

MEMORANDUM

May 6, 2020

TO: Reclamation District No. 2028

FROM: Nathan Hershey

SUBJECT: May 2020 Engineer's Report

Described below are the engineering items to be discussed at your May 6, 2020 meeting.

Subventions 2018-19 – The District submitted an application for participation in the Program in the amount of \$500,000. \$12 million has been approved for Program funding for FY 2018-19, consistent with recent previous years. The District's final claim was been submitted in the amount of \$276,982.97. DWR and CDFW have performed their annual inspection and the claim is currently being processed.

Subventions 2019-20 – The District submitted an application for participation in the Program in the amount of \$615,000. DWR has lowered the Program funding amount to \$10 million for FY 2019-20.

Subventions 2020-21 – Applications for participation in the Program were due April 1. The District submitted an application in the amount of \$615,000. We have received notice from DWR that \$12,000,000 is being committed to the Program for FY 2020-21.

Annual Maintenance – Attached are the current maintenance items we are tracking. We recommend reviewing the waterside slope conditions via drone and performing any routine maintenance required prior to the flood season.

Special Projects – The enhancement component of the Old River multi-benefit levee rehabilitation project is in-progress. Maintenance activities will be on-going to promote plant health and longevity.

We received a fully executed funding agreement for the design portion of the Directed Action project to rehabilitate the north and south levees. We have requested an advance of funds from DWR. We can begin work on the design at the District's discretion.

Five Year Plan – Work on the Five-Year Plan is currently in progress. We will be distributing a draft for review and comment by the end of the month. The Plan must be completed by the end of 2020.

SB 88 – Work under Phase 2 of the measurement experiment (work plan for 2019 through February 2020) has been completed. All the data collected during this period has been reviewed and analyzed. MBK has prepared a draft report to update last year's experiment summary report. This draft was provided to MWD for final review and will be finalized as soon as comments are received. Work under Phase 3 of the measurement experiment (February 2020 through February 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. MBK conducted site visits to each of the

proposed sites during April to check installation locations and pipe conditions. All proposed sites will include telemetry equipment, with the intent to post data to the Reclamation District websites for each island. MBK has obtained quotes for equipment and installation costs, which will be provided to MWD for review soon.

The Delta Measurement Experiment Consortium has not yet scheduled its next meeting and MBK has not received any updates on the status of the Open ET beta testing.

Reclamation District No. 2028 Bacon Island

Issue Tracking Summary

5/1/2020

IssueID	Priority	Report Date	Reporter	Location	Issue Type	Description	Action	Field Notes
6	Medium	10/21/2016	Ralph Heringer	Station 275 @ Pump Station	Broken Equipment	Trash racks in need of maintenance/repair	Investigate	TBD
8	Low	11/2/2016	Dave Forkel	Station 668-702	Encroachment	Eucalyptus trees present a hazard	Investigate	Review, explore removal
36	Low	2/24/2017	Nate Hershey	Station 712	Seepage	Seepage exiting at toe of slope near retaining wall structure.	Monitor	12/4/17 - Area dried up after winter; continue to monitor
43	Medium	4/4/2017	Brian Janowiak	Station 92-93	Seepage	Seepage existing at toe of slope, running across county road		
48	Low	6/14/2017	Dave Forkel	Station 190+00	Vegetation control	CDFW mitigation site shows evidence of arundo mowing.	Investigate	Discuss mitigation requirements.
73	Medium	10/21/2016	Ralph Heringer	Station 465 @ Pump Station	Broken Equipment	Trash racks in need of maintenance/repair	Investigate	TBD
84	Medium	4/4/2019	RussRyan	95+00	Boil	Lower tide now and I think the roadway pothole (boil ??) needs repair at some point. I know it's a county road. We'll have to figure since once the (what I'm assuming) is a leak of repaired then the road will need to also be repaired.	Repair	
95	Medium	12/12/2019	AndyReece	siphon north of Mel's	RodentActivity	possible beaver den under tree south of siphon	Investigate	