September 1, 2016

DESERT FISH HABITAT PARTNERSHIP

NEWSLETTER

Protect | Restore | Enhance

RFP Announcement

DFHP Requests For Proposals is closing soon! Deadline for submission is September 30th.

DFHP Attended the 30th Annual - NAFWS Southwest Regional Conference

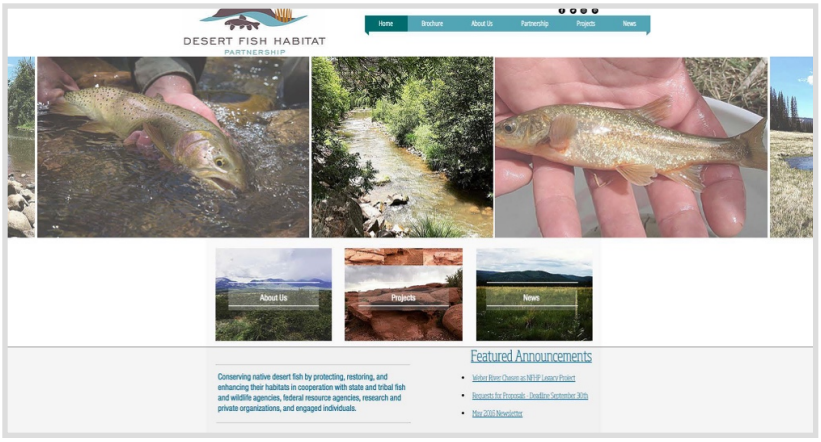
The DFHP now has monthly Shout - Outs. Sign up now!

DFHP Annual Meeting Nov. 15, 2016 in the Albuquerque, NM FWCO

Like and Follow us on Facebook every Friday for#DesertFishFriday

You can now follow us on Instagram and Twitter!

Come Check Out Our Redesigned Website!



We are very excited to announce the launch of our newly redesigned website. Visit us at www.desertfhp.com. The site's homepage features bright colors and an uncluttered design, making the new website easier to navigate and more user-friendly for your convenience.

Desert Fish Habitat Partnership
Published by Stephanie Vail [?] · August 5 at 6:37am ·

Hello Everyone and Happy #DesertFishFriday! Today's featured fish is the Mugil cephalus. A fish species commonly known as the Striped mullet. This species of fish occurs in the coastal waters of the tropical and subtropical zones. Striped mullet are found in warm, highly salty to fresh waters . They spend a great deal of time close to shore around the mouths of streams and rivers or in brackish bays, inlets, and lagoons with sand or mud bottoms (Texas Parks 2005). They of... See More

Protect. Restore. Enhance.

Desert Fish Habitat Partnership conserves native desert fish by protecting, restoring, and enhancing their habitats. Our partnership engages state and tribal fish and wildlife agencies, federal resource agencies, research and private organizations, and interested individuals.

DFHP Attended the 30th North American Fish and Wildlife Society Southwest Regional Conference

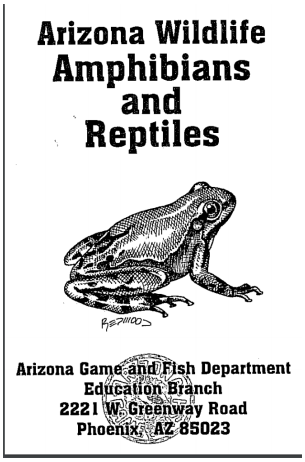
The Southwest Region of the Native American Fish and Wildlife Society held it's 30th Annual Southwest Regional Conference at the Twin Arrows Navajo Casino Resort in Flagstaff, AZ. The DFHP Executive Committee member Jess Newton and DFHP Coordinator Stephanie Vail-Muse attended. A DFHP Booth was set up and manned by Stephanie who spread the word about DFHP and the DFHP 2017 Request for Proposals.

