471	2,455	2,428	2,400	2,376	2,368	2,362	2,350	2,331	2,307	2,257	2,266	2,281
Auto Pay	3,712	3,687	3,654	3,625	3,589	3,580	3,552	3,506	3,534	3,526	3,493	3,471	3,427	3,411	3,395



	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23
Residential	72.1%	71.8%	72.5%	72.2%	72.5%	72.3%	74.7%	73.5%	72.5%	72.1%	70.8%	71.5%	73.0%
Multi Residential	16.3%	15.5%	15.7%	15.7%	15.7%	16.9%	17.0%	18.7%	18.4%	18.9%	20.1%	17.5%	16.4%
Commercial	11.1%	12.3%	11.2%	11.7%	11.2%	10.4%	7.9%	7.5%	8.7%	8.8%	9.0%	10.7%	10.4%
Bulk Water	0.5%	0.4%	0.5%	0.4%	0.5%	0.4%	0.3%	0.3%	0.4%	0.2%	0.2%	0.3%	0.1%
Other Systems	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
BUDGETED UNITS	63,431	71,397	72,831	69,068	60,656	52,605	45,167	44,636	37,666	40,218	41,852	51,909	62,163
ACTUAL UNITS	61,817	68,829	63,207	64,322	50,922	44,500	43,180	44,352	27,637	39,375	41,619	45,177	52,842



Week Ending	Total Calls		Incoming Calls		Outgoing Calls		Weekly Notes
	# Calls	Minutes	# Calls	Minutes	# Calls	Minutes	
6/4/2023	338	579	232	470	106	109	Main Break: Oak Ave. , 8215 Ridgeview, 4 Logan Way.
6/11/2023	446	676	279	534	167	143	Main Break: 130 Caledonium Ave., 10277 Lomita Ave., 8385 Glen Arbor Rd., 1000 Nina Ct.
6/18/2023	427	731	276	550	151	181	Main Break: N. Sequoia Rd., 123 Beth Dr., 421 Manzanita Ave., Glen Arbor Rd. & Caledonium Ave.
6/25/2023	317	494	215	407	102	86	Main Break: 140 Aquila Way., Manzanita Rd., 330 River Dr., 300 McPherson Way., 274 St. Francis Dr., 15000 Two Bar Rd., 11947 Upper Volver Ave., 5300 Graham Hill Rd., 8275 Freont Ave.

REVENUE STABILIZATION RATE ANALYSIS FY22-23

In accordance with the District's Revenue Stabilization Rates Policy & Procedures, the District Manager shall provide the Board of Directors with the average units of water sales (by month) for the rolling previous three years, which will serve as the baseline against which current annual sales to date will be compared. If the District Manager determines that budget-year water sales (in units) to date, and corresponding revenue, is more than 10% below expected year-to-date levels (based on monthly averages over the previous three years), the District Manager shall notify, at a public meeting, the Board of Directors of this determination at or before the next regularly scheduled Board meeting. For more information, please refer to the District's full Policy & Procedures.

MONTHLY CONSUMPTION IN UNITS BY FISCAL YEAR (BASELINE)

	July	August	September	October	November	December	January	February	March	April	May	June	**TOTAL**
FY1920	69,511	70,199	70,935	61,797	58,008	49,614	45,215	40,031	44,903	47,195	56,904	64,133	**678,447**
FY2021	75,312	78,208	67,686	64,547	55,021	47,697	46,950	37,588	37,065	50,838	60,205	65,232	**686,348**
FY2122	67,878	69,234	55,672	56,472	44,129	39,798	39,208	38,216	44,799	44,339	54,843	61,817	**616,405**
3 YR AVERAGE (BASELINE)	**70,900**	**72,547**	**64,764**	**60,939**	**52,386**	**45,703**	**43,791**	**38,612**	**42,256**	**47,457**	**57,317**	**63,728**	660,400

ACTUAL FY2223 CONSUMPTION

FY2223	68,829	63,207	64,322	50,922	44,500	43,180	44,352	27,637	39,375	41,619	45,177	52,842	**585,962**

CUMULATIVE ANALYSIS

% Above or Below Average	*-3%*	*-13%*	*-1%*	*-16%*	*-15%*	*-6%*	*1%*	*-28%*	*-7%*	*-12%*	*-21%*	*-17%*	
Cumulative %	***-3%***	***-8%***	***-6%***	***-8%***	***-9%***	***-9%***	***-8%***	***-9%***	***-9%***	***-10%***	***-11%***	***-11%***	

NOTES:

As of June 2023, the cumulative consumption is 11% below the baseline. Consumption for June is 17% below the 3 year average baseline and 15% lower than prior year. We will continue to monitor consumption and update the Board as necessary.

SAN LORENZO VALLEY WATER DISTRICT - PAST DUE ANALYSIS - JUNE 2023

CYCLE 1

	Bal Fwd	Bal Under 30	Bal 30 to 60	Bal 60 to 90	Bal 90 to 120	Bal Over 120
Owner	$ 232,639	$ 71,060	$ 23,169	$ 18,655	$ 14,639	$ 105,117
# of accounts	*555*	*215*	*152*	*128*	*112*	

IVR/PAST DUE INFORMATION:

PAST DUE PRIOR TO IVR	526		
# RECEIVING IVR	457	87%	% signed up for IVR
FINAL PAST DUE	376	71%	% from initial past due

PRIOR MONTH MAY COMPARISON

	Bal Fwd	Bal Under 30	Bal 30 to 60	Bal 60 to 90	Bal 90 to 120	Bal Over 120
	$ 224,362	$ 65,432	$ 25,774	$ 18,759	$ 11,189	$ 103,209
# of accounts	*572*	*221*	*157*	*125*	*110*	

CYCLE 2

	Bal Fwd	Bal Under 30	Bal 30 to 60	Bal 60 to 90	Bal 90 to 120	Bal Over 120
Owner	$ 397,127	$ 96,107	$ 48,727	$ 31,492	$ 34,606	$ 186,194
# of accounts	*698*	*348*	*228*	*181*	*165*	

IVR/PAST DUE INFORMATION:

PAST DUE PRIOR TO IVR	702		
# RECEIVING IVR	511	73%	% signed up for IVR
FINAL PAST DUE	418	60%	% from initial past due

PRIOR MONTH MAY COMPARISON

	Bal Fwd	Bal Under 30	Bal 30 to 60	Bal 60 to 90	Bal 90 to 120	Bal Over 120
	$ 369,281	$ 94,126	$ 40,959	$ 41,323	$ 18,908	$ 173,966
# of accounts	*731*	*303*	*206*	*168*	*157*	

TOTAL DISTRICT **BILLS SENT IN JUNE**

	Bal Fwd	Bal Under 30	Bal 30 to 60	Bal 60 to 90	Bal 90 to 120	Bal Over 120
Owner	$ 629,766	$ 167,167	$ 71,896	$ 50,147	$ 49,245	$ 291,311
# of accounts	*1,253*	*563*	*380*	*309*	*277*	

BALANCE OF ACCOUNTS 30+ DAYS PAST DUE ***462,599***

 # OF ACCOUNTS 30+ DAYS PAST DUE ***1,529***

IVR/PAST DUE INFORMATION:

PAST DUE PRIOR TO IVR	1,228		
# RECEIVING IVR	968	79%	% signed up for IVR
FINAL PAST DUE	794	65%	% from initial past due

LT PAYMENT PLANS 20

LIEN INFORMATION:

# ACTIVE LIENS	96		
TOTAL BALANCE	$ 101,670	35%	% collatoralized of Owner Bal Over 120

PRIOR MONTH MAY COMPARISON

	Bal Fwd	Bal Under 30	Bal 30 to 60	Bal 60 to 90	Bal 90 to 120	Bal Over 120
	$ 593,643	$ 159,557	$ 66,733	$ 60,081	$ 30,096	$ 277,175
# of accounts	*1,303*	*524*	*363*	*293*	*267*	

BALANCE OF ACCOUNTS 30+ DAYS PAST DUE ***434,086***

 # OF ACCOUNTS 30+ DAYS PAST DUE ***1,447***

7%
% change from prior month for 30+ days past due

** Lien amount may be larger than 120+ day bucket due to the fact it will include their entire balance.*

Fiscal Year 2022/2023
Fourth Quarter Financial Summary

Management's Discussion and Analysis (MDA)

Overview

This section presents management's analysis of the San Lorenzo Valley Water District's (the District) financial condition and activities as of the above mentioned period. This information should be read in conjunction with the unaudited financial information that follows. For a complete review of a fiscal year, it is best to come back and look at the audited Annual Financial Report.

The District does a hard year end close, through that process there are yearend expenses that are booked at yearend and not represented in the monthly expenses. There may also be annual expenses paid upfront that could cause individual months to appear skewed. Data is continuously being reviewed, so it is not uncommon for a prior month balance to change slightly throughout the year as accounts are reconciled. It is important to understand this in connection with the numbers that follow.

Operations Net Results

For the three months ended June 30, 2023, the District had an operating income of $934K. The Quarterly operating revenue was $3.3M with operating expenses of $2.4M. The first 3 months of the fiscal year typically have higher consumption and the remaining quarters have lower consumption. This June we saw a decrease in consumption. Consumption was 12% lower than prior year Q4 and 17% lower than the average for this quarter.

Operating Revenue

Quarterly operating revenue of $3.3M is in line with expectations. April, May, and June had usage of 41.6K, 45.1K and 52.8K units of water billed, respectively. Consumption came in 16K units lower than budgeted.

Q4 CY compared to Q4 PY had an decrease of $370K or 10%, which is a result of the decrease in consumption.

Operating Expenses

Quarterly operating expenses were $2.4M, or 26% of the annual budget.

Q4 CY compared to Q4 PY had an increase of $338K, or 16%, which is a result of an increase in salaries & benefits and contract/professional services.

Non-Operating Revenue & Expenses

Below itemizes the different non-operating revenue and expenses of the District as of Q4.

Non-operating Revenue	Q1 Total	Q2 Total	Q3 Total	Q4 Total	YTD Total
Mobile Services Lease Fees	$ 8,723	$ 6,200	$ 9,599	$ 9,079	$ 33,601
Property Taxes	19,516	470,417	6,949	469,814	$ 966,696
Assessment Revenue	-	170,979	516	169,268	$ 340,764
Rental Income	3,005	7,378	2,671	8,228	$ 21,282
Interest	73,494	97,610	125,415	158,640	$ 455,159
	$ 104,737	$ 752,585	$ 145,151	$ 815,029	$ 1,002,473

Non-operating Expenses	Q1 Total	Q2 Total	Q3 Total	Q4 Total	YTD Total
Interest Expense	$ 463,512	$ 28,118	$ 451,938	$ 292,291	$ 1,235,859
Investment in SMGWA	$ -	$ -	$ 151,044	$ -	$ 151,044

Debt Obligations

Below itemizes the current debt obligations of the District as of Q4. Some of the debt obligations are solely funded from assessments and not paid out of the general fund.

	Balance 2122	Additions	Payments	Balance 2223
Felton Loan	$ 874,736		$ 166,642	$ 708,093
Olympia SRF Loan	1,255,078		72,440	1,182,638
Probation Tank Loan	1,802,633		77,969	1,724,664
Other Loans	155,977		33,715	122,262
COP	13,550,000		260,000	13,290,000
COP Premium	803,548		29,578	773,970
2021 $15M Loan	14,408,089		606,584	13,801,505
	$ 32,850,060	$ -	$ 1,246,929	$ 31,603,132

Capital Projects & Expenditures

Below itemizes the Q4 capital expenditures that have been spent. Please note if any projects used in-house labor, these amounts may have not yet been allocated to the projects. In Q4 there were approximately $3.3M in capital expenditures.

Capital Breakdown	Q1 Total	Q2 Total	Q3 Total	Q4 Total	YTD Total
CZU Fire	$ 7	$ 19	$ 252	$ 747	$ 1,025
$14.5M COP Projects	$ 82	$ 1,772	$ 29	$ 983	$ 2,865
$15M Loan	$ 19	$ 30	$ 263	$ 1,325	$ 1,637
Other	$ 125	$ 798	$ 524	$ 267	$ 1,714
$'s in thousands	$ 232	$ 2,619	$ 1,068	$ 3,322	$ 7,241

OPERATING ANALYSIS - JUNE 2023

PRELIMINARY NUMBERS - SUBJECT TO CHANGE FOR YEAR END ENTRIES

REVENUE BY CATEGORY

	COMPARING AGAINST PRIOR YEAR					COMPARING AGAINST BUDGET		
DESCRIPTION	**ACTUALS**	**% OF TOTAL**	**PRIOR YEAR**	***$ Diff.***	***% Diff.***	**Act. % of Budget**	**ANNUAL BUDGET**	***% of Annual***
WATER USAGE	$ 1,083,182	*73.0%*	$ 1,273,645	*$ (190,464)*	*-15%*	*13%*	$ 8,231,131	*63%*
BASIC CHARGES	295,692	*19.9%*	295,611	*81*	*0%*	*8%*	3,536,400	*27%*
FIRE RECOVERY SURCHARGE	82,464	*5.6%*	82,340	*124*	*0%*	*8%*	1,000,000	*8%*
METERS, PENALTIES & OTHER	8,390	*0.6%*	11,760	*(3,370)*	*-29%*	*6%*	137,560	*1%*
SEWER CHARGES	14,418	*1.0%*	14,418	*0*	*0%*	*8%*	173,021	*1%*
TOTAL OPERATING REVENUE	**$ 1,484,146**	***100.0%***	**$ 1,677,775**	***$ (193,629)***	***-12%***	***11%***	**$ 13,078,112**	***100%***

REVENUE COMMENTS*

Water Usage: Consumption was 15% lower than prior year

See detail below for Operating Revenue excluding the Fire Recovery Surcharge

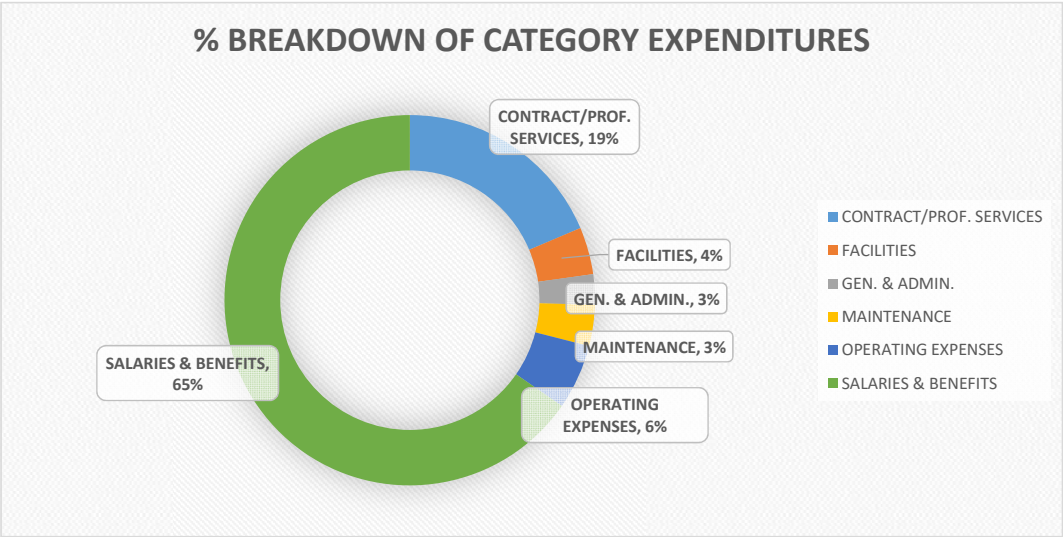
EXPENSES BY CATEGORY

	COMPARING AGAINST PRIOR YEAR					COMPARING AGAINST BUDGET		
DESCRIPTION	**ACTUALS**	**% OF TOTAL**	**PRIOR YEAR**	***$ Diff.***	***% Diff.***	**Act. % of Budget**	**ANNUAL BUDGET**	***% of Annual***
SALARIES & BENEFITS	$ 688,639	*65.3%*	$ 616,281	*$ 72,358*	*12%*	*10%*	$ 6,607,296	*70%*
CONTRACT/PROF. SERVICES	196,497	*18.6%*	76,164	*120,333*	*158%*	*19%*	1,008,645	*11%*
OPERATING EXPENSES	59,858	*5.7%*	60,397	*(538)*	*-1%*	*13%*	455,450	*5%*
MAINTENANCE	37,947	*3.6%*	31,986	*5,961*	*19%*	*19%*	202,700	*2%*
FACILITIES	43,185	*4.1%*	87,867	*(44,682)*	*-51%*	*6%*	725,795	*8%*
GEN. & ADMIN.	27,914	*2.6%*	20,563	*7,351*	*36%*	*6%*	468,194	*5%*
TOTAL OPERATING EXPENSES	**$ 1,054,041**	***100%***	**$ 893,258**	**$ 160,783**	***18%***	***11%***	**$ 9,468,080**	***100%***

EXPENSE COMMENTS

Salaries & Benefits: One time payout/COLA retro

Contract/Prof. Services: $35K Election Fees, $60K legal fees, $21K leak detection



EXCLUDING FIRE RECOVERY SURCHARGE

REVENUE BY CATEGORY

	COMPARING AGAINST PRIOR YEAR					COMPARING AGAINST BUDGET		
DESCRIPTION	**ACTUALS**	**% OF TOTAL**	**PRIOR YEAR**	***$ Diff.***	***% Diff.***	**Act. % of Budget**	**ANNUAL BUDGET**	***% of Annual***
WATER USAGE	$ 1,083,182	*73.0%*	$ 1,273,645	*$ (190,464)*	*-15%*	*13%*	$ 8,231,131	*63%*
BASIC CHARGES	295,692	*19.9%*	295,611	*81*	*0%*	*8%*	3,536,400	*27%*
FIRE RECOVERY SURCHARGE								
METERS, PENALTIES & OTHER	8,390	*0.6%*	11,760	*(3,370)*	*-29%*	*6%*	137,560	*1%*
SEWER CHARGES	14,418	*1.0%*	14,418	*0*	*0%*	*8%*	173,021	*1%*
TOTAL OPERATING REVENUE	**$ 1,401,681**	***100.0%***	**$ 1,595,435**	***$ (193,753)***	***-12%***	***12%***	**$ 12,078,112**	***100%***

OPERATING ANALYSIS - Q4 FY2223 (APRIL-JUNE)

PRELIMINARY NUMBERS - SUBJECT TO CHANGE FOR YEAR END ENTRIES

REVENUE BY CATEGORY

	COMPARING AGAINST PRIOR YEAR					COMPARING AGAINST BUDGET		
DESCRIPTION	**ACTUALS**	**% OF TOTAL**	**PRIOR YEAR**	***$ Diff.***	***% Diff.***	**Act. % of Budget**	**ANNUAL BUDGET**	***% of Annual***
WATER USAGE	$ 2,158,358	*64.3%*	$ 2,527,540	*$ (369,183)*	*-15%*	*26%*	$ 8,231,131	*63%*
BASIC CHARGES	886,533	*26.4%*	884,967	*1,566*	*0%*	*25%*	3,536,400	*27%*
FIRE RECOVERY SURCHARGE	247,316	*7.4%*	246,773	*544*	*0%*	*25%*	1,000,000	*8%*
METERS, PENALTIES & OTHER	23,410	*0.7%*	26,595	*(3,185)*	*-12%*	*17%*	137,560	*1%*
SEWER CHARGES	43,255	*1.3%*	43,257	*(2)*	*0%*	*25%*	173,021	*1%*
TOTAL OPERATING REVENUE	**$ 3,358,872**	***100.0%***	**$ 3,729,131**	***$ (370,260)***	***-10%***	***26%***	**$ 13,078,112**	***100%***

REVENUE COMMENTS*

Water Usage: Water usage has decreased 15% in Q4 compared to prior year

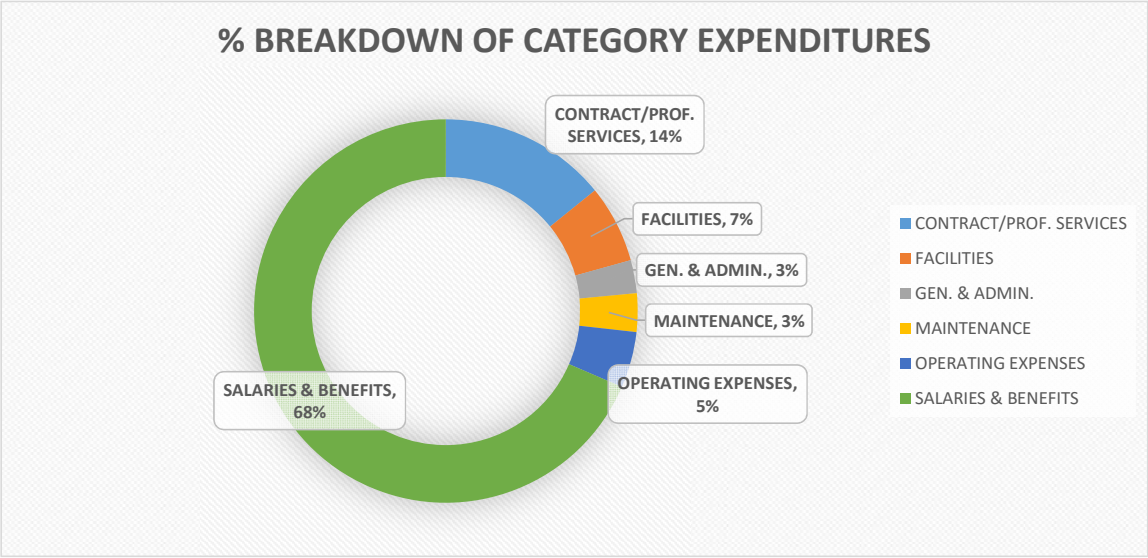
See detail below for Operating Revenue excluding the Fire Recovery Surcharge

EXPENSES BY CATEGORY

	COMPARING AGAINST PRIOR YEAR					COMPARING AGAINST BUDGET		
DESCRIPTION	**ACTUALS**	**% OF TOTAL**	**PRIOR YEAR**	***$ Diff.***	***% Diff.***	**Act. % of Budget**	**ANNUAL BUDGET**	***% of Annual***
SALARIES & BENEFITS	$ 1,661,787	*68.5%*	$ 1,443,571	*$ 218,216*	*15%*	*25%*	$ 6,607,296	*70%*
CONTRACT/PROF. SERVICES	343,722	*14.2%*	225,993	*117,729*	*52%*	*34%*	1,008,645	*11%*
OPERATING EXPENSES	114,933	*4.7%*	109,273	*5,660*	*5%*	*25%*	455,450	*5%*
MAINTENANCE	78,313	*3.2%*	63,024	*15,289*	*24%*	*39%*	202,700	*2%*
FACILITIES	158,619	*6.5%*	177,110	*(18,490)*	*-10%*	*22%*	725,795	*8%*
GEN. & ADMIN.	67,871	*2.8%*	68,247	*(377)*	*-1%*	*14%*	468,194	*5%*
TOTAL OPERATING EXPENSES	**$ 2,425,245**	***100%***	**$ 2,087,218**	***$ 338,027***	***16%***	***26%***	**$ 9,468,080**	***100%***

EXPENSE COMMENTS

Salaries & Benefits: One time payout/COLA Retro
Contract/Prof. Services: $35K Election Fees, $60K legal fees, $21K leak detection



EXCLUDING FIRE RECOVERY SURCHARGE

REVENUE BY CATEGORY

	COMPARING AGAINST PRIOR YEAR					COMPARING AGAINST BUDGET		
DESCRIPTION	**ACTUALS**	**% OF TOTAL**	**PRIOR YEAR**	***$ Diff.***	***% Diff.***	**Act. % of Budget**	**ANNUAL BUDGET**	***% of Annual***
WATER USAGE	$ 2,158,358	*64.3%*	$ 2,527,540	*$ (369,183)*	*-15%*	*26%*	$ 8,231,131	*63%*
BASIC CHARGES	886,533	*26.4%*	884,967	*1,566*	*0%*	*25%*	3,536,400	*27%*
FIRE RECOVERY SURCHARGE								
METERS, PENALTIES & OTHER	23,410	*0.7%*	26,595	*(3,185)*	*-12%*	*17%*	137,560	*1%*
SEWER CHARGES	43,255	*1.3%*	43,257	*(2)*	*0%*	*25%*	173,021	*1%*
TOTAL OPERATING REVENUE	**$ 3,111,556**	***100.0%***	**$ 3,482,359**	***$ (370,803)***	***-11%***	***26%***	**$ 12,078,112**	***100%***

OPERATING ANALYSIS - YTD FY2223 (JULY-JUNE)

PRELIMINARY NUMBERS - SUBJECT TO CHANGE FOR YEAR END ENTRIES

REVENUE BY CATEGORY

	COMPARING AGAINST PRIOR YEAR					COMPARING AGAINST BUDGET		
DESCRIPTION	**ACTUALS**	**% OF TOTAL**	**PRIOR YEAR**	***$ Diff.***	***% Diff.***	**Act. % of Budget**	**ANNUAL BUDGET**	***% of Annual***
WATER USAGE	$ 7,272,549	*60.3%*	$ 7,675,540	*$ (402,991)*	*-5%*	*88%*	$ 8,231,131	*63%*
BASIC CHARGES	3,546,922	*29.4%*	3,474,548	*72,374*	*2%*	*100%*	3,536,400	*27%*
FIRE RECOVERY SURCHARGE	989,249	*8.2%*	904,313	*84,936*	*9%*	*99%*	1,000,000	*8%*
METERS, PENALTIES & OTHER	88,600	*0.7%*	103,022	*(14,422)*	*-14%*	*64%*	137,560	*1%*
SEWER CHARGES	173,020	*1.4%*	173,034	*(14)*	*0%*	*100%*	173,021	*1%*
TOTAL OPERATING REVENUE	**$ 12,070,339**	***100.0%***	**$ 12,330,456**	***$ (260,117)***	***-2%***	***92%***	**$ 13,078,112**	***100%***

REVENUE COMMENTS*

YTD revenues are slightly lower than prior year due to decrease in consumption. Offset by two more months of fire surcharge than prior year. Current year includes last rate increase of 5 year rate increase.

