

General Manager's Update

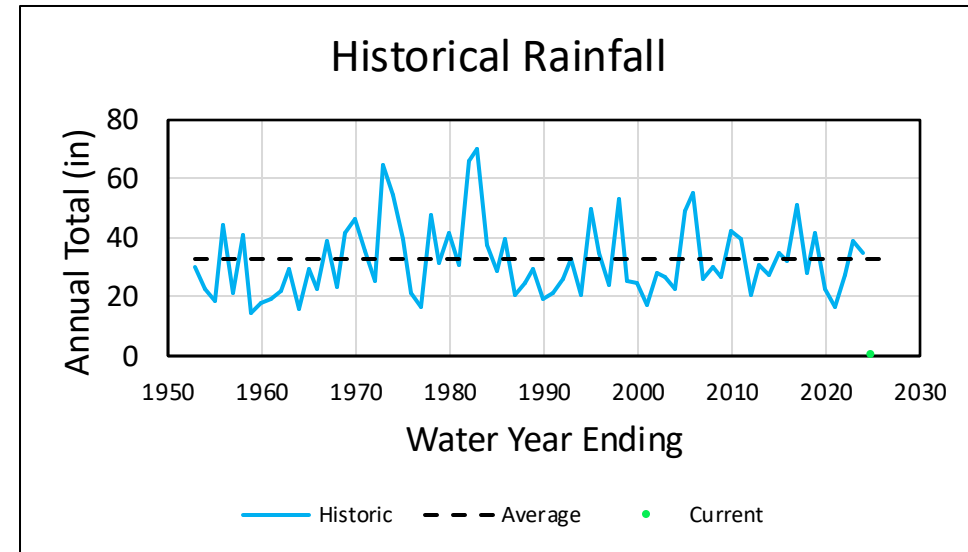
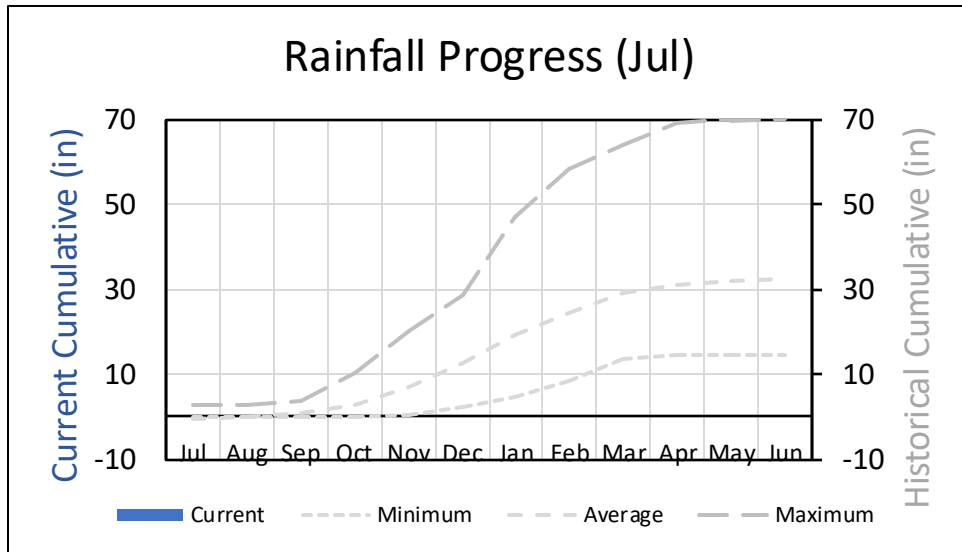
August 21, 2024

