

**MEMORANDUM**

October 7, 2020

**TO:** Reclamation District No. 2025

**FROM:** Nathan Hershey

**SUBJECT:** **October 2020 Engineer's Report**

Described below are the engineering items to be discussed at your October 7, 2020 meeting.

**Subventions 2019-20** – The District submitted an application for participation in the Program in the amount of \$845,000. DWR has lowered the Program funding amount to \$10 million for FY 2019-20. We are working on compiling the District's claim. Final claims are due November 1.

**Subventions 2020-21** – The District submitted an application in the amount of \$845,000. \$12 million has been approved for Program funding for FY 2020-21.

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

**Five Year Plan** – Work on the Five-Year Plan is currently in progress. A draft of the plan was distributed via email on 9/23. We also intend to send a draft to DWR staff for review and comment after we have addressed comments received from the District. DWR has extended the expiration date of the funding agreements to December 31, 2021.

**SB 88** – Work under Phase 3 of the measurement experiment (Feb 2020 through Feb 2021) is underway, as outlined in the approved Request for Additional Time. Phase 3 efforts primarily involve installing 8 additional flange magnetic meters on the water side of the highest use siphons, with at least one flow meter on each island. MWD has obtained funding approvals for Phase 3, however is currently investigating flow meter issues prior to approving the new equipment quotes and setting up a bid process for installation. After the invoices are submitted, there is up to a 6-week lead time for new equipment to be delivered. To follow up on issues with the Ultra Mag meter at Bouldin Island Siphon No. 24, during September MBK continued discussions with McCrometer and also contacted Technoflo to discuss potential solutions for future installations as well as potential alternative flow meters. Technoflo identified that the water intrusion could have taken months to reach circuit boards in the unit, making it impossible to identify when the intrusion occurred. Due to the issues with the meter, the purchase of new equipment (which includes 4 Ultra Mags) is temporarily on hold until methods to prevent this issue from occurring in the future or changes to the warranty is determined. An additional meeting with Technoflo is scheduled in early October to discuss protective measures for future installations and the purchase of meters for all active siphons on each island. MBK is currently preparing a document to describe a plan and estimated costs for long term, strict compliance with the Measurement Requirements on the MWD islands. This document is intended to be provided to MWD in October for discussion purposes.

The next Delta Measurement Experiment Consortium meeting is on October 15, 2020, which includes presentations by the Delta Watermaster's office on Open ET and the development of a Delta-wide

Alternative Compliance Plan. MBK and MWD will continue to participate in the Consortium and provide feedback on the future development of the ACP.

# Reclamation District No. 2025 Holland Tract

## Issue Tracking Summary

10/2/2020

IssueID	Priority	Report Date	Reporter	Location	Issue Type	Description	Action	Field Notes
2	Medium	9/13/2016	Russ Ryan	Station 185	Crack	Crack in splash cap near leak	Monitor	Monitor; See photos
22	Low	2/10/2017	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
25	Medium	2/13/2017	Nate Hershey	Station 105	Erosion	Erosion site	Repair	Repair; Monitor and repair when feasible
28	Low	2/18/2017	Russ Ryan	Station 315+75	Rodent Activity	Rodent Activity	Repair	Repair; Monitor and repair when feasible
60	Medium	1/18/2018	Brian Janowiak	Station 414-417	Other	Rodent activity	Monitor	Minor squirrel activity, mostly on upper LS slope. One larger void in levee crest (Sta 417) may need to be excavated.
98	Medium	6/10/2020	RalphHeringer	Sta 470 to 480 from LS of county road to toe ditch	Other	Fire	Monitor	Fire
98.1		8/11/2020	Nate Hershey	July 4 fire reported at Marina #1				
98.2		8/11/2020	Nate Hershey	July 20 fire reported at Mainstone property				