

MEMORANDUM

December 16, 2020

TO: Reclamation District No. 2025

FROM: Nathan Hershey

SUBJECT: December 2020 Engineer's Report

Described below are the engineering items to be discussed at your December 16, 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 collaborated with KSN, Hultgren-Tillis and Engeo and submitted written comments. We are continuing our coordination effort with DSC staff.

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 is currently processing the equipment quotes and is setting up a bid process for equipment installation. As a result of the issues with the Ultra Mag meter at Bouldin Island Siphon No. 24, the 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 replacement converter for Bouldin Island Siphon No. 24 has arrived and reinstallation is expected to take place when the other equipment for Phase 3 is installed.

Since the last update, MBK conducted field visits to Holland Tract and Webb Tract to conduct portable flow meter tests at siphons running for winter flooding. Earlier this month MBK also visited Bacon Island to conduct portable flow meter tests, check existing equipment, and download data from existing equipment. Current direction by MWD is to proceed with a combination of strict compliance and developing a MWD Alternative Compliance Plan. Regardless of the approach for compliance, MWD will need to submit a Request for Additional Time, prior to the expiration of the current one on December 31, 2020 for another year of time. MBK provided a draft Request which MWD is finalizing and submitting.

Development of the Delta-wide ACP by the Delta Measurement Experiment Consortium to utilize Open ET for measuring and reporting diversions continues. 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
12/13/2020

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				