Regular Board Meeting

Presented by Georgia Woods

Status of BCPUD's Water Supply

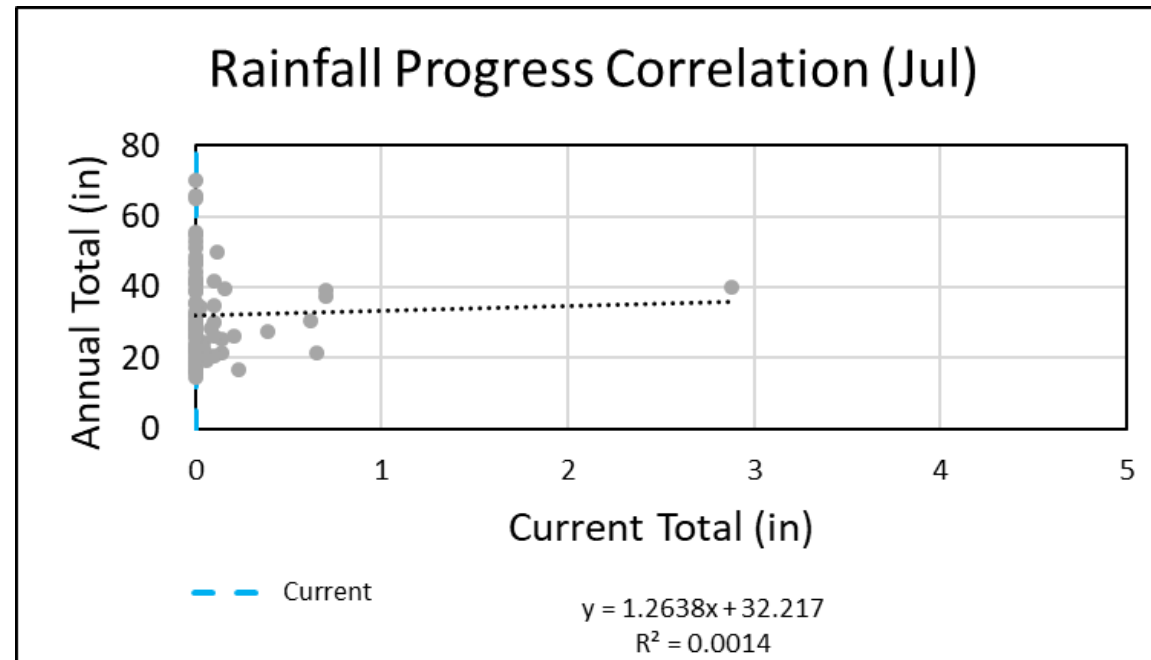
Rainfall through the end of July



As of the end of July 2024, the District had received **0 inches** of rain since July 1, 2024 (the beginning of the rain year), which is slightly below the average of 0.11 inches for this time of year.

This is the first month of the new “2025” Rain Year. We received no rain in July.

Rainfall Progression Analysis

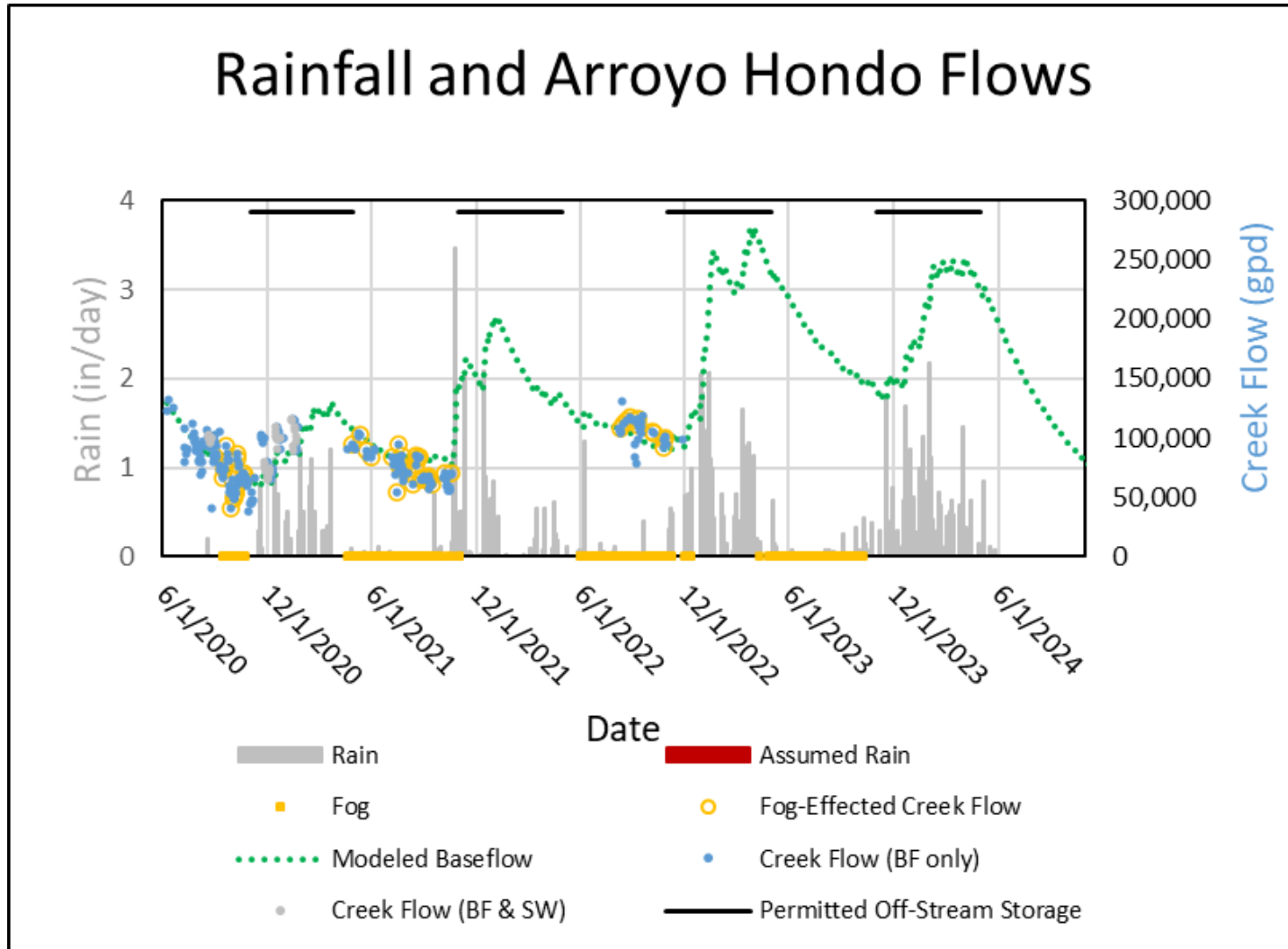


The cumulative total through July 31 is 0 inches, and using this progression correlation analysis, we are projecting that we will have **~31.63 inches** by the end of this rain year (June 30, 2025).

