Humboldt Bay Municipal Water District 828 7th Street, Eureka

Agenda for Regular Meeting of the Board of Directors

March 14, 2024

Meeting Start Time: 9:00 AM

District Mission

Reliably deliver high-quality drinking water to the communities and customers we serve in the greater Humboldt Bay Area at a reasonable cost. Reliably deliver untreated water to our wholesale industrial customer(s) at a reasonable cost. Protect the long-term water supply and water quality interests of the District in the Mad River watershed.

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Members of the public may join the meeting online at:
https://us02web.zoom.us/j/86710296323?pwd=MjZldGxRa08wZ0FWOHJrUlNhZnFLQT09
Or participate by phone: 1-669-900-9128 Enter meeting ID: 867 1029 6323 **Enter password:** 484138
If you are participating via phone and would like to comment, please press *9 to raise your hand.

How to Submit Public Comment: Members of the public may provide public comments via email until 5 p.m. the day before the Board Meeting by sending comments to office@hbmwd.com. Email comments must identify the agenda item in the email's subject line. Written comments may also be mailed to 828 7th Street, Eureka, CA 95501. Written comments should identify the agenda item number. Comments may also be made in person at the meeting.

Announcement recording of meeting: This meeting may be recorded to assist in the preparation of minutes. Recordings will only be kept 30 days following the meeting, as mandated by the California Brown Act.

Time Set Items:

8.2 Continuing Business	**McNamara & Peepe**	**9:15 AM**
10.1 Engineering	**Engineering**	**11:00 AM**
9.e New Business	**Critical Infrastructure (Closed Session)**	**1:30 PM**
8.1.d Continuing Business	**Instream Flow (Closed Session)**	**2:30 PM**
The Board will take a scheduled lunch break from 12:00 pm to 1:30 pm.		

1. **ROLL CALL**
2. **FLAG SALUTE**
3. **ACCEPT AGENDA**
4. **PUBLIC COMMENT**
   Members of the public are invited to address the Board on items not listed on the agenda that are within the scope and jurisdiction of the District. At the discretion of the President, comments may be limited to three minutes per person. The public will be allowed to address items on the agenda when the Board takes up that item. Under the Brown Act, the Board may not take action on any item that does not appear on the agenda.
5. **MINUTES**
   a. February 12, 2024, Special Board Meeting Minutes*- discuss and possibly approve
   b. February 8, 2024, Regular Board Meeting Minutes*- discuss and possibly approve
6. **CONSENT AGENDA** **-*These matters are routine in nature and are usually approved by a combined single vote unless*

an item is pulled for discussion
Media articles of local/water interest (Articles a-m)*- discuss and possibly approve

7. CORRESPONDENCE

a. Email from PG&E RE: Approval of Self Generation Incentive Program project*-discuss
b. Letter from DWR RE notification of annual schedule of fees*-discuss

8. CONTINUING BUSINESS

8.1 **Water Resource Planning**– Status report on water use options under consideration*-discuss

a. Local Sales
   i. Nordic Aquafarms-discuss
   ii. Trinidad Rancheria Mainline Extension-discuss
   iii. Blue Lake Rancheria Mainline Extension-discuss
   iv. Offshore Wind Heavy Lift Multipurpose Marine Terminal Project-discuss
b. Transport-discuss
c. Report out on Special Board meeting February 12-discuss
   i. Comment Summaries*-discuss
   ii. Blue Lake Rancheria Support letter*-discuss
   iii. News article from EPIC*-discuss
d. **CLOSED SESSION-** Instream Flow-discuss California Code, GOV § 54956.9 Confer with attorney Meredith Nikkel regarding exposure to litigation **(Time Set 2:30 pm)**

8.2 McNamara & Peepe (**Time Set 9:15 am)**

a. Status update
   i. Monthly Summary Report*-discuss
   ii. Quarterly virtual meeting February 29, 2024*-discuss
   iii. DTSC work order no 1 site investigation letter*-discuss
b. Site maps & historical sampling results (stormwater and well water)*-reference

8.3 **CLOSED SESSION-** Public Employee Performance Evaluation for General Manager pursuant to Section 54957(b)(1)-**This will be the last item on the agenda**

9. NEW BUSINESS

a. CSDA Board of Directors seat A nomination application*-discuss
b. Special Board Meeting March, 28, 2024 for Engineering Management Contract-3 Tank Seismic Retrofit and 1707 Petition*-discuss
c. New employee presentation
d. Sponsorship for the 29th annual Ruth Lake summer Festival*-discuss
e. **CLOSED SESSION-** Conference with District Legal Counsel Ryan Plotz Critical Infrastructure: Threat to Public Services or Facilities pursuant to Gov. Code 54957 **(Time Set 1:30 pm)**

10. REPORTS (from STAFF)

10.1 **Engineering – (Time set 11:00 am)**

a. Samoa Peninsula Waterline Right-of-Way Maintenance Project EIR*-status report
b. Essex Onsite Sodium Hypochlorite Generation Project-status report
c. Reservoirs Seismic Retrofit Project*-status report
d. Matthews Dam Advance Assistance Seismic Stability Project- status report
e. Status report re: Other engineering work in progress

10.2 **Financial**
a. FY 2024/2025 Budget Schedule*-discuss
b. February 2024 Financial Statement & Vendor Detail Report*-discuss and possibly approve
c. February 2024 Fieldbrook-Glendale contract revenue and Expense Summary*-discuss
d. Salary Survey Comparable Agencies*-discuss

10.3 **Operations**
a. February Operations Report*-discuss
b. Surplus Request: repair supplies*-discuss and possibly approve

11. DIRECTOR REPORTS & DISCUSSION

11.1 **General – comments or reports from Directors**

11.2 **ACWA**
Director Report, if any
a. ACWA AB 2257 Coalition*-discuss and possibly approve
b. ACWA Region 1 Board meeting*-report out
c. Resiliency Infrastructure funding*-discuss
d. ACWA Membership Committee Agenda*-report out
e. HBMWD support request for PFAS liability protection*-discuss and possibly approve

11.3 **ACWA – JPIA**
Director Report, if any

11.4 **Organizations on which HBMWD Serves**
a. RCEA*– report out
b. RREDC*– report out

ADJOURNMENT

ADA compliance statement: In compliance with the Americans with Disability Act, if you need special assistance to participate in this meeting, please contact the District office at (707) 443-5018. Notification 48 hours prior to the meeting will enable the District to make reasonable arrangements to ensure accessibility to this meeting. (Posted and mailed March 8, 2024.)

HUMBOLDT BAY MUNICIPAL WATER DISTRICT

Board of Directors Meeting

March 14, 2024

Snowy Ruth Lake
Photo by Larry Raschein

MINUTES

Humboldt Bay Municipal Water
The Wharfinger Building
1 Marina Way
Eureka, CA

Minutes for Special Meeting of the Board of Directors

February 12, 2024

1. **ROLL CALL**

President Latt called the meeting to order at 5:32 pm. Director Rupp conducted the roll call. Directors Fuller, Latt, Lindberg, Rupp, and Woo were present. General Manager John Friedenbach, and Board Secretary Contessa Dickson were present. Mary Gelinas was also present as facilitator.

2. **FLAG SALUTE**

President Latt led the flag salute.

3. **ACCEPT AGENDA**

ACTION: Motion to accept agenda
Maker: Director Lindberg **Second:** Director Woo **Vote:** 5-0 approve

4. **PUBLIC COMMENT**

No comment was received.

5. **CONTINUING BUSINESS**

5.1 **Water Resource Planning**

a. Instream Flow workshop

Non action item

Ms. Gelinas introduced the topic for the evening, discussing the outline, and expected outcomes.

i. WRP history

Non action item

Director Woo presented the history of Water Resource Planning.

ii. Water Rights

Non action item

Mr. Friedenbach introduced Austin Cho with Downey Brand who attended via phone. Mr. Cho spoke about the District's water rights and described what the upcoming reallocation could mean. He recapped those rights as it pertains to the Water Resource Planning 1707 Instream Flow dedication. He discussed the importance and the District's desire of maintaining local control of those water rights. A few clarifying questions were asked by the public and addressed by Mr. Cho.

iii. Instream Flow PowerPoint presentation

Non action item

Director Fuller presented the Instream Flow Dedication PowerPoint (attached). She discussed the District's mission, water use history, and next steps in the process. Director Fuller discussed the current flows from Ruth to Essex, the history of the District's water rights, and the components of the Instream Flow dedication.

Humboldt Bay Municipal Water
The Wharfinger Building
1 Marina Way
Eureka, CA

Minutes for Special Meeting of the Board of Directors
February 12, 2024

iv. Public discussion / breakout session
Non action item

Ms. Gelinas asked for everyone to discuss their questions, likes, and concerns about the District's Instream Flow Dedication as presented. See summaries attached.

v. Summary
Non action item

Many questions were asked by the public and answered by Mr. Friedenbach and members of the Board.

ADJOURNMENT

The meeting adjourned at 7:29 pm.

Attest:

Neal Latt, President

J. Bruce Rupp, Secretary/Treasurer

Instream Flow Workshop
Comment Summaries
February 12, 2024

Questions of Clarification

Industrial & Transport

- Are the flows reserved for industrial, use currently flowing to the ocean, is this costing the District money?
- How many GPD is being sold or "transported" to local CSD (Manilla, Blue Lake, Arcata, etc.)
- How to prevent transport out of local area/Humboldt County
- How much industrial water for the fish farm?
- Allocation to munis-within or without of Humboldt County?
- If approved, would the 1707 petition dedication be subject to distribution if, say, a new industrial use sought some (or all) of the water that was dedicated in the petition (i.e. the 20 MGD)

Instream Flow Dedication

- Is dedication from Ruth to Essex or Ruth to mouth?
- Why not dedicate more to instream flow?
- Can Instream Flow dedication offset costs of infrastructure?
- How does the proposed Instream Flow dedication vary from natural flow?
- What studies are needed to determine instream flow impact?
- What would the impact be if instream water right did not exist in reach between hydro dam & diversion?
- Can Instream Flow model natural flow?

Release

- Why is the full water right not being release down channel currently?
- How would approval of this 1707 petition affect the District's existing releases/flow regimen from Ruth?
- What is the minimum release required from Ruth (MGD/CFS) to meet the District's average total domestic use? ("partial day delivery")
- What is the minimum flow out of the dam required for power generation?
- If the 1707 petition is approved, can the flow out of Ruth be increased to augment industrial use?

Water Rights/support

- Can this 1707 be supported by the governor?
- How do we please the state?
- How does the voluntary agreements affect the process? (avoid litigation)
- What is the difference between permits and licensing of water rights?
- Why Tribal beneficial resources not included in 1707 petition?
- The water rights run out in 2029, this process could take 20 years.
- NOAA has revoked support-want detailed analysis of flows, env. Effects etc. resolution?
- Since HBMWD is a great steward & entered this process- we want to retain local control, do you think the state will be favorable to our request?

Public/monitoring

- How unique is this? How well known is this to general public?
- Will this require monitoring such as gauging stations?

- What is a beneficial use?
- Could the public see the water quality and biological studies that were completed?
- Will this require monitoring such as gauging stations

Environment

- Is there flexibility on 20 MGD water use depending on season?
- Will temperature regulation of Instream Flows be a parameter affecting fish health (salmon, lamprey, trout, Sturgeon and albacore)

LIKES

-Water Rights

- Preserving local/public control of water rights (multiples of this comment)
- Supporting other riparian water rights, uses channel
- Protecting water rights
- Prevent others from taking our water
- Pursuing Instream Water rights

-River

- Climate change resilience of keeping water in Baduwa't
- Respect for nature
- Keeps river open and flowing to ocean
- Keeps water in the river
- Recreational opportunity
- Approval of the petition could benefit the river ecosystem
- Ancillary benefits-recreation, fishing
- That the District is willing to try putting water in the river

-Environment

- Declining impact of pot industry on water quality
- Wildlife benefits
- Good stewards/HCP
- Environmental benefits
- Benefit to Salmon Fisheries

-Water Control & Water Use

- Great water use
- Local control of water
- Not water bagging
- We don't have Water Board dictating our flows
- That it stays local
    - Retaining local control (multiples of this comment)

-HBMWD

- Level of knowledge of the Board
- This process!
- Not as concerned revenue stream

Concerns

Industrial & Transport

- Is there concern about losing the industrial use water portions since its not being fully used
- Will industrial development at harbor affect in-stream dedication?
- Will water be available for industrial diversion?
- 35 MGD being "transported" to other public agencies such as San Franscisco or the Central Valley
- Transport out of local area to vineyards, agriculture: Marin/Sonoma
- 27% is not enough to prevent water transport to public agency
- If another entity tries to claim our water
- Water division- can we increase Instream Flow and decrease transport to increase flow to the estuary?

Environmental

- Could there be detrimental effects on fish if the 1707 petition is denied? (e.g. increased water temps, increase in concentration of pollutants, etc.)
- Freshwater aquaculture?
- Wind power industry will damage good use of water in a healthy bay eco-system
- Will aquaculture divert aqua from instream flow?
- Are there issues below the pumps that are different than above the pumps?
- Similarly at the dam and above the dam?
- Keep flow high enough to keep river clean from human degradation
- In extreme drought how can we be sure there is enough water for instream flow?
- How much water instream is too much? (seasonal)
- Too much flow in the Mad River in the summer (major deviations in the hydrograph)
- Changes in the estuary salinity
- If no 1707, will lose fish populations and estuary conditions will decline
- We assume that the river needs our dam to maintain summer flows for fish, The fish were here before the dam
- Maintaining water and habitat above the dam
- Fire (Ruth Lake)- threat to water quality
- Timing of releases and quantity to mimic natural flows
- More flow data/fish surveys/models for mouth of river
- Access to petition for change/biological studies
- High turbidity in Mad River from surface run off
- Concern for the (Salmon) fisheries effect Instream Flow needs from Essex to the ocean?
- How can it be determined the impact of seasonal migration barriers with flow

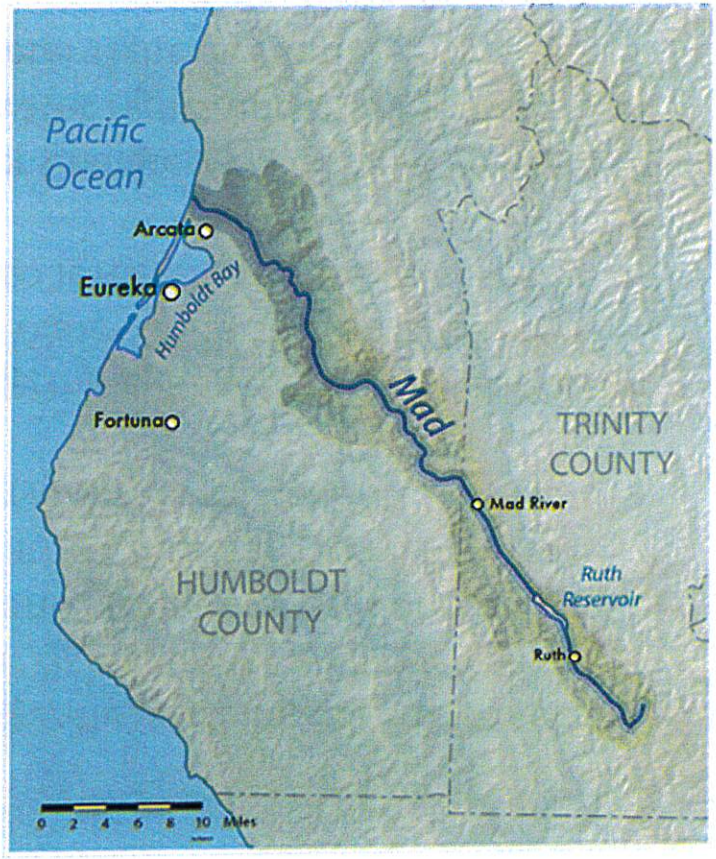
Munis/Admin/control

- Is that current use? Municipals: Arcata, Eureka, etc.?
- Continual outreach to tribes re: flow dedication process
- How often does this permit need to be renewed? (we need to say its permanent)
- Are we locking up rights that could address other beneficial uses?
- Increasing state-wide pressure for our water
- Litigation
- Administration changes/reevaluation
- Process taking too long

Flow/data

- Need more data (flow)
- Lack of flow data
- Valley. Especially with Eel River Dam removal and changing water rights in that basin.
- More flow data from tributaries-no flow gauges

Humboldt Bay Municipal Water District's Petition for Instream Flow Dedication



February 12, 2024 Public Workshop

SECTION 5.A PAGE NO. 7

Presentation Outline

- HBMWD Mission
- Water Use History & Water Resource Planning
- District Operations
- Instream Flow Dedication
- Next Steps

HBMWD History

Humboldt Standard

BUREKA, CALIFORNIA, TUESDAY EVENING, MAY 12, 1959

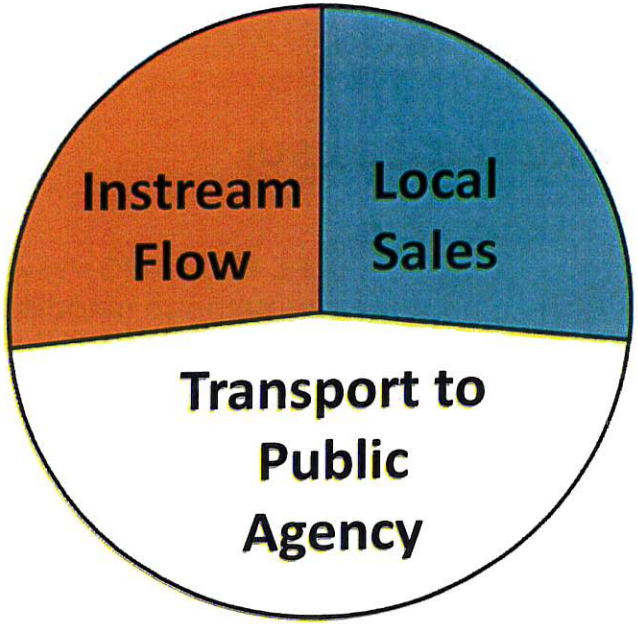
10c Per Copy 24 Pages Today

TWO PULP MILLS ANNOUNCE THEY WILL BUY WATER HERE

May 12, 1959

SECTION 5.a PAGE NO. 9

Water Resource Planning Advisory Committee

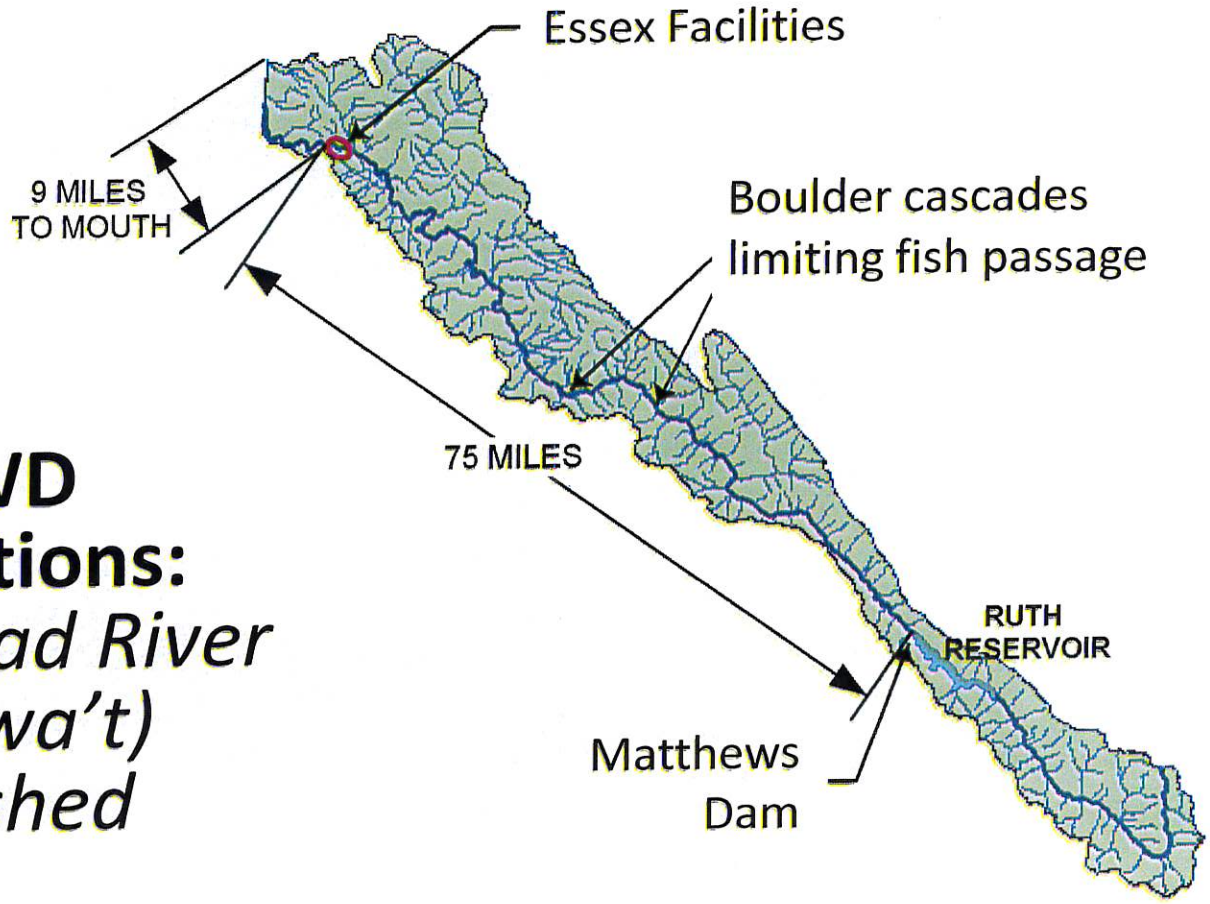


A selected group of District, municipal customer, and other stakeholder group representatives met regularly for over a year to reach consensus on recommended water uses.

The highest priority for the group was keeping the water rights under local control.

HBMWD Operations:

The Mad River (Baduwa't) watershed

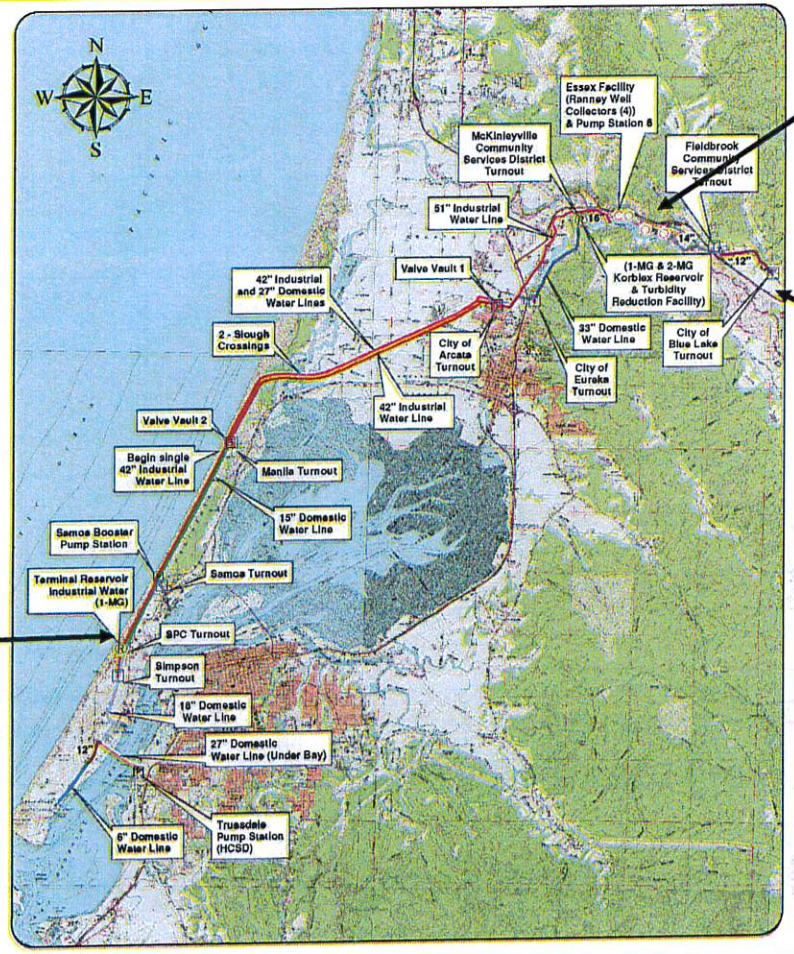


SECTION 5.C PAGE NO. 11

HBMWD Distribution Infrastructure

2 systems:
Domestic &
Industrial

Samoa
Peninsula



Essex Facility
Surface diversion and
Ranney Wells

Mad River

SECTION 5.0 PAGE NO. 12

Instream Flow Project Funding

$693,408 grant funding

WCB
State of California
Wildlife Conservation Board

In-kind support from:

MAD RIVER ALLIANCE

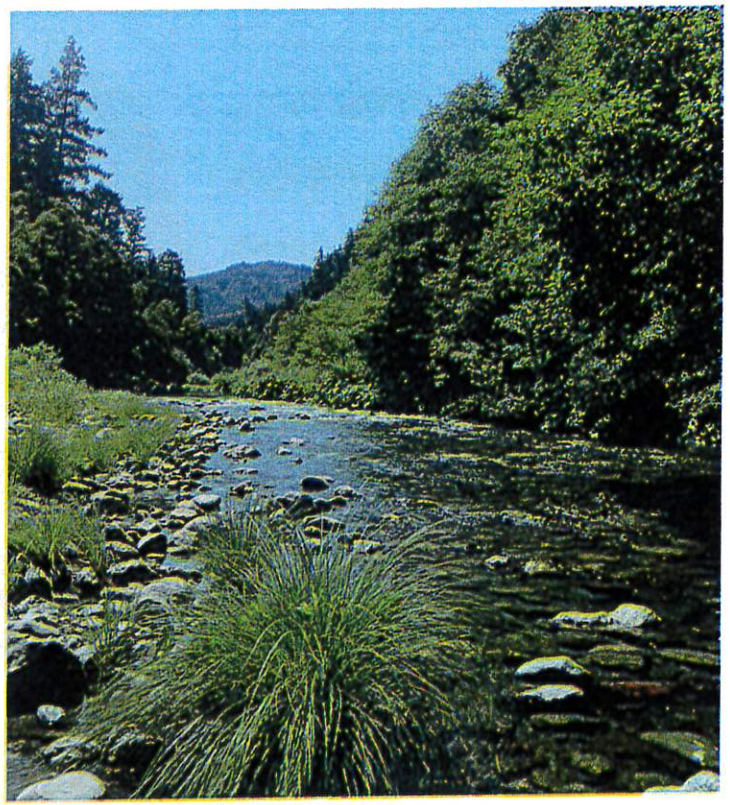
H.T. HARVEY & ASSOCIATES
Ecological Consultants

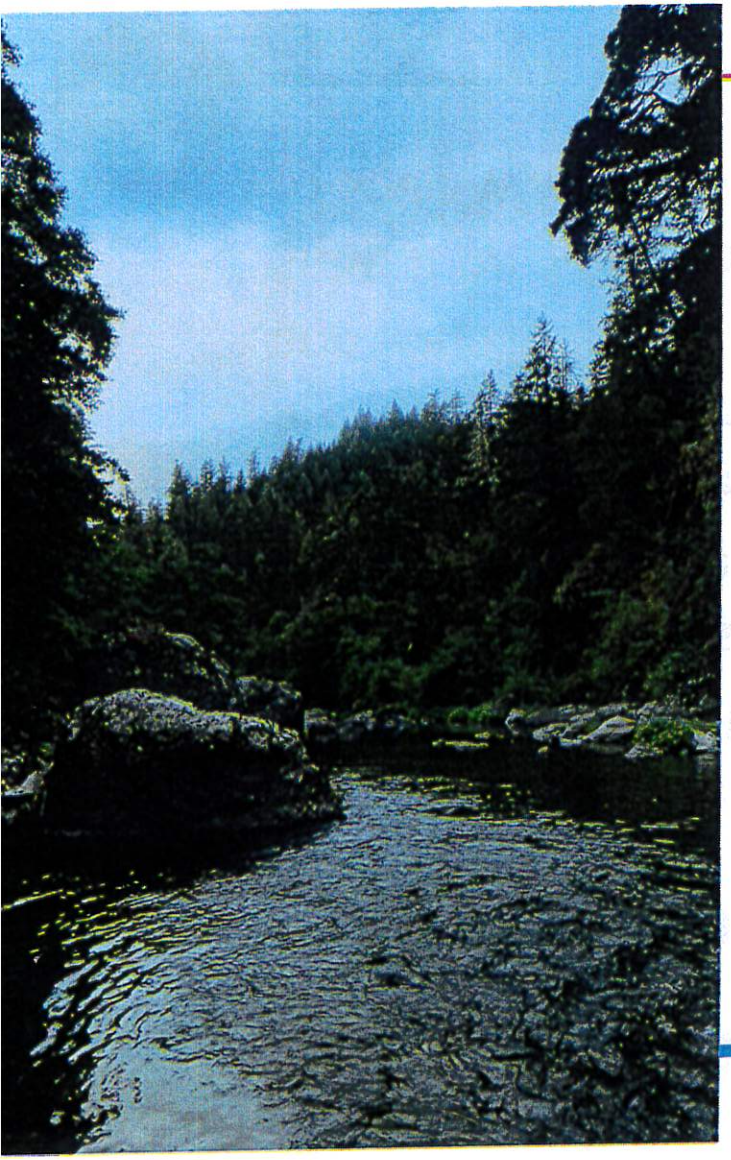
Stillwater Sciences

HUMBOLDT BAY MUNICIPAL WATER DISTRICT EST. 1956

Potential Benefits of Instream Flow Dedication

- Water Quality improvements primarily benefit the first 10 miles downstream of Matthews Dam by decreasing water temperature.
- Improve watershed resilience to climate change (groundwater recharge)
- Maintain local control of water right





Challenges

- Consumptive use analysis data gaps.
- Lack of data on tributary inputs.
- Proposed "change" is current operation.

Thank You

HBMWD Instream Flow Committee:

Michelle Fuller – HBMWD Vice President

Fuller@hbmwd.com

Sheri Woo, PE – HBMWD Director

John Friedenbach – General Manager

hbmwd.com

Check website for meeting info, reports, and contact us!

SECTION 5.0 PAGE NO. 110

Humboldt Bay Municipal Water District 828 7th Street, Eureka

Minutes for Regular Meeting of the Board of Directors

February 8, 2024

1. **ROLL CALL**

President Latt called the meeting to order at 9:00 am. Director Rupp conducted the roll call. Directors Fuller, Latt, Lindberg, and Rupp were present. Director Woo was absent. General Manager John Friedenbach, Superintendent Dale Davidsen, Business Manager Chris Harris, and Board Secretary Contessa Dickson were present. District Engineer Nate Stevens was present for a portion of the meeting. Mary Gelinas was present for a portion of the meeting.

2. **FLAG SALUTE**

President Latt led the flag salute.

3. **ACCEPT AGENDA**

ACTION: Motion to accept Agenda
Maker: Director Fuller **Second:** Director Lindberg **Vote:** 4-0 to approve

4. **PUBLIC COMMENT**

No public comment was received.

5. **MINUTES**

January 11, 2024, Regular Board Meeting Minutes

ACTION: Motion to accept January 11, 2024 Minutes
Maker: Director Rupp **Second:** Director Lindberg **Vote:** 4-0 to approve as revised

Director Lindberg brought attention to item 9.b.2, officer and committee assignment. RRDEC was missing from the description.

6. **CONSENT AGENDA**

ACTION: Motion to accept Consent Agenda
Maker: Director Fuller **Second:** Director Rupp **Vote:** 4-0 to approve

7. **CORRESPONDENCE**

Non Action item

Letter received from the California Coastal Commission re: Emergency sand replenishment to address the HBMWD's threatened water main along New Navy Base Road

Mr. Friedenbach discussed and showed pictures of the District's pipeline that has been exposed in this area. On January 9th sand was used to cover the pipeline, which within several weeks was washed away. County roads is planning to place some hardening in this section of erosion next week.

8. **CONTINUING BUSINESS**

8.1 **Water Resource Planning**:

a. Local Sales:

i. Nordic Aquafarms:

Non Action item

No update was reported.

ii. Trinidad Rancheria Mainline Extension:

Non Action item

Staff met with the Rancheria staff. The status of the project was discussed.

iii. Blue Lake Rancheria Mainline Extension

Non Action item

Staff and Counsels are reviewing CEQA requirements for this project. HBMWD and Rancheria staffs conducted a site visit to view potential transmission line tie-in and meter locations.

iv. Offshore Wind Heavy Lift Multipurpose Marine Terminal Project

Non Action item

The Humboldt Bay Harbor District is to provide HBMWD with the total water demand estimates for their master plan development sometime in February.

b. Transport

Non Action item

No update was reported.

c. Instream Flow

Non Action item

District staff and counsel met with Water Board staff to clarify comments received on the draft petition for change application. Next step will be to evaluate draft comments by the Water Board staff for incorporation into the petition for change submittal to the Water Board. A Special Board Meeting Study Session regarding the draft petition for change will be held at the Eureka Wharfinger Building at 5:30 Monday February 12, 2024. The Board suggested inviting Meredith to the March Board meeting.

i. Special Board Meeting Draft Agenda February 12, 2024

Non Action item

Staff reviewed the draft Agenda for the Special Board Meeting for February 12. Mary Gelinas who has been asked to facilitate this meeting, expressed her gratitude to the Board for their work and service to the region. Mary then walked the Board through the outline of the meeting, highlighting the desired outcome: participants understand what Instream Flow means and the context for this initiative.

8.2 McNamara & Peepe

a. February 2023 Groundwater Sampling Report

Non Action item

Mr. Friedenbach discussed sampling results report released by DTSC notifying that they had completed its review of the first half 2023 Groundwater Monitoring. This was roughly a year after the sampling was taken. The historical sampling results were updated in the packet this month. There is a large variance in sample results at various locations which will be questioned during the next quarterly meeting. A short discussion ensued.

b. Quarterly virtual meeting rescheduled to February 29, 2024

Non Action item

No update was reported due to the meeting being rescheduled to February 29.

c. Site maps & historical sampling results (stormwater and well water)

Non Action item

These were updated and included for informational purposes.

8.3 **CLOSED SESSION-** Public Employee Performance Evaluation for General Manager pursuant to Section 54957(b)(1)

Closed session was conducted from 1:56 pm to 2:36 pm. The Board returned to open session with no reportable action.

9. NEW BUSINESS

a. District Safety Program

Non Action item

Annually, the District recognizes employees' diligence in practicing workplace safety by attending safety meetings, training, policies, protocols, and procedures, using safety equipment, and following the Safety Committee's suggestions. This is incentivized for all employees that follow these standards. There is one employee who is selected to receive the grand prize. This year's winner is Corey Borghino who was presented with a certificate and monetary reward by President Latt.

b. ACWA-JPIA H.R. LaBounty Safety Award Submittal

Non Action item

Mr. Friedenbach shared the safety award application submitted to the ACWA-JPIA. Winners will be announced at the Spring ACWA Conference. He noted that our application was submitted on behalf of the entire maintenance staff rather than by a single individual which exemplifies the safety culture at our District.

c. Humboldt Local Agency Formation Commission Call for Nominations for District Members to serve on LAFCo

Non Action item

No interest in seeking nomination was expressed by any director.

10. REPORTS (from STAFF)

10.1 **Engineering – (Time set 11:00 am)**

a. Samoa Peninsula Waterline Right-of-Way Maintenance Project EIR

Non Action item

No update was reported.

b. Collector 2 Rehabilitation Project

Non Action item

Last month Mr. Stevens reported that Layne had provided a draft of their final report that contained as-built drawings and an analysis of the pre- and post-testing that was performed. GHD has since reviewed the draft report, provided comments to Layne, and received a final report that incorporated GHD's comments. Layne submitted a final pay request and invoice for retainage. The final pay request is for $12,096.56, and the retainage invoice is for $123,377.92, for a total payment request of $135,474.48. The District's final contract value

with Layne is $2,467,558.40. Their total base plus additive bid items was $3,064,500. There were several items of work that did not end up being awarded to Layne. With that, the project is complete aside from work associated with grant closeout, and this should be Mr. Steven's last report on this project.

c. Essex Onsite Sodium Hypochlorite Generation Project

Non Action item

Last week GHD received the last submittal from PSI for the chlorine metering pump skids and associated electrical panels. GHD is currently reviewing that submittal. Once approved, PSI will assemble this equipment, which is the last piece of equipment needed from them before construction can commence. Concurrently, GHD is still completing the design for getting the equipment installed and integrated, and expecting to bid the project in the coming months.

i. CEQA Notice of Exemption for Essex Onsite Sodium Hypochlorite Generation Project

ACTION: Approval submission CEQA Notice of Exemption for Essex Onsite sodium Hypochlorite Generation Project

Maker: Director Fuller **Second:** Director Lindberg **Vote:** 4-0 to approve

After consultation with the District Engineer, it was determined that the project qualifies for a Categorical Exemption: Section 15301(b) – Existing Facilities, and Section 15302(c) – Replacement or Reconstruction. The Board found that the project qualifies for the Categorical Exemption. The Board directed staff to file the necessary CEQA paperwork for the project.

d. TRF Generator Project

Non Action item

No updates were received.

e. Reservoirs Seismic Retrofit

Non Action item

i. CEQA Notice of Exemption for Samoa Reservoir Seismic Retrofit

ACTION: Approval submission CEQA Notice of Exemption for Samoa Reservoir Seismic Retrofit

Maker: Director Rupp **Second:** Director Lindberg **Vote:** 4-0 to approve

After consultation with the District Engineer, it was determined that the project qualifies for a Categorical Exemption: Section 15301 – Existing Facilities, Class 1. The Board found that the project qualifies for the Categorical Exemption. The Board directed staff to file the necessary CEQA paperwork for the project.

ii. CEQA Notice of Exemption for Korblex Reservoirs Seismic Retrofit

ACTION: Approval submission CEQA Notice of Exemption for Korblex Reservoir Seismic Retrofit

Maker: Director Rupp **Second:** Director Lindberg **Vote:** 4-0 to approve

After consultation with the District Engineer, it was determined that the project qualifies for a Categorical Exemption: Section 15301 – Existing Facilities, Class 1. The

Board found that the project qualifies for the Categorical Exemption. The Board directed staff to file the necessary CEQA paperwork for the project.

f. Matthews Dam Advance Assistance Seismic Stability Project

Non Action item

No updates were reported.

g. Status report re: Other engineering work in progress

Non Action item

No update was reported.

10.2 **Financial**

a. Employee Handbook chapter 4 review

Non Action item

Ms. Harris provided chapter 4 of the Employee Handbook for the Boards review. The Board asked some clarifying questions.

b. Covid-19 CPP update and HBMWD Covid-19 sick leave

ACTION: The Board rescinded the HBMWD COVID-19 sick leave policy established in March 2023 and approved the revised District COVID-19 prevention program

Maker: Director: Lindberg **Second:** Director: Rupp **Vote:** 4-0 to approve

In March 2023 the Board approved the supplemental Covid sick pay program. Due to updated isolation guidelines, testing guidance, and public health order from Cal/OSHA, staff recommends the Directors rescind the HBMWD COVID-19 Sick Leave established in March, 2023, and recommends approval of the revised District COVID-19 Prevention Program.

c. January 2024 Financial Statement & Vendor Detail Report

ACTION: Approve the January 2024 Financial Statement and Vendor Detail Report of $636.560.46

Maker: Director Rupp **Second:** Director Lindberg **Vote:** 4-0 to approve

Ms. Harris presented the January 2024 financial report. The General Account balance is $1.4 million. The various investments balance is $10.4 million. The advanced charges are $5.6 million with a general reserve of $2.2 million.

d. January 2024 Fieldbrook-Glendale contract revenue and Expense Summary

Non Action item

This section of the report has been broken out for transparency. It used to be included in the main financial report, but this means of presentation is much easier to review at a glance.

10.3 **Operations**

December Operations Report:

Non Action item

Mr. Davidsen reported on the February Operations updates.

10.4 **Management**

Reschedule Director Dunes tour

Non Action item

Humboldt Bay Municipal Water District 828 7th Street, Eureka

Minutes for Regular Meeting of the Board of Directors

February 8, 2024

The Board rescheduled their Dunes tour to Saturday February 24, 2024, 10:00 am.

11. DIRECTOR REPORTS & DISCUSSION

11.1 **General – comments or reports from Directors**

12. No update was reported.

12.1 **ACWA**

Non Action item

Director Rupp reported he will be attending a Region 1 Board meeting this month.

12.2 **ACWA – JPIA**

Non Action item

Director Rupp reported out on his experience attending the ACWA JPIA Strategic Planning conference. Suggesting the District pursue its own strategic plan, the Board concurred.

12.3 **Organizations on which HBMWD Serves**

a. RCEA:

Non Action item

No update was reported due to Director Woo, the RCEA committee Board representative, being absent.

b. RREDC:

Non Action item

President Latt reported out on the January 22, 2024, RREDC monthly meeting, highlighting a presentation given on offshore wind during the meeting.

ADJOURNMENT

The meeting adjourned at 2:37 pm.

Attest:

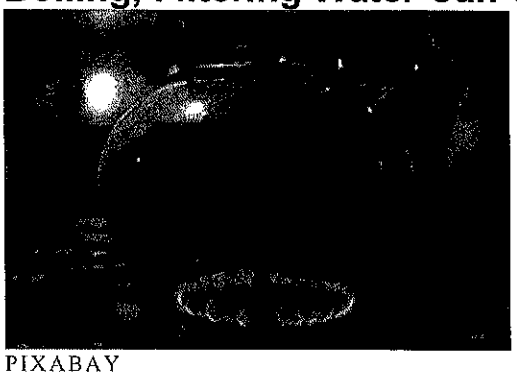
Neal Latt, President

J. Bruce Rupp, Secretary/Treasurer

CONSENT

Published at theYale School of the Environment
FEBRUARY 28, 2024

Boiling, Filtering Water Can Get Rid of Microplastics, Study Finds



PIXABAY

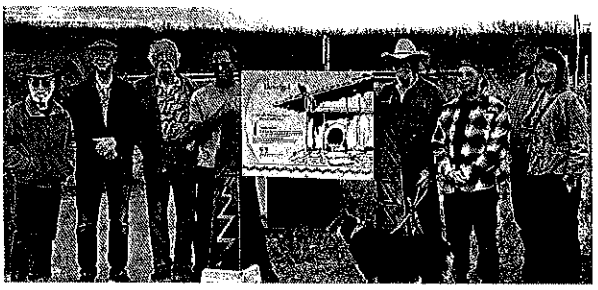
A new study finds that boiling and then filtering tap water can remove up to 90 percent of microplastics.

Minute particles of plastic, no larger than a grain of sand, have been found in every corner of the globe, from the bottom of the Tyrrhenian Sea, in the Mediterranean, to the clouds floating over Mount Fuji, in Japan. Shed from car tires, fleece sweaters, and myriad other plastic items, microplastics and even smaller nanoplastics are getting into our food and drinking water, and even the air we breathe. Scientists have found microplastics in blood and breast milk and in the lungs of people undergoing surgery — all troubling discoveries as microplastics have also been shown to damage human cells.
For the new research, scientists in China sought a cheap, easy way to remove microplastics from tap water. They added microplastics to soft and hard water and boiled it for five minutes, with promising results. When boiled, mineral-rich hard water yields calcium carbonate, which forms a chalky crust in pots and tea kettles. Scientists found that tiny flecks of calcium carbonate will ensnare plastic particles. These bits of calcium carbonate are large enough that they can then be removed by pouring the water through a coffee filter.

This approach is more effective in hard water than soft. The study, published in *Environmental Science & Technology Letters*, found that boiling soft water removed only around 25 percent of microplastics, while boiling hard water removed as much as 90 percent.

CALTROUT NEWS

Indigenous-themed Interpretive Signage Installed at Baduwa't Estuary Restoration Project



FOR IMMEDIATE RELEASE
February 16, 2024

Contact:
Mary Burke - mburke@caltrout.org - 707.599.1212

Local artist's design creates a powerful place-based experience for visitors at recently installed public access and restoration project site.

McKinleyville, CA – CalTrout, McKinleyville Community Services District, the Wiyot Tribe, Redwood Community Action Agency, and local artists collaborated to design and install interpretive signage at the site of a recently completed restoration and public access project at Baduwa't estuary. Baduwa't is now known as the Mad River but is not a direct translation.

The signage was installed on Monday, February 12, 2024 at the western end of School Road in McKinleyville. The new installation includes three interpretive signs with artwork by Alme Allen and Jullia Finkelstein. Over the past eight years, the sign's narrative was cultivated with the Wiyot Tribe, CalTrout's project manager Mary Burke, and Denise Newman with RCAA – whose designs artfully thread interpretive themes together. These signs welcome and orient visitors to the site and are held proudly between original pedestals designed by Alme Allen and fabricated by Nick Kieselhorst of Ironside Metal in Arcata to create a powerful sense of place.

Alme Allen, a local artist, carver and cultural teacher, designed the pedestals, and his art and storytelling are woven through the signs. "As a Karuk/Yurok person, I am pleased to bring my artistic interpretation to this project. Based on cultural values, the guardian monument structures deliver an old meaning to a new generation - a meaning that links people with place and the responsibility to care for the environment," he said, speaking of the project significance to him.

The entry sign hosts a welcome message that greets visitors and closer to the bluff, two additional signs provide thought provoking messages about traditional ecological knowledge and practices and the processes of renewal and balance.

Credit: Daniel Aipa

The site is now named Lhiwetgut, a Soulatluk word for this place chosen by the Wiyot Tribe. Lhiwetgut is part of the Wiyot Tribe's aboriginal territory and is now a habitat restored for the community to enjoy, learn about the land, and connect with the natural world. There is a QR code on the sign to help people learn how to pronounce Lhiwetgut.

Marnie Atkins, past Cultural Director for Wiyot Tribe, added, "Sharing the story of this place, its ecological significance, and our joint work towards restoration makes it a special location that will be enjoyed for generations to come."

