

MEMORANDUM

May 19, 2021

TO: Reclamation District No. 2028

FROM: Nathan Hershey

SUBJECT: May 2021 Engineer's Report

Described below are the engineering items to be discussed at your May 19, 2021 meeting.

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. The District submitted a claim in the amount of \$245,136.13 for the fiscal year.

Subventions 2020-21 – The District submitted an application for participation in the Program in the amount of \$615,000. \$12 million has been approved for Program funding for FY 2020-21.

Subventions 2021-22 – The District submitted an application for participation in the Program in the amount of \$541,000. DWR has informed us they will be seeking \$10 million for the Program for FY 2021-22.

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

Flood Fight Supplies – The District has an opportunity to acquire flood fight supplies through a DWR grant with San Joaquin County. Details were distributed via email on February 25. Eligible items will be fully reimbursed up to \$15,000 for each participating district. The County has asked districts to submit the reimbursement documentation prior to June 1.

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.

The District received an advance of funds for design of the Directed Action project to rehabilitate the north and south levees. The design is progressing and are moving forward in anticipation of construction. We are working through various design related issues and are developing the plans and specifications. We have requested the construction funding from DWR for the project. DWR has indicated their preference is to amend the existing funding agreement to allow for construction rather than issue a new funding agreement.

Five Year Plan – Work on the Five-Year Plan is currently in progress. A draft of the plan has been distributed via email and we have incorporated the comments received to date. We have also sent a draft to DWR staff for review and comment. DWR has extended the expiration date of the funding agreements to December 31, 2021.

SB 88 – Work under Phase 3 of the measurement experiment has been extended and is currently underway. 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 has received the new equipment which is currently stored on Bacon Island. A pre-bid walk through on Bouldin Island occurred on March 3,

2021. MWD has since selected a contractor, Gornto Ditching, and conducted a pre-construction meeting on May 10th on Bacon Island to discuss the details and schedule for installing the 8 new meters. Work will begin on Bacon Island with the goal of finishing those three meter installations by May 21, 2021. Installations on the other islands will follow. MBK plans to be on site during the first few installations to oversee the work and advise as necessary. Gornto Ditching will send weekly updates detailing their progress on the installation efforts.

MWD and the RDs are in compliance for calendar year 2021 under an approved extension of time. Current direction by MWD is to proceed with strict compliance. Therefore, MBK has provided cost estimates for flange magnetic meters installed on the water side of all active siphons and is currently developing a draft plan for compliance, which will be refined with specific plans for individual siphons as operational details and legal direction are confirmed. MBK, MWD, and legal staff met on May 12th to discuss and a follow up meeting is scheduled for May 19th.

Development of the Delta-wide ACP by the Delta Measurement Experiment Consortium to utilize Open ET for measuring and reporting diversions continues. MBK, the RDs, and MWD met with CDWA for a demonstration to create place of use polygons within Open ET. RD staff are currently in the process of creating these polygons for each of the islands. MBK and MWD continue to participate in the Consortium and provided an update to the group at the meeting on April 29, 2021. The next Consortium meeting has not yet been scheduled.

Reclamation District No. 2028 Bacon Island

Issue Tracking Summary

5/16/2021

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
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		
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	
100	Medium	9/17/2020	NateHershey	Station 102	Sloughing	Waterside slope is sloughing. Starting to encroach into the county road.	Repair	
101	Medium	9/17/2020	NateHershey	Station 704	Erosion	Field verified erosion site detected by drone footage. Site is approximately 100 feet long, adjacent to willows and vegetation is covering steep slopes.	Repair	

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5/16/2021

IssueID	Priority	Report Date	Reporter	Location	Issue Type	Description	Action	Field Notes
101.1	Medium	1/8/2021	NateHershey	Station 704	Erosion	Site is in future Special Projects work area. Recommend monitoring and repairing during levee rehabilitation project.		
102	Medium	5/5/2021	DaveForkel	Sta 107+19	Erosion	Erosion at toe of levee at siphon discharge.	Repair	Dino and Son to fill erosion site
103	Medium	5/5/2021	DaveForkel	Sta 175+15	Erosion	Erosion at toe of levee at siphon discharge.	Repair	Dino and Son to fill erosion site
104	Low	5/5/2021	DaveForkel	Junior's House	Sloughing	Rock placed at waterside of new fill settling.	Monitor	