This analysis uses historical data to predicts how much rain we will have by the end of the year, based on the current year total. However, because July 31 is just capturing the first month of the new rain year, we are essentially predicting average rainfall for the year.

Of the 73 years on record, **33% of the years** had more rain by the end of July, compared to this year (24/25 Rain Year); again that's because the remaining (67%) years on record received no rain in July.

Model of Arroyo Hondo Creek Flows

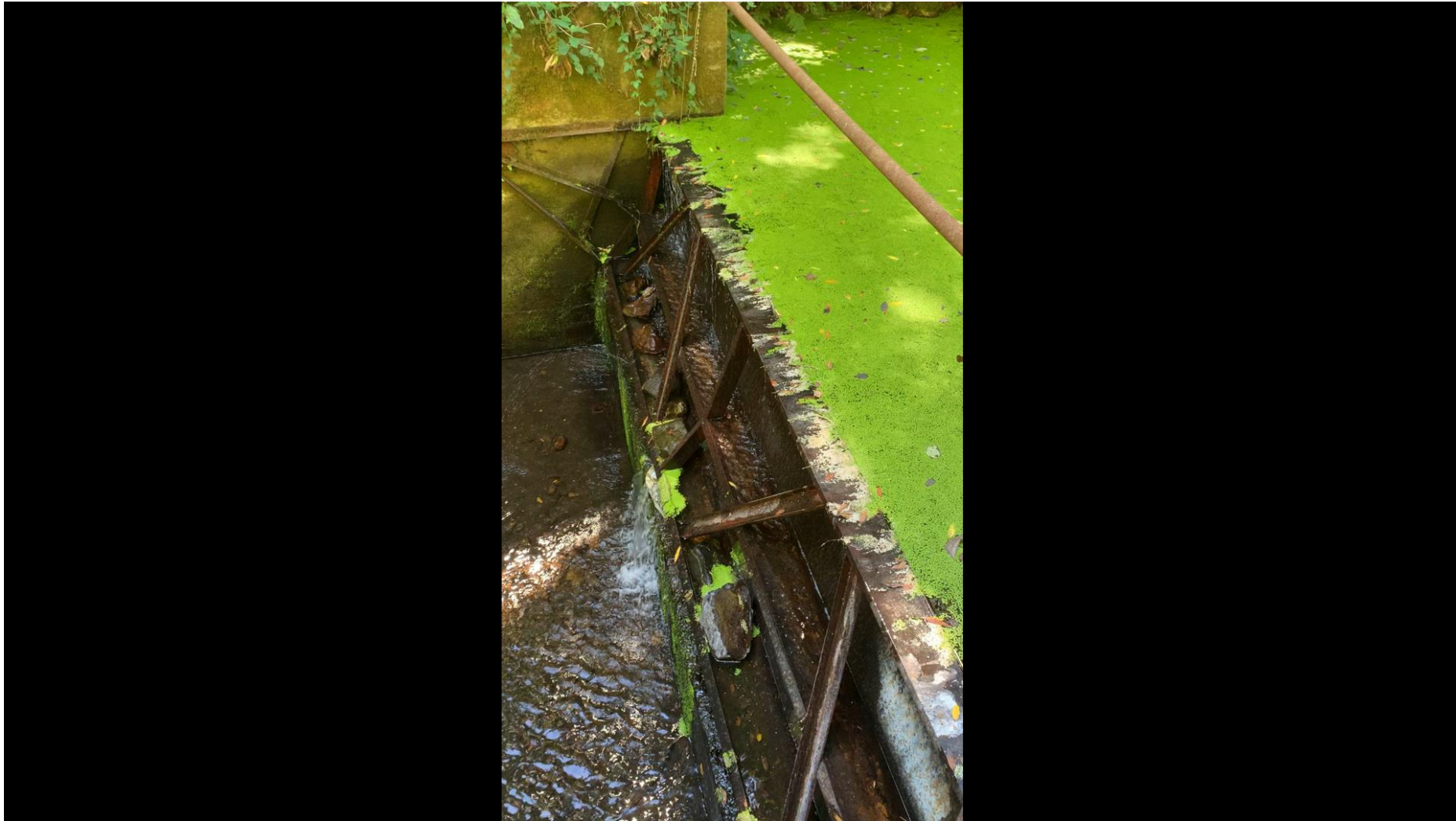


Creek flows continue to meet District Demand

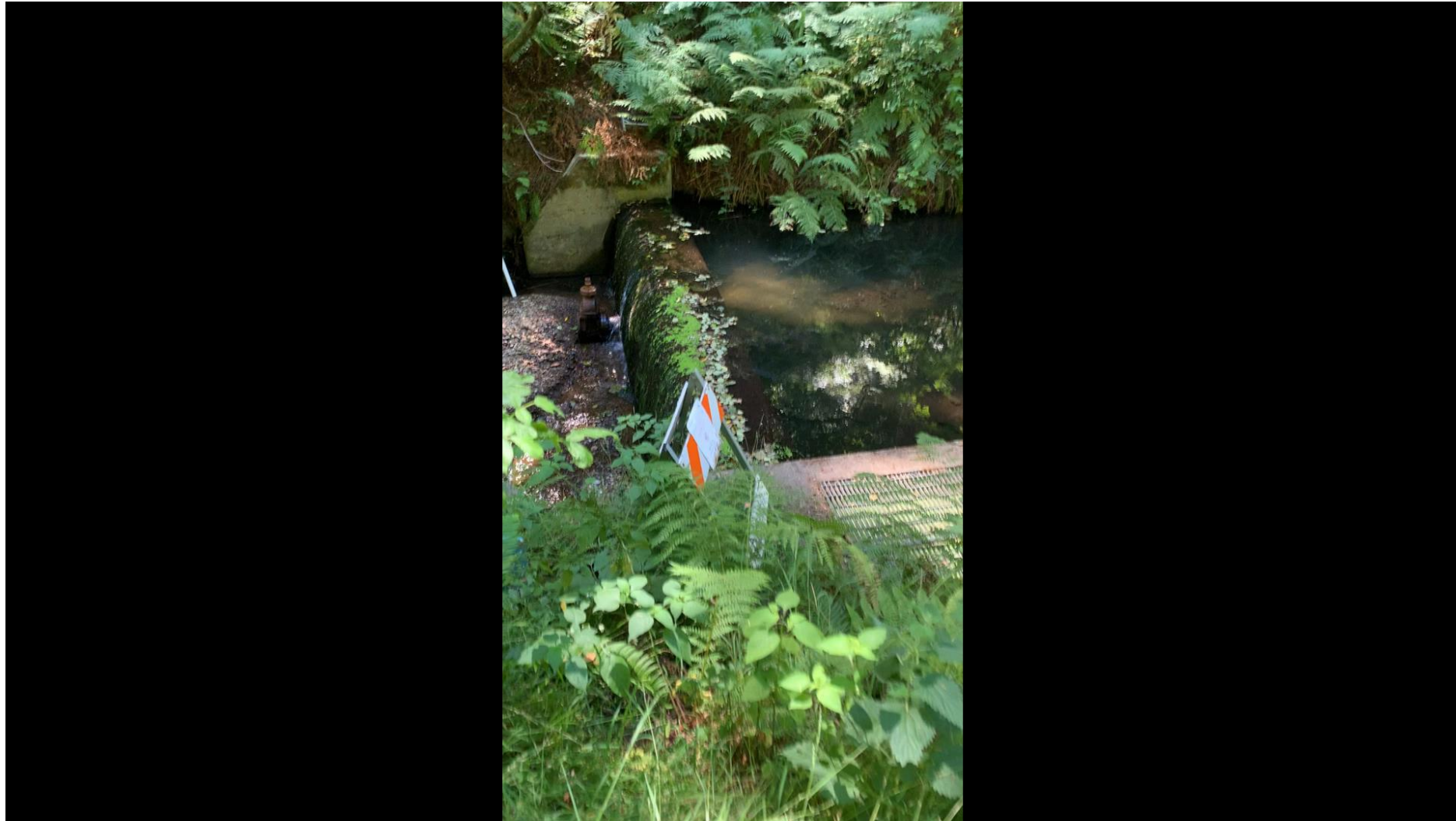
- Average flows by the end of June were modeled at ~140,051 GPD
- This is below flows at the end of June, which were estimated at ~170,184 GPD
- Flows by the end of August are predicted to be ~ 115, 284 GPD
- We have not had to divert from the Woodrat Reservoirs

Graph is the District's Base Flow (BF) recession model for the Arroyo Hondo Creek, updated to depict predictions of the base flow portion of creek flows through the end of August 2024, based on actual rainfall through July. The creek is still flowing over the impoundment structure, but goes below the lip when we are drawing from the creek. This would allow us to gather empirical data to test the model, however we have not yet collected this data.