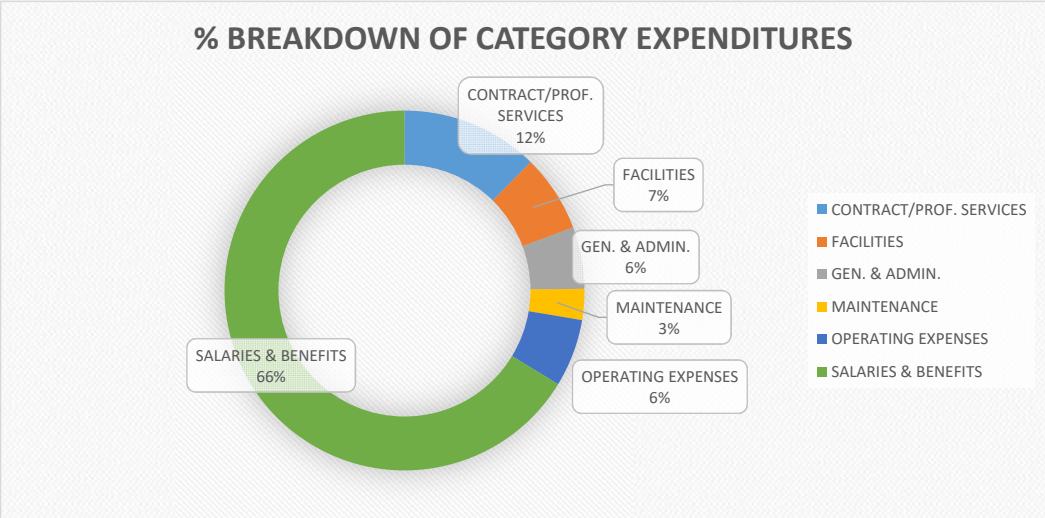
See detail below for Operating Revenue excluding the Fire Recovery Surcharge

EXPENSES BY CATEGORY

	COMPARING AGAINST PRIOR YEAR					COMPARING AGAINST BUDGET		
DESCRIPTION	**ACTUALS**	**% OF TOTAL**	**PRIOR YEAR**	***$ Diff.***	***% Diff.***	**Act. % of Budget**	**ANNUAL BUDGET**	***% of Annual***
SALARIES & BENEFITS	$ 5,727,017	*66.3%*	$ 5,482,471	*$ 244,545*	*4%*	*87%*	$ 6,607,296	*70%*
CONTRACT/PROF. SERVICES	1,066,356	*12.3%*	1,364,204	*(297,848)*	*-22%*	*106%*	1,008,645	*11%*
OPERATING EXPENSES	525,807	*6.1%*	434,037	*91,770*	*21%*	*115%*	455,450	*5%*
MAINTENANCE	240,497	*2.8%*	218,652	*21,846*	*10%*	*119%*	202,700	*2%*
FACILITIES	600,904	*7.0%*	613,535	*(12,630)*	*-2%*	*83%*	725,795	*8%*
GEN. & ADMIN.	479,869	*5.6%*	601,992	*(122,124)*	*-20%*	*102%*	468,194	*5%*
TOTAL OPERATING EXPENSES	**$ 8,640,450**	***100%***	**$ 8,714,891**	**$ (74,440)**	***-1%***	***91%***	**$ 9,468,080**	***100%***

EXPENSE COMMENTS

Salaries & Benefits: Less vacant positions than prior year, offset by one time payout/COLA increase
Contract/Prof. Services: Prior year had F&L Study
Gen. & Admin.: Prior year had SWRCB water arrearages write off



EXCLUDING FIRE RECOVERY SURCHARGE

REVENUE BY CATEGORY

	COMPARING AGAINST PRIOR YEAR					COMPARING AGAINST BUDGET		
DESCRIPTION	**ACTUALS**	**% OF TOTAL**	**PRIOR YEAR**	***$ Diff.***	***% Diff.***	**Act. % of Budget**	**ANNUAL BUDGET**	***% of Annual***
WATER USAGE	$ 7,272,549	*65.6%*	$ 7,675,540	*$ (402,991)*	*-5%*	*88%*	$ 8,231,131	*68%*
BASIC CHARGES	3,546,922	*32.0%*	3,474,548	*72,374*	*2%*	*100%*	3,536,400	*29%*
FIRE RECOVERY SURCHARGE								
METERS, PENALTIES & OTHER	88,600	*0.8%*	103,022	*(14,422)*	*-14%*	*64%*	137,560	*1%*
SEWER CHARGES	173,020	*1.6%*	173,034	*(14)*	*0%*	*100%*	173,021	*1%*
TOTAL OPERATING REVENUE	**$ 11,081,091**	***100.0%***	**$ 11,426,143**	***$ (345,053)***	***-3%***	***92%***	**$ 12,078,112**	***100%***

OPERATING ANALYSIS - YTD TREND FY22-23

PRELIMINARY NUMBERS - SUBJECT TO CHANGE FOR YEAR END ENTRIES

REVENUE BY CATEGORY

DESCRIPTION	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	YTD	BUDGET	% OF BUD.
WATER USAGE	368,523	799,034	809,756	640,360	559,653	544,889	561,392	344,757	485,829	511,824	563,352	1,083,182	7,272,549	8,231,131	88%
BASIC CHARGES	295,512	295,459	295,451	295,440	295,437	295,593	295,964	295,692	295,840	295,358	295,484	295,692	3,546,922	3,536,400	100%
FIRE RECOVERY SURCHARGE	82,330	82,342	82,292	82,384	82,434	82,541	82,577	82,709	82,323	82,463	82,389	82,464	989,249	1,000,000	99%
METERS, PENALTIES & OTHER	3,440	6,710	7,355	7,860	7,160	8,235	8,920	7,810	7,700	8,120	6,900	8,390	88,600	137,560	64%
SEWER CHARGES	14,418	14,418	14,418	14,418	14,418	14,418	14,418	14,418	14,418	14,418	14,418	14,418	173,020	173,021	100%
TOTAL OPERATING REVENUE	**764,223**	**1,197,963**	**1,209,272**	**1,040,463**	**959,103**	**945,676**	**963,270**	**745,386**	**886,111**	**912,184**	**962,542**	**1,484,146**	**12,070,339**	**13,078,112**	**92%**

EXPENSES BY CATEGORY

DESCRIPTION	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	YTD	BUDGET	% OF BUD.
SALARY & BENEFITS	831,329	392,196	370,005	363,354	514,399	374,596	411,221	406,959	401,170	405,752	567,396	688,639	5,727,017	6,607,296	87%
CONTRACT/PROF. SERVICES	34,175	21,055	62,002	150,501	106,485	71,068	66,730	86,149	124,468	60,066	87,158	196,497	1,066,356	1,008,645	106%
OPERATING EXPENSES	24,286	33,282	36,911	31,435	18,151	55,435	94,980	61,213	55,181	25,620	29,454	59,858	525,807	455,450	115%
MAINTENANCE	9,401	12,116	28,789	4,521	15,379	30,942	17,980	21,909	21,148	19,848	20,518	37,947	240,497	202,700	119%
FACILITIES	13,196	35,343	62,518	75,678	67,858	55,428	51,587	44,253	36,424	40,997	74,438	43,185	600,904	725,795	83%
GEN. & ADMIN.	258,990	13,565	20,520	27,445	20,027	19,158	16,130	15,055	21,108	24,846	15,110	27,914	479,869	468,194	102%
TOTAL OPERATING EXPENSES	**1,171,378**	**507,558**	**580,745**	**652,934**	**742,298**	**606,627**	**658,628**	**635,539**	**659,500**	**577,130**	**794,074**	**1,054,041**	**8,640,450**	**9,468,080**	**91%**
OPERATING INCOME (LOSS)	**(407,154)**	**690,405**	**628,527**	**387,528**	**216,805**	**339,049**	**304,642**	**109,848**	**226,611**	**335,054**	**168,468**	**430,105**	**3,429,889**	**3,610,032**	**95%**

OPERATING MARGIN	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	YTD	BUDGET
OPERATING REVENUE	764,223	1,197,963	1,209,272	1,040,463	959,103	945,676	963,270	745,386	886,111	912,184	962,542	1,484,146	12,070,339	***13,078,112***
OPERATING INCOME	(407,154)	690,405	628,527	387,528	216,805	339,049	304,642	109,848	226,611	335,054	168,468	430,105	3,429,889	***3,610,032***
OPERATING MARGIN	***(0.53)***	***0.58***	***0.52***	***0.37***	***0.23***	***0.36***	***0.32***	***0.15***	***0.26***	***0.37***	***0.18***	***0.29***	***0.28***	***0.28***

OPERATING INCOME (LOSS) EXCLUDING FIRE RECOVERY SURCHARGE	***(489,484)***	***608,064***	***546,235***	***305,144***	***134,371***	***256,508***	***222,066***	***27,139***	***144,288***	***252,590***	***86,080***	***347,641***	***2,440,641***	***2,610,032***	**94%**

COMMENTS

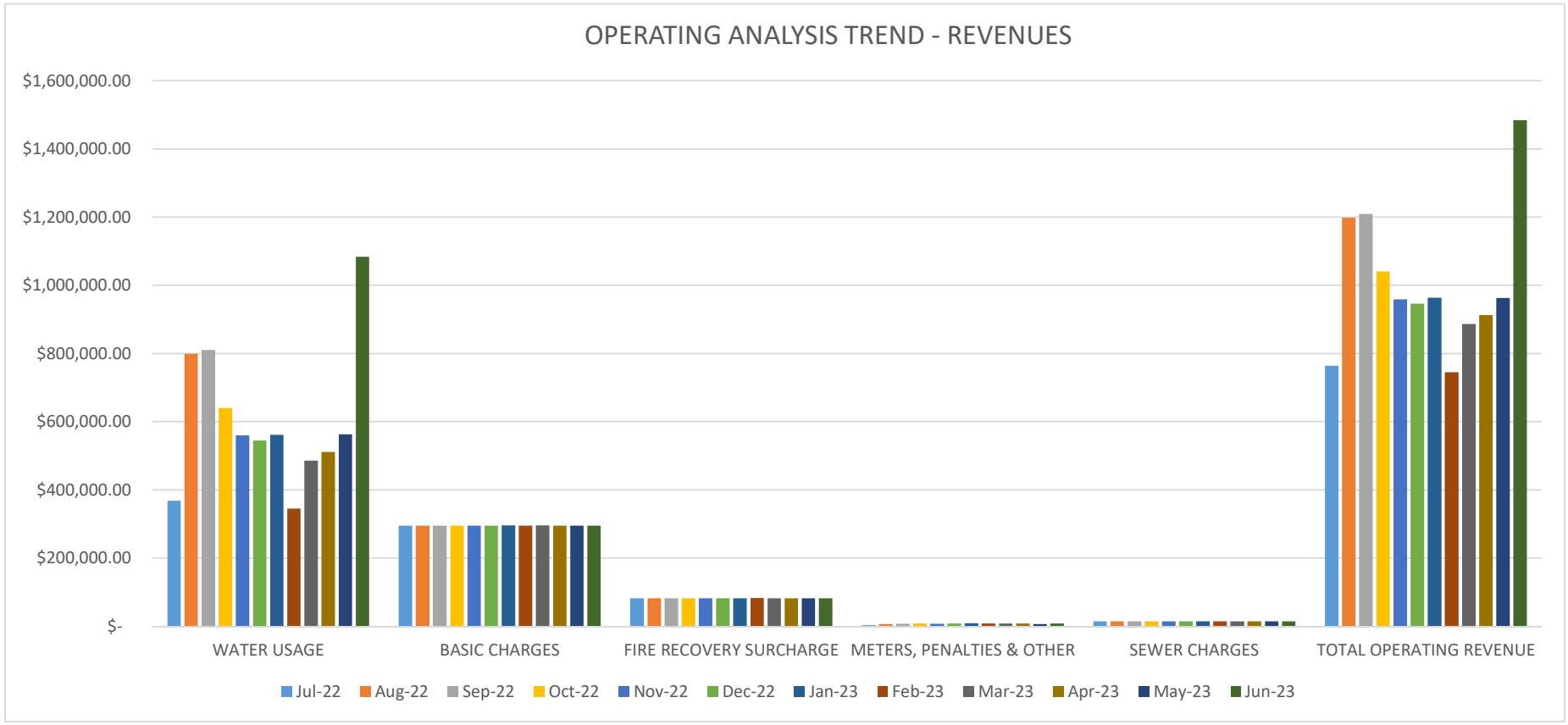
REVENUE/EXPENSES:

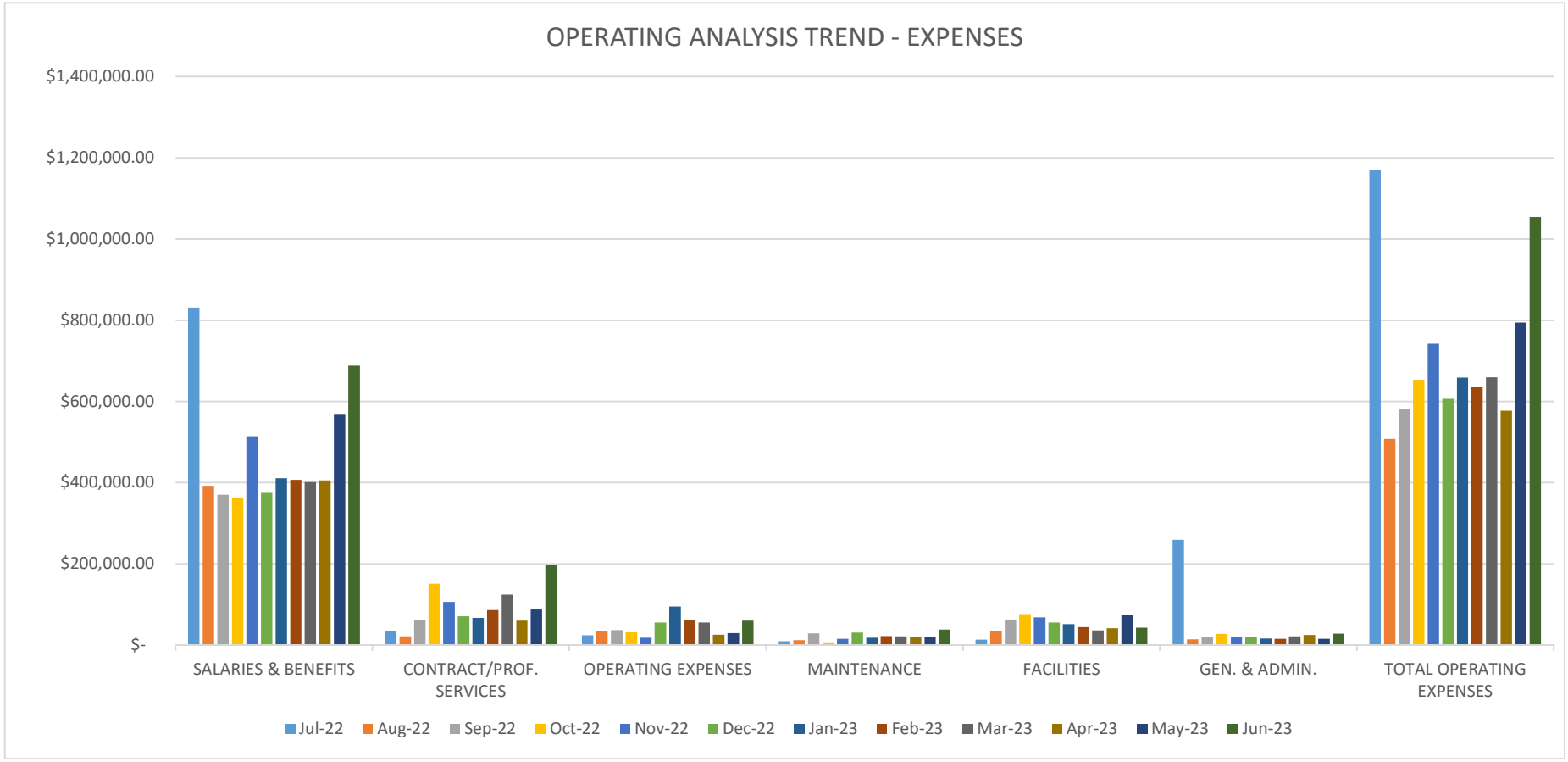
Please refer to the current month analysis for any further detail on revenue or expenses.

GENERAL/PROCESS:

There are annual/one-time expenses paid upfront that could cause individual months to appear skewed or accrual based accounting that will impact June/July more so. An example of this would be some insurances are paid in July, this causes July expenses to appear higher than other months. The District operates on an annual budget and performs accrual based accounting procedures for a hard year end close, this is typical for governmental accounting.

Data is continuously being reviewed, so it is not un-common for a prior report balance to change slightly throughout the year as accounts are reconciled.


OPERATING ANALYSIS TREND - REVENUES
$1,600,000.00
$1,400,000.00
$1,200,000.00
$1,000,000.00
$800,000.00
$600,000.00
$400,000.00
$200,000.00
$-
WATER USAGE
BASIC CHARGES
FIRE RECOVERY SURCHARGE
METERS, PENALTIES & OTHER
SEWER CHARGES
TOTAL OPERATING REVENUE
Jul-22
Aug-22
Sep-22
Oct-22
Nov-22
Dec-22
Jan-23
Feb-23
Mar-23
Apr-23
May-23
Jun-23


OPERATING ANALYSIS TREND - EXPENSES
$1,400,000.00
$1,200,000.00
$1,000,000.00
$800,000.00
$600,000.00
$400,000.00
$200,000.00
$-
SALARIES & BENEFITS
CONTRACT/PROF. SERVICES
OPERATING EXPENSES
MAINTENANCE
FACILITIES
GEN. & ADMIN.
TOTAL OPERATING EXPENSES
Jul-22
Aug-22
Sep-22
Oct-22
Nov-22
Dec-22
Jan-23
Feb-23
Mar-23
Apr-23
May-23
Jun-23

OPERATING EXPENSE ANALYSIS - Q4 & YTD

YEAR-END ENTRIES ARE STILL OCCURING, NUMBERS LIKELY TO CHANGE

DETAILED EXPENSES BY DEPARTMENT

ADMINISTRATIVE	Q4 CY ACTUALS	Q4 % of Budget	YTD ACTUALS	YTD % of Budget	ANNUAL BUDGET	*ACTUAL vs. BUDGET*
SALARIES & BENEFITS	$ 156,306.93	20%	$ 601,904	76%	$ 795,921	$ *(194,017)*
CONTRACT/PROFESSIONAL SERVICES	$ 149,612.64	43%	$ 353,749	101%	$ 349,899	$ *3,850*
OPERATING EXPENSES	$ 4,353.63	67%	$ 16,626	256%	$ 6,500	$ *10,126*
MAINTENANCE	$ 13,489.06	72%	$ 28,610	153%	$ 18,704	$ *9,906*
FACILITIES	$ 6,712.38	26%	$ 21,230	82%	$ 26,013	$ *(4,783)*
GEN. & ADMIN.	$ 10,136.58	4%	$ 285,686	106%	$ 270,300	$ *15,386*
DEPRECIATION	$ -	0%	$ -	0%	$ -	$ -
CAPITALIZED OVERHEAD	$ -	0%	$ -	0%	$ (355)	$ *355*
TOTAL ADMINISTRATIVE	**$ 340,611.22**	**23%**	**$ 1,307,806**	**89%**	**$ 1,466,984**	***$ (159,177)***

FINANCE	Q4 CY ACTUALS	Q4 % of Budget	YTD ACTUALS	YTD % of Budget	ANNUAL BUDGET	*ACTUAL vs. BUDGET*
SALARIES & BENEFITS	$ 367,194.83	29%	$ 1,055,886	82%	$ 1,287,052	$ *(231,166)*
CONTRACT/PROFESSIONAL SERVICES	$ 16,082.81	10%	$ 167,510	107%	$ 157,104	$ *10,406*
OPERATING EXPENSES	$ 4,118.37	101%	$ 8,173	200%	$ 4,082	$ *4,091*
MAINTENANCE	$ 5,748.51	56%	$ 14,761	143%	$ 10,313	$ *4,448*
FACILITIES	$ 359.31	29%	$ 1,947	159%	$ 1,227	$ *720*
GEN. & ADMIN.	$ 48,044.26	30%	$ 175,433	108%	$ 162,851	$ *12,583*
DEPRECIATION	$ -	0%	$ -	0%	$ -	$ -
TOTAL FINANCE	**$ 441,548.09**	**27%**	**$ 1,423,710**	**88%**	**$ 1,622,630**	***$ (198,919)***

ENGINEERING	Q4 CY ACTUALS	Q4 % of Budget	YTD ACTUALS	YTD % of Budget	ANNUAL BUDGET	*ACTUAL vs. BUDGET*
SALARIES & BENEFITS	$ 173,936.19	42%	$ 460,065	110%	$ 419,051	$ *41,014*
CONTRACT/PROFESSIONAL SERVICES	$ 3,106.74	12%	$ 58,768	235%	$ 25,000	$ *33,768*
OPERATING EXPENSES	$ 3,084.85	308%	$ 3,149	315%	$ 1,000	$ *2,149*
MAINTENANCE	$ 1,735.91	87%	$ 6,808	340%	$ 2,000	$ *4,808*
FACILITIES	$ 905.19	106%	$ 1,782	210%	$ 850	$ *932*
GEN. & ADMIN.	$ 558.45	10%	$ 2,715	49%	$ 5,500	$ *(2,785)*
DEPRECIATION	$ -	0%	$ -	0%	$ -	$ -
TOTAL ENGINEERING	**$ 183,327.33**	**40%**	**$ 533,286**	**118%**	**$ 453,401**	***$ 79,885***

DISTRIBUTION	Q4 CY ACTUALS	Q4 % of Budget	YTD ACTUALS	YTD % of Budget	ANNUAL BUDGET	*ACTUAL vs. BUDGET*
SALARIES & BENEFITS	$ 512,035.79	26%	$ 1,915,500	98%	$ 1,952,452	$ *(36,952)*
CONTRACT/PROFESSIONAL SERVICES	$ 32,165.36	40%	$ 135,226	167%	$ 81,156	$ *54,070*
OPERATING EXPENSES	$ 35,218.72	17%	$ 155,499	76%	$ 204,000	$ *(48,501)*
MAINTENANCE	$ 31,276.69	30%	$ 118,347	112%	$ 106,000	$ *12,347*
FACILITIES	$ 65,398.48	27%	$ 222,577	91%	$ 244,255	$ *(21,678)*
GEN. & ADMIN.	$ 873.68	12%	$ 2,596	35%	$ 7,403	$ *(4,807)*
DEPRECIATION	$ -	0%	$ -	0%	$ -	$ -
TOTAL DISTRIBUTION	**$ 676,968.72**	**26%**	**$ 2,549,745**	**98%**	**$ 2,595,209**	***$ (45,520)***

DETAILED EXPENSES BY DEPARTMENT *(continued)*

WATERSHED	Q4 CY ACTUALS	Q4 % of Budget	YTD ACTUALS	YTD % of Budget	ANNUAL BUDGET	*ACTUAL vs. BUDGET*
SALARIES & BENEFITS	$ 73,697.85	53%	$ 198,642	142%	$ 140,123	*$ 58,519*
CONTRACT/PROFESSIONAL SERVICES	$ 82,935.42	48%	$ 167,447	97%	$ 172,000	*$ (4,553)*
OPERATING EXPENSES	$ -	0%	$ 3,871	221%	$ 1,750	*$ 2,121*
MAINTENANCE	$ 136.24	2%	$ 959	17%	$ 5,500	*$ (4,541)*
FACILITIES	$ 267.05	0%	$ 831	0%	$ -	*$ 831*
GEN. & ADMIN.	$ 1,869.80	13%	$ 5,670	40%	$ 14,350	*$ (8,680)*
TOTAL WATERSHED	**$ 158,906.36**	**48%**	**$ 377,419**	**113%**	**$ 333,723**	***$ 43,696***

SUPPLY & TREATMENT	Q4 CY ACTUALS	Q4 % of Budget	YTD ACTUALS	YTD % of Budget	ANNUAL BUDGET	*ACTUAL vs. BUDGET*
SALARIES & BENEFITS	$ 377,389.77	19%	$ 1,459,094	73%	$ 1,993,876	*$ (534,781)*
CONTRACT/PROFESSIONAL SERVICES	$ 42,152.60	25%	$ 122,583	72%	$ 170,000	*$ (47,417)*
OPERATING EXPENSES	$ 64,718.68	31%	$ 307,974	147%	$ 209,950	*$ 98,024*
MAINTENANCE	$ 25,926.86	45%	$ 71,012	122%	$ 58,188	*$ 12,824*
FACILITIES	$ 82,683.82	19%	$ 345,080	79%	$ 439,438	*$ (94,357)*
GEN. & ADMIN.	$ 6,387.94	92%	$ 7,768	112%	$ 6,951	*$ 817*
TOTAL SUPPLY & TREATMENT	**$ 599,259.67**	**21%**	**$ 2,313,512**	**80%**	**$ 2,878,402**	***$ (564,891)***

WASTEWATER	Q4 CY ACTUALS	Q4 % of Budget	YTD ACTUALS	YTD % of Budget	ANNUAL BUDGET	*ACTUAL vs. BUDGET*
SALARIES & BENEFITS	$ 1,225.35	8%	$ 35,925	225%	$ 16,000	*$ 19,925*
CONTRACT/PROFESSIONAL SERVICES	$ 15,645.69	28%	$ 59,052	105%	$ 56,307	*$ 2,746*
OPERATING EXPENSES	$ 1,737.76	6%	$ 26,414	94%	$ 28,168	*$ (1,754)*
MAINTENANCE	$ -	0%	$ -	0%	$ 1,583	*$ (1,583)*
FACILITIES	$ 2,293.19	17%	$ 7,457	54%	$ 13,862	*$ (6,404)*
GEN. & ADMIN.	$ -	0%	$ -	0%	$ 1,353	*$ (1,353)*
TOTAL WASTEWATER	**$ 20,901.99**	**18%**	**$ 128,849**	**110%**	**$ 117,271**	***$ 11,577***

TOTAL OPERATING EXPENSES	**$ 2,421,523.38**	**26%**	**$ 8,634,327**	**91%**	**$ 9,467,620**	***$ (833,349)***

PRO FORMA FOR AUDIT:

OVERHEAD ABSORBTION [1]	$ (26,620.21)	$ (154,253.95)

[1] Overhead absorbtion are the direct and indirect capitalized costs associated with an asset the District did internally. For example, a capital pipeline project was constructed by District staff and materials versus hiring an outside contractor. The employees salaries and benefits are considered part of the operating expenses, but then are capitalized as part of the accounting process. These will show up as a favorable off-set for operating expenses in the audit.

