

From: Clayton Crowder

Sent: Wednesday, July 03, 2013 12:17 PM

To: Clayton Crowder; Bob Rogers; Jeffrey Miller; Don Mitchell; Sharon Lashway; Amberle Jones; heidi_blasius@blm.gov; Ben Brochu; John Bacorn; Doug Duncan; Clarkson, Robert; Drewyer Pearson; Sheridan Paulus; Richard Staffeldt; Ross Timmons; Lara Upton; Jeffrey Lark; Gordon, Ryan

Cc: Duane Aubuchon; Raul Vega; Mike Rabe; Jeff Sorensen; Tony Robinson; Joe Sacco; Andy Makinster; Ron Day
Subject: RESULTS from Redfield Canyon Greensunfish Removal and San Pedro Preserve Gila chub monitoring the week of July 1

All,

On Monday, July 1st AGFD personnel surveyed Redfield Canyon from Swamp Spring confluence to the natural rock barrier further up the canyon.

We set 7 collapsible minnow traps and 11 collapsible mini hoop nets in pools throughout the surveyed portion and electrofished pools, runs and riffles as well. Traps fished for a minimum of 3 hours. Pools where green sunfish were captured via traps or detected during electrofishing were re-sampled via traps for an additional 4 hours. A total of 3995 electrofishing seconds were performed in the survey reach.

The focal species during electrofishing was green sunfish, so data regarding chub, suckers and dace were not recorded. However, bycatch data from trapping efforts included: 80 Gila chub, 5 desert sucker, 1 longfin dace.

Green sunfish were captured in three pools. The largest pool immediately upstream of Swamp Springs had the highest concentration of green sunfish (16 captured via e-fishing & 23 via trapping; sizes ranged from 30mm-220mm in a 9 hour total set time). We removed two green sunfish each from the two remaining pools. The pool where we removed the bulk of the green sunfish is the same location where we captured most of the green sunfish last June. The increase in sunfish detection shows the importance of two removal efforts per year. We plan on setting additional traps this September when we perform our annual surveys in Redfield. Anecdotally, I think Redfield was the lowest I have ever seen it. Perennial water started approx. 100 meters downstream of Redfield, we saw thousands of topminnow in this portion of Redfield. Redfield above Swamp is for the most part, connected and flow is continuous (with the exception of the 'green sunfish pool'- there is not surface flow into or out of this pool). The riffles are impounded by debris and sediment and most fish were only observed in pools or runs. We also walked downstream along the stream channel until we were ¼ mile from the wilderness boundary. No perennial waters were found in this lower section.

On Tuesday we performed trapping efforts at TNC San Pedro Preserve Dudleyville.

We set 15 collapsible minnow traps and 15 mini hoop nets in the north (topminnow and chub) pond and 15 collapsible minnow traps in the south (pupfish) pond.

We captured 483 pupfish in 2.5 hour net set. Hundreds of fish were observed and active. Juvenile and adult fish were both captured and enumerated in our data.

We captured 481 juvenile Gila chub (<100mm) and observed a school of several hundred swimming on the north side of the pond. We also captured 1931 adult and juvenile Gila topminnow with thousands more observed.

Unfortunately, we did not capture any adult Gila chub, however given the presence and detection of juvenile (~40 mm) chub, we feel confident that the chub population at Dudleyville is established and doing well.

This is a quick summary of our survey results from this past week. If you have any questions regarding effort, results or anything else please let me know. Also, feel free to forward this email to anyone I may have missed or may find this of interest.

Thanks

-Clay

From: Clayton Crowder

Sent: Wednesday, June 12, 2013 3:47 PM

To: 'Bob Rogers'; Jeffrey Miller; Don Mitchell; Sharon Lashway; Amberle Jones; 'heidi_blasius@blm.gov'; Ben Brochu; John Bacorn;

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'Doug Duncan'; Clarkson, Robert; Drewyer Pearson; Sheridan Paulus; Richard Staffeldt; Ross Timmons; Lara Upton
Cc: Duane Aubuchon; Raul Vega; Mike Rabe; Jeff Sorensen; Tony Robinson; Joe Sacco; Andy Makinster
Subject: Redfield Canyon Greensunfish Removal and San Pedro Preserve Gila chub monitoring the week of July 1

All,

The CAP Program will be conducting green sunfish removal in Redfield Canyon the week of July 1st.

At this point I'm thinking, AGFD staff will depart Phx HQ on Sunday June 30th at 3pm.

We'll camp at the trailhead to Redfield Canyon so that Monday morning we'll be able to head into the canyon. I have not yet decided if we'll be spending the night in Redfield Canyon on Monday night to attempt nocturnal snorkeling. If we do, we'll depart for the trucks Tuesday morning with an ETA at TNC San Pedro Preserve 1200. We'll set collapsible mini hoop nets in the large north pond and some collapsible minnow traps in the south (pupfish) pond.

Wednesday morning we'll pull traps and depart for Phoenix. There will be four AGFD personnel so we should be set for logistics, however, if additional folks would like to join us in the field, we always welcome additional hands (and backs).

Please let me know if you have any questions regarding the proposed schedule and feel free to forward this to anyone I may have missed or those that may find this of interest.

Thanks

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