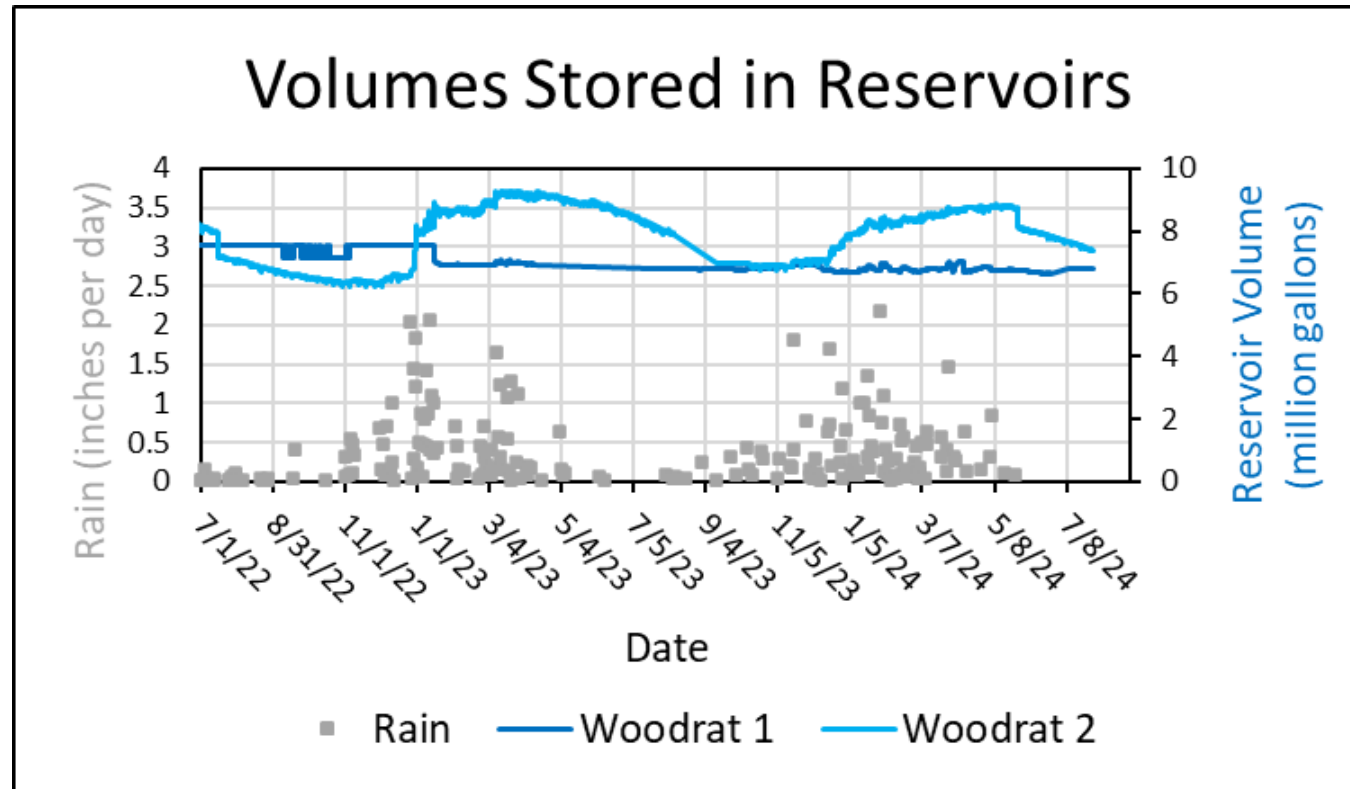
Lower Dam on Arroyo Hondo on August 13



Upper Dam on Arroyo Hondo on August 13



Water Storage



Woodrat 1 Reservoir and Woodrat 2 Reservoir are no longer spilling.

Water **Production** and **Consumption** in July

PRODUCTION

- In July 2024, water *production* in the district averaged **115, 219** gallons per day (GPD),
- This is **up** from June production, which averaged **91, 427** GPD.