FIRE RECOVERY SURCHARGE
REVENUE & EXPENSE TRACKING

	PRIOR YEAR REVENUE THRU 06/30/22	FY2223 Q1 TOTALS	FY2223 Q2 TOTALS	FY2223 Q3 TOTALS	FY2223 Q4 TOTALS	FY22-23 YTD	TOTAL FIRE RECOVERY SURCHARGE BILLED TO DATE
REVENUE							
FIRE RECOVERY SURCHARGE	$ 904,312.91	$ 246,963.74	$ 247,359.65	$ 247,608.97	$ 247,316.22	$ 989,248.58	$ 1,893,561.49
TOTAL REVENUE		**$ 246,963.74**	**$ 247,359.65**	**$ 247,608.97**	**$ 247,316.22**	**$ 989,248.58**	**$ 1,893,561.49**

EXPENSES	PRIOR YEAR EXPENSES THRU 06/30/22	FY2223 Q1 TOTALS	FY2223 Q2 TOTALS	FY2223 Q3 TOTALS	FY2223 Q4 TOTALS	FY22-23 YTD	TOTAL PROJECT COST TO DATE	TOTAL SUBMITTED TO FEMA TO DATE [1]	TOTAL RECEIVED FROM FEMA TO DATE [2]	SURCHARGE ALLOCATION [TOTAL PROJECT COST - TOTAL RECEIVED FROM FEMA]
WO 1960 - CZU_PEAVINE INTAKE	$ (16,709.45)	$ -	$ (505.10)	$ (1,230.68)	$ (32,143.39)	$ (33,879.17)	$ (50,588.62)	$ 13,048.16	$ -	$ (50,588.62)
WO 1924 - CZU_BIG STEEL TANK	$ (799,569.42)	$ -	$ -	$ -	$ -	$ -	$ (799,569.42)	$ 415,379.62	$ 109,310.17	$ (690,259.25)
WO 1925 - CZU_BIG STEEL BOOSTER	$ (716,193.28)	$ -	$ -	$ -	$ -	$ -	$ (716,193.28)	$ 201,057.20	$ 11,510.57	$ (704,682.71)
WO 1967 - CZU_LIL LYON TANK CLEANING&COATING	$ (345,270.01)	$ -	$ -	$ -	$ -	$ -	$ (345,270.01)	$ -	$ -	$ (345,270.01)
WO 1970 - CZU_LITTLE LYON TEMPORARY TANKS	$ (220,023.54)	$ -	$ -	$ -	$ -	$ -	$ (220,023.54)	$ 231,900.57	$ 55,820.61	$ (164,202.93)
WO 1919 - CZU_BENNETT SPRING RAW WATER LINE	$ (17,819.67)	$ -	$ -	$ -	$ -	$ -	$ (17,819.67)	$ 9,411.53	$ 910.92	$ (16,908.75)
WO 2077 - CZU_5 MILE BOX & TURBIDITY STATION	$ (40,195.20)	$ (168.37)	$ -	$ (1,060.69)	$ (921.20)	$ (2,150.26)	$ (42,345.46)	$ 40,195.20	$ -	$ (42,345.46)
WO 1923 - CZU_ECKLEY TANK ZONE	$ (29,049.83)	$ -	$ -	$ -	$ -	$ -	$ (29,049.83)	$ 23,532.47	$ 23,235.27	$ (5,814.56)
WO 1953 - CZU_HARMON STREET 2"	$ (75,412.42)	$ (166.25)	$ (2,822.50)	$ (1,003.92)	$ (86.69)	$ (4,079.36)	$ (79,491.78)	$ 2,193.08	$ 2,193.08	$ (77,298.70)
WO 1962 - CZU_CLEAR CREEK/SWEETWATER INTAKE	$ (367.33)	$ -	$ -	$ -	$ -	$ -	$ (367.33)	$ -	$ -	$ (367.33)
WO 1921 - CZU_ALTA VIA RD 4" HDPE MAIN	$ (160,116.94)	$ (840.00)	$ (6,851.78)	$ (223,661.67)	$ (695,433.64)	$ (926,787.09)	$ (1,086,904.03)	$ 90,986.70	$ 90,633.30	$ (996,270.73)
WO 1920 - CZU_SOUTH RESERVOIR 4 HDPE TANKS	$ (16,048.15)	$ -	$ (84.18)	$ -	$ -	$ (84.18)	$ (16,132.33)	$ 16,835.38	$ 16,732.72	$ 600.39
WO 1922 - CZU_BLACKSTONE TANKS	$ (29,049.83)	$ -	$ -	$ -	$ -	$ -	$ (29,049.83)	$ 6,111.03	$ 1,817.40	$ (27,232.43)
WO 1926 - CZU_LYON TANK	$ (176,162.78)	$ -	$ -	$ -	$ -	$ -	$ (176,162.78)	$ 21,731.92	$ 21,304.11	$ (154,858.67)
WO 1927 - CZU_FOREMAN CREEK INTAKE/RAW WATER	$ (719,049.90)	$ (493.05)	$ (908.47)	$ (7,953.63)	$ (12,257.81)	$ (21,612.96)	$ (740,662.86)	$ 125,292.25	$ -	$ (740,662.86)
WO 1928 - CZU_COOL CREEK INTAKE & PIPING	$ -	$ -	$ (94.70)	$ -	$ -	$ (94.70)	$ (94.70)	$ -	$ -	$ (94.70)
WO 1930 - CZU_FIVE MILE PIPELINE	$ (90,297.37)	$ (84.18)	$ (257.31)	$ -	$ -	$ (341.49)	$ (90,638.86)	$ -	$ -	$ (90,638.86)
WO 1963 - CZU_RIVERSIDE GROVE BOOSTER STATIO	$ (38,327.88)	$ -	$ -	$ -	$ -	$ -	$ (38,327.88)	$ 27,349.63	$ 27,270.52	$ (11,057.36)
WO 1964 - CZU_CZU SERVICE METER REPLACEMENT	$ (151,272.02)	$ -	$ -	$ -	$ -	$ -	$ (151,272.02)	$ -	$ -	$ (151,272.02)
WO 1966 - CZU_LYON TANK CLEANING & COATING	$ (98,679.14)	$ -	$ -	$ -	$ -	$ -	$ (98,679.14)	$ -	$ -	$ (98,679.14)
WO 1968 - CZU_WATER QUALITY SAMPLING	$ (130,974.12)	$ -	$ -	$ -	$ -	$ -	$ (130,974.12)	$ 93,357.98	$ 91,865.73	$ (39,108.39)
WO 2053 - CZU_ALDER TANK	$ (5,830.71)	$ -	$ -	$ -	$ -	$ -	$ (5,830.71)	$ 6,561.01	$ 5,904.91	$ 74.20
WO 2068 - CZU_HARMON CREEK DREDGE & EROSION	$ (97,209.83)	$ -	$ -	$ -	$ -	$ -	$ (97,209.83)	$ 19,246.58	$ -	$ (97,209.83)
WO 1946 - CZU_PINE TANK	$ (696.00)	$ -	$ -	$ -	$ -	$ -	$ (696.00)	$ 1,501.59	$ 1,351.43	$ 655.43
WO 1969 - CZU_EMERGENCY RESPONSE MAIN BREAKS	$ (6,463.05)	$ -	$ -	$ -	$ -	$ -	$ (6,463.05)	$ 2,398.01	$ 2,398.01	$ (4,065.04)
WO 1939 - CZU_STAFF MEALS	$ (8,783.55)	$ -	$ -	$ -	$ -	$ -	$ (8,783.55)	$ 8,783.55	$ 8,737.53	$ (46.02)
CZU EMERGENCY ENGINEERING SERVICES	$ (4,935.00)	$ -	$ -	$ -	$ -	$ -	$ (4,935.00)	$ 4,935.00	$ 4,811.63	$ (123.37)
TOTAL CZU EXPENSES	**$ (3,994,506.41)**	**$ (1,751.85)**	**$ (11,524.04)**	**$ (234,910.59)**	**$ (740,842.73)**	**$ (989,029.21)**	**$ (4,983,535.62)**	**$ 1,361,808.46**	**$ 475,807.91**	**$ (4,507,727.72)**
									TOTAL FIRE RECOVERY SURCHARGE RECEIVED TO DATE	**$ 1,893,561.49**
									NET COST TO DISTRICT	**$ (2,614,166.23)**

FEMA REIMBURSEMENT CHECKS		
Check #	**Amount**	**Date Received**
Check #61-230569	$ 6,639.00	4/6/2022
Check #61-244300	$ 26,559.17	4/7/2022
Check #61-837325	$ 240,319.01	6/23/2022
Check #61-837318	$ 1,328.76	6/23/2022
Check #63-243001	$ 185,503.37	12/28/2022
Check #63-272065	$ 15,458.61	12/28/2022
	$ 475,807.92	

[1] AMOUNT SUBMITTED TO FEMA MAY DIFFER FROM TOTAL PROJECT COST DUE TO ELIGIBLE COSTS, DIFFERENCE IN FEMA OVERHEAD RATES, EQUIPMENT COSTS, ETC. ANOTHER REASON IS NOT ALL INVOICES HAVE BEEN SUBMITTED TO FEMA YET
[2] AMOUNT RECEIVED FROM FEMA MAY DIFFER FROM AMOUNT SUBMITTED TO FEMA DUE TO COST SHARE PERCENTAGE COVERED BY FEMA (MOST PROJECTS THEY ONLY COVER 75%)

2019 COP $14.5 Project Tracking

In 2019, the District identified the projects for the $14.5M COP. This the tracking of those expenditures. The initial funds were deposited into the Santa Cruz County Investment Pool and are reimbursed back to the regular District account as the expenses are incurred. These could be reviewed at some point, so it is important to retain these documents for an extended period of time. Please note these are the reimbursements for costs incurred but may not be reflective of the entire project cost for fixed asset purposes. Interest earned does not need to remain with the project, but will require direction from the DM for how we want to treat it.

PROJECTS	PROJECT TYPE	ORIGINAL PROJECT COST PER LOAN AGREEMENT	FY2122	FY2223 Q1 TOTALS	FY2223 Q2 TOTALS	FY2223 Q3 TOTALS	FY2223 Q4 TOTALS	FY22-23 TOTALS YTD	TOTAL PROJECT COST TO DATE	FUNDS REMAINING
WO 1208 - LEWIS TANK	CIP	$ 1,142,500	$ 1,161,837.17	$ -	$ -	$ -	$ -	$ -	$ 1,161,837.17	$ (19,337.17)
WO 1209 - MADRONE TANK	CIP	$ 891,250	$ 951,831.14	$ -	$ -	$ -	$ -	$ -	$ 951,831.14	$ (60,581.14)
WO 1210 - KASKI TANK	CIP	$ 687,500	$ 899,201.55	$ -	$ -	$ -	$ -	$ -	$ 899,201.55	$ (211,701.55)
WO 845 - REDWOOD PARK TANK PROJECT	CIP	$ 1,500,000	$ 68,015.22	$ 252.55	$ 1,262.76	$ 793.82	$ 497,227.08	$ 499,536.21	$ 567,551.43	$ 932,448.57
WO 1234 - LYON PIPELINE PROJECT	CIP	$ 3,504,640	$ 212,029.12	$ -	$ 1,010.20	$ 6,200.11	$ 80,850.44	$ 88,060.75	$ 300,089.87	$ 3,204,550.13
WO 1235 - SEQUOIA AVE PIPELINE PROJECT	CIP	$ 197,120	$ 21,046.22	$ -	$ -	$ -	$ -	$ -	$ 21,046.22	$ 176,073.78
WO 1284 - CALIFORNIA DRIVE PIPELINE PROJECT	CIP	$ 1,090,957	$ 706,049.43	$ -	$ -	$ -	$ -	$ -	$ 706,049.43	$ 384,907.57
WO 1286 - HILLSIDE DRIVE PIPELINE PROJECT	CIP	$ 546,560	$ 787,510.94	$ -	$ -	$ -	$ -	$ -	$ 787,510.94	$ (240,950.94)
WO 1604 - QUAIL HOLLOW PIPELINE PROJECT	CIP	$ 5,060,411	$ 1,021,432.43	$ 81,487.99	$ 1,770,076.60	$ 21,534.38	$ 163,976.49	$ 2,037,075.45	$ 3,058,507.89	$ 2,001,903.11
WO 1738 - FALL CREEK FISH LADDER*	CIP	$ 1,300,000	$ -	$ -	$ -	$ -	$ 38,880.70	$ 38,880.70	$ 38,880.70	$ 1,261,119.30
TOTAL EXPENDITURES		**$ 15,920,938**	**$ 5,828,953**	**$ 81,741**	**$ 1,772,350**	**$ 28,528**	**$ 780,935**	**$ 2,663,553**	**$ 8,492,506**	**$ 7,428,432**

**Fall Creek Fish Ladder Project was added under Resolution No. 14 (21-22) signed March 17th, 2022. The resolution designated $1.3M towards the Fish Ladder Project. Prior to the addition of this project to the COP Loan in March of 2022, the project had accrued ~$591K in expenses. Total Cost to Date for this project will not reflect everything prior to the resolution in order to show how much is remaining in the loan funds. Additionally, this project is covered by a $1.1M grant so the invoices covered by the grant will not be reflected in the total project cost as well.*

2021 $15M CoBank Loan Quarterly Project Tracking

In 2021, the District identified the projects for the $15M loan, this was a private placement with CoBank. This is the tracking of those expenditures. The initial funds were deposited into the Santa Cruz County Investment Pool and are reimbursed back to the regular District account as the expenses are incurred. There was an initial reimbursement resolution covering expenditures paid from Oct 2020 thru close. This loan will require quarterly and annual financial reporting. These expenditures could be reviewed at some point, so it is important to retain these documents for an extended period of time. Please note these are the reimbursements for costs incurred but may not be reflective of the entire project cost for fixed asset purposes. Interest earned does not need to remain with the project, but will require direction from the DM for how we want to treat it.

PROJECTS	PROJECT TYPE	ORIGINAL PROJECT COST PER LOAN AGREEMENT	FY2122 BALANCES	FY2223 Q1 TOTALS	FY2223 Q2 TOTALS	FY2223 Q3 TOTALS	FY2223 Q4 TOTALS	FY22-23 TOTALS YTD	TOTAL PROJECT COST TO DATE	FUNDS REMAINING
Peavine Supply	FEMA	$ 1,725,000.00	$ 16,709.45	$ -	$ 505.10	$ 1,230.68	$ 32,143.39	$ 33,879.17	$ 50,588.62	$ 1,674,411.38
Big Steel Tank/Zone Piping	FEMA	$ 2,595,000.00	$ 1,140,890.09	$ -	$ -	$ -	$ -	$ -	$ 1,140,890.09	$ 1,454,109.91
Little Lyon Tank	FEMA	$ 670,000.00	$ 160,882.50	$ -	$ -	$ -	$ -	$ -	$ 160,882.50	$ 509,117.50
Bennett Spring Supply /Transmission Main	FEMA	$ 400,000.00	$ 22,319.64	$ -	$ -	$ -	$ -	$ -	$ 22,319.64	$ 377,680.36
Five Mile Box & Turbidity Station	FEMA	$ 395,000.00	$ 40,195.20	$ 168.37	$ -	$ 1,060.69	$ 921.20	$ 2,150.26	$ 42,345.46	$ 352,654.54
Eckley Pumping Station	FEMA	$ 145,000.00	$ 239,632.48	$ 166.25	$ 3,235.00	$ 16,917.50	$ -	$ 20,318.75	$ 259,951.23	$ (114,951.23)
Harmon Street 2" Main	FEMA	$ 130,000.00	$ 71,263.39	$ 166.25	$ 2,822.50	$ 1,003.92	$ 86.69	$ 4,079.36	$ 75,342.75	$ 54,657.25
Sweetwater Supply Line	FEMA	$ 1,700,000.00	$ 367.33	$ -	$ -	$ -	$ -	$ -	$ 367.33	$ 1,699,632.67
Alta Via Distribution System Piping	FEMA	$ 835,000.00	$ 148,158.57	$ 840.00	$ 6,851.78	$ 223,661.67	$ 685,034.89	$ 916,388.34	$ 1,064,546.91	$ (229,546.91)
South Zone Distribution System Piping	FEMA	$ 650,000.00	$ 1,126.28	$ -	$ 84.18	$ -	$ -	$ 84.18	$ 1,210.46	$ 648,789.54
Blue Ridge Tank Replacement	CIP	$ 975,000.00	$ 68,927.65	$ 16,255.02	$ 15,724.32	$ 4,939.67	$ 110,569.29	$ 147,488.31	$ 216,415.96	$ 758,584.04
Orman Road Water Main Replacement	CIP	$ 1,165,000.00	$ 56,083.52	$ 93.50	$ 23.04	$ 1,709.78	$ 91,734.09	$ 93,560.41	$ 149,643.93	$ 1,015,356.07
Hermosa Oak Fernwood Water Main Replacement	CIP	$ 1,685,000.00	$ 58,342.59	$ 654.66	$ 23.04	$ 1,708.08	$ 92,171.02	$ 94,556.80	$ 152,899.39	$ 1,532,100.61
Juanita Woods Water Main Replacement	CIP	$ 1,685,000.00	$ 56,083.51	$ 346.05	$ 191.41	$ 1,971.56	$ 208,490.68	$ 210,999.70	$ 267,083.21	$ 1,417,916.79
Zayante Drive Water Main Replacement	CIP	$ 845,000.00	$ 55,931.49	$ 93.50	$ 191.41	$ 8,424.08	$ 93,332.10	$ 102,041.09	$ 157,972.58	$ 687,027.42
			$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TOTAL EXPENDITURES		**$ 15,600,000.00**	**$ 2,136,913.69**	**$ 18,783.60**	**$ 29,651.79**	**$ 262,627.63**	**$ 1,314,483.35**	**$ 1,625,546.37**	**$ 3,762,460.06**	**$ 11,837,539.94**

Utility Billing
Transactions by Date
LEAK ADJUSTMENT - Q4 FY2223

San Lorenzo Valley WATER DISTRICT
13060 Highway 9
Boulder Creek, CA 95006-9119
(831) 338-2153 Phone
(831) 338-7986 Fax

Account No	Journal Entry Date	Amount Credited	Units Above Average	Consumption Billed	Units Used	Cause of Leak	How Leak Was Detected
016796-000	04/20/2023	$ 88.62	14	$ 272.89	18	SERVICE LINE LEAK	CUSTOMER FOUND
012647-000	04/20/2023	$ 69.63	11	$ 260.23	17	SERVICE LINE LEAK	SLVWD ALERTED CUSTOMER
017498-000	04/20/2023	$ 183.57	29	$ 475.00	34	WATER HEATER LEAK	SLVWD ALERTED CUSTOMER
015228-000	04/20/2023	$ 221.55	58	$ 817.27	61	SERVICE LINE LEAK	CUSTOMER FOUND
014047-000	04/20/2023	$ 151.92	24	$ 462.79	33	TOILET LEAK	CUSTOMER FOUND
014395-000	04/20/2023	$ 50.64	8	$ 196.93	12	TOILET LEAKS	SLVWD ALERTED CUSTOMER
016825-000	04/20/2023	$ 56.97	9	$ 196.93	12	SERVICE LINE LEAK	CUSTOMER FOUND
009962-000	04/20/2023	$ 2,772.54	438	$ 5,608.38	443	SERVICE LINE LEAK	SLVWD ALERTED CUSTOMER
017593-000	04/20/2023	$ 322.83	51	$ 779.29	58	IRRIGATION LEAK	CUSTOMER FOUND
006411-000	04/20/2023	$ 284.85	45	$ 625.03	47	SERVICE LINE LEAK	SLVWD ALERTED CUSTOMER
010398-000	04/20/2023	$ 31.65	5	$ 108.31	5	SERVICE LINE LEAK	SLVWD ALERTED CUSTOMER
008268-000	04/20/2023	$ 3,671.40	580	$ 7,837.94	612	SERVICE LINE LEAK	CUSTOMER FOUND
005271-000	05/18/2023	$ 1,955.97	309	$ 4,020.25	314	SERVICE LINE LEAK	CUSTOMER FOUND
005572-000	05/03/2023	$ 37.98	6	$ 444.50	28	TOILET LEAKING	CUSTOMER FOUND
005790-000	04/12/2023	$ 765.93	121	$ 1,672.52	125	SERVICE LINE LEAK	CUSTOMER FOUND
006146-000	05/03/2023	$ 164.58	26	$ 571.10	38	SERVICE LINE LEAK	SLVWD ALERTED CUSTOMER
006831-000	05/18/2023	$ 240.54	38	$ 806.01	50	SERVICE LINE LEAK	SLVWD ALERTED CUSTOMER
011731-000	05/18/2023	$ 461.47	92	$ 1,298.35	99	SERVICE LINE LEAK	SLVWD ALERTED CUSTOMER
012578-000	05/18/2023	$ 1,778.73	281	$ 3,664.52	284	SERVICE LINE LEAK	SLVWD ALERTED CUSTOMER
013904-000	05/03/2023	$ 1,139.40	180	$ 2,419.46	184	SERVICE LINE LEAK	SLVWD ALERTED CUSTOMER
014462-000	05/18/2023	$ 56.97	9	$ 196.93	12	SERVICE LINE LEAK	SLVWD ALERTED CUSTOMER
014906-000	05/18/2023	$ 468.42	74	$ 1,128.14	82	SERVICE LINE LEAK	SLVWD ALERTED CUSTOMER
016777-000	05/18/2023	$ 126.60	20	$ 126.60	26	WATER HEATER LEAK	SLVWD ALERTED CUSTOMER
017053-000	05/03/2023	$ 107.61	17	$ 260.23	17	COUPLING BROKE	CUSTOMER FOUND
009819-000	05/03/2023	$ 132.93	21	$ 361.51	25	SERVICE LINE LEAK	SLVWD ALERTED CUSTOMER
011004-000	05/03/2023	$ 251.59	47	$ 678.01	50	SERVICE LINE LEAK	SLVWD ALERTED CUSTOMER
011062-000	05/18/2023	$ 259.53	41	$ 259.53	42	SERVICE LINE LEAK	SLVWD ALERTED CUSTOMER
011334-000	05/03/2023	$ 151.92	24	$ 399.49	28	WATER HEATER LEAK	CUSTOMER FOUND
011477-000	05/18/2023	$ 126.60	20	$ 348.85	24	SERVICE LINE LEAK	CUSTOMER FOUND
013463-000	05/03/2023	$ 139.26	22	$ 374.17	26	PIPE BURST	CUSTOMER FOUND
015988-000	05/03/2023	$ 88.62	14	$ 292.58	16	SERVICE LINE LEAK	SLVWD ALERTED CUSTOMER
017139-000	05/18/2023	$ 170.91	27	$ 659.72	45	SERVICE LINE LEAK	SLVWD ALERTED CUSTOMER
017400-000	05/18/2023	$ 48.57	59	$ 1,511.88	99	SERVICE LINE LEAK	SLVWD ALERTED CUSTOMER
006041-000	06/01/2023	$ 158.25	25	$ 462.79	33	SERVICE LINE LEAK	SLVWD ALERTED CUSTOMER
013960-000	06/01/2023	$ 132.93	21	$ 399.49	28	NO IDEA	SLVWD ALERTED CUSTOMER
015111-000	06/01/2023	$ 202.56	32	$ 672.34	46	SERVICE LINE LEAK	SLVWD ALERTED CUSTOMER
008062-000	06/01/2023	$ 120.27	19	$ 374.17	26	SERVICE LINE LEAK STORM RELATED	CUSTOMER FOUND
008099-000	06/01/2023	$ 246.87	39	$ 551.41	40	TREE FELL ON HOME	SLVWD ALERTED CUSTOMER
008334-000	06/01/2023	$ 430.44	68	$ 1,026.86	74	SPRINKLER VALVE BROKEN	SLVWD ALERTED CUSTOMER
008580-000	06/01/2023	$ 189.90	30	$ 652.69	48	SERVICE LINE LEAK	CUSTOMER FOUND
016757-000	06/01/2023	$ 177.24	28	$ 437.47	31	NO EXPLANTION	SLVWD ALERTED CUSTOMER
017396-000	6/1/2023	$ 158.25	25	$ 399.49	28	TREE FELL ON SERVICE LINE	CUSTOMER FOUND
017555-000	06/01/2023	$ 139.26	22	$ 348.85	24	HOSE LEFT ON	SLVWD ALERTED CUSTOMER
010761-000	06/01/2023	$ 1,519.20	240	$ 3,280.34	252	SERVICE LINE LEAK	CUSTOMER FOUND

LEAK Totals **$ 20,055.47**
 # Leak Adj **44**

FY 2223 YTD Totals **$ 64,897.12**
 # Leak Adj **202**

In accordance with District Rules & Regulations, authorizing water bill adjustments, District staff has adjusted the above accounts for the period stated above.