The restoration and public access project was completed by CalTrout and partners in November 2022 and has quickly become a destination for the community to gather and connect with the natural world. Lhiwetgut includes a short ADA-accessible loop with two coastal overlooks, multiple benches, and a picnic table. Three ADA parking spaces can accommodate visitors who arrive by vehicle because the site is easy to access by walking and biking. Local residents from as far as Little Pond can easily reach the site through the trail system of the School Road Trail and the regional Hammond Trail – a part of the California Coastal Trail. Patrick Kaspari, General Manager of the McKinleyville Community Services District who owns and maintains the trail, said, "The McKinleyville CSD appreciates this opportunity to work with the Tribe and CalTrout to facilitate people's connection to this special place."
"Community building projects like this one, mark a new connection to the landscape and to each other. People return to this place again and again to walk the path and stand on the edge of the bluff for the chance to see the birds, deer, or maybe even harbor seals as they chase migrating salmon who are returning home." said Mary Burke, CalTrout's North Coast Regional Manager.

NPR

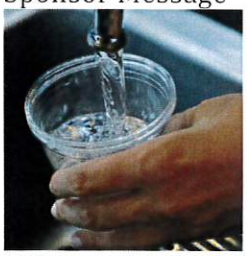
The EPA is proposing that 'forever chemicals' be considered hazardous substances

FEBRUARY 2, 20244:07 AM ET

By
Ayana Archie

Eva Stebel, water researcher, pours a water sample into a smaller glass container for experimentation as part of drinking water and PFAS research at the U.S. Environmental Protection Agency Center For Environmental Solutions and Emergency Response, Feb. 16, 2023, in Cincinnati.
Joshua A. Bickel/AP

The Environmental Protection Agency is proposing that nine PFAS, also known as "forever chemicals," be categorized as hazardous to human health.
The EPA signed a proposal Wednesday that would deem the chemicals "hazardous constituents" under the Resource Conservation and Recovery Act.
For the agency to consider a substance a hazardous constituent, it has to be toxic or cause cancer, genetic mutation or the malformations of an embryo. The full list of the nine substances can be found here.



HEALTH
'Forever chemicals' could be in nearly half of U.S. tap water, a federal study finds

The agency cited various studies in which forever chemicals were found to cause a litany of "toxic effects" in humans and animals, including, but not limited to cancer, a decreased response to vaccinations, high cholesterol, decrease in fertility in women, preeclampsia, thyroid disorders and asthma, the EPA said.

Short for "per-and polyfluoroalkyl substances," PFAS cover thousands of man-made chemicals. PFAS are often used for manufacturing purposes, such as in nonstick cookware, adhesives, firefighting foam, turf and more.

PFAS have been called "forever chemicals" because they break down very slowly and can accumulate in people, animals and the environment. Last summer, a study by the U.S. Geological Survey found that the man-made chemicals are present in nearly half the country's tap water supply.

Artificial turf contains dangerous chemicals like PFAS — and there's no way to discard it safely

The survey tested for 32 types of PFAS, though there are more than 12,000, the USGS said, and they can pose a health threat even at very small amounts.

In June, the chemical manufacturer 3M said it would pay about $10 billion in lawsuit settlements to help detoxify water supplies across the country, after plaintiffs claimed the company's firefighting foam and other products were responsible for contaminating tap water with PFAS.
The proposed rule will be open for public comment once it is uploaded to the Federal Register, under docket number EPA-HQ-OLEM-2023-0278.

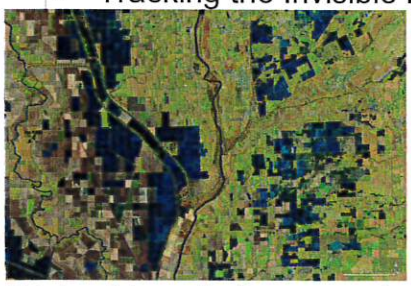
NASA

OpenET Study Helps Water Managers and Farmers Put NASA Data to Work

Emily DeMarco

FEB 01, 2024

- Tracking the Invisible Movement of Water



This is a false-color image, acquired December 26, 2018, with the OLI (Operational Land Imager) on Landsat 8, and shows flooded rice fields along the Sacramento and Feather Rivers. Inundated fields appear dark blue; vegetation is bright green.

NASA Earth Observatory / Lauren Dauphin

As the world looks for sustainable solutions, a system tapping into NASA satellite data for water management has passed a critical test.

Called OpenET, the system uses an ensemble of six satellite-driven models that harness publicly available data from the Landsat program to calculate evapotranspiration (ET)—the movement of water vapor from soil and plant leaves into the atmosphere. OpenET does this on a field-level scale that is greatly improving the way farmers, ranchers, and water resource managers steward one of Earth's most precious resources.

Researchers have now conducted a large-scale analysis of how well OpenET is tracking evapotranspiration over crops and natural landscapes. The team compared OpenET data with measurements from 152 sites with ground-based instruments across the United States. In agricultural areas, OpenET calculated evapotranspiration with high accuracy, especially for annual crops such as wheat, corn, soy, and rice. The researchers reported their findings on January 15 in *Nature Water*.

"I was pleasantly surprised by the results," said John Volk, lead author of the study and assistant research scientist and software engineer at Desert Research Institute in Reno, Nev. "The accuracy in croplands was quite strong, particularly in western arid regions, which are important areas for agriculture and have water sustainability challenges."

That's welcome news for regions where OpenET data is already being put to work. In Northern California's Sacramento-San Joaquin Delta, water resource managers are using OpenET to help farmers comply with state rules requiring them to report aspects of their water use. The new study "gives us more confidence that these numbers are accurate, and that OpenET is continually improving over time," said Lindsay Kammeier, a senior engineer with the California State Water Board in Sacramento, who was not involved in the new research.

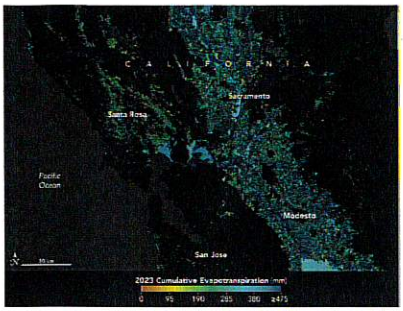
"ET is notoriously difficult to calculate," she added. "Having a really accurate number helps us to make decisions to manage the environment, manage for agricultural uses, and manage for urban uses better and from a common understanding."

Tracking the Invisible Movement of Water

While many people are familiar with what one inch of rainfall means, few stop to think about one inch of evapotranspiration returning to the atmosphere, said Forrest Melton, the OpenET project scientist at NASA's Ames Research Center in California's Silicon Valley. "OpenET is working to make the unseen process of evapotranspiration as easy to track as checking the amount of rainfall in the daily weather forecast."

Evapotranspiration is the natural process in which water moves to the atmosphere from the surface. The term combines evaporation—water changing from liquid to gas (vapor) and rising from soil, lakes, and oceans—and transpiration, the

"exhaling" by plants as they release moisture back into the air. After precipitation, evapotranspiration is one of the most important factors for estimating how much water is available for crops or other plants.



In California, state officials and farmers are using satellite data through OpenET to track evapotranspiration to better manage water resources. The process is a window into the water consumed by plants and crops, such as those grown in the Central Valley.

NASA Earth Observatory using openetdata.org

For farmers and water managers, accurate data provides a measure of the amount of water required through irrigation to replace the water that has been consumed by evapotranspiration. Knowing precisely how much water is available helps people give plants the moisture they need to flourish, without needing to apply too much. And that, in turn, can help save money for water and for the electricity used to pump water for irrigation.

But all that rising water vapor is invisible, making it difficult and expensive to track on the ground.

Farmers, scientists, and others previously relied on estimates of "potential evaporation" based on temperature, humidity, and other weather data. Or they turned to ground-based stations such as flux towers, equipped with sensors that monitor carbon dioxide, water vapor, and the exchange of heat between Earth's surface and the atmosphere—a process crucial to calculating evapotranspiration.

But while they tend to be highly accurate, flux towers are expensive to set up and maintain, so there are a limited number, and their data is local and cannot represent wider regions. That's where calculating evapotranspiration from space comes in. Satellites pass over the same areas regularly, offering consistent monitoring.

OpenET's primary observations come from the Landsat 8 and 9 satellites, a partnership between NASA and the U.S. Geological Survey. The satellites combine data on land surface temperatures and the greenness of plants, among other things. Cooler land surface temperatures over areas with healthier, denser vegetation, for example, usually indicate higher levels of transpiration.

That data is then fed into models to calculate evapotranspiration at high resolution—about a quarter of an acre for each image pixel.

The new results show that for agricultural lands, OpenET data for monthly, growing season, and annual timescales had an average error rate of about 10-20%.

The OpenET consortium includes NASA, USGS, and the U.S. Department of Agriculture working with Desert Research Institute and nearly a dozen other universities, Environmental Defense Fund, and Google Earth Engine.

For more information, go to: https://openetdata.org/

By: Emily DeMarco, NASA Earth Science Division

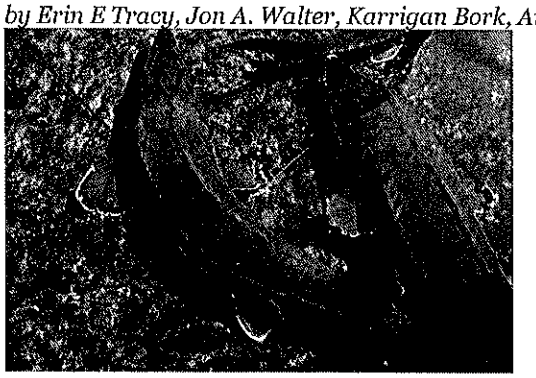
California WaterBlog

A biologist, economist, engineer and geologist walk onto a bar...

Green Sturgeon aren't Salmon: Updated life cycle models for management

Posted on February 4, 2024 by jaylund

by Erin E Tracy, Jon A. Walter, Karrigan Bork, Anna Steel, Francisco J Bellido-Leiva, Scott Colborne, Sarah Yarnell



Adult green sturgeon. Photo credit Dennis Cocherell

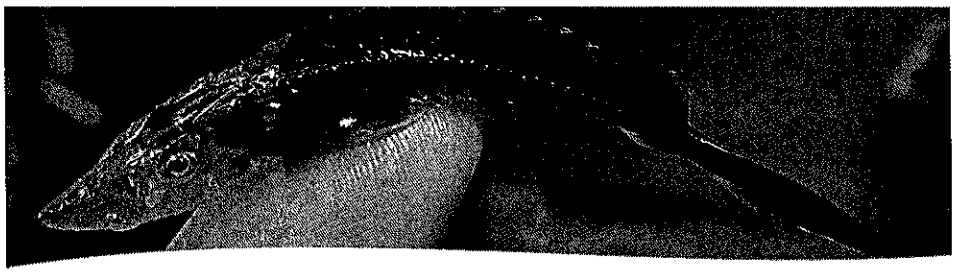
Over 65 million years ago, as *Tyrannosaurus rex* roamed the great plains, green sturgeon (*Acipenser medirostris*) were already roaming the world's waters. While these ancient fish survived the fall of dinosaurs, they are now in danger of extinction largely due to habitat degradation and losses from water management infrastructure and its operation (e.g., impairing flow, disrupting thermal regimes). While you would think the potential loss of a prehistoric giant (up to 8 feet long and hundreds of pounds) would capture the world's attention, the imminent sturgeon extinction has unfortunately been under the public radar. Reasons for the lack of attention include their cryptic behavior (moving unseen through deep murky waters) and their late maturity (not reproducing until around 15 years old). These traits make it harder to notice and document population declines. To combat these challenges, we are working on a life cycle model that could shed some light on sturgeon ecology.

Though their cryptic nature makes them difficult to study, we know their life history and habitat requirements are different from another prominent anadromous California fish, the salmon. Because salmon are highly visible both in their natural habitat and on our dinner plates, much is known about their habitat needs and life history. Additionally, salmon conservation has received wide public attention and current water management decisions often center on salmonid protection. Yet differences between salmon and sturgeon, such as their life span, spawning periodicity, physiology, habitat use, and historic and cultural significance, result in different and sometimes conflicting management needs. Protecting salmon doesn't necessarily protect sturgeon.

State and federal laws such as the Endangered Species Act (ESA) mandate sturgeon protection. The green sturgeon southern distinct population segment (sDPS), which spawns in California's Central Valley, is listed as threatened under the ESA. Protections from this status include prohibitions on "take"[1] and a requirement that federal agencies "insure that any action authorized, funded, or carried out by such agency . . . is not likely to jeopardize the continued existence of any endangered species," either directly, or through destruction or modification of the species' habitat (16 U.S.C. § 1536(a)(2).) This second provision requires agencies to analyze impacts of water management actions that support the life-blood of California's agriculture and economy. This includes operation of the Central Valley Project (CVP) and the State Water Project (SWP) and reconsideration of hydropower licenses across the state.

However, knowledge gaps about sturgeon movement and behavior, driven in part by the near impossibility of directly observing sturgeon over their decadal lifespans impede sound analysis. The 2018 biological opinions on the CVP and SWP operations noted that "there are significant data gaps to describe the ecology of this species in the action area" (BiOp at 112). Our limited knowledge of sturgeon is part of the reason conservation measures for water project operations generally target salmonids (BiOp at 796). We need a better understanding of the green sturgeon sDPS to ensure that it is adequately considered in environmental permitting decisions. Better information can lead to better management, fewer litigation risks for agencies, and, we hope, better outcomes for the sturgeon. Furthermore, using improved knowledge on life cycle model development and simulations of their movements and population dynamics can be essential to inform conservation and water management.

Some computational models of sturgeon behavior and movement are already in use, helping to understand the consequences of habitat and environmental change. Whether a model is useful for a specific problem is similar to the tale of Goldilocks and the Three Bears–except instead of preferences in chairs, porridge, and beds, it's whether the model's representation of space, time, and the sturgeon life cycle reflects the problem at hand. Some models depict what happens over hours to days in small areas; these are useful for local impacts of local changes in river habitat. Others depict what happens over many years across large areas; these are useful for assessing long-term population trajectories. An ideal model for testing how water management impacts sturgeon must exist between these scales, capable of resolving how sturgeon move among bay, delta, and river segments over short time scales, while maintaining a long-term perspective on population trends.



White sturgeon just after metamorphosis. Photo credit Vanessa Lo.. Photo credit Vanessa Lo.

Our group proposes the development of an Individual Based Model (IBM) to provide evidence-based predictions of the impacts of multiple water use scenarios and alternatives on sDPS green sturgeon in the Central Valley. IBMs are a promising framework, as it represents discrete individuals from a population and their individual life cycles and experiences, establishing links describing their interactions with the environment (e.g., movement through the system, rearing and spawning habitat selection) based on the best available information. Importantly, these modeled interactions are more likely to maintain their predictive power in new scenarios, providing the ability to analyze potential impacts of alternative water management practices.

Sturgeon are an incredible fish. They are ancient prehistoric survivors that, with a little help from humans, may continue to inhabit our waterways. However, more information about their behavior and demographics is needed to ensure we better understand and manage these stately creatures effectively. Improved life cycle models will provide us with information to help ensure a future for these imperiled fish. We hope shining a light into the dark murky waters these fish call home will inspire more awe about our natural world and lead to decisions that better protect it.

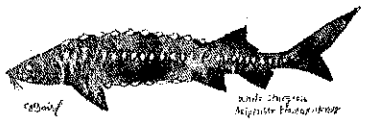


Illustration of an adult white sturgeon. Photo credit Sarah Baird.

[1] Take is a technical term that includes direct harm, harassment, or "significant habitat modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding or sheltering."(50 C.F.R. § 17.3 (2017).

Erin E. Tracy is a PhD Candidate in the Department of Wildlife, Fish & Conservation Biology working with the Rypel and Fangue labs at the University of California Davis, Jonathan A. Walter is a Senior Researcher at the Center for Watershed Sciences at UC Davis, Karrigan Börk is an Acting Professor of Law at the UC Davis School of Law and an Associate Director at the Center for Watershed Sciences, Anna Steel is a Project Scientist in the Ecophysiology Laboratory of Nann Fangue at the UC Davis. Francisco Bellido Leiva is a Postdoctoral Scholar with the Center for Watershed Sciences at UC Davis, Scott F. Colborne was a postdoctoral researcher at UC Davis and is currently a Research Specialist at the Quantitative Fisheries Center at Michigan State University, and Sarah Yarnell is a Senior Researcher at the Center for Watershed Sciences at UC Davis

Further Rea

California to fight invasive plants in Sacramento-San Joaquin Delta with herbicide treatments

Chris Biderman

Thu, February 22, 2024 at 1:08 PM PST·2 min read

In its fight against invasive aquatic plants in the Sacramento-San Joaquin River Delta, the California State Parks' Division of Boating and Waterways says it will begin a regiment of herbicide treatments that will last through the end of 2024.

Agency officials announced Wednesday that workers will start work on the Delta and its southern tributaries beginning March 6. The herbicide is meant to kill nonnative plants such as hyacinth, South American spongeplant, Uruguay water primrose, Alligator weed, Brazilian waterweed, curlyleaf pondweed, Eurasian watermilfoil, coontail, ribbon weed, and fanwort.

The process is expected to last through December, state parks officials said.

"These aquatic invasive plants have no known natural controls and negatively affect the Delta's ecosystem as they displace native plants," agency officials said in a news release. "Continued warm temperatures help the plants proliferate at high rates."

In addition to portions of the Delta, officials said spraying would take place on the San Joaquin River, Old River and Middle River and at Fourteen Mile and Snodgrass sloughs.

Officials said they decided to spray the waterways because the flora is "known to form dense mats of vegetation creating safety hazards for boaters, obstructing navigation channels, marinas, and irrigation systems."

The division is planning mechanical harvesting, if necessary, in addition to herbicide control, especially if hyacinth becomes overgrown.

Despite these efforts, officials conceded that the nonnative plants "will never be eradicated from Delta waters."

The department said all herbicides used in the program are registered with the U.S. Environmental Protection Agency and the state's Department of Pesticide Regulation. The work, officials said, would be done to ensure the process follows legal guidelines, including not exceeding allowable limits of herbicide use.

"Thank you to the public and partners for working with us on combating these aquatic invasive plants," said Division of Boating and Waterways Deputy Director Ramona Fernandez. "Together we are mitigating their impacts on the lives of all who live, work, and recreate in the Delta."

America's Last Newspaper ANDERSON VALLEY ADVERTISER *Fanning the Flames of Discontent*

February 26, 2024

PG&E Drops Diversion Options

BY JUSTINE FREDERIKSEN ON FEBRUARY 22, 2024

Mendocino County officials said they will continue working on options for maintaining water diversions between the Eel and Russian rivers that were created more than 100 years ago for the Potter Valley Project, despite the announcement by the Pacific Gas and Electric company last week that it will no longer include plans being formulated by a regional group for modification of the hydroelectric plant's infrastructure in its proposal for decommissioning the facility.

"It's a shock, and we're still kind of reeling from it," 1st District Mendocino County Supervisor Glenn McGourty told the Board of Supervisors during its Feb. 6 meeting, describing the announcement from the utility company as "very much like Lucy (pulling the football out from under) Charlie Brown every time we deal with PG&E."

McGourty said the latest sharp turn from PG&E on its long and winding path of decommissioning the Potter Valley Project (which was once an essential provider of electricity to the Ukiah Valley) came the day after the first meeting of the recently formed Eel-Russian River Project Joint Powers Authority, which JPA board member McGourty described as "the group that would be taking over the diversion from PG&E, and designing a new one that would move Eel River water to continue the flow of Eel River water to our region."

Fellow JPA board member Janet Pauli, chair of the Mendocino County Inland Water and Power Commission, said Wednesday that the group of regional stakeholders (which includes the MCIWPC as well as the Round Valley Indian Tribes and the Sonoma County Water Agency) would not be giving up on their goal of continuing the water diversions in a manner that supports both the Russian River and Eel River watersheds, but instead will "keep going on the path we are on, (just on a parallel track, not the same track as PG&E). Right now, our plan is to continue with our analysis of the two options for continued diversions."

After previously making clear that it did not intend to keep operating the old and mostly superfluous hydroelectric plant tucked away in a remote corner of inland Mendocino County, PG&E announced that its decommissioning plan for the Potter Valley Project included removing both Scott Dam and Cape Horn Dam — facilities that created Lake Pillsbury while diverting a portion of the Eel River to the power plant — as well as the water-diverting tunnel itself, unless a viable alternative was submitted before August of 2023, the Eel-Russian Project group did.

"This is all about achieving a solution that honors the needs of all the ecosystems and communities within the region," Sonoma County Supervisor and Sonoma Water Director James Gore was quoted as saying in the press release announcing the new JPA's proposal for modifying the Potter Valley Project's water diversions, and Bill Whipple, president of the Round Valley Indian Tribes Tribal Council, was quoted as saying: "Our goals are to

restore the Eel River watershed from its degraded condition and to restore our salmon fishery to sustainable and harvestable populations."

"I urge people not to get overly excited," said Rep. Jared Huffman (D — San Rafael) Wednesday when asked to respond to the decision by PG&E, explaining that "PG&E is trying to get out from under this project as quickly and as cheaply as possible — but it's not going to be fast, and it's not going to be cheap."

When asked specifically how he intends to "keep his promise to voters of creating a Two-Basin Solution which would protect the water supply that people (a current population described by McGourty as 600,000 residents living between Potter Valley and the Marin County line) have depended upon for more than 100 years, while also supporting the "extreme efforts" of groups like the Eel-Russian Project to improve habitat in the Eel River watershed for analogous fish," Huffman said that the current water diversions will be sustained in a "fish-friendly" manner.

"There will be fish-friendly diversions," said Huffman, noting that he will remain an advocate for a Two-Basin Solution, and was still "intent on getting it across the finish line," noting that the proposals for continued diversions did not have to be created in partnership with PG&E in order for them to be successful, and that he was "as confident as I have ever been" about the Two-Basin Solution becoming a reality.

When asked how he intended to support the efforts to modify the current diversions, Huffman pointed to funding he previously secured from the U.S. Bureau of Reclamation, which he described in a press release as a "$2 million grant to Sonoma County Water Agency meant to study a diversion from the Eel River to the Russian River that will have the least possible impact on salmon and steelhead."

Huffman noted in the release that he "personally advocated for this grant, which is a part of the Bureau of Reclamation's WaterSMART program to support the study, design and construction of collaboratively developed ecosystem restoration projects that provide widespread regional benefits and improve the health of fisheries, wildlife and aquatic habitat through restoration and improved fish passage."

"Now that PG&E has decided to remove (Scott Dam and Cape Horn Dam), these federal funds will set us up to develop the Two-Basin Solution I have been encouraging for years," Huffman is quoted as saying in the release. "In the face of compounding climate change impacts, dam removal and a modern diversion for water will help protect salmon and steelhead while ensuring a dependable water supply."

A comment requested from PG&E officials Wednesday was not available as of press time.

(Courtesy, the Ukiah Daily Journal)

The Daily Independent

Water District considers paying for cost analysis study on imported water pipeline

- By Michael Smit For The Daily Independent
- Feb 15, 2024

At the Indian Wells Valley Water District board meeting on February 12, the Water District board discussed a proposal by Clean Energy Capital to provide a cost analysis study on the Indian Wells Valley Groundwater Authority's imported water pipeline project. The board made no decision about the study, but plans to set an agenda item for a future meeting to make a decision in the coming months.

The IWVGA is responsible for ensuring sustainability of local groundwater, and the imported water pipeline is a central part of the IWVGA's groundwater sustainability plan. Building, maintaining, and running that pipeline will come at a cost, some of which will be covered by grants but the rest of the cost will ultimately flow down to local businesses and agencies.

That's where the Water District is involved. The Water District's primary purpose is serving water to locals, and doing so in a cost efficient way. However, importing water will likely cause water rates to go up and this is why the Water District is interested in paying CEC for this cost analysis study so they can understand the financial implications of the imported water pipeline on Water District ratepayers.

Water District board member Chuck Griffin was not immediately on board. He said, "I don't want to spend a lot of money trying to get a cost on a pipeline that's being designed that I don't support."

This led to a discussion of costs, which Water District board members and general manager seemed to agree were reasonable. While costs are undecided as the project is still not formalized yet, CEC's managing director David Moore said he believes it may be around $25,000. George Croll, Water District general manager, described the estimated $25,000 cost as a "wise and fairly small investment" for the Water District.

According to their presentation at the meeting, CEC is a municipal advisory firm that specializes in water project financing, multi-agency projects, and public/private partnerships. The proposed scope of service for the project is to provide an independent cost estimate of the imported water pipeline to the Water District and the IWVGA.

Moore said, "It really positions us to be an honest and reliable and trustworthy third party looking at costs."

The presentation also notes that CEC will "Assess and compare modifications or additions to the current [IWVGA] project as proposed. Develop cost estimates for alternatives."

Throughout his presentation and in answers to board members, Moore also emphasized that the final study will not be just one number, but rather a variety of potential numbers. He stated the study can provide cost analysis for if grants do or do not come through, for if alternatives are or are not used, and so on in order to give the Water District a clear idea of all possibilities going into the future with IWVGA's proposed groundwater sustainability plan.

The Water District and the IWVGA have had a contentious relationship for years, even entering into an adjudication lawsuit as opponents and recently the Water District was part of a groundwater study that came out with numbers on groundwater reserve and recharge that differ from numbers used by the IWVGA.

With this history in mind, Water District board member Ron Kicinski commented to remind people of what this cost study is and what it isn't. He said, "Keep in mind that this is strictly a financial issue. It's strictly financial. This grew out of the fact that we want to know, for the future here and for our ratepayers, what the bottom line cost is going to be to our ratepayers. This has nothing to do with reworking the numbers or who's involved with the adjudication at all. It's strictly financial. So keep that in mind."

kneedeep times
THE BAY AREA'S CLIMATE RESILIENCE MAGAZINE
THE PRACTICE

A LANDSCAPE MADE TO FLOOD IN SONOMA

by Nate Seltenrich | Feb 15, 2024

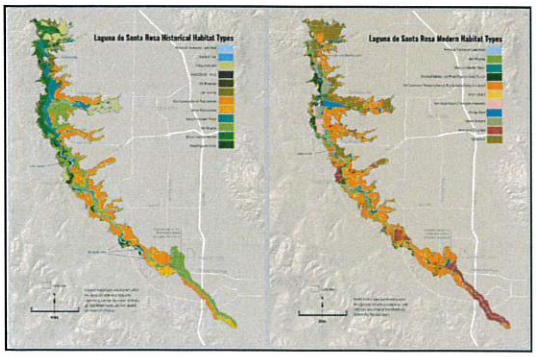
Photo: Nate Seltenrich

"It's a watershed moment in that it provides more site-specific guidance."
ANNE MORKILL
LAGUNA DE SANTA ROSA FOUNDATION

Wooden fence posts poking just above the surface and tall oaks with their trunks submerged are sure signs that the land is flooded. That word, "flooded," has a negative connotation, an association with destruction. But here it is positive – even protective. And if the San Francisco Estuary Institute, Sonoma County Water Agency, and Laguna de Santa Rosa Foundation get what they want, more water, not less, is destined for this place.

The Laguna de Santa Rosa drains much of urban Sonoma County, a watershed of 250 square miles, and is the largest tributary of the mighty Russian River. The more water that this creek and its floodplain can slow and absorb, the less water will rush downstream to threaten truly catastrophic flooding in Guerneville, Monte Rio, and Rio Nido.

But echoing a familiar Bay Area story, more than a century of development and channelization of the 22-mile Laguna de Santa Rosa and its tributaries – including Mark West, Santa Rosa, and Copeland creeks – significantly impaired the historical carrying capacity and ecological function of the system. The city of Sebastopol discharged its sewage directly into the Laguna until 1978.



Source: SFEI

Things began to turn around in the late 1980s and early 1990s, when a group of dedicated volunteers launched the nonprofit Laguna de Santa Rosa Foundation and the City of Santa Rosa constructed the Kelly Farm Demonstration Wetland to restore fish and wildlife habitat using treated wastewater.

The next three decades saw many more plans and projects designed to undo or compensate for damage done to the Laguna, or to protect what remained. These were largely piecemeal in nature, though in 2011 the entire complex – now recognized as the largest freshwater wetland on the Northern California coast – was named a Wetland of International Importance under the Ramsar Convention on Wetlands, throwing additional weight behind its conservation.

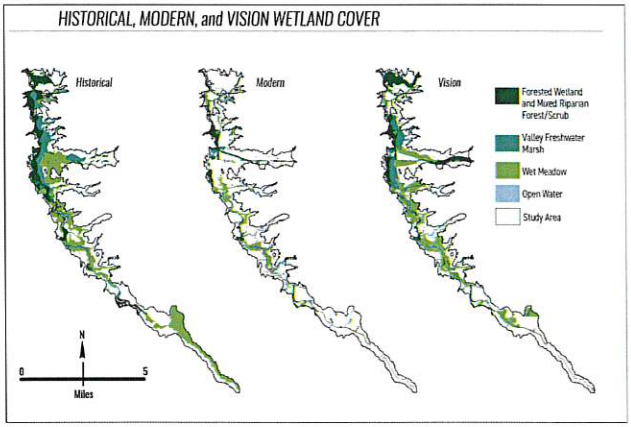
Big Picture in Higher Res

It wasn't until last month that the Laguna finally saw what many advocates would say it has long needed and deserved: a full-scale, "master" restoration plan encompassing not only the mainstem Laguna de Santa Rosa but also its full floodplain. Set in motion in 2016, the new report is the product of years of work and collaboration between SFEI, the Laguna Foundation, and Sonoma Water, which delivers drinking water from the Russian River to 600,000 people.

"There's been a lot of restoration going on in the Laguna itself and in the surrounding watershed for quite some time, but there was never an effort to wrap arms around all of that and get it all coordinated and try to figure out, what are we trying to get to?" says lead author Scott Dusterhoff, a senior scientist with SFEI.

The new plan carefully catalogs past and current conditions throughout the system and details six key projects designed to restore some of its historical function within today's reduced footprint, all while accounting for future climate change.

"I think it's a watershed moment in that it provides more site-specific guidance," says Anne Morkill, executive director of the Laguna de Santa Rosa Foundation and a former San Francisco Bay wildlife refuge manager with the US Fish and Wildlife Service. "It gives us something to start a conversation with, whether it's a public landowner or private landowner, and allows us to quantify what that change might look like."



Source: SFEI

To the casual observer, things may not look all that bad at the Laguna today. It still supports migrating coho salmon and steelhead trout; red-legged frog and California tiger salamander; bald eagle and Northern spotted owl; and, in its many vernal pools – isolated ponds that persist on the floodplain following winter rains – endangered California freshwater shrimp.

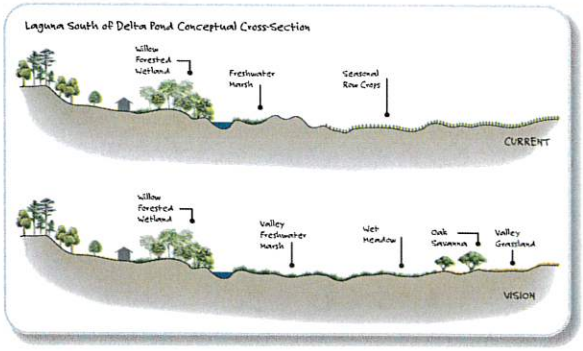
Yet it faces serious challenges that will only grow as time goes on. Past alterations to the Laguna and its watershed have led to accelerated stormwater runoff from the hills, increased delivery and accumulation of fine sediment and nutrients to wetland channels, introduction of invasive species, and widespread habitat loss, the report's introduction notes.

Looking forward, rising temperatures and increasingly frequent and severe floods, droughts, and wildfires, combined with expanding development pressure, will likely exacerbate these problems.

A Redo That Undoes

From the Occidental Road bridge outside Sebastopol, the floodplain does appear relatively intact. Winter rains have caused the Laguna to spill its banks and transform into a broad expanse of shallow, flat water – just as it should.

The difference is that this spot once marked the northern end of a long, narrow, and deep perennial lake called Lake Jonive. The lake technically still exists farther to the south, narrower and shallower and bordered by vineyards and pastures. Historically it held more, clearer water year-round and provided cold-water habitat to resident and anadromous (spawning) fish species. The lake was ringed by wet meadow and then a forested riparian zone that provided greater habitat and connectivity, and helped slow water and trap sediment during flood events. That's why the new report calls for bringing it back.



The restoration of Lake Jonive is one of six high-impact projects proposed in the plan to help restore the Laguna system and, in a sense, fortify it against future impacts. Other projects include realigning and restoring lower Mark West Creek; freeing a channelized and straightened segment of the mainstem Laguna; and bringing back another perennial lake.

In general this work would widen and deepen the main Laguna channel, improving water quality and water-carrying capacity; return croplands along its banks to native vegetation; and improve links between waterways and upland areas, allowing native species a better chance at adapting to future changes.

Of course, bringing any of this to fruition will require additional funding and finagling of property rights, given that the vast majority of the Laguna floodplain is held in private hands, says Neil Lassettre, principal environmental specialist with Sonoma Water.

And it would all be for naught without concurrent work in the upper watershed, on Sonoma Mountain and the Mayacamas Mountains. Specifically, Lassettre says, this means undoing what are now viewed as past mistakes by restoring flood-control channels and other riparian corridors to a more natural state, helping slow and sink runoff while allowing excess sediment and nutrients to settle out before reaching the Laguna – work that both Sonoma Water and the North Coast Regional Water Board are already undertaking.

The flooded wetland during January 2024 storms. Photo: Nate Seltenrich

Nearly two centuries since an 1833 Mexican land grant first brought farming and ranching to the banks of the Laguna, a hard-won lesson has crystallized in the new restoration plan. This is not a collection of disparate creeks and ponds and savannas and forests, but rather a single, complex system. We perturb it at our own peril, especially with more intense droughts and storms headed our way.

"Ultimately," Dusterhoff says, "the long-term resilience and improved functioning of the Laguna is going to depend in large part on what's happening upstream of the Laguna in the contributing watershed."

Sierra Nevada in July 2017, a year when the snowpack was nearly the largest on record. Photo by Mark Chinnick/Flickr.

NOTEBOOK FEATURE: Future extremes: New models zoom in on California snowpacks and storms

by Robin Meadows

When it comes to water, winter is a time of promise and peril in California. Our fate is uncertain—and can swing wildly—from year to year. Will mountain snowpacks be plentiful enough to get us through the dry season? Will they melt so fast in the spring that we're down to a trickle by summer? Will too many atmospheric river storms in a row cause devastating floods like those we suffered last year?

To help us prepare for what is to come, researchers are developing new models that zoom in on the Sierra Nevada snowpack and on individual atmospheric river events. Snowmelt from the Sierra Nevada provides, on average, about one-third of California's annual water supply, and atmospheric rivers provide about half of the rain and snow statewide.

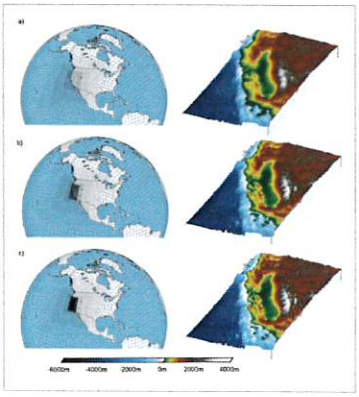
Until recently, historical records helped state water managers and planners know what to expect for a given year. But this approach is no longer reliable as the world warms.

"The past isn't as informative about the future as it used to be," says Michael Anderson, the state climatologist with the California Department of Water Resources.

Conventional global climate models, which cover the entire Earth, can't tell us what we need to know at a local level either. "They're too coarse," says Paul Ullrich, a climate modeler who leads the Climate and Global Change Group at the University of California, Davis. "The whole Sierra Nevada range is just a couple of data points."

Regional climate models are higher resolution and include details of terrain such as mountains and coastal areas, where the weather can be astonishingly different over distances of just 30 miles. But, because these models are limited to relatively small areas, they don't account for large-scale weather systems such as the jet stream and extratropical cyclones, which can span continents.

BETTER MODELS OF THE SIERRA NEVADA SNOWPACK

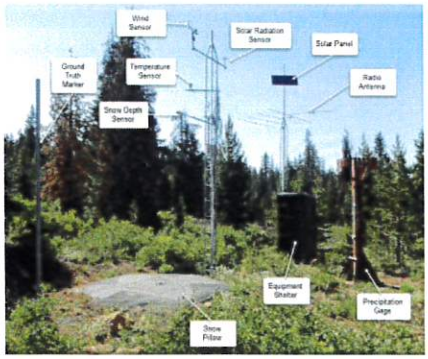


Regionally refined Earth system models bridge the gap between global and regional climate models. Figure by Alan Rhoades.

So Ullrich and colleagues developed a model of the Sierra Nevada snowpack that combines strengths of both global and regional climate simulations. This approach, called a regionally refined Earth system model, simulates how large-scale weather systems interact with local terrain. Researchers start with a global model, which has a resolution of about 200 miles, and zoom on a small patch of the planet, in this case California.

The resulting regionally refined model has a resolution of less than 10 miles, giving the Sierra Nevada hundreds of data points. The model accounts for factors that determine how much snow falls and sticks on the mountains as well as how much melts. For example, trees catch snow in their branches, affecting how much reaches the ground; air temperatures affect how long snow sits there; and dust makes snow less reflective, making it absorb more solar radiation and melt faster.

To validate the model, the researchers compared its predictions with data from sources including automated weather stations. These sensor-equipped stations, called the Snow Telemetry Network (SNOTELs), were installed beginning in the 1960s in western mountains. SNOTELs collect information including air temperature, precipitation, and snow depth and water content—which varies considerably depending on how many air pockets the snowpack contains—and report these data several times a day or even hourly.



The USDA Natural Resources Conservation Service operates 900 automated weather stations called SNOTELs (for Snow Telemetry Network) in western mountains. Photo by USDA.

"This is really an exciting time," Ullrich says. "Models of snowpack in the Sierra Nevada continue to get better—and they're already pretty good."

His wish list for making these models even more accurate includes adding data from spots outside the range of the mountain weather stations. "SNOTELs are in places people can reach," he explains. "They're not in the bottoms of steep valleys or on top of peaks." Complete information is already available for snow depth, thanks to recently-developed aerial lidar surveys that scan mountain ranges in their entirety rather than just fixed points.

Ullrich would also like to run the models at even finer resolutions, down to one-third of a mile. "There's so much variability in the Sierra Nevada," he says. "They're very steep, and the shaded sides keep snow longer." Here the limitation is the cost of computing power: doubling a model's resolution makes it eight times more expensive to run.

RECREATING INDIVIDUAL ATMOSPHERIC RIVER EVENTS

Now the researchers are turning their attention to how individual atmospheric river events affect the snowpack. "A big question is the impact of rain on snow—warm storms can melt snow and increase the flood risk," Ullrich says. Recreating disastrous floods can help water planners mitigate future extremes.

Yuba County homes inundated by the 1997 New Year's flood. Photo by DWR.

The researchers started with the 1997 New Year's flood, the second worst on record in California. The stage was set by storms in November and December, which built up the Sierra Nevada snowpack. Then, between Christmas to January 2, a trio of atmospheric rivers dropped 30 inches of warm rain at elevations as high as 9,000 feet, rapidly melting

enormous quantities of snow. The ground was already as wet as could be from rainfall and water just ran across the land, overwhelming rivers.

"I was just in Yosemite and the whole valley flooded in 1997—you can still see the seven-and-a-half-foot tall water line," says Alan Rhoades, a hydroclimate scientist who helped develop the regionally refined Earth system model as a graduate student with Ullrich and is now a research scientist at Lawrence Berkeley National Laboratory.

Martinez, where Rhoades lives, flooded to depths of four feet. Statewide, more than 300 square miles flooded, impacting more than 23,000 homes and 2,000 businesses, and causing more than one billion dollars in economic damages. Hardest hit were Yuba City and Marysville due to levee breaks on the Feather River.

Rhoades and colleagues recreated the 1997 flood with a regionally refined climate model that focused on California. The resolution was about two miles, fine enough to capture how the storms interacted with mountain terrain, and the model's estimates of precipitation, snowmelt and flooding matched those measured during the actual event. A video of the recreated event shows a timelapse of the storms sweeping over the land and leaving a greatly diminished snowpack.

"The model did a remarkably good job at predicting precipitation and snowmelt," says Rhoades, who was lead author on a 2023 study that validated the model. "We were really happy."

Now the researchers are using the model to estimate how flooding from a 1997-like flood event might change in the future under varying degrees of warming. "You get to play around with a lot of things in a virtual world—you can prod it and see what happens," Rhoades says.

The next thing he wants to play around with is how spring heatwaves affect snowpacks, which can sublimate straight from ice crystals to water vapor. "Anecdotal evidence suggests Mount Rainer lost about 30% of its snowpack in the 2021 Pacific Northwest heatwave, and we don't know where it went," Rhoades says. "It needs a rigorous analysis because it has such important implications for water managers." Seattle temperatures soared as high as 108°F during this extreme event, which lasted from June 26 and July 2, breaking records.

UNPACKING EXTREME EVENTS ONE STORM AT A TIME

This atmospheric river hit California on January 4, 2023, bringing 8 inches of rain in 24 hours south of Big Sur and winds faster than 100 miles per hour near Lake Tahoe. Image by NOAA.
State climatologist Anderson welcomes the contributions of researchers like Ullrich and Rhoades who are pushing the boundaries of climate models. Recreating individual extreme events is a "key piece to navigating a warmer world," he says. "There's a lot to do and we get by with a little help from our friends."

He hopes researchers recreate other past impactful events, including California's destructive spate of storms in 2023. Early that winter, nine back-to-back atmospheric rivers hit in a three-week span, causing floods, power outages, and mudslides. At least 21 people died and economic losses were estimated to exceed $3 billion.

Understanding extreme events will help planners prepare effective emergency responses for the immediate future, and prepare for likely climate change impacts by the end of the century. "Recreating an event with a model lets you unpack it and say 'it unfolded this way,'" Anderson says. "Each storm is its own beast and instead of just talking about 30-year averages, we can get into the nuts and bolts—when they say the devil's in the details, they're absolutely right."

As storms dump rain on California, most goes to the sea. Why?

- By Kenneth Schrupp | The Center Square
- Feb 12, 2024

(The Center Square) - Thanks to a second year of torrential rains, California has already passed its annual rainfall average. But with decades-long shortfalls in water storage expansion, most of that water is going right to the sea, leaving the state ill-prepared for the next drought in the typical drought-storm cycle that has long-defined the state's climate.

California **experienced** 31 atmospheric rivers during the 2022-2023 October-March rainy season, leaving the state drought-free for the first time in three years. As a result of the drought's end, the Los Angeles Department of Water and Power finally ended its 13-month water restrictions **limiting** outdoor watering to just two times per week. Despite the drought's official end, everyday Californians have continued to curtail their water consumption, with CalMatters **reporting** a 6% decline in urban water use since July 2021.

After the most recent set of rains, California's reservoirs are rapidly reaching capacity, with the San Francisco Chronicle **reporting** the state's largest 48 reservoirs are at 70% of overall capacity and 118% of typical water levels for this time of year. In advance of expected storms, some reservoirs are safely **releasing** water while they can to make sure they have enough capacity to prevent harmful flooding.

Even though California is experiencing greater-than typical rain, two main issues are holding back utilization of the state's existing water infrastructure. One, much of this rain is falling in **coastal areas** where there is little opportunity to capture and utilize said rain — water that falls on or near the coast runs into the ocean. Two, snow, not rain, is the single greatest tool for supplying California with water, and the state is still in a "**snow drought**" with Sierra Nevada mountain range snowpack, which **supplies** California with 30% of its water — coming in between 70% and 80% of historic levels.

But beyond rainfall concentration and snow shortfalls, another factor is the **fact** that the state has not built a new reservoir with over one million acre-feet of water storage since 1978 despite the state's population doubling since then. Meanwhile, California Governor Gavin Newsom is **spearheading** the **largest** dam removal in national history in an effort to improve salmon and steelhead trout fisheries.

"We can build storage above dams we've already built, in between structures they already have, without impacting fisheries," said State Sen. Brian Dahle, R-Bieber, to The Center Square.

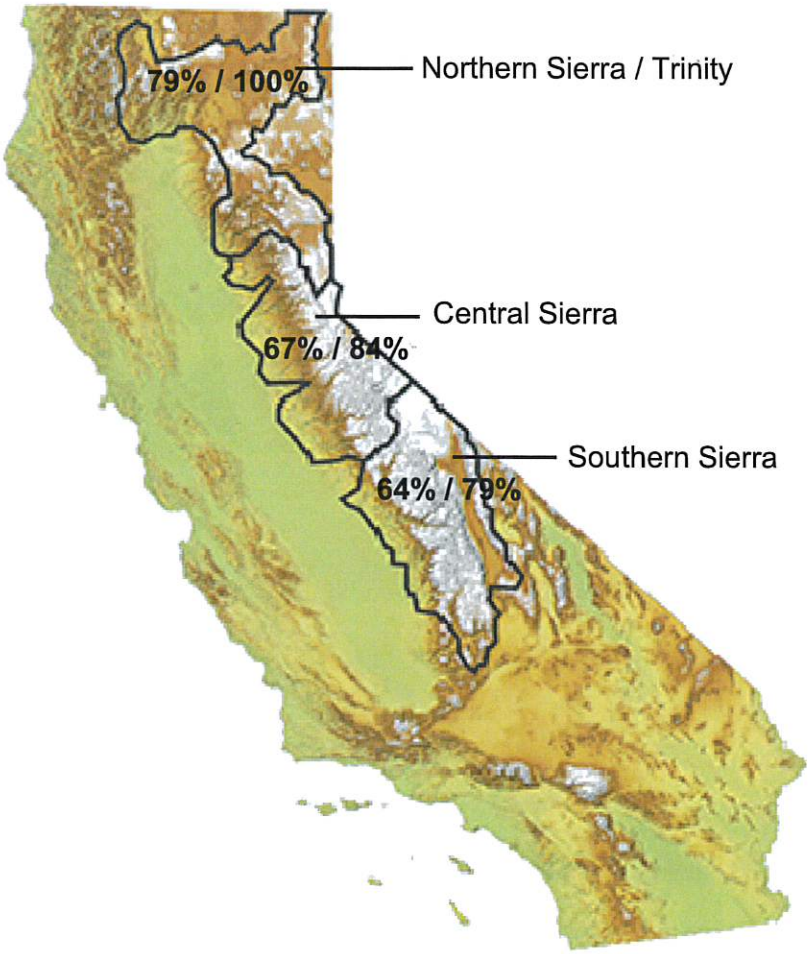
Though Newsom has supported the dam removal efforts, he has nonetheless adopted policies to accelerate construction of state infrastructure projects, including the proposed 1.5 million acre-feet Sites Reservoir.