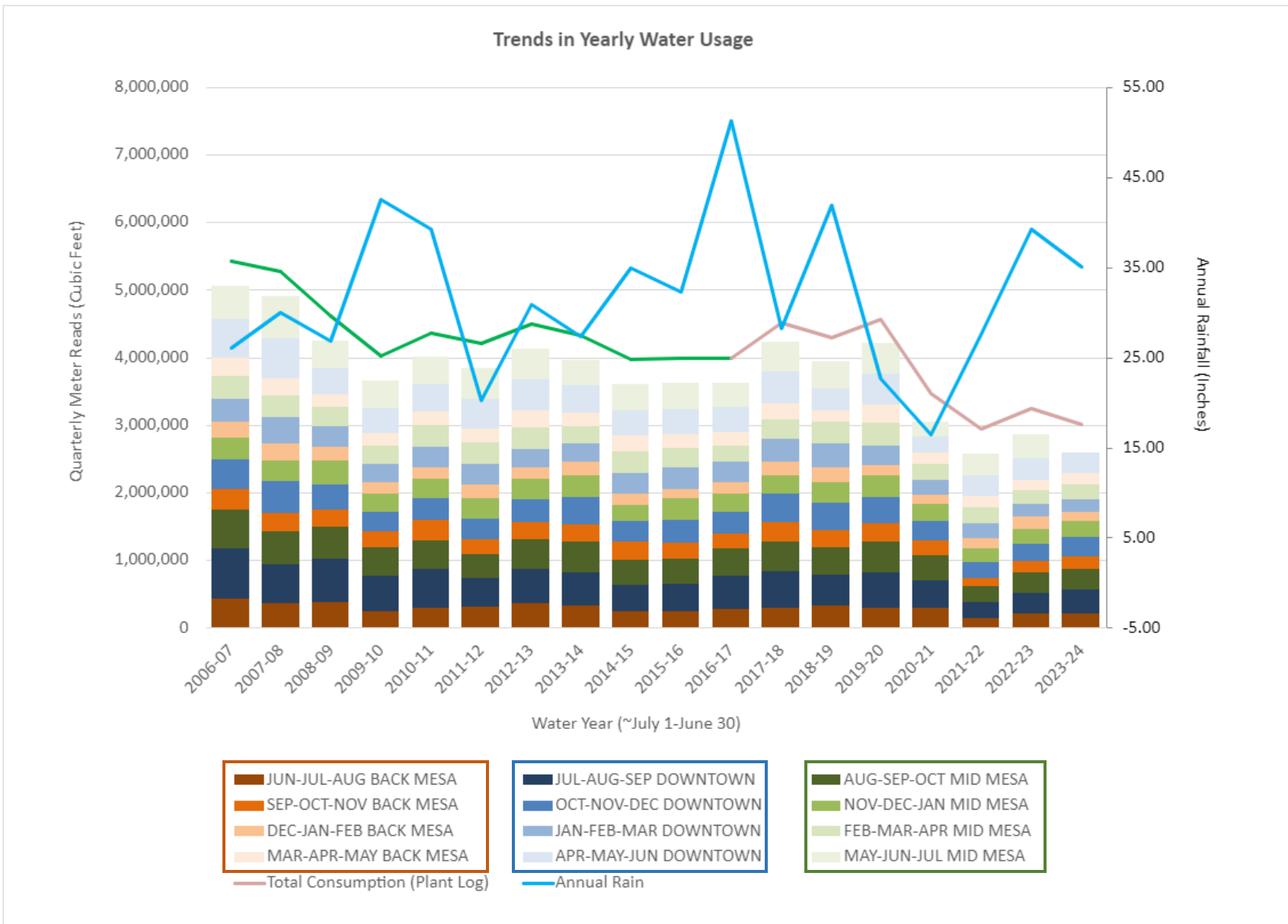
CONSUMPTION

- Water *consumption* in July averaged **116, 374** GPD (approximately **200 GPD** per connection)
- This is **up** from June consumption, which averaged **89, 043** GPD (approximately **153 GPD** per connection).

RECENT WATER CONSUMPTION: From August 13- August 19 consumptions averaged **153 GPD**

Annual Trends Since 2006

Quarterly Water Usage through April 2024



This graph shows “Cumulative Quarterly Water Usage”, as measured by “Regional Quarterly Water Meter Reads”

- Remember: at the beginning of each month staff reads all meters within 1 of 3 given regions:

- 1) BACK MESA
- 2) DOWNTOWN
- 3) MID MESA

- Annual Rain Fall is plotted as a **BLUE LINE**

- Town Consumption Estimates, based on the amount of water leaving the treatment plant daily is shown in **PINK LINE**.

- GREEN LINE** is an extension of **pink line**, which a model of Consumption based on an absolute unaccounted for water loss of 437,856 CuFt (~10% loss)

Meetings Attended

Meetings Attended (1 of 2)

Residential Downtown Parking

- We had a meeting on 7-18-2024 with County Reps and the Parking Committee:
 - Dennis Rodoni (County Supervisor)
 - Daniel Del Monte (Deputy County Executive)
 - Fernando Barreto (Sup. Aide)
- This meeting was helpful but we found out that the County will be implementing the program via a County Parking Ordinance rather than with a Resolution between
- BCPUD will have an upcoming walk-through meeting with County Reps and Parking Committee on August 29.
 - Belle will be attending the downtown walk-through
 - Sherry Hirsch will be providing a more formal update from the Parking Committee at our Regular meeting in September

Meetings Attended (2 of 2)

National Rural Water Association

- This an association that helps Rural Water Districts.
- A representative came out to help us assess our eligibility to qualify for Disaster Relief funding associated with the 2022/2023 Winter storms.
- We received FEMA funding to help refund us on all the work related to damaged tree and earth removal, particular along the Arroyo Hondo.
- But there is also the potential that we would qualify for funding to help us be more resilient in the face of future storms. The projects we discussed as potentially "resiliency" project that may be eligible for funding, included:
 1. Rehabilitation of the Upper and Lower Dams of the Arroyo Hondo
 2. Installing a backup generator that would allow us to run the irrigation pumps at the sewer ponds in the event of a power outage
 3. Rehabbing the lift station, including replacing the pumps with submersible pumps