REBATE PROGRAM

BUDGETED AMOUNT FY2223 = $7,500

Q1 ENDING 9/30/2022

Code	Type	# Rebates	Amount
RBDRIPsqft	Drip		
RBHECW	Clothes Washer	1	$ 100.00
RBHWRS	Recirculation System		
RBLAWN	Lawn		
RBT1.6	Toilet 1.6	2	$ 150.00
RBT3.5	Toilet 3.5	3	$ 600.00
RBWBICSI	Irrigation Controller	1	$ 125.00
RBGWLL	Greywater Irrigation		
		7	**$ 975.00**

Q2 ENDING 12/31/2022

Code	Type	# Rebates	Amount
RBDRIPsqft	Drip		
RBHECW	Clothes Washer	4	$ 400.00
RBHWRS	Recirculation System		
RBLAWN	Lawn		
RBT1.6	Toilet 1.6	1	$ 75.00
RBT3.5	Toilet 3.5	5	$ 969.67
RBWBICSI	Irrigation Controller	1	$ 125.00
RBGWLL	Greywater Irrigation		
		11	**$ 1,569.67**

Q3 ENDING 03/31/2023

Code	Type	# Rebates	Amount
RBDRIPsqft	Drip		
RBHECW	Clothes Washer	7	$ 700.00
RBHWRS	Recirculation System		
RBLAWN	Lawn		
RBT1.6	Toilet 1.6	2	$ 150.00
RBT3.5	Toilet 3.5	2	$ 599.99
RBWBICSI	Irrigation Controller		
RBGWLL	Greywater Irrigation		
		11	**$ 1,449.99**

Q4 ENDING 06/30/2023

Code	Type	# Rebates	Amount
RBDRIPsqft	Drip		
RBHECW	Clothes Washer	2	$ 200.00
RBHWRS	Recirculation System		
RBLAWN	Lawn		
RBT1.6	Toilet 1.6		
RBT3.5	Toilet 3.5	1	$ 199.00
RBWBICSI	Irrigation Controller	1	$ 125.00
RBGWLL	Greywater Irrigation		
		4	**$ 524.00**

ANNUAL SUMMARY FY2223

Code	Type	# Rebates	Amount
RBDRIPsqft	Drip	-	$ -
RBHECW	Clothes Washer	14	$ 1,400.00
RBHWRS	Recirculation System	-	$ -
RBLAWN	Lawn	-	$ -
RBT1.6	Toilet 1.6	5	$ 375.00
RBT3.5	Toilet 3.5	11	$ 2,368.66
RBWBICSI	Irrigation Controller	3	$ 375.00
RBGWLL	Greywater Irrigation	-	$ -
		33	**$ 4,518.66**

OTHER EXPENDITURES	AMOUNT
TOILET DISPOSAL	$ 156.00
CONSERVATION DEVICES	$ 450.69
PY FIX	0
OVERALL BALANCE WATER CONSERVATION PROGRAM	**$ 5,125.35**

SAN LORENZO VALLEY WATER DISTRICT

EXPENSES OVER $5,000 NOT BUDGETED
04/01/23-06/30/23

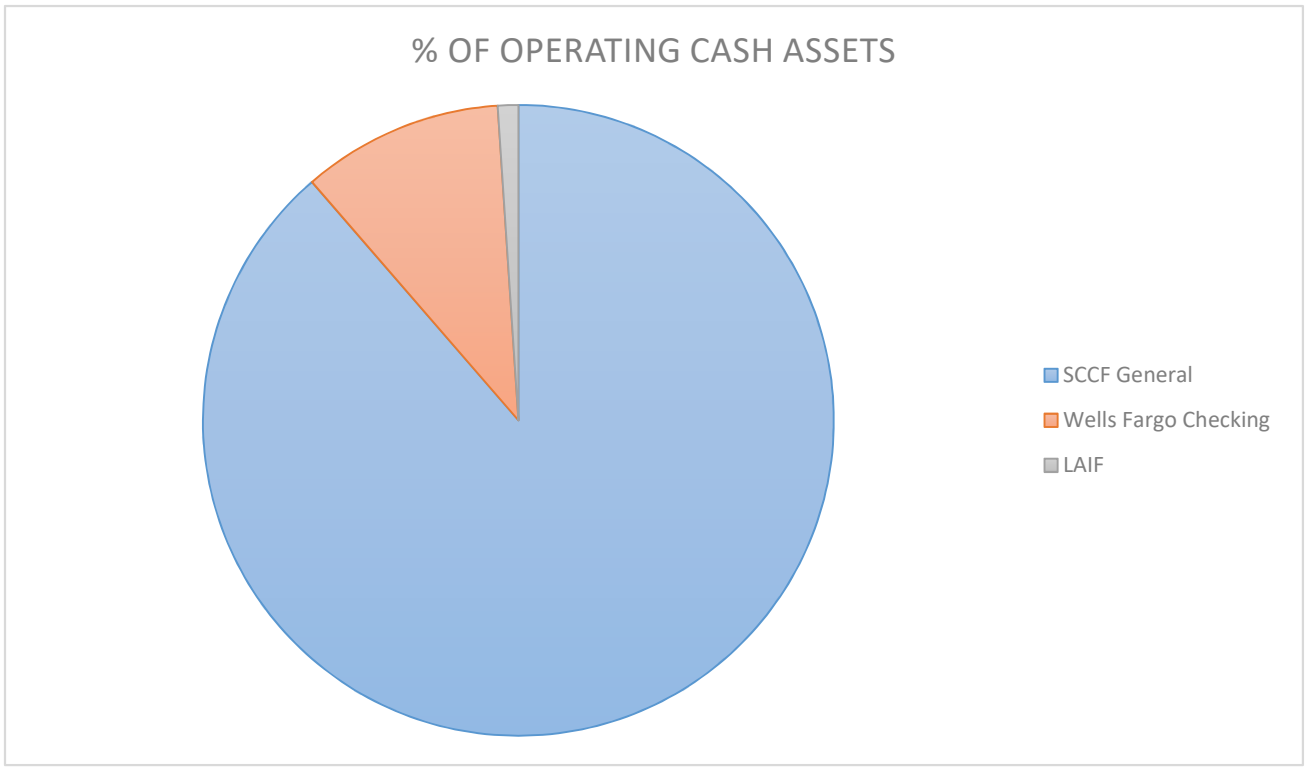
DATE	VENDOR	INVOICE #*	AMOUNT	DESCRIPTION OF WORK
6/16/2023	D&D COMPRESSOR, INC	75515	$ 5,938.41	AIR COMPRESSOR REPAIR
			$ 5,938.41	

** Invoice available upon request*

CASH BALANCES AS OF **6/30/2023**

OPERATING ACCOUNTS	**CASH BALANCE**	***Ave Interest Rate***	**Maturity Date**
Wells Fargo Checking	$ 842,690	*0.25%*	*N/A*
LAIF	$ 85,613	*2.07%*	*N/A*
SCCF General	$ 7,240,620		*N/A*
OPERATING BALANCE	**$ 8,168,923**		
RESTRICTED ACCOUNTS			
SCCF Lompico Assessment District	$ 133,009		*For AD Projects*
SCCF Olympia Assessment District	$ 54,973		*For Debt Repayment*
WF $15M CoBank Loan Proceeds	$ 12,286,373	*4.50%*	*Loan Proceeds*
WF $14.5M COP Proceeds	$ 6,189,604	*4.50%*	*Loan Proceeds*
Watershed Endowment	$ 32,095	*0.25%*	*Watershed maint.*
CB&T Escrow Fund SRF	$ 114,822	*0.13%*	*For Debt Repayment*
CB&T Escrow Fund DOWR	$ 184,559	*0.13%*	*For Debt Repayment*
Fire Recovery Surcharge [(1)]	$ -	*0.25%*	*For CZU Fire Related Expenses*
RESTRICTED BALANCE	**$ 18,995,435**		

(1) See Fire Recovery Surcharge Reconciliation



RESTRICTED - FIRE RECOVERY SURCHARGE RESERVE BALANCE - SUPPLEMENTAL INFORMATION

The following table is for the Fire Recovery Surcharge (FRS) Reserve fund balance and shows how the District is using the funds received from rate payers for the FRS. As shown below, all CZU related expenses, exceeds the amount received for FEMA reimbursements and the FRS, depleting the FRS reserve fund each fiscal year. Any overage in CZU related expenses that are not covered by the FEMA reimbursements and FRS, are paid out of the District's general fund.

Restricted - Fire Recovery Surcharge - Supplemental Information

ITEM #	DESCRIPTION	08/18/2020-06/30/2023	FY23/24 BUDGET	FY24/25 BUDGET	COMMENTS
[1]	CZU RELATED EXPENSES	$ (4,728,406)	$ (7,520,000)	$ (2,545,000)	Capital project or operating expenses directly related to the CZU fires. For an itemized listing of projects and expenses, reference the quarterly Fire Recovery Surcharge report included in the finance status reports.
[2]	TOTAL RECEIVED FROM FEMA	$ 475,808	$ 1,644,063	$ 6,768,000	These are the FEMA Reimbursements based on cash basis accounting to represent cash flow and how it will affect the reserve balance.
[3]	**INITIAL INCREASE (DECREASE) IN RESERVES**	**$ (4,252,598)**	**$ (5,875,937)**	**$ 4,223,000**	This is the initial increase (decrease) to reserves.
[4]	TOTAL FIRE RECOVERY SURCHARGE (FRS) RECEIVED	$ 1,823,884	$ 1,000,000	$ 1,000,000	The amount collected from customers for the fire recovery surcharge.
[5]	***NET CHANGE IN RESERVES***	***$ (2,428,714)***	***$ (4,875,937)***	***$ 5,223,000***	The net change in reserves is the difference between total CZU related expenses, plus the total received from FEMA plus the total received from rate payers for the FRS. It shows how much the District had or has to pay out of reserves.
[6]	RUNNING TOTAL OF CHANGES IN RESERVES	$ (2,428,714)	$ (7,304,652)	$ (2,081,652)	This will show a running total of how the reserves will increase or decrease in relation to CZU related expenses.
[7]	***RESTRICTED FRS RESERVE FUND BALANCE***	***$ -***	***$ -***	***$ -***	Since the total CZU related expenses exceeds the amount received from FEMA reimbursements and rate payers for the FRS, the balance of the restricted FRS account is $0.

Accounts Payable

Checks by Date - Detail by Check Number

User: emagidish@slvwd.com
Printed: 8/7/2023 3:37 PM

San Lorenzo Valley WATER DISTRICT

Check No	Vendor No / Invoice No	Vendor Name / Description	Check Date / Reference	Void Checks	Check Amount
ACH	10005	MISSIONSQUARE RETIREMENT	07/27/2023		
	6428503	PAY PERIOD ENDING 07.26.23			4,703.85
			Total for this ACH Check for Vendor 10005:	0.00	4,703.85
ACH	00687	AT&T U-VERSE	07/28/2023		
	070523_13745873	UVERSE_13057 HWY 9			101.65
	7623_132166881	AT&T UVERSE_MANANA WOODS			117.70
			Total for this ACH Check for Vendor 00687:	0.00	219.35
ACH	00687	AT&T U-VERSE	07/29/2023		
	7723_132182018	AT&T UVERSE_345 QUAIL TERRACE			107.00
			Total for this ACH Check for Vendor 00687:	0.00	107.00
ACH	00687	AT&T U-VERSE	07/30/2023		
	7823_325322484	AT&T UVERSE_ADMIN FAX LINE			109.66
			Total for this ACH Check for Vendor 00687:	0.00	109.66
ACH	00313	MET LIFE	08/01/2023		
	071423_313A	DENTAL_ADMIN			199.82
	071423_313B	DISABILITY_ADMIN			86.12
	071423_313C	LIFE INS_ADMIN			21.64
	071423_313D	DENTAL_FINANCE			1,198.57
	071423_313E	DISABILITY_FINANCE			275.31
	071423_313F	LIFE INS_FINANCE			144.02
	071423_313G	DENTAL_ENGINEERING			399.64
	071423_313H	DISABILITY_ENGINEERING			184.92
	071423_313I	LIFE INS_ENGINEERING			66.60
	071423_313J	DENTAL_OPS			1,775.53
	071423_313K	DISABILITY_OPS			315.90
	071423_313L	LIFE INS_OPS			166.50
	071423_313M	DENTAL_ENVIRON			65.07
	071423_313N	DISABILITY_ENVIRON			32.40
	071423_313O	LIFE INS_ENVIRON			16.65
	071423_313P	DENTAL_WTP			1,463.45
	071423_313Q	DISABILITY_WTP			265.73
	071423_313R	LIFE INS_WTP			133.20
			Total for this ACH Check for Vendor 00313:	0.00	6,811.07
ACH	00545	AFLAC	08/01/2023		
	519768	2023 INSURANCE PREMIUMS			165.58
			Total for this ACH Check for Vendor 00545:	0.00	165.58
ACH	00011	VERIZON WIRELESS	08/02/2023		
	9939599442A	CELL PHONE_ADMIN FY2223			24.95
	9939599442B	CELL PHONE_FINANCE FY2223			44.58

Check No	Vendor No / Invoice No	Vendor Name / Description	Check Date / Reference	Void Checks	Check Amount
	9939599442C	CELL PHONE_ENGINEERING FY2223			85.70
	9939599442D	CELL PHONE_OPS FY2223			255.39
	9939599442E	CELL PHONE_ENVIRON FY2223			33.49
	9939599442F	CELL PHONE_WTP FY2223			247.72
	9939599442G	CELL PHONE_ADMIN FY2324			19.07
	9939599442H	CELL PHONE_FINANCE FY2324			34.09
	9939599442I	CELL PHONE_ENGINEERING FY2324			65.54
	9939599442J	CELL PHONE_OPS FY2324			195.30
	9939599442K	CELL PHONE_ENVIRON FY2324			25.61
	9939599442L	CELL PHONE_WTP FY2324			189.44
	9939599443A	CELLULAR_ADMIN FY2223			11.20
	9939599443B	CELLULAR_FINANCE FY2223			26.32
	9939599443C	CELLULAR_OPS FY2223			265.41
	9939599443D	CELLULAR_WTP FY2223			78.97
	9939599443E	CELLULAR_ADMIN FY2324			8.57
	9939599443F	CELLULAR_FINANCE FY2324			20.13
	9939599443G	CELLULAR_OPS FY2324			202.93
	9939599443H	CELLULAR_WTP FY2324			60.39
			Total for this ACH Check for Vendor 00011:	0.00	1,894.80
ACH	00054	PACIFIC GAS AND ELECTRIC	08/03/2023		
	72423_43075	PG&E_130 BROOK LN			6.68
			Total for this ACH Check for Vendor 00054:	0.00	6.68
ACH	10207	CITI CARDS_COSTCO	08/03/2023		
	070723_7861A	AMAZON_OFFICE SUPPLIES			9.80
	070723_7861B	AMAZON_OFFICE SUPPLIES			38.12
	070723_7861C	JUST ANSWER_REFUND			65.00
	070723_7861D	JUST ANSWER_REFUND			-65.00
			Total for this ACH Check for Vendor 10207:	0.00	47.92
ACH	00599	WEX BANK	08/05/2023		
	90886784A	FUEL_ADMIN			152.29
	90886784B	FUEL_FINANCE			959.97
	90886784C	FUEL_ENGINEERING			473.46
	90886784D	FUEL_OPS			5,745.88
	90886784E	FUEL_WTP			3,594.92
			Total for this ACH Check for Vendor 00599:	0.00	10,926.52
ACH	00145	BATTERIES PLUS	07/13/2023		
	P63226354	OPERATING SUPPLIES			34.75
			Total for this ACH Check for Vendor 00145:	0.00	34.75
ACH	00183	SDRMA	07/13/2023		
	73597A	WORKERS COMP_ADMIN			3,711.01
	73597B	WORKERS COMP_FINANCE			2,749.40
	73597C	WORKERS COMP_ENGINEERING			7,435.57
	73597D	WORKERS COMP_OPS			26,342.77
	73597E	WORKERS COMP_ENVIRON			1,320.52
	73597F	WORKERS COMP_WTP			26,159.93
	74035	PROPERTY_LIABILITY INSURANCE			268,729.99
			Total for this ACH Check for Vendor 00183:	0.00	336,449.19
ACH	00265	COMMUNITY TELEVISION	07/13/2023		
	3276	BOARD COVERAGE_MAY			678.00

Check No	Vendor No / Invoice No	Vendor Name / Description	Check Date / Reference	Void Checks	Check Amount
			Total for this ACH Check for Vendor 00265:	0.00	678.00
ACH	00268	WATTS ON	07/13/2023		
	13080	GENERATOR SERVICE_IRWIN			1,584.85
	13081	GENERATOR SERVICE_PASO			1,806.69
			Total for this ACH Check for Vendor 00268:	0.00	3,391.54
ACH	00450	EUROFINS	07/13/2023		
	3800024944	WATER ANALYSIS			1,000.00
	3800025820	WATER ANALYSIS			1,000.00
	3800025915	WATER ANALYSIS			185.00
			Total for this ACH Check for Vendor 00450:	0.00	2,185.00
ACH	00566	SANTA CRUZ ANSWERING SERVICE	07/13/2023		
	1076806222023A	ANSWERING SERVICE			424.65
	1076806222023B	ANSWERING SERVICE			424.65
			Total for this ACH Check for Vendor 00566:	0.00	849.30
ACH	00711	CORE & MAIN LP	07/13/2023		
	S723546	VALVE BOX G5 BOX			1,346.20
	T063956	BLUE PAINT WATERBASE #3620			138.39
			Total for this ACH Check for Vendor 00711:	0.00	1,484.59
ACH	00944	PDNC, INC.	07/13/2023		
	10004	MANAGED ANTIVIRUS_JULY			634.44
	10057	JUNE CLOUD SERVICES			708.28
			Total for this ACH Check for Vendor 00944:	0.00	1,342.72
ACH	10067	NBS	07/13/2023		
	202306-2294A	QUARTERLY FEES			1,138.60
	202306-2294B	QUARTERLY FEES			770.40
	202306-2294C	QUARTERLY FEES			1.60
	202306-2294D	QUARTERLY FEES			2.40
			Total for this ACH Check for Vendor 10067:	0.00	1,913.00
ACH	10246	OVISS LABS INCORPORATED	07/13/2023		
	R-59457	DVR CLOUD SERVICE			257.24
			Total for this ACH Check for Vendor 10246:	0.00	257.24
ACH	10295	PANORAMA ENVIRONMENTAL INC.	07/13/2023		
	102913A	ENVIRONMENTAL PLANNING_WO#1234			1,731.87
	102913B	ENVIRONMENTAL PLANNING_WO#3068			1,731.88
			Total for this ACH Check for Vendor 10295:	0.00	3,463.75
ACH	00309	AT&T IP SERVICES	08/06/2023		
	3869979705	AT&T IP SERVICES_13060 CENTRAL AVE			1,145.28
	9713750803	AT&T IP SERVICES_195 KIRBY			336.99
	9900350804A	AT&T OFFICE AT HAND			267.99
	9900350804B	AT&T OFFICE AT HAND			267.99
	9900350804C	AT&T OFFICE AT HAND			267.99
			Total for this ACH Check for Vendor 00309:	0.00	2,286.24

Check No	Vendor No / Invoice No	Vendor Name / Description	Check Date / Reference	Void Checks	Check Amount
ACH	00409	EASYPERMIT POSTAGE	08/07/2023		
	071123_4537	POSTAGE METER MACHINE_JUNE			500.00
			Total for this ACH Check for Vendor 00409:	0.00	500.00
ACH	00788	COMCAST	07/14/2023		
	61923_0196346A	INTERNET_ADMIN			64.68
	61923_0196346B	INTERNET_WTP			462.08
	61923_0196346C	INTERNET_OPS			298.95
	61923_0196346D	INTERNET_ADMIN FY2324			212.51
	61923_0196346E	INTERNET_WTP FY2324			1,518.27
	61923_0196346F	INTERNET_OPS FY2324			982.27
			Total for this ACH Check for Vendor 00788:	0.00	3,538.76
ACH	00054	PACIFIC GAS AND ELECTRIC	07/17/2023		
	62923_36580240A	PG&E_ADMIN			843.98
	62923_36580240B	PG&E_OPS			12,319.01
	62923_36580240C	PG&E_WTP			18,012.96
	62923_36580240D	PG&E_WASTEWATER			291.08
			Total for this ACH Check for Vendor 00054:	0.00	31,467.03
ACH	00220	BAY BUILDING JANITORIAL,INC	07/20/2023		
	37011	MONTHLY ADMIN JANITORIAL			606.66
			Total for this ACH Check for Vendor 00220:	0.00	606.66
ACH	00231	JODI McGRAW CONSULTING	07/20/2023		
	2023-10	ANNUAL LEWIS TANK RESTORATION			2,853.84
	2023-6	SANDHILLS HCP_WO#1447			3,177.51
	2023-7	BIO SURVEY & TRAINING_WO#845			5,887.12
	2023-8	PROBATION & PASATIEMPO RESTORATION			2,215.98
	2023-9	OLYMPIA CONSERVATION AREA MGMNT			5,226.25
			Total for this ACH Check for Vendor 00231:	0.00	19,360.70
ACH	00450	EUROFINS	07/20/2023		
	3800025473	WATER ANALYSIS			75.00
	3800025922	WATER ANALYSIS			120.00
			Total for this ACH Check for Vendor 00450:	0.00	195.00
ACH	00711	CORE & MAIN LP	07/20/2023		
	S842490	PIPE-COMPRESSION 1"			1,740.66
			Total for this ACH Check for Vendor 00711:	0.00	1,740.66
ACH	10158	NOSSAMAN, LLP	07/20/2023		
	549422	PROFESSIONAL SRVCS THROUGH 5.31.23			127.50
	549423	PROFESSIONAL SRVCS THROUGH 4.30.23			212.50
	549424	PROFESSIONAL SRVCS THROUGH 5.31.23			9,833.50
	549465	PROFESSIONAL SRVCS THROUGH 4.30.23			7,299.00
	549466	PROFESSIONAL SRVCS THROUGH 5.31.23			5,624.00
			Total for this ACH Check for Vendor 10158:	0.00	23,096.50
ACH	10259	CIVICPLUS, LLC	07/20/2023		
	263505	CIVIC CMS ANNUAL FEE RENEWAL			2,925.50
			Total for this ACH Check for Vendor 10259:	0.00	2,925.50

Check No	Vendor No / Invoice No	Vendor Name / Description	Check Date / Reference	Void Checks	Check Amount
ACH	10350	FREYER & LAURETA, INC.	07/20/2023		
	23-334	DESIGN SERVICES_FOREMAN PIPELINE #1927			4,363.79
			Total for this ACH Check for Vendor 10350:	0.00	4,363.79
ACH	10398	JMB CONSTRUCTION, INC.	07/20/2023		
	93811020201010A	2021 CIP PIPELINE PROJECT_WO#2180			88,920.00
	93811020201010B	2021 CIP PIPELINE PROJECT_WO#2181			30,495.00
	93811020201010C	2021 CIP PIPELINE PROJECT_WO#2182			30,495.00
	93811020201010D	2021 CIP PIPELINE PROJECT_WO#2183			141,578.50
	93811020201010E	2021 CIP PIPELINE PROJECT_WO#2184			30,495.00
	PP#2_RETAIN#2A	2021 CIP PIPELINE_RETAIN_#2180			4,680.00
	PP#2_RETAIN#2B	2021 CIP PIPELINE_RETAIN_#2181			1,605.00
	PP#2_RETAIN#2C	2021 CIP PIPELINE_RETAIN_#2182			1,605.00
	PP#2_RETAIN#2D	2021 CIP PIPELINE_RETAIN_#2183			7,451.50
	PP#2_RETAIN#2E	2021 CIP PIPELINE_RETAIN_#2184			1,605.00
			Total for this ACH Check for Vendor 10398:	0.00	338,930.00
ACH	00178	CALPERS	08/01/2023		
	AUG2023A	CALPERS_ADMIN			2,956.31
	AUG2023B	CALPERS_FINANCE			16,000.07
	AUG2023C	CALPERS_ENG			3,870.05
	AUG2023D	CALPERS_OPS			24,677.21
	AUG2023E	CALPERS_ENVIRON			913.74
	AUG2023F	CALPERS_RETIREES			1,359.00
	AUG2023G	CALPERS_WTP			15,697.95
	AUG2023H	CALPERS_ADMIN FEE			234.56
	AUG2023I	CALPERS_DEPENDENTS			2,078.32
			Total for this ACH Check for Vendor 00178:	0.00	67,787.21
ACH	10005	MISSIONSQUARE RETIREMENT	07/17/2023		
	6993966	PAY PERIOD ENDING_07.12.23			13,353.85
			Total for this ACH Check for Vendor 10005:	0.00	13,353.85
ACH	10217	UMPQUA BANK	07/25/2023		
	063023_7268A	SPRINGBROOK_TRAINING			900.00
	063023_7268B	AMAZON_OFFICE SUPPLIES			52.22
	063023_7268C.1	AMAZON_OFFICE SUPPLIES			8.53
	063023_7268C.2	AMAZON_OFFICE SUPPLIES			8.53
	063023_7268C.3	AMAZON_OFFICE SUPPLIES			8.54
	063023_7268D	CAREERS IN GVMNT_ADVERTISING			399.00
	063023_7268E	AMAZON_OPERATING SUPPLIES			370.58
	063023_7268F	CONSERVATION JOB BOARD_ADVERTISING			55.00
	063023_7268G	CARHARTT_UNIFORMS			460.02
	063023_7268H	MAILCHIMP_MARKETING			80.00
	063023_7268I	ZOOM_MONTHLY CHARGES			327.90
	063023_7268J	GODADDY_SSL RENEWAL 2YRS			199.98
	063023_7268K	STAPLES_OFFICE SUPPLIES			104.05
	063023_7268L	KTEC ESTORE_REPAIR VE#264 WO#115			674.98
	063023_7268M	JOES UPHOLSTERY_VE#747 WO#107			479.67
	063023_7268N	STREET SCENE_OUTFITTING_VE#749 WO#107			1,006.87
	063023_7268O	LOOKOUT_ADVERTISING			375.00
	063023_7268P	ALSO ENERGY_SOLAR MONITORING 1YR			495.00
	063023_7268Q	AMAZON_SAFETY SUPPLIES			104.00
	063023_7268R	AMAZON_OFFICE SUPPLIES RETURN			-37.58
			Total for this ACH Check for Vendor 10217:	0.00	6,072.29

Check No	Vendor No / Invoice No	Vendor Name / Description	Check Date / Reference	Void Checks	Check Amount
ACH	00080	GRANITE CONSTRUCTION CO	07/27/2023		
	2503415	OPERATING SUPPLIES_BASE ROCK			57.76
			Total for this ACH Check for Vendor 00080:	0.00	57.76
ACH	00273	CORELOGIC, INC.	07/27/2023		
	30672468	MONTHLY REALQUEST SERVICES			100.00
			Total for this ACH Check for Vendor 00273:	0.00	100.00
ACH	00505	DELL MARKETING LP	07/27/2023		
	10679734269	DELL MARKETING QUOTE#3000154526080			1,619.47
			Total for this ACH Check for Vendor 00505:	0.00	1,619.47
ACH	00711	CORE & MAIN LP	07/27/2023		
	T063947A	WHITE PAINT WATERBASE #3901			69.19
	T063947B	UNION GALV 2"			82.75
	T063947C	NIPPLE GALV 4" X 6"			63.29
	T063947D	NIPPLE GALV 3/4" X 2"			7.65
	T063947E	NIPPLE GALV 3/4" X 0"			11.18
	T063947F	HYMAX REDUCER COUPLING 3X4 3.46-4.3			913.63
	T063947G	FULL CIRCLE 3.46-3.70 7.50"			87.18
	T063947H	FULL CIR 1-1/2" X 6" REDICL244			186.13
	T063947I	ELL 90 GALV 2"			58.08
	T063947J	COUPLING GALV 3/4"			13.73
	T063947K	COUPLING GALV 1/2"			2.77
	T063947L	COUPLING 4" VICTOLIC			363.89
	T063947M	CAP GALV 1/2"			4.55
	T063947N	BUSHING GALV 3/4" X 1/2"			5.17
	T123468	COUPLING 4" VICTOLIC			513.72
			Total for this ACH Check for Vendor 00711:	0.00	2,382.91
ACH	00781	UTILITY SERVICES ASSOCIATES	07/27/2023		
	126615A	LEAK DETECTION OF DIST. SYSTEMS			21,750.00
	126615B	MOBILIZATION CHARGES			1,122.00
			Total for this ACH Check for Vendor 00781:	0.00	22,872.00
ACH	00944	PDNC, INC.	07/27/2023		
	10078	MS 365 ADDITIONAL LICENSE			159.47
			Total for this ACH Check for Vendor 00944:	0.00	159.47
ACH	10025	BADGER METER, INC	07/27/2023		
	80130633	MONTHLY BEACON SERVICES			2,565.68
			Total for this ACH Check for Vendor 10025:	0.00	2,565.68
ACH	10295	PANORAMA ENVIRONMENTAL INC.	07/27/2023		
	102914	ENVIRON SERVICES_BB/FS_WO#2517			3,761.25
			Total for this ACH Check for Vendor 10295:	0.00	3,761.25
ACH	10344	SUSAN ROBINSON	07/27/2023		
	2023-SLVWD-06	GRANT WRITING_BB/FS_WO#2517			1,125.00
			Total for this ACH Check for Vendor 10344:	0.00	1,125.00
ACH	10401	HERC RENTALS INC	07/27/2023		
	33731439-003A	EQUIPMENT RENTAL_WO#3016			540.17