Last year, Newsom signed an executive order giving 270 days for the approval of the the environmental impact report holding up Sites. Sites is funded by 2014's Proposition 1 and will hold enough water to supply 3 million households for one year. However, Proposition 1 has yet to yield a single project due to activists' continued use of California Environmental Quality Act to hold up construction in courts.

STATEWIDE SNOW WATER CONTENT

CURRENT REGIONAL SNOWPACK FROM AUTOMATED SNOW SENSORS

% of April 1 Average / % of Normal for This Date



NORTH	
Data as of February 21, 2024	
Number of Stations Reporting	25
Average snow water equivalent (Inches)	22.7
Percent of April 1 Average (%)	79
Percent of normal for this date (%)	100

CENTRAL	
Data as of February 21, 2024	
Number of Stations Reporting	50
Average snow water equivalent (Inches)	18.0
Percent of April 1 Average (%)	67
Percent of normal for this date (%)	84

SOUTH	
Data as of February 21, 2024	
Number of Stations Reporting	28
Average snow water equivalent (Inches)	14.2
Percent of April 1 Average (%)	64
Percent of normal for this date (%)	79

STATE	
Data as of February 21, 2024	
Number of Stations Reporting	103
Average snow water equivalent (Inches)	18.1
Percent of April 1 Average (%)	69
Percent of normal for this date (%)	86

Statewide Average: 69% / 86%

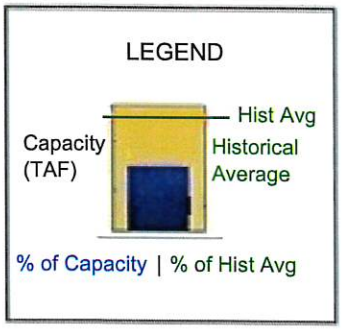
Data as of February 21, 2024

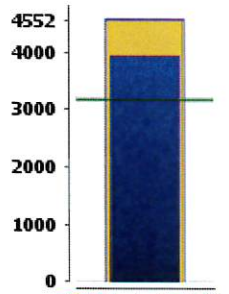
CURRENT RESERVOIR CONDITIONS

CALIFORNIA MAJOR WATER SUPPLY RESERVOIRS

CURRENT CONDITIONS

Midnight - February 20, 2024





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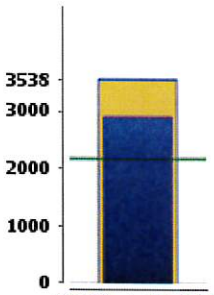
Shasta



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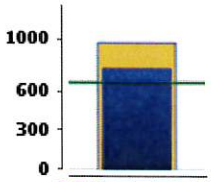
Oroville



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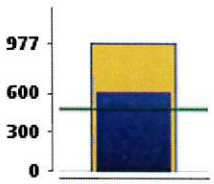
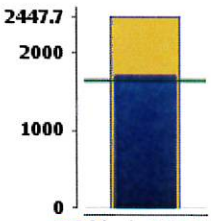
New Bullards Bar



62% | 127%
Folsom



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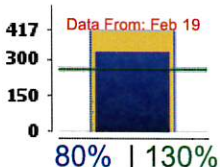
Trinity



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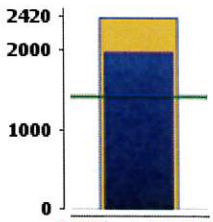
Camanche



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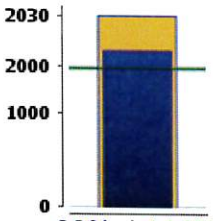
New Melones



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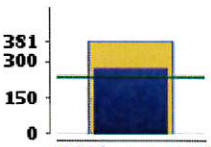
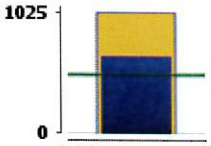
Don Pedro



72% | 115%
Sonoma

66% | 84%
San Luis



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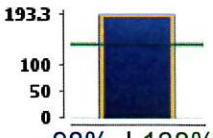
McClure



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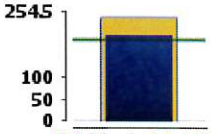
Cachuma



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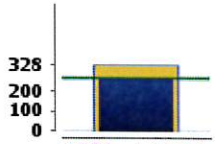
Casitas



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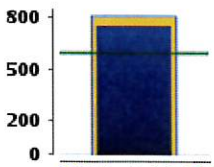
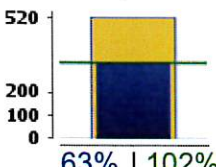
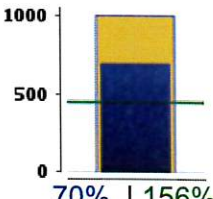
Castaic



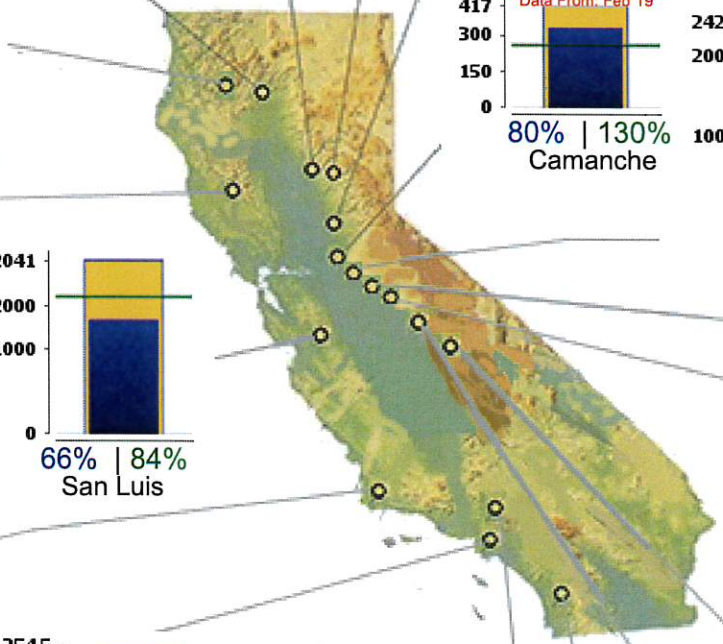
93% | 126%
Diamond Valley



63% | 102%
Millerton



70% | 156%
Pine Flat

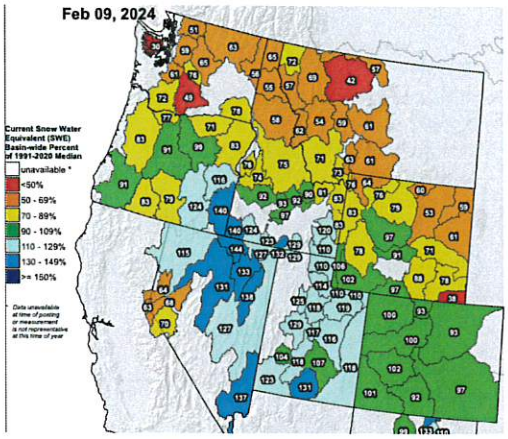


Updated 02/21/2024 10:48 AM

Research shows that wildfires can have major impacts on snowpack

Boise State Public Radio News | By Murphy Woodhouse

Published February 12, 2024 at 7:30 PM MST



USDA

Winter snowpacks are an important source of water in the West, and their size can impact fire seasons. But researchers are finding that wildfires themselves can impact snowpack.

Bright, white fresh snow has a high albedo, meaning it reflects much of the sun's light. But wildfires, which are increasing in size and frequency, can substantially reduce the reflective power of snow for years. Blazes can also burn off the tree canopy, exposing snow to more sun.

"Following a fire, snow disappears four to 23 days earlier and melt rates increase by up to 57%," reads the opening of a 2022 paper that University of Nevada Reno geography professor Anne Nolin co-authored. A 2023 paper she also co-authored looked at burns in California and had similar findings.

"You might have a stronger spring freshet, that pulse, you might have more of this water coming down into your streams," she said. "You're going to have more of that black carbon actually getting washed into those streams, changing the biogeochemistry, the quality of the aquatic ecology, more sediment coming into your reservoirs. This is a lot harder to manage for, because these dams and reservoirs really aren't designed for big pulses of sediment. And also water quality is an issue."

"That's the sort of thing that I think managers need to understand and be flexible about and sort of design some degree of flexibility into their river management and reservoir management systems," she added. "We are in this new world where things aren't exactly like they used to be. And so we can't necessarily depend on historical understanding to be able to manage things, especially when it comes to burned areas."

Even without the impact of wildfires on snowpacks, Nolin said that climate change is already shrinking snow levels across the West. But with burns accelerating disappearance, "you've got a much longer dry season."

"And there's a really strong correlation between the length of the snow season, especially the spring snow disappearance date, and all of these different fire parameters, like the number of fires, the size of the fires, the number of fire complexes when two fires burn together, the overall burn severity of the fire," she added. "So all of those things are amplified when we have declining snow packs and earlier snow disappearance dates."

This story was produced by the Mountain West News Bureau, a collaboration between Wyoming Public Media, Nevada Public Radio, Boise State Public Radio in Idaho, KUNR in Nevada, KUNC in Colorado and KANW in New Mexico, with support from affiliate stations across the region. Funding for the Mountain West News Bureau is provided in part by the Corporation for Public Broadcasting.

CORRESPONDENCE

John Friedenbach

From: Self Generation Program <Selfgen@pge.com>
Sent: Thursday, February 08, 2024 12:56 PM
To: friedenbach@hbmwd.com
Cc: SGIP Database; commercial.incentives@tesla.com
Subject: SGIP ICF Approval, Humboldt Bay Municipal Water District [PGE-SGIP-2020-5008]

Classification: Internal

Pacific Gas and Electric Company®

02/08/24

Dear John Friedenbach,

Great news! We are delighted to let you know that this SGIP project has been approved for an incentive payment:

Project ID:	PGE-SGIP-2020-5008
Host Customer:	Humboldt Bay Municipal Water District
Site Address:	7270 West End Rd. Arcata, CA 95521
Payee:	For the account of Corporate Credit, Inc/Generate Capital
Payee Address:	U.S Bank National Association TFM Escrow - Lockbox P.O. Box 860573 Minneapolis, MN 55486-0573
Equipment Type:	Electrochemical Storage
Rated Capacity:	929.500kW
Maximum Incentive Amount:	$2,926,100.00
Returned Application Fee:	$148,300.00

Are you a Tesla Powerwall customer? If so, you can earn compensation by discharging your battery during certain days of the year. Click here to learn more.

The final incentive amount that For the account of Corporate Credit, Inc/Generate Capital will receive is based upon information provided in the Incentive Claim Form package and the results of the project/site inspection.

For the account of Corporate Credit, Inc/Generate Capital will receive one of the following incentive payment(s):

1. **Projects under 30kW rated capacity**: $2,926,100.00, the maximum incentive amount, as an upfront payment within 20 business days
2. **Projects 30kW rated capacity and larger**: 50% of $2,926,100.00, the maximum incentive amount, as an upfront payment within 20 business days. The remaining 50% will be paid according to the guidelines of the Performance-Based Incentive (PBI) structure.
3. **Projects in the Developer Incentive Advance Pilot**: 50% of $2,926,100.00. You participated in the Developer Incentive Advance Pilot, where 50% was provided to your Developer at the Reservation Request Form stage and you are receiving the remaining 50% at the Incentive Claims Form stage.

Questions?

Please feel free to contact us at selfgen@pge.com should you have any questions.

Thank you,
Christian Joves
SGIP Operations
Phone: 1-415-973-6436 or email selfgen@pge.com
For SGIP Program information, Handbook and Forms, please visit:

PG&E SGIP Program

Self- Generation Incentive Program

CPUC

PSPS Address Lookup Tool for Equity Resiliency Eligibility

John Friedenbach

From: noreply@selfgenca.com
Sent: Friday, February 23, 2024 7:23 AM
To: ccinotices@generatecapital.com
Cc: friedenbach@hbmwd.com; commercial.incentives@tesla.com
Subject: SGIP PBI Upfront Payment Letter, Humboldt Bay Municipal Water District [PGE-SGIP-2020-5008]

Pacific Gas and Electric Company®

02/23/24

Dear Jeffrey Biehn,

Congratulations again on the completion of your SGIP project! This letter serves to confirm that an incentive payment for SGIP project PGE-SGIP-2020-5008 in the amount below has been issued to:

Payee:	For the account of Corporate Credit, Inc/Generate Capital Jeffrey Biehn
Payee Address:	U.S Bank National Association TFM Escrow - Lockbox P.O. Box 860573 Minneapolis, MN 55486-0573
Payment Date:	02/23/24
Check Number (if applicable):	5155361
Payment Amount:	$1,463,050.00

Essex

This check represents 50% of the final incentive payment amount in accordance with program guidelines. The remaining 50% will be paid annually over the next 5 years based on actual system performance in accordance with the performance-based incentive (PBI) guidelines. Please see below an overview of expected system performance which was established during the incentive claim stage of the project:

Maximum Incentive Amount:	$2,926,100.00
Incentive Reserved for PBI:	$1,463,050.00
Expected Annual Generation (AES: Energy Discharged):	414,586
PBI Rate:	$0.70578911
Expected Annual PBI Payment:	$292,610.00

For all questions regarding the calculation of expected system performance or PBI payment structure and processes, please feel free to contact me. If you have any questions regarding project monitoring and/or reporting, please contact your Performance Data Provider.

STATE OF CALIFORNIA – CALIFORNIA NATURAL RESOURCES AGENCY GAVIN NEWSOM, Governor

DEPARTMENT OF WATER RESOURCES
P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791

Notice to Dam Owners
Division of Safety of Dams

Notification of Annual Schedule of Fees – Effective July 1, 2024
California Dam Safety Program
February 28, 2024

The Department of Water Resources' Division of Safety of Dams (DSOD) is committed to its mission of protecting life and property from dam failures in California in the most cost-effective manner. DSOD's regulatory program, which is commonly referred to as the Dam Safety Program (Program), is funded through annual fees and application filing fees. Annual fees are assessed and collected to cover the reasonable regulatory costs of the Program and are governed by section 6307 of the California Water Code.

To cover DSOD's reasonable regulatory costs, including cost of living increases, Fiscal Year (FY) 2024/25 fees reflect an upward adjustment of approximately four percent from the FY 2023/24 fees.

Enclosed is the FY 2024/25 Annual Schedule of Fees that will be used to issue billing invoices by April 30, 2024. **Annual fees for FY 2024/25 are due July 1, 2024.** DSOD may impose penalties and interest for fees received more than 30 days after the deadline, as set forth in Water Code section 6307.

If a paper invoice is not received by April 30, 2024, or to request an electronic copy of the invoice by email, contact Administrative Officer Marcelino Alcantar at Marcelino.Alcantar@water.ca.gov by May 15, 2024.

If you have any questions, please call Andrew J. Mangney, Branch Manager of the Field Engineering Branch, at (916) 565-7800.

Sincerely,

Sharon K. Tapia

Sharon K. Tapia, P.E.
Division Manager
Division of Safety of Dams

Enclosures

CALIFORNIA DAM SAFETY PROGRAM
ANNUAL SCHEDULE OF FEES
FISCAL YEAR 2024/25

Effective July 1, 2024

Annual fees are assessed in accordance with Article 3, Chapter 1, Division 2, Title 23 of the California Code of Regulations (CCR) to cover projected costs of the California Dam Safety Program. The critical appurtenant structure (CAS) fee component only applies to dams with critical appurtenant structures (e.g., saddle dams and spillway) that meet the definition of section 335.2 of the CCR and does not apply to dams classified with a Low downstream hazard potential. Inoperative dams are only charged the Administrative (Admin) Fee component of the applicable rate category[1]. Rates used in computing each of the fee components of the annual fees billed are rounded to the nearest dollar.

Annual Fee = Admin Fee + Dam Fee + CAS Fee, where

Admin Fee = Flat fee per dam
Dam Fee = Dam Rate x Dam Height
CAS Fee = CAS Rate x Dam Fee x Number of CAS (not to exceed two)
CAS Rate = 0.3804

General Rate[2]

$$\text{Annual Fee (CAS)} = \underbrace{\$1{,}195}_{\text{Admin Fee}} + \underbrace{\$280 \text{ per foot of height}}_{\text{Dam Fee}} + \underbrace{0.3804 \times \$280 \text{ per foot of height} \times \text{1 or 2 CAS as applicable}}_{\text{CAS Fee}}$$

Reduced Rate: Farm and Ranch or Small and Privately Owned Dams[3]

$$\text{Annual Fee (CAS)} = \underbrace{\$239}_{\text{Admin Fee}} + \underbrace{\$56 \text{ per foot of height}}_{\text{Dam Fee}} + \underbrace{0.3804 \times \$56 \text{ per foot of height} \times \text{1 or 2 CAS as applicable}}_{\text{CAS Fee}}$$

1 Division 3, Part 1, Chapter 6, section 6307(d) of the California Water Code and Title 23. Waters, section 316 of the California Code of Regulations
2 Division 3, Part 1, Chapter 6, section 6307(a) of the California Water Code
3 Division 3, Part 1, Chapter 6, sections 6307(e & f) of the California Water Code

Dept Water Resources
P.O. Box 942836
Sacramento CA 94236-0001

Invoices

Summary

Display: Paid Invoices | Vendor

Invoice Date	Invoice Number	Invoice Amount
04/30/2018	446654	28,571.00
05/01/2019	1800125578	34,284.00
04/01/2020	1800132956	39,950.00
03/08/2021	1800141085	33,786.00
03/16/2022	1800148997	41,728.00
03/13/2023	1800155589	44,901.00

23% ↑

7.6% ↑

CONTINUING BUSINESS

HUMBOLDT BAY MUNICIPAL WATER DISTRICT

To: Board of Directors

From: John Friedenbach

Date: March 14, 2024

Subject: Water Resource Planning (WRP) – Status Report

The purpose of this memo is to summarize recent activities and introduce next steps for discussion.

1) Top-Tier Water Use Options

a) Local Sales

i) Nordic Aquafarms. No update.

ii) Trinidad Rancheria mainline extension. No update.

iii) Blue Lake Rancheria mainline extension. No update.

iv) Offshore Wind Heavy Lift Multipurpose Marine Terminal Project. Staff continues to wait for the total water demand estimates from the Harbor District.

b) Transport – no update.

c) Instream Flow Dedication

District staff, counsel, consultants and committee are working on the Water Board staff's comments received on our draft petition for change application.

A grant performance period extension from March 31st to September 30, 2024 request to the WCB was denied. We will review our revised 1707 Petition of Change at the April 11th Board meeting.

Using a meeting facilitator, the committee met with NOA Fisheries to clarify concerns by all parties regarding the draft petition for change application.

A Special Board Meeting Study Session regarding our draft petition for change occurred at Eureka Wharfinger Building on Monday February 12th. Included in this packet is a compilation of the public comments/feedback that was received at the meeting. The District also received a letter of support from the Blue Lake Rancheria, and an favorable article by the Environmental Protection Information Center (EPIC) posted on their website: wildcalifornia.org. Both are included in the packet.

We will have a Closed Session with our water rights legal counsel to discuss threats of litigation relating to our 1707 Petition for Change filing.

Instream Flow Workshop
Comment Summaries
February 12, 2024

Questions of Clarification

Industrial & Transport

- Are the flows reserved for industrial, use currently flowing to the ocean, is this costing the District money?
- How many GPD is being sold or "transported" to local CSD (Manilla, Blue Lake, Arcata, etc.)
- How to prevent transport out of local area/Humboldt County
- How much industrial water for the fish farm?
- Allocation to munis-within or without of Humboldt County?
- If approved, would the 1707 petition dedication be subject to distribution if, say, a new industrial use sought some (or all) of the water that was dedicated in the petition (i.e. the 20 MGD)

Instream Flow Dedication

- Is dedication from Ruth to Essex or Ruth to mouth?
- Why not dedicate more to instream flow?
- Can Instream Flow dedication offset costs of infrastructure?
- How does the proposed Instream Flow dedication vary from natural flow?
- What studies are needed to determine instream flow impact?
- What would the impact be if instream water right did not exist in reach between hydro dam & diversion?
- Can Instream Flow model natural flow?

Release

- Why is the full water right not being release down channel currently?
- How would approval of this 1707 petition affect the District's existing releases/flow regimen from Ruth?
- What is the minimum release required from Ruth (MGD/CFS) to meet the District's average total domestic use? ("partial day delivery")
- What is the minimum flow out of the dam required for power generation?
- If the 1707 petition is approved, can the flow out of Ruth be increased to augment industrial use?

Water Rights/support

- Can this 1707 be supported by the governor?
- How do we please the state?
- How does the voluntary agreements affect the process? (avoid litigation)
- What is the difference between permits and licensing of water rights?
- Why Tribal beneficial resources not included in 1707 petition?
- The water rights run out in 2029, this process could take 20 years.
- NOAA has revoked support-want detailed analysis of flows, env. Effects etc. resolution?
- Since HBMWD is a great steward & entered this process- we want to retain local control, do you think the state will be favorable to our request?

Public/monitoring

- How unique is this? How well known is this to general public?
- Will this require monitoring such as gauging stations?

- What is a beneficial use?
- Could the public see the water quality and biological studies that were completed?
- Will this require monitoring such as gauging stations

Environment

- Is there flexibility on 20 MGD water use depending on season?
- Will temperature regulation of Instream Flows be a parameter affecting fish health (salmon, lamprey, trout, Sturgeon and albacore)

LIKES

-Water Rights

- Preserving local/public control of water rights (multiples of this comment)
- Supporting other riparian water rights, uses channel
- Protecting water rights
- Prevent others from taking our water
- Pursuing Instream Water rights

-River

- Climate change resilience of keeping water in Baduwa't
- Respect for nature
- Keeps river open and flowing to ocean
- Keeps water in the river
- Recreational opportunity
- Approval of the petition could benefit the river ecosystem
- Ancillary benefits-recreation, fishing
- That the District is willing to try putting water in the river

-Environment

- Declining impact of pot industry on water quality
- Wildlife benefits
- Good stewards/HCP
- Environmental benefits
- Benefit to Salmon Fisheries

-Water Control & Water Use

- Great water use
- Local control of water
- Not water bagging
- We don't have Water Board dictating our flows
- That it stays local
    - Retaining local control (multiples of this comment)

-HBMWD

- Level of knowledge of the Board
- This process!
- Not as concerned revenue stream

Concerns

Industrial & Transport

- Is there concern about losing the industrial use water portions since its not being fully used
- Will industrial development at harbor affect in-stream dedication?
- Will water be available for industrial diversion?
- 35 MGD being "transported" to other public agencies such as San Franscisco or the Central Valley
- Transport out of local area to vineyards, agriculture: Marin/Sonoma
- 27% is not enough to prevent water transport to public agency
- If another entity tries to claim our water
- Water division- can we increase Instream Flow and decrease transport to increase flow to the estuary?

Environmental

- Could there be detrimental effects on fish if the 1707 petition is denied? (e.g. increased water temps, increase in concentration of pollutants, etc.)
- Freshwater aquaculture?
- Wind power industry will damage good use of water in a healthy bay eco-system
- Will aquaculture divert aqua from instream flow?
- Are there issues below the pumps that are different than above the pumps?
- Similarly at the dam and above the dam?
- Keep flow high enough to keep river clean from human degradation
- In extreme drought how can we be sure there is enough water for instream flow?
- How much water instream is too much? (seasonal)
- Too much flow in the Mad River in the summer (major deviations in the hydrograph)
- Changes in the estuary salinity
- If no 1707, will lose fish populations and estuary conditions will decline
- We assume that the river needs our dam to maintain summer flows for fish, The fish were here before the dam
- Maintaining water and habitat above the dam
- Fire (Ruth Lake)- threat to water quality
- Timing of releases and quantity to mimic natural flows
- More flow data/fish surveys/models for mouth of river
- Access to petition for change/biological studies
- High turbidity in Mad River from surface run off
- Concern for the (Salmon) fisheries effect Instream Flow needs from Essex to the ocean?
- How can it be determined the impact of seasonal migration barriers with flow

Munis/Admin/control

- Is that current use? Municipals: Arcata, Eureka, etc.?
- Continual outreach to tribes re: flow dedication process
- How often does this permit need to be renewed? (we need to say its permanent)
- Are we locking up rights that could address other beneficial uses?
- Increasing state-wide pressure for our water
- Litigation
- Administration changes/reevaluation
- Process taking too long

Flow/data

- Need more data (flow)
- Lack of flow data
- Valley. Especially with Eel River Dam removal and changing water rights in that basin.
- More flow data from tributaries-no flow gauges

BLUE LAKE RANCHERIA
P.O. Box 428
Blue Lake, CA 95525

Office: (707) 668-5101
Fax: (707) 668-4272

www.bluelakerancheria-nsn.gov
02.08.2023

~~Dear Humboldt Bay Municipal Water District Representatives,~~

This public comment letter is in support of the 1707 instream flow dedication being pursued by the Humboldt Bay Municipal Water District to dedicate a portion of their water rights to instream flow to the Mad River. The Blue Lake Rancheria Tribe supports this initiative to protect clean water and aquatic species present in the river and recognizes the direct value of protecting instream flows in the Mad River for the benefit of all communities, human and otherwise.

The Blue Lake Rancheria Tribe has been an active steward of Baduwa't (Mad River) since time immemorial and has worked for years to be an active co-manager of water and aquatic resources within the watershed. For nearly 2 decades, Blue Lake Rancheria Tribal Environmental Department staff have been working to collect baseline water quality data to inform other County, State, Federal, industry, and non-profit agencies about the health of the river. Other collaborative efforts to protect watershed health include active restoration of wetland and riparian forest habitat (2009-present), active guidance and participation in the Stakeholder Advisory Group for the Mad River Watershed Assessment (2010), site host for approximately 150 attendees of the first Mad River Symposium (2011), and ongoing consultations and collaborations with agencies, organizations, and individuals to ensure meaningful protections for clean water in Mad River. This 1707 instream flow dedication is acknowledged as a critical measure to protect clean water resources in Mad River.

Two of the more important ~~recent~~ observations in Mad River made by Blue Lake Rancheria Environmental Programs staff in recent memory are: Harmful Algal Bloom presence and toxin concentration data (2020-present), and the data to support the petition to list summer-run steelhead as 'endangered' under the California Endangered Species Act. These two biological indicators of watershed health show the dire need for dedicated instream water rights as a beneficial use of water in the watershed. Mad River remains on the Environmental Protection Agency's 303(d) list of impaired waters for sediment, siltation, and turbidity (1992) and temperature (2005). Given that persistent drought, extreme wildfire events, and climate change are creating conditions for a less predictable water supply, this 1707 instream flow dedication to Mad River is one direct measure to protect surface water quality and quantity throughout a majority of the watershed.

The Blue Lake Rancheria Tribe urges all to support Baduwa't and the quality and quantity of aquatic resources within Mad River by accepting the 1707 instream flow dedication promulgated by the Humboldt Bay Municipal Water District.

Respectfully,

Ava Iorizzo
Blue Lake Rancheria Environmental Programs Department

Amber Jamieson 1 day ago

Humboldt Bay Municipal Water District Petition for Mad River Instream Flow Dedication

On February 12, 2024, the Humboldt Bay Municipal Water District (HBMWD) held a public meeting to discuss dedicating instream flows on the Mad (Baduwa't) River. HBMWD is applying for a petition for change under Water Code section 1707, which would permanently dedicate a portion of the District's water right to instream flow for environmental benefit.

Ruth Lake & Matthews Dam. Photo by HBMWD.

Currently, water from the Mad River is stored in the Ruth Lake reservoir, which is impounded by Matthews Dam. Flows are released 75 miles downstream to HBMWD's diversion facility at Essex. Municipal water is then pumped from below the Mad River stream bed and sent to its seven municipal (drinking water) users: the cities of Arcata, Eureka, and Blue Lake, and the Fieldbrook-Glendale, Humboldt, Manila, and McKinleyville Community Services Districts. Industrial water is pumped from surface water and distributed to industrial users, which have historically been on the Samoa Peninsula. HBMWD maintains an industrial water system capable of supplying 60 million gallons per day (MGD) of untreated water for industrial customers and a domestic water system capable of supplying about 20 MGD of drinking water.

The Samoa Planing Mill, closed in 2010. Photo by Ellin Beltz via Wikimedia Commons (CC BY-SA 3.0).

Since the last pulp mill on the Samoa Peninsula was closed in 2010, HBMWD no longer has an industrial customer base and there has been an 80% drop in district-wide water consumption. Water rights are owned by the State of California, and operate under a "use it or lose it" system, in which unused water could technically be transferred to other water users, potentially in the form of an out-of-basin transfer. The existing water rights are up for review by the State Water Resources Control Board in 2029, and if a solution is not proposed prior to 2029, there is a chance that we could lose the rights to that water.

In order to maintain local control of Mad River water, HBMWD has opted to permanently dedicate a portion of its existing water rights in the Mad River for

beneficial instream uses. At the February 2024 public meeting, HBMWD made it clear that this proposal would not change the instream flows that have been in place since 2010.

In 2023, HBMWD submitted a Draft Petition for Change to the State Water Resources Control Board to staff for review, and the next step is to engage the public in the process. Provided that the instream flows would not change from current conditions, which have generally been beneficial to the Mad River and the species that inhabit the river, and all processes and requirements are fulfilled to ensure the protection of the environment throughout the instream flow dedication process, EPIC is supportive of this proposal. We plan to stay engaged in this process as it unfolds and will update our readers as it progresses.

The Mad River viewed from the Humboldt Coastal Trail trestle in October 2023. Photo by Pi.1415926535 via Wikipedia (CC BY-SA 4.0).

Department of Toxic Substances Control
Former McNamara and Peepe Lumber Mill
Monthly Summary Report

February 2024

This monthly summary report summarizes environmental site investigation and remediation activities conducted by the Department of Toxic Substances Control (DTSC) or by their contractor, SHN Consulting Engineers and Geologists, Inc. (SHN) at the former McNamara and Peepe Lumber Mill Site.

a. Actions during this calendar month (February 2024).

Virtual Quarterly Update Meeting. The virtual quarterly update meeting with DTSC, EPA, Humboldt Bay Municipal Water District, and Humboldt Waterkeeper will be held on February 29, 2024.

b. Planned activities for the next month (March 2024) and beyond.

- 2023 Site Investigation Report of Findings. DTSC is currently reviewing the 2023 site investigation report. The review is expected to be completed in early 2024.

- Second Semi-Annual 2023 Groundwater Sampling Report. A summary of activities and results for the second semi-annual groundwater sampling event was submitted by SHN and is currently being reviewed by DTSC.

- Virtual Quarterly Update Meeting. The virtual quarterly update meeting with DTSC, EPA, Humboldt Bay Municipal Water District, and Humboldt Waterkeeper will be held in April 2024. A date and an agenda will be sent out in March.

McNamara and Peepe
Quarterly Meeting Agenda
February 29, 2024

Attendees: DTSC (Marikka Hughes, Ashley Blesio, Vanessa Davis), EPA (Cynthia Ruelas, Harry Beller, Edwin Poalinelli), Humboldt Bay Municipal Water District (Neal Latt, Michelle Fuller, John Friedenbach), Humboldt Waterkeeper (Jen Kalt), SWAPE (Matt Hagemann)

1. Introduction
2. Updates on McNamara site documents:
    a. Contract was extended with SHN and includes the following activities:
        i. Health and Human Risk Assessment
        ii. Additional field work and report to help close data gaps
        iii. Dates of work will be determined at a later date
    b. First Half 2023 GMR Approval
3. Update on anonymous tip:
    a. Jen spoke with the anonymous tipster about dumping 6 drums full of pentachlorophenol upslope from the cap back in 1997. Jen gave him Marikka's phone number and explained that his call will be anonymous. If he doesn't call, Jen will follow up.

Department of Toxic Substances Control

Yana Garcia
Secretary for
Environmental Protection

Meredith Williams, Ph.D.
Director
700 Heinz Avenue
Berkeley, California 94710-2721

Gavin Newsom
Governor

February 27, 2024

Mr. Erik Nielsen, P.G., C.H.G.
SHN Engineers and Geologists, Inc.
812 W Wabash Avenue
Eureka, California 95501
Enielsen@shn-engr.com

Contract No.: 20-T4839 Amendment No. 3 Work Order No.1
Site Name: McNamara and Peepe Lumber Mill Site
Scope of Work Title: Site Investigation

Dear Ms. Nielsen:

In accordance with Contract No. 20-T4839 Amendment No. 3 (Contract), enclosed is Work Order No. 1 (Work Order). The Work Order describes the Scope of Work (Attachment A) and the Budget Detail (Attachment B). This letter serves as the Contractor's authorization to commence work no later than February 27, 2024.

This Work Order is issued under the authority of the Contract between SHN Engineers and Geologist Inc. (Contractor) and the Department of Toxic Substances Control (DTSC). The terms and conditions of the Contract shall govern the execution of this Work Order and this document shall become part of the Contract upon issuance. If the Contractor fails to notify the Project Manager/ Contract Manager that the cost of work performed will exceed the maximums allowed in the Budget Detail before such costs are incurred, it may be determined that the Contractor has acted as a "volunteer" in rendering those services and is not entitled to additional payment.

The Project Manager for Work Order Amendment is Vanessa Davis and should be contacted at (510) 540-3819 for further information. The Project Manager shall supervise and approve all work performed and/or deliverables required under this Work Order.

Sincerely,

Moises Carvalho, P.G., Contract Manager
Site Mitigation and Restoration Program

Enclosure

cc:
Ms. Vanessa Davis, Vanessa.Davis@dtsc.ca.gov
Ms. Jennifer Boruck, Jennifer.Boruck@dtsc.ca.gov

DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC)
SITE MONITORING

Work Order Approval Form

McNamara and Peepe Lumber Mill Site Name/Project Name	20-T4839 Amendment 3 Agreement No.
Site Investigation Scope of Work Title	1 Work Order No.
200066/17018 Project/PCA Code	N/A Work Order Amendment No.
$ 242,172.00 Total Amount of This Work Order or Amendment	$ 242,172.00 Total Cumulative Cost of Work Order

I have reviewed the attached Work Order or Amendment and agree that the Scope of Work described is necessary and adequate and that the project costs, terms, and conditions are acceptable.

DTSC Project Manager — Date: 2/26/2024

SHN Consulting Engineers and Geologists, Inc. — Date: 2/26/24

DTSC Contract Manager — Date: 2/27/2024

SHN Consulting Engineers & Geologists, Inc.
20-T4839, Amendment 3

WORK ORDER NUMBER 1 AMENDMENT 3

SHN Consulting Engineers and Geologists, Inc. is hereby authorized to provide personnel, services, materials and equipment to conduct investigation activities at the McNamara and Peepe Lumber Mill site located at 1619 Glendale Drive, McKinleyville, California (Site).

All work performed shall be in accordance with the requirements outlined in the Master Services Agreement 20-T4839 (Contract). The Scope of Work (Attachment A) and Budget (Attachment B) are hereby incorporated by reference into this Work Order.

GENERAL PROVISIONS

1. The work is to be conducted in accordance with the requirements outlined in the Standard Agreement.
2. Bid Rates and Terms and Conditions of the Contract shall apply to this Work Order and be incorporated by reference.
3. Actual costs shall be invoiced no more often than monthly upon completion of the described activities in this Work Order.
4. Actual Costs will be paid in accordance with the Contract Terms and Conditions.
5. Contractor will be reimbursed for general and administrative overhead expenses associated with obtaining all non-bid equipment, materials, supplies, and subcontracted services. For non-bid rate items of expenditure, the State agrees to pay the contractor for any actual costs incurred without any additional markup for profit.
6. Other direct cost items including equipment, freight/delivery, external production, materials/supplies, and permits will be paid at their actual costs.
7. Travel is authorized for Contractor's staff. All travel costs including lodging, per diem, and mileage will be paid at State rates for non-represented employees. No markup will be allowed.
8. For all non-bid rate items, the approved handling fee is 10%.
9. For this Work Order No. 1, the total costs of the activities described the Scope of Work (Attachment A) shall not exceed **$242,172.00**.

ATTACHMENT A
SCOPE OF WORK

I. WORK ORDERED

The Contractor is hereby authorized to perform the activities listed as Tasks 1, 3, 5, 6, 6, 11, 14, 15, 16,17 and 18

Properly trained and qualified personnel shall conduct the activities described under the aforesaid tasks.

The Contractor shall conduct all activities in a timely and cost-effective manner. All deliverables shall be submitted to DTSC for approval. Properly trained and qualified individuals shall conduct all field and laboratory procedures

All samples submitted to the laboratory shall follow DTSC- or EPA-approved sampling and analytical methods.

All submittals shall include a draft version of the document in electronic form (in editable Word™ text and figures in Adobe Acrobat Portable Document Format [PDF™]) for DTSC review. The final version should be produced in one (1) bound paper copy and in electronic (PDF™) format.

Task 1 – Groundwater Sampling

Contractor shall conduct two (2) rounds of groundwater monitoring from twelve (12) groundwater monitoring wells at the Site. As part of services requested under Task 15 (Data Gap Site Investigation Fieldwork), four additional groundwater monitoring wells will be installed at the Site; these wells will be included in the groundwater monitoring program after installation. Groundwater samples shall include analysis for pentachlorophenol (PCP) and tetrachlorophenol (TCP) in all groundwater samples according to EPA method 8290A. Groundwater samples from MW-1, MW-5, MW-10, MW-11, MW-12, MW-13, MW-14, MW-15 and MW-16 shall also be analyzed for dioxins according to National Council for Air and Stream Improvement, Inc. Method 86.07. Groundwater samples from the four new groundwater wells will also be sampled for dioxins. A duplicate sample shall be collected from MW-10 and analyzed for PCP, TCP, and dioxins to monitor downgradient constituents of concern.

All groundwater samples shall be field filtered and analyzed in the field for dissolved oxygen, oxidation-reduction potential, pH, turbidity, and temperature using a calibrated water quality meter combined with a flow-through cell. Groundwater level measurements shall be collected from all site monitoring wells during the groundwater sampling event.

Contractor shall implement the Groundwater Monitoring Work Plan (GW Monitoring Work Plan): dated July 31, 2019, available on Envirostor[1].

Any proposed deviation to the GW Monitoring Work Plan shall be submitted to DTSC for prior written approval before implementation.

Task 3 – Groundwater Monitoring Report

The Contractor shall prepare a summary report (Report) after each groundwater monitoring event in Task 1. The Report shall include the following:

- Sample analysis results including summary tables and laboratory analysis reports;
- Figures depicting groundwater elevation contours and results for constituents of concern;
- Isoconcentration contour and flow direction maps;
- Groundwater sampling field forms;
- Deviations from the GW Monitoring Work Plan;
- Laboratory data validation.

Task 5 – Surface Water Sampling

Contractor shall conduct two (2) rounds of surface water monitoring at the Site, weather permitting. Each round will include a minimum of eight (8) surface water locations or as directed by DTSC. Contractor shall implement the DTSC-approved Surface Water Monitoring Work Plan, dated February 2021, available on Envirostor[2]. Each surface water monitoring event shall include analysis for PCP, TCP, and dioxins as directed by DTSC.

Any proposed deviation to the Work Plan shall be submitted to DTSC for prior written approval before implementation.

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[1] https://www.envirostor.dtsc.ca.gov/getfile?filename=/public%2Fdeliverable_documents%2F4478609979%2FDTSC%20MP%20WorkPlan_Final.pdf

[2] https://envirostor.dtsc.ca.gov/regulators/deliverable_documents/8918734490/20210203-SW-SAP.pdf

Task 6 – Surface Water Monitoring Reports

The Contractor shall prepare a surface water monitoring report (Report) after each monitoring event in Task 5. The Report shall include the following:

- Sample analysis results including summary tables and laboratory analysis reports;
- Figures depicting storm water sample locations and flow
- Surface water sampling field forms;
- Deviations from the Surface Water Monitoring Work Plan;
- Laboratory data validation.

Task 11 – Meetings and Miscellaneous Tasks

Contractor shall provide technical consultative services as needed. Technical consultative services may include but are not limited to participating in meetings and conference calls with DTSC, as needed, to the following: (i) discuss submitted deliverables (documents) and/or to address DTSC comments on the documents, and (ii) support DTSC in responding to comments from the public and other agencies.

Task 14 – Data Gap Site Investigation Work Plan

In order to addressed data gaps at the Site and expand the groundwater monitoring network, Contractor shall prepare a data gap site investigation work plan to:

- Install two (2) groundwater monitoring wells and advance four (4) soil borings north of MW-14 up to a depth of approximately 25 feet below ground surface (bgs)
- Install two (2) groundwater monitoring wells and three (3) soil borings up to a depth of approximately 25 feet below bgs in the vicinity of the former conical burner.

Up to five (5) soil samples shall be collected from each of the eleven (11) borings or as directed by DTSC. If shallow ground water in encountered, grab

groundwater samples shall be collected from the soil borings with a bailer, jar or as directed by DTSC. Quality assurance/quality check samples for soil and groundwater shall be collected as directed by DTSC. The groundwater monitoring wells shall be developed, surveyed, and sampled as part of the groundwater monitoring events as described in Task 1. Soil and groundwater samples shall be analyzed for PCP, TCP, and dioxin/furans as directed by DTSC. Contractor shall submit the draft data gap site investigation work plan to DTSC for review and comment before a final version is completed and implementation of work begins.

Task 15 – Data Gap Site Investigation Fieldwork

Contractor shall conduct the data gap site investigation fieldwork in accordance with the approved data gap site investigation work plan (Task 14). Contractor shall ensure that appropriate security measures are taken to protect public health and safety during the execution of the data gap site investigation.

Properly trained and qualified individuals shall conduct all field and sampling procedures. All subcontractors shall be given a copy of the Health and Safety Plan (HSP) prior to entering the Site. Any supplemental HSP prepared by any subcontractor shall also be prepared in accordance with the regulations and guidance identified in the HSP. Contractor shall be responsible for ensuring that all subcontractor supplemental HSP will follow regulations and guidelines identified in the HSP

Contractor shall prepare and submit permit applications and appropriate fees for well installation and borings to the Humboldt County Department of Environmental Health. Contractor shall be responsible for the utility clearance, waste profiling, transportation, and disposal of any debris, soils, or other wastes consistent with the Data Gap Site Investigation Workplan (Task 14). Properly trained and qualified individuals shall conduct all field and laboratory procedures.

Task 16 – Data Gap Site Investigation Technical Memorandum

Contractor shall submit a technical memorandum that documents the results and findings from the data gap site investigation, consistent with Task 15. The memorandum shall include the following:

- Details of well installation
- Well completion logs
- Boring logs

- Figures depicting new well, boring and sample location
- Groundwater contaminant plume distribution maps,
- Tables of sample results
- Copies of all laboratory analytical data
- Fieldwork observations
- Discussion of results.
- Field Forms
- Deviations from the GW Monitoring Work Plan;
- Laboratory data validation

Contractor shall submit the draft technical memorandum to DTSC for review and comment prior to completing the final version.

Task 17 – Risk Assessment

Contractor, or their subcontractor (upon receipt of written approval from DTSC) shall review available Site data information to conduct a health human risk assessment (HHRA) to evaluate the human health risk of potential exposure to the Site's soil, stormwater, and groundwater under a residential scenario. The HHRA results (HHRA Report) will be considered to evaluate whether further soil and/or groundwater remedial actions are needed to mitigate the human health risks at the Site.

The HHRA Report shall be consistent with USEPA December 1989 Risk Assessment Guidance for Superfund Volume I Human Health Evaluation Manual (Part A)[3] and DTSC October 2015 Preliminary Endangerment Assessment Guidance Manual's sections 2.4.5 (Data Evaluation), 2.5 (Human Health Screening Risk Evaluation)[4] and 3.2.8 (Human Health Screening Evaluation)

Contractor shall submit the draft HHRA report to DTSC for review and comment prior to completing the final version.

[3] https://www.epa.gov/sites/default/files/2015-09/documents/rags_a.pdf

[4] https://www.gsweventcenter.com/Appeal_Response_References/2015_10_CalEPA.pdf

Task 18 – Site Housekeeping

Contractor, or their subcontractor (upon receipt of written approval from DTSC) shall pressure wash the Site of detritus (e.g., dirt, wood chips, etc.), especially in areas near the stormwater conveyance ditches. The detritus, materials used to clean, and wash water shall be collected and prevented from entering the stormwater conveyance ditches. Contractor shall be responsible for the containment of detritus and wash water, waste profiling, transportation, and disposal of any debris, soils, wastewater, or other wastes in accordance with applicable laws and regulations.

II. DESCRIPTION OF WORK ORDERED AND SCHEDULE

Task	Description	Schedule
1	Groundwater Sampling	First round after Task 13 is completed by March 31, 2024 Second round completed by October 31, 2024
3	Groundwater Monitoring Report	No later than 4 weeks after groundwater sampling event
5	Surface Water Sampling	Both rounds completed by December 31, 2024 depending on rain events
6	Surface Water Sampling Report	No later than 4 weeks after surface water sampling event
11	Meetings and Miscellaneous Tasks	Throughout length of contract
14	Data Gap Site Investigation Work Plan	No later than May 1, 2024
15	Data Gap Site Investigation Fieldwork	No later than August 15, 2024
16	Data Gap Site Investigation Technical Memorandum	No later than 8 weeks after Task 15 is completed

17	Risk Assessment	No later than September 15, 2024
18	Site Housekeeping	No later than December 31, 2024

III. CONDITIONS OF PAYMENT

The Contractor may submit an invoice once each task has been completed as follows:

Tasks 1, 5, 15, 18:
- Upon completion of each Task

Tasks 3, 6, 14, 16, 17
- Upon submittal of draft deliverable: actual hours up to 75% of task budget
- Upon approval of final deliverable: actual hours up to 25% of task budget.

Task 11:
- As completed throughout the length of the contract.

