

MEMORANDUM

November 16, 2022

TO: Reclamation District No. 2025

FROM: Nathan Hershey

SUBJECT: November 2022 Engineer's Report

Described below are the engineering items to be discussed at your November 16, 2022 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.

Annual Maintenance – Attached are the current maintenance items we are tracking. Routine vegetation clearing in compliance with our routine maintenance agreement has been completed along the south levee.

Five Year Plan – Work on the Five-Year Plan is complete. We have addressed DWR's comments and have submitted the final version of the Plan. We have also uploaded the final document to the RD's website.

SB 88 – Work under Phase 4 of the measurement experiment is complete. All phase 4 meters have been installed and have been certified by MBK Engineers. Data is now being collected at 38 sites across all four islands.

Of all 25 meters installed, only one (Holland Tract Siphon No. 1) was unable to be properly programmed and connected to the Wildeye telemetry system. MBK is still investigating this issue with the flow meter manufacturer (McCrometer).

Flow meters for the remaining siphons will be installed over the next two years. MBK is obtaining quotes for the equipment required at the approximately 50 remaining sites. In addition, MBK is identifying any sites that need to be tested for asbestos or tar coating. MBK and MWD will work with Bovee Environmental Management to test sites that are suspected to contain asbestos or a tar coating on the pipe exterior. Any sites that test positive for these hazardous materials will be abated by W.C. Maloney prior to any flow meter installation.

MWD and the RDs are in compliance for calendar year 2022 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.

Reclamation District No. 2025 Holland Tract
Issue Tracking Summary
11/13/2022

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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IssueID	Priority	Report Date	Reporter	Location	Issue Type	Description	Action	Field Notes
99	Low	9/16/2021	DaveForkel	Sta 350+50	Erosion	Vegetation clearing by landowner may have exposed levee to erosion.	Monitor	