

**From:** [Burck, Peter](#)  
**To:** [Harden, Tasha](#)  
**Subject:** Fw: San Bernardino NWR - Water Update  
**Date:** Thursday, April 23, 2020 10:47:59 AM

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Peter Burck  
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500 Gold Avenue Southwest  
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**From:** Burck, Peter <peter\_burck@fws.gov>  
**Sent:** Thursday, April 23, 2020 9:52 AM  
**To:** Harris, Grant <Grant\_Harris@fws.gov>; Broska, James <james\_broska@fws.gov>; Reagan, Steve <steve\_reagan@fws.gov>; Fernandez, Juliette <juliette\_fernandez@fws.gov>; Radke, Bill <bill\_radke@fws.gov>; Sesnie, Steven <steven\_sesnie@fws.gov>; Stewart, David R <david\_stewart@fws.gov>; Kundargi, Darrell <darrell\_kundargi@fws.gov>; Baca, Joaquin <Joaquin\_Baca@fws.gov>  
**Subject:** Re: San Bernardino NWR - Water Update

Hi Grant,

Thank you for the addition. Done

- 1) Review and adjust agenda
- 2) Overview of Statistical Analysis of Glenn Well Pumping and Mitigation Well water pressures (Randy)
- 3) Any Conclusive Findings we can report so far/Potential Recommendation(s) to Border Patrol regarding Glenn Well pumping rate and timing (Group)
- 4) Summary Overview as to what is being observed for filling ponds & any effects that has had on fish management (Bill)
- 5) Summary of Ariel's Water Rights Analysis (Joaquin/Group)
- 6) Summary Report Status (Joaquin)

- 7) Status of Ongoing Data Collection Effort (Bill/others)
- 8) Monitoring Equipment Delivery and Installation Status / Equipment Needs (Darrell)
- 9) Pond Water Budget Analysis for Selected Ponds for Quantifying Federal Reserved Water Right (Peter)
- 10) What gaps do we have in any of the above items? (Group)
- 11) Other
- 12) Action Items
- 13) Schedule Next Meeting

Peter

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**From:** Harris, Grant <Grant\_Harris@fws.gov>

**Sent:** Thursday, April 23, 2020 9:48 AM

**To:** Burck, Peter <peter\_burck@fws.gov>; Broska, James <james\_broska@fws.gov>; Reagan, Steve <steve\_reagan@fws.gov>; Fernandez, Juliette <juliette\_fernandez@fws.gov>; Radke, Bill <bill\_radke@fws.gov>; Sesnie, Steven <steven\_sesnie@fws.gov>; Stewart, David R <david\_stewart@fws.gov>; Kundargi, Darrell <darrell\_kundargi@fws.gov>; Baca, Joaquin <Joaquin\_Baca@fws.gov>

**Subject:** Re: San Bernardino NWR - Water Update

Thanks Peter. It's a good agenda. I would like to add, perhaps between #3 and #4, a summary overview from San Bernardino as to what is being observed for filling ponds & any effects that has had on fish management since last group meeting.

Grant

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**From:** Burck, Peter <peter\_burck@fws.gov>

**Sent:** Wednesday, April 22, 2020 3:35 PM

**To:** Broska, James <james\_broska@fws.gov>; Reagan, Steve <steve\_reagan@fws.gov>; Harris, Grant <Grant\_Harris@fws.gov>; Fernandez, Juliette <juliette\_fernandez@fws.gov>; Radke, Bill <bill\_radke@fws.gov>; Sesnie, Steven <steven\_sesnie@fws.gov>; Stewart, David R <david\_stewart@fws.gov>; Kundargi, Darrell <darrell\_kundargi@fws.gov>; Baca, Joaquin <Joaquin\_Baca@fws.gov>

**Subject:** San Bernardino NWR - Water Update

Hi Everyone,

For our meeting tomorrow, we'd like to propose the following draft agenda. This list incorporates items Juliette provided in her 4/9 invitation. Please send me any additional items, comments or revisions.

- 1) Review and adjust agenda
- 2) Overview of Statistical Analysis of Glenn Well Pumping and Mitigation Well water pressures (Randy)
- 3) Any Conclusive Findings we can report so far/Potential Recommendation(s) to Border Patrol regarding Glenn Well pumping rate and timing (Group)
- 4) Summary of Ariel's Water Rights Analysis (Joaquin/Group)
- 5) Summary Report Status (Joaquin)
- 6) Status of Ongoing Data Collection Effort (Bill/others)
- 7) Monitoring Equipment Delivery and Installation Status / Equipment Needs (Darrell)
- 8) Pond Water Budget Analysis for Selected Ponds for Quantifying Federal Reserved Water Right (Peter)
- 9) What gaps do we have in any of the above items? (Group)
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On the topic of the pond water budget analysis for the purpose of quantifying the refuge's federal reserved water right, please review the attached draft analysis for selected ponds. The analysis includes numerous assumptions, so I am requesting feedback on the validity and reasonableness of these assumptions. I intend to include the remaining ponds soon.

If you have questions or comments, please let me know. Thank you.

Peter

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