To: Western Native Trout Initiative

Attn: Therese Thompson

Re: Final Report – "Support for the Restoration of Colorado's State Fish, The Greenback Cutthroat Trout"



July 3, 2018

We are pleased to report on final results from our WNTI small grant for this project. The project included three core deliverables benefiting Greenback cutthroat trout: purchase and installation of circular tanks to enhance rearing capacity for Greenbacks at Mt. Shavano state fish hatchery; development of materials (photo/video) for use with greenback outreach; and design and installation of interpretive signs at five key locations.

Rearing tanks – Mt. Shavano Hatchery Isolation Unit. Colorado TU purchased four



24" circular tanks (plus the accompanying tank skirts and Glassed coupling drains) from Gemini Fiberglass and had them shipped to the Colorado Parks and Wildlife Mt. Shavano Hatchery. Colorado Parks and Wildlife then installed the tanks and have used them in rearing greenbacks spawned from Zimmerman Lake for stocking in restoration waters.

CPW's Bryan Johnson, manager of the Mt. Shavano unit, reported: "The circular tanks purchased through the WNTI Grant are working out great! The small circular tanks purchased by Trout Unlimited have played an important role in the continued broodstock development and restoration work being done on the greenback cutthroat trout. These



small circular tanks have allowed us the ability to keep additional groups of cutthroats separate during their time at the Salida Isolation Unit (SIU). We have had them up and running since early this spring and have utilized them to raise 2016 greenback cutthroat offspring from Lake Zimmerman. These 2016 cutthroats were stocked in July and August 2017 into newly reclaimed Dry Gulch and will be evaluated sometime this fall in their new home." In 2017, there were eight different spawn pairings produced by the greenback broodstocks. The offspring were kept separate in the small circulars for nearly a year until they were ready to be marked for broodstock or stocked into

reclamation waters. In the next few weeks, the remaining greenbacks from the 2017 spawn will be released as 1-year old fish into several reclamation waters in their historic range. Total production will be around 5,000 1-year old fish that were held in the new circulars during their time at the hatchery.

Collecting/creating content for Greenback outreach; communication networks. The Pikes Peak Chapter of TU helped supervise a summer intern (over two summers), Colton Gully, who – alongside chapter volunteers – helped to generate a range of content for use with greenback outreach. Available products include photographs, video, and audio podcasts. These materials have been used by Colorado TU and the Pikes Peak Chapter, as well as made available to our agency partners and to WNTI, for use in public outreach and education.



A video – "Dream of Greenbacks" – features some of the Bear Creek footage that was captured and can be viewed at:

https://vimeo.com/141689484
We have provided Google docs access to other materials assembled by the Pikes Peak Chapter to WNTI Coordinator Therese Thompson.

In