

From: [Radke, Bill](#)
To: [Harden, Tasha](#)
Subject: Fw: San Bernardino NWR Well Drawdown Calculations and Legal Analysis
Date: Wednesday, October 21, 2020 1:40:39 PM
Attachments: [Cover Letter SBNWR2019.pdf](#)
[Attachment1_151019_SBNWR_Drawdown.pdf](#)
[Attachment2_SBNWR_Legal_151019\(1\).pdf](#)

FYI

From: Radke, Bill <bill_radke@fws.gov>
Sent: Tuesday, October 15, 2019 8:39 AM
To: (b) (6), (b) (7)(C) <(b) (6), (b) (7)(C)>; Emily.A.Lester@usace.army.mil
<Emily.A.Lester@usace.army.mil>
Cc: Range, Brent K <brent_range@ios.doi.gov>; Archibeque, Aaron <Aaron_Archibeque@fws.gov>; Fernandez, Juliette <juliette_fernandez@fws.gov>; Baca, Joaquin <Joaquin_Baca@fws.gov>; Reagan, Steve <steve_reagan@fws.gov>; McIntyre, Julie <julie_mcintyre@fws.gov>; Richardson, Scott <scott_richardson@fws.gov>; Harden, Tasha <Tasha_Harden@fws.gov>
Subject: San Bernardino NWR Well Drawdown Calculations and Legal Analysis

Paul and Emily;

As we have explained previously, the U.S. Fish & Wildlife Service (Service) is concerned about ongoing and planned groundwater use in the vicinity of San Bernardino National Wildlife Refuge (SBNWR) in Cochise County, Arizona resulting from border infrastructure construction.

We have therefore completed a water drawdown analysis of the water use impacts on refuge water resources from the Glenn Ranch Well (located 1.6 miles from SBNWR wetlands), and have also prepared a DOI Solicitor-reviewed legal analysis of Arizona groundwater wells and options open to the Service. These documents are attached to this email.

Please read these documents, evaluate what can be done to avoid, minimize, or mitigate the impacts, and contact me regarding your thoughts on how best to proceed in addressing the identified concerns.

Thank you for your help, Bill Radke

--

William R. Radke; Project Leader
U.S. Fish and Wildlife Service
Buenos Aires, Leslie Canyon, & San Bernardino NWRs
P.O. Box 3509
Douglas, AZ 85608
Cell: (520) 508-7180