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To: [Radke, Bill](#)
Subject: an Bernardino NWR Periodic Hydrologic Monitoring Update 01/06/2020
Date: Monday, January 6, 2020 9:59:14 AM
Attachments: [SBNWR Pond Well Update 30Dec19 03Jan20.docx](#)
[well diagrams 01 MM.pdf](#)
[well diagrams 02 MM.pdf](#)

During the week of January 3, 2020:

Monitoring wells checked and data recorded, pressure logs pulled and sent to water resources, pond inlet flows recorded in survey123, pond levels recorded in survey123.

- 30 Dec 2019 – North pond water turned off – full pressure monitoring new log began.
- 02 Jan 2020 – GPM calculated for Hay Hollow North pond, North pond, and Yaqui pond - via the method requested by water resources (5 gal filled and timed).
- 02 Jan 2020 – Elevation taken between wells and pond inflows as requested by water resources.
- 02 Jan 2020 – Well/pond plumbing diagrams sent to water resources.
- 02 Jan 2020 – Hay Hollow water on - refill ponds due to full pressure monitoring.
- 02 Jan 2020 – Twin 2 boards removed- to allow flow through of any twin one overflow (allowing flow through since pond emptied unexpectedly during the first pressure test attempt).
- 03 Jan 2020 – 11 shiner salvaged from Magoffin pond for ASDM population
- 03 Jan 2020 – Funding assistance cost codes provided to refuge, and request for a quote was sent to In-Situ for more well monitoring equipment needed.
- 03 Jan 2020 – Slaughter Ranch (SLR) Employee informed refuge staff that he won't allow any refuge monitoring equipment (transducer) on their new water well, until specifically instructed to by SLR Alan Finks.
- It should note that during December construction operations were affected/slowed by heavy rains during the beginning of the month and from decreased work force during the end of the month around holidays.

Biology weekly report attached
Well/Pond diagrams attached

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