Monthly Shout-Outs

The DFHP is now offering monthly Shout-Outs! Sign up to be on our Newsletter subscription list and get even more from your DFHP experience. Each month you'll receive a shout-out where we share with you DFHP updates, special events, and other exciting news.

Desert Fish Education Materials

Here is a selection of resources to use the next time you have a youth education and outreach event (click on the title below resource to visit webpage). Please contact us if you have materials, resources, or links to add to the list!



Published by AZGFD

Published by Trout Unlimited

Pecos River study: Killing saltcedar does not increase streamflow

Saltcedar, an introduced species choking many Texas waterways, has long been a prime suspect in dwindling streamflows. But new research has found that Tamarix, the plant in question, may have been falsely accused. Dr. Alyson McDonald, Texas A&M AgriLife Extension Service range specialist at Fort Stockton, said saltcedar was probably introduced into the U.S. as an ornamental shrub in the early 1800's. It has been very successful here and is often the predominant tree species found along many Texas waterways.

Because it is so prevalent, since the 1940's there have been multiple saltcedar control projects implemented along rivers throughout the Southwestern U.S..."It seems only logical that killing saltcedar would increase streamflow," she said.

Turns out that on the Pecos River that saltcedar water use is an insignificant component of the water budget. "So before spending taxpayer dollars to kill saltcedar for the sole purpose of increasing streamflow, it would be prudent to measure saltcedar water use. Evaporation from the river channel is about 9.5 feet per year, which is substantially greater than the amount transpired by saltcedar."

The study was conducted near Mentone on the Pecos River, where large stretches of saltcedar were killed with herbicide but no increases in streamflow resulted. "We were baffled why increases in streamflow weren't seen following saltcedar removal," McDonald said. "Were there actually no water savings or are those savings just too hard to detect on a large scale?"

The team measured sap flow to determine water use in saltcedar trees growing along the banks of the Pecos River and also evaluated stream stage and groundwater levels in monitoring wells within the saltcedar stand to find the answers. She said a previous study at the same location attributed groundwater fluctuations to saltcedar water use.

"If these fluctuations are indeed caused by saltcedar, then groundwater levels should decline as saltcedar water use peaks during the day," she said. "Similarly, if saltcedar reduces streamflow, then the effect should be evident in the stream stage. We detected a weak response in only one of the monitoring wells, and no response in the stream stage."

However, McDonald noted their findings do provide a framework for evaluating the potential for salvaging water or increasing streamflow through riparian vegetation management. "First, that framework includes determining the transpiration rate of target plants, which is dependent on environmental conditions, plant growth stage and plant species. Second, a comparison of transpiration rates versus streamflow will indicate whether or not it is possible to detect a change in streamflow resulting from reduced transpiration."So bottom line, brush control is unlikely to yield water if transpiration is a small component of the water budget. And the ratio of transpiration to streamflow will affect the impact of brush control on water yields."

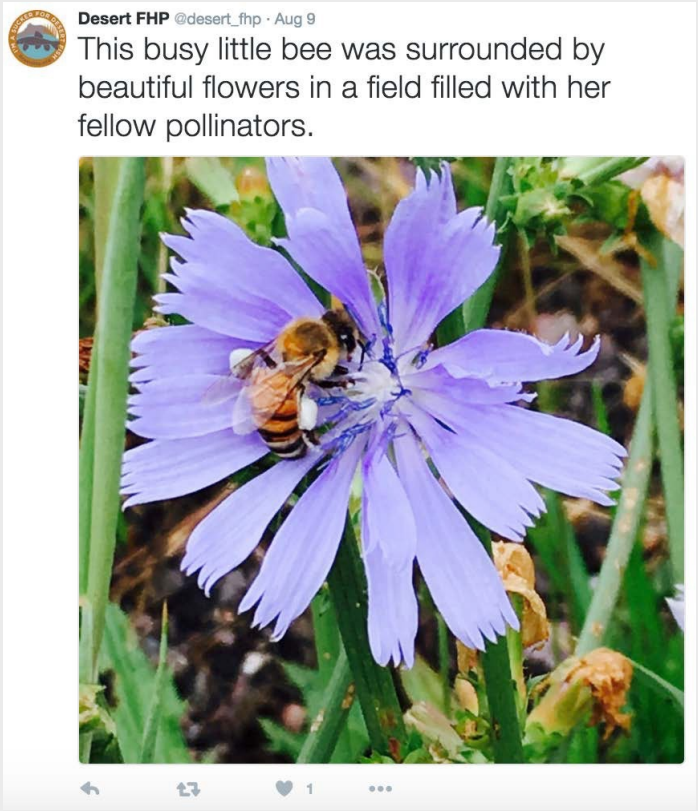
Writer: Steve Byrns, 325-653-4576, s-byrns@tamu.edu

