

**MEMORANDUM**

June 14, 2023

**TO:** Reclamation District No. 2025

**FROM:** Nathan Hershey

**SUBJECT:** **June 2023 Engineer's Report**

Described below are the engineering items to be discussed at your June 14, 2023 meeting.

**Subventions 2021-22** – The District submitted an application for participation in the Program in the amount of \$465,000. An additional \$2 million was approved by the Central Valley Flood Protection Board, for a total of \$12 million approved for the Program for FY 2021-22. A final claim was submitted in the amount of \$120,339.58.

**Subventions 2022-23** – The District submitted an application for participation in the Program in the amount of \$465,000. \$12 million was approved by the Central Valley Flood Protection Board for the Program for FY 2022-23.

**Subventions 2023-24** – The District submitted an application for participation in the Program in the amount of \$465,000.

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

**FEMA** – MBK continues to coordinate with FEMA and is in the process of compiling documentation supporting the claim. Once all documentation has been provided, FEMA will submit the project to their management for review.

**SB 88** – Data is being collected at 38 sites across all four MWD islands. MBK has obtained quotes for the equipment required at the 51 remaining sites. It is currently estimated that the purchase orders for this equipment will be placed sometime in July. These flow meters will be installed over the next two years due to the number of sites and levee projects that begin in 2023. An installation schedule has been developed that should not interfere with the levee projects based on their current schedules. In addition, MBK will supervise the levee work at sites with existing measurement equipment to ensure no damage occurs to these devices.

Prior to installation of flow meters, Bovee Environmental identified 3 sites on Bacon Island and 1 site on Bouldin Island that tested positive for hazardous materials on the exterior coating on the pipes. The hazardous materials in the pipe coating at these 4 sites were abated by W.C. Maloney. Measurement devices can now be installed in the abated areas.

MWD and the RDs are in compliance for calendar year 2023 under an approved extension of time. The extension was approved by the Delta Watermaster on January 13th, 2022 and will expire on January 1st, 2024. The extension of time included a Plan for Compliance which provides details regarding the methods to estimate diversions on siphons without flow meters and provides a measurement equipment installation schedule. MWD currently anticipates that installing all the flow meters will take five years. Therefore, MBK

has provided cost estimates for flange magnetic meters with telemetry equipment installed on the water side of all active siphons.

Development of the Delta-wide ACP by the Delta Measurement Experiment Consortium to utilize Open ET for measuring and reporting diversions continues. Place of use polygons for each island have been completed and will be used in conjunction with Open ET to report on diversions. MBK and MWD continue to participate in the Consortium.

## RD 2025 - Holland Tract

Issue Tracking Summary

June 12, 2023

Issue ID	Priority	Report Date	Reporter	Location	Issue Type	Description	Action	Field Notes
002	Medium	September 12, 2016 5:00 PM	Russ Ryan	Station 185	Crack	Crack in splash cap near leak	Monitor	Monitor; See photos
022	Low	February 12, 2017 5:00 PM	Nate Hershey	Station 545+80	Boil	Boil in landside slope	Monitor	Directed Asta to build a containment berm; Berm constructed; continue to monitor. 2/13/17 No flow coming through levee, relatively dry
025	Medium	February 12, 2017 5:00 PM	Nate Hershey	Station 105	Erosion	Erosion site	Repair	Repair; Monitor and repair when feasible
028	Low	February 17, 2017 5:00 PM	Russ Ryan	Station 315+75	Rodent Activity	Rodent Activity	Repair	Repair; Monitor and repair when feasible
060	Medium	January 17, 2018 5:00 PM	Brian Janowiak	Station 414-417	Rodent Activity	Rodent activity	Monitor	Minor squirrel activity, mostly on upper LS slope. One larger void in levee crest (Sta 417) may need to be excavated.
099	Low	September 16, 2021 11:21 AM	Dave Forkel	Sta 350+50	Erosion	Vegetation clearing by landowner may have exposed levee to erosion.	Monitor	
100	Medium	January 24, 2023 2:56 PM	AndrewReece	419+00	Boil, Seepage	Looks to be flowing from mid slope at one point, maybe high tide. slope is wet from mid ramp down to bottom.	Investigate	lower 1/3 of slope from gate to tree at toe
104	Medium	March 10, 2023 1:13 PM	Dave Forkel	Sta 565+00	Erosion	Rock slipped along crown waterside	Repair	