Check No	Vendor No / Invoice No	Vendor Name / Description	Check Date / Reference	Void Checks	Check Amount
	33731439-003B	EQUIPMENT RENTAL_WO#3016			540.17
			Total for this ACH Check for Vendor 10401:	0.00	1,080.34
ACH	00178	CALPERS	07/26/2023		
	072623CERBT	CALPERS CERBT CONTRIBUTIONS FY2223			20,000.00
			Total for this ACH Check for Vendor 00178:	0.00	20,000.00
ACH	00054	PACIFIC GAS AND ELECTRIC	07/27/2023		
	0008211954-6	ENGINEERING ADVANCE_WO#845			2,500.00
			Total for this ACH Check for Vendor 00054:	0.00	2,500.00
ACH	00055	AT&T	07/27/2023		
	723_9607360489A	PHONE_ADMIN			2.01
	723_9607360489B	PHONE_OPS			2,552.46
	723_9607360489C	PHONE_WTP			597.09
	723_9607360489D	PHONE_SEWER			260.67
			Total for this ACH Check for Vendor 00055:	0.00	3,412.23
ACH	00178	CALPERS	07/27/2023		
	FY2324.A	CALPERS UAL PREPAYMENT_ADMIN			87,404.00
	FY2324.B	CALPERS UAL PREPAYMENT_FINANCE			17,438.00
	FY2324.C	CALPERS UAL PREPAYMENT_OPS			175,246.00
	FY2324.D	CALPERS UAL PREPAYMENT_WTP			134,702.00
			Total for this ACH Check for Vendor 00178:	0.00	414,790.00
ACH	00080	GRANITE CONSTRUCTION CO	07/27/2023		
	2510572	OPERATING SUPPLIES_BASEROCK			57.55
			Total for this ACH Check for Vendor 00080:	0.00	57.55
ACH	00493	SPRINGBROOK HOLDING COMPANY L	07/27/2023		
	013774A	MONTHLY CIVICPAY FEES			27.50
	013774B	MONTHLY CIVICPAY FEES			2,241.50
			Total for this ACH Check for Vendor 00493:	0.00	2,269.00
ACH	00711	CORE & MAIN LP	07/27/2023		
	T144853A	REPAIR CLAMP 2" X 3"			38.03
	T144853B	NIPPLE GALV 3/4" X 2"			2.55
	T144853C	GATE VALVE 4"			439.76
	T144853D	GATE VALVE 3/4"			246.99
	T144853E	BELL REDCR GALV 1" X 1/2"			24.53
			Total for this ACH Check for Vendor 00711:	0.00	751.86
ACH	10276	MONRO INC	07/27/2023		
	227840	REPAIR_VE#309_WO#092			1,998.13
			Total for this ACH Check for Vendor 10276:	0.00	1,998.13
ACH	10396	BECK'S SHOES	07/27/2023		
	268844-00	UNIFORM_BOOTS#207			333.52
			Total for this ACH Check for Vendor 10396:	0.00	333.52
ACH	10402	RAFTELIS FINANCIAL CONSULTANTS	07/27/2023		
	28988	2023 RATE STUDY			8,340.00

Check No	Vendor No / Invoice No	Vendor Name / Description	Check Date / Reference	Void Checks	Check Amount
			Total for this ACH Check for Vendor 10402:	0.00	8,340.00
23782	00057	AFSCME COUNCIL 57	07/13/2023		
	JUNE_2023	UNION DUES_JUNE 2023			1,384.64
			Total for Check Number 23782:	0.00	1,384.64
23783	00958	AIRTEC SERVICE	07/13/2023		
	25934	ADMIN BLDG AC REPAIR			5,096.00
			Total for Check Number 23783:	0.00	5,096.00
23784	00729	ALPHA ANALYTICAL LABS	07/13/2023		
	3064923	WASTEWATER MONITORING			1,550.00
			Total for Check Number 23784:	0.00	1,550.00
23785	00009	CITY OF SANTA CRUZ FINANCE DEPT	07/13/2023		
	045157A	WATER SMART GARDENING 2023 FEE			416.67
	045157B	WATER SMART GARDENING 2023 FEE			739.74
			Total for Check Number 23785:	0.00	1,156.41
23786	00703	DATAFLOW BUSINESS SYSTEMS, INC	07/13/2023		
	362149	QTRLY PRINTER SERVICES_KYOCERA			43.82
	362150	QTRLY PRINTER SERVICES_OKIDATA			218.55
	362151	QTRLY PRINTER SERVICES_KYOCERA			26.10
	362152	QTRLY PRINTER SERVICES_HP 602DN			63.54
	362153	QTRLY PRINTER SERVICES_HP5200			49.67
	362154	QTRLY PRINTER SERVICES_CANON			18.67
			Total for Check Number 23786:	0.00	420.35
23787	00061	DHS PUBLIC HEALTH LAB	07/13/2023		
	3671	TICK TESTING			36.00
			Total for Check Number 23787:	0.00	36.00
23788	00343	ERNIE'S SERVICE CENTER	07/13/2023		
	110487	SERVICE_VE#249_WO#113			152.84
			Total for Check Number 23788:	0.00	152.84
23789	10274	TOM HAVLICK	07/13/2023		
	062023_231	REIMBURSEMENT_UNIFORM			163.59
			Total for Check Number 23789:	0.00	163.59
23790	00236	IDEXX DISTRIBUTION CORP	07/13/2023		
	3130850285	LAB SUPPLIES			3,673.77
			Total for Check Number 23790:	0.00	3,673.77
23791	00245	DONALD F. LONG, JR	07/13/2023		
	070723_209	MEAL REIMBURSEMENT			12.54
			Total for Check Number 23791:	0.00	12.54
23792	00610	MAGGIORA BROS DRILLING	07/13/2023		
	M22-088	GENERATOR RENTAL			1,325.00

Check No	Vendor No / Invoice No	Vendor Name / Description	Check Date / Reference	Void Checks	Check Amount
			Total for Check Number 23792:	0.00	1,325.00
23793	10214	MIKE PODLECH	07/13/2023		
	2447	FALL CREEK FISH LADDER_#1738			4,552.50
	2448	CONJUCTIVE USE PLAN_FY2223			1,330.00
			Total for Check Number 23793:	0.00	5,882.50
23794	10314	PRESS BANNER	07/13/2023		
	83992	WEB AD_BOD MEETING			300.00
			Total for Check Number 23794:	0.00	300.00
23795	00125	SCARBOROUGH LUMBER	07/13/2023		
	409008	OPERATING SUPPLIES			25.24
	623265	OPERATING SUPPLIES			33.44
			Total for Check Number 23795:	0.00	58.68
23796	00624	SECURITY SHORING &	07/13/2023		
	160468A	PLATE RENTAL_WO#3016			2,181.00
			Total for Check Number 23796:	0.00	2,181.00
23797	00642	STEVEN M.BUTLER,R.P.F.	07/13/2023		
	VIII	WATERSHED TREEWORK			953.55
			Total for Check Number 23797:	0.00	953.55
23798	00028	VAN DER STEEN ENGINEERING	07/13/2023		
	062523_BENNETT	BENNETT CREEK INTAKE_WO#2949			65,083.56
			Total for Check Number 23798:	0.00	65,083.56
23799	UB*01003	DAVID WINEGARDEN	07/13/2023		
		Refund Check 009991-000, 14591 BIG BASIN			54.77
			Total for Check Number 23799:	0.00	54.77
23800	10373	WORKIN.COM	07/13/2023		
	66644	ADVERTISING			342.15
			Total for Check Number 23800:	0.00	342.15
23801	00958	AIRTEC SERVICE	07/20/2023		
	25978	ADMIN BLDG AC REPAIR			164.00
			Total for Check Number 23801:	0.00	164.00
23802	00589	ALLARD'S SEPTIC SERVICE	07/20/2023		
	8409	KIRBY PLANT SEPTIC			350.00
			Total for Check Number 23802:	0.00	350.00
23803	10177	ANDERSON PACIFIC ENGINEERING	07/20/2023		
	3_ALTAVIA	ALTA VIA PIPELINE REPLACEMENT_#1921			305,656.33
			Total for Check Number 23803:	0.00	305,656.33
23804	00162	ANTHEM BLUE CROSS	07/20/2023		
	000291892468	RETIREE MEDICAL			465.37

Check No	Vendor No / Invoice No	Vendor Name / Description	Check Date / Reference	Void Checks	Check Amount
			Total for Check Number 23804:	0.00	465.37
23805	00767	ANTHEM BLUE CROSS	07/20/2023		
	000290373520	MEDICARE_RETIREE			90.60
			Total for Check Number 23805:	0.00	90.60
23806	00034	DAVE BASLER	07/20/2023		
	AUG2023_034	CALPERS RETIREE			74.00
			Total for Check Number 23806:	0.00	74.00
23807	00099	JOEL BUSA	07/20/2023		
	AUG2023_099	CALPERS RETIREE			124.00
			Total for Check Number 23807:	0.00	124.00
23808	00172	JOSEPH F. CONE	07/20/2023		
	AUG2023_172	CALPERS RETIREE			174.00
			Total for Check Number 23808:	0.00	174.00
23809	00016	GREENWASTE RECOVERY,INC	07/20/2023		
	0006855164	MONTHLY DUMPSTER SERVICE			521.60
			Total for Check Number 23809:	0.00	521.60
23810	UB*01004	RONALD HINTON	07/20/2023		
		Refund Check 005388-000, 113 WHISPERING			30.01
			Total for Check Number 23810:	0.00	30.01
23811	00208	LEONARD KUHNLEIN	07/20/2023		
	AUG2023_208	CALPERS RETIREE			124.00
			Total for Check Number 23811:	0.00	124.00
23812	00296	MESITI-MILLER ENGINEERING,INC	07/20/2023		
	0623005	PROJECT MGMNT_BLUE RIDGE #2180			7,134.50
	0623006	FISH LADDER_CONST MGMT_WO#1738			13,865.45
	0623007	FISH LADDER_CONST MGMT_WO#1738			858.00
	0623008	PROJECT MGMNT_QUAIL HOLLOW #3016			6,739.00
	0623009	CONSTRUCTION MGMNT_WO#1604			108.50
			Total for Check Number 23812:	0.00	28,705.45
23813	10288	KRAIG MITCHELL	07/20/2023		
	071823_238	REIMBURSMENT_UNIFORM #238			275.32
			Total for Check Number 23813:	0.00	275.32
23814	00662	JAMES A. MUELLER	07/20/2023		
	AUG2023_662	CALPERS RETIREE			49.00
			Total for Check Number 23814:	0.00	49.00
23815	00350	HOWARD OLIPHANT	07/20/2023		
	AUG2023_350	CALPERS RETIREE			174.00
			Total for Check Number 23815:	0.00	174.00
23816	01004	PRO FLOW PLUMBING	07/20/2023		

Check No	Vendor No / Invoice No	Vendor Name / Description	Check Date / Reference	Void Checks	Check Amount
	1181	BACK FLOW TESTING			1,560.00
			Total for Check Number 23816:	0.00	1,560.00
23817	00001	ROYAL WHOLESALE ELECTRIC	07/20/2023		
	7719-1030334	BROOK LANE ELECTRICAL_WO#2517			132.43
			Total for Check Number 23817:	0.00	132.43
23818	UB*01005	WILLIAM & DEBRA RUSKIN	07/20/2023		
		Refund Check 013676-000, 163 MAIN ST			9.21
			Total for Check Number 23818:	0.00	9.21
23819	10190	SMGWA	07/20/2023		
	1054	FY2324 SMGWA CONTRIBUTION			164,681.00
			Total for Check Number 23819:	0.00	164,681.00
23820	00125	SCARBOROUGH LUMBER	07/20/2023		
	623422	OPERATING SUPPLIES			20.15
			Total for Check Number 23820:	0.00	20.15
23821	01056	BEAU SIFTON	07/20/2023		
	070823_213	REIMBURSMENT_UNIFORM #213			113.63
			Total for Check Number 23821:	0.00	113.63
23822	00047	SOIL CONTROL LAB	07/20/2023		
	3060477	WATER ANALYSIS			49.00
	3060478	WATER ANALYSIS			196.00
	3060654	WATER ANALYSIS			196.00
	3060655	WATER ANALYSIS			49.00
			Total for Check Number 23822:	0.00	490.00
23823	00555	STORDOK, INC.	07/20/2023		
	53547595	SHREDDING SERVICES			55.00
			Total for Check Number 23823:	0.00	55.00
23824	00369	CAROLE TRIANTAFILLOS	07/20/2023		
	AUG2023_369	CALPERS RETIREE			124.00
			Total for Check Number 23824:	0.00	124.00
23825	00729	ALPHA ANALYTICAL LABS	07/27/2023		
	3072577	WASTEWATER MONITORING			690.00
			Total for Check Number 23825:	0.00	690.00
23826	00309	AT&T IP SERVICES	07/27/2023		
	4489999701A	AT&T IP SERVICES			268.37
	4489999701B	AT&T IP SERVICES			268.37
	4489999701C	AT&T IP SERVICES			268.37
			Total for Check Number 23826:	0.00	805.11
23827	00037	CO. OF SANTA CRUZ DEPT OF PUBLIC	07/27/2023		
	45531A	DUMP FEES			73.00
	45531B	TOILET REBATE			27.00

Check No	Vendor No / Invoice No	Vendor Name / Description	Check Date / Reference	Void Checks	Check Amount
			Total for Check Number 23827:	0.00	100.00
23828	00343	ERNIE'S SERVICE CENTER	07/27/2023		
	110784	SERVICE_VE#181_WO#111			3,219.62
			Total for Check Number 23828:	0.00	3,219.62
23829	00020	HARO, KASUNICH & ASSOCIATES	07/27/2023		
	7515	BLUE RIDGE TANK_WO#2180			3,155.75
	7533	ALTA VIA_WO#1921			7,285.86
			Total for Check Number 23829:	0.00	10,441.61
23830	10408	KSCO AM 1080	07/27/2023		
	23060057	ADVERTISING			400.00
			Total for Check Number 23830:	0.00	400.00
23831	00082	MID VALLEY SUPPLY	07/27/2023		
	270690A	SUPPLIES_ADMIN			245.40
	270690B	SUPPLIES_WTP			137.61
			Total for Check Number 23831:	0.00	383.01
23832	10359	REBER CONSTRUCTION CO, INC.	07/27/2023		
	3520-159	MADRONE PUMP STATION_WO#2927			12,000.00
			Total for Check Number 23832:	0.00	12,000.00
23833	00512	RIVERSIDE LIGHTING	07/27/2023		
	E163378	OPERATING SUPPLIES			100.78
			Total for Check Number 23833:	0.00	100.78
23834	00142	SAN LORENZO LUMBER	07/27/2023		
	61-0229519	SAFETY EQUIPMENT			26.48
	61-0229780	OPERATING SUPPLIES			14.28
			Total for Check Number 23834:	0.00	40.76
23835	00125	SCARBOROUGH LUMBER	07/27/2023		
	409481	OPERATING SUPPLIES			8.71
	409502	OPERATING SUPPLIES			5.63
	409722	SUPPLIES-SERVICE RELOCATE			31.39
	5514	OPERATING SUPPLIES			16.18
	623414	OPERATING SUPPLIES			58.25
	623595	OPERATING SUPPLIES			6.78
			Total for Check Number 23835:	0.00	126.94
23836	10409	CHRISTOPHER J. SHINER	07/27/2023		
	051723	JOHNSON BLDG REPAIRS			3,351.00
	052223	JOHNSON BLDG REPAIRS			2,383.00
			Total for Check Number 23836:	0.00	5,734.00
23837	00351	T&T VALVE & INSTRUMENT, INC	07/27/2023		
	62171	KIRBY PLANT SUPPLIES			3,395.73
			Total for Check Number 23837:	0.00	3,395.73
23838	00721	UNITED SITE SVCS.,INC	07/27/2023		

Check No	Vendor No / Invoice No	Vendor Name / Description	Check Date / Reference	Void Checks	Check Amount
	01861240	SANITARY SERVICES			330.24
			Total for Check Number 23838:	0.00	330.24
23839	00057	AFSCME COUNCIL 57	08/03/2023		
	JULY2023	UNION DUES_JULY 2023			1,400.09
			Total for Check Number 23839:	0.00	1,400.09
23840	10177	ANDERSON PACIFIC ENGINEERING	08/03/2023		
	4_ALTAVIA	ALTA VIA PIPELINE REPLACEMENT_#1921			355,144.20
			Total for Check Number 23840:	0.00	355,144.20
23841	10113	BANK MIDWEST	08/03/2023		
	AUG23_1011A	SOLAR LOAN_INTEREST			373.91
	AUG23_1011B	SOLAR LOAN_PRINCIPAL			2,875.99
			Total for Check Number 23841:	0.00	3,249.90
23842	00216	BOULDER CREEK AUTO PARTS	08/03/2023		
	189925	VEHICLE MAINT SUPPLIES			12.99
			Total for Check Number 23842:	0.00	12.99
23843	00076	ERNIE'S AUTO CENTER	08/03/2023		
	955809	GEN MAINT_MOTOR OIL			62.23
			Total for Check Number 23843:	0.00	62.23
23844	UB*01006	LINDA EVANS	08/03/2023		
		Refund Check 009197-000, 255 CIRCLE WAY			7.09
		Refund Check 009197-000, 255 CIRCLE WAY			25.92
			Total for Check Number 23844:	0.00	33.01
23845	00204	FEDERAL EXPRESS CORP	08/03/2023		
	8-205-57733	BADGER METER RETURN			26.43
			Total for Check Number 23845:	0.00	26.43
23846	00367	INFOSEND, INC	08/03/2023		
	235852	FLUSHING NOTICES			736.21
			Total for Check Number 23846:	0.00	736.21
23847	00097	JIM WALTERS TRACTOR SERVICE	08/03/2023		
	8213	HAULING			217.50
			Total for Check Number 23847:	0.00	217.50
23848	00202	LOCAL AGENCY FORMATION COM.	08/03/2023		
	FY2324	ANNUAL LAFCO FEES FY2324			15,779.72
			Total for Check Number 23848:	0.00	15,779.72
23849	00302	POLLARDWATER	08/03/2023		
	0242990	SMALL TOOLS_ LOCATING PROBE			275.83
			Total for Check Number 23849:	0.00	275.83
23850	00125	SCARBOROUGH LUMBER	08/03/2023		
	409584	OPERATING SUPPLIES			41.00

Check No	Vendor No / Invoice No	Vendor Name / Description	Check Date / Reference	Void Checks	Check Amount
	409765	VEHICLE MAINT SUPPLIES			33.62
	409780	OPERATING SUPPLIES			51.86
	409936	OPERATING SUPPLIES			28.30
	410136	OPERATING SUPPLIES			38.64
	410270	SMALL TOOLS_PARTS			56.09
	5599	SMALL TOOLS			431.63
	623776	OPERATING SUPPLIES			34.52
	623810	OPERATING SUPPLIES			26.21
	623905	MAINT_VAC TRUCK			59.31
	623914	MAINT_VAC TRUCK			-10.67
	623915	SAFETY EQUIPMENT			15.09
	623932	SMALL TOOLS			53.61
	623982	OPERATING SUPPLIES			43.14
	624025	SMALL TOOLS			5.80
			Total for Check Number 23850:	0.00	908.15
23851	01056	BEAU SIFTON	08/03/2023		
	072523_213	UNIFORM REIMBURSMENT			80.82
			Total for Check Number 23851:	0.00	80.82
23852	00047	SOIL CONTROL LAB	08/03/2023		
	3070148	WATER ANALYSIS			196.00
	3070213	WATER ANALYSIS			147.00
	3070214	WATER ANALYSIS			196.00
	3070215	WATER ANALYSIS			49.00
			Total for Check Number 23852:	0.00	588.00
23853	10406	SYBLON REID	08/03/2023		
	1_063023	FALL CREEK FISH LADDER_WO#1738			230,691.49
			Total for Check Number 23853:	0.00	230,691.49
23854	10231	TIAA, FSB	08/03/2023		
	9629883	5 YR LEASE NEW COPIER			253.45
			Total for Check Number 23854:	0.00	253.45
23855	00129	UNITED RENTALS (NORTH AMERICA)	08/03/2023		
	214851187-007A	LYON PLANT GEN RENTAL_FINAL_#2928			536.77
	214851187-007B	LYON PLANT GEN RENTAL_FINAL_#2928			3,220.59
			Total for Check Number 23855:	0.00	3,757.36
23856	10407	WHITE BRENNER LLP	08/03/2023		
	48089	LEGAL SERVICES THROUGH 06.30.23			11,075.00
	48090	LEGAL SERVICES_WO#844			1,560.00
			Total for Check Number 23856:	0.00	12,635.00
			Report Total (131 checks):	0.00	2,641,052.50

EFT & DIRECT CHECK TRANSACTIONS

Jun-23

San Lorenzo Valley WATER DISTRICT

Date	Check No	Vendor	Description		Amount
6/30/2023	EFT	BLUE FIN	BANK FEES	$	6,525.85
6/16/2023	EFT	T-TECH	BANK FEES	$	1,292.23
6/12/2023	EFT	WF ANALYSIS	BANK FEES	$	74.99
6/14/2023	EFT	PAYCHEX	ADMIN & DELIVERY FEES	$	302.65
6/14/2023	EFT	PAYCHEX	PAYROLL	$	145,837.82
6/14/2023	DIRECT CHECK	PAYCHEX	PAYROLL	$	8,725.90
6/14/2023	EFT	PAYCHEX	ADMIN & DELIVERY FEES-ONE TIME/RETRO	$	399.85
6/14/2023	EFT	PAYCHEX	PAYROLL - ONE TIME/RETRO	$	226,459.82
6/14/2023	DIRECT CHECK	PAYCHEX	PAYROLL-ONE TIME/RETRO	$	16,897.01
6/28/2023	EFT	PAYCHEX	ADMIN & DELIVERY FEES	$	313.60
6/28/2023	EFT	PAYCHEX	PAYROLL	$	126,629.62
6/28/2023	DIRECT CHECK	PAYCHEX	PAYROLL	$	8,475.08
6/20/2023	EFT	PAYCHEX	PAYCHEX INVOICE	$	264.45
6/16/2023	EFT	PAYCHEX	PAYCHEX FLEX TIME FEE	$	430.73
6/16/2023	EFT	CALPERS	CALPERS 6/14/23 PR	$	22,429.18
6/28/2023	EFT	CALPERS	CALPERS 6/28/23 PR	$	21,815.89
6/30/2023	EFT	FSA	JUNE FSA REIMBURSEMENTS	$	3,186.66
			TOTAL EFT TRANSACTIONS	**$**	**590,061.33**

SAN LORENZO VALLEY WATER DISTRICT

PRODUCTION COMPARRISON

Source	July-23	June-23	July-13	Percent Difference This Year To 2013
North System				
Surface Water Sources				
Foreman Creek	15,823,000	24,346,000	12,164,000	
Peavine Creek + Hydro			2,784,000	
Clear Creek			0	
Sweetwater Creek			0	
Sub-Total (Streams)	**15,823,000**	**24,346,000**	**14,948,000**	5.85%
Wells (North)				
Olympia No. 2	447,000		19,357,000	
Olympia No. 3	13,838		13,418,000	
Quail Well No. 4-A	8,978,000	2,149,000	7,419,000	
Quail Well No. 5-A	6,513,900	1,451,400	5,578,300	
Sub Total North Wells	**15,952,738**	**3,600,400**	**45,772,300**	-65.15%
South System Wells				
Pasatiempo 5A	5,636,000	3,172,100	N/A	
Pasatiempo 6	-	-	10,782,000	
Pasatiempo 7	1,966,000	1,198,000	3,378,000	
Pasatiempo 8	4,531,940	2,410,610	N/A	
Sub Total Pasatiempo Wells	**12,133,940**	**6,780,710**	**14,160,000**	-14.31%
North South All Sources Combined	**43,909,678**	**34,727,110**	**74,880,300**	-41.36%
Felton System - Surface Water				
Fall Creek	15,514,417	17,366,535	11,378,831	
Bennett Spring	5,142,844	2,410,369	3,083,700	
Bull 1 & 2	-	-	0	
Total Felton System Sources	**20,657,261**	**19,776,904**	**14,462,531**	42.83%
Manana Woods System				
Well 1	-	-	0	
Total Manana Woods Sources	**-**	**-**	**0**	
Sub - Total Production				
North / Felton / Manana	64,566,939	54,504,014	89,342,831	-27.73%
Surface	36,480,261	44,122,904	29,410,531	24.04%
Wells	28,086,678	10,381,110	59,932,300	-53.14%
Total Surface Water Percentage	56.50	80.95	32.92	71.63%
Total Wells Percentage	43.50	19.05	67.08	-35.15%

SAN LORENZO VALLEY WATER DISTRICT
PRODUCTION BY SYSTEM
+/- INTERTIES
July 2023

North System All Sources	**43,909,678**
Interties IN +	**2,915,222**
Interties OUT -	**3**
TOTAL NORTH SYSTEM	**46,824,897**
Felton Water system All Sources	**20,657,261**
Interties IN +	**0**
Interties OUT -	**364,092**
TOTAL FELTON SYSTEM	**20,293,169**
Manana Woods System	
Manana Woods Well 1	**0**
Interties IN +	**0**
TOTAL MANANA WOODS	**0**

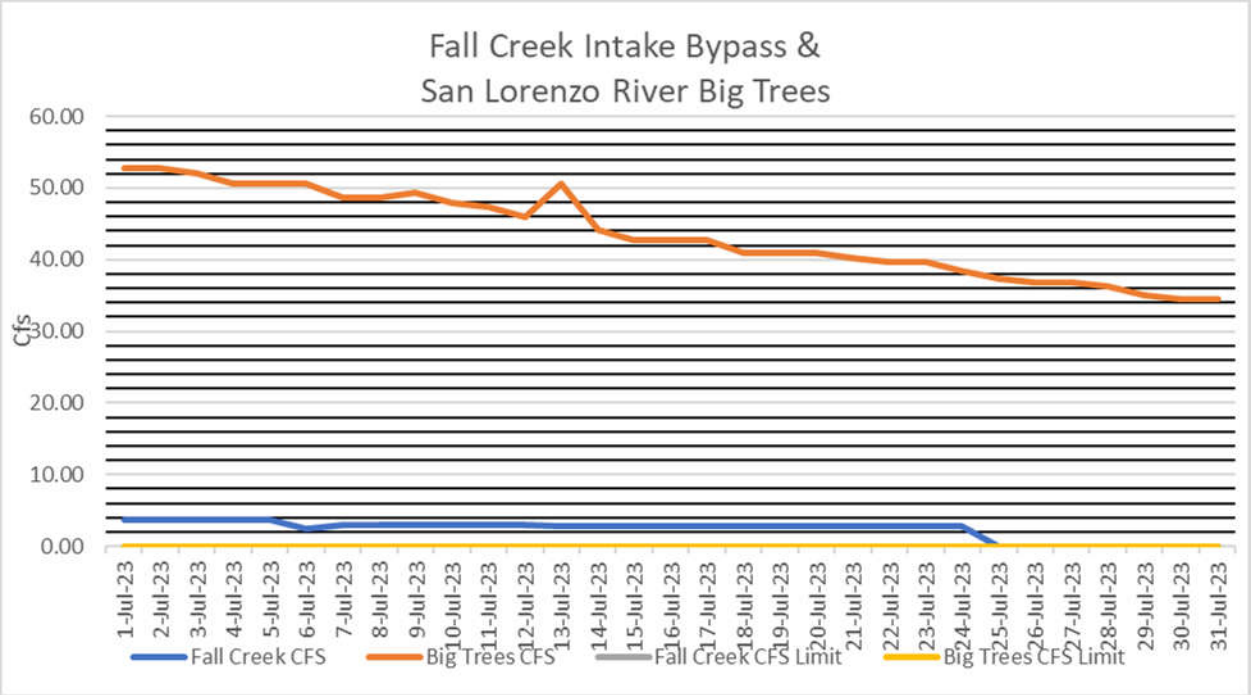
SAN LORENZO VALLEY WATER DISTRICT
INTERTIE USAGE
July 2023

