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Subject: San Bernardino NWR Periodic Hydrologic Monitoring Update 04/ 28 /2020
Date: Tuesday, April 28, 2020 11:37:40 AM
Attachments: [SBNWR Pond Well Update 18Apr-24Apr20.docx](#)

During the week of April 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 and new survey123... working with RO staff to improve new survey123.... Overall protocol still in development

Week of 20 Apr 2020:

- 21 Apr 20 – Bucket flow test for Hay Hollow well, Bunting well, Twin well, Mitigation well
- 21 Apr 20 – Twin well off for flow meter installation **1236 – 1436**
- 21 Apr 20 - staff call, decision made to run pipeline from robertsons cienega to hackberry stable shiner ponds (cobble and magoffin) and to begin shiner propagation at HQ with captive individuals.
- 22 Apr 20 – Twin well off for flow meter installation **1200 - 1250**
- 24 Apr 20 – House pond at Slaughter Ranch still not outflowing, Snail Spring also not flowing, but spring to east still flowing
- 24 Apr 20 – Ben New and Magoffin not outflowing and pond levels dropping further
- 24Apr 20 - pond levels and piezometer readings successfully entered into new survey (entered as "individual" surveys and not ALL combined)
 - LCNWR surveys still need improved to allow multiple surveys reported together

POTENTIAL CONCERNS- (summer conditions + border activities)

weekly readings starting 4/10/20

Bath house - 1.6 to 1.48 to 1.48

Ben New - 1.34 to 1.3 to 1.3

Magoffin - 1.38 from 1.3 to 1.28

Robertsons - 2.1 to 2.08 to 2.06

Weekly Biology Report Attached

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