

From: [Radke, Bill](#)
To: [Harden, Tasha](#)
Subject: Fwd: San Bernardino NWR Periodic Hydrologic Monitoring Update 03/ 31 /2020
Date: Wednesday, April 1, 2020 10:44:17 AM

Tasha; FYI, I know we are probably waiting for something back from D&M. Let me know.
Thanks, Bill

William R. Radke; Project Leader
U.S.Fish and Wildlife Service
Buenos Aires, Leslie Canyon, & San Bernardino NWRs
Cell: 520 508-7180

Begin forwarded message:

From: "Fernandez, Juliette" <juliette_fernandez@fws.gov>
Date: April 1, 2020 at 9:25:39 AM MST
To: "Radke, Bill" <bill_radke@fws.gov>
Subject: Re: San Bernardino NWR Periodic Hydrologic Monitoring Update 03/ 31 /2020

Yes, CBP has it and I have a call to see where they are on it today. Hopefully we will get a positive response.

I think it's a good idea to pull together a proposal for this potential stimulus funding. Even if not in DM because we didn't have a crystal ball, I think this opportunity may be a good chance to fund that.

Juliette Fernandez
Refuge Supervisor AZ/NM

Juliette Fernandez | U.S. Fish and Wildlife Service | Refuge Supervisor AZ/NM | P.O. Box 1306, Rm 4112, Albuquerque NM, 87103-1306 | 505-248-6650 Office | 505-933-3501 Cell

From: Radke, Bill <bill_radke@fws.gov>
Sent: Wednesday, April 1, 2020 10:21 AM
To: Fernandez, Juliette <juliette_fernandez@fws.gov>
Subject: Re: San Bernardino NWR Periodic Hydrologic Monitoring Update 03/ 31 /2020

Juliette; Did the SBNWR submersible pump/solar panel/electricity R-2 "briefing" ever go out to Brent Range, or whomever? Did we ever receive any response yet?

Is there a way we could be trying to identify and/or prepare a similar proposal into an infrastructure request for SBNWR? We are already pulling this information together, and had a contractor on site reviewing what is currently in each well

and identifying what we need to make everything continue working (still waiting for his report), and at least some of this work may be in our DM database in an incremental manner (there is no way we already had a visionary DM project in the database that captured all of our emergency well related needs as one project). Just let me know what you think. Thank you, Bill

From: Fernandez, Juliette <juliette_fernandez@fws.gov>
Sent: Wednesday, April 1, 2020 9:10 AM
To: Radke, Bill <bill_radke@fws.gov>
Subject: Re: San Bernardino NWR Periodic Hydrologic Monitoring Update 03/ 31 /2020

Thank you all for your hard work on this! I very much appreciate it and it will all be very helpful to us in the long run. Conversations with CBP are ongoing but I'll keep you updated as I hear anything.

Juliette Fernandez
Refuge Supervisor AZ/NM

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From: Radke, Bill <bill_radke@fws.gov>
Sent: Tuesday, March 31, 2020 12:21 PM
To: Fernandez, Juliette <juliette_fernandez@fws.gov>
Subject: Fw: San Bernardino NWR Periodic Hydrologic Monitoring Update 03/ 31 /2020

Juliette; SBNWR water monitoring information from Tasha, Monty, and Cassondra. Thank you, Bill

From: Harden, Tasha <Tasha_Harden@fws.gov>
Sent: Tuesday, March 31, 2020 10:42 AM
To: Radke, Bill <bill_radke@fws.gov>
Subject: San Bernardino NWR Periodic Hydrologic Monitoring Update 03/ 31 /2020

During the week of March 20, 2020:

Monitoring wells checked and data recorded, pressure logs pulled and sent to water resources, pond inlet flows recorded in new survey123, pond levels recorded in old survey123. Overall protocol still in development

Week of 23 Mar 2020:

- 23 Mar 20 – Twin water off at **0852** and turned on at **0936**

- 23 Mar 20 – Bunting water off at **1025** and turned on at **1136**
- 24 Mar 20 – Bucket flow test for Hay Hollow well (**1416**), Bunting well (**1349**), Twin well (**1251**), Mitigation well (**1139**)
- 25 Mar 20 – Water to Yaqui pond from Mitigation well accidentally left on from bucket test yesterday (**3/24 @1139**) and turned off at **1045**
- 25 Mar 20 – Transducer installed at Slaughter Ranch and log started at **1200**

Phd ponds: good levels, outflow present
 Bath house: good level, outflow NA
 Hackberrie ponds: ok levels, outflow not present
 Urquides: still empty no attempt to fix/refill
 Twin ponds: good level, outflow present
 Minckley ponds: good levels, outflow present
 Mesquite: "filling" ok level, outflow NA
 Oasis: good level, outflow NA
 North: good level, outflow present
 Hay hollow ponds: good levels, outflow present
 Yaqui ponds: still empty no attempt to fix/refill

Extensive weekly report attached

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