

MEMORANDUM

February 28, 2024

TO: Reclamation District No. 2026

FROM: Nathan Hershey

SUBJECT: February 2024 Engineer's Report

Described below are the engineering items to be discussed at your February 28, 2024 meeting.

Subventions 2022-23 – The District submitted an application for participation in the Program in the amount of \$665,000. A total of \$12.5 million has been approved by the Central Valley Flood Protection Board for the Program for FY 2022-23. A final claim was submitted in the amount of \$414,596.01.

Subventions 2023-24 – The District submitted an application for participation in the Program in the amount of \$665,000. A total of \$13 million has been approved by the Central Valley Flood Protection Board for the Program for FY 2023-24.

Subventions 2024-25 – Applications for the Program are due April 1. Subject to Board approval, our intent is to submit an application similar to the submittal for the prior fiscal year.

Future Subventions Funding – DWR has indicated that funding has not been secured yet for fiscal years 2025-26 and beyond. Delta advocates, including the California Central Valley Flood Control Association and others, are considering ways to increase awareness and gain support for securing funding for this highly successful and vital program. We have prepared a draft funding request letter for the RD to consider and possibly submit to state legislators.

Annual Maintenance – Attached are the current maintenance items we are tracking.

FEMA – The District claim is currently under review at FEMA. MBK will continue to check in with FEMA personnel regarding status updates. The total claim amount is \$65,256.11.

SB 88 – All Phase 4 meters have been installed and certified by MBK Engineers. Data is currently being collected at 37 sites across all four islands. MBK will continue to monitor all sites monthly during the winter season and weekly during the irrigation season via Wildeye's website. All Wildeye units are currently working with the exception of Bouldin Island Siphon No. 30, which was damaged by driftwood (equipment will be reinstalled when Phase 5 installations occur at nearby siphons). All meters are currently working, with the exception of Bouldin Island Siphon No. 2, which stopped functioning due to water damage (a new complimentary meter was provided by Technoflo and will be replaced during the Phase 5 installation). MBK was made aware that strong winds have displaced some Wildeye unit solar panels across the islands. A review of battery levels on Wildeye's website did not give indication of solar panel state, therefore MBK has coordinated with MWD, who will execute a visual inspection of the sites.

All Phase 5 flow meters were delivered and inventoried January 4th on Bacon Island. MWD is preparing a bid package and will be requesting bids in March for meter installations. The Phase 5 telemetry equipment

has been purchased, and will be delivered at the time of installation, following flow meter installations at each site.

MBK prepared and submitted an updated Request for extensions of time for each island for measurement compliance through December 31, 2025, and received approval from the Delta Watermaster on November 9th, 2023. Therefore, MWD's and the RDs' water rights are in measurement compliance under an approved extension of time until the equipment installations and certifications are completed.

MBK prepared Water Year 2023 annual water right reports consistent with prior years, using a hybrid approach that included flow meter data when it was available and OpenET data when it was not. MWD reviewed and submitted the reports by the February 1, 2024 deadline.

MBK and MWD continue to participate in the Delta Consortium. The February 8th Consortium meeting focused on preliminary design of diversion and related consumptive use correlation research projects, including a presentation by MWD and MBK on their preliminary OpenET vs Siphon Diversion analysis. MBK will continue to support these efforts by preparing a summary technical report, and providing data and analysis as needed.

RD 2026 - Webb Tract

Issue Tracking Summary

February 23, 2024

Issue ID	Priority	Report Date	Reporter	Location	Issue Type	Description	Action	Field Notes
003	Medium	October 3, 2016 4:00 PM	JaimeBarajas	Station 614	Broken Equipment	Pump station platform pile appears to have buckled.	Repair	Dino to investigate and repair; Schedule TBD. See photos.
019	Medium	January 31, 2017 4:00 PM	JaimeBarajas	Station 614	Boil	Boil located near pump station	Investigate	Jaime to monitor. On 3/22/17 District forces coretrenched levee and found no cause for seepage.
050	Low	July 20, 2017 4:00 PM	Russ Ryan	Station 180	Crack	Possible small crack between WS crown and AB splash berm	Monitor	
061	Medium	January 19, 2018 12:00 AM	Dave Forkel	Station 164+60 False River Pump	Seepage	Seepage under discharge pipes. Ongoing problem.	Monitor	Investigate problem; This has been a long-term issue. 6/9/18 Photos received from Jaime; MBK investigating options for remediation
61.1		June 9, 2019 11:00 PM						Seepage berm construction complete. RD forces placed 6,026 cy of material. Continue to monitor.
069		July 9, 2018 11:00 PM	AndrewReece	Station 408	Sloughing	Approx. 200ft of rip rap sloughing	Monitor	
105	Medium	December 10, 2020 10:31 AM	Dave Forkel	Sta 378+00	Crack	40 ft crack in center of levee	Monitor	
106	Medium	February 3, 2023 9:13 AM	Dave Forkel	Sta 445+00	Boil	Boil about halfway down slope, toe very wet. Sandbags installed.	Investigate	Sandbags
107	Medium	October 18, 2023 11:48 AM	Other	Station marker just north of fisherman's cut. Just on water side of marker. Can't see marker from water.	Sloughing	Sloughing, appears old. Not likely from earthquake.	Monitor	