Budget

The Budget shall not exceed $242,172.00 and the total breakdown is as follows:

TABLE - SUMMARY OF COSTS BY CATEGORIES

Labor	$83,314.00
Equipment	$1,400.00
Subcontractors	$142,860.00
ODC Fee 10%	$14,286.00
Travel	$312.00
Total	$242,172.00

The DTSC Contract Manager may move funds between line items in the budget as long as it does not exceed the total budgeted amount.

Contractor shall submit no more than one invoice per month.

*Access to and use of funding from the contingency line item shall be directed by the DTSC Contract Manager only and requires written approval by the DTSC Contract Manager through a Work Order.

Schedule of Other Direct Cost Items

Other Direct Cost items which may be used during the performance of this Contract which are not included in Contractor's overhead will be billed to DTSC at the actual cost with a 10% fee and requires approval of the DTSC Contract Manager. These direct cost items include, but are not limited to, the following:

Item	Cost to DTSC
Equipment (owned or rented)	Market rental rates
Laboratory Services	Actual cost per test
External Services	Actual cost
Subcontractor Costs	Actual cost
External reproduction	Actual cost
Freight and Delivery	Actual cost
Materials/Supplies	Actual cost

ATTACHMENT B BUDGET
McNamara and Peepe

Project: McNamara Peepe Lumber Yard Task
Site Code 200066
Location: Arcata, CA

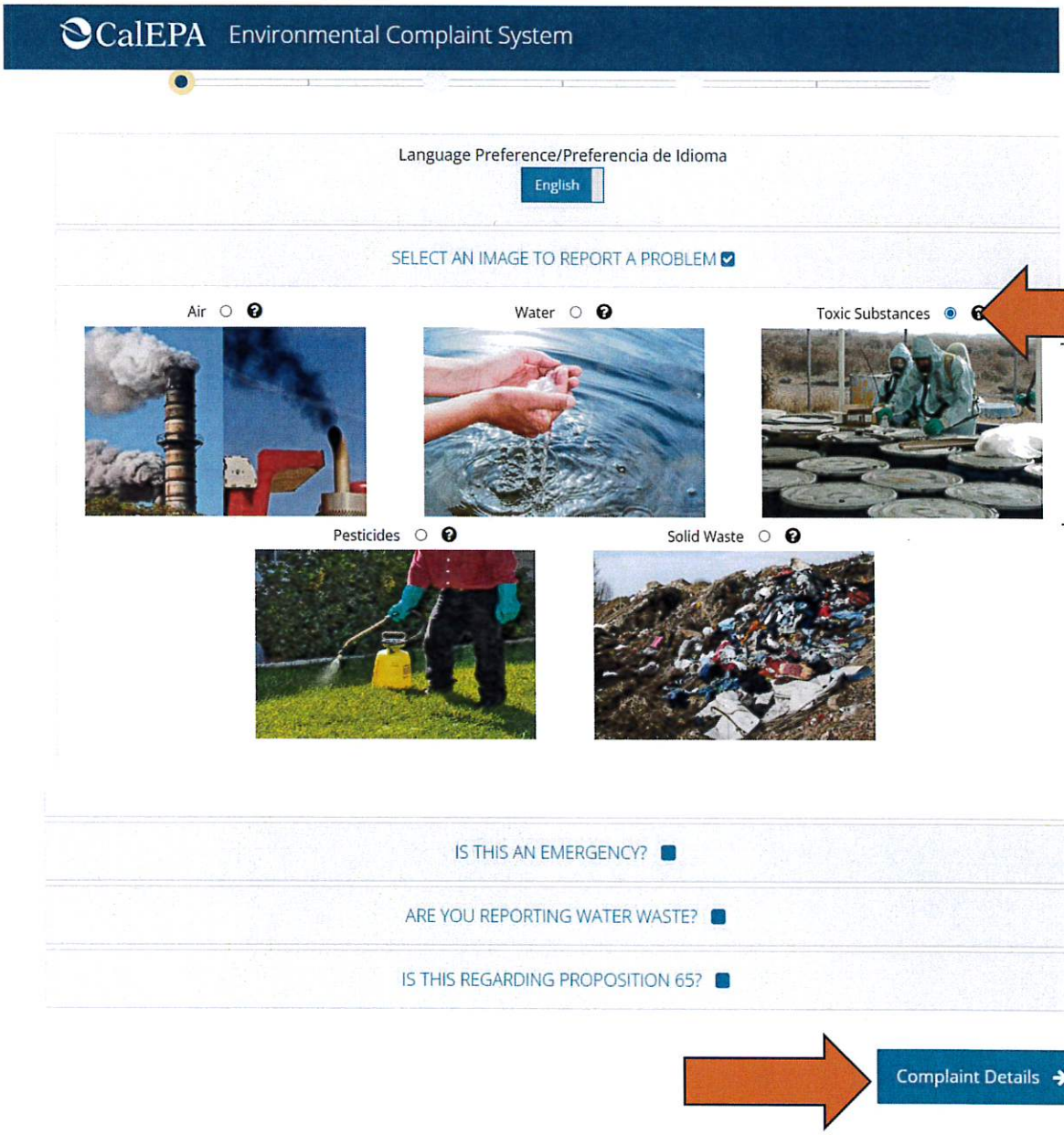
		1 Groundwater Sampling		3 Groundwater Monitoring Report		5 Surface Water Sampling		8 Surface Water Monitoring Report		11 Meetings and Miscellaneous Tasks		14 Data Gap Site Investigation Work Plan		15 Data Gap Site Field Investigation		16 Data Gap Site Investigation Technical Memorandum		17 Risk Assessment		18 Site Housekeeping		Total	
LABOR	Unit Rate ($)			Units	Task ($)	Units	Task ($)	Units	Task ($)	Units	Task ($)	Units	Task ($)	Units	Task ($)	Units	Task ($)	Units	Task ($)	Units	Task ($)	Total Units	Total ($)
Project Manager	$194.00	4	$776.00	8	$1,552.00	4	$776.00	4	$776.00	30	$5,820.00	4	$776.00	20	$3,880.00	8	$1,552.00	15	$2,910.00	4	$776.00	101	$19,594.00
Geologist	$136.00	8	$1,088.00	16	$2,176.00	4	$544.00	12	$1,632.00	8	$1,088.00	16	$2,176.00	50	$6,800.00	16	$2,176.00	35	$4,760.00		.00	165	$22,440.00
Enviro Staff	$130.00	64	$8,320.00	16	$2,080.00	24	$3,120.00	8	$1,040.00		.00	8	$1,040.00	40	$5,200.00	8	$1,040.00	30	$3,900.00	20	$2,600.00	218	$28,340.00
QA/QC	$189.00		.00	4	$756.00		.00		.00	8	$1,512.00	4	$756.00		.00	4	$756.00	8	$1,512.00		.00	28	$5,292.00
Drafter/GIS	$118.00		.00	4	$472.00		.00	4	$472.00		.00	4	$472.00		.00	4	$472.00		.00	2	$236.00	18	$2,124.00
Admin	$100.00		.00	8	$800.00		.00	8	$800.00		.00	4	$400.00		.00	4	$400.00		.00		.00	24	$2,400.00
[illegible]	$170.00		.00		.00	2	$340.00	4	$680.00		.00		.00		.00		.00		.00	2	$340.00	8	$1,360.00
Sampler	$147.00		.00		.00		.00		.00		.00		.00	12	$1,764.00		.00		.00		.00	12	$1,764.00
		76	$10,184.00	56	$7,836.00	34	$4,780.00	40	$5,400.00	46	$8,420.00	40	$5,620.00	122	$17,644.00	44	$6,396.00		$13,082.00	28	$3,952.00	574	$83,314.00

MATERIALS and ODCs	Unit Rate ($)	1 Units	1 Task ($)	3 Units	3 Task ($)	5 Units	5 Task ($)	8 Units	8 Task ($)	11 Units	11 Task ($)	14 Units	14 Task ($)	15 Units	15 Task ($)	16 Units	16 Task ($)	17 Units	17 Task ($)	18 Units	18 Task ($)	Total Units	Total ($)
Other Direct Costs (ODCs)																							
Equipment																							
Storm Washer	$125.00																						$0.00
Groundwater sampling equipment	$250.00	2	$500.00											2	$500.00							4	$1,000.00
Misc equipment	$100.00		$0.00			2	$200.00							2	$200.00							4	$400.00
Subcontractors																							$0.00
Analytical PCP/TCP	[illegible]	[illegible]	$8,450.00			15	$3,430.00							46	$14,950.00							114	$24,510.00
Analytical dioxins	[illegible]	35	[illegible]			18	$10,000.00							54	$31,350.00							76	$47,500.00
DIV [illegible]	$975.00	1	$975.00											2	$1,950.00					1	$975.00	4	$3,900.00
Waste disposal (drums)	$400.00	2	$800.00											4	$1,600.00					8	$3,200.00	14	$5,600.00
Sample shipping	$250.00	4	$1,500.00			4	$1,000.00							6	$1,500.00							16	$4,000.00
Other	$28,500.00		$0.00											1	$28,500.00							1	$28,500.00
Site Housekeeping	$7,500.00		$0.00																	1	$7,500.00	1	$7,500.00
Risk Assessment	$20,000.00		$0.00															1	$20,000.00			1	$20,000.00
Permits	$1,750.00		$0.00											1	$1,750.00							1	$1,750.00
ODCs			$25,975.00		.00		$14,440.00		.00				.00		$70,670.00		.00		$20,000.00		$11,775.00		$142,850.00
ODC Fee 10 %			$2,597.50		.00		$1,444.00		.00				.00		$7,067.00		.00		$2,000.00		$1,177.50		$14,286.00
Travel	$0.65	60	$39.00		.00	60	$39.00		.00				.00	240	$156.00		.00		.00	120	$78.00	480	$312.00
Total ODC			$29,111.50		.00		$16,123.00		.00		.00		.00		$78,893.00		.00		$22,000.00		$13,033.50		$158,858.00
Task Total Costs			$39,295.50		$7,836.00		$20,903.00		$5,400.00		$8,420.00		$5,620.00		$96,537.00		$6,396.00		$35,082.00		$16,985.50		$242,172.00

Labor	$83,314.00
Equipment	$1,400.00
Subcontractors	$142,850.00
ODC Fee 10%	$14,286.00
Travel	$312.00
Total	$242,172.00

To file an anonymous compliant with California DTSC
(Department of Toxics and Substance Control)

https://calepa.my.salesforce-sites.com/complaints/



Select this Topic: Toxic Substances to submit to DTSC.

Click here to enter Complaint Details.

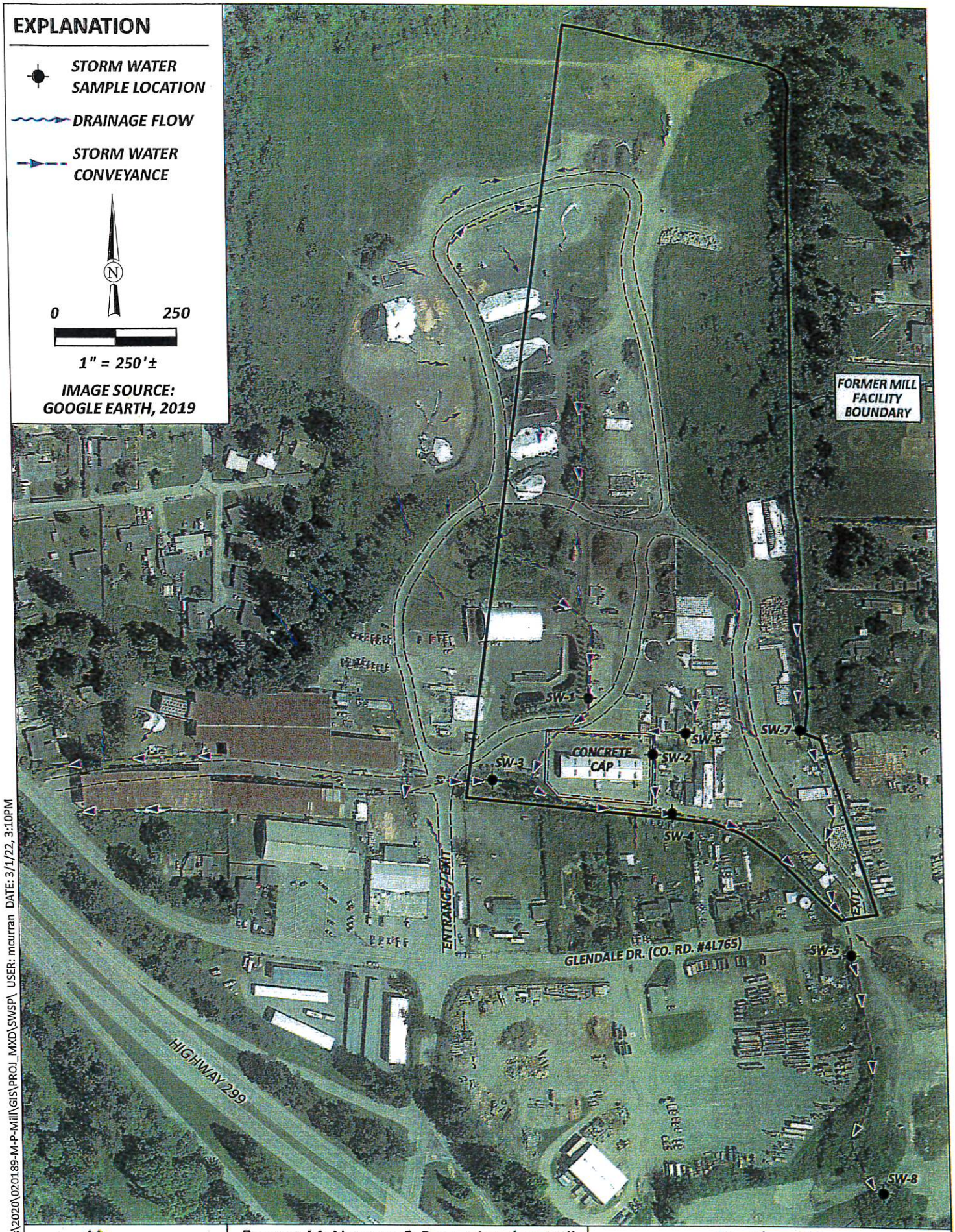
DTSC website for McNamara & Peepe Lumber Mill (12240115)

1619 Glendale Drive

Humboldt County

https://www.envirostor.dtsc.ca.gov/public/profile_report?global_id=12240115

SECTION 8.2.b PAGE NO. 2



Former McNamara & Peepe Lumber Mill
Storm Water Sampling Plan
Glendale Drive, Arcata, California

Site Plan with
Storm Water Sample Locations
SHN 020189.050

March 2022 | SWSP_Fig2_SitePlan_20220111 | Figure 2

labeled, immediately placed in an ice-filled cooler, and submitted to the laboratory for analyses under the appropriate chain-of-custody documentation.

Monitoring and sampling equipment was cleaned prior to arriving onsite and between use at each sampling location. Small equipment that required onsite cleaning was washed in a water solution containing Liquinox® cleaner, followed by two distilled-water rinses. Appendix 1 presents field notes for stormwater sample collection.

3.0 Laboratory Analysis

Stormwater samples collected were analyzed for:

- chlorinated phenols (pentachlorophenol [PCP] and tetrachlorophenol [TCP]) by National Council for Air and Stream Improvement, Inc. Method 86.07, and
- chlorinated dibenzodioxins and chlorinated dibenzofurans (dioxins and furans) by U.S. Environmental Protection Agency (EPA) Method 8290A

North Coast Laboratories, Ltd., a state-certified analytical laboratory located in Arcata, California, performed the PCP and TCP analysis. The reporting limit (RL) for each constituent are as follows:

- PCP = 0.3 micrograms per liter (ug/L)
- 2,3,4,6-TCP = 1.0 ug/L

Dioxins were analyzed by Enthalpy Analytical - EDH, a state-certified analytical laboratory located in El Dorado Hills, California. The estimated detection limit (EDL) for 2,3,7,8-tetrachlorobenzeno-p-dioxin (TCDD) ranged from 0.466 to 1.36 picograms per liter (pg/L). The method detection limit (MDL) for 2,3,7,8-TCDD analysis for all stormwater samples analyzed was 0.169 pg/L, with the exception of SW-2 and SW-3 with an MDL of 0.170 pg/L.

4.0 Stormwater Sampling Results

Table 1 summarizes the February 27, 2023, stormwater analytical results for dioxins, PCP, and TCP.

Table 1. Stormwater Analytical Results, February 27, 2023
Former McNamara and Peepe Lumber Mill, Arcata, California

Sample Location	2,3,7,8-TCDD[a] (pg/L)[b]	2005 WHO TEQ[c] (pg/L)	PCP[d] (ug/L)[e]	TCP[d] (ug/L)
SW-1	<0.714[f]	0.00	<0.30	<1.0
SW-2	< 1.36	1.73 J[g]	<0.30	<1.0
SW-3	<0.618	0.262 J	<0.30	<1.0
SW-4	<0.597	0.255 J	<0.30	<1.0
SW-5	<0.466	0.483 J	<0.30	<1.0
SW-6	0.805	6.10 J	<0.30	<1.0
SW-7	<0.799	1.66 J	<0.30	<1.0
MCL[h]	**30**	**NR[i]**	**1.0**	**NR**
PHGs[j]	**0.05**	**NR**	**0.3**	**NR**

[a] 2,3,7,8-TCDD: 2,3,7,8-Tetrachlorodibenzodioxin was analyzed in general accordance with EPA Method 8290
[b] pg/L: picograms per liter
[c] 2005 WHO TEQ: 2005 World Health Organization's Toxic Equivalency Quotient, TEF calculations. TEQs are J-flagged as they are calculated from one or more result with a J-flag (Analyte concentration below calibration range).
[d] Pentachlorophenol (PCP) and 2,3,4,6-Tetrachlorophenol (TCP) were analyzed in general accordance with National Council for Air and Stream Improvement, Inc. Method 86.07
[e] ug/L: micrograms per liter
[f] <: "less than" the stated laboratory reporting limit for chlorophenols and detection limit for dioxins
[g] J: The amount detected is below the Reporting Limit/Limit of Quantitation.
[h] MCL: maximum contaminant level, State Water Resources Control Board, March 13, 2019
[i] NR: no reference
[j] PHGs: California public health goals, Office of Environmental Health Hazard Assessment, March 13, 2019

Appendix 2 includes the complete analytical test results, chain-of-custody documentation, and laboratory quality control data. Multipliers used for the 2005 World Health Organization Toxic Equivalency Factors (TEFs) for dioxins and furan compounds are additionally provided in Appendix 2. Historical stormwater sample results for the former McNamara and Peepe Lumber Mill are provided in Appendix 3.

5.0 Discussion of Results

Concentrations of PCP, TCP, or the dioxin congener 2,3,7,8-TCDD were not identified in stormwater samples collected during the February 27, 2023, sampling event above laboratory method detection limits. The stormwater sample collected from location SW-6 did report an estimated maximum potential concentration (EMPC) of 0.805 pg/L for 2,3,7,8-TCDD. TEQs are J-flagged as they are calculated from one or more result with a J-flag (analyte concentration is below the detection limit/limit of quantitation). Analytical results for the most immediate downstream location of the concrete cap (SW-4) indicate no detectable concentrations of 2,3,7,8-TCDD and a TEQ of 0.255 J pg/L.

Table 3-1
Historical Storm Water Sample Results
Former McNamara and Peepe Lumber Mill, Arcata, California

Sample Location	Date	2,3,7,8-TCDD[a] (pg/L)[b]	2005 WHO TEQ[c] (pg/L)	PCP[d] (ug/L)[e]	TCP[d] (ug/L)
SW-1	2/18/21	<0.512[f]	0.0736 J[g]	<0.30	<1.0
	12/15/21	<0.721	0.351 J	<0.30	<1.0
	4/14/22	<0.743	0.181 J	<0.30	<1.0
	12/08/22	<0.592	4.37 J	<0.30	<1.0
	2/27/23	<0.714	0.00	<0.30	<1.0
SW-2	2/18/21	<0.609	7.79 J	<0.30	<1.0
	12/15/21	<0.508	2.70 J	<0.30	<1.0
	12/15/21 (F)[h]	<0.645	0.308 J	--	--
	4/14/22	5.18	96.1 J	<0.30	<1.0
	12/08/22	<0.604	2.58 J	<0.30	<1.0
	2/27/23	<1.36	1.73 J	<0.30	<1.0
SW-3	2/18/21	<0.530	4.44 J	0.099 J	<1.0
	12/15/21	<0.688	6.82 J	0.091 J	<1.0
	4/14/22	<0.745	0.179 J	<0.30	<1.0
	12/08/22	<0.733	4.47 J	<0.30	<1.0
	2/27/23	<0.618	0.262 J	<0.30	<1.0
SW-4	2/18/21	<0.459	11.4 J	0.11 J	<1.0
	12/15/21	<0.731	5.87 J	<0.30	<1.0
	12/15/21 (F)	<0.715	0.945 J	--	--
	4/14/22	<0.817	0.233 J	<0.30	<1.0
	12/08/22	<0.715	3.30 J	<0.30	<1.0
	2/27/23	<0.597	0.255 J	<0.30	<1.0
SW-5	2/18/21	<0.762	8.04 J	0.14 J	<1.0
	12/15/21	<0.602	4.06 J	<0.30	<1.0
	12/15/21 (F)	<0.785	1.39 J	--	--
	4/14/22	<0.697	3.74 J	<0.30	<1.0
	12/08/22	1.55 J	19.1 J	<0.30	<1.0
	2/27/23	<0.466	0.483 J	<0.30	<1.0
SW-6	12/15/21	5.12	63.9 J	<0.30	<1.0
	12/15/21 (F)	<0.713	0.0572 J	--	--
	4/14/22	4.95	121 J	0.48	<1.0
	12/08/22	<0.700	8.54 J	<0.30	<1.0
	2/27/23	0.805	6.10 J	<0.30	<1.0

Table 3-1
Historical Storm Water Sample Results
Former McNamara and Peepe Lumber Mill, Arcata, California

Sample Location	Date	2,3,7,8-TCDD[a] (pg/L)[b]	2005 WHO TEQ[c] (pg/L)	PCP[d] (ug/L)[e]	TCP[d] (ug/L)
SW-7	12/15/21	<0.634	4.87 J	0.21 J	<1.0
	12/15/21 (F)	<0.728	0.970 J	--	--
	4/14/22	<0.771	0.317 J	0.15 J	<1.0
	12/08/22	2.59 J	36.8 J	0.12 J	<1.0
	2/27/23	<0.799	1.66 J	<0.30	<1.0
SW-8	12/15/21	<0.797	3.80 J	<0.30	<1.0
	12/15/21 (F)	<0.733	2.38 J	--	--
	4/14/22	<0.715	1.35 J	<0.30	<1.0
MCL[i]		**30**	**NR[j]**	**1.0**	**NR**
PHGs[k]		**0.05**	**NR**	**0.3**	**NR**

[a] 2,3,7,8-TCDD: 2,3,7,8-Tetrachlorodibenzodioxin was analyzed in general accordance with EPA Method 8290
[b] pg/L: picograms per liter
[c] 2005 WHO TEQ: 2005 World Health Organization's Toxic Equivalency Quotient, TEF calculations. TEQs are J-flagged as they are calculated from one or more result with a J-flag (Analyte concentration below calibration range).
[d] Pentachlorophenol (PCP) and 2,3,4,6-Tetrachlorophenol (TCP) were analyzed in general accordance with National Council for Air and Stream Improvement, Inc. Method 86.07
[e] ug/L: micrograms per liter
[f] <: "less than" the stated laboratory reporting limit
[g] J: estimated value
[h] (F): Field filtration prior to sample collection using a new 0.45-micron filter
[i] MCL: maximum contaminant level, State Water Resources Control Board, March 13, 2019
[j] NR: no reference
[k] PHGs: California public health goals, Office of Environmental Health Hazard Assessment, March 13, 2019

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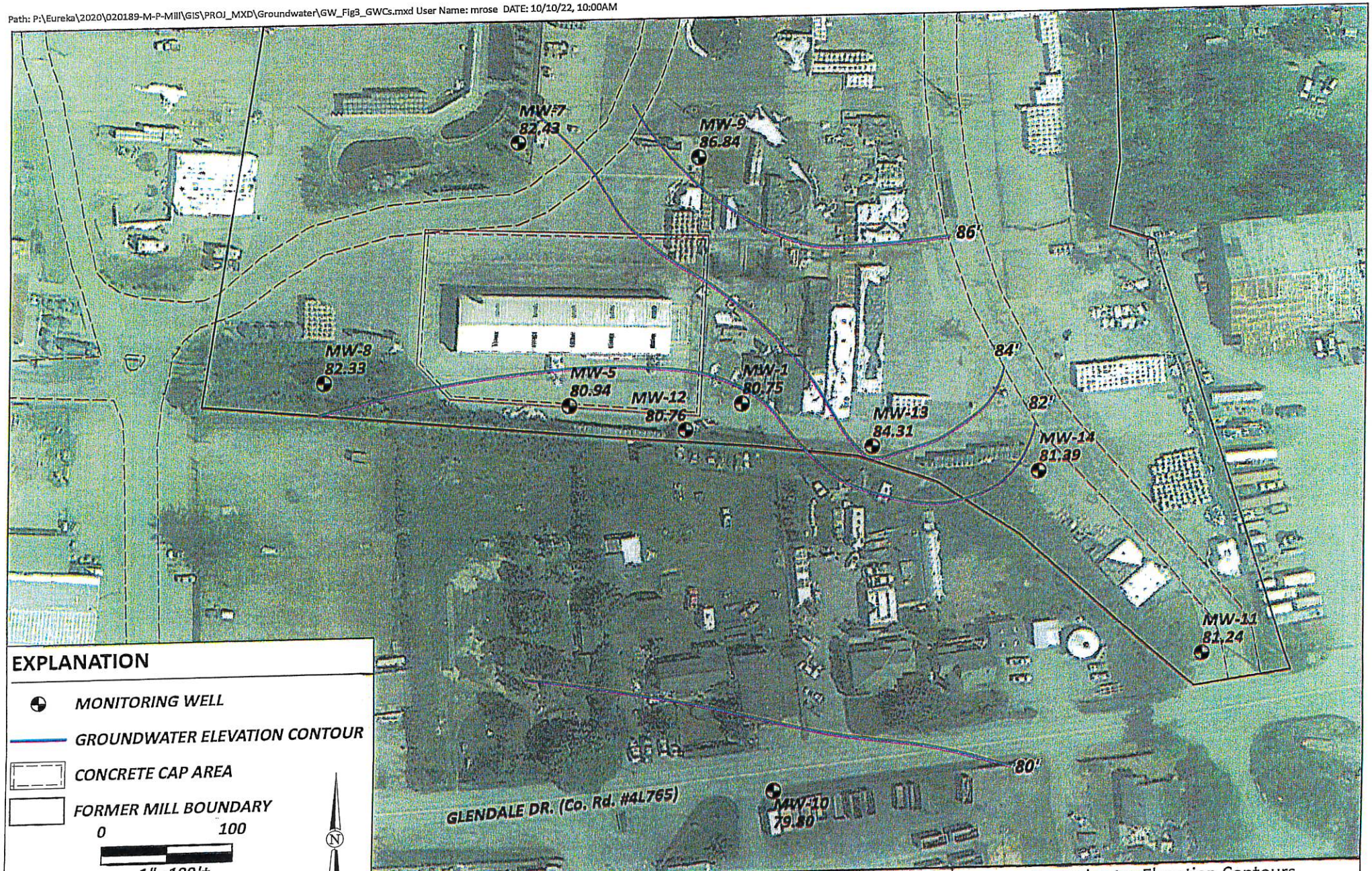


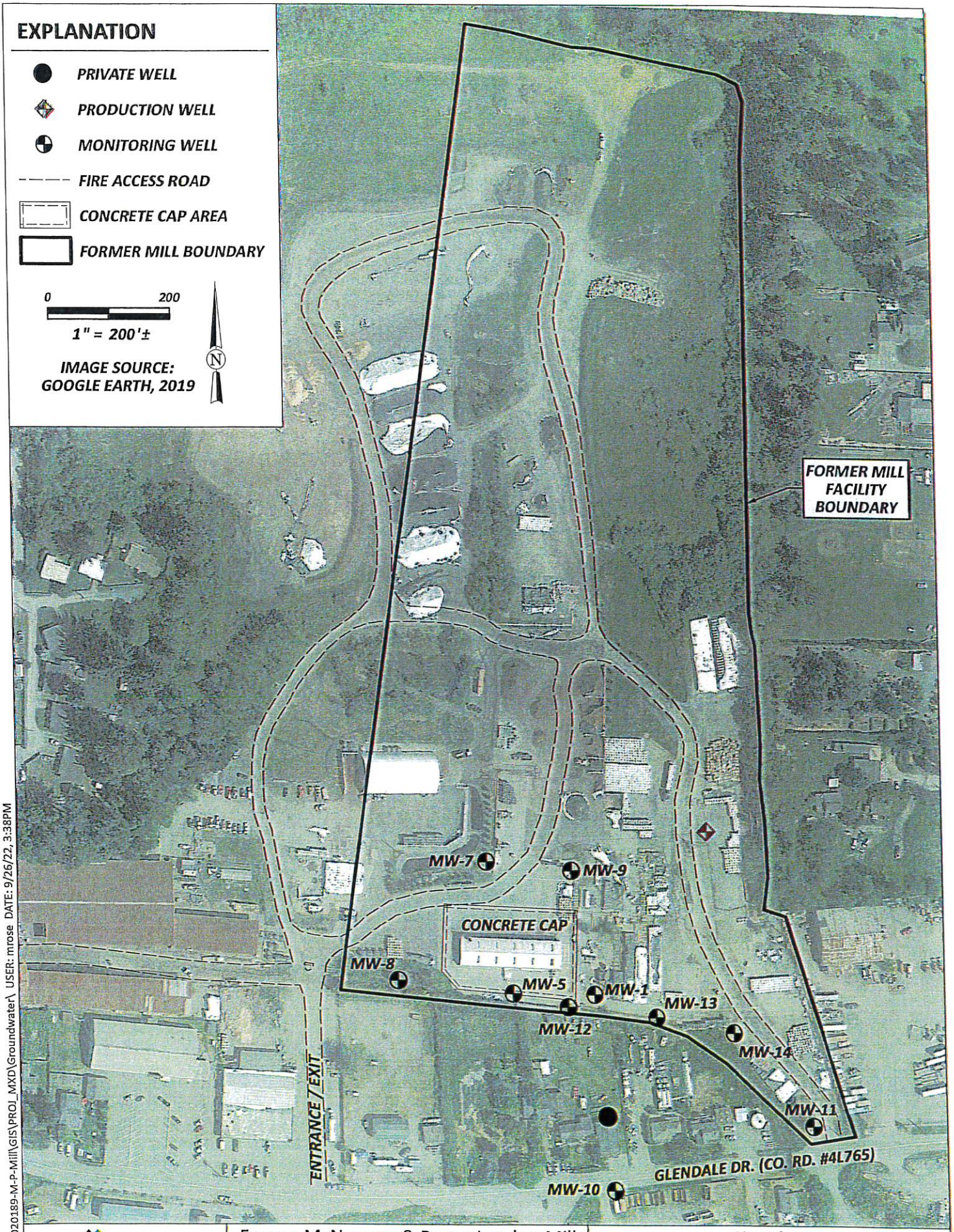
Image Source:
Google Earth, 2019

Former McNamara & Peepe Lumber Mill
Groundwater Monitoring
1619 Glendale Drive, Arcata, California

Groundwater Elevation Contours
August 23, 2022
SHN 020189.030

October 2022 | GW_Fig3_GWCs | Figure 3

SECTION 8.2.b PAGE NO. 8



Former McNamara & Peepe Lumber Mill
Groundwater Monitoring
1619 Glendale Drive, Arcata, California

Site Plan

SHN 020189.030

September 2022

GW_Fig2_SitePlan

Figure 2

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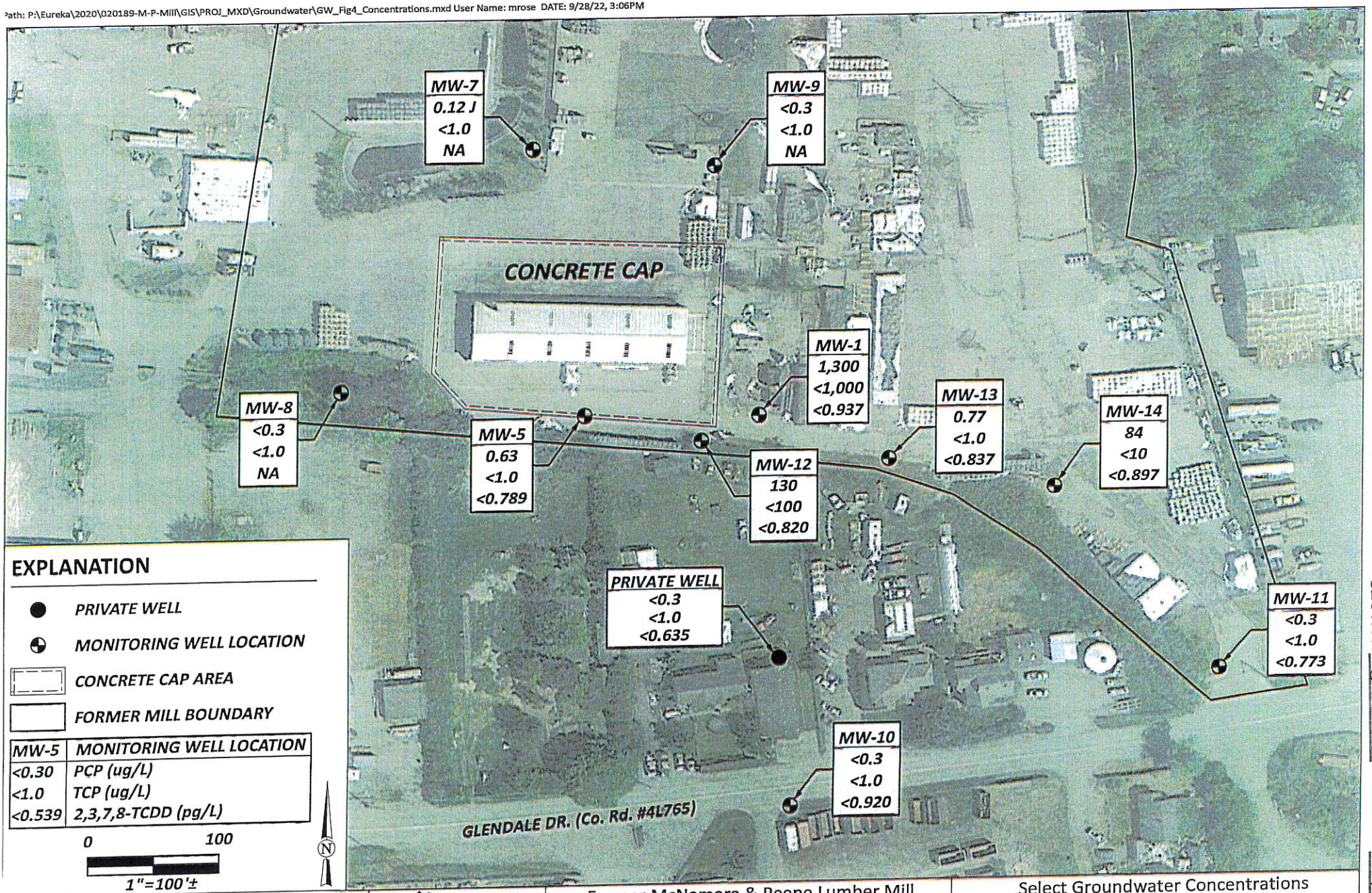

Image Source:
Google Earth, 2019

Former McNamara & Peepe Lumber Mill
Groundwater Monitoring
1619 Glendale Drive, Arcata, California

Select Groundwater Concentrations
August 23, 2022
SHN 020189.030

September 2022 | GW_Fig4_Concentrations | Figure 4

SECTION 8.2.b PAGE NO. 10

Table 2. Groundwater Analytical Results, August 23, 2022
Former McNamara and Peepe Lumber Mill, Arcata, California

Sample Location	2,3,7,8-TCDD[a] (pg/L)	2005 WHO TEQ[b] (pg/L)	PCP[c] (ug/L)[d]	TCP[c] (ug/L)
MW-1	<0.937[e]	34.0	**1,300[f]**	<1,000[g]
MW-5	<0.789	0.0104	**0.63**	<1.0
MW-7	NA[h]	NA	**0.12 J[i]**	<1.0
MW-8	NA	NA	<0.3	<1.0
MW-9	NA	NA	<0.3	<1.0
MW-10	<0.920	2.40	<0.3	<1.0
MW-11	<0.773	0.0669	<0.3	<1.0
MW-12	<0.820	0.00513	**130**	<100[g]
MW-13	<0.837	0.00408	**0.77**	<1.0
MW-14	<0.897	0.671	**84**	<10[g]
Dup (MW-10)	<0.956	2.11	<0.3	<1.0
Private Well	<0.635	0.0	<0.3	<1.0
MCL[j]	**30**	**NR[k]**	**1.0**	**NR**
PHGs[l]	**0.05**	**NR**	**0.3**	**NR**

[a] 2,3,7,8-TCDD: 2,3,7,8-Tetrachlorodibenzodioxin was analyzed in general accordance with EPA Method 8290
[b] 2005 WHO TEQ: 2005 World Health Organization's Toxic Equivalency Factor
[c] Pentachlorophenol (PCP) and 2,3,4,6-Tetrachlorophenol (TCP) were analyzed in general accordance with National Council for Air and Stream Improvement, Inc. Method 86.07.
[d] ug/L: micrograms per liter
[e] <: "less than" the stated method detection limit
[f] **Bold** values indicate an exceedance of the MCL or PHGs.
[g] Sample was diluted due to the level of target analytes present in the sample. The method reporting limit was raised to reflect the required dilution.
[h] NA: not analyzed
[i] J: Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value.
[j] MCL: maximum contaminant level, State Water Resources Control Board (March 13, 2019).
[k] NR: no reference
[l] PHGs: California public health goals, Office of Environmental Health Hazard Assessment (March 13, 2019).

Samples from monitoring wells MW-1, MW-12, and MW-14 were diluted by the testing laboratory (NCL) due to the level of target analytes present in the sample (PCP). As a result, the MDLs were raised to reflect the required dilution. Appendix 3 includes the complete analytical test results, chain-of-custody documentation, and laboratory quality control data.

4.3 Field Measured Parameters

Measurements for groundwater field parameters collected from site wells during the August 2022 sampling event are included in Table 3.

Table 2-3
Groundwater Analytical Results
2015 to 2023

Well Name	Date	PCP	TCP	Chromium	Hexavalent Chromium	Nitrate	Total Iron	Ferrous Iron	Arsenic	Sulfate	Chloride	TPHD	VOCs (DIPE)
	Units	µg/L				mg/L	µg/L			mg/L		µg/L	
MW-1	5/13/2015	590[a]	14	--	--	--	--	--	--	--	--	--	--
	5/13/2015 (FD)	560[a]	12	--	--	--	--	--	--	--	--	--	--
	11/11/2015	610[a]	120	--	--	--	--	--	--	--	--	--	--
	11/11/2015 (FD)	670[a]	120	--	--	--	--	--	--	--	--	--	--
	5/23/2016	830[a]	7.1	--	--	--	--	--	--	--	--	--	--
	5/23/2016 (FD)	1,100[a]	8	--	--	--	--	--	--	--	--	--	--
	12/14/2016	1.2[a]	<1.0	<5.0	<5.0	0.99	25	<100	<10	18	19	--	--
	12/14/2016 (FD)	1.2[a]	<1.0	--	--	--	--	--	--	--	--	--	--
	5/8/2017	570[a]	8.4	--	--	--	--	--	--	--	--	--	--
	5/8/2017 (FD)	530a	7.9	--	--	--	--	--	--	--	--	--	--
	8/21/2019	1,200[a]	29	--	<1.0	--	--	--	--	--	--	740 Aj	1.7
	3/5/2021	460[a]	5.6	--	--	--	--	--	--	--	--	--	--
	2/22/2022	920[a]	9.7	--	--	--	--	--	--	--	--	--	--
	8/23/2022	1300[a]	<1,000 B9	--	--	--	--	--	--	--	--	--	--
	2/22/2023	0.34[a]	<1.0	--	--	--	--	--	--	--	--	--	--
MW-5	5/13/2015	35[a]	4.3	--	--	--	--	--	--	--	--	--	--
	11/11/2015	65[a]	3.3	--	--	--	--	--	--	--	--	--	--
	5/23/2016	56[a]	1.6	--	--	--	--	--	--	--	--	--	--
	12/14/2016	39[a]	2.3	<5.0	<5.0	<0.10	330	600	<10	12	45	--	--
	5/8/2017	46[a]	2.3	--	--	--	--	--	--	--	--	--	--
	8/21/2019	--	--	--	--	--	--	--	--	--	--	--	--
	3/5/2021	18	<1.0	--	--	--	--	--	--	--	--	--	--
	2/22/2022	19	1.1	--	--	--	--	--	--	--	--	--	--
	8/23/2022	0.63	<1.0	--	--	--	--	--	--	--	--	--	--
	2/22/2023	9.5[a]	0.65 J	--	--	--	--	--	--	--	--	--	--
MW-7	5/13/2015	0.39	<1.0	--	--	--	--	--	--	--	--	--	--
	11/11/2015	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	5/23/2016	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	12/14/2016	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	5/8/2017	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	8/21/2019	<0.3	<1.0	--	<1.0	--	--	--	--	--	--	<50	<0.5
	3/5/2021	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	2/22/2022	0.26 J	<1.0	--	--	--	--	--	--	--	--	--	--
	8/23/2022	0.12 J	<1.0	--	--	--	--	--	--	--	--	--	--
	2/22/2023	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
MW-8	5/13/2015	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	11/11/2015	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	5/23/2016	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	12/14/2016	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	5/8/2017	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	8/21/2019	<0.3	<1.0	--	--	--	--	--	--	--	--	--	<0.5
	3/5/2021	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	2/22/2022	0.13 J	<1.0	--	--	--	--	--	--	--	--	--	--
	8/23/2022	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	2/22/2023	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
MW-9	5/13/2015	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	11/11/2015	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	5/23/2016	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	12/14/2016	<0.3	<1.0	<5.0	<5.0	1.1	<15	<100	--	1.9	10	--	--
	5/8/2017	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	8/21/2019	<0.3	<1.0	--	--	--	--	--	--	--	--	--	<0.5
	3/5/2021	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	2/22/2022	0.21 J	<1.0	--	--	--	--	--	--	--	--	--	--
	8/23/2022	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	2/22/2023	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
MW-10	5/13/2015	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	11/11/2015	<0.6	<2.0	--	--	--	--	--	--	--	--	--	--
	5/23/2016	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	12/14/2016	<0.3	<1.0	<5.0	<5.0	0.11	58	<100	<10	1.5	0.96	--	--
	5/8/2017	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	8/21/2019	<0.3	<1.0	--	<1.0	--	--	--	--	--	--	280 Aj	<0.5
	8/21/2019 (FD)	<0.3	<1.0	--	<1.0	--	--	--	--	--	--	210 Aj	<0.5
	3/5/2021	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	3/5/2021 (FD)	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	2/22/2022	0.12 J	<1.0	--	--	--	--	--	--	--	--	--	--
	2/22/2022 (FD)	0.26 J	<1.0	--	--	--	--	--	--	--	--	--	--
	8/23/2022	<0.3	<1.0										
	8/23/2022 (FD)	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	2/22/2023	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	2/22/2023 (FD)	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
MW-11	5/13/2015	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	11/11/2015	0.67	<1.0	--	--	--	--	--	--	--	--	--	--
	5/23/2016	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	12/14/2016	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	5/8/2017	1.9[a]	<1.0	--	--	--	--	--	--	--	--	--	--
	8/21/2019	<0.3	<1.0	--	--	--	--	--	--	--	--	--	<0.5
	3/5/2021	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	2/22/2022	0.14 J	<1.0	--	--	--	--	--	--	--	--	--	--
	8/23/2022	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
	2/22/2023	<0.3	<1.0	--	--	--	--	--	--	--	--	--	--
MW-12	5/13/2015	52[a]	<1.0	--	--	--	--	--	--	--	--	--	--
	11/11/2015	51[a]	<1.0	--	--	--	--	--	--	--	--	--	--
	5/23/2016	120[a]	<1.0	--	--	--	--	--	--	--	--	--	--
	12/14/2016	46[a]	<1.0	<5.0	<5.0	0.13	<15	<100	<10	9.4	28	--	--
	5/8/2017	81[a]	<1.0	--	--	--	--	--	--	--	--	--	--
	8/21/2019	110[a]	1.7	--	--	--	--	--	--	--	--	--	--
	3/5/2021	120[a]	<1.0	--	--	--	--	--	--	--	--	--	--
	2/22/2022	120[a]	0.49 J	--	--	--	--	--	--	--	--	--	--
	8/23/2022	130[a]	<100 B9	--	--	--	--	--	--	--	--	--	--
	2/22/2023	9.4[a]	0.61 J	--	--	--	--	--	--	--	--	--	--
MW-13	2/22/2022	0.27 J	<1.0	--	--	--	--	--	--	--	--	--	--
	8/23/2022	0.77	<1.0	--	--	--	--	--	--	--	--	--	--
	2/22/2023	0.17 J	<1.0	--	--	--	--	--	--	--	--	--	--
MW-14	2/22/2022	85[a]	1.7	--	--	--	--	--	--	--	--	--	--
	8/23/2022	84[a]	<10 B9	--	--	--	--	--	--	--	--	--	--
	2/22/2023	48[a]	<1.0	--	--	--	--	--	--	--	--	--	--

