

**RECLAMATION DISTRICT NO. 1601
TWITCHELL ISLAND
BOARD OF TRUSTEES MEETING
TUESDAY, OCTOBER 19, 2021
9:00 AM
ENGINEER'S REPORT**

**I. PLAN REVIEW – UNITED STATES GEOLOGICAL SURVEY (USGS)
DRAINAGE MONITORING**

- A. Review USGS's proposal to install monitoring equipment on the Districts terminal drainage Pump Station.

EXHIBIT A: Email correspondence from USGS dated 10/4/21 for Seismograph installation.

II. DISTRICTS DRAINAGE PUMP STATIONS

- A. Review status of canal bank filling operations.

EXHIBIT B: KSN photo summary

Exhibit A

Christopher H. Neudeck

From: Mercado, Juan@DWR <Juan.Mercado@water.ca.gov>
Sent: Monday, October 4, 2021 2:08 PM
To: Fackrell, Joseph K
Cc: Kraus, Tamara@USGS; Christina Richardson; Kimball, Kacy@DWR; Good, Preston D. @DWR; Rick Carter (rd1601@frontiernet.net); Christopher H. Neudeck; Jesse Barton (jbarton@gallerybartonlaw.com)
Subject: RE: [EXTERNAL] RE: Proposition 1 Funding Awarded for Island Drainage Monitoring

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Your request will be on the October 19, Board agenda. We are meeting in person at the Isleton office...remote call-in is an option.

Linda,

Please add the October agenda: USGS to present a proposal to install monitoring equipment on RD drainage pumping locations.

If you have any questions let me know. Thanks

From: Fackrell, Joseph K <jfackrell@usgs.gov>
Sent: Monday, October 4, 2021 1:33 PM
To: Mercado, Juan@DWR <Juan.Mercado@water.ca.gov>
Cc: Kraus, Tamara@USGS <tkraus@usgs.gov>; Christina Richardson <cmrichar@ucsc.edu>; Kimball, Kacy@DWR <Kacy.Kimball@water.ca.gov>; Good, Preston D. @DWR <Preston.Good@water.ca.gov>
Subject: Re: [EXTERNAL] RE: Proposition 1 Funding Awarded for Island Drainage Monitoring

Hi Mr. Mercado,

At least a couple of the project team should be available on 10/19 to present to the RD Board - let me know what info you need to put us on the agenda. I remember presenting to the board for another project a few years ago - are the meetings still at the Isleton District Office or are they happening virtually now?

Thanks,
Joe Fackrell

From: Mercado, Juan@DWR <Juan.Mercado@water.ca.gov>
Sent: Monday, October 4, 2021 10:39 AM
To: Fackrell, Joseph K <jfackrell@usgs.gov>
Cc: Kraus, Tamara <tkraus@usgs.gov>; Christina Richardson <cmrichar@ucsc.edu>; Kimball, Kacy@DWR <Kacy.Kimball@water.ca.gov>; Good, Preston D. @DWR <Preston.Good@water.ca.gov>
Subject: [EXTERNAL] RE: Proposition 1 Funding Awarded for Island Drainage Monitoring

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Hello Joe,

The first step would be for someone from USGS to introduce this project to the RD Board. Our next Board meeting is on October 19, let me know of your availability and I'd be happy to add you to our agenda. Thanks

From: Fackrell, Joseph K <jfackrell@usgs.gov>

Sent: Friday, October 1, 2021 1:03 PM

To: Mercado, Juan@DWR <Juan.Mercado@water.ca.gov>

Cc: Kraus, Tamara@USGS <tkraus@usgs.gov>; Christina Richardson <cmrichar@ucsc.edu>

