

MEMORANDUM

January 15, 2020

TO: Reclamation District No. 2028

FROM: Nathan Hershey, Mike Kynett

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

Described below are the engineering items to be discussed at your January 15, 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.

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

Special Projects – The enhancement component of the Old River multi-benefit levee rehabilitation project is in-progress. The slopes have been seeded, and straw and tackifier were installed to protect the newly placed fill. The habitat areas have been cleared and are being planted. The potted stock planting is complete, and the cuttings will be planted in late January or early February. The areas to be planted on the levee waterside slopes will also be planted in this timeframe.

We submitted a Full Proposal for a Directed Action project to rehabilitate the north and south levees in January 2019. DWR has agreed to fund the project design and we have received a funding agreement for the non-construction portion of the project. The District executed the agreement and it has been returned to DWR. Once the agreement is fully executed, we can begin work on the design.

Five Year Plan – We have received a fully executed funding agreement for the Five-Year Plan (FYP). We have started work on the Plan update and have received an advance of funds in the amount of \$26,250.00.

SB 88 – Work under Phase 2 of the measurement experiment (work plan for 2019 through Feb 2020) is wrapping up. All of the data collected through the summer irrigation season has been reviewed and analyzed. MBK is currently preparing a report to update the experiment summary report (final dated March 2019). A draft will be provided to MWD this month, with the intent to finalize it by the end of February.

On behalf of MWD and the RDs, MBK submitted a Request for Additional Time (Request) to the Delta Watermaster on January 3, 2020. We have not yet received formal approval of the Request, but have direction to consider the extension continued during the period of review of the Request. MBK is in the process of drafting a workplan for 2020 efforts, as they are outlined in the Request. This will primarily involve installing 8 additional flange magnetic meters on the water side of the highest use siphons, with at

least one meter on each island. These sites will also include telemetry equipment, with the intent to post data on the Bay Delta Live website.

During a site visit to Bouldin Island on December 13, 2019, the vandalized test sites (Bouldin Island Siphon Nos. 39 and 40) were investigated. We found that the solar panels, dataloggers, and power supplies were stolen, but the flow sensors were not damaged and remain in place. Future site visits to the islands are currently on hold until diversions increase and/or activities related to the next phase of the Measurement Experiment start.

Reclamation District No. 2028 Bacon Island

Issue Tracking Summary

1/10/2020

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.
72	Medium	1/17/2017	Junior	West and North levees	Boil	Numerous locations along west and north levees	Monitor all boil sites; containment berms built on two most severe boils	Continue to monitor; flows seem to have receded or stopped with lower tides
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	