Table 2-4
Dioxin Analytical Results
McNamara and Peepe Lumber Mill

Well Name	Date	2,3,7,8-TCDD	1,2,3,4,6,7,8-HpCDD	Total HpCDD	1,2,3,4,6,7,8-HpCDF	1,2,3,4,7,8,9-HpCDF	Total HpCDF	1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD	1,2,3,7,8,9-HxCDD	Total HxCDD	1,2,3,6,7,8-HxCDF	1,2,3,7,8,9-HxCDF	2,3,4,6,7,8-HxCDF	Total HxCDF	OCDD	OCDF	1,2,3,7,8-PeCDD	Total PeCDD	1,2,3,7,8-PeCDF	2,3,4,7,8-PeCDF	Total PeCDF	2,3,7,8-TCDF	Total TCDF	TEQ
	CA MCL	30 pg/L												N/A											
	CA PHG	0.05 pg/L												N/A											
MW-1	10/18/2010	0	180	330	44 J		200								32	1700	–								2.8
	11/3/2011	<10	110 J	200	27 J		130								32	1100 J	–								4.67 J
	11/3/2011 (FD)	<10	110 J	200	28 J		130								37	1000 J	–								4.38 J
	8/21/2019	0	520	970	100	6 J	550	2.2 J	22 J	ND	75	ND			73	5500*	340								31
	3/5/2021	<0.941	3760	7010	975	63.8	4350	8.11 J	166	12.3 J	623	103	5.82 J	17.4 J	4310 D,M	39,300	2910	<1.52	122	14.8 J	<1.20	474 D,M	<0.690	103 D,M	93.6
	2/22/2022	<0.727	1,690	3,200	339	339	1,710	4.25 J	70	5.91 J	260	<2.11	<2.90	<2.06	2,060 D,M	17,000	1,150	<1.35	.44	8.84 J	<1.48	246 D,M	<0.717	69.9 D,M	34.2
	8/23/2022	<0.937	1,630	3,110	341	25.1 J	1,730	5.14 J	64.3	5.01 J	254	<2.03	<2.53	9.55 J	2,030 D,M	17,400	1,230	<1.40	23.6 J	<2.01	<1.96	275 D,M	<0.919	73.6 D,M	34
	2/22/2023	<0.767	9,790	18,600	1,770	<5.08	10,500	<3.98	289	26.9	1,070	<6.00	<5.72	8.63 J	1,570	135,000 D	7,660	<3.33	56.4	<4.77	3.98 J	60.0	<0.908	6.91	194
MW-5	10/18/2010	0	0	0	0		0								0	180	–								0.054
	10/18/2010 (FD)	0	0	0	0		0								0	160	–								0.048
	11/3/2011	<9.9	<3.4 UJ	<8.0 U	<1.2 UJ		<2.6 U								<3.1 U	37 J	–								0.573 U
	3/5/2021	<0.622	3.04 J	5.56 J	<1.34	<1.91	<1.91	<1.19	<1.27	<1.21	<1.27	<1.10	<1.51	<1.12	<1.51	19.1 J	<2.57	<0.935	<0.935	<0.852	<0.817	<0.852	<0.600	<0.600	0.0361
	2/22/2022	<0.696	2.75 J	6.52 J	<1.64	<2.09	<2.09	<1.49	<1.60	<1.42	<1.60	<1.19	<1.65	<1.17	<1.65	19.5 J	<2.20	<1.69	<1.69	<1.36	<1.17	<1.37	<0.770	<0.770	0.0334
	8/23/2022	<0.789	<5.03	<5.03	<1.30	<1.85	<1.85	<1.24	<1.30	<1.19	<1.30	<0.971	<1.38	<0.946	<1.38	34.6 J	<3.11	<0.930	<0.930	<0.590	<0.622	<0.622	<0.547	1.37 J	0.0104
	2/22/2023	<0.433	<2.35	<2.35	<3.77	<3.81	<3.81	<1.22	<1.43	<1.45	<1.45	<0.688	<1.03	<0.796	<1.03	<15.6	<1.41	<0.726	<0.726	<0.511	<0.452	<0.511	<0.293	<0.202	0.00
MW-10	10/18/2010	0	0	0	0		0								0	0	–								0
	8/21/2019	0	4.6 J	4.6 J	<52	<52	<52	<52				ND		35 J*	<52	<100	<100								0.1
	8/21/2019 (FD)	0	11 J*	19 J*	3.6 J*	8.1 J	18 J*	2.4 J*	0.92 J*	0.85 J*	6.8 J*	1.3 J*	13 J*	64 J*	<55	<110	<110	0.64 J*	2.4 J*	0.53 J*	6.6 J*	0.45 J*	0.43 J*	0.43 J*	3.7
	3/5/2021	<0.539	3.86 J	7.26 J	<1.39	<1.72	<1.72	<1.11	<1.15	<1.11	<1.15	<1.24	<1.56	<1.26	<1.56	17.3 J	<2.61	<0.824	<0.824	<0.976	<0.951	<0.976	<0.731	<0.731	0.0438
	2/22/2022	<0.652	50.8	92.3	12.5 J	<1.37	33.1	<1.64	3.42 J	2.64 J	18.2 J	<1.25	<1.75	<1.23	27.1 D,M	347	38.7 J	<1.20	<1.20	<0.989	<0.961	10.9 J	<0.652	4.28 J	1.35
	2/22/2022 (FD)	<0.658	30.4	55.0	8.11 J	<1.18	20.7 J	<1.94	<1.32	<1.73	7.70 J	<1.47	<1.99	<1.42	16.9 D,J,M	221	24.7 J	<1.35	<1.35	<0.898	<0.873	5.86 J	<0.743	3.01 J	0.459
	8/23/2022	<0.920	73.7	134	19.8 J	<2.07	54.1	4.00 J	4.45 J	4.48 J	30.3	<1.09	<1.47	<1.31	39.7 D,M	520	62.4	<2.07	<2.07	<0.968	<0.949	18.7 D,J,M	0.883	10.1 D,M	2.40
	8/23/2022 (FD)	<0.956	59.5	108.0	18.0 J	<1.75	44.2	4.15 J	4.08 J	3.79 J	26.0 J	<1.36	<1.75	<1.49	38.9 D,J,M	398	49.5 J	<1.89	<1.89	<0.926	<0.920	16.3 D,J,M	<0.883	12.5 D,M	2.11
	2/22/2023	<0.619	82.9	147	17.8 J	<5.76	50.6	2.3	4.23	3.77	15.9	<1.57	<2.27	<1.77	18.5	592	62.2	<5.37	<1.30	<0.914	<0.805	5.31	<0.500	<0.500	2.23
	2/22/2023 (FD)	<0.660	92.1	165.0	21.8 J	<5.07	21.8	2.47 J	4.82 J	5.67 J	34.5	<1.37	<1.92	<1.58	10.9	729	69.5	1.35 J	1.35	<0.840	<0.743	<8.82	<0.529	<0.665	4.02
MW-11	10/18/2010	0	0	0	0		0								0	0	--								0
	2/22/2022	0.983	7.05 J	13.5 J	<1.85	<2.24	<2.24	<1.96	<1.94	<1.79	<1.96	<1.27	<1.78	<1.27	3.97 J	33.2 J	3.15	<1.77	<1.77	<1.53	<1.52	4.81 J	<0.946	5.17	0.0805
	8/23/2022	<0.773	5.92 J	11.8 J	<0.942	<1.39	11.6 J	<2.09	<2.19	<2.00	<2.19	<1.06	<1.34	<1.13	3.66 D,J,M	25.5 J	<3.85	<1.17	<1.17	<0.601	<0.622	3.50 D,J,M	<0.755	8.46 D,M	0.0669
	2/22/2023	<0.621	2.28 J	3.96	<0.969	<0.989	<0.989	<1.07	<1.33	<1.29	<1.33	<0.691	<0.964	<0.806	<0.964	19.3 J	<10.8	<0.840	<0.840	<0.636	<0.549	<0.636	<0.451	<0.451	0.0286
MW-12	3/5/2021	<0.542	2.37 J	6.27 J	<1.63	<2.15	<2.15	<1.52	<1.55	<1.51	<1.55	<1.39	<1.89	<1.39	<1.89	15.5 J	<2.42	<0.976	<0.976	<0.882	<0.828	<0.882	<0.717	<0.717	<0.0284
	2/22/2022	<0.656	2.78 J	6.36 J	<1.31	<1.70	<1.70	<2.07	<2.19	<1.96	<2.19	<0.859	<1.21	<0.857	1.99 J	19.8 J	<2.82	<1.24	<1.24	<1.33	<1.32	<1.33	<0.675	<0.675	0.0337
	8/23/2022	<0.820	<2.69	<2.69	<0.851	<1.23	<1.23	<1.56	<1.55	<1.46	<1.56	<1.20	<1.62	<1.18	<1.62	17.1 J	<2.05	<0.969	<0.969	<0.718	<0.761	<0.761	<0.818	<0.818	0.00513
	2/22/2023	<0.448	3.12 J	3.12	<1.92	<1.99	<1.99	<1.48	<1.65	<1.73	<1.73	<1.47	<2.14	<1.63	<2.14	<15.6	<3.63	<0.860	<0.860	<0.527	<0.451	<0.527	<0.278	<0.278	0.0312
MW-13	2/22/2022	<0.677	<1.83	<1.83	<1.23	<1.69	<1.69	<1.38	<1.45	<1.40	<1.45	<0.855	<1.19	<0.850	<1.19	13.3 J	<1.90	<0.928	<0.928	<0.866	<0.822	<0.866	<0.767	<0.767	0.00399

SECTION 8.2.b PAGE NO. 13

NEW BUSINESS

California Special Districts Association
CSDA
Districts Stronger Together

Agenda Item:	**4 - Establish 2024 Board Elections Timeline**
Item Type:	**Discussion/Action**
Submitted By:	**Amber Phelen, Management Analyst**
Presented By:	**Neil McCormick, Chief Executive Officer**
Strategic Plan Reference:	**1. Association Governance;** **7. Management/Administration**

BACKGROUND:
The nomination process for the 2024 CSDA Board of Directors, Seat A election is quickly approaching. CSDA Bylaws direct that the Election & Bylaws Committee shall set the timeline for elections each year. Below is a staff recommended timeline for the nomination and election process that complies with the noticing periods outlined in the CSDA bylaws. The timeline works backwards from the CSDA Annual Conference start date which is September 9, 2024 this year.

February 5	**Nomination applications mailed and emailed out** 125 days to election start on June 9; bylaws requirement = at least 120 days.
April 10	**Nomination application deadline** 61 days to election start; bylaws requirement = at least 60 days prior to election.
April 20	**Nomination application deadline – Coastal Network** Per CSDA Bylaws, the deadline shall be extended by 10 days in a Network where there is no incumbent re-running.
June 10	**Electronic ballot voting begins – current Regular Members**
July 26	**Deadline to receive electronic ballots - current Regular Members** 45 days until conference; bylaws requirement = at least 45 days.
July 29 or 30	**Count ballots and inform candidates of win/loss**

FISCAL IMPACT:
None at this time.

STAFF RECOMMENDATION:
Staff recommends a motion to approve the 2024 CSDA Board of Directors, Seat A regular election timeline as presented.

California Special
Districts Association
CSDA
Districts Stronger Together

Agenda Item:	**5 – Review & Approve 2024 Election Materials**
Item Type:	**Discussion/Action**
Submitted By:	**Amber Phelen, Management Analyst**
Presented By:	**Neil McCormick, Chief Executive Officer**
Strategic Plan Reference:	**1. Association Governance;** **7. Management/Administration**

BACKGROUND:
Attached is a draft of the nomination letter, form, and candidate information sheet which would be sent out to CSDA voting members in good standing for all six Networks as part of the 2024 CSDA Board of Directors, Seat A election.

Additionally, the background information that will be mailed with the ballots is included. A current list of Board Members and their terms are also attached. Seat A Board Members are up for re-election.

FISCAL IMPACT:
The annual CSDA Board election process is a 2024 budgeted item.

STAFF RECOMMENDATION:
Staff recommends a motion to approve the 2024 CSDA Board of Directors, Seat A election nomination letter, nomination form, candidate information sheet, and ballot letter to be sent to all voting Regular CSDA Members in good standing.

California Special Districts Association
Districts Stronger Together

DATE: February 5, 2024

TO: CSDA Voting Member Presidents and General Managers

FROM: CSDA Elections and Bylaws Committee

SUBJECT: **CSDA BOARD OF DIRECTORS CALL FOR NOMINATIONS SEAT A**

The Elections and Bylaws Committee is looking for Independent Special District Board Members or their General Managers who are interested in leading the direction of the California Special Districts Association for the 2025 - 2027 term.

The leadership of CSDA is elected from its six geographical networks. Each of the six networks has three seats on the Board with staggered 3-year terms. Candidates must be affiliated with an independent special district that is a CSDA Regular Member in good standing and located within the geographic network that they seek to represent.
(See attached CSDA Network Map)

The CSDA Board of Directors is the governing body responsible for all policy decisions related to CSDA's member services, legislative advocacy, professional development, and other resources for members. The Board of Directors is crucial to the operation of the Association and to the representation of the common interests of all California's special districts before the Legislature and the State Administration. Serving on the Board requires one's interest in the issues confronting special districts statewide.

Commitment and Expectations:

- Attend all Board meetings, usually 4-5 meetings annually, at the CSDA office in Sacramento.
- Participate on at least one committee, meets 3-5 times a year at the CSDA office in Sacramento.
  (CSDA reimburses Directors for their related expenses for Board and committee meetings as outlined in Board policy).
- Attend, at minimum, the following CSDA annual events: Special Districts Legislative Days - held in the spring, and the CSDA Annual Conference - held in the fall.
  *(CSDA does **not** reimburse expenses for the two conferences even if a Board or committee meeting is held in conjunction with the event)*
- Complete all four modules of CSDA's Special District Leadership Academy within 2 years of being elected.
  *(CSDA does **not** reimburse expenses for the Academy classes even if a Board or committee meeting is held in conjunction with the event).*

Nomination Procedures: Any Regular Member district in good standing is eligible to nominate one person, a board member or managerial employee (as defined by that district's Board of Directors), for election to the CSDA Board of Directors. **A copy of the member district's resolution or minute action and Candidate Information Sheet must accompany the nomination. The deadline for receiving nominations is April 10, 2024. Nominations and supporting documentation may be mailed or emailed.**

Mail: 1112 I Street, Suite 200, Sacramento, CA 95814
Fax: 916.442.7889
E-mail: amberp@csda.net

Once received, nominees will receive a candidate's letter. The letter will serve as confirmation that CSDA has received the nomination and will also include campaign guidelines.

CSDA will begin electronic voting on June 10, 2024. All votes must be received through the system no later than 5:00 p.m. July 26, 2024. The successful candidates will be notified no later than July 30, 2024. All selected Board Members will be introduced at the Annual Conference in Indian Wells, CA in September 2024.

Expiring Terms
(See enclosed map for Network breakdown)

Northern Network	Seat A – Greg Orsini, Director, McKinleyville Community Services District*
Sierra Network	Seat A – Noelle Mattock, El Dorado Hills Community Services District*
Bay Area Network	Seat A – Chad Davisson, General Manager, Ironhouse Sanitary District*
Central Network	Seat A – Patrick Ostly, General Manager, North of River Sanitary District*
Coastal Network	Seat A – Elaine Magner, Director, Pleasant Valley Recreation & Park District*
Southern Network	Seat A – Jo MacKenzie, Director, Vista Irrigation District*

(* = Incumbent is running for re-election)

CSDA will be using a web-based online voting system allowing your district to cast your vote easily and securely. *Electronic Ballots will be emailed to the main contact in your district June 10, 2024.* All votes must be received through the system no later than 5:00 p.m. July 26, 2024.

Districts can opt to cast a paper ballot instead; but you must contact Amber Phelen by e-mail amberp@csda.net ***by April 10, 2024*** *in order to ensure that you will receive a paper ballot on time.*

CSDA will mail paper ballots on June 10, 2024 per district request only.

If you have any questions, please contact Amber Phelen at amberp@csda.net.

California Special
Districts Association
Districts Stronger Together

2024 BOARD OF DIRECTORS NOMINATION FORM

Name of Candidate: _____

District: _____

Mailing Address: _____

_____

Network: _____ **(see map)**

Telephone: _____
(PLEASE BE SURE THE PHONE NUMBER IS ONE WHERE WE CAN REACH THE CANDIDATE)

Fax: _____

E-mail: _____

Nominated by (optional): _____

Return this form, a Board resolution/minute action supporting the candidate, and Candidate Information Sheet by mail or email to:

CSDA
Attn: Amber Phelen
1112 I Street, Suite 200
Sacramento, CA 95814
(877) 924-2732

amberp@csda.net

DEADLINE FOR RECEIVING NOMINATIONS:

April 10, 2024 at 5:00 p.m.

California Special
Districts Association
Districts Stronger Together

2024 CSDA BOARD CANDIDATE INFORMATION SHEET

The following information MUST accompany your nomination form and Resolution/minute order:

Name: _____

District/Company: _____

Title: _____

Elected/Appointed/Staff: _____

Length of Service with District: _____

1. **Do you have current involvement with CSDA (such as committees, events, workshops, conferences, Governance Academy, etc.):**

_____

_____

2. **Have you ever been associated with any other state-wide associations (CSAC, ACWA, League, etc.):**

_____

_____

3. **List local government involvement (such as LAFCo, Association of Governments, etc.):**

_____

_____

4. **List civic organization involvement:**

_____

_____

****Candidate Statement – Although it is not required, each candidate is requested to submit a candidate statement of no more than 300 words in length. Any statements received in the CSDA office after the nomination deadlines will not be included with the ballot.**

California Special Districts Association

DISTRICT NETWORKS

HUMBOLDT BAY MUNICIPAL WATER DISTRICT

828 Seventh Street • Eureka, California 95501-1114
PO Box 95 • Eureka, California 95502-0095
Office 707-443-5018 Essex 707-822-2918
Fax 707-443-5731 707-822-8245
EMAIL OFFICE@HBMWD.COM
Website: www.hbmwd.com

2/16/2024

Dear distribution list,

Invitation to submit a Request for Qualification (RFQ) for Reservoirs Seismic Retrofit Project (3 tanks)

Humboldt Bay Municipal Water District (District) is inviting statements of Qualifications (SOQ) to be considered for selection by the District to perform bid period assistance and construction management services for the District's Reservoirs Seismic Retrofit Project. The District sent out a previous invitation January 3, 2024, with no responses.

The deadline for submittal is March 14, 2024 (3:00 pm PST).

Revised consultant selection schedule

Issue ***Table 1 Consultant selection schedule*** RFQ	January 4, 2024
Deadline to submit questions	~~January 26, 2024~~ (5:00 pm PST)
Deadline for addenda to be issued	~~February 1, 2024~~
Deadline to submit SOQ	~~February 8, 2024~~ (3:00 pm PST) No response received
Issue second RFQ Selection	February 16
Deadline to submit SOQ	**March 14, 2024 (3:00 pm PST)**
Selection committee review	March 15 to 19, 2024
Notify apparent most qualified consultant	March 19, 2024
Selected consultant submits scope of work and fee	March 27, 2024
District Board approves contract	March 28, 2024
Execute consultant contract	March 29, 2024

REVISED

Please do not hesitate to contact General Manager John Friedenbach with any questions. friedenbach@hbmwd.com or (707) 443-5018.

John Friedenbach
General Manager

Humboldt Bay Municipal Water District

To: Board of Directors

From: John Friedenbach

Date: March 14, 2024

Re: Sponsorship for the 29th annual Ruth Lake Summer Festival

Discussion

The District has had a long standing relationship with Humboldt Trinity Recreation Alliance (HTRA), Southern Trinity Volunteer Fire Department (STVFD), and Southern Trinity Area Rescue (STAR). HTRA is holding their 29th annual Ruth Lake Summer Festival August 31, and September 1, 2024. They are requesting support, whether monetary or business products to be raffled during the festival. 100% of proceeds will go directly to supporting STAR.

HBMWD understands the importance of the service STAR provide our staff who work at the dam and around Ruth Lake, and the value in keeping them funded. Last July the Board approved donating $1000 to STAR after they lost long-term state and federal funding.

Recommendation and Action

Staff recommends a donation of $500.00 to HTRA to continue providing funding and support to STVFD, STAR, and HTRA.

Humboldt Trinity
Recreation Alliance
A 501(c)3 Public Benefit Corporation

17350 Mad River Road · Mad River, CA 95552

February 19, 2024

Dear Business Owners; ID number: 68-0407486

We are inviting you to be a Sponsor for the 29th Annual Ruth Lake Summer Festival. It will be held at the Ruth Lake Campground on August 31st and September 1st, 2024.

Your continued contribution to this event enables Humboldt Trinity Recreation Alliance (HTRA) to continue providing funding to the Southern Trinity Volunteer Fire Department (STVFD), the Southern Trinity Area Rescue (STAR), our ground ambulance service as well as the Zenia / Kettenpom Volunteer Fire Department.

Our Ruth Safety Fire Station Center now houses fire trucks and fire equipment as well as STAR's ambulance and is temporality used for Food for People to store and distribute commodities for our local low-income residents. This site is readily accessible and available for Community events. Community members and volunteers, as well as fire personnel have spent unaccountable hours working on these sites and your generosity support will help us reach our goals.

All donations are welcome, whether monetary or business products. All product donations will be raffled off during the festival and 100% of the proceeds will go directly to supporting the Volunteer Fire Departments and STAR volunteer rescue service. All donated products will be picked up in person by myself or the Vice President of HTRA Ben Reed before the festival during business hours.

Again, your donations are appreciated and let me take this opportunity to thank you in advance and should you have any questions feel free to contact me on (707) 382-5176 or email me at patsylewis54@gmail.com.

With Sincere Appreciation,

Patricia Lewis

HTRA Treasurer

ENGINEERING

HUMBOLDT BAY MUNICIPAL WATER DISTRICT
828 Seventh Street • Eureka, California 95501-1114
PO Box 95 • Eureka, California 95502-0095
Office 707-443-5018 Essex 707-822-2918
Fax 707-443-5731 707-822-8245
EMAIL OFFICE@HBMWD.COM
Website: www.hbmwd.com

March 7, 2024

Mr. Miles Slattery
City Manager
City of Eureka
531 K Street
Eureka, CA 95501

RE: Eureka Unit Restoration Collaboration

Dear Miles,

We are writing to inquire about the status of the implementation of the Eureka Unit Restoration and Interim Management Plan prepared by Andrea Pickart dated September 1993. This site is 80 acres and located south of the Samoa Airfield. Specifically, we are wondering if this City of Eureka owned site might be available to perform anticipated mitigation by HBMWD for our Samoa Peninsula Waterline Right-of-Way Maintenance Project. Our NOP for this project is available on our website here: https://www.hbmwd.com/files/4df2a4a2c/Notice+of+Preparation_HBMWD_PublicCirc_10.20.23.pdf

It details the extent of the project and identified environmentally sensitive areas that may require mitigation. We are seeking out partners who have suitable dune habitat that would benefit from our mitigation efforts. We are looking to identify these areas and partners in our Environmental Impact Report.

Kindly contact me to discuss our request.

Respectfully,

John Friedenbach
General Manager

Cc: Brian Gerving
Kerry McNamee, GHD

HUMBOLDT BAY MUNICIPAL WATER DISTRICT

828 Seventh Street • Eureka, California 95501-1114
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Fax 707-443-5731 707-822-8245
EMAIL OFFICE@HBMWD.COM
Website: www.hbmwd.com

March 07, 2024

Mr. Ed Edsten, Hazard Mitigation Grants Specialist
California Office of Emergency Services
3650 Schriever Avenue
Mather, CA 95655-4203
VIA Email: edward.edsten@caloes.ca.gov

Re: HMGP DR-4344-40-10R
Cal OES PJ0040, Reservoirs Seismic Retrofit
Deadline Extension Request for Phase Two Project Completion Date
Subrecipient: Humboldt Bay Municipal Water District, FIPS #023-91000

Dear Ed,

The Humboldt Bay Municipal Water District (HBMWD or District) respectfully requests an extension of time for the completion of Phase Two of the Reservoirs Seismic Retrofit Project from March 30, 2025 to March 30, 2026 for the reasons outlined below.

1. **Verification that progress has been made as described in quarterly reports**

As detailed in the quarterly reports submitted thus far for the project, the following items of work have been completed during Phase Two:

- The District contracted with GHD for the final engineering design, the engineering consultant that was previously selected for engineering design for the project as the result of a competitive, qualifications-based process. The contracting effort included time for the development of the Phase Two scope of services, contract negotiation, preparation of a contract, and board approval of the contract.
- GHD has made significant progress on the final engineering design plans and specifications, and a final design submittal is anticipated in early April 2024.
- The District prepared and advertised a request for qualifications (RFQ) for construction management (CM) services.

2. **Reason for extension**

Construction for the seismic retrofit of the three tanks will include new anchorage around the bottom steel ring of each tank, new roofs and associated column supports for two of the tanks, and other work to make the tanks and connecting infrastructure more resilient to seismic events. The following is the general sequence of events that will need to occur for construction:

i. The construction project is advertised for bid.

ii. Bids are evaluated, and the contractor with the lowest bid that is responsive to the requirements in the bid documents is awarded the project.

iii. Contracting with the selected contractor occurs.

iv. The contractor prepares submittals for the construction materials and roof designs, which will then be reviewed by the engineer.

v. The contractor orders materials after submittals are approved. There are large steel components that will need to be fabricated, which is expected to take months after submittals are approved based on discussions with suppliers.

vi. Construction begins after materials are delivered to the project sites.

vii. The tanks are all painted after all other construction work is completed.

The last step for construction, painting the tanks, is a key component of the work that will play a significant role in promoting the longevity of the tanks, and it must be completed properly under the precise environmental conditions. Proper coating will be critical for all the tanks and will be of particular importance for the Samoa tank, which is on the coastline and is subject to a harsh marine environment. Ambient conditions, including temperature and relative humidity, are required to be within specific ranges to allow for proper surface preparation, application, and bonding of the coatings. The typical timeframe during which these ambient weather conditions are likely to be met is narrow for the region due to coastal fog, high relative humidity, and a significant rainy season.

The optimal time for tank coating in the region tends to begin during August and may extend into October. The surface preparation and coating are estimated to take at least two months to perform and could potentially take longer, so it is essential that all other construction on the tanks is complete prior to August to ensure that the full coating window is available.

Step (i) in the list above (advertising construction bids) cannot occur until there is a CM consultant under contract for the project. As noted in Section 1 of this letter, the District prepared and advertised a request for qualifications (RFQ) for construction management services. The RFQ was originally advertised on January 4, 2024 with a response deadline of February 8, 2024. HBMWD received zero responses to the initial solicitation and has since discussed with Cal OES staff and re-advertised the RFQ. The new deadline for responses is March 14, 2024.

If any statements of qualifications (SOQs) are received in response to the second solicitation, the SOQs will need to be evaluated and scored, which may include an interview process for top candidates. After a consultant is selected, HBMWD will enter contract negotiation with that consultant. If an agreement is not able to be reached, HBMWD will enter negotiation with the next highest ranked candidate, and so on. After the selected consultant provides what HBMWD staff deem to be an acceptable proposal, the contract must go to the HBMWD board for approval. Given the time that this process can take, it is expected that a contract will be brought to the board for approval at the District's May 16, 2024 board meeting. The CM consultant will then require time to become familiar with the design plans and specifications prior to releasing the project for bid, meaning that early June 2024 is likely the earliest that the project would be able to be advertised for construction bids. Steps (i) through (v) would then need to occur before construction could begin. Due to the lead time required for submittals and materials, construction likely would not begin in earnest until approximately the end of September 2024. Due to the critical environmental conditions required for painting and short timeframe where painting can occur as discussed above, in addition to the difficulties with performing this type of tank construction in the rain, it would not be viable to begin construction of this project this late in the season.

It should be noted that the above approximated timeline is provided with the assumption that the District receives a qualified response(s) to the current solicitation for CM services, which is not a given. If no responses are received to the current solicitation, the schedule would be further delayed accordingly.

The original objective was to complete construction of this project during the 2024 construction season. However, the delayed start of construction due to the additional time required to obtain a CM consultant under contract would push the schedule to where the construction work would be completed after the optimal tank coating window has closed. Therefore, it is prudent to delay the entirety of construction of this project until the 2025 construction season so that a contractor could begin work early in the year and have construction completed in time for the coating window. Otherwise, if the start of construction is not delayed, then the contractor may be attempting to coat the tanks during unacceptable conditions leading to a poor product, inferior project life span, and potentially increased construction and long-term maintenance costs.

3. **Current status of the activities**

The currently ongoing project activities are limited to the project engineering design (includes development of plans, specifications, and bid/contract documents) and solicitation of a CM consultant. These milestones both need to be completed prior to the construction project being advertised for bids.

Engineering design for the project is almost at the 90% level. As noted in Section 2 of this letter, the RFQ for consulting CM services has been advertised for a second time, with the deadline for responses currently set at March 14, 2024.

4. **Current Period of Performance (POP) termination date and new projected completion date**

The Phase Two award letter from FEMA notes a current project completion date of March 30, 2025. HBMWD requests an extension of this completion date for one year, making the new completion date March 30, 2026.

Remaining available funds, both federal and non-Federal: $5,412,670.90.

Budget outlining how remaining Federal and non-Federal funds will be expended: unchanged from Phase Two grant award.

5. **Plan for completion, including updated schedule**

The next steps are to complete the engineering design and contract with a CM consultant. After these tasks are complete, the project can be advertised for construction bids. Then bids will be reviewed, and the project will be awarded to a contractor. Once the District is under contract with a contractor, submittals can be prepared by the contractor and reviewed by the engineer in the fall of 2024. Then materials with long lead times can be ordered and delivered to the site in early 2025 prior to the construction season. With this approach, construction will be ready to begin immediately when the weather allows, likely April or May of 2025. Beginning construction this early should allow sufficient time to where all major construction can occur efficiently in one construction season in time to allow for coating of the tanks during the optimal environmental timeframe. Construction would be completed in the fall of 2025, and the District would subsequently prepare and provide grant closeout documents to Cal OES to allow for the project closeout process at least three months prior to the updated project completion date of March 30, 2026. An updated schedule is included as an attachment to this letter.

We appreciate your assistance in this matter. Please do not hesitate to contact us if you have any questions or require any additional information.

Respectfully,

John Friedenbach
General Manager

cc: Nicole Kluenker, CalOES
Nathan Stevens, District Engineer-GHD

Table 1 – HBMWD Reservoirs Seismic Retrofit Phase Two Schedule, Revised March 7, 2024

Table 1 – HBMWD Reservoirs Seismic Retrofit Phase Two Schedule, Revised March 7, 2024

Event	Completion Date
Advertise second RFQ solicitation for CM services	February 16, 2024
Deadline to submit SOQ for CM services	March 14, 2024
Selection committee evaluates SOQs for CM services, potential interviews of top candidates	March 15 – March 29, 2024
90% engineering design	March 20, 2024
Notify apparent most qualified CM consultant	March 29, 2024
Final engineering design	April 10, 2024
Selected CM consultant submits scope and fee	April 11, 2024
Negotiation of CM consultant scope and fee, preparation of contract	April 12 – April 24, 2024
CM contract brought to HBMWD board for approval	May 16, 2024
CM consultant familiarizes with engineering design	May 10 – May 31, 2024
Advertise project for construction bids	June 3, 2024
Construction bids due	July 11, 2024
Evaluate construction bids	July 12 – July 18, 2024
Construction contract brought to HBMWD board for approval	August 8, 2024
Contracting and bonding complete	August 29, 2024
Construction submittals and reviews	August 30 – October 25, 2024
Construction materials fabricated and delivered to project sites	October 28, 2024 – January 16, 2025
Construction begins	April / May 2025
Construction complete	October 2025
Project / Grant Closeout	December 2025 – March 2026

FINANCIAL

Humboldt Bay Municipal Water District

To: Board of Directors

From: Chris Harris

Date: March 14, 2024

Re: FY 2024/2025 Budget Schedule

Background

As in the past, staff will present the FY2024/2025 budget over separate Board Meetings. This allows for flexibility and revisions between meetings as the board reviews and discusses the various aspects of the budget.

Current

Staff will begin the budget discussion with a brief preview of the proposed total budget for FY2024/2025. The intent is to provide the Directors with a more educated perspective on the impact of each separate budget component, and how those individual components impact the final charges passed on to the Municipal customers.

This year staff proposes to combine the Initial Budget Introduction and the Project Budget Presentation.

Staff proposes the following schedule:

- **May 16th** Introduction to the FY24/25 Budget
  - Summary of entire proposed budget
  - Review and discussion of proposed Service and Supply Budget
  - Review and discussion of proposed Salary and Employee Benefits Budget (including proposed COLA)

  Project Budget Presentation*

- **June 13th** Review and discussion of complete proposed FY24/25 Budget

- **July 11th** Potential approval of proposed FY24/25 Budget

*The annual District BBQ, typically held after the Project Budget presentation will be scheduled separately.

HUMBOLDT BAY MUNICIPAL WATER DISTRICT
STATEMENT OF FUND BALANCES - PAGE 1 OF 2

BANK ACCOUNT BALANCES AT MONTH-END	February 29, 2024	February 28, 2023
GENERAL ACCOUNTS		
1. US Bank - General Account	1,752,491.93	3,960,147.00
2. US Bank - Xpress BillPay/Electronic Payments Account	6,882.31	2,713.98
Subtotal	1,759,374.24	3,962,860.98
INVESTMENT & INTEREST BEARING ACCOUNTS		
3. US Bank - DWR/SRF Money Markey Accnt	-	166,594.34
4. US Bank - DWR/SRF Reserve CD Account	-	547,336.94
5. US Bank - PARS Investment Account	899,688.19	950,315.62
Contributions = $800,000 Disbursements = $166,619		
6. L. A. I. F Account - MSRA Reserve Account	464,745.76	449,429.65
7. CalTRUST - Restricted Inv. Account (Medium Term)	1,759,837.20	1,684,642.34
8. CalTRUST - DWFP Reserve Account (FedFund)	-	246,024.02
9. CalTRUST - ReMat Account (LEAF Fund)	-	1,206,045.75
10. CalTRUST - General Reserve Account (Short-Term)	4,630,370.03	2,408,676.75
Total CalTRUST Accounts	*6,390,207.23*	*5,545,388.86*
11. California CLASS - DWFP Reserve Account	257,455.20	-
12. California CLASS - ReMat Reserve Account	1,426,219.95	-
Total California CLASS Accounts	*1,683,675.15*	-
13. Humboldt County - SRF Loan Payment Account	236,707.54	(129,600.34)
14. Humboldt County - 1% Tax Account	751,537.04	1,124,785.25
15. Principle Investment Account	43,179.24	47,825.04
Subtotal	10,469,740.15	8,702,075.36
OTHER ACCOUNTS		
16. ReMat Deposit - Mellon Bank	27,000.00	27,000.00
17. Cash on Hand	650.00	650.00
Subtotal	27,650.00	27,650.00
TOTAL CASH	**12,256,764.39**	**12,692,586.34**

HUMBOLDT BAY MUNICIPAL WATER DISTRICT
STATEMENT OF FUND BALANCES - PAGE 2 OF 2

FUND BALANCES AT MONTH-END	February 29, 2024	February 28, 2023
RESTRICTED FUNDS - ENCUMBERED		
1. Prior-Year Price Factor 2 Rebate	(7,859.00)	(9,706.60)
2. Prior-Year Restricted AP Encumbrances	(619,931.00)	(44,939.00)
3. Advanced Charges - 3x Tank Seismic Retrofit	(1,519,111.09)	(1,269,146.62)
4. Advanced Charges - Cathodic Protection Project	(124,999.96)	(124,999.96)
5. Advanced Charges - Collector 2 Rehabilitation	(964,347.32)	(997,238.62)
6. Advanced Charges - On-Site Generation of Chlorine	(687,902.17)	(1,139,133.11)
7. Advanced Charges - Redundant Pipeline	(387,782.70)	(311,792.49)
8. Advanced Charges - TRF Emergency Generator	(372,389.61)	(375,000.00)
9. 3AC Collected Funds - TRF Emergency Generator	(312,858.62)	(312,858.62)
10. Advanced Funding - FEMA, Shoreline Debris Removal	-	(36,996.03)
11. Advanced Funding - August Complex-Ruth Paving	(112,456.22)	(112,456.22)
12. Advanced Charges - Assist. Spillway Seismic Grant	(23,333.32)	(23,333.32)
13. Advanced Funding - Eureka Cyber Security	(19,597.72)	(19,597.72)
14. Advanced Charges - Essex Facility Expansion	(105,400.00)	(105,400.00)
15. Advanced Charges - Capital Financing/Debt Service	(362,432.04)	(189,233.36)
Subtotal	(5,620,400.77)	(5,071,831.67)
RESTRICTED FUNDS - OTHER		
16. 1% Tax Credit to Muni's	(751,537.04)	18,048.38
17. DWR Reserve for SRF Payment	-	(166,594.34)
18. DWR Reserve for SRF Loan	-	(547,336.94)
19. Pension Trust Reserves	(899,688.19)	(950,315.62)
20. ReMat Deposit	(27,000.00)	(27,000.00)
21. HB Retail Capital Replacement Reserves	(206,712.52)	(159,005.67)
Subtotal	(1,884,937.75)	(1,832,204.19)
UNRESTRICTED FUNDS		
BOARD RESTRICTED		
22. MSRA Reserves	(464,745.76)	(449,429.65)
23. DWFP Reserves	(257,455.20)	(246,024.02)
24. ReMat Reserves	(1,426,219.95)	(1,206,045.75)
25. Paik-Nicely Development	-	(4,158.00)
26. Principle Investment Reserves	(43,179.24)	(47,825.04)
27. Northern Mainline Extension Study Prepayment	56.40	56.40
28. Blue Lake Rancheria Extension Study Prepayment	(4,235.37)	-
Subtotal	(2,191,543.75)	(1,953,426.06)
UNRESTRICTED RESERVES		
29. Accumulation for SRF Payment	-	(144,027.61)
30. General Fund Reserves	(2,559,882.12)	(3,679,965.42)
Subtotal	(2,559,882.12)	(3,818,360.59)
TOTAL NET POSITION	(12,256,764.39)	(12,675,822.51)

HUMBOLDT BAY MUNICIPAL WATER DISTRICT
REVENUE REPORT
February 29, 2024

67%
Of Budget Year

A. REVENUE RETURNED TO CUSTOMERS VIA PF2

	MTD RECEIPTS	YTD RECEIPTS	PRIOR YEAR	BUDGET	% OF BUDGET
1. Humboldt Bay Retail Water Revenue	23,573	238,051	219,941	350,000	68%
General Revenue					
Power Sales (Net ReMat)	27,413	38,553	69,022	125,000	31%
Tax Receipts (1% Taxes)	582,290	1,112,189	0	1,000,000	111%
Interest - Muni PF2 Retained	1,075	19,779	4,711		
2. Miscellaneous Revenue*	474	4,761	98,375	50,000	10%
**Detail on following page*					
TOTAL PF2 REVENUE CREDITS	634,825	1,413,332	392,048	1,525,000	93%

B. DISTRICT REVENUE

	MTD RECEIPTS	YTD RECEIPTS	PRIOR YEAR	BUDGET	% OF BUDGET
3. Industrial Water Revenue					
Harbor District	0	0	200	0	0
Subtotal Industrial Water Revenue	0	0	200	0	0
4. Municipal Water Revenue					
City of Arcata	0	905,472	1,010,790	1,538,900	59%
City of Blue Lake	16,934	137,302	115,713	202,362	68%
City of Eureka	305,019	2,411,412	2,341,382	3,617,684	67%
Fieldbrook CSD	0	116,887	125,430	194,298	60%
Humboldt CSD	91,098	750,882	706,772	1,105,724	68%
Manila CSD	7,333	60,520	58,563	90,372	67%
McKinleyville CSD	105,611	852,598	823,839	1,266,298	67%
Subtotal Municipal Water Revenue	525,994	5,235,074	5,182,489	8,015,638	65%
TOTAL INDUSTRIAL & WHOLESALE REVENUE	525,994	5,235,074	5,182,688	8,015,638	65%
5. Power Sales					
Power Sales (ReMat Revenue)	61,958	87,077	149,231	300,000	29%
Interest (ReMat Revenue)	0	0	0	0	
TOTAL REMAT REVENUE	61,958	87,077	149,231	300,000	29%
6. Other Revenue and Grant Reimbursement					
HB Retail Capital Replacement Rev.	3,791	31,383	30,986		
FCSD Contract	0	168,009	178,729		
FEMA/CalOES Grant Revenue	0	446,321	376,395		
SWRCB In-Stream Flow Grant Revenue	0	14,653	5,243		
Quagga Grant Revenue	0	0	0		
Misc. Grant Revenue	0	1,120	0		
CalFire Healthy Forest Funding	0	0	0		
CalFire Fuel Reduction Funding	6,354	346,323	0		
Interest Earned	0	1	0		
Net Increase/(Decrease) Investment Accounts	4,750	351,568	(33,850)		
TOTAL OTHER/GRANT REVENUE	14,894	1,359,377	557,503		
GRAND TOTAL REVENUE	1,237,672	8,094,860	6,281,470	9,840,638	82%

HUMBOLDT BAY MUNICIPAL WATER DISTRICT
MISCELANEOUS REVENUE - DETAIL REPORT
February 29, 2024

B. MISCELLANEOUS RECEIPTS (RETURNED TO CUSTOMERS VIA PF2)

	MTD RECEIPTS	YTD RECEIPTS
Miscelaneous Revenue		
Dividend - Principal Life	-	1,047
Fees - Park Use	100	100
Rebate - CALCard	314	961
Refund - Diesel Fuel Tax	-	200
Refunds - Miscelaneous	-	101
Reimb - Blue Lake SCADA/Internet Monthly Fees	-	-
Reimb. - Copies & Postage	-	152
Reimb. - Gas	-	-
Reimb. - Misc. Employee	-	-
Reimb. - Telephone	-	-
UB - Water Processing Fees	60	300
UB - Hydrant Rental Deposit/Use	-	-
Ruth Area		
Lease - Don Bridge	-	-
Rent - Ruth Cabin	-	1,800
Ruth Annual Lessee Water Fees	-	100
TOTAL MISCELANEOUS REVENUE	474	4,761

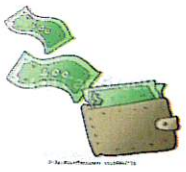
HUMBOLDT BAY MUNICIPAL WATER DISTRICT
MONTHLY EXPENDITURE REPORT - PAGE 1 OF 3
February 29, 2024

67%
Of Budget Year

SALARY AND EMPLOYEE BENEFIT EXPENDITURES (S. E. B.)