Subject: Proposition 1 Funding Awarded for Island Drainage Monitoring

Hi Mr. Mercado,

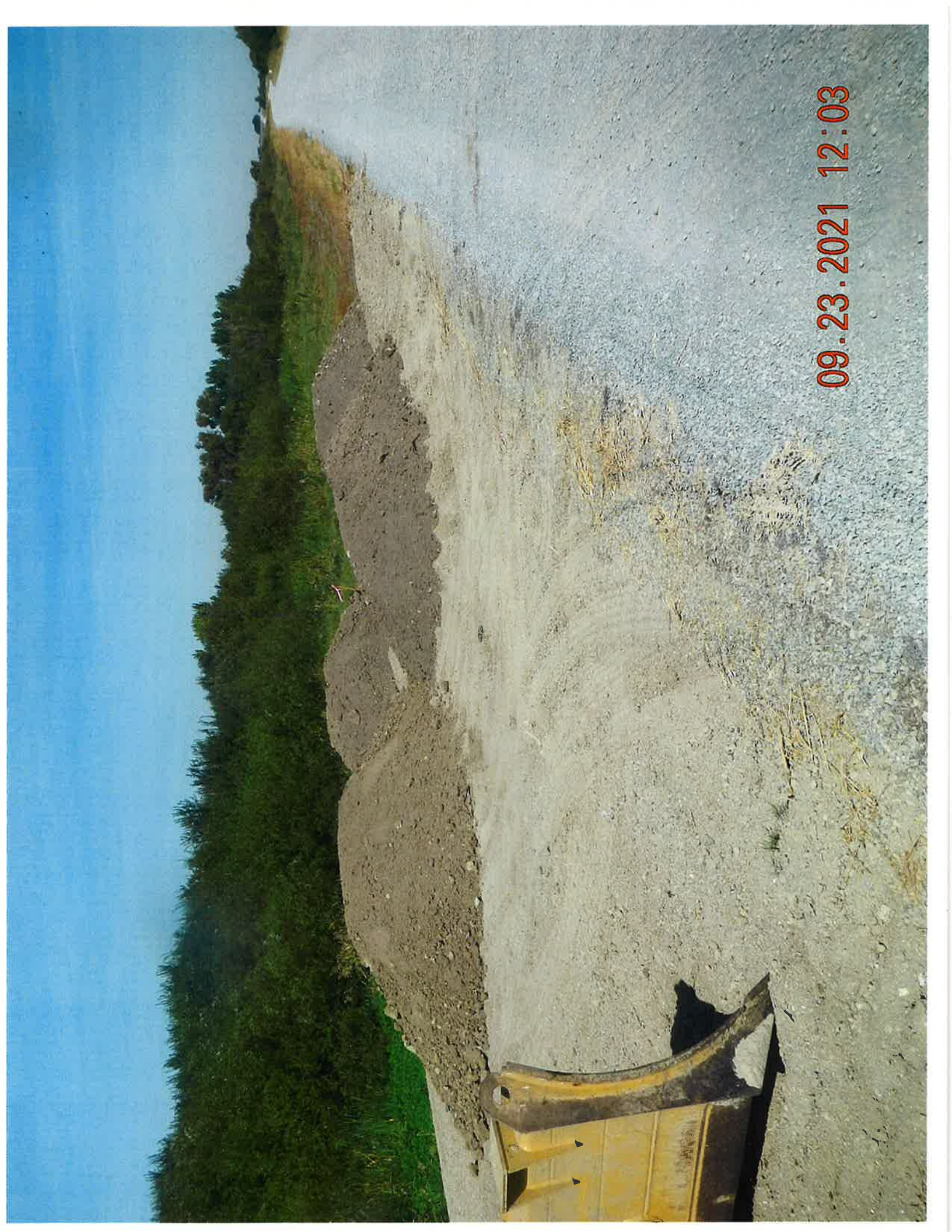
We submitted a joint UC-Santa Cruz/USGS California Water Science Center proposal for Proposition 1 funding back in February for high-frequency island drainage water quality monitoring on Twitchell Island and Staten Island. This proposal (narrative attached) was selected for funding - we are working on getting the details finalized and contracts in place. The main objective of this work is for the USGS to install and operate high frequency water quality sensors (like those currently in operation at several locations in Delta channels) at island drainage pumping locations on Twitchell and Staten Islands from January 2022-December 2023. I am happy to answer any questions you have about what this work will entail.

Ideally, we would like to get our monitoring equipment installed at the Twitchell Island pump station in January 2022 and would like to get going on all the necessary steps to make this happen (RD board approval, installation planning, permits/easement, etc.). Something we would like to do in the next month or two is arrange a site visit with our lead technician and your superintendent/operators so that we can assess how to best install the monitoring equipment at the pump station - we are especially interested in the potential availability of electrical power for our equipment so that we aren't reliant on solar/battery power.

Thanks,
Joe Fackrell

Exhibit B

09.23.2021 12:03





09.23.2021 12:04



09.23.2021 12:03