Operations Updates

Operations Update (1 of 4)

Update on Water Leaks

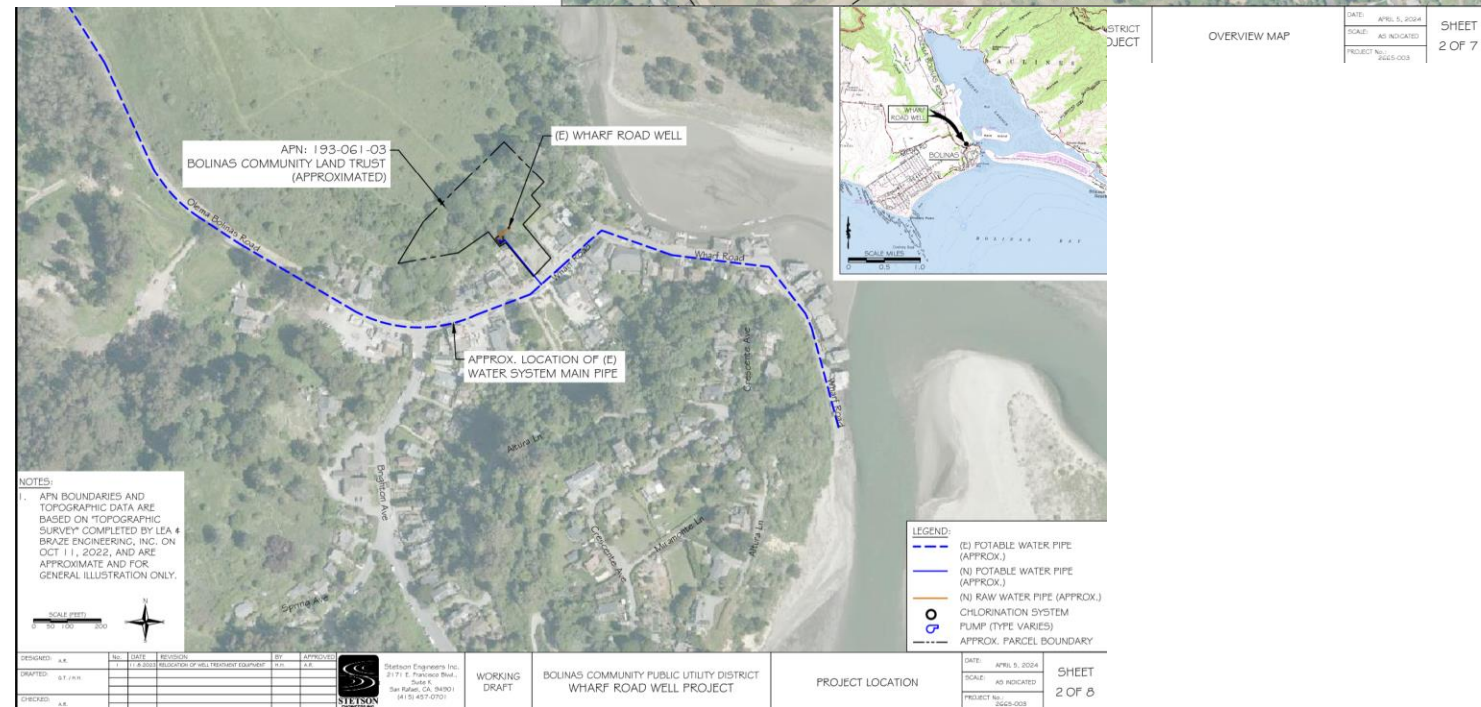
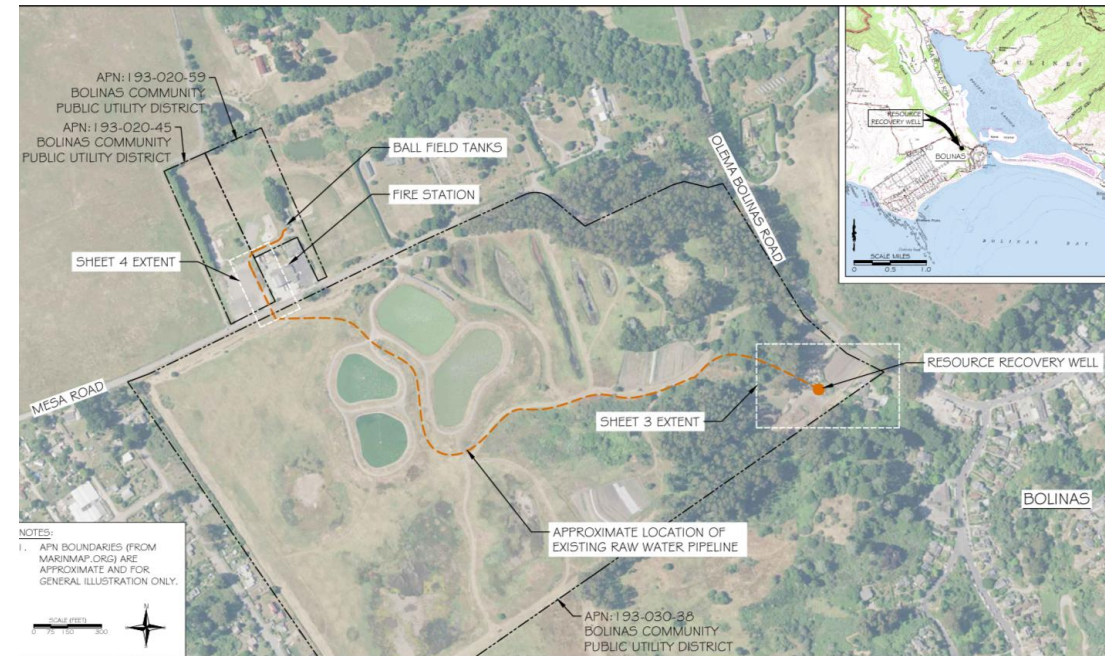
- We've had a lot of leaks lately!!
- Unfortunately, many have been in paved County Roads (Wharf Road)--expensive repairs!
- **We've had 3 on Wharf Road!**
- We had 1 on our 10" main on Mesa Road, which caused the whole town water shut-off on July 29th
 - That led to a lot of air in our system, so we had to purge a lot of water to help move the air out of the system
- We have another small leak on Mesa Road near the lab that will need to be attended to soon