	Month-to-Date	Year-to-Date	Prior Year	Budget	% of Budget
Compensation					
1. Wages - Regular	188,884.00	1,517,359.08	1,570,364.01	2,556,746	69%
2. Wages - Sick	10,703.44	75,985.34	89,909.55		
3. Wages - Vacation	7,935.38	172,856.11	145,847.40		
Subtotal	207,522.82	1,766,200.53	1,806,120.96	2,556,746	69%
4. Wages - Overtime	1,110.80	10,007.81	10,676.43	15,855	
5. Wages - Holiday (Worked)	-	9,966.68	8,631.54	15,855	
Subtotal	1,110.80	19,974.49	19,307.97	31,710	63%
6. Wages - Part-Time	1,161.55	35,451.05	31,403.90	115,430	31%
7. Wages - Shift Differential	996.64	7,485.40	7,510.13	12,156	62%
8. Wages - Standby	8,294.63	68,781.63	62,012.96	97,773	70%
9. Director Compensation	2,640.00	16,800.00	16,880.00	26,000	65%
10. Secretarial Fees	262.50	2,296.89	2,100.00	3,200	72%
11. Payroll Tax Expenses	16,848.70	145,797.57	148,661.71	228,272	64%
Subtotal	30,204.02	276,612.54	268,568.70	482,831	57%
Employee Benefits					
12. Health, Life,& LTD Ins.	55,316.61	405,423.23	465,232.39	982,991	41%
13. Air Medical Insurance	79.00	2,528.00	2,266.00	2,707	93%
14. Retiree Medical Insurance	10,240.13	76,720.78	76,279.82	83,000	77%
14a. Retiree Medical Reimb.	*(1,361.24)*	*(13,133.67)*	*(24,502.84)*		
15. Employee Dental Insurance	2,494.90	21,936.59	23,917.28	44,086	50%
16. Employee Vision Insurance	539.44	4,685.01	5,141.12	7,471	63%
17. Employee EAP	72.05	623.43	667.27	1,116	56%
18. Fitness Stipend	165.00	165.00	-	5,400	3%
19. 457b District Contribution	3,825.00	30,287.50	19,619.04	48,900	62%
20. CalPERS Expenses	28,575.00	445,915.83	533,606.16	599,102	74%
21. Workers Comp Insurance	-	86,802.99	92,190.03	146,512	59%
Subtotal	99,945.89	1,061,954.69	1,194,416.27	1,921,285	55%
TOTAL S.E.B	338,783.53	3,124,742.25	3,288,413.90	4,992,572	63%

HUMBOLDT BAY MUNICIPAL WATER DISTRICT
MONTHLY EXPENDITURE REPORT - PAGE 2 OF 3
February 29, 2024

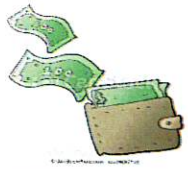


67%
Of Budget Year

SERVICE & SUPPLY EXPENDITURES (S & S)

	Month-to-Date	Year-to-Date	Prior Year	Budget	% of Budget
Operations & Maintenance					
1. Auto Maintenance	6,147.72	35,309.05	36,137.13	39,200	90%
2. Engineering	2,820.26	24,050.20	39,886.56	75,000	32%
3. Lab Expenses	2,445.00	13,255.00	16,430.00	13,000	102%
4. Maintenance & Repairs					
General	8,293.97	34,343.59	20,320.39	45,200	76%
TRF	-	3,779.39	16,076.63	17,000	22%
Subtotal	*8,293.97*	*38,122.98*	*36,397.02*	*62,200*	61%
5. Materials & Supplies					
General	13,120.72	55,211.26	39,927.91	39,500	140%
TRF	26,396.48	52,155.19	40,226.47	35,000	149%
Subtotal	*39,517.20*	*107,366.45*	*80,154.38*	*74,500*	144%
6. Radio Maintenance	578.09	7,174.72	4,738.24	8,500	84%
7. Ruth Lake License	-	1,500.00	1,500.00	1,500	100%
8. Safety Equip./Training					
General	2,141.88	16,625.80	21,026.89	19,000	88%
TRF	-	153.00	144.00	2,000	8%
Subtotal	*2,141.88*	*16,778.80*	*21,170.89*	*21,000*	80%
9. Tools & Equipment	325.91	2,232.71	1,069.38	5,000	45%
10. USGS Meter Station	-	8,600.00	8,220.00	9,000	96%
Operations Subtotal	*62,270.03*	*254,389.91*	*245,703.60*	*308,900*	82%
General & Administration					
11. Accounting Services	1,200.00	21,005.00	26,095.00	35,000	60%
12. Bad Debt Expense	-	-	-	-	0
13. Dues & Subscriptions	-	33,056.36	31,414.25	37,400	88%
14. IT & Software Maintenance	3,449.01	49,161.14	38,422.43	82,000	60%
15. Insurance	-	130,217.44	107,309.77	120,000	109%
16. Internet	845.45	5,661.46	8,607.02	5,500	103%
17. Legal Services	3,818.50	11,916.10	14,015.41	35,000	34%
18. Miscellaneous	494.00	5,420.61	5,508.36	10,000	54%
19. Office Building Maint.	1,466.75	13,282.59	13,591.13	19,000	70%
20. Office Expense	4,369.98	30,439.09	26,030.76	39,600	77%
21. Professional Services	-	1,603.75	6,481.96	20,000	8%
22. Property Tax	-	2,764.00	2,764.00	3,000	92%

HUMBOLDT BAY MUNICIPAL WATER DISTRICT
MONTHLY EXPENDITURE REPORT - PAGE 3 OF 3
February 29, 2024



67%
Of Budget Year

SERVICE & SUPPLY EXPENDITURES (con't)	Month-to-Date	Year-to-Date	Prior Year	Budget	% of Budget
23. Regulatory Agency Fees	19,206.88	166,986.21	115,384.88	199,000	84%
24. Ruth Lake Programs	-	-	-	5,000	0%
25. Safety Apparel	1,393.66	4,201.10	2,670.62	9,300	45%
26. Technical Training	-	314.23	101.36	14,000	2%
27. Telephone	1,086.56	8,524.26	9,800.40	19,000	45%
28. Travel & Conference	840.00	12,422.34	8,488.69	22,000	56%
Gen. & Admin. Subtotal	*38,170.79*	*496,975.68*	*416,686.04*	*674,801*	74%
TOTAL SERVICE & SUPPLY	*100,440.82*	*751,365.59*	*662,389.64*	*983,700.59*	76%
Power					
29. Essex - PG & E	69,539.05	613,850.40	615,291.20		
30. 2Mw Generator Fuel	-	-	8,561.05		
Subtotal Essex Pumping	69,539.05	613,850.40	623,852.25		
31. All other PG & E	20,682.15	165,094.88	53,572.91		
Subtotal All Power	*90,221.20*	*778,945.28*	*677,425.16*	1,019,000	76%
Total Service and Supplies incl. Power	190,662.02	1,530,310.87	1,339,814.80	2,002,701	76%

PROJECTS, FIXED ASSETS & CONSULTING SERVICES	Month-to-Date	Year-to-Date		Budget	% of Budget
	475,412.00	4,215,361.00		19,840,575	21%
GRAND TOTAL EXPENSES	1,004,857.55	8,870,414.12	4,628,228.70	26,835,848	33%
32. Debt Service - SRF Loan	-	273,668	273,668	273,668	100%
TOTAL EXPENSES WITH DEBT SERVICE	1,006,977.25	9,146,201.82	4,919,183.56	27,109,515.56	
OTHER EXPENSES					
33. ReMat Consultant Exp.	2,119.70	2,119.70	17,286.86		
34. Capital Replacement Exp.	-	-	-		
TOTAL EXPENSES WITH REMAT	192,781.72	1,532,430.57	1,357,101.66		

HUMBOLDT BAY MUNICIPAL WATER DISTRICT

PROJECT PROGRESS REPORT

February 29, 2024

67% *Of Budget Year*

A. CAPITAL PROJECTS

	GRANT FUNDED CAPITAL PROJECTS	MTD EXPENSES	YTD TOTAL	BUDGET	% OF BUDGET
1	Grant - TRF Generator *(Treatment Facility Project, $1.9M - FEMA, Approved)*	50	89,274	1,900,000	5%
2	Grant - Collector 2 Rehabilitation *($1.6M - NCRP Prop1, Approved)*	137,016	2,301,552	3,200,000	72%
3	Grant - Collector Mainline Redundancy Pipeline *(Treatment/Base Facility Project, $3.1M - FEMA, Approved)*	0	76,774	3,100,000	2%
4	Grant - 2x Tank Seismic Retrofit	39,309	64,916	5,700,000	1%
4A	Grant - 1x Tank (Industrial) Seismic Retrofit *($5.7M - FEMA, Industrial Expenses Line 103B)*	(20,013)	(30,596)	0	
4B	12kV Relocation	0	60,000	0	0%
	TOTAL GRANT FUNDED CAPITAL PROJECTS	156,361	2,561,919	13,900,000	18%
	NON-GRANT FUNDED CAPITAL PROJECTS				
5	Mainline Valve Replacement Program	0	0	170,000	0%
6	ADA Improvments - Eureka Office Parking Lot	0	6,854	11,000	62%
7	Storage Barn at Headquarters *($180k, FY24/FY25,Advanced Charges being Collected)*	0	0	0	0
	TOTAL NON-GRANT FUNDED CAPITAL PROJECTS	0	6,854	181,000	4%

B. EQUIPMENT AND FIXED ASSET PROJECTS

		MTD EXPENSES	YTD TOTAL	BUDGET	% OF BUDGET
8	FY24 Replace Essex Admin Computers	381	3,033	6,500	47%
9	FY24 Replace Control Computers	0	2,177	5,250	41%
10	Spare Collector Motor	0	102,787	108,250	95%
11	Portable Eye Wash & Shower	0	1,470	1,750	84%
12	Pipeline Maintenance Equipment	2,936	8,290	5,750	144%
13	John Deere 4052 Implements	0	2,497	6,500	38%
14	Maintenance Shop High Bay Lights	41	2,377	3,250	73%
15	Cordless Tools & Equipment	863	4,948	5,250	94%
16	TRF Security Fence *(Treatment Facility Project)*	0	0	7,750	0%
17	TRF Spare Process Pumps *(Treatment Facility Project)*	0	25,508	25,750	99%
18	TRF Replace PH Probes *(Treatment Facility Project)*	0	0	26,750	0%
19	TRF Benchtop Turbidity Meter *(Treatment Facility Project)*	6,481	6,481	6,750	96%
20	Tesla Battery Project - TRF *(Treatment Facility Project)*	233	1,862	0	0
20A	FY24 Turbidimeter Replacement *(Treatment Facility Project)*	0	14,784	0	0

HUMBOLDT BAY MUNICIPAL WATER DISTRICT
PROJECT PROGRESS REPORT - PAGE 2 OF 5
February 29, 2024

67% *Of Budget Year*

B. EQUIPMENT AND FIXED ASSET PROJECTS (con't)

		MTD EXPENSES	YTD TOTAL	BUDGET	% OF BUDGET
21	FY24 Replace Eureka Admin Computers	0	1,410	3,000	47%
22	Ruth Hydro Power Monitor Replacement	64	12,815	13,500	95%
23	Ruth Hydro Plant PRV Internal Belzona Repairs	0	0	4,750	0%
24	Ruth Hydro Incoming Power Feed Conductors	0	0	42,500	0%
25	Ruth Bunkhouse Picnic Table Replacement	0	1,388	2,000	69%
26	Ruth Automated Tiltometers	0	0	50,000	0%
26A	Grant - Power Loss - FEMA 4699 Winter Storm	0	4,124	0	0%
	TOTAL EQUIPMENT & FIXED ASSET PROJECTS	**10,998**	**195,952**	**325,250**	**60%**

C. MAINTENANCE PROJECTS

		MTD EXPENSES	YTD TOTAL	BUDGET	% OF BUDGET
27	FY24 Pipeline Maintenance	285	967	14,000	7%
28	FY24 Main Line Meter Flow Calibration	1,007	1,007	28,000	4%
29	FY24 Technical Support & Softare Updates	0	27,430	26,750	103%
30	FY24 Generator Services	0	0	3,500	0%
31	FY24 Hazard & Diseased Tree Removal	0	0	8,000	0%
32	FY24 Cathodic Protection	0	0	1,500	0%
33	FY24 Maintenance Emergecy Repairs	1,411	31,863	50,000	64%
34	FY24 Fleet Paint Repairs	0	2,154	5,000	43%
35	Particle Counter Calibration	0	1,727	1,750	99%
36	EOC Emergency Backpack Supplies	0	1,449	1,750	83%
37	Collector 1 Conductor Replacement	0	0	89,750	0%
38	FY24 Power Pole/Line Inspection/Maintenance	10,756	10,756	43,500	25%
39	SBPS Roll-Up Door	0	31,512	33,000	95%
40	Service Vehicle Utility Box Lighting	0	1,473	1,750	84%
41	Park #1 Gazebo Roof Replacement	0	2,843	3,500	81%
42	Pipeline R-O-W Maintenance	0	0	20,000	0%
43	FY24 TRF Generator Maintenance *(Treatment Facility Project)*	0	328	500	0%
44	FY24 TRF Limitorque Valve Retrofit Supplies *(Treatment Facility Project)*	0	0	14,500	0%
45	TRF Valve Network Upgrade (Phase 2) *(Treatment Facility Project)*	0	511	125,000	0%
46	FY24 Brush Abatement Ruth Hydro	0	0	21,000	0%
47	FY24 LTO Insurance	0	0	5,000	0%
48	FY24 Spillway Repairs	0	352	10,000	4%
49	FY24 Howell Bunger Valve Inspection	0	0	1,000	0%
20	FY24 Log Boom Inspection	0	123	1,500	8%
51	Ruth Hydro Synchronizer Testing	0	0	21,000	0%

HUMBOLDT BAY MUNICIPAL WATER DISTRICT
PROJECT PROGRESS REPORT - PAGE 3 OF 5
February 29, 2024

67% *Of Budget Year*

C. MAINTENANCE PROJECTS (con't)

		MTD EXPENSES	YTD TOTAL	BUDGET	% OF BUDGET
52	Replace Headquarters Garage Doors	0	0	6,750	0%
53	FY24 Eureka Office Generator Service	0	697	500	139%
53A	Shoreline Debris Removal, Ruth Fire Recovery	0	1,488	0	0%
	TOTAL MAINTENANCE PROJECTS	13,458	116,679	538,500	22%

D. PROFESSIONAL & CONSULTING SERVICES

		MTD EXPENSES	YTD TOTAL	BUDGET	% OF BUDGET
55	FY24 Crane Testing/Certification	0	8,414	10,000	84%
56	FY24 Chlorine System Maintenance	0	9,284	6,750	138%
57	FY24 Hydro Plant Annual Elect/Maint Inspection	0	172	4,000	4%
58	FY23 Hydro Plant Annual Elec. Maint./Testing	0	0	5,000	0%
59	FY24 Essex Mad River Cross-Sectional Survey	0	6,550	12,000	55%
60	FY24 Technical Training	0	6,632	27,000	25%
61	FY24 O & M Training	197	197	20,000	1%
62	Backflow Tester Certification	0	4,813	5,750	84%
63	EAP Tabletop Planning	0	0	5,000	0%
64	CIP 10-yr Financial Revision and Project Review	0	0	15,000	0%
65	FY24 Public Education Funds	0	1,500	5,000	30%
66	FY24 Mad River Regulatory Compliance Assistance	0	0	50,000	0%
67	Spillway Bridge Inspection	0	0	7,500	0%
68	FY24 GHD Review/Report Mad River Cross-Sectional	0	1,826	5,000	37%
69	FY24 Grant Application Assistance	0	0	20,000	0%
70	Domestic Water for Nordic Aqua Farm	0	0	5,000	0%
71	Samoa Peninsula ROW EIR (GHD)	2,169	28,028	240,850	12%
72	Domestic Water System Cathodic Protection Updates	0	17,075	48,000	36%
73	Water Quality Moniotoring Plan Update	0	0	20,000	0%
74	Water Model Update/Peninsula Domestic Capacity Rvw	0	0	30,000	0%
75	Engineering Study-Replace 15-inch Peninsula Pipe	0	0	25,000	0%
76	Dam Crest Monument Survey (Vertical Cntrl Survey)	0	0	20,000	0%
77	GHD - Dam Vertical Control Survey Analysis	3,182	8,382	5,000	168%
78	FY24 Dam Spillway Wall Monument Survey	6,600	16,800	17,500	96%
79	GHD - Dam Spillway Wall Monument Survey Analysis	3,874	3,874	6,500	60%
80	Dam Left Abutment Slide Monitoring Survey	0	0	10,000	0%
81	GHD - Dam Left Abutment Slide Monitoring Survey	1,668	1,668	3,000	56%
82	FY24 FERC DSSMR Assistance (GHD)	2,855	2,855	5,000	57%

HUMBOLDT BAY MUNICIPAL WATER DISTRICT
PROJECT PROGRESS REPORT - PAGE 4 OF 5
February 29, 2024

67% *Of Budget Year*

D. PROFESSIONAL & CONSULTING SERVICES (CON'T)

		MTD EXPENSES	YTD TOTAL	BUDGET	% OF BUDGET
83	FY24 Spillway Repair, Dam Inspection/Reporting Assistance	0	787	5,000	16%
84	FY24 FERC Chief Dam Safety Engineer	1,513	5,337	12,000	44%
	TOTAL PROF/CONSULTING SERVICES	22,059	124,195	650,850	19%

E. INDUSTRIAL SYSTEM PROJECTS

85	Refurbish PS-6 (Phase 1)	0	0	0	0
86	2 Pumps/Motors/VFD's for Pump Station 6	0	0	0	0
87	Maintain Water to PS6 During Low-Flow Months	0	0	13,250	0%
88	Industrial System Assistance	0	0	0	0
89	Crossover Vault Modifications	0	0	0	0
90	Pump Station 6 Gravel Bar Work and Permitting	0	0	0	0
	TOTAL INDUSTRIAL SYSTEM PROJECTS	0	0	13,250	0%

F. CARRY-OVER PROJECTS FROM PRIOR YEAR

	TOTAL CARRYOVER PROJECTS	0	0	0	0%

G. ADVANCED CHARGES & DEBIT SERVICE FUNDS COLLECTED

		MTD	YTD	BUDGET	% BUDGET
91	On-Site Generation of Chlorine	10,996	87,967	131,950	67%
	($1.3M - FY23/24 Treatment Facility Project)				
92	Prof. Services for New Capital Debt	13,517	108,133	162,200	67%
93	Storage Barn for Ruth Headquarters	7,500	60,000	90,000	67%
	TOTAL ADVANCED CHARGES COLLECTED	32,013	256,100	384,150	67%

H. PROJECTS NOT CHARGED TO MUNICIPAL CUSTOMERS

		MTD EXPENSES	YTD TOTAL	BUDGET	% OF BUDGET
94	On-Site Generation of Chlorine	24,078	738,382	1,212,499	61%
	($1.2M - FY23, Treatment Facility Project)				
95	Humboldt Bay Radio Read Meters	0	0	9,500	0%
	(Capital Replacement Funds)				
96	Ruth Paving and Repairs	0	0	0	0
	(Non-FEMA August Complex Wildfire Funds Collected)				
97	Domestic Water System Cathodic Protection	0	0	0	0
	(Collected Advance Charges)				

HUMBOLDT BAY MUNICIPAL WATER DISTRICT

PROJECT PROGRESS REPORT - PAGE 5 OF 5

67% *Of Budget Year*

February 29, 2024

H. PROJECTS NOT CHARGED TO MUNICIPAL CUSTOMERS (con't)

		MTD EXPENSES	YTD TOTAL	BUDGET	% OF BUDGET
98	Streambed Flow Enhancement Grant *(DWR Grant)*	8,817	25,965	457,755	6%
99	Clean-Out Industrial Water Tank *(ReMat Reserves)*	0	0	0	0
100	North Mainline Extension Study	0	0	10,000	0%
101	BL Rancheria Water	1,620	14,498	0	0
102	CalFire Healthy Forest Grant *(CalFire Grant)*	0	7,200	5,000,000	0%
103	CalFire Fuels Reduction Program *(CalFire Funding)*	75,000	95,270	500,000	19%
103A	Quagga Grant Projects (Ruth Lake)	(35)	19,216	0	0%
103B	Grant - 1x Tank (Industrial) Seismic Retrofit *(ReMat Reserves)*	20,013	30,596	0	0
103C	Prof. Services for New Capital Debt *(Collected Advance Charges)*	3,375	16,275	0	0%
	TOTAL NOT CHARGED TO CUSTOMERS	132,867	947,402	7,189,754	13%

PROJECT PROGRESS REPORT SUMMARY OF ALL ACTIVITY

CUSTOMER CHARGES	MTD	YTD	BUDGET	% BUDGET
TOTAL NON-GRANT FUNDED CAPITAL PROJECTS	0	6,854	181,000	4%
Treatment Facility Portion	*0*	*0*	*0*	
TOTAL EQUIPMENT & FIXED ASSET PROJECTS	10,998	195,952	325,250	60%
Treatment Facility Portion	*6,714*	*33,851*	*67,000*	
TOTAL MAINTENANCE PROJECTS	13,458	116,679	538,500	22%
Treatment Facility Portion	*0*	*839*	*140,000*	
TOTAL PROF/CONSULTING SERVICES	22,059	124,195	650,850	19%
Treatment Facility Portion	*0*	*0*	*0*	
TOTAL INDUSTRIAL SYSTEM PROJECTS	0	0	13,250	0%
TOTAL CARRYOVER PROJECTS	0	0	0	0
Treatment Facility Portion	*0*	*0*	*0*	
TOTAL ADVANCED CHARGES/DEBIT SERVICE	32,013	256,100	384,150	67%
Treatment Facility Portion	*$0*	*$0*	*$0*	
TOTAL CUSTOMER CHARGES	$78,527	$699,780	$2,093,000	33%

NON-CUSTOMER CHARGES (CURRENT FY)	MTD	YTD	BUDGET	% BUDGET
TOTAL GRANT FUNDED CAPITAL PROJECTS	156,361	2,561,919	13,900,000	18%
TOTAL NON-CUSTOMER CHARGES	132,867	947,402	7,189,754	13%
TOTAL USE OF ENCUMBERED FUNDS	(1,036)	180,967	800,898	23%
TOTAL NON-CUSTOMER CHARGES	$288,192	$3,690,288	$21,890,652	17%
GRAND TOTAL PROJECT BUDGET ACTIVITY	$366,721	$4,390,068	$23,983,652	18%

HUMBOLDT BAY MUNICIPAL WATER DISTRICT

ENCUMBERED FUNDS RECONCILIATION REPORT

February 29, 2024

		MTD EXPENSES	YTD TOTAL	AMOUNT ENCUMBERED	REMAINING
	A. CAPITAL PROJECTS				
1E	Fiber Optic Link - Collector 2 - Phase 1	0	677	28,500	27,823
2E	Power and Fiber Optic Link-Collector 2 - Phase 2	0	5,641	44,000	38,359
3E	Underground Power to Collector 2 - Phase 3	(1,036)	96,295	207,084	110,789
4E	Retaining Wall for Valve Access	0	0	70,000	70,000
	B. EQUIPMENT & FIXED ASSET PROJECTS				
5E	Essex Stand Alone Security and Fire Monitoring	0	1,554	1,750	196
6E	Electrical Shop Offices	0	8,027	19,937	11,910
7E	Hydro Plant Neutral Overvoltage Relay	0	0	8,956	8,956
8E	Hydro Plant Wicket Gate & HBV Signal Upgrade	0	8,357	8,500	143
	C. MAINTENANCE PROJECTS				
9E	FY23 Main Line Meter Flow Calibration	0	124	24,803	24,679
10E	Truesdale to Samoa Booster Station Telemetry Radio	0	460	3,209	2,749
11E	Line Shed Alarm Upgrades	0	0	6,500	6,500
	D. PROFESSIONAL & CONSULTING SERVICES				
24E	Above Ground 10,000 Gallon Fuel Tank Testing	0	0	5,400	5,400
25E	Salary Survey	0	0	25,000	25,000
26E	Engineering Study-Replace 15-inch Peninsula Pipe	0	0	4,702	4,702
27E	Samoa Peninsula Coastal Development Permit	0	7,469	26,465	18,996
28E	Samoa Peninsula ROW EIR (GHD)	0	32,932	32,932	0
29E	Transformer at Hydro Plant	0	8,524	19,779	11,255
30E	Upgrade Microsoft Office - Essex	0	15	900	885
31E	404 Permit Assistance	0	0	24,196	24,196
32E	Lease Lots Surveys	0	0	22,618	22,618
33E	GIS / FIS Ruth Area, Including Internship	0	0	5,000	5,000
34E	GIS Project at Ruth Lake (USFS)	0	0	7,500	7,500
35E	Collector Arc Flash Study Update and Breaker Testi	0	9,816	9,760	(56)
36E	CAISO Meter Inspection Calibration	0	0	4,000	4,000
37E	Technical Dam/Spillway Support*	0	1,076	189,407	188,331

*This total comprised of projects #23-51-0033, 23-58-0115, 23-58-0116, 23-56-0122, 23-58-9123, 22-58-0121

ENCUMBERED FUNDS TOTAL	(1,036)	180,967	800,898	619,931

Vendor Name	Date Paid	Description	Amount Paid
101 NETLINK			
101 NETLINK	02/02/2024	*Ruth Data Link/Internet*	354.51
Total 101 NETLINK:			354.51
ACWA/JPIA			
ACWA/JPIA	02/16/2024	*RETIREE MEDICAL*	10,283.53
ACWA/JPIA	02/16/2024	*Cobra Dental*	40.92-
ACWA/JPIA	02/16/2024	*RETIREE MEDICAL*	2.48-
Total ACWA/JPIA:			10,240.13
Advanced Display & Signs			
Advanced Display & Signs	02/15/2024	*Fleet vehicle decals for inventory*	153.55
Total Advanced Display & Signs:			153.55
Advanced Security Systems			
Advanced Security Systems	02/02/2024	*Alarm system monitoring at Hydro Plant*	156.00
Total Advanced Security Systems:			156.00
AirGas NCN			
AirGas NCN	02/15/2024	*Safety Supplies*	343.22
AirGas NCN	02/29/2024	*Plasma cutter tips*	38.89
AirGas NCN	02/29/2024	*Grinding wheels*	137.36
Total AirGas NCN:			519.47
AT & T			
AT & T	02/29/2024	*Eureka/Essex Landline*	31.57
AT & T	02/29/2024	*Arcata/Essex Landline*	31.57
AT & T	02/29/2024	*Eureka Office/Alarm*	60.26
AT & T	02/29/2024	*TRF*	29.35
AT & T	02/29/2024	*Essex office/Modem/Control Alarm System*	29.35
AT & T	02/15/2024	*Eureka Office Long Distance*	7.71
AT & T	02/15/2024	*Essex office/Modem/Control Alarm System*	6.77
Total AT & T:			196.58
ATS Communications			
ATS Communications	02/07/2024	*IT Support for Essex Admin Computers*	1,435.00
Total ATS Communications:			1,435.00
BDI - M&S Arcata			
BDI - M&S Arcata	02/15/2024	*Brass camlock locking levers and fittings*	43.30
BDI - M&S Arcata	02/15/2024	*6" camlock gaskets for pump hoses*	50.13
Total BDI - M&S Arcata:			93.43
Bear River Band THPO Department			
Bear River Band THPO Department	02/05/2024	*CDP for Industrial Tank Retrofit*	30.00
Total Bear River Band THPO Department:			30.00

Vendor Name	Date Paid	Description	Amount Paid
Blue Lake Rancheria THPO			
Blue Lake Rancheria THPO	02/05/2024	*CDP for Industrial Tank Retrofit*	30.00
Total Blue Lake Rancheria THPO:			30.00
California Dept of Tax and Fee Admin			
California Dept of Tax and Fee Admin	02/29/2024	*Sales Tax on T&R Electric Invoice #163516 & #164323*	5,451.99
California Dept of Tax and Fee Admin	02/29/2024	*Sales Tax on T&R Electric Invoice #167447*	1,506.12
Total California Dept of Tax and Fee Admin:			6,958.11
Citi Cards			
Citi Cards	02/29/2024	*Eureka office supplies*	36.03
Total Citi Cards:			36.03
City of Eureka			
City of Eureka	02/12/2024	*Eureka office water/sewer*	120.01
Total City of Eureka:			120.01
Coastal Business Systems Inc.			
Coastal Business Systems Inc.	02/15/2024	*Eureka office copy and fax machine*	750.17
Coastal Business Systems Inc.	02/15/2024	*Essex copy/fax machine*	268.25
Coastal Business Systems Inc.	02/29/2024	*Eureka office copy and fax machine*	750.17
Coastal Business Systems Inc.	02/29/2024	*Essex copy/fax machine*	268.25
Total Coastal Business Systems Inc.:			2,036.84
Corey Borghino			
Corey Borghino	02/15/2024	*Petty Cash-Office Supplies*	37.72
Corey Borghino	02/15/2024	*Eureka Petty Cash - Filing Fee TRF Generator Grant*	50.00
Corey Borghino	02/15/2024	*Petty Cash-Board Mtg Refreshments*	24.76
Total Corey Borghino:			112.48
County of Humboldt			
County of Humboldt	02/05/2024	*CDP for Industrial Tank Retrofit*	6,236.00
Total County of Humboldt:			6,236.00
Cummins Sales and Service			
Cummins Sales and Service	02/29/2024	*IW generator diagnosis and reassembly*	435.82
Total Cummins Sales and Service:			435.82
Downey Brand Attorneys LLP			
Downey Brand Attorneys LLP	02/29/2024	*Legal Fees Jan 2024 - Instream Flow Ivestigation*	2,650.00
Downey Brand Attorneys LLP	02/29/2024	*Legal Fees Jan 2024 - BL Rancheria Water*	1,620.00
Downey Brand Attorneys LLP	02/29/2024	*Legal Fees Jan 2024 - Water Line Maint Project*	3,220.00
Total Downey Brand Attorneys LLP:			7,490.00
Eureka Oxygen			
Eureka Oxygen	02/16/2024	*cylinder rental*	138.44

Vendor Name	Date Paid	Description	Amount Paid
Total Eureka Oxygen:			138.44
Eureka Readymix			
Eureka Readymix	02/29/2024	*Drain rock for Park 4 road*	366.69
Total Eureka Readymix:			366.69
FEDEX			
FEDEX	02/12/2024	*Ship annual flow testing of SCBA 4 & 5*	15.83
FEDEX	02/12/2024	*Ship annual flow testing of SCBA 4 & 5*	32.50
FEDEX	02/12/2024	*Ship annual flow testing of SCBA 2 & 3*	38.42
FEDEX	02/29/2024	*Ship annual flow testing of SCBA #1*	35.71
Total FEDEX:			122.46
FleetPride			
FleetPride	02/29/2024	*Reflective tape*	173.70
Total FleetPride:			173.70
Franchise Tax Board			
Franchise Tax Board	02/05/2024		65.00
Franchise Tax Board	02/20/2024		65.00
Total Franchise Tax Board:			130.00
Frontier Communications			
Frontier Communications	02/29/2024	*Ruth HQ*	59.48
Frontier Communications	02/29/2024	*Ruth Hydro/Ruth Dataline*	233.54
Total Frontier Communications:			293.02
GEI Consultants, Inc			
GEI Consultants, Inc	02/12/2024	*Qualified Dam Safety Consultant - FY23/24 #24-0936*	1,513.00
Total GEI Consultants, Inc:			1,513.00
Gelinas James, Inc			
Gelinas James, Inc	02/29/2024	*Instream Flow - General Consultation & Meeting Facilitating Se*	4,500.00
Total Gelinas James, Inc:			4,500.00
GFS Chemicals, Inc			
GFS Chemicals, Inc	02/29/2024	*Rosemount turbidimeter calibrations*	537.70
Total GFS Chemicals, Inc:			537.70
GHD			
GHD	02/29/2024	*Essex OSHG Installation and Integration Design #23-0091*	22,521.39
GHD	02/29/2024	*General Engineering #24-0001*	2,723.01
GHD	02/29/2024	*General Engineering - Ruth #24-0001*	97.25
GHD	02/29/2024	*Reservoirs Seismic Retrofit Phs 2 #24-0811*	19,133.78
GHD	02/29/2024	*Reservoirs Seismic Retrofit Phs 2 #24-0811*	13,581.28
GHD	02/29/2024	*Collector 2 Rehabilitation*	1,541.03
GHD	02/29/2024	*Samoa Peninsula ROW EIR #23-0625*	2,169.13
GHD	02/29/2024	*2023 Matthews Dam Spillway Wingwall and Floor Survey #24-0*	3,874.01

Vendor Name	Date Paid	Description	Amount Paid
GHD	02/29/2024	*Matthews Dam Vertical Monument Monitoring Survey #24-0015*	3,181.88
GHD	02/29/2024	*2023 DSSMR Support #24-0018*	2,855.25
GHD	02/29/2024	*2023 Matthews Dam Left Abutment Monitoring Survey Analysis*	1,668.01
Total GHD:			73,346.02
GR Sundberg, Inc			
GR Sundberg, Inc	02/15/2024	*Deliver Sand to Samoa Per Emergency Contract #24-0241*	850.00
Total GR Sundberg, Inc:			850.00
Grainger			
Grainger	02/29/2024	*Repair materials for TRF galley heaters*	148.04
Grainger	02/12/2024	*Parts washer pump*	181.03
Total Grainger:			329.07
H.T. Harvey & Associates			
H.T. Harvey & Associates	02/12/2024	*Mad River Instream Flow Dedication*	852.00
H.T. Harvey & Associates	02/16/2024	*Mad River Instream Flow Dedication*	568.00
Total H.T. Harvey & Associates:			1,420.00
Hach Company			
Hach Company	02/15/2024	*Maintenance items for turbidimeters at various locations*	1,126.84
Hach Company	02/15/2024	*pH probe maintenance & source waterturbidimeter cleaning*	596.51
Total Hach Company:			1,723.35
Health Equity Inc			
Health Equity Inc	02/16/2024	*District HSA Contributions- Feb 2024*	14,352.30
Health Equity Inc	02/12/2024	*HSA Admin Fee Jan 2024 - 6 employees*	17.70
Health Equity Inc	02/12/2024	*HSA Admin Fee Jan 2024 19 employees*	56.05
Total Health Equity Inc:			14,426.05
Hensel Hardware			
Hensel Hardware	02/15/2024	*Trash bags*	28.84
Hensel Hardware	02/29/2024	*Shop Supplies*	32.52
Hensel Hardware	02/29/2024	*Vehicle Cleaning supplies*	45.08
Hensel Hardware	02/15/2024	*Hardware for shelving line shed 7*	10.85-
Hensel Hardware	02/15/2024	*Hardware for shelving line shed 7*	6.51
Hensel Hardware	02/15/2024	*Hardware for maintenance light project*	32.44
Hensel Hardware	02/15/2024	*Hardware for maintenance light project*	8.22
Total Hensel Hardware:			142.76
Hensell Materials			
Hensell Materials	02/15/2024	*Concrete for Quagga Bollards - Credit*	35.00-
Hensell Materials	02/15/2024	*Patchcrete for inventory*	52.33
Total Hensell Materials:			17.33
Henwood Associates, Inc			
Henwood Associates, Inc	02/02/2024	*Consultant Services Agreement- Dec 2023*	1,059.85

Vendor Name	Date Paid	Description	Amount Paid
Total Henwood Associates, Inc:			1,059.85
Humboldt County Clerk-Recorder			
Humboldt County Clerk-Recorder	02/14/2024	*Notice of Exemption - CEQA Samoa Reservoir Seismic Retrofit P*	50.00
Humboldt County Clerk-Recorder	02/14/2024	*Notice of Exemption - CEQA Samoa Reservoir Seismic Retrofit P*	50.00
Humboldt County Clerk-Recorder	02/14/2024	*Notice of Exemption - CEQA OSHG Project*	50.00
Total Humboldt County Clerk-Recorder:			150.00
Humboldt County Treasurer			
Humboldt County Treasurer	02/15/2024	*Capital Financing Project*	45,611.43
Total Humboldt County Treasurer:			45,611.43
Humboldt Fasteners			
Humboldt Fasteners	02/16/2024	*Compartment box for medium voltage supply*	70.51
Humboldt Fasteners	02/29/2024	*Cordless tool purchase*	646.62
Humboldt Fasteners	02/29/2024	*Cordless tool purchase*	216.22
Total Humboldt Fasteners:			933.35
Humboldt Redwood Company, LLC			
Humboldt Redwood Company, LLC	02/15/2024	*Mt Pierce Lease site*	320.59
Total Humboldt Redwood Company, LLC:			320.59
Hummel Tire & Wheel			
Hummel Tire & Wheel	02/29/2024	*Steer tires & rear axle tire rotation for Unit #5*	1,573.23
Total Hummel Tire & Wheel:			1,573.23
Ian Ivey			
Ian Ivey	02/07/2024	*Per Diem - Travel for T5 Operator Certification*	259.94
Total Ian Ivey:			259.94
Johnson's Mobile Rentals LLC			
Johnson's Mobile Rentals LLC	02/15/2024	*Temporary fence rental for TRF Tesla Battery Project*	232.74
Total Johnson's Mobile Rentals LLC:			232.74
Josiah Hargadon			
Josiah Hargadon	02/05/2024	*Per Diem for Maintenance at Ruth*	75.00
Total Josiah Hargadon:			75.00
JTN Energy, LLC			
JTN Energy, LLC	02/02/2024	*Consultant Services Agreement - Dec 2023*	1,059.85
Total JTN Energy, LLC:			1,059.85
Keenan Supply			
Keenan Supply	02/15/2024	*6" dismanting joint for Samoa 6" meter manifold*	802.72
Keenan Supply	02/15/2024	*6" dismanting joint for Samoa 6" meter manifold*	17.17
Keenan Supply	02/29/2024	*Stainless bolt kits for Blue Lake meter installation*	186.74

Vendor Name	Date Paid	Description	Amount Paid
Total Keenan Supply:			1,006.63
Kernen Construction			
Kernen Construction	02/15/2024	*3/4 recycled base for road repairs in park 4*	477.62
Kernen Construction	02/15/2024	*Base Gravel for Ruth Hydro access road*	179.34
Kernen Construction	02/29/2024	*Recycle base for park 4 access roads*	260.82
Total Kernen Construction:			917.78
Layne Christensen Company			
Layne Christensen Company	02/05/2024	*Collector 2 Rehab work - Nov 27, 2023 - Feb 2, 2024*	12,096.56
Layne Christensen Company	02/05/2024	*Collector 2 Rehab work - Retention Release*	123,377.92
Total Layne Christensen Company:			135,474.48
McMaster-Carr Supply			
McMaster-Carr Supply	02/15/2024	*Shear pins for industrial water station screens*	104.34
Total McMaster-Carr Supply:			104.34
Mendes Supply Company			
Mendes Supply Company	02/29/2024	*Essex Supplies*	137.69
Mendes Supply Company	02/29/2024	*Essex Supplies*	76.50
Mendes Supply Company	02/29/2024	*Janitorial supplies for Main Office*	112.64
Total Mendes Supply Company:			326.83
Miller Farms Nursery			
Miller Farms Nursery	02/15/2024	*2" Honda pump*	592.61
Miller Farms Nursery	02/29/2024	*Annual weed-eater maintenance*	120.51
Total Miller Farms Nursery:			713.12
Mission Linen			
Mission Linen	02/02/2024	*Uniform Rental*	92.26
Mission Linen	02/02/2024	*maintenance supplies*	80.54
Mission Linen	02/02/2024	*maintenance supplies*	22.57
Mission Linen	02/02/2024	*maintenance supplies*	53.47
Mission Linen	02/02/2024	*Uniform Rental*	93.47
Mission Linen	02/02/2024	*maintenance supplies*	56.50
Mission Linen	02/02/2024	*maintenance supplies*	53.47
Mission Linen	02/02/2024	*maintenance supplies*	11.28
Total Mission Linen:			463.56
Napa Auto Parts			
Napa Auto Parts	02/15/2024	*Headlight for Unit #1*	27.31
Napa Auto Parts	02/15/2024	*Headlight for Unit #1*	27.31-
Napa Auto Parts	02/15/2024	*Headlight for Unit #1*	21.12
Napa Auto Parts	02/15/2024	*Annual vehicle service for Unit 13*	13.01
Napa Auto Parts	02/15/2024	*Fuel Filter for Ditch Witch*	11.91
Napa Auto Parts	02/15/2024	*Annual vehicle service for Unit 13*	26.02
Napa Auto Parts	02/15/2024	*Tire valve extension & tire gauge*	178.04
Napa Auto Parts	02/29/2024	*Fleet service items*	73.58
Napa Auto Parts	02/29/2024	*Fleet detailing supplies*	35.76

Vendor Name	Date Paid	Description	Amount Paid
Total Napa Auto Parts:			359.44
NHA Advisors, LLC			
NHA Advisors, LLC	02/29/2024	*Professional Services for Financial Assistance & Capital Fundin*	3,375.00
Total NHA Advisors, LLC:			3,375.00
North Coast Journal, Inc			
North Coast Journal, Inc	02/07/2024	*SOQ for 3x Tank Seismic Retro Project*	56.00
North Coast Journal, Inc	02/07/2024	*SOQ for 3x Tank Seismic Retro Project*	112.00
Total North Coast Journal, Inc:			168.00
North Coast Laboratories			
North Coast Laboratories	02/07/2024	*lab tests - Humboldt Bay Retail*	1,855.00
North Coast Laboratories	02/07/2024	*lab tests - Humboldt Bay Retail*	260.00
North Coast Laboratories	02/07/2024	*lab tests - Humboldt Bay Retail*	110.00
North Coast Laboratories	02/07/2024	*lab tests - Fieldbrook-Glendale CSD*	110.00
North Coast Laboratories	02/07/2024	*lab tests - Humboldt Bay Retail*	110.00
North Coast Laboratories	02/07/2024	*lab tests - Fieldbrook-Glendale CSD*	110.00
North Coast Laboratories	02/07/2024	*lab tests - Fieldbrook-Glendale CSD*	110.00
North Coast Laboratories	02/07/2024	*lab tests - Humboldt Bay Retail*	110.00
Total North Coast Laboratories:			2,775.00
Northern California Safety Consortium			
Northern California Safety Consortium	02/15/2024	*monthly membership fee - Feb 2024*	75.00
Total Northern California Safety Consortium:			75.00
NTU Technologies, Inc			
NTU Technologies, Inc	02/29/2024	*TRF Treatment Chemical*	3,526.40
NTU Technologies, Inc	02/29/2024	*TRF chemical supplies*	1,647.00
Total NTU Technologies, Inc:			5,173.40
Occ. Health Service of Mad River			
Occ. Health Service of Mad River	02/29/2024	*Annual Hearing and Respirator Exam*	201.25
Occ. Health Service of Mad River	02/29/2024	*Annual Hearing and Respirator Exam*	201.25
Occ. Health Service of Mad River	02/29/2024	*Annual Hearing and Respirator Exam*	201.25
Occ. Health Service of Mad River	02/29/2024	*DMV physical*	236.25
Occ. Health Service of Mad River	02/29/2024	*Annual Hearing and Respirator Exam*	201.25
Occ. Health Service of Mad River	02/29/2024	*Annual Hearing and Respirator Exam*	201.25
Occ. Health Service of Mad River	02/29/2024	*Annual Hearing and Respirator Exam*	201.25
Total Occ. Health Service of Mad River:			1,443.75
O'Connor & Company			
O'Connor & Company	02/05/2024	*State Controller's Report 2023*	1,200.00
Total O'Connor & Company:			1,200.00
Optimum			
Optimum	02/02/2024	*Essex internet*	251.56
Optimum	02/02/2024	*Essex Phones*	57.08
Optimum	02/02/2024	*Eureka Internet*	209.45

Vendor Name	Date Paid	Description	Amount Paid
Optimum	02/02/2024	*Fieldbrook-Glendale CSD Internet*	333.36
Optimum	02/02/2024	*TRF Internet*	29.93
Optimum	02/02/2024	*TRF Internet - Blue Lake SCADA Monitoring*	59.84
Optimum	02/02/2024	*TRF Internet - Fieldbrook-Glendale CSD*	59.84
Total Optimum:			1,001.06
Pacific Gas & Electric Co.			
Pacific Gas & Electric Co.	02/05/2024	*Eureka Office*	231.48
Pacific Gas & Electric Co.	02/05/2024	*Jackson Ranch Rectifier*	21.39
Pacific Gas & Electric Co.	02/05/2024	*HWY 299 Rectifier*	50.70
Pacific Gas & Electric Co.	02/05/2024	*West End Road Rectifier*	221.61
Pacific Gas & Electric Co.	02/05/2024	*TRF*	10,991.10
Pacific Gas & Electric Co.	02/05/2024	*Ruth Hydro Valve Control*	36.17
Pacific Gas & Electric Co.	02/05/2024	*Ruth Hydro*	31.31
Pacific Gas & Electric Co.	02/05/2024	*Samoa Booster Pump Station*	672.76
Pacific Gas & Electric Co.	02/05/2024	*Samoa Dial Station*	66.58
Pacific Gas & Electric Co.	02/29/2024	*Essex Pumping Jan 2024*	5,417.40
Pacific Gas & Electric Co.	02/29/2024	*Essex Pumping Jan 2024*	1,508.32
Pacific Gas & Electric Co.	02/29/2024	*Essex Pumping Jan 2024*	70,725.97
Pacific Gas & Electric Co.	02/29/2024	*Ruth HQ*	163.03
Pacific Gas & Electric Co.	02/29/2024	*Ruth Bunkhouse*	83.38
Total Pacific Gas & Electric Co.:			90,221.20
Pacific Paper Co./Arcata Stationers			
Pacific Paper Co./Arcata Stationers	02/29/2024	*Eureka office copier paper & supplies*	309.77
Total Pacific Paper Co./Arcata Stationers:			309.77
Peterson			
Peterson	02/07/2024	*Cat 420D parking brake lining*	185.12
Total Peterson:			185.12
Picky, Picky, Picky, Inc			
Picky, Picky, Picky, Inc	02/15/2024	*Safety Boots - J. Klingonsmith*	152.94
Total Picky, Picky, Picky, Inc:			152.94
Pitney Bowes Global Financial Services			
Pitney Bowes Global Financial Services	02/29/2024	*postage meter lease - Jan 20, 2024 - April 19, 2024*	208.64
Total Pitney Bowes Global Financial Services:			208.64
Platt Electric Supply			
Platt Electric Supply	02/29/2024	*Underground power to Collector 2 - Credit*	1,036.39-
Platt Electric Supply	02/29/2024	*Maintenance & Repairs - Credit*	510.83-
Platt Electric Supply	02/29/2024	*Essex lighting replacement*	256.04
Platt Electric Supply	02/29/2024	*Electrical shop supplies*	50.76
Platt Electric Supply	02/29/2024	*Electrical shop supplies*	1,338.24
Platt Electric Supply	02/29/2024	*Electrical shop supplies*	79.62
Platt Electric Supply	02/29/2024	*Electrical shop supplies*	265.82
Total Platt Electric Supply:			443.26

Vendor Name	Date Paid	Description	Amount Paid
Points West Surveying Co			
Points West Surveying Co	02/07/2024	*Slide monitoring survey PO #24-0036*	6,600.00
Total Points West Surveying Co:			6,600.00
Purchase Power			
Purchase Power	02/12/2024	*Postage Refill*	503.50
Total Purchase Power:			503.50
Recology Arcata			
Recology Arcata	02/07/2024	*Essex Garbage/Recycling Service - Jan 2024*	777.72
Total Recology Arcata:			777.72
Recology Humboldt County			
Recology Humboldt County	02/07/2024	*Eureka office garbage/recycling service - Jan 2024*	105.52
Total Recology Humboldt County:			105.52
SCBA Safety Check, Inc			
SCBA Safety Check, Inc	02/29/2024	*Annual flow test of Avon SCBA #4 & #5*	165.93
SCBA Safety Check, Inc	02/16/2024	*Annual test of Avon SCBA's unit 2 & 3*	165.93
Total SCBA Safety Check, Inc:			331.86
Thatcher Company, Inc			
Thatcher Company, Inc	02/29/2024	*TRF chemicals*	6,055.65
Thatcher Company, Inc	02/29/2024	*TRF chemicals*	15,019.39
Thatcher Company, Inc	02/29/2024	*Chlorine - 2 CYL*	8,755.19
Thatcher Company, Inc	02/29/2024	*deposit return - 2 CYL*	2,000.00-
Total Thatcher Company, Inc:			27,830.23
The Mill Yard			
The Mill Yard	02/15/2024	*Lumber for Line Shed 7 shelving*	151.55
The Mill Yard	02/15/2024	*Hardware for Line Shed 7*	24.25
The Mill Yard	02/15/2024	*Hardware for Board Room picture rails*	33.61
The Mill Yard	02/15/2024	*Tie down straps for Unit #8*	9.94
The Mill Yard	02/29/2024	*Hardware for Ruth relay replacement*	27.13
The Mill Yard	02/29/2024	*Drill bits*	20.69
The Mill Yard	02/29/2024	*Tools*	65.07
Total The Mill Yard:			332.24
The Mitchell Law Firm, LLP			
The Mitchell Law Firm, LLP	02/07/2024	*Legal Services- Jan 2024*	598.50
Total The Mitchell Law Firm, LLP:			598.50
The Party Place			
The Party Place	02/16/2024	*Table rental for Instream Flow Meeting*	246.65
Total The Party Place:			246.65
Thrifty Supply			
Thrifty Supply	02/15/2024	*8" SDR 35 pipe for valve risers*	285.14