Read the full article at: http://today.agrilife.org/2015/10/03/pecos-river-study-killing-saltcedar-does-not-increase-streamflow/

DFHP Call for Project Proposals

The Desert Fish Habitat Partnership (DFHP) is requesting submission of project proposals for the 2016 National Fish Habitat Partnership (NFHP) funding cycle and other potential funding sources. The purpose of DFHP is to conserve aquatic habitat for desert fishes by protecting, restoring and enhancing these unique habitats in cooperation with, and in support of, state fish and wildlife agencies, federal agencies, tribes, conservation organizations, local partners, and other stakeholders. Projects should directly address the habitat needs of desert fish; specifically those identified in the DFHP Framework for Strategic Conservation of Desert Fish. On-the-ground habitat conservation or restoration projects for desert fish that include multiple, diverse partners, matching resources and that can be completed within two years will be given the highest priority.

Contact the DFHP Coordinator at stephanie_vail-muse@fws.gov if you are interested in applying



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Instagram @ https://www.instagram.com/desertfhp/

Twitter @ https://twitter.com/desert_fhp/

DESERT FISH HABITAT PARTNERSHIP

Contact Us!

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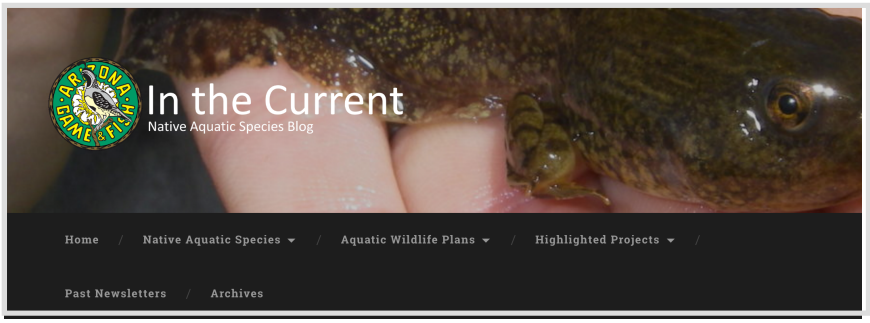
Parting Shot



Welcome to "In the Current", AZGFD's new native aquatic species conservation site. The "In the Current" website will house up-to-date information on numerous conservation projects in the Native Aquatics Program. Our goal is to keep you informed on the progress toward recovery of Arizona's endangered and sensitive native aquatic species.

Website: http://www.inthecurrent.org
FB: www.facebook.comInthecurrentorg-1630061567304679/
Instagram: https://www.instagram.com/inthecurrent_org/
Twitter: https://twitter.com/Inthecurrentaz

News from the DLCC

The DLCC is hosting a Rio Grande Basin Forum which will include a three day workshop (Spring 2017). Contact the DLCC for more information.

Don't miss the DLCC Webinar Series. They facilitate some great webinars like "The Rarest Fish in the World - Desert Fishes and Their Responses to a Changing Climate" and "Gila River Flow Needs Assessment." For more webinars, check out website or YouTube Channel.

The DFHP Annual meeting will take place in conjunction with the DFC meeting in Albuquerque, NM on November 15th in the NM FWCO Conference room.