Operations Update (2 of 4)

Well Project Update

- We continue to work on with our Consulting Engineer, Allan Richards, to get these projects designed and constructed.
- We will be looking to procure Water Tanks from Stinson Water. (There was an agreement with Stinson Water in May 2021 to borrow 3 storage tanks for the project.)
- **We are presently seeking advice from Counsel to determine whether this project will need to go out for public bidding.**



Operations Update (3 of 4)

Azolla removal from Woodrat 1 Reservoir

- *Aquatic Resource Management* came out on July 23-25 and removed Azolla
- YAY!!!
- Our plan is to use ARM more regularly and hope that a little more proactive management means that this could be a 1-day job, rather than a 3-day job



Operations Update (4 of 4)

Relocation of Water Main on Wharf Road

- Nothing new to report here.
- We still plan on pursuing this project on our own (as opposed to an ALT-Bid within the County Sea Wall Repair Project) but we will wait to pursue until we receive a definitive “GO-SIGNAL” from the County.
- I’ll be meeting with the County Engineer next Thursday to discuss where the Sea Wall Repair project stands.



Miscellaneous Updates

Miscellaneous Update (1 of 4)

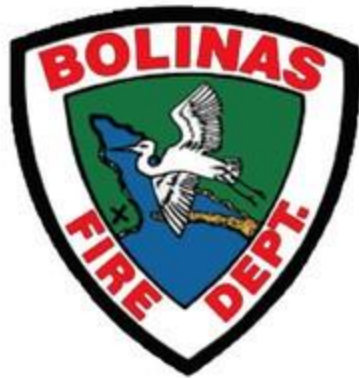
Bike path

- I will be coming back with a full report on BCPUD's plan for repair of bike path at our Regular Meeting in September.
- As a reminder, the grant performance period lasts until June 30, 2028 (meaning the project could be constructed as late as 2027).
- My recommendation would be to have the direction of potential tree removal projects become clearer prior to pursuing the bike path project.
- I would also recommend that BCPUD collaborate with the Bolinas-Stinson School and the County of Marin to determine if our project could be coordinated with a [Safe-Routes To School Program](#) to make the path a practical conduit between the Mesa and the school and downtown.

Miscellaneous Update (2 of 4)

Resource Recovery “revamp”

- BPCUD admin will be having "high-level strategic" discussion with Bolinas Fire Admin on August 28th about ongoing management of the site.
- We then plan to reach out to broader list of stakeholders for another high-level strategic meeting.
- So hopefully I will have more to concrete details to report out at our Regular Board Meeting in September.



Miscellaneous Update (3 of 4)

Recology Rate Review

- Recology is still pushing us to address this so they can get approval for the rate increase on Jan 1, 2025
- We will have an internal meeting with the Recology Rate Review Committee on September 4th.
- We will then need to negotiate with Recology to finalize the amended Franchisee Contract.
- In order to have the public hearing at our December 18, Regular Meeting, we will need to publish the Prop 218 Notice 45 days in advance of this meeting.
- This means that we will need to publish the prop 218 notice no later than November 3rd.
- We should aim to have negotiations with Recology nearly finalized the week of October 7th.
- That way could bring a draft agreement of the prop 218 notice to our full Board at our Regular meeting on October 15th.



Miscellaneous Update (4 of 4)

PG&E funded grant for Fire Fuel Reduction

- Fire Fuel Reduction Crew came out and cleared debris within 500 feet of PG&E infrastructure
- They cleared some logs from blocking the paths
- It looks amazing!
- Thank you Chief Krakauer and Marin Wildfire!!