Vendor Name	Date Paid	Description	Amount Paid
Total Thrifty Supply:			285.14
Trinity County General Services			
Trinity County General Services	02/15/2024	*Pickett Peak site lease*	257.50
Total Trinity County General Services:			257.50
Trinity County Solid Waste			
Trinity County Solid Waste	02/15/2024	*Ruth HQ dump fees*	14.75
Trinity County Solid Waste	02/15/2024	*Ruth Hydro dump fees*	14.75
Total Trinity County Solid Waste:			29.50
U.S. Bank Corporate Payment System			
U.S. Bank Corporate Payment System	02/08/2024	*Shop tool replacements*	42.46
U.S. Bank Corporate Payment System	02/08/2024	*Electric concrete chainsaw*	2,343.07
U.S. Bank Corporate Payment System	02/08/2024	*Connect new Unit 2 power monitor*	64.02
U.S. Bank Corporate Payment System	02/08/2024	*Essex office supplies*	149.32
U.S. Bank Corporate Payment System	02/08/2024	*Spendwise Monthly Subscription*	79.70
U.S. Bank Corporate Payment System	02/08/2024	*Airmed Membership - 1 Employee*	79.00
U.S. Bank Corporate Payment System	02/08/2024	*Employment Ad for Accounting Tech I*	85.00
U.S. Bank Corporate Payment System	02/08/2024	*Eureka office supplies*	134.80
U.S. Bank Corporate Payment System	02/08/2024	*Employment Ad for Accounting Tech I*	60.00
U.S. Bank Corporate Payment System	02/08/2024	*Online testing for Accounting Tech I*	30.00
U.S. Bank Corporate Payment System	02/08/2024	*Online testing for Accounting Tech I*	30.00
U.S. Bank Corporate Payment System	02/08/2024	*Employee Retirement Recongnition*	380.19
U.S. Bank Corporate Payment System	02/08/2024	*Essex computer monitor*	381.41
U.S. Bank Corporate Payment System	02/08/2024	*Irritant smoke test kit*	72.83
U.S. Bank Corporate Payment System	02/08/2024	*SDS product identifier labels for SDS binders - Refund*	95.83-
U.S. Bank Corporate Payment System	02/08/2024	*Essex office supplies*	43.90
U.S. Bank Corporate Payment System	02/08/2024	*Adjustable Trailer Hitch*	175.08
U.S. Bank Corporate Payment System	02/08/2024	*Computer cable & Ethernet switch*	59.22
U.S. Bank Corporate Payment System	02/08/2024	*Power probe clip set*	15.04
U.S. Bank Corporate Payment System	02/08/2024	*Heating element for parts washer*	268.29
U.S. Bank Corporate Payment System	02/08/2024	*Lunch for crew removing down trees & repairing power lines*	124.69
U.S. Bank Corporate Payment System	02/08/2024	*GHS product identifier labeling*	98.78
U.S. Bank Corporate Payment System	02/08/2024	*Medium voltage repair supplies*	76.94
U.S. Bank Corporate Payment System	02/08/2024	*Medium voltage repair supplies*	65.69
U.S. Bank Corporate Payment System	02/08/2024	*Medium voltage repair supplies*	44.91
U.S. Bank Corporate Payment System	02/08/2024	*Water Systems Operations & Maintenance video training series*	197.25
U.S. Bank Corporate Payment System	02/08/2024	*Back-up processor for Ruth Hydro PLC*	1,131.38
U.S. Bank Corporate Payment System	02/08/2024	*Adobe Subscription - Refund*	239.88-
U.S. Bank Corporate Payment System	02/08/2024	*Framing for Board President Photo*	165.81
U.S. Bank Corporate Payment System	02/08/2024	*ACWA 2024 Spring Conference - J. Friedenbach*	840.00
Total U.S. Bank Corporate Payment System:			6,903.07
USA Blue Book			
USA Blue Book	02/29/2024	*Essex lab water quality instrumentation*	6,480.97
Total USA Blue Book:			6,480.97
VALEO Networks			
VALEO Networks	02/15/2024	*Eureka office monthly computer maintenance*	1,954.79

Vendor Name	Date Paid	Description	Amount Paid
Total VALEO Networks:			1,954.79
Valley Pacific Petroleum Serv. Inc			
Valley Pacific Petroleum Serv. Inc	02/05/2024	*Cardlock - Pumping & Control*	665.45
Valley Pacific Petroleum Serv. Inc	02/05/2024	*Cardlock - Water Quality*	665.45
Valley Pacific Petroleum Serv. Inc	02/05/2024	*Cardlock - Maintenance*	665.45
Valley Pacific Petroleum Serv. Inc	02/05/2024	*Cardlock - HB Retail*	173.02
Valley Pacific Petroleum Serv. Inc	02/05/2024	*Cardlock - FBGCSD Retail*	492.41
Valley Pacific Petroleum Serv. Inc	02/16/2024	*Gas for Ruth HQ*	522.96
Valley Pacific Petroleum Serv. Inc	02/16/2024	*Gas for Ruth HQ*	522.95
Valley Pacific Petroleum Serv. Inc	02/16/2024	*DOT Salvage drums*	163.88
Total Valley Pacific Petroleum Serv. Inc:			3,871.57
Vander R Simmons			
Vander R Simmons	02/15/2024	*Phase 11 Picket Creek Area - Calfire Fuel Reduction #24-0885*	37,500.00
Vander R Simmons	02/15/2024	*Phase 12 Picket Creek Area - Calfire Fuel Reduction #24-0885*	37,500.00
Total Vander R Simmons:			75,000.00
Verizon Wireless			
Verizon Wireless	02/16/2024	*General Manager*	39.60
Verizon Wireless	02/16/2024	*Ruth Area*	26.01
Verizon Wireless	02/16/2024	*Humboldt Bay Retail*	13.14
Verizon Wireless	02/16/2024	*Fieldbrook Glendale CSD*	37.40
Verizon Wireless	02/16/2024	*Humboldt Bay IPAD*	9.88
Verizon Wireless	02/16/2024	*Fieldbrook Glendale CSD IPAD*	28.13
Verizon Wireless	02/16/2024	*Ruth Area*	23.26
Verizon Wireless	02/16/2024	*Ruth Hydro*	23.27
Total Verizon Wireless:			200.69
Wahlund Construction			
Wahlund Construction	02/16/2024	*12 KV Power/Pole Inspection/Maintenance*	10,755.67
Total Wahlund Construction:			10,755.67
Watt's Cleaning Services			
Watt's Cleaning Services	02/05/2024	*Eureka Office Cleaning 1/10 & 1/24/24*	278.00
Total Watt's Cleaning Services:			278.00
Wiyot Tribe Cultural Department			
Wiyot Tribe Cultural Department	02/05/2024	*CDP for Industrial Tank Retrofit*	30.00
Total Wiyot Tribe Cultural Department:			30.00
Grand Totals:			577,410.97

HUMBOLDT BAY MUNICIPAL WATER DISTRICT

SUPPLEMENTAL - FIELDBROOK-GLENDALE CSD CONTRACT SERVICES
MONTHLY BILLING/EXPENSE REPORT
February 29, 2024

	Month-to-Date	Year-to-Date
Contract Services Billing		
Administrative	1,194.64	9,557.12
Indirect/Overhead	946.53	7,572.24
Maintenance/Operations/Supplies	24,599.97	176,411.73
Total FB-GCSD Billing	26,741.14	193,541.09
Contract Services Expenses		
Employee Wages	13,413.53	88,552.02
Employee Benefits	7,155.70	44,500.67
Operations & Maintenance Expenses	822.41	10,600.13
General & Administrative Expenses	464.89	12,299.21
Total FB-GCSD Expenses	21,856.53	155,952.03
NET Fieldbrook Contract Services	4,884.61	37,589.06

Humboldt Bay Municipal Water District

To: Board of Directors

From: Chris Harris

Date: March 14, 2024

Re: Salary Survey Comparable Agencies

Background

In December 2023, the Board approved entering into a contract with Regional Government Services (RGS) to complete a District Salary Survey to include the following (summarized):

- Review job descriptions and compare to actual work performed by employees
- Compare District compensation and benefits to similar agencies
- Make recommendations regarding needed revisions (if any) to current staffing levels, future staffing needs, compensation, and benefits offered by the District

Current

RGS began their search for comparable agencies at a statewide level. Feedback from the District's Project Lead included: *"We all agree, HBMWD is special! It was very challenging to find agencies similar to HBMWD, even casting a statewide net"*. Criteria for the RGS selection included the following:

- Both wholesale service and retail service, including the populations served
- Type of agency
- Budget
- FTE's (Full-Time Equivalent Employees)
- Cost of living, including housing costs
- D4 & T4 Certifications

After their statewide research was complete, they had a list of twenty-five potential comparative agencies. During a more in-depth review of those agencies, fourteen were eliminated due to obvious non-comparable features (see included list of rejected agencies). The remaining eleven agencies went through a more in-depth analysis, with two more being considered "not recommended" (red on the attached chart), two agencies were considered "not ideal, but recommend use" (yellow on the attached chart) and seven agencies made the final cut (green on the attached chart). Since RGS considers seven agencies

(green) to be a "small" comparison, they are recommending that the District also include the other two (yellow) for a total of nine comparable agencies.

Staff Recommendation

Staff is providing this information to give the Directors a status update on the progress of the Salary Survey. No action is required at this time.

Attachments

Final Suggested Comparable Agencies
Agencies Rejected as Not Comparable

FY24 Humboldt Bay Municipal Water District Salary Survey, Comparable Agencies

	Wholesale Sites	City, Co or Separate	Cost of Living [1]	Cost of Housing [2]	Wholesale Population Served [3]	Retail Population Served [3]	Total Population Served [3]	Alloc Perm FTEs	Budget	Classes w/D4	Classes w/T4	Total	Notes
HBMWD	7	Sep	108	132	75,000	13,000	88,000	28.0	$20,802,124	5	4	45	
		Updated amounts, provided by staff			*90,000*	*4,000*	*94,000*						

	Wholesale Sites	City, Co or Sep	Cost of Living [1]	Cost of Housing [2]	Wholesale Population Served	Retail Population Served	Total Population Served	Alloc Perm FTEs	Budget	Classes w/D4	Classes w/T4	ng Criteria	Notes
Amador Water Agency	6+	Sep	111	120	Unk	Unk	10,000	40.0	$12,366,600	1	1		Wholesale, retail, wastewater, storm drain services. D-4 in one class, T-4 in one class
Match Points	5	5	5	5		3		5	5	1	1	35	
Monte Vista Water District	1	Sep	119	151	77,058	56,422	133,480	41.5	$29,104,595	2	0		Wholesale, retail water customers. D4 in one class, D5 in one class, max T3.
Match Points	0	5	5	3		5		5	5	3	0	31	
San Juan Water District	5	Sep	127	167	111,659	29,712	141,371	50.1	$66,423,600	5	2		Wholesale and retail
Match Points	3	5	3	1		3		3	3	5	3	29	
Kern County Water Agency	13	Sep	100	97	185,000	N/A	185,000	32.0	$494,500,000	2	2		Wholesale only
Match Points	0	5	5	5		1		5	0	3	3	27	
Inland Empire Utilities	7	Sep	119	151	Unk	Unk	935,000	340.0	$429,100,000	2	4		Wholesale, retail, wastewater treatment
Match Points	5	5	5	3		0		0	0	3	5	26	
South San Joaquin Irr District	3	Sep	125	163	216,000	N/A	216,000	117.0	$13,310,634	0	2		Wholesale only - at least 2 classes req a T4 - those are req'd to have a D3.
Match Points	1	5	3	1		0		0	5	0	3	18	
Placer Co Water Agency	3+	Sep	139	211	Unk	41,000	41000+	234.0	$164,900,000	2	1		Wholesale, retail, power generation. Population = retail customers only
Match Points	3	5	1	0		5		0	0	2	1	17	
Sonoma County Water Agency	9	Sep	152	253	735,000	N/A	735,000	200.0	$71,900,000	2	0		Wholesale, flood control, wastewater. D4 in one class, D5 in one class
Match Points	3	5	1	0		0		0	3	3	0	15	
Muni Water Dist of Orange Co	27	Sep	165	298	Unk	Unk	3,200,000	50.0	$226,212,248	2	2		Wholesale and resource planning agency.
Match Points	0	5	0	0		0		3	0	3	3	14	
Zone 7 (Alameda County)	4	Co	155	377	Unk	Unk	260,000	122.0	$149,523,000	2	2		Dependent special district under Alameda Co. Flood Control and Water Conservation District Act. 2 classes req. T5 Cert.
Match Points	3	0	0	0		0		0	0	3	3	9	
San Diego County Water Authority	24	Sep	155	260	Unk	Unk	3,300,000	250.0	$1,700,000,000	1	0		An Independent public agency that serves as San Deigo County's regional water wholesaler.
Match Points	0	5	0	0		0		0	0	1	0	6	

1 Cost of Living: Numbers based on the U.S. Overall Cost of Living = 100 (CA Cost of Living = 150)
2 Cost of Housing: Numbers based on U.S. Cost of Housing = 100 (CA Cost of Housing = 235)
3 Populations Served are estimates

SECTION 10.2.d PAGE NO. 3

FY24 Humboldt Bay Municipal Water District Salary Survey, Comparable Agencies

Rating Criteria for Comparable Agencies

Wholesale Sites: Number of Sites: 6-8 = 5; 4-5 or 9-10; = 3, 2-4 or 11-12; = 1; Other = 0

Agency Type: Separate agency = 5, City or County Agency = 0

Cost of Living: Cost of Living: 108 +/- 15 = 5, 108 +/- 30 = 3, 108 +/- 45 = 1, otherwise 0

Cost of Housing: Cost of Housing: 131.5 +/-15 = 5, 100+/-30 = 3, 100+/-45 = 1, otherwise 0 (Based on County location)

FTE's: FTE's: 28 +/- 20 = 5, 28 +/- 40 = 3, 28 + 72 = 1, >100 = 0

Population: Population: 88000 +/- 50,000 = 5, 88,000 +/- 80,000 = 3, 88000 +/- 100,000 = 1, >188,000 = 0

Budget: Budget: 20,000 +/- = 5, 55,000 +/- = 3, 85,000 +/- = 1, >/< 85,000 +/- = 0

Certification: D4/T4 Certs req'd (must have at least 1 of either): 3+ classes = 5, 2 classes = 3, 1 class, 0 classes = 0

Agencies Reviewed, but Rejected as Not Comparable	
Butte County (Chico)	No Wholesale - South Feather Water & Power Agency – Cal Water provides majority of retail.
Calaveras County	No wholesale - all small agencies
Colusa County (Colusa)	Colusa County Water District, Non-Potable Water, Several Districts use wells.
Fresno County (Fresno)	All agencies use wells from Fresno Sole Source Aquifer
Lake County (Lakeport)	No wholesale, all small agencies
Madera Irrigation District	No wholesale, well water, T1 only
Mariposa County (Mariposa)	No wholesale - Mariposa Public Utilities District - Small agency
Merced County (Merced)	Mostly groundwater/agriculture use or small districts on wells
Plumas County (Portola)	Plumas Co Flood Control/water conservation district delivers municipal and irrigation water supplies - no water emps/no D4 or T4 classes
Shasta County – Redding	Shasta County Water Agency - no D4 or T4 requirements - Co special district / ~150 other small non-comparable agencies
Stanislaus County (Modesto)	No wholesale - Stanislaus Regional Water Authority - direct water customers; Modesto Irrigation District - direct water customers - community owned/not-for-profit; City of Modesto - draws water from 77 wells and 12 water tanks - direct water customers
Sutter County (Yuba)	No wholesale - Yuba City Utilities - obtains water through four different permits/contracts
Tehama County	No wholesale - 10 small water agencies
Yuba County - Marysville	Wholesale only - Yuba Water Agency

OPERATIONS

Memo to: HBMWD Board of Directors
From: Dale Davidsen, Superintendent
Date: March 1, 2024
Subject: Essex/Ruth February 2024 Operational Report

Upper Mad River, Ruth Lake, and Hydro Plant

1. Flow at Mad River above Ruth Reservoir (Zenia Bridge) averaged 961 cfs with a high of 2630 cfs on February 20th and a low of 311 cfs on February 28th

2. The conditions at Ruth Lake for February were as follows:
   The lake level on February 29th was 2654.80 feet which is:

   - 0.78 feet lower than January 31st, 2024
   - 1.52 feet higher than February 28th, 2023
   - 1.68 feet higher than the ten-year average
   - 0.80 feet above the spillway

3. Ruth Headquarters recorded 15.96 inches of rainfall for February

4. Ruth Hydro produced 856800 KWh in February. There was 1 planned shutdown for maintenance, with estimated 33020 KWh lost production.

5. The lake discharge averaged 1295 cfs with a high of 3209 cfs on February 20th

Lower Mad River, Winzler Control, and TRF

6. The river at Winzler Control Center, for February, had an average flow of 4835 cfs. The river flow was at a high of 8920 cfs on February 1st

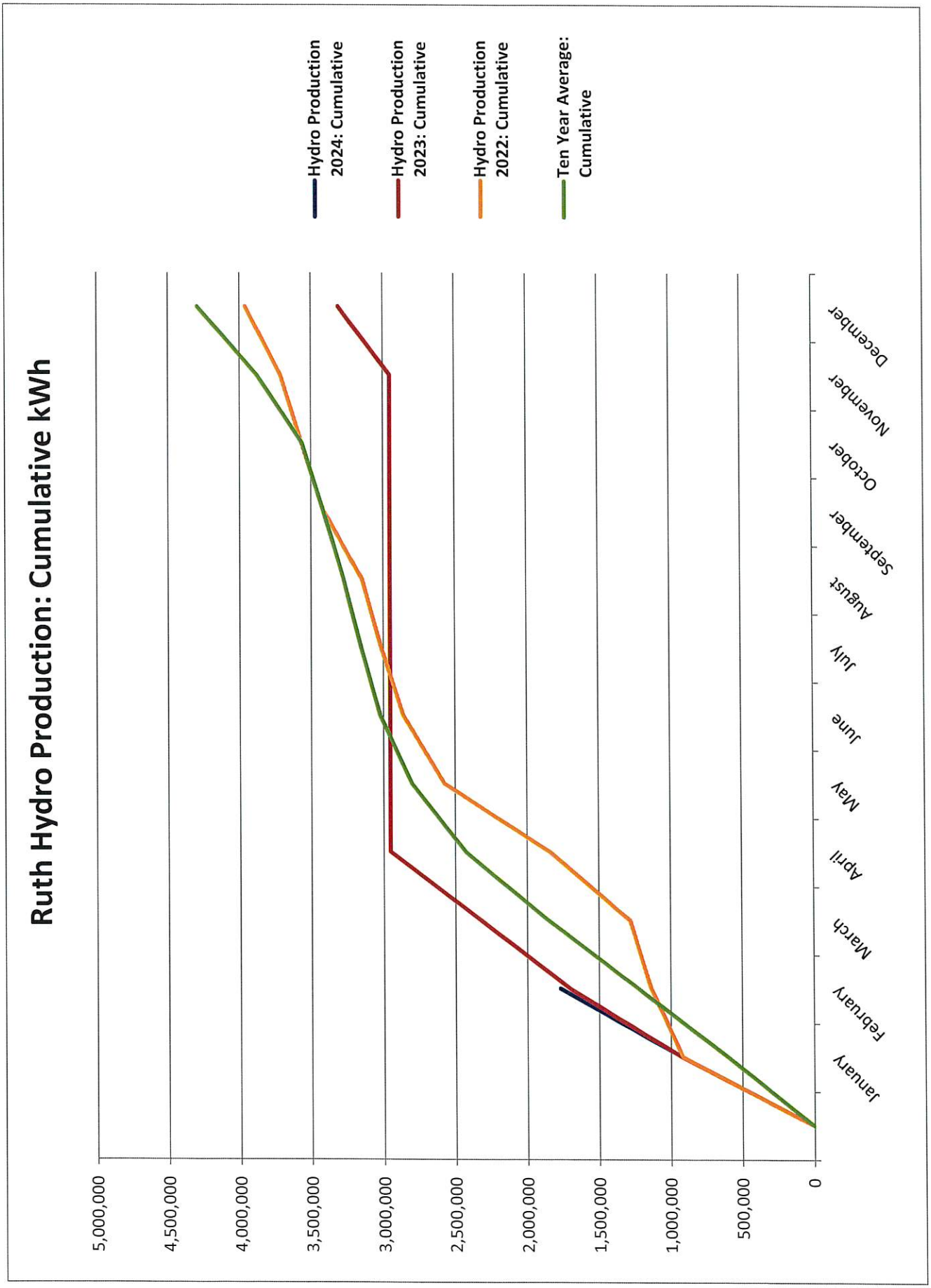
7. The domestic water conditions were as follows:

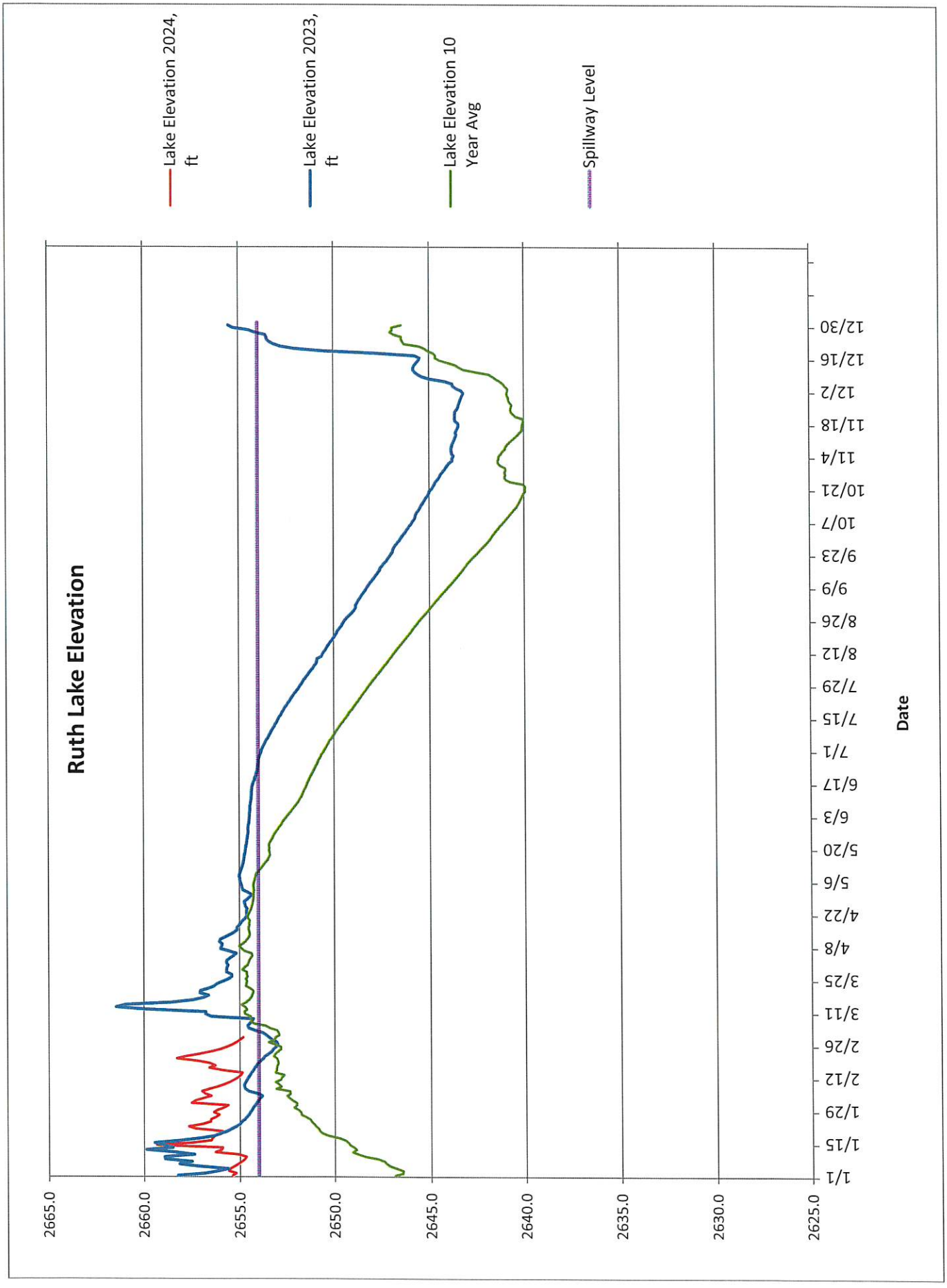
   a. The domestic water turbidity average was 0.07 NTU, which meets Public Health Secondary Standards
   b. As of February 29th, we pumped 211.322 MG at an average of 7.158 MGD
   c. The maximum metered daily municipal use was 8.033 MG on February 25th

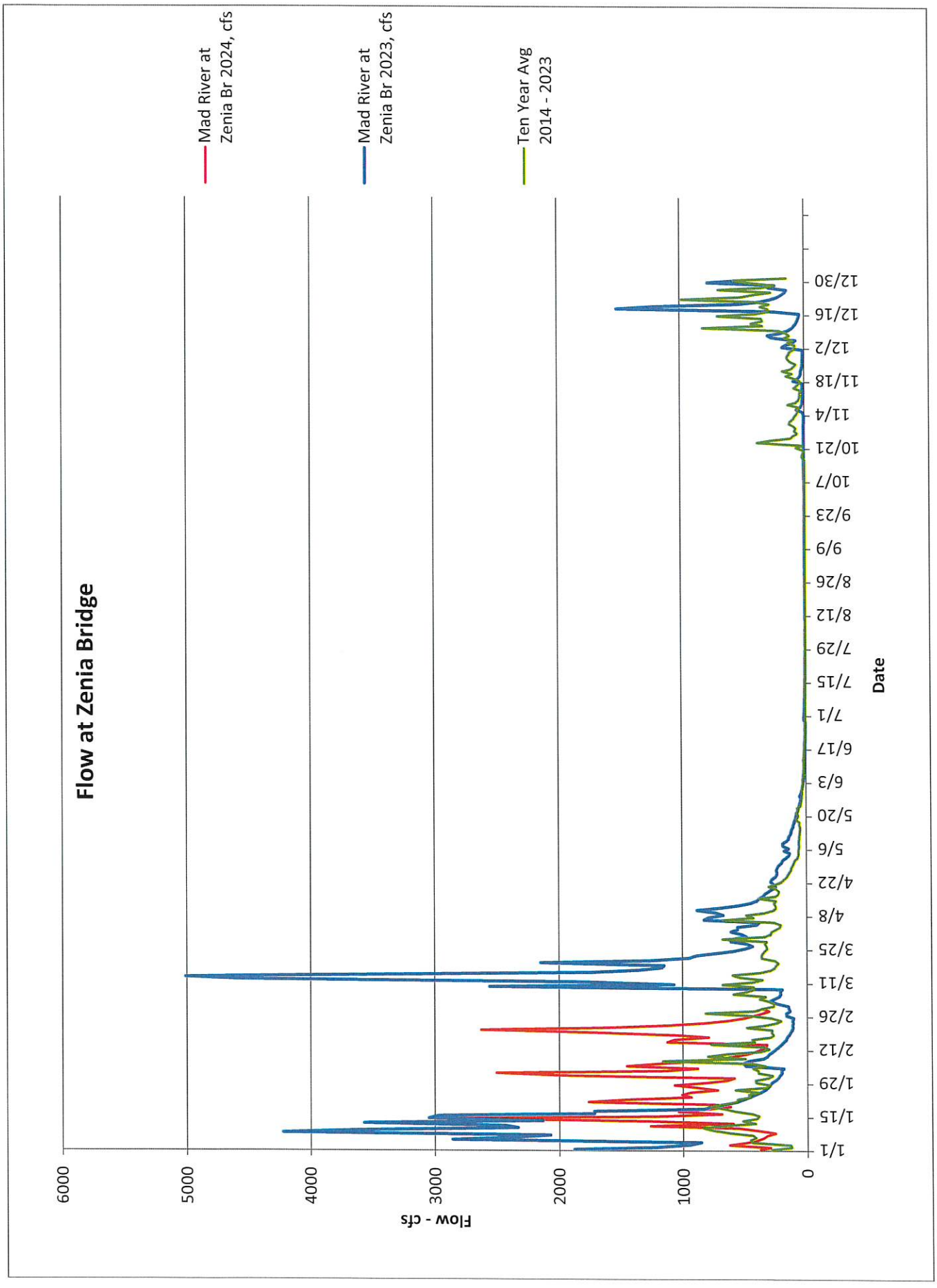
8. The TRF is online; conditions for February were as follows:

   a. Average monthly source water turbidity was 5.43 NTU
   b. Average monthly filtered water turbidity was 0.06 NTU
   c. Number of filter backwashes for the month was 80

9. February 1st – Washout on (NNB) New Navy Base Rd. getting worse. Pipeline exposed.
10. February 6th – The slide on the USFS Rd. past the dam slid again. The USFS is getting the contractor back up there to clear it.
11. February 7th – 90 BIT inspections.
12. February 8th – High Tide is continuing to erode the sand over the pipeline on NNB Rd. Talked to Humboldt County Roads supervisor. They are planning to start repairs on the 13th, weather permitting.
13. February 9th
    a. Salary Survey orientation
    b. Maintenance trimmed the trees by the I/W reservoir and repaired vandalized fence around the reservoir.
    c. A server crashed at Essex. This caused a major operations issue for the weekend.
14. February 12th
    a. Operations supervisor and electrical staff working to resolve server issue.
    b. Maintenance removed Blue Lake meter
15. February 13th – Humboldt County Roads, placed sand, K-rail, Geotech cloth and rip-rap at washout on NNB Rd.
16. February 15th - 17th – Electrical staff installed new 59N Ground overvoltage relay at Ruth and PG&E did PPI.
17. February 16th & 22nd – Ruth staff removed logs off log boom.
18. February 20th – 2 Essex staff went to First Aid / CPR class at NCSC.
19. February 27th-29 – Prep for incoming winter storm
20. February 29th – Safety meeting – Respiratory safety and Respirator fit testing.
21. Current and Ongoing Projects
    a. Staff completed the salary surveys
    b. Working on FY 24/25 Budget
    c. Working on CIP update
    d. Collector 2 and Collector 2-meter, Communications project – In Progress
    e. Tesla battery bank projects
        i. Essex project in progress, operational programming in process.
    f. OSHG – Equipment procurement and planning in progress. - Only the dosing pumps left to receive.
    g. Worked with Engineering on Reservoir Seismic Retro-fit planning.
    h. Routine annual equipment maintenance and services.


Ruth Hydro Production: Cumulative kWh
Hydro Production 2024: Cumulative
Hydro Production 2023: Cumulative
Hydro Production 2022: Cumulative
Ten Year Average: Cumulative
5,000,000
4,500,000
4,000,000
3,500,000
3,000,000
2,500,000
2,000,000
1,500,000
1,000,000
500,000
0
January
February
March
April
May
June
July
August
September
October
November
December


Ruth Lake Elevation
Lake Elevation 2024, ft
Lake Elevation 2023, ft
Lake Elevation 10 Year Avg
Spillway Level
2665.0
2660.0
2655.0
2650.0
2645.0
2640.0
2635.0
2630.0
2625.0
1/1
1/15
1/29
2/12
2/26
3/11
3/25
4/8
4/22
5/6
5/20
6/3
6/17
7/1
7/15
7/29
8/12
8/26
9/9
9/23
10/7
10/21
11/4
11/18
12/2
12/16
12/30
Date


Flow at Zenia Bridge
Mad River at Zenia Br 2024, cfs
Mad River at Zenia Br 2023, cfs
Ten Year Avg 2014 - 2023
Flow - cfs
0
1000
2000
3000
4000
5000
6000
Date
1/1
1/15
1/29
2/12
2/26
3/11
3/25
4/8
4/22
5/6
5/20
6/3
6/17
7/1
7/15
7/29
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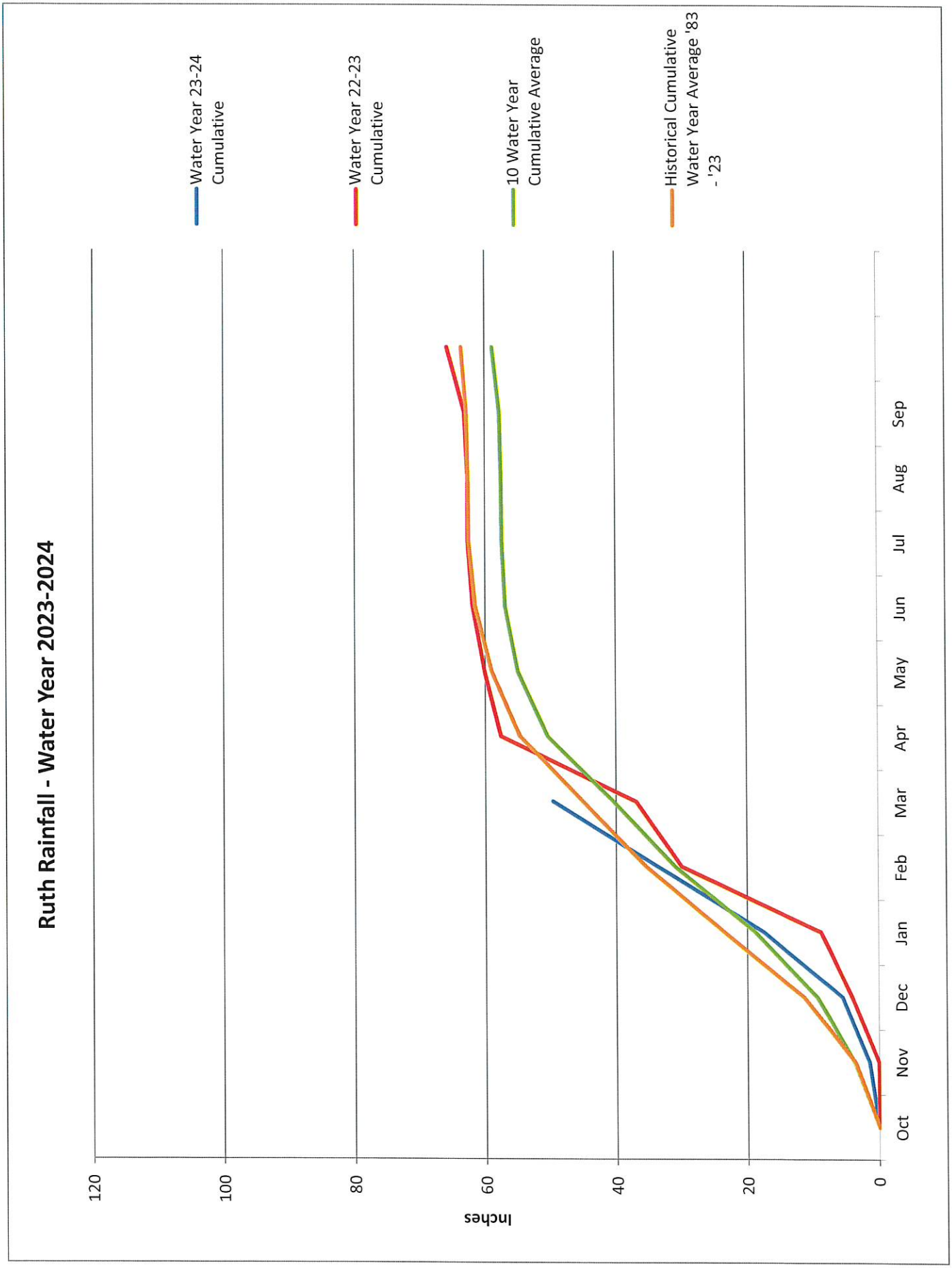
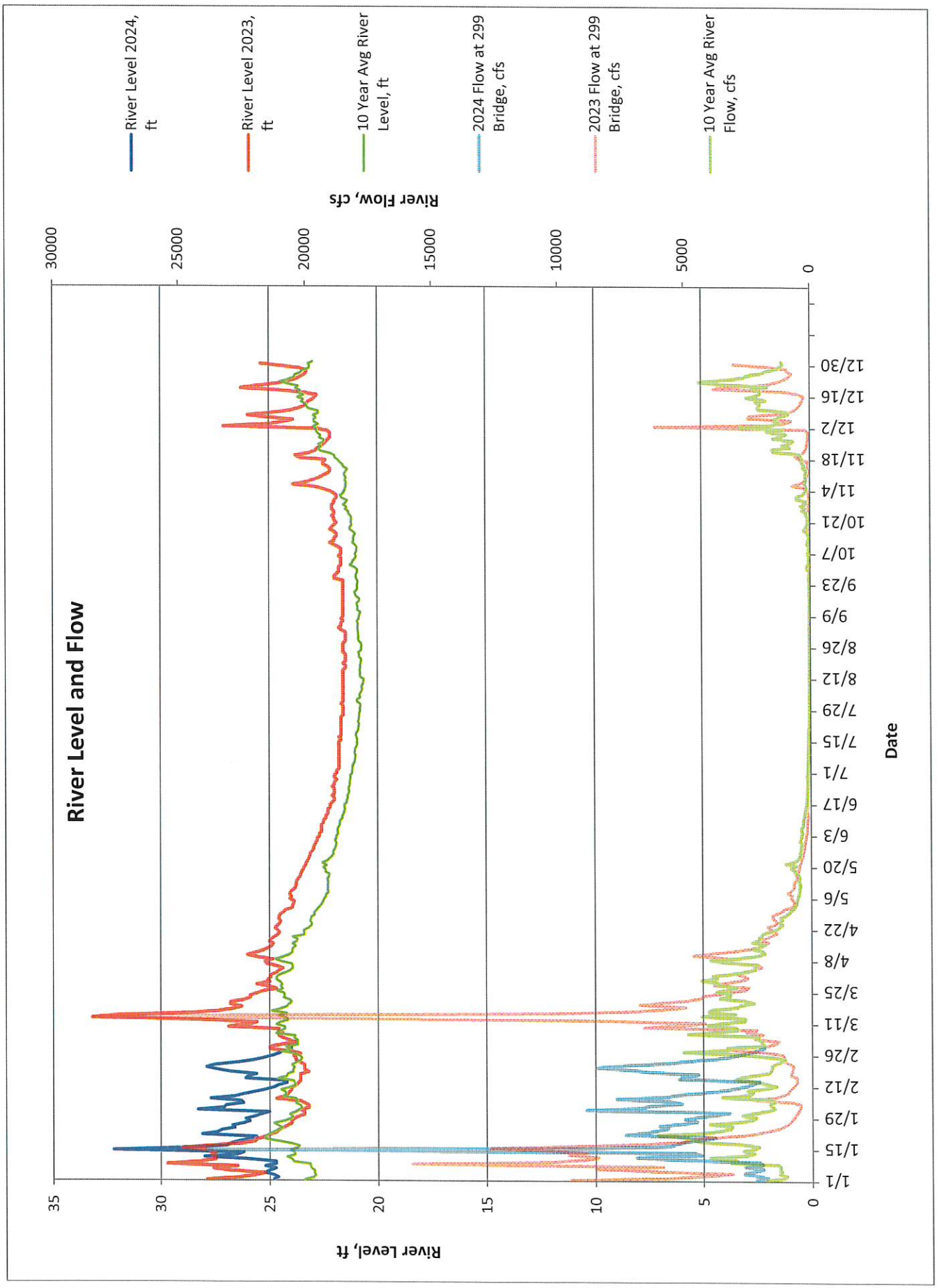
9/9
9/23
10/7
10/21
11/4
11/18
12/2
12/16
12/30


Ruth Rainfall - Water Year 2023-2024
Water Year 23-24 Cumulative
Water Year 22-23 Cumulative
10 Water Year Cumulative Average
Historical Cumulative Water Year Average '83 - '23
Inches
120
100
80
60
40
20
0
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep


River Level and Flow
River Level, ft
River Flow, cfs
Date
River Level 2024, ft
River Level 2023, ft
10 Year Avg River Level, ft
2024 Flow at 299 Bridge, cfs
2023 Flow at 299 Bridge, cfs
10 Year Avg River Flow, cfs
35
30
25
20
15
10
5
0
30000
25000
20000
15000
10000
5000
0
1/1
1/15
1/29
2/12
2/26
3/11
3/25
4/8
4/22
5/6
5/20
6/3
6/17
7/1
7/15
7/29
8/12
8/26
9/9
9/23
10/7
10/21
11/4
11/18
12/2
12/16
12/30

Memo to: Board of Directors
From: Dale Davidsen, Superintendent
Date: March 6, 2024
Subject: Surplus equipment request

The District has no need for or has replaced the following equipment. We would like to declare these items as surplus.

Techite Pipe repair supplies

1. (5) 18" Smith Blair repair coupler
2. (1) 18" x 15" Smith Blair full circle clamp
3. (1) 18" x 20" Smith Blair full circle clamp
4. (1) 18" x 25" Romac full circle clamp
5. (1) 18" x 30" Smith Blair full circle clamp
6. (1) Sigma DG18, 350 psi class 18" Ductile Iron Tee, MJ x MJ x 6" flange
   Overall length 24"

Replaced Equipment

1. (1) Hach 2100n Turbidimeter – Benchtop model

Materials left over from large project

Conduit sweeps

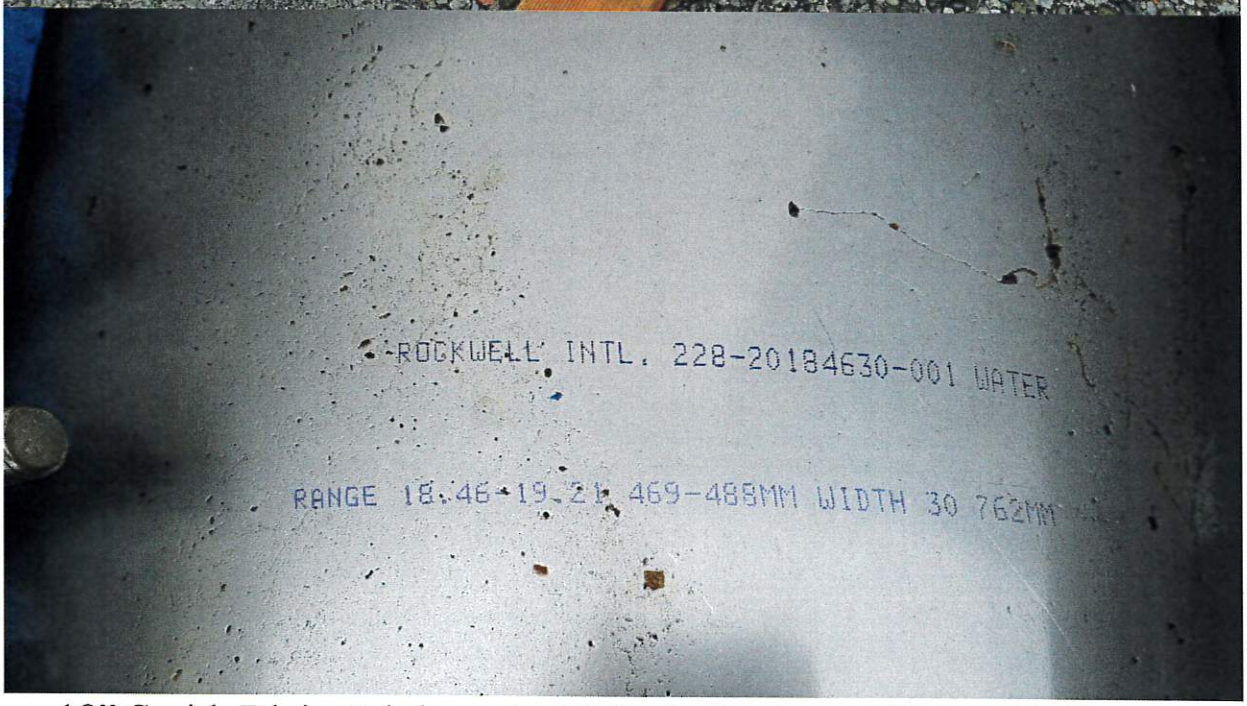
1. (5) 4" x 48" 90°
2. (2) 2" x 48" 90°
3. (1) 2" x 24" 90°

Smith-Blair repair coupler (Total of 5 count)
Estimated value new for all 5 items: $6,000.00

18" Romac full circle stainless steel clamp 25" long (x1)
Estimated value new: $650.00

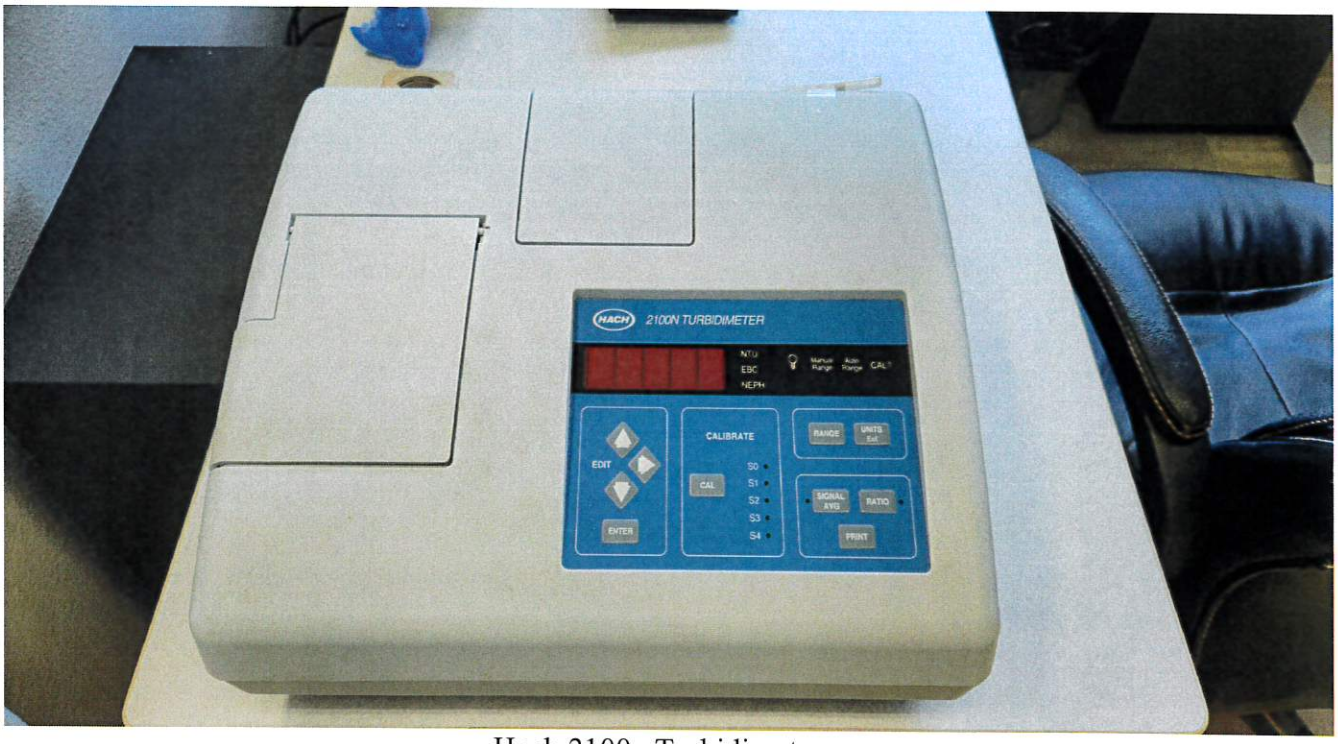
18" Smith Blair stainless steel full circle clamp 20" long (x1)
Estimate value new: $575.00

18" Smith Blair stainless steel full circle clamp 15" long (x1)
Estimated value new: $455.00



18" Smith Blair stainless steel full circle clamp 30" long (x1)
Estimate value new: $692.00

Sigma DG18, 350 psi class 18" Ductile Iron Tee, MJ x MJ x 6" flange
Overall length 24"
Estimated value new: $1,500.00



Hach 2100n Turbidimeter

Materials left over from large project

ACWA

Humboldt Bay Municipal Water District

To: Board of Directors

From: John Friedenbach

Date: March 14, 2024

Re: Supporting ACWA-Sponsored AB 2257 (Lori Wilson) to further reform Proposition 218

Discussion

The current system allows litigants opposing rate settings to avoid the administrative process and surprise agencies with a lawsuit after rates have been adopted. This ACWA-Sponsored AB 2257 bill will aid public agencies in defending against proposition 218 lawsuits by requiring litigants to participate and raise objections during the public administrative process. This proposal intends to bring to light all possible complaints and provide an opportunity to resolve a dispute and avoid litigation all together. AB 2257 hopes to build on the success of ACWA-sponsored legislation bill from 2021 which created a 120-day statute of limitations for filing lawsuits against water and sewer rates through the proposition 218 process.

