

From: [Mcdaniel, Monty K](#)
To: [Harden, Tasha](#)
Subject: Re: weekly update(s)
Date: Monday, December 23, 2019 7:05:46 AM
Importance: High

Tasha,

Here is a good look at our southern gabion on HH. There is about 14' of erosion on the west side of the gabion structure.



[HH South Gabion.MOV](#)

On Fri, Dec 20, 2019 at 2:19 PM Harden, Tasha <tasha_harden@fws.gov> wrote:

(Next week I understand people are in and out for the holidays, if you are working and can get me updates for your area/items on days you're working please do, if not we'll catch back up after the new year).

During the week of Dec 2nd: water was turned off to Hay Hollow ponds and North pond, and pressure transducers were installed and started logging. Mitigation well was already turned off and pressure transducer installed and logging (filling of the large Yaqui pond was stopped and put on hold until further notice).

On Dec 10th: Twin well was turned off, stopping flow to Twin1 and Twin2, and a pressure transducer was installed and started logging.

On Dec 12th: During staff meeting it was brought up that the Twin pond levels had dropped drastically, that Twin2 was almost empty. It was decided to turn water back on and maintain Twin1 pond. Twin2 dropped too low and fish died so maintaining it is no longer necessary. North pond level was 1.18, we will turn water inflow back on after the week of the 20th, when a full two weeks of pressure data has been collected.

During the week of Dec20th:

- Water to Hay Hollow ponds was turned back on (Dec 16) since pond levels had dropped 0.5 ft. Pressure transducer left in place in case pond levels raise high enough to run another pressure test.
- Flow levels were documented; artesian flows fairly consistent.
- Pond levels and ground water well readings will be collected on the 20th (usually done on fridays) and will be included in next report.
- Glenns HH well was not being utilized when checked on 12/19, hose was not hooked up to it- just laid out towards GTR and ending prior to the corrals/grass area.
- Budget: costs associated with related monitoring is over \$10,000.00. Updated cost will be included in next report.
- T. Harden had a conference call with Rod Dossey (contracted environmental specialist guy for DHS) in regards to temporary black draw crossing on the border road being fixed. (forwarded email to Bill and Juliett from phone prior to call- didn't hear back and Bill said he didn't see it in his emails....?) This is the area that, prior to working on

the crossing, they bring out biologist to salvage endangered fish at the crossing and relocate them upstream in black draw on refuge, but staying below the fish barrier. This culvert crossing was washed out like the Hay Hollows crossing and they are discussing a new design for the temp crossing, with the ultimate end product to be an actual metal bridge. Rod questioned the damaged gabions on refuge, he was under the impression that they were in BD and that one was our fish barrier. He was completely unaware that they had build a culvert crossing upstream of us in HH. So I clarified and explained the HH situation. He was grateful for the clarification, said he would raise the HH crossing issue up the chain. He asked if a concrete "arizona crossing" would be more appropriate compared to the levee culvert type crossing that is currently there. It is more permanent but would not dam up the water, and we have one in BD that works well, so I said yes it would be (we both stated that neither of us are decision makers or POC's for our agencies). The biologist will be out to salvage fish at BD crossing on Jan 2-4. The repair of the temp BD crossing is expected to begin Jan 6/7. He is pushing for them to install the final metal bridge but not getting far with that... he will keep us updated on the HH situation and if he can get them to re-design that crossing.

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