

MEMORANDUM

November 18, 2020

TO: Reclamation District No. 2025

FROM: Nathan Hershey

SUBJECT: November 2020 Engineer's Report

Described below are the engineering items to be discussed at your November 18, 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. The District submitted a final claim in the amount of \$211,282.60.

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 and we have incorporated many of the comments received to date. We will be sending a draft to DWR staff for review and comment. DWR has extended the expiration date of the funding agreements to December 31, 2021.

Delta Stewardship Council – In October, the Delta Stewardship Council (DSC) staff provided interested stakeholders an overview of the risk analysis component of the Delta Levees Investment Strategy (DLIS). Updates to the DLIS risk analysis include the incorporation of new data (2017 DWR LiDAR, updated flood hydrology and updated water surface elevations). The DSC's goal is to improve how the fragility curves represent Delta levee conditions and failure modes. DSC staff provided a dashboard tool to review specific island/tract data and has requested feedback by the end of November. MBK is in the process of reviewing the materials provided by the DSC and intends to comment on behalf of our clients.

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 obtained updated equipment quotes on October 28th and is setting up a bid process for equipment installation. After the invoices are submitted, there is up to a 6-week lead time for some of the new equipment to be delivered. MWD is confirming the delivery location for equipment storage, prior to installation. As a result of the issues with the Ultra Mag meter at Bouldin Island Siphon No. 24, the updated equipment quotes include additional enclosures for the converter units at each Ultra Mag meter site, which is anticipated to prevent moisture intrusion into the units. The converter for Bouldin Island Siphon No. 24 has been replaced, and MBK plans to reinstall it with a new enclosure this month.

The Delta Measurement Experiment Consortium meeting occurred on October 15, 2020, which included a presentation by the Delta Watermaster on the development of the Delta-wide ACP, to utilize Open ET for

measuring and reporting diversions. Further development of this ACP will be led by the Consortium. MBK and MWD will continue to participate in the Consortium and provide feedback on the future development of this ACP as needed.

Reclamation District No. 2025 Holland Tract
Issue Tracking Summary
11/15/2020

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				

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Issue Tracking Summary

11/15/2020

IssueID	Priority	Report Date	Reporter	Location	Issue Type	Description	Action	Field Notes
103	Medium	11/4/2020	DaveForkel	Marina 2 levee at Sta 551+00	Encroachment	Marina 2 dug six ditches on top of levee	Investigate	