Recommendation and Action

Staff recommends approval of joining the ACWA coalition to support AB 2257 and sending letters of support to Assemblyman Wood and State Senator McGuire.

LORI D. WILSON
Assemblywoman, District 11

FACT SHEET
AB 2257

SUMMARY

AB 2257 would authorize public agencies to adopt procedures for the submittal and consideration of public comments regarding proposed water or sewer rates or assessments (fees). If an agency elects to adopt procedures, a person would be required to timely submit written comments that specify the grounds for alleging that the fees do not comply with Proposition 218 in order to challenge the fees in court. Public agencies would be required to provide written responses to all comments received before acting on the proposed fees. AB 2257 would also detail documents that would comprise the administrative record in the event of litigation.

BACKGROUND

California's water and sewer agencies provide essential government services for the benefit of communities, agriculture, industries, and the environment. Public agencies are responsible for ensuring a consistent and reliable water supply, safeguarding the quality of drinking water, planning, constructing, and maintaining infrastructure, collecting and treating wastewater, and much more.

With climate change presenting unprecedented challenges, these agencies also must adapt and enhance aging infrastructure to mitigate the impacts of increasingly frequent and severe climate-related events.

The revenue necessary for public agencies to fulfill their essential functions predominantly comes from service rates and assessments. While these agencies require financial stability to meet ever increasing demands, a rise in Proposition 218 litigation is making it increasingly difficult to ensure agencies can pass fair and reasonable rates to cover the costs of operations and investments. Oftentimes, these suits are filed without first having raised these alleged violations with the public agency during the public notice-and-comment process leading up to the decision to adopt rates or assessment. When litigants avoid raising concerns with proposed rates or assessments during the ratemaking process, the public agencies cannot endeavor to resolve the dispute and avoid litigation. Surprise lawsuits have the potential to undermine an agency's ability to maintain stable budgets necessary to operate effectively.

EXISTING LAW

Proposition 218, or the "Right to Vote on Taxes Act," was approved by California voters in 1996. This initiative added to the California Constitution and imposed procedural and substantive requirements that govern how local agencies levy fees and charges to pay their costs to provide property-related services, like water and sewer service.

Proposition 218's procedural requirements mandate that an agency must mail written notice to property owners at least 45 days in advance of a public hearing for the ratemaking agency to consider any protests to the new or increased rates it has proposed for adoption. The hearing includes an opportunity for property owners to object to the proposed fee or charge (called a "protest"), and the agency must consider all protests received. If written protests against the proposed fee or charge are presented by a majority of property owners (called a "majority protest"), Proposition 218 prohibits the agency from imposing the fee or charge. If less than a majority protest, the agency must decide whether to adopt the rates as proposed, to reduce the rates, or to start over with a new ratemaking proposal.

Proposition 218's key substantive limit requires a local agency to demonstrate that any new or increased property-related fee or charge reasonably represents the cost of providing service.

One of the most fundamental rules governing the relationship between agencies and courts is the "exhaustion of remedies" principle, which requires individuals to raise concerns about proposed agency action by pursuing available agency procedures for addressing concerns before they may sue the agency in court. The exhaustion requirement serves several important purposes: (1) permitting the agency to resolve factual issues, apply its expertise, and exercise statutorily delegated remedies; (2) bolstering administrative autonomy; (3) promoting judicial economy; and (4) mitigating damages.

Finally, when a party challenges the validity of an administrative agency's legislative or quasi-legislative action, the general rule is that relevant evidence is confined to the record of proceedings before the legislative body. This rule, known as the "record review rule," comes from the California Supreme Court's holding in *Western States Petroleum Association v. Superior Court* (1995) 9 Cal.4th 559 (Western States), and is grounded in the separation of powers doctrine.

SOLUTION

This bill would create an exhaustion of administrative remedies procedure for water and sewer rates and assessments that, if public agencies elect to follow, would require the public to submit a timely written objection to the ratemaking proposal or new assessment and raise the particular Proposition 218 compliance issues the plaintiff may later litigate.

Public agencies that adopt exhaustion procedures would be required to provide their board and the public with written responses to each comment received before an agency acts on proposed rates or assessments. With a greater understanding of potential concerns and the agency's responses, the agency's board would have the opportunity to abandon its ratemaking/assessment proposal, change it (reduce it), or to better explain why it complies with Proposition 218's substantive limitations, before having to defend it in litigation.

If a public agency complies with the exhaustion procedures, the bill would specify documents that could be included in the administrative record, subject to certain exceptions, in the event of litigation.

AB 2257 builds on the strict procedural ratemaking requirements of Proposition 218 by creating a robust public process that facilitates dialogue, transparency, and the opportunity to resolve issues and avoid costly litigation. Codifying a procedure that requires issue exhaustion in Proposition 218 litigation would protect both legislative and adjudicative functions by allowing a legislative body to hear the evidence, apply its reasoned discretion and expertise, and create an administrative record to facilitate judicial review. This would also foster better-informed administrative decisions, which benefit the objector, the public agency, and members of the public within the public agency's jurisdiction. This is especially valuable in ratemaking cases in which evidence and policies are highly technical.

Contact:
Laura Edwards, Legislative Fellow (916) 319-2011
Laura.Edwards@asm.ca.gov

Support:
Association of California Water Agencies (ACWA), (Sponsor)

Updated February 8, 2024

From: ACWA <acwabox@acwa.com>
Sent: Tuesday, February 13, 2024 2:17 PM
To: John Friedenbach
Subject: Legislative Alert: Members Urged to Join Coalition Supporting ACWA-Sponsored AB 2257

ACWA

OUTREACH ALERT

LEGISLATIVE | RATES
Feb. 13, 2024

Members Urged to Join Coalition Supporting ACWA-Sponsored AB 2257

ACWA is urging members to join a coalition to support AB 2257, which would help member agencies defend against Proposition 218 lawsuits by requiring litigants to participate and raise specific objections before a public hearing.

Authored by Assemblymember Lori Wilson (D-Suisun City) and sponsored by ACWA, the bill would bring to light all possible complaints and provide an opportunity to resolve a dispute and avoid litigation altogether. It would build on the success of ACWA-sponsored SB 323 (Caballero, 2021), which created a 120-day statute of limitations for filing lawsuits against water and sewer rates through the Proposition 218 process.

ACWA staff is working closely with Assemblymember Wilson to gain support for the bill and will notify coalition members when it is scheduled for committee hearings.

A fact sheet is available for more information about the bill.

Take Action Now

Sign on to the ACWA coalition by completing a short online form.

Background

Water and sewer agencies throughout California face significant financial obligations as they work to ensure the delivery of safe and reliable water services while managing wastewater effectively. These obligations encompass a range of expenses, including infrastructure development and maintenance, regulatory compliance, operational costs, and emergency preparedness. With climate change presenting unprecedented challenges, agencies must also adapt and enhance aging infrastructure to mitigate the impacts of increasingly frequent and severe climate-related events.

The revenue necessary for public agencies to fulfill their essential functions predominantly comes from service rates and assessments. While these agencies require financial stability to meet ever increasing demands, a rise in Proposition 218 litigation is making it increasingly difficult to ensure agencies can pass fair and reasonable rates to cover the costs of operations and investments.

Oftentimes, these suits are filed without first having raised alleged violations with the public agency during the public process leading up to the decision to adopt rates or an assessment. When litigants avoid raising concerns with proposed rates or assessments during the ratemaking process, public agencies cannot endeavor to resolve the dispute and avoid litigation. Surprise lawsuits have the potential to undermine an agency's ability to maintain stable budgets necessary to operate effectively.

AB 2257 builds on the strict procedural ratemaking requirements of Proposition 218 by creating a robust public process that facilitates dialogue, transparency, and the opportunity to resolve issues and avoid costly litigation.

Questions

For questions about AB 2257, please contact ACWA Senior State Relations Advocate Kristopher Anderson at (916) 441-4545.

ACWA **REGIONS**

REGION 1 BOARD MEETING AND ORIENTATION

Friday, February 16, 2024 | 10:00 a.m. – 12:00 p.m.
Russian River Flood Control, 304 North State Street, Ukiah
Zoom Access Here

AGENDA – CLOSED SESSION

I. Call to Order, Welcome — **Elizabeth Salomone**, Region 1 Chair

II. 2024-25 Region Board Orientation — **Jennifer Rotz**, ACWA Staff

III. Region 1 Rules & Regulations and Budget — **Rotz**

IV. Region 1 New Members — **Rotz**

V. Region Vacancies — **Rotz**
   a. ACTION ITEM: Appointment to fill Region Board Vacancy
   b. Committees
      i. Business Development
      ii. Finance (Chair or Vice Chair)

VI. ACTION ITEMS: Appointments — **Board**
   a. Alternate Chair and Vice Chair
   b. Outreach Captain(s)
   c. Committee Reporters

Agriculture	Legal Affairs
Business Development	Local Government
Communications	Membership
Energy	State Legislative
Federal Affairs	Water Management
Finance	Water Quality
Groundwater	

VII. Develop 2024-25 Region 1 Work Plan — **Board**

VIII. Discuss 2024 Region Activities — **Board**
   a. Region Event
   b. Spring Conference Region Issue Forum
   c. Schedule Quarterly Region Board Meetings

IX. Additional Discussion Items — **All**

At Climate Resiliency Bond
Thursday February 22nd

REGION 1 BOARD 2024-2025

Chair

Elizabeth Salomone, Mendocino County Russian River Flood Control & Water Conservation Improvement District

Vice Chair

Jennifer Burke, Santa Rosa Water

Board Members

Tamara Alaniz, Brooktrails Township Community Services District

Dennis Mayo, McKinleyville Community Services District

David Rabbitt, Sonoma Water

J. Bruce Rupp, Humboldt Bay Municipal Water District

VACANT

Questions

Contact Jennifer Rotz, Regional Affairs Representative II, at JenniferR@acwa.com or 916.669.2373

ACWA REGIONS

Handout Materials

- Item II: 2024-25 Region Board Orientation Presentation
- Item II: Role of the Regions
- Item II: ACWA Code of Conduct
- Item III: Region 1 Rules & Regulations
- Item V: Region 1 Board Vacancy – Candidate Materials
- Item V: Committee Consideration Form
- Item VI: Region Appointments – Roles & Responsibilities
- Item VI: 2024-25 Region 1 Committee Member Roster
- Item VI: 2022-23 Region 1 Committee Reporter Roster
- Item VII: DRAFT Region 1 2024-25 Work Plan
- Item VII: Region 1 2022-23 Work Plan
- Item VIII: Region Event Planning Process
- Item VIII: 2024-25 Event List & Ideas
- Reference: 2024-25 Region 1 Board Roster
- Reference: ACWA Region Map
- Reference: 2024 ACWA Board Meeting Schedule
- Reference: 2024 State Legislative Committee Meeting Schedule
- Reference: ACWA 2020-24 Strategic Plan

ACWA Regional 1 Board Meeting and Orientation.

At our meeting on February 16 in Ukiah, the Board received a regular orientation given every two years when the new Board takes office. As part of the orientation we reviewed the Role of Regions and Board duties; a copy is included. ACWA has adopted a Code of Conduct Policy. We agreed that it defined proper conduct. We also reviewed the Region Rules and Regulations such as officers, meetings, attendance, etc. We then took up the filling of a Board vacancy. There were two applicants. One was from the City of Windsor and one from the Humboldt Bay Community Services District. The applicant from Windsor had a majority of the votes and was appointed subject to completing the necessary process. I was then elected as Alternate Board Chair to server when Elizabeth Solomone is not available. As you know, I will serve as Vice Chair of the ACWA Finance Committee. The Region has one other appointment, and it was decided that Jennifer Burke, the Board Vice Chair would fill the other slot. I will report out the Finance Committee deliberations at Conference. I am also a member of the Membership Committee and will report on their work. It was decided that we would work to get the Humboldt Community Service District Board member who ran for the Region Board involved in committee work, if she is willing, to prepare for her future involvement. We then adopted a two year work plan that involved a Regional Issues Presentation at the Spring and Fall Conference. The topic for May will be the North Coast Resource Conservation District and IRWMP. The Region 1 conference will be in the Fall, possibly in Lake County. We were asked again to approach our districts for a donation of $1,000 to the ACWA Foundation.

ACWA

THE ROLE OF THE REGIONS

ACWA Regions provide the grassroots support to advance ACWA's legislative and regulatory agenda.

Background

As a result of ACWA's 1993 strategic planning process, known as Vision 2000, ACWA modified its governance structure from one that was based on sections to a regional-based configuration. Ten regions were established to provide geographic balance and to group agencies with similar interests.

Primary Charge of Regions

- To provide a structure where agencies can come together and discuss / resolve issues of mutual concern and interest and based on that interaction, provide representative input to the ACWA board.
- To assist the Outreach Task Force in building local grassroots support for the ACWA Outreach Program in order to advance ACWA's legislative and regulatory priorities as determined by the ACWA Board and the State Legislative, Federal Affairs or other policy committees.
- To provide a forum to educate region members on ACWA's priorities and issues of local and statewide concern.
- To assist staff with association membership recruitment at the regional level.
- To recommend specific actions to the ACWA Board on local, regional, state and federal issues as well as to recommend endorsement for various government offices and positions.

Region chairs and vice chairs, with support from their region boards, provide the regional leadership to fulfill this charge.

Note: Individual region boards CANNOT take positions, action or disseminate communication on issues and endorsements without going through the ACWA Board structure.

GENERAL DUTIES / RESPONSIBILITIES FOR REGION OFFICERS

Region Chair

- Serves as a member of the ACWA Board of Directors at bimonthly meetings at such times and places as the Board may determine. The Chair will also call at least two Region membership meetings to be held at each of the ACWA Conferences and periodic Region Board meetings.
- Serves as a member of ACWA's Outreach Program, and encourages region involvement. Appoints Outreach Captain to help lead outreach effort within the region.
- Presides over all region activities and ensures that such activities promote and support accomplishment of ACWA's Goals.
- Makes joint recommendations to the ACWA President regarding regional appointments to all ACWA committees.
- Appoints representatives in concurrence of the region board, to serve on the region's nominating committee with the approval of the region board.
- Facilitates communication from the region board and the region membership to the ACWA board and staff.

Region Vice Chair

- Serves as a member of the ACWA Board of Directors at bimonthly meetings at such times and places as the Board may determine. The Vice Chair will also participate in at least two Region membership meetings to be held at each of the ACWA Conferences and periodic Region Board meetings.
- Performs duties of the Region Chair in the absence of the chair.
- Serves as a member of ACWA's Outreach Program, and encourages region involvement.
- Makes joint recommendations to the ACWA president regarding regional appointments to all ACWA committees.

Region Board Member

- Participate in at least two Region membership meetings to be held at each of the ACWA Conferences and periodic Region Board meetings.
- Supports program planning and activities for the region.
- Actively participates and encourages region involvement in ACWA's Outreach Program.
- May serve as alternate for the chair and/or vice chair in their absence (if appointed) to represent the region to the ACWA Board.

ACWA Board Policy Manual

Section:	GO-2 Governance	Approval Date:	11/17/2023
Policy:	GO-2.1A Code of Conduct	Latest Revision:	Initial Release

GO-2.1A Code of Conduct

2.1.1A Purpose

The purpose of this Code of Conduct Policy (Policy) is to set forth the expectations for ACWA Board Members, ACWA past presidents, as well as for all individuals who serve on ACWA Regional Boards of Directors, ACWA Task Forces, ACWA Committees, ACWA Subcommittees, ACWA Working Groups, or any other permanent, temporary, or ad hoc ACWA group ("ACWA Groups") established by ACWA to conduct its business, with respect to their conduct while acting in their ACWA capacity on any of these ACWA Groups. This Policy shall apply to all such persons participating in, any of ACWA Groups (all of whom are defined in this Policy, along with Board Members, as "ACWA-Related Individuals"). The term "ACWA-Related Individuals" does not include ACWA employees, who are governed by other conduct and personnel policies.

2.1.2A Code of Conduct

All ACWA-Related Individuals agree to abide by the following when serving an ACWA Group capacity:

1. Treat all persons in a courteous and respectful manner, particularly when acting in their ACWA capacity.

2. Act in accordance with all applicable laws of the United States and the State of California.

3. Refrain from abusive conduct, and verbal attacks upon the character or motives of other ACWA-Related Individuals or member agencies, ACWA Groups, the Association and its staff, or the public. For purposes of this Policy, the term "abusive conduct" shall carry the same meaning as found in Government Code section 12950.1 and shall include, but not necessarily be limited to, conduct which a reasonable person would find hostile, offensive, or unrelated to ACWA's legitimate interests. Abusive conduct may consist of, but is not limited to, repeated infliction of verbal abuse, such as derogatory remarks, insults, and epithets; verbal or physical conduct that a reasonable person would find threatening, intimidating, or humiliating, or attempts to sabotage or undermine the work of others.

4. Refrain from any form of discrimination or harassment of any individual on account of that individual's race, religious creed, color, national origin, ancestry, physical disability, mental disability, reproductive health decision making, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, age, sexual orientation, veteran or military status or other legally protected class or characteristic, particularly when acting in their ACWA capacity.

5. Abide by the processes and rules of order for the ACWA Group in which they participate as established by that body or by ACWA and comply with the ACWA Board Policy Manual, including this Policy, and Bylaws.

6. Refrain from directly or indirectly indicating, in any communications with any outside group or persons, that they are speaking on behalf of ACWA, unless expressly authorized to do so by the ACWA Board, Executive Director, Deputy Executive Director, advocate on point on the relevant policy issue, or the Director of Communications with respect to any communications to the media. Providing factual information regarding official ACWA positions or statements, including providing copies of or links to official ACWA publications or statements, is permitted in all cases as long as the speaker does not indicate they are speaking on behalf of ACWA or acting as its representative.

7. Avoid conflicts of interest with their personal financial interests when acting in an ACWA capacity, and comply with Government Code section 87100, *et seq.* as interpreted by the Fair Political Practices Commission when acting on behalf of an ACWA member agency in an official capacity.

8. ACWA-Related Individuals will not disclose confidential ACWA information without proper authorization from the ACWA Executive Director or Board. Confidential information will be designated as such.

9. Refrain from directing (or giving the appearance of directing) the day-to-day operations of ACWA's staff, except as may be authorized by the ACWA Executive Director for any ACWA Board Member to facilitate the performance of their duties as an ACWA Board member.

10. Refrain from knowingly enabling the violation of this Policy by another person, including any act prohibited by an interim action of the Executive Director under Section 2.1.3A(3).

2.1.3A Investigation of Complaints

The following sets forth the procedures for investigating complaints against ACWA-Related Individuals for an alleged violation of this Policy.

1. All complaints involving alleged violations of this Policy shall be made to the ACWA President, Vice-President, and/or Executive Director. Upon receipt of a complaint, the ACWA President, Vice-President, Executive Director, and General Counsel shall be informed of the complaint and the underlying facts and circumstances. A copy of the complaint will not be provided to the subject of a complaint unless required by applicable law or ACWA Bylaws.

2. The ACWA Executive Director shall immediately inform the subject of the complaint, while not disclosing the complainant or their agency to guard against potential retaliation, that a complaint has been filed against them and shall inform that person of the general nature of the complaint.

3. The ACWA Executive Director will have the discretion to take any interim action necessary to protect the safety of any persons and/or to ensure the least amount of disruption to an event or a meeting. The discretion to take interim action includes, but is not limited to, a directive that

the person alleged to have violated the Policy temporarily cease all activities on the body to which they have been elected, appointed, or assigned during the pendency of the investigation.

a. In the event that the subject of a complaint refuses to comply with any interim actions, the subject of a complaint shall immediately be removed from all ACWA Groups until completion of the disciplinary process for the underlying complaint.

4. The ACWA Executive Director, in consultation with the Board President (or Board Vice President in cases in which the Board President is the person alleged of violating this Policy) and General Counsel will determine whether an investigation of the complaint is warranted. If it is determined that an investigation is warranted, the ACWA Executive Director will undertake such an investigation immediately. The ACWA Executive Director shall retain a qualified third party (e.g., licensed investigator or attorney) to conduct the investigation unless determined to be unnecessary by the Board President (or Board Vice President in cases in which the Board President is the person alleged of violating this Policy) and General Counsel. The investigation should include discussions and interviews with witnesses as applicable.

5. Upon completion of the investigation, a report of the findings and conclusions of the investigation will be provided by the ACWA Executive Director to the Board President, Vice President, and ACWA's General Counsel, assuming none of those individuals are the subject of the investigation. Those individuals collectively will determine the recommended enforcement action to take in light of the findings, if any, and recommendations rendered following the investigation of the complaint. If no action is recommended, the complaint will be dismissed.

6. Once a determination of the recommended enforcement action has been made, the person alleged to have violated this Policy will be notified of the intended action. If the recommended enforcement action involves more than a verbal warning (i.e., temporary suspension or removal from the ACWA Group on which they serve), the Board of Directors will consider the matter in closed session at the next scheduled Board meeting. Board members will be provided with the recommended enforcement action and investigation summary as part of the closed session materials. At the meeting, during closed session, the accused person will have the opportunity to present to the Board reasons why the accused person believes they should not be subjected to the intended disciplinary action. The accused person is not entitled to call witnesses, but may present documentary evidence, to be included in the closed session materials, to the Board in support of their position. The Board will determine the appropriate disciplinary action, if any.

2.1.4A Enforcement of the Code of Conduct and Discipline of an ACWA-Related Individual

1. A violation of this Policy may result in one or more of the following disciplinary actions:

   a. Verbal Warning (Private Reprimand);

   b. Public Censure;

   c. Temporary suspension from the ACWA Group on which the accused person serves for one year unless the Board determines otherwise due to the severity of the violation; or

d. Removal from the ACWA Group on which the accused person serves. ACWA-Related Individuals may apply for reinstatement to the Board after one year.

To be imposed, any discipline above a Verbal Warning (Private Reprimand) must be imposed by a two-thirds or greater vote of the ACWA Board of Directors. A Verbal Warning (Private Reprimand) requires only a simple majority of those Directors in attendance at the meeting.

2. The ACWA Board of Director's action does not need to be reported out of closed session if the Board of Directors finds that the Policy was violated, and a Verbal Warning (Private Reprimand) is the appropriate level of discipline. In all other cases, the Board of Directors' decision will be reported out of closed session. A vote to remove will result in immediate removal of the accused person from the ACWA Group(s) on which they serve.

3. Any ACWA-Related Individual who takes any hostile or retaliatory action, directly or indirectly, against a complainant is subject to discipline and removal from the ACWA Group(s) on which they serve in conformance with Section 4.12 (b) of the Bylaws.

    a. Should any ACWA-Related individual continue to take any hostile or retaliatory action after the procedures in Section 4.12 (b) of the Bylaws have been taken, the ACWA-Related individual's agency may be subject to removal from ACWA membership in accordance with Article 2, Section 2.01 (c) of the ACWA Bylaws, which may include a prorated refund of annual dues as determined by the Board or as required by the Bylaws or applicable law.

4. This Policy shall be interpreted consistent with Section 4.12 of the ACWA Bylaws. In the event of any inconsistency between this Policy and the Bylaws, the Bylaws shall control.

References:

California Corporations Code, Bylaws, Articles 3 and 4; Board agenda item VI.A.1. on 11/17/2023.

See Administrative Procedure: *To be determined.*

Revision History:

Revision Date	Description of Changes	Requested By
11/17/2023	**Initial Release:** Deleted GO-2.1.10 Code of Conduct Policy from GO-2.1 Board of Directors Policy. Revised as a standalone policy and expanded to include ACWA Board Members, ACWA past presidents, as well as all individuals who serve on ACWA Regional Board of Directors, ACWA Task Forces, ACWA Committee, ACWA Subcommittees, ACWA Working Groups, or any other permanent, temporary, or ad hoc ACWA Group.	Board and Code of Conduct Task Force

ACWA REGIONS

ACWA Region 1
Rules & Regulations

Each region shall organize and adopt rules and regulations for the conduct of its meetings and affairs not inconsistent with the Articles of Incorporation or bylaws of the Association (ACWA Bylaw V, 6.).

Officers

The chair shall appoint a secretary to the Board if one is deemed necessary.

Meetings

Region 1 will meet quarterly, subject to call of the chair, with two of those meetings to be held at ACWA spring and fall conferences.

Attendance

If a region chair or vice chair is no longer allowed to serve on the Board of Directors due to his / her attendance, the region board shall appoint from the existing region board a new region officer. (ACWA Policy & Guideline Q, 1.)

If a region chair or vice chair misses three consecutive region board / membership meetings, the same process shall be used to backfill the region officer position. (ACWA Policy & Guideline Q, 1.)

If a region board member has three consecutive unexcused absences from a region board meeting or general membership business meeting, the region board will convene to discuss options for removal of the inactive board member. If the vacancy causes the board to fail to meet the minimum requirement of five board members, the region must fill the vacancy according to its rules and regulations. (ACWA Policy & Guideline Q, 3.)

Vacancy

If the chair's position becomes vacant, the vice chair will fill the chair's position.

If the vice chair's position becomes vacant, the alternate chair will fill the vice chair's position.

Elections

All nominations received for the region chair, vice chair and board positions must be accompanied by a resolution of support from each sponsoring member agency, signed by an authorized representative of the Board of Directors. Only one individual may be nominated from a given agency to run for election to a region board. Agencies with representatives serving on the nominating committees should strive not to submit nominations for the region board from their agency. (ACWA Policy & Guideline P, 2.)

Election ballots will be e-mailed to ACWA member agency general managers and presidents.

The nominating committee shall consist of three to five members.

The nominating committee should pursue qualified members within the region to run for the region board, and should consider geographic diversity, agency size and focus in selecting a slate.

See the current region election timeline for specific dates.

ACWA
Association of California Water Agencies

Bringing Water Together

February XX, 2024

The Honorable Jesse Gabriel
Chair, Assembly Committee on Budget
1021 O Street, Suite 8230
Sacramento, CA 95814

RE: California Water Infrastructure Funding

Dear Assemblymember Gabriel,

The Association of California Water Agencies (ACWA) and the undersigned organizations wish to express continued support for investments in water infrastructure. ACWA represents over 470 public water agencies throughout California that deliver over 90% of the water used for agricultural, commercial, and residential purposes. While we are aware the State is currently facing a $38 billion budget deficit, we urge the Legislature and Governor to maintain previously committed investments for water infrastructure. In addition, we strongly support continued development of a climate resilience general obligation bond that would provide significant investments in new and aging water infrastructure.

Governor Newsom Proposed January Budget
The Governor's January budget proposes to cut or delay funding for several critical water categories including:

- Recycled Water – Reduction of $174.4 million and delay of $100 million.
- PFAS - Reversion of $71.6 million and reduction of $30 million.
- Dam Safety - Reversion of $50 million.
- Forecast-Informed Reservoir Operations (FIRO) — Reduction of $6.75 million.

While we recognize the need to address the budget deficit, we encourage the Legislature to maintain as much funding for water infrastructure as possible. In recent years, public water agencies (and their customers) have generally paid for 85% of the investments in water infrastructure projects in California with the remaining 15% coming from State and Federal funding assistance. Over the last few years, the Legislature and Governor have made significant commitments to fund water infrastructure projects to help public water agencies cover the costs associated with new and aging infrastructure projects.

The Department of Water Resources (DWR) is already in the process of finalizing the Dam Safety and Enhancement Grant Program Guidelines and Proposal Solicitation Package. Many public water agencies hope to receive funding through this process to address the public safety and reduced storage capacity issues related to dam safety projects. There are also many planned recycled water and water quality projects throughout the state that are seeking funding assistance. For these reasons we greatly appreciate the Legislature and Governor's much needed investments in climate resilience over the last few years and encourage the Legislature to maintain this funding.

2024 Climate Resilience Bond

California's changing climate creates increased risks of drought, floods, intense rain events, and sea level rise that will present unique challenges to public water agencies and their ability to reliably provide water to California's farms and cities. ***ACWA is advocating for a $7.85 billion bond investment in water infrastructure*** that focuses on a number of critical water issues including, recycled water, groundwater recharge, storage, flood protection, dam safety, conveyance, storage, safe drinking water, water quality, regional watershed resilience, State Water Project improvements, and water conservation.

California's water management system is not currently prepared to address the impacts of a decreasing snowpack and increasing weather extremes. Adapting to climate change will require California to urgently and significantly rehabilitate and modify existing water facilities, improve operational flexibility, and make generational investments in new water infrastructure.

Additional above- and below-ground storage capacity must be developed to capture precipitation, especially in extreme weather events such as atmospheric rivers, and to mitigate disappearing snowpack. In addition, new and enhanced conveyance facilities are essential for moving collected and stored water, connecting suppliers with different supply sources, transferring water among water users, recharging groundwater, and storing water for a variety of beneficial uses, including environmental flows. State investment in water infrastructure is crucial to ensuring the reliable delivery of safe drinking water to California residents. In addition, climate resilience projects have also been shown to create jobs and stimulate local economies.

We thank you for your consideration of this issue and urge the Legislature to make the investments in California water that are needed in response to climate change, both in the State Budget process and in the development of a climate resilience bond. If you have any questions, please do not hesitate to contact ACWA State Relations Director, Adam Quiñonez at adamq@acwa.com or (916) 441-4545.

Sincerely,

Adam Quiñonez
State Relations Director
Association of California Water Agencies

Cc:
Honorable Members, Assembly Committee on Budget
Ms. Christine Miyashiro, Consultant, Assembly Committee on Budget
Mr. Keith Cialino, Policy Consultant, Assembly Speaker Robert Rivas

ACWA
Association of California Water Agencies

AGENDA

Membership Committee	
February 22, 2024	*Via Zoom*
1:00 – 2:30 p.m.	https://acwa.zoom.us/j/85052300849?pwd=oHC8xR1oy9ax5qjh3t1kbTcstRa48C.1

1. Welcome & Introductions	**Joone Lopez**, Chair **Carrie Parks**, Vice Chair
2. Committee Orientation	**Katie Dahl**, ACWA Member Services Manager
3. Status of ACWA Membership	**Katie Dahl**
4. Committee Overview	**Joone Lopez** **Carrie Parks**
5. Work Plan Review & Update	**Katie Dahl**
6. ACWA Spring Conference – Sacramento, CA • Membership Committee Meeting, Tue. May 7 • Member Mixer • Membership Committee Hosted Program	**Joone Lopez**

Meeting Materials:

- 2024 – '25 Membership Committee Roster
- Committee Orientation & Status of ACWA Membership PowerPoint
- ACWA Code of Conduct
- Member Recruitment & Retention Plan
- Draft 2024 – '25 Membership Committee Work Plan
- Region Map with Member Agencies

About ACWA

ACWA Mission and Vision

- ACWA's mission is to provide comprehensive leadership, advocacy and resources for California public water agencies to ensure a high quality and reliable water supply in an environmentally sustainable and fiscally responsible manner.

- ACWA envisions a California that values water as a precious natural resource that is used efficiently and sustainably in a changing climate from the headwaters to the ocean, with water infrastructure planned, maintained and operated to meet California water needs for generations to come.

ACWA

About ACWA

What We Do

- Leadership
- Advocacy
- Information
- Member Services

ACWA

Membership Committee

Meetings & Information

- Meets quarterly, including in-person on Tuesday of ACWA Conference Weeks
  - ***No cost to attend, pre-registration required***
- Visit Membership Committee's Page: https://www.acwa.com/about/board-committees/committee-information/membership-committee/
  - Committee Roster
  - Committee Work Plan
  - Member Recruitment & Retention Plan
  - Upcoming Meeting Agenda & Material
  - Past Meeting Recaps

Scan to visit the Membership Committee's page.
**Member login required.*

ACWA

Membership Committee

Status of Membership: Retention

Year	Total Members	New Members	Lost Members	Retention Rate
2023	470	7	3	99%
2022	466	4	5	98.9%
2021	467	6	1	99%
2020	462	7	5	99%
2019	457	8	3	99%

What is a good membership retention rate?

- Anything over 90% is the **goal** for any type of membership association or society.
- **Actual** average rate for trade associations is 88% (2022 Membership Marketing Benchmarking Report)

ACWA

HUMBOLDT BAY MUNICIPAL WATER DISTRICT
828 Seventh Street • Eureka, California 95501-1114
PO Box 95 • Eureka, California 95502-0095
Office 707-443-5018 Essex 707-822-2918
Fax 707-443-5731 707-822-8245
EMAIL OFFICE@HBMWD.COM
Website: www.hbmwd.com

March 14, 2024

The Honorable Chuck Schumer
Senate Majority Leader
United States Senate
Washington, D.C. 20510

The Honorable Mitch McConnell
Senate Minority Leader
United States Senate
Washington, D.C. 20510

The Honorable Tom Carper
Senate Environment and Public Works
Committee Chair
United States Senate
Washington, D.C. 20510

The Honorable Shelley Moore Capito
Senate Environment and Public Works
Committee Ranking Member
United States Senate
Washington, D.C. 20510

RE: Humboldt Bay Municipal Water District Requests Support for Passive Receiver PFAS Liability Protection

Dear Majority Leader Schumer, Minority Leader McConnell, Chair Carper, and Ranking Member Capito,

HBMWD respectfully requests your support for PFAS liability protections for water and wastewater agencies under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) that follow all applicable law and regulations for PFAS. The Humboldt Bay Municipal Water District (HBMWD or "District") is a regional wholesale water provider that supplies water to approximately 94,000 people (approx. 2/3 of Humboldt County residents) in the Humboldt Bay area in California. Potential liability from a proposed CERCLA hazardous substance designation for PFOA and PFOS, and the associated costs, is a serious concern for our District.

In September 2022, EPA published a proposed rule to designate PFOA and PFOS as CERCLA hazardous substances. That rule is now in the final stages, currently at the Office of Management and Budget for review, and is expected to be finalized before the end of this month. Congress intended CERCLA to be a statute that would allow for the remediation of contaminated sites and ensure the polluters are financially responsible for the cleanup through the "polluter pays" model. HBMWD strongly supports ensuring the CERCLA "polluter pays" principle remains intact. However, under current federal efforts, ACWA members and their ratepayers will be facing a "community pays" outcome that unfairly shifts the clean-up and liability costs onto water agencies and the public they serve.

Public water and wastewater agencies are passive receivers of PFAS from a vast array of domestic, commercial, and industrial sources. Water systems, and the public, do not have control over PFAS in the environment given the overwhelming presence of this family of chemicals in the chain of commerce and in our homes.

DRAFT

Without an explicit exemption from liability under CERCLA, water systems could be held financially liable for the cleanup of Superfund sites contaminated with PFAS for merely fulfilling their responsibilities under the Safe Drinking Water Act to treat and dispose of these chemicals to protect public health. While we appreciated that EPA has shared that it is does not intend to pursue water systems for cleanup costs, the CERCLA statute leaves those same systems vulnerable to litigation by the polluters themselves through potentially responsible party (PRP) suits. Cleanup costs alone are disconcerting for many water systems; adding the financial implications of litigation would be overly worrisome for ratepayers.

We ask that the Senate consider and pass legislation that would protect water systems and uphold CERCLA's polluter pays principle. One example of this is Senator Cynthia Lummis' legislation, **S. 1430, the Water Systems PFAS Liability Protection Act.** This legislation would provide the protection that water systems desperately need to face the challenge of PFAS pollution with all the resources they can bring to bear. This legislation would protect water systems, as CERCLA intends, and put the burden solely on polluters – not ratepayers. This will allow water systems to focus on and allocate resources to accomplish their most important goal: providing safe, reliable, and **affordable** water service to ratepayers.

HBMWD urges you to uphold CERCLA's "polluter pays" principle and protect water systems and the ratepayers they serve by supporting a tailored legislative exemption from PFAS liability.

Thank you for your time, I can be reached at Friedenbach@hbmwd.com or (707) 443-5018.

Sincerely,

DRAFT

John Friedenbach
General Manager

CC:

Senator Cynthia Lummis
Senator Alex Padilla
Senator Laphonza Butler
Congressman Jared Huffman

RCEA/RREDC

Redwood Coast Energy Authority
633 3rd Street, Eureka, CA 95501
Phone: (707) 269-1700 Toll-Free (800) 931-7232 Fax: (707) 269-1777
E-mail: info@redwoodenergy.org Web: www.redwoodenergy.org

BOARD OF DIRECTORS REGULAR MEETING AGENDA

Wharfinger Building, downstairs Bay Room **February 22, 2024**
1 Marina Way, Eureka, CA 95501 **Thursday, 3:30 p.m.**

Any member of the public needing special accommodation to participate in this meeting or access the meeting materials should email *LTaketa@redwoodenergy.org* or call (707) 269-1700 at least 3 business days before the meeting. Assistive listening devices are available.

Pursuant to Government Code section 54957.5, all writings or documents relating to any item on this agenda which have been provided to a majority of the Board, including those received less than 72 hours prior to the Committee's meeting, will be made available to the public at *www.RedwoodEnergy.org*.

NOTE: Speakers wishing to distribute materials to the Board at the meeting, please provide 13 copies to the Board Clerk.

THIS IS A HYBRID IN-PERSON AND VIRTUAL MEETING.

The RCEA Board of Directors holds in-person hybrid meetings. When attending, please socially distance as much as possible and be courteous to those who choose to wear a mask.

To participate in the meeting online, go to *https://us02web.zoom.us/j/81972368051*. **To participate by phone**, call (669) 900-6833 or (253) 215-8782. Enter webinar ID: 819 7236 8051.

To make a comment during the public comment periods, raise your hand in the online Zoom webinar, or press star (*) 9 on your phone to raise your hand. You will continue to hear the meeting while you wait. When it is your turn to speak, a staff member will prompt you to unmute your phone or computer. You will have 3 minutes to speak.

You may submit written public comment by email to *PublicComment@redwoodenergy.org*. Please identify the agenda item number in the subject line. Comments will be included in the meeting record but not read aloud during the meeting.

While downloading the Zoom application may provide a better meeting experience, Zoom does not need to be installed on your computer to participate. After clicking the webinar link above, click "start from your browser."

OPEN SESSION Call to Order

1. ROLL CALL - REMOTE DIRECTOR PARTICIPATION

1.1. Approve teleconference participation request for this meeting by Director pursuant to Brown Act revisions of AB 2449 due to an emergency circumstance to be briefly described.

2. REPORTS FROM MEMBER ENTITIES

3. ORAL AND WRITTEN COMMUNICATIONS

This time is provided for people to address the Board or submit written communications on matters not on the agenda. At the conclusion of all oral communications, the Board may respond to statements. Any request that requires Board action will be set by the Board for a future agenda or referred to staff.

4. CONSENT CALENDAR

All matters on the Consent Calendar are considered to be routine by the Board and are enacted in one motion. There is no separate discussion of any of these items. If discussion is required, that item is removed from the Consent Calendar and considered separately. At the end of the reading of the Consent Calendar, Board members or members of the public can request that an item be removed for separate discussion.

4.1 Approve Minutes of January 25, 2024, Board Meeting.
4.2 Approve Disbursements Report.
4.3 Accept Financial Reports.
4.4 Approve Payment of California Community Power Agency Annual General and Administrative Dues up to $85,000.
4.5 Approve the RCEA Net Billing Tariff Revisions Necessary to Incorporate Minor PG&E Net Billing Tariff Revisions.
4.6 Approve Updated Community Strategies Manager Job Description.
4.7 Adopt Resolution 2024-2 of the Redwood Coast Energy Authority Authorizing Certification and Submittal of Required Data to the U.S. Department of Agriculture Rural Utilities Services Loan Program; and
Authorize the Board Chair to Sign a USDA Rural Utilities Services Programs Certificate of Authority to Submit or Grant Access to Data Naming RCEA's Deputy Executive Director as Certifier and Director of Business Development and Planning as Security Administrator.

5. REMOVED FROM CONSENT CALENDAR ITEMS

Items removed from the Consent Calendar will be heard under this section.

COMMUNITY CHOICE ENERGY (CCE) BUSINESS (Confirm CCE Quorum)

Items under this section of the agenda relate to CCE-specific business matters that fall under RCEA's CCE voting provisions, with only CCE-participating jurisdictions voting on these matters with weighted voting as established in the RCEA joint powers agreement.

6. OLD CCE BUSINESS

6.1. Energy Risk Management Quarterly Report

Accept Energy Risk Management Quarterly Report.

7. NEW CCE BUSINESS

7.1. California Community Power Build-Own-Transfer Agreement Solicitation

Authorize participation in the first phase of California Community Power's Build-Own-Transfer Solicitation at a not-to exceed cost of $74,000.

END OF COMMUNITY CHOICE ENERGY (CCE) BUSINESS

8. OLD BUSINESS

8.1 Fiscal Year 2023-24 Draft Mid-Year Budget Adjustment

Approve proposed changes to the RCEA Fiscal Year 2023-24 Budget.

8.2 Community Advisory Committee Annual Report and Work Goals, CAC At-Large Member Recruitment

Accept Community Advisory Committee 2023 Annual Report and approve 2024-5 CAC work goals.

Solicit up to 5 volunteers for an at-large CAC member recruitment subcommittee.

9. NEW BUSINESS

9.1 Annual Regulatory & Legislative Policy Platform Review

Approve 2024 RCEA Policy Platform.

9.2 Coordinator/Associate Job Description and Pay Schedule Update

Approve updated job description and salary schedule to establish the Coordinator job classification.

Approve updated Associate/Intern job description.

10. STAFF REPORTS

10.1 Deputy Executive Director's Report

11. FUTURE AGENDA ITEMS

Any request that requires Board action will be set by the Board for a future agenda or referred to staff.

12. CLOSED SESSION

12.1. Conference with Legal Counsel: Existing Litigation, CPUC 22-02-005, Petition for Modification of D. 23-06-055, pursuant to Government Code 54956.9(d)(1).

12.2. Public Employee Performance Evaluation, pursuant to Government Code Section 54957(b)(1): Executive Director.

13. RECONVENE TO OPEN SESSION

14. CLOSED SESSION REPORT

15. ADJOURNMENT

NEXT REGULAR MEETING
Thursday, March 28, 2024, 3:30 p.m.
Wharfinger Building downstairs Bay Room, 1 Marina Way, Eureka, CA 95501
Online and phone participation will be available via Zoom.

RREDC

Redwood Region Economic Development Commission
325 2nd Street, Suite 203, Eureka, California 95501
Phone 707.445.9651 Fax 707.445.9652 www.rredc.com

REDWOOD REGION ECONOMIC DEVELOPMENT COMMISSION
Regular Meeting of the Board of Directors

In person: Eureka City Hall, Conference Room 207, 531 K Street, Eureka CA or via Zoom
https://us02web.zoom.us/j/85809460841?pwd=d2ZpNDB5aHhoYmVTNE5HdW1kbVpWQT09
Meeting ID: 858 0946 0841
Passcode: 995210
+16699006833,,85809460841#,,,,*995210# US (San Jose)

February 26, 2024 at 6:30 pm
AGENDA

I. Call to Order

II. Approval of Agenda
A. Approval of Agenda for February 26, 2024

III. Public Input for non-agenda items

IV. Consent Calendar
A. Approval of Minutes of the Board of Directors Meeting: January 22, 2024
B. Acceptance of Agency-wide Financial Reports: As of December 31, 2023

V. Program – Connie Stewart, Executive Director of Initiatives for Cal Poly Humboldt & Chief Policy Advisor for California Center for Rural Policy – *Broadband Update*

VI. New Business
A. Adoption of Audit for FY 2022/23 – Presented by Harshwal & Company
B. Discussion and Consideration of Position Letter Regarding AT&T Proposal to California Public Utilities Commission (CPUC) to Cease Role as Carrier of Last Resort (COLR)

VII. Old Business

VIII. Reports – No Action Required
A. Executive Director's Report
B. Loan Portfolio Report: December 31, 2023

IX. Member Reports

X. Agenda/Program Requests for future Board of Directors Meetings

XI. Adjourn

The Redwood Region Economic Development Commission will, on request, make agendas available in appropriate alternative formats to persons with a disability, as required by Section 202 of the Americans with Disabilities Act of 1990 (42 U.S.C. Sec. 12132), and the federal rules and regulations adopted in implementation thereof. Individuals who need this agenda in an alternative format or who need a disability-related modification or accommodation in order to participate in the meeting should contact the Board Secretary at (707) 445-9651. Notification 48 hours prior to the meeting will enable the Commission to make reasonable arrangements for accommodation.