INTERTIE 2	
SLVWD to SVWD	**-**
SVWD to SLVWD	**0**
INTERTIE 3	
SLV SOUTH to SLV NORTH	**2,551,130**
SLV NORTH to SLV SOUTH	**3**
INTERTIE 4	
SLVWD to MHWD	**0**
MHWD to SLVWD	**0**
INTERTIE 6	
SLV NORTH to SLV FELTON	**-**
SLV FELTON to SLV NORTH	**364,092**
LOMPICO INTERTIE	
SLV NORTH to LOMPICO	**N/A**

SAN LORENZO VALLEY WATER DISTRICT
MONTHLY LEAK REPORT
July 2023

Leak Type	NORTH SYSTEM	Town	Gallons Lost
400 MAIN LEAKING	130 CALEDONIUM AVE.	BEN LOMOND	5,400
400 MAIN LEAKING	10035 HWY 9	BEN LOMOND	50
400 MAIN LEAKING	1395 COUNTRY CLUB DR	BEN LOMOND	50
400 MAIN LEAKING	140 WOODLAND DR	BEN LOMOND	6,000
400 MAIN LEAKING	555 COOK WAY	BEN LOMOND	5,000
400 MAIN LEAKING	168 170 174 WILLOWBROOK DR	BEN LOMOND	500
400 MAIN LEAKING	INTERSECTION OF OAK & HERMOSA	BEN LOMOND	2,520
400 MAIN LEAKING	8195 OAK AVE	BEN LOMOND	3,600
400 MAIN LEAKING	140 AQUILA WAY	BOULDER CREEK	15,000
400 MAIN LEAKING	288 DOUGLAS AVE.	BOULDER CREEK	23,000
400 MAIN LEAKING	260 BLUE RIDGE DR	BOULDER CREEK	4,000
400 MAIN LEAKING	128 BROOKSIDE DR	BOULDER CREEK	120
400 MAIN LEAKING	13352 BIG BASIN	BOULDER CREEK	500
400 MAIN LEAKING	CORNER OF APPLE KNOLL & JUANITA	BOULDER CREEK	2,880
400 MAIN LEAKING	201 MAPLE WAY	BOULDER CREEK	1,440
400 MAIN LEAKING	DOUGLAS & DOLORES DR.	BOULDER CREEK	7,200
400 MAIN LEAKING	RIVERSIDE RD	BROOKDALE	7,200
400 MAIN LEAKING	130 PACIFIC AVE	BROOKDALE	500
	Total		84,960.00
	Felton		
400 MAIN LEAKING	152 STORM LANE	FELTON	500
400 MAIN LEAKING	795 HILLCREST DR	FELTON	150
400 MAIN LEAKING	344 FELTON EMPIRE RD	FELTON	19,440
		Total Felton	20,090
	LOMPICO		
400 MAIN LEAKING	10400 LAKE BLVD	LOMPICO	6,000
		Total Lompico	6,000
	SCOTTS VALLEY		
		Total Scotts Valley	-
		Total All Systems	**#REF!**

Fall Creek Intake July 2023



Normal Rainfall Fall Creek Intake Bypass Requirements

April 1 through October 31	1.0 cubic feet per second
November 1 through March 31	1.5 cubic feet per second

Dry Conditions Fall Creek Intake Bypass Requirements

April 1 through October 31	0.5 cubic feet per second
November 1 through March 31	0.75 cubic feet per second

Number of Days in month 0.75 cfs or below, ZERO days

San Lorenzo River USGS Big Trees Flow Requirements

September	11 cubic feet per second
October	26 cubic feet per second
November 1 through May 31	21 cubic feet per second
June – August	No Requirements

Fall Creek Intake July 2023

For the protection of fish and wildlife, during the period: (a) April 1 through October 31 bypass a minimum of 0.5 cfs; (b) November 1 through March 31 bypass a minimum of 1.5 cfs past the Fall Creek point of diversion. The natural streamflow shall be bypassed whenever it is less than 1.5 cfs; provided, however, that during a dry year, the bypass requirement shall be reduced from 1.5 to 0.75 cfs. A dry year is defined on a monthly basis of cumulative runoff beginning October 1 of each season in the San Lorenzo River at the USGS gage at Big Trees. These runoff figures are based on approximately 50 percent of normal runoff as the dividing level between normal and dry year runoff and are as, follows:

- November 1 for the month of October 500 af
- December 1 for October-November, inclusive 1,500 af
- January 1 for October-December, inclusive 5,000 af
- February 1 for October-January, inclusive 12,500 af
- March 1 for October-February, inclusive 26,500 af

Fall Creek Weir Measurement

	Month:	July	Year:	2023	Big Trees > 26,500 Acre-ft Oct-Feb Normal Year	x	Big Trees <26,500 Acre-ft Oct-Feb Dry Year			

Date	Time	Initials	Pump #	Fall Cr. GPM into Kirby plant	Weir Board Height (inches)	Fall Creek Bypass (CFS)	Big Trees Bypass (CFS)	Rainfall (Felton gauge)	Met Fall Cr, Bypass Requirement: Normal Year Apil 1 - Oct 31 1.0 cfs; Nov 1 - March 31 1.5 cfs *Dry Year* April 1- Oct 31 0.5 cfs Nov. 1 - March 31 0.75 cfs (yes/no)	Met Big Trees Requirement Nov-May 20cfs Sept 10 cfs Oct 25 cfs (yes/no)	Notes
1	915	TH	Temp	354	40	3.700	52.70	0	YES	YES	**Temporary Pump is running at Fall Creek during construction .Data provided by Balance Hyd.**
2	900	TH	Temp	254	40	3.700	52.70	0	YES	YES	
3	730	KM	Temp	366	40	3.700	52.00	0	YES	YES	
4	815	TH	Temp	358	40	3.700	50.60	0	YES	YES	
5	730	KM	Temp	359	40	3.700	50.60	0	YES	YES	
6	800	KM	Temp	362	40	2.500	50.60	0	YES	YES	
7	1245	KM	Temp	358	40	3.000	48.60	0	YES	YES	
8	945	KM	Temp	369	40	3.000	48.60	0	YES	YES	
9	830	KM	Temp	360	40	3.000	49.30	0	YES	YES	
10	815	KM	Temp	364	40	3.000	47.90	0	YES	YES	
11	730	TH	Temp	303	40	3.000	47.30	0	YES	YES	
12	730	KM	Temp	337	40	3.000	46.00	0	YES	YES	
13	715	KM	Temp	344	40	2.800	50.60	0	YES	YES	
14	705	KM	Temp	348	40	2.800	44.10	0	YES	YES	
15	1030	KM	Temp	339	40	2.800	42.80	0	YES	YES	
16	850	KM	Temp	351	40	2.800	42.80	0	YES	YES	
17	845	KM	Temp	375	40	2.800	42.80	0	YES	YES	
18	720	KM	Temp	350	40	2.800	40.90	0	YES	YES	
19	740	TH	Temp	347	40	2.800	40.90	0	YES	YES	
20	815	TH	Temp	356	40	2.800	40.90	0	YES	YES	
21	800	TH	Temp	362	40	2.800	40.30	0	YES	YES	
22	1000	TH	Temp	386	40	2.800	39.70	0	YES	YES	
23	1010	TH	Temp	392	40	2.800	39.70	0	YES	YES	
24	715	BDM	Temp	392	40	2.800	38.50	0	YES	YES	
25	800	TH	Temp	394	40	NA	37.40	0	YES	YES	
26	740	KM	Temp	391	40	NA	36.80	0	YES	YES	Waiting for data from Balance Hyd.
27	720	KM	Temp	414	40	NA	36.80	0	YES	YES	
28	830	KM	Temp	397	40	NA	36.20	0	YES	YES	
29	1245	KM	Temp	381	40	NA	35.10	0	YES	YES	
30	830	KM	Temp	379	40	NA	34.50	0	YES	YES	
31	730	KM	Temp	383	40	NA	34.50	0	YES	YES	

				Water Quality Complaint List					System No. 4410014
Date Received	Type Of Complaint							Address	Conclusion
	Taste/ Odor	Color	Turbidity/ Particles	Worms/ Other Visible Organisms	Pressure (High/Low)	Illness (Waterborne)	Other (Specify)		
July									No Complaints

San Lorenzo Valley Water District
Loch Lomond Water Supply
July 2023

Loch Lomond Water Level

Week ending Sunday 7 / 23 / 2023
(in feet above mean sea level; lake spills at 577.15 feet)

Currently:	575.55 ft
Percent of Capacity:	96.7 %

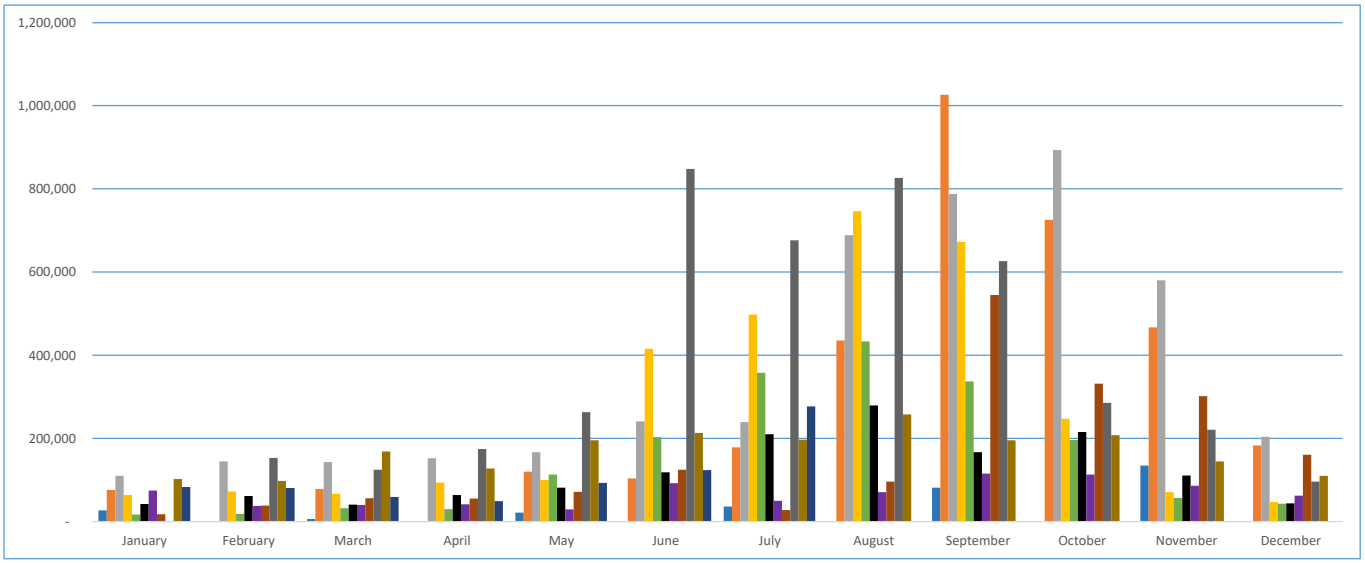
In 1958 SLVWD sold 2,500 acres of property in the vicinity of the Newell Creek Watershed to the City of Santa Cruz, with the agreement that SLVWD would be entitled to purchase 12 ½ percent of the annual safe yield from a future Newell Creek reservoir, up to a maximum of 500 AF/yr. Based on the 1958 agreement, SLVWD began receiving delivers of Loch Lomond water from the City in 1963. In 1965 the District constructed the Glen Arbor Water treatment plant for treating Loch Lomond water. Toward the end of the 1976-77 drought, the City stipulated that the District was not entitled to an allocation of 500 AF/yr, merely 12.5% of the safe yield. This decision based on a reduction to the estimated annual safe yield from the Newell Creek Reservoir, reduced the Districts contractual allocation. On June 7, 1977, the District filed a Complaint for Declaratory Relief, which requested the court to make a judicial determination of the respective parties' duties and rights. In June 1980 a court order fixed the estimated safe yield from Newell Creek Reservoir at reduced quantity, which resulted in a reduction to the Districts contractual allocation to 313 AF/yr.

Production Loch Lomond to SLVWD

Date	Total Used	Total Available
1976 July to June 1977	353 AF	
1977 July to June 2015	0	313 AF
2015 July to 02/2016	0	313 AF
2/20/16 to Current	0	313 AF

Last time District used Loch Lomond water was June 1977

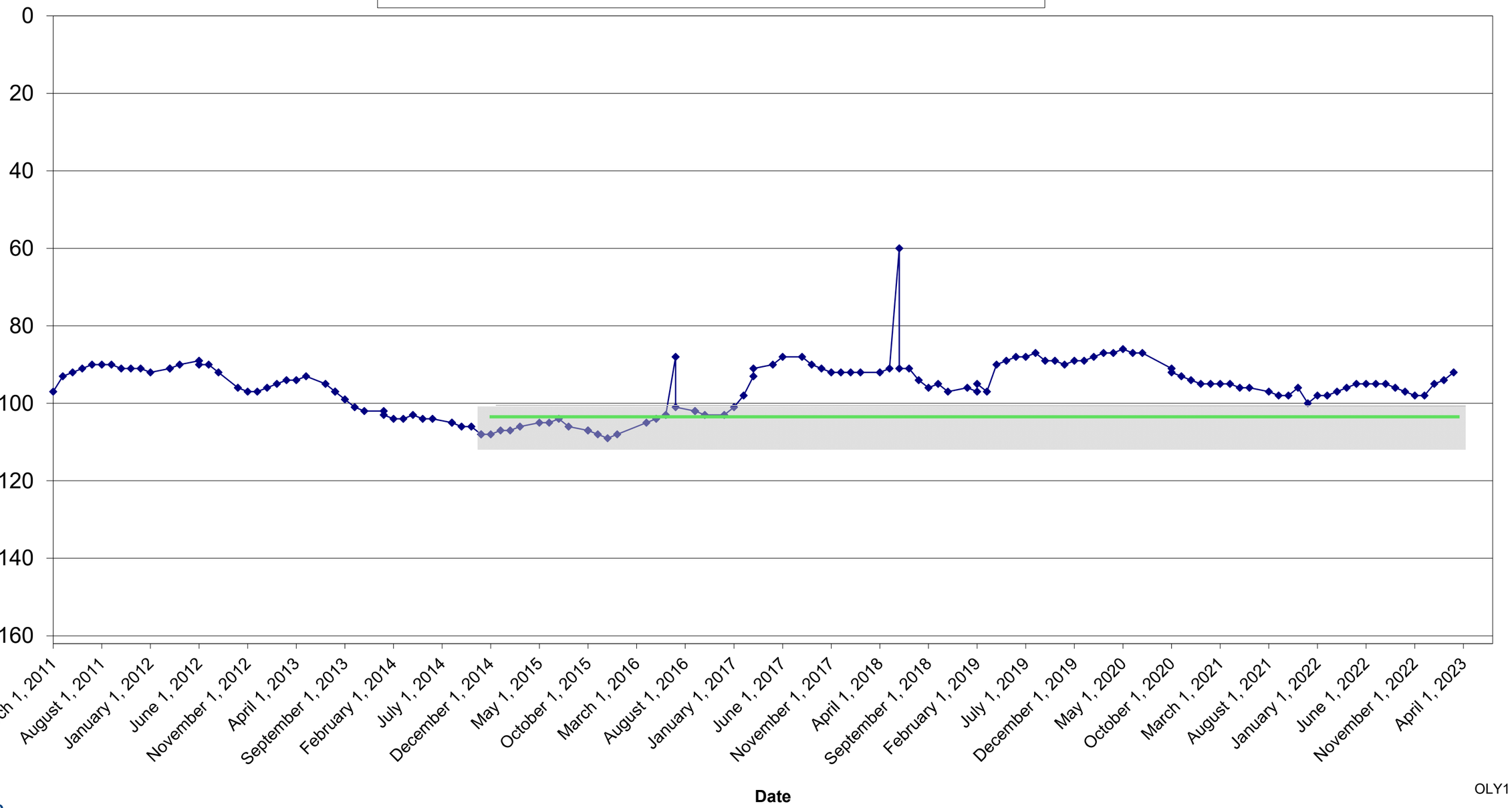
SAN LORENZO VALLEY WATER DISTRICT
BULK WATER SALES
GALLONS
July 2023



Month	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
January	26,928	76,296	109,965	63,850	16,456	41,888	74,800	17,952	1,496	102,476	83,028
February			144,364	72,556	18,700	61,366	37,400	38,148	153,340	97,240	80,784
March	5,984	78,540	142,868	66,572	32,164	40,392	39,644	56,100	124,168	168,300	59,092
April			152,592	93,500	29,920	63,580	41,140	55,352	174,284	127,908	49,368
May	21,692	119,680	166,804	100,232	112,948	81,532	29,172	71,808	263,296	195,228	92,752
June		103,972	240,983	415,140	203,179	118,184	92,004	124,168	847,484	213,180	123,420
July	35,904	178,772	239,360	497,420	357,544	210,188	50,116	27,676	676,192	196,724	276,760
August		435,336	688,160	746,504	433,092	279,004	70,312	95,744	826,540	257,312	
September	81,352	1,026,256	787,644	672,183	336,570	166,804	115,192	544,544	626,076	195,228	
October		725,560	893,112	246,840	195,976	215,424	112,948	331,364	284,988	207,944	
November	134,640	466,752	579,700	71,060	56,848	110,704	86,020	301,444	220,660	144,364	
December		183,260	203,456	47,124	42,636	44,132	62,084	160,820	95,744	109,956	
Totals	306,500	3,394,424	4,349,008	3,092,981	1,836,033	1,433,198	810,832	1,825,120	4,294,268	2,015,860	765,204

SAN LORENZO VALLEY WATER DISTRICT
Well Drawdown Report
Olympia 1

Location: 1/8 Mile East of 7701 Zayante Rd.
Elevation: 448' Mean Sea Level
Installed: January 23, 1978
State Well #: 4410014-009
Owners# 73-101-03
Completed Depth: 162'



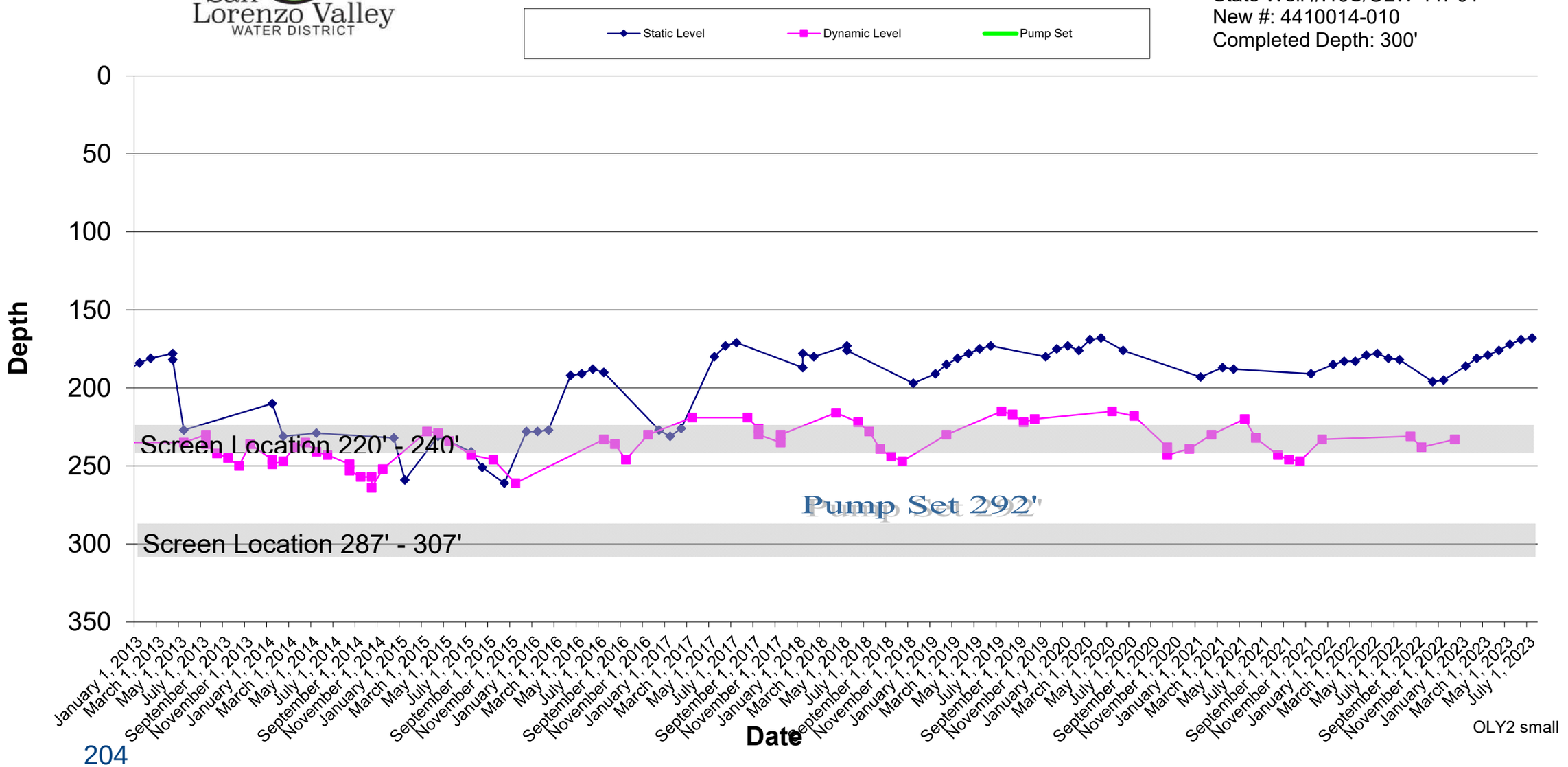
OLY1

SAN LORENZO VALLEY WATER DISTRICT

Well Drawdown Report

Olympia 2

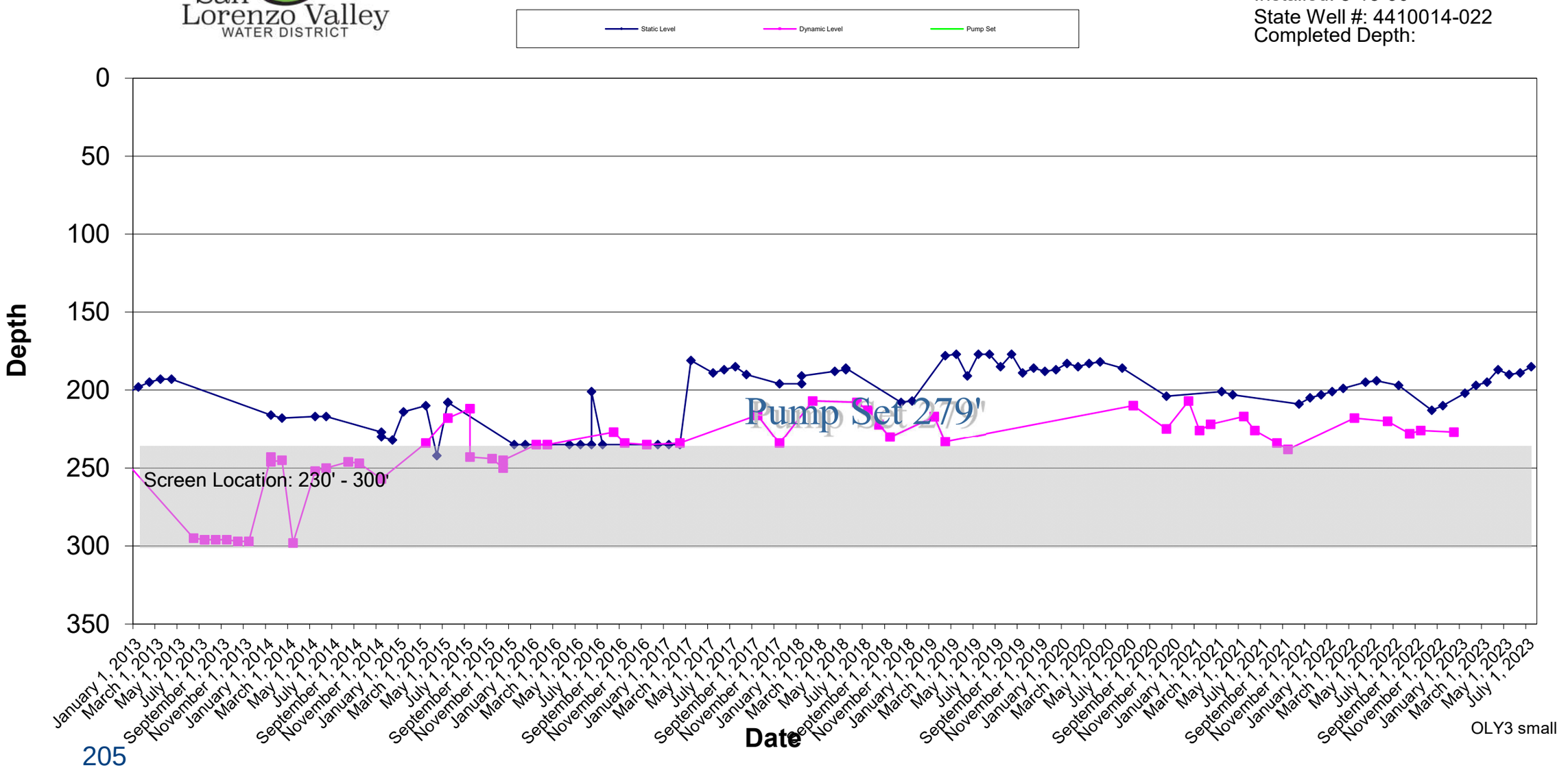
Location: 7701 E. Zayante Rd.
Elevation: 525'
Installed: April 28, 1980
State Well #:10S/O2W-11P01
New #: 4410014-010
Completed Depth: 300'



OLY2 small

SAN LORENZO VALLEY WATER DISTRICT
Well Drawdown Report
Olympia 3

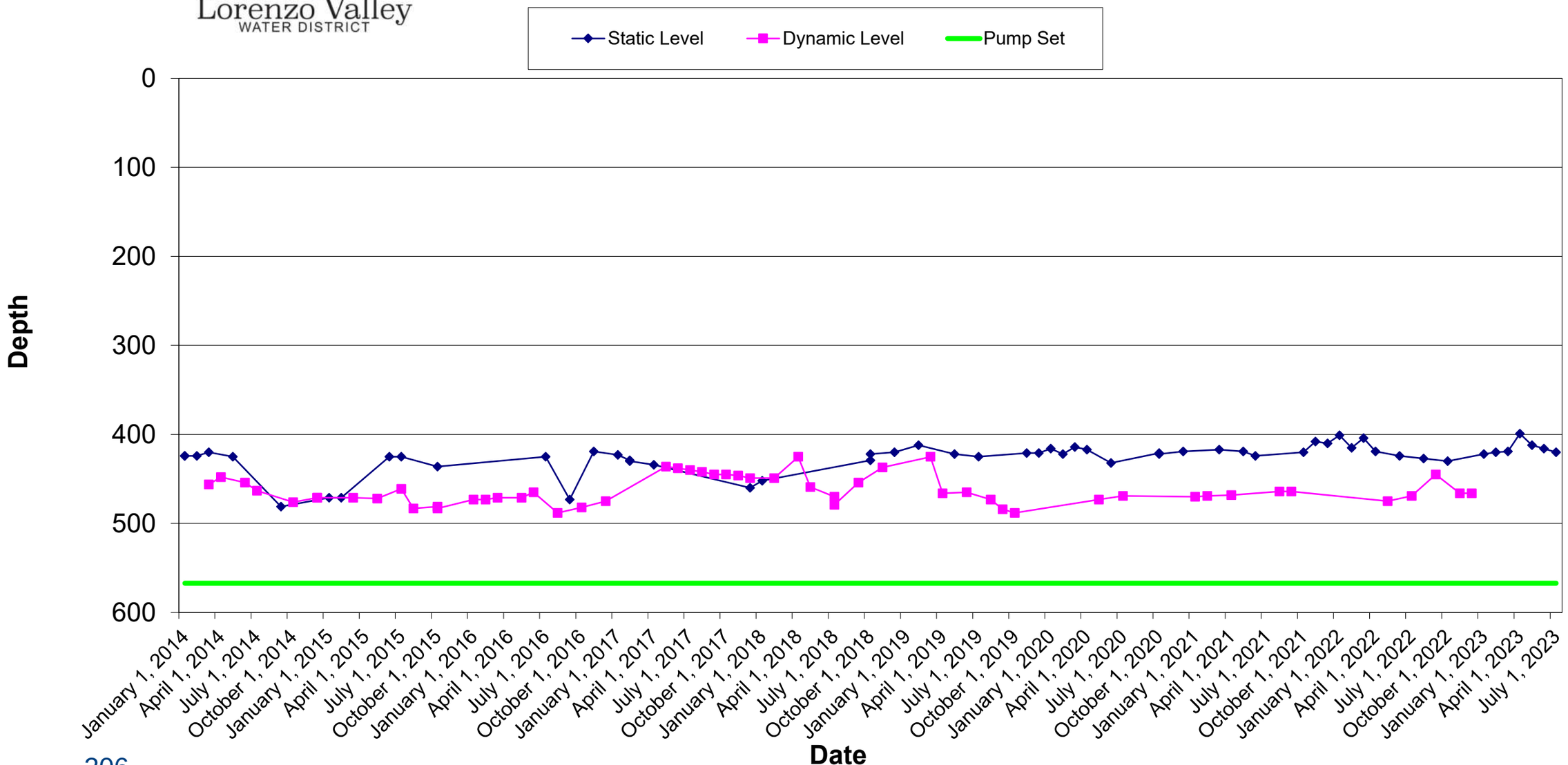
Location: 7701 E. Zayante Rd
Elevation: 538' Mean Sea Level
Installed: 8-15-90
State Well #: 4410014-022
Completed Depth:



OLY3 small

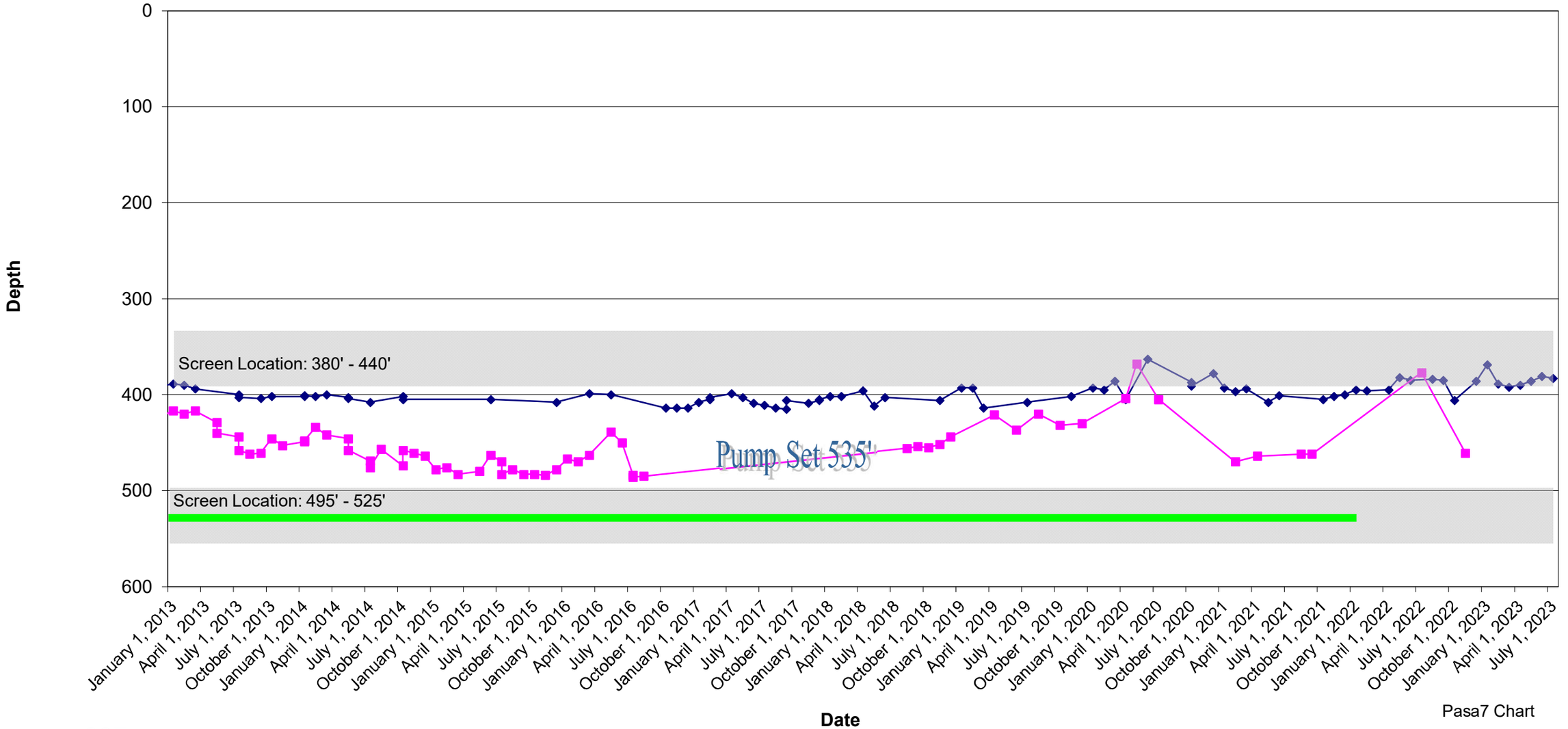
SAN LORENZO VALLEY WATER DISTRICT
Well Drawdown Report
Pasatiempo 5-A

Location: So. Of 3650 Graham Hill Rd
Elevation: 752'
Installed 1-1-14
State Well #:4410014-014
Completed Depth: 710'



SAN LORENZO VALLEY WATER DISTRICT
Well Drawdown Report
Pasatiempo 7

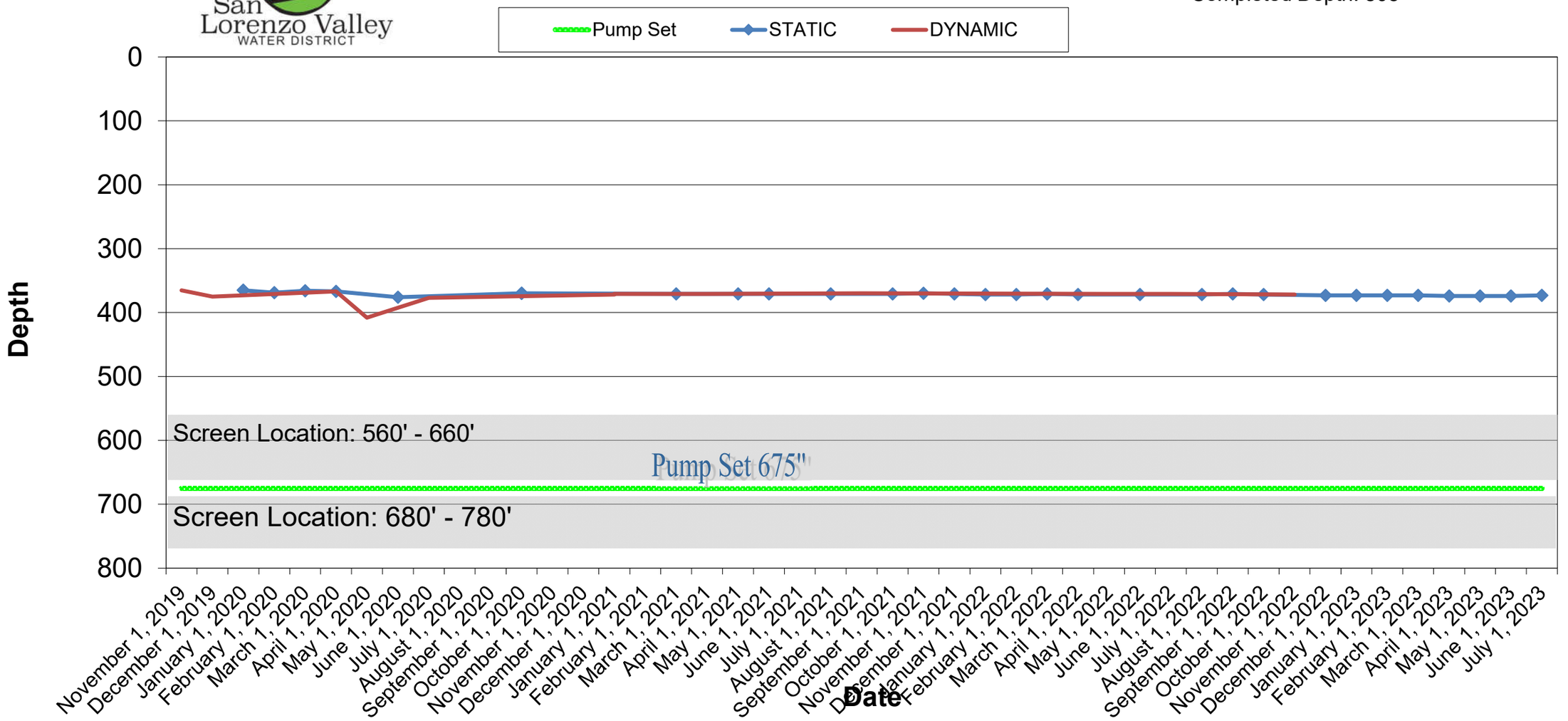
Location: South of Probation Center
Elevation: 734' MSL
Installed: July 21,1990
State Well #: 4410014-024
Completed Depth: 540'



Pasa7 Chart

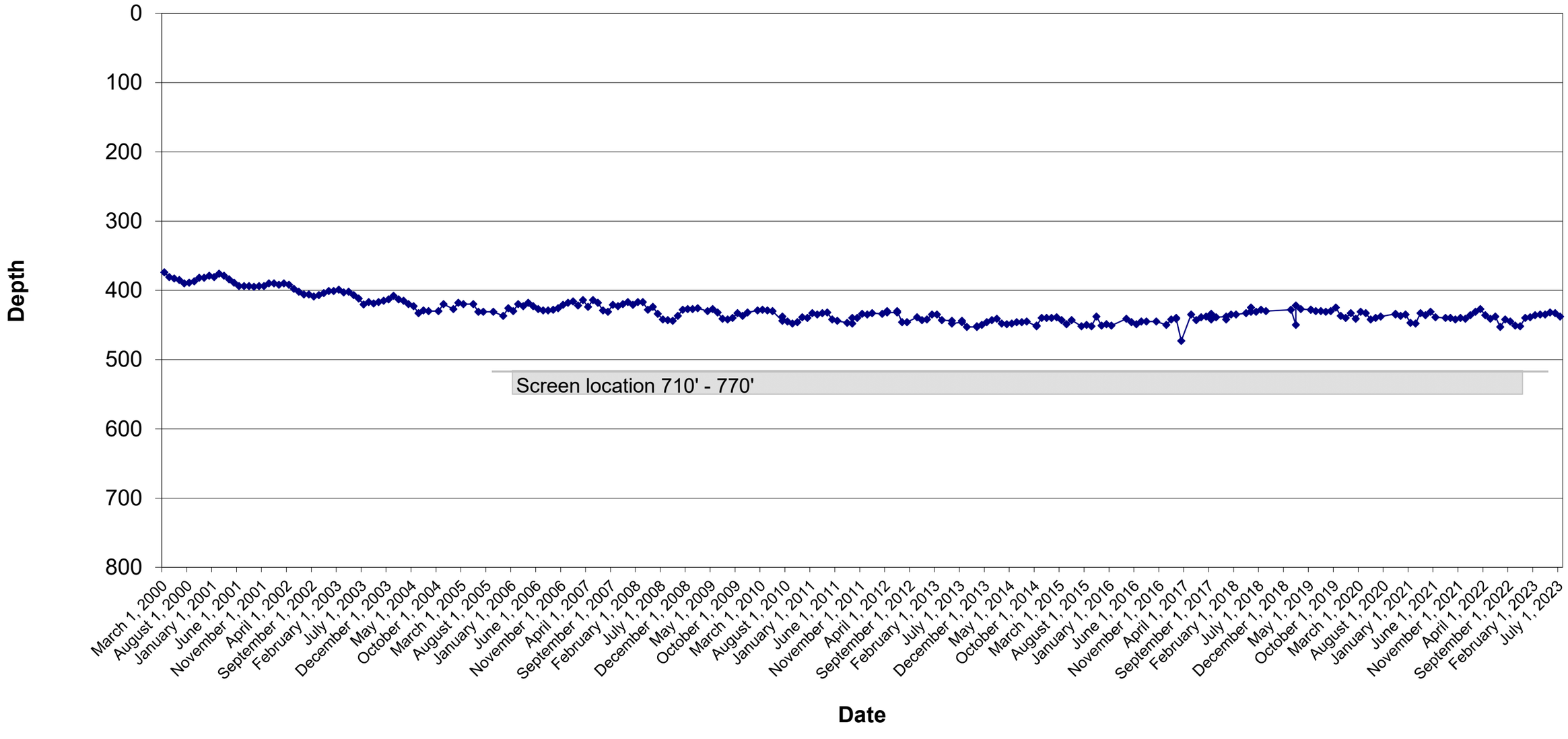
SAN LORENZO VALLEY WATER DISTRICT
Well Drawdown Report
Pasatiempo 8

Location: Behind 3650 Graham Hill Rd.
Elevation: 775'
Installed: 11-20-2019
State Well #: 4410014-041
Completed Depth: 805'



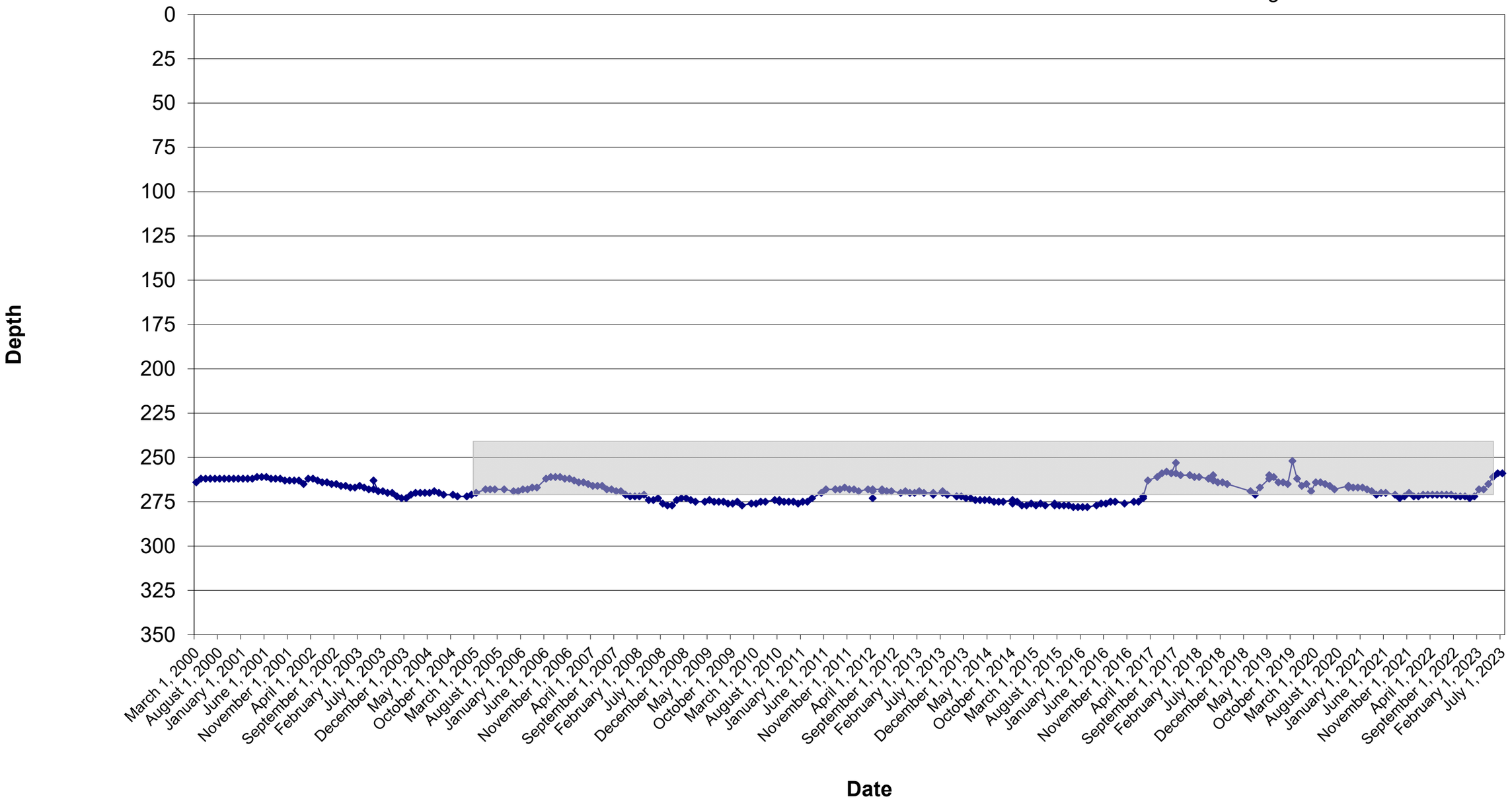
SAN LORENZO VALLEY WATER DISTRICT
Well Drawdown Report
Pasatiempo Monitoring Well 1

Location: Behind 3650 Graham Hill Rd
Elevation: 775'
Installed: 4/91
State Well #: N/A
Completed Depth: 780'
Lompico Sandstone



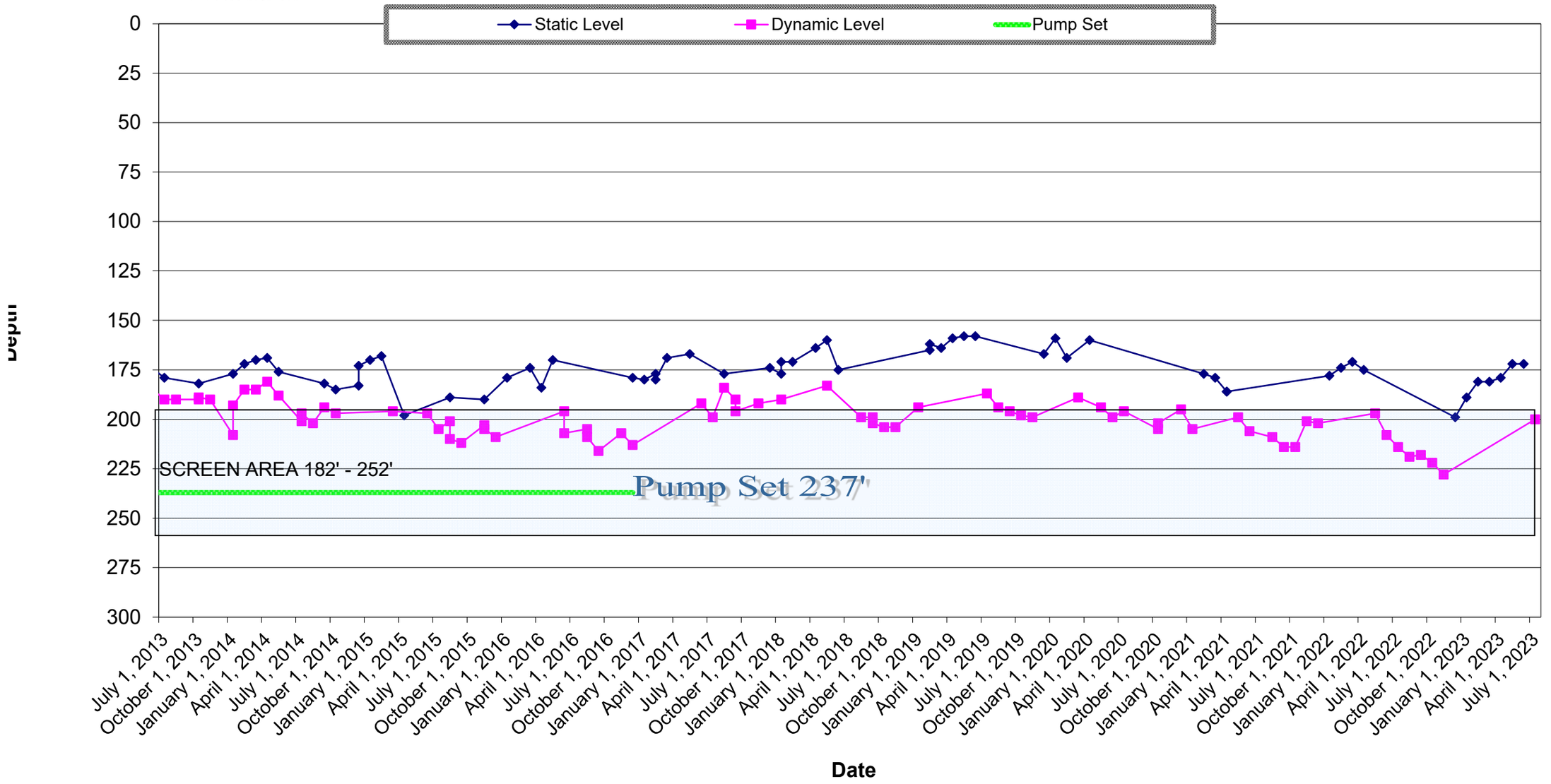
SAN LORENZO VALLEY WATER DISTRICT
Well Drawdown Report
Pasatiempo Monitoring Well 2

Location: Behind 3650 Graham Hill Rd.
Elevation: 775'
Installed: 4/91
State Well #: N/A
Completed Depth: 350'
Santa Margarita Sandstone



SAN LORENZO VALLEY WATER DISTRICT
Well Drawdown Report
Quail Well 4-A

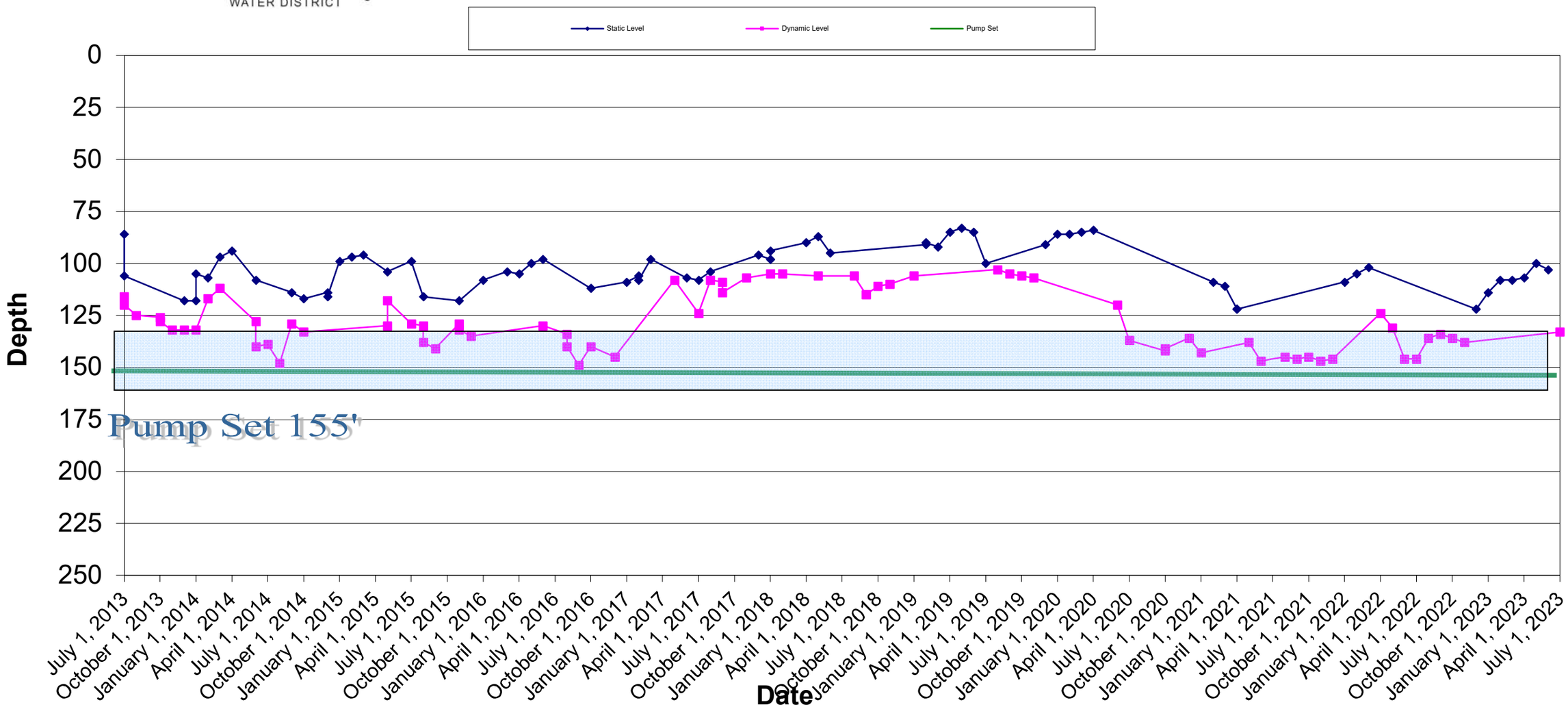
Location: Cumora Ln. Ben Lomond
Elevation: 596.54 ft @ Pad
Installed: 6-07-2001
State Well #: 4410014-026
Completed Depth: 265



8/8/2023 10:03 AM

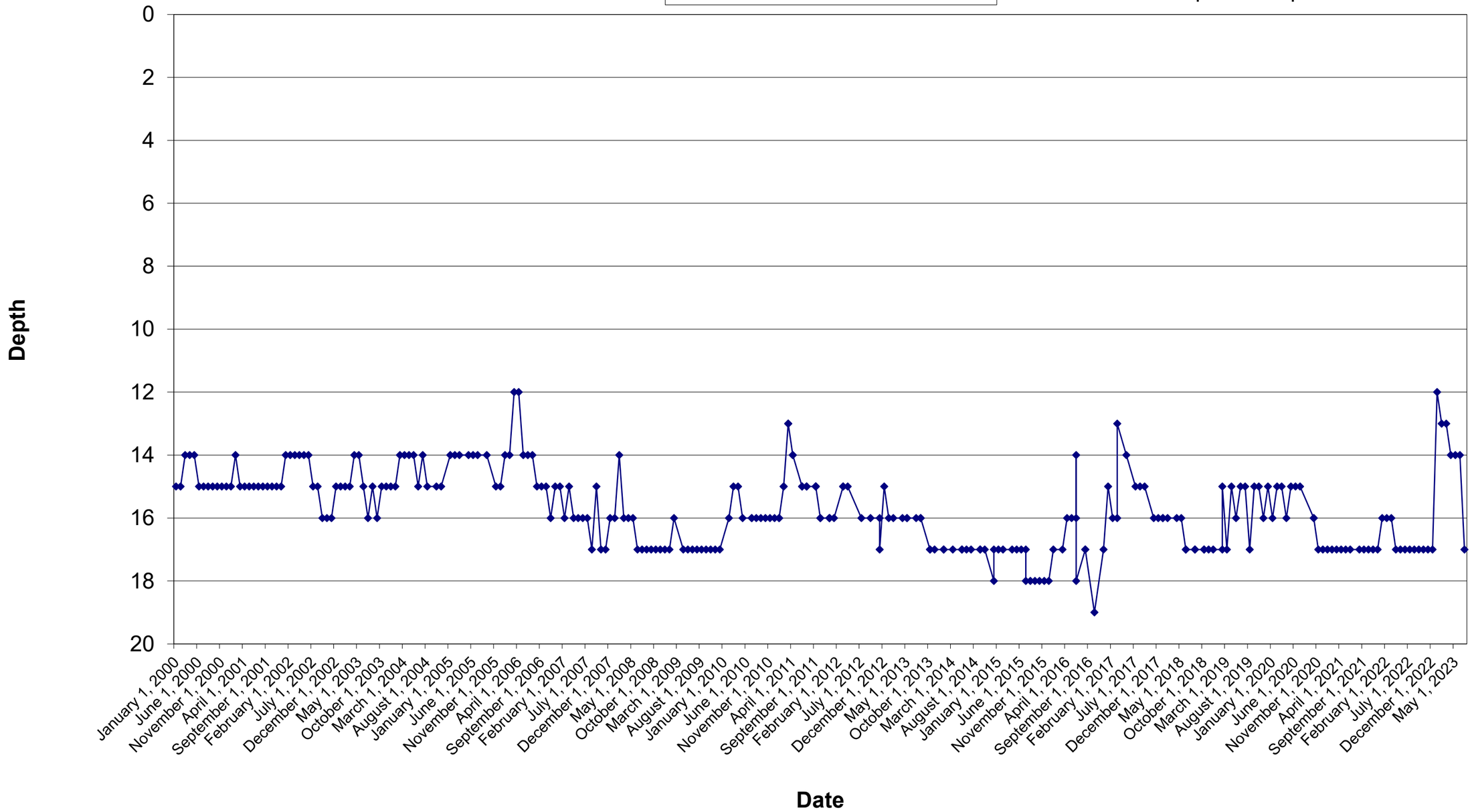
SAN LORENZO VALLEY WATER DISTRICT
Well Drawdown Report
Quail Well 5-A

Location: 1161 Quail Hollow Rd.
Ben Lomond
Elevation: 517.65 ft. @ Pad
Installed: March 2000
State Well #: 4410014-025
Completed Depth: 174'



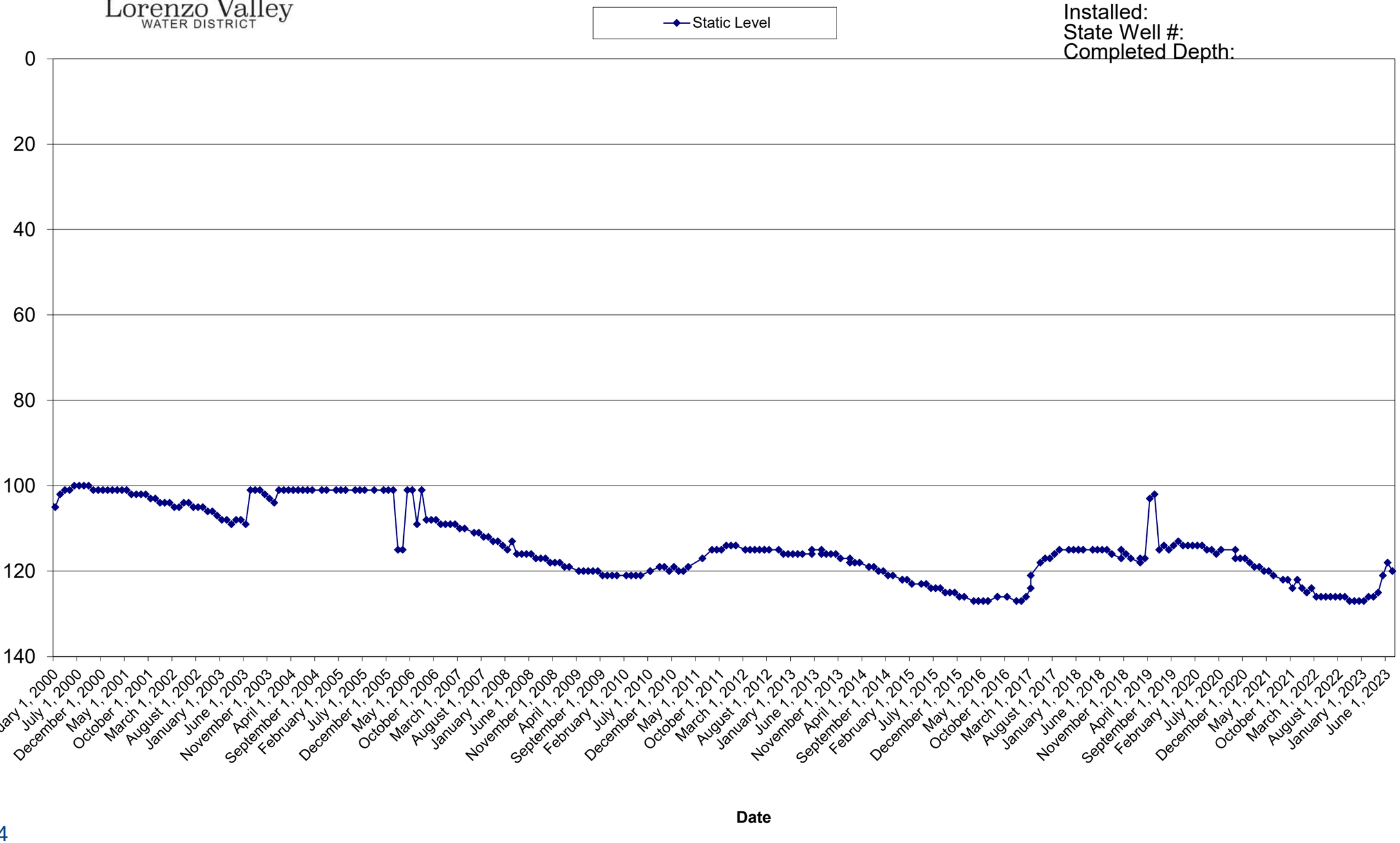
SAN LORENZO VALLEY WATER DISTRICT
Well Drawdown Report
Quail Monitoring Well A

Location: North of Quail Hollow Rd.
Near Santa Cruz Aggregate
Elevation: 425' MSL
Installed:
State Well #:
Completed Depth:



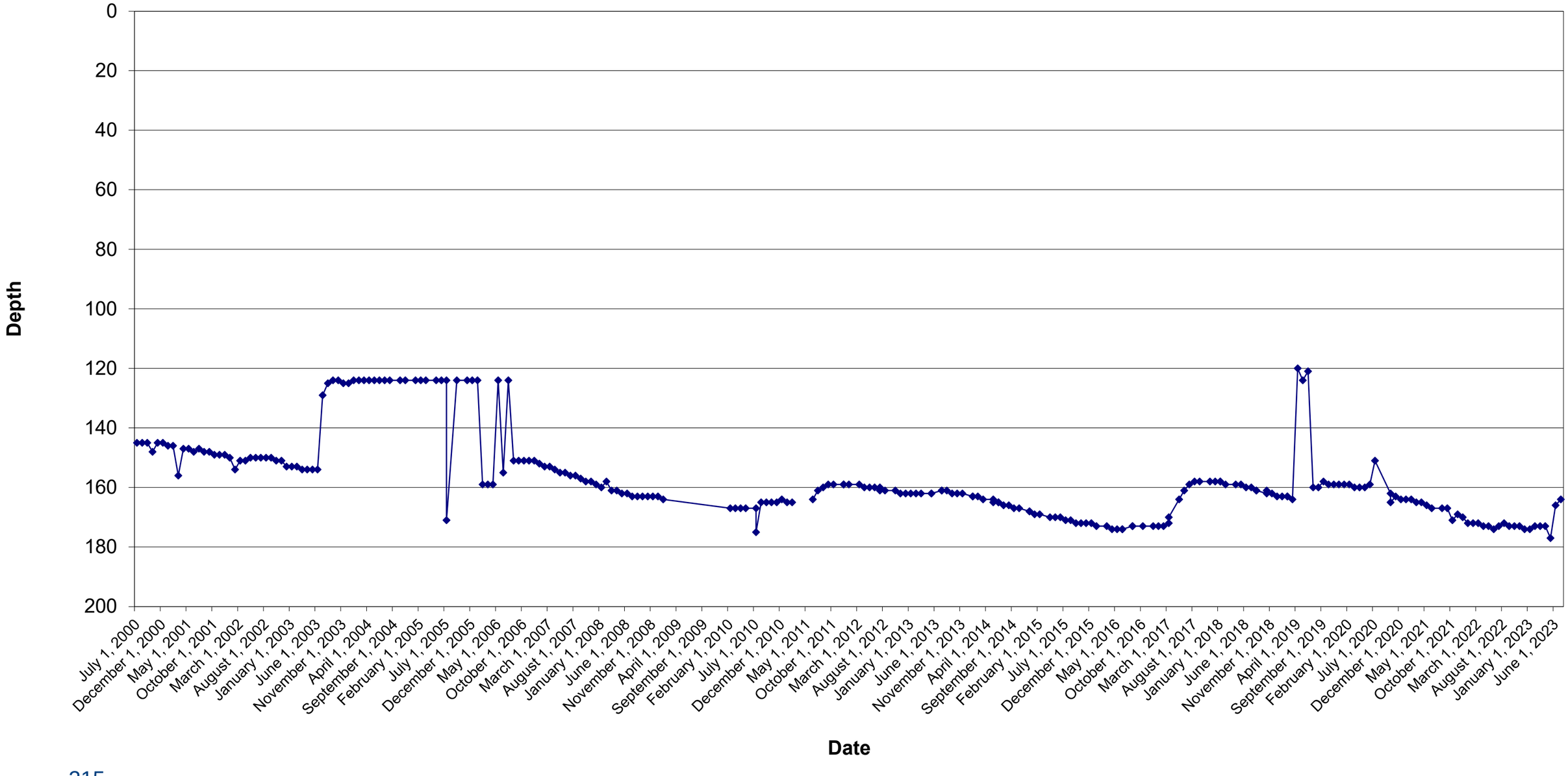
SAN LORENZO VALLEY WATER DISTRICT
Well Drawdown Report
Quail Monitoring Well B

Location: West of Quail Hollow Rd.
Near Quail Hollow Ranch Entrance
Elevation: 593 ' MSL
Installed:
State Well #:
Completed Depth:

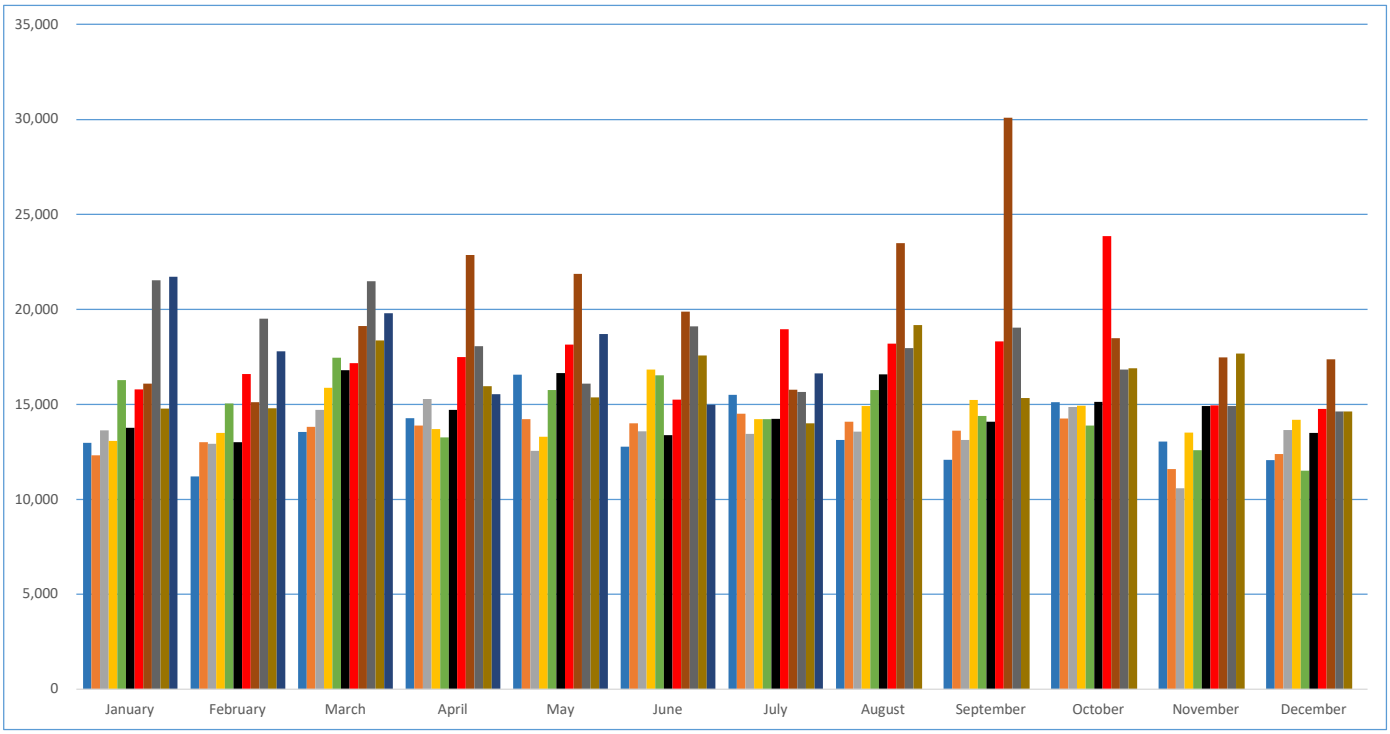


SAN LORENZO VALLEY WATER DISTRICT
Well Drawdown Report
Quail Monitoring Well C

Location: Top of Hill North of Quail Hollow Rd.
Elevation: 650' Mean Sea Level
Installed:
State Well #:
Completed Depth:

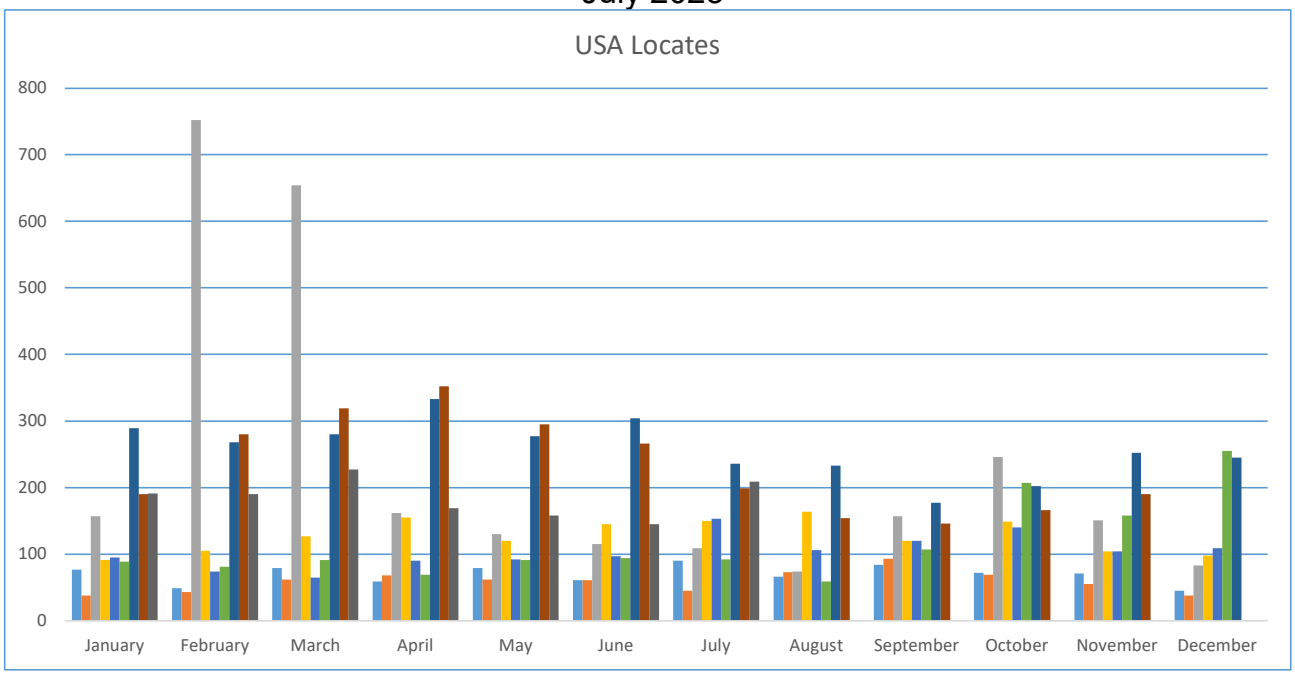


SAN LORENZO VALLEY WATER DISTRICT
VEHICLE MILEAGE
July 2023



Month	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
January	12,976	12,317	13,633	13,082	16,286	13,763	15,790	16,088	21,532	14,776	21,727
February	11,201	13,015	12,934	13,505	15,045	13,003	16,599	15,113	19,513	14,800	17,793
March	13,558	13,817	14,714	15,882	17,451	16,809	17,167	19,132	21,481	18,377	19,806
April	14,283	13,883	15,279	13,704	13,270	14,711	17,488	22,868	18,068	15,953	15,539
May	16,560	14,228	12,550	13,290	15,757	16,646	18,156	21,879	16,099	15,367	18,706
June	12,780	14,000	13,582	16,841	16,534	13,390	15,249	19,882	19,108	17,584	14,985
July	15,497	14,519	13,441	14,228	14,229	14,242	18,955	15,775	15,653	14,013	16,641
August	13,136	14,096	13,569	14,923	15,761	16,576	18,194	23,496	17,973	19,173	
September	12,087	13,622	13,137	15,229	14,388	14,094	18,321	30,095	19,039	15,342	
October	15,120	14,261	14,868	14,924	13,880	15,126	23,864	18,486	16,831	16,904	
November	13,046	11,594	10,591	13,510	12,598	14,908	14,942	17,473	14,914	17,681	
December	12,060	12,394	13,648	14,187	11,512	13,492	14,763	17,372	14,633	14,630	
Totals	162,304	161,746	161,946	173,305	176,711	176,760	209,488	237,659	214,844	194,600	125,197

SAN LORENZO VALLEY WATER DISTRICT
OPERATIONS DEPARTMENT
July 2023



Month	2015	2016	2017	2018	2019	2020	2021	2022	2023
January	77	38	157	91	95	89	289	190	191
February	49	43	752	105	74	81	268	280	190
March	79	62	654	127	65	91	280	319	227
April	59	68	162	155	90	69	333	352	169
May	79	62	130	120	92	91	277	295	158
June	61	61	115	145	97	94	304	266	145
July	90	45	109	150	153	92	236	199	209
August	66	73	74	164	106	59	233	154	
September	84	93	157	120	120	107	177	146	
October	72	69	246	149	140	207	202	166	
November	71	55	151	104	104	158	252	190	
December	45	38	83	98	109	255	245		
Total	832	707	2,790	1528	1245	1393	3096	2557	1289

811
Know what's **below.**
Call before you dig.

MINUTES
ENGINEERING/ENVIRONMENTAL COMMITTEE MEETING
August 4, 2023

Friday, August 4, 2023, 8:30 a.m., SLVWD Conference Room,12788 Highway 9, Boulder Creek.

MINUTES

1. **Convene Meeting**: 8:30 a.m.
   Roll Call

   Committee Members
   Mark Smolley, Chair
   Bob Fultz
   Alina Layng
   Mike Murphy
   Kevin O'Connor

   Staff
   Rick Rogers, District Manager
   Carly Blanchard, Environmental Programs Manager
   Garrett Roffe, Engineering Manager
   Scott Mattoch, Network Specialist
   Holly Hossack, District Secretary

   R. Rogers introduced Garrett Roffe, District Engineer

2. **Oral Communications**: None

3. **New Business**:

   a. RAINFALL TOTALS AND CHANGING THE DROUGHT STATUS
   C. Blanchard introduced and explained this item.

   Discussion by the Committee regarding:
   - SLVWD is below the State's requirements for conservation
   - Drought stage policy should be followed (Ordinance No. 106)
   - Rainwater capture
   - Groundwater health, needs to be replenished
   - Outreach regarding drought designation

- Availability of grants
- Enforcement of drought stage requirements

R. Moran, Ben Lomond, noted that the District used to have drought awareness signs at various places around the valley. He thinks Badger Meters are great.

B. Holloway, Boulder Creek, questioned the status of the North System.

EJ Armstrong, addressed the Committee to share his views of the drought.

A motion was made and seconded to recommend to the Board that the District move to Stage 1 Water Shortage designation.

The motion passed unanimously.

4. **Unfinished Business**:

a. ENVIRONMENTAL PROJECTS UPDATE

C. Blanchard and R. Rogers shared updates on ongoing Environmental projects.

Discussion by the Committee regarding:

- Fall Creek Fish Ladder progress
- Valley Gardens will serve status
- Conservation Plan
- Forest Pool lot
- Environmental Planner open position
- Loch Lomond allotment RFP
- Consolidation of Bracken Brae & Forest Springs
- Conjunctive Use Plan
- Lyon Treatment Plant access road
- Felton Heights Tank
- FEMA denial of tree work
- Peavine trail hike

R. Moran, Ben Lomond, questioned if he could participate in the Peavine hike.

B. Holloway, Boulder Creek, brought up the 2010 Loch Lomond Feasibility Study. He questioned the location of the Lyon pipeline.

5. **Adjournment**: 9:47 a.m.

MINUTES OF ADMINISTRATION COMMITTEE MEETING August 4, 2023

Covering Policy, Administration and Community Relations/Communications

Friday, August 4, 2023, 2:00 p.m., at the SLVWD Conference Room, 12788 Highway 9, Boulder Creek, CA and via video/teleconference.

MINUTES

1. **Convene Meeting**: 2:00 p.m.
   Roll Call

   Committee Members Present
   Dir. Ackemann, chair
   Dir. Hill
   Amanda DeJesus

   Mark Dolson attended virtually

   Staff Present
   Rick Rogers, District Manager
   Carly Blanchard, Environmental Programs Manager & Admin Assistant
   Garrett Roffe, District Engineer
   Holly Hossack, District Secretary
   Scott Mattoch, Network Specialist

2. **Oral Communications**: None

3. **Unfinished Business**: None

4. **New Business**:

   a. OUTREACH FOR RATE STUDY

   C. Blanchard explained this item and introduced Bill Maxfield of Miller Maxfield.

   B. Maxfield gave a presentation to the Committee for the CIP Projects and Rate Study Outreach & Communication Strategies.

   Discussion by the Committee regarding:
   - Add a wave and a faucet to the logo
   - Add the number of people effected by each project

- Emphasize regulatory requirements
- Use District vehicle to advertise
- Anticipate opposition
- Reiterate that this is a Cost of Service Study not a Rate Increase
- Costs of impact to specific groups (schools, mobile home parks, seniors, etc.)
- Advertise meetings on utility bill

M. Dolson, Ben Lomond, questioned the timeline for the process. He would like to learn more about the outreach.

- Advertise the meetings more than once a month in the newsletter

5. **Adjournment**: 2:57 p.m.

MINUTES OF BUDGET & FINANCE COMMITTEE MEETING August 8, 2023

Responsible for the review of District finances including: rates, fees, charges and other sources of revenue; budget and reserves; audit; investments; insurance; and other financial matters.

Tuesday, August 8, 2023, at 4:00 p.m., at the SLVWD Conference Room, 12788 Highway 9, Boulder Creek, CA and via videoconference and teleconference.

MINUTES

1. **Convene Meeting:** 4:00 p.m.
Roll Call

Committee Members - Present
Jeff Hill, Acting Chair
Jim Bahn
Monica Martinez
Jim Mosher

Gail Mahood was excused.

Staff – Present
Rick Rogers, District Manager
Kendra Reed, Director of Finance and Business Services
Garrett Roffe, District Engineer
Scott Mattoch, Network Specialist
Holly Hossack, District Secretary

2. **Oral Communications:**

R. Rogers introduced Garrett Roffe, District Engineer, to the Committee.

3. **Unfinished Business**:

a. RATE STUDY UPDATE
K. Reed introduced this item. The plan is still on schedule.

R. Rogers shared the Miller Maxfield presentation that was presented to the Admin Committee.

Discussion by the Committee regarding:

- The District will send out personal invitations to 25 highest users, chambers of commerce, business organizations, real estate offices, etc.
- Options for feedback
- FAQs; Why are we more expensive? Why have operating costs gone up?
- What happens with the input from the public? Raftelis will offer options and then the Board will have to decide what to do.
- Extra meetings

B. Holloway, Boulder Creek, said that he is happy with the Santa Cruz Water rate schedule. They have a 10/90 split between volumetric and set charges.

Raftelis will provide options once they have completed the Cost of Service Study.

4. **New Business**:

a. CAPITALIZING LABOR COSTS

K. Reed introduced and explained this item. It was informational only.

Discussion by the Committee regarding:

- FEMA allows administrative costs to be capitalized in category Z
- Consultants are capitalized
- This affects the balance sheet but not the cash flow
- We should track the expenses we spend on tracking
- The budget has doubled its amount of work due to capital projects
- Administrative FEMA funds go into non-operating revenue

B. Holloway, Boulder Creek, questioned if the District Manager's time is capitalized in category Z. (yes)

Discussion by the Committee regarding:

- Tracking the cost of running the agency

5. **Adjournment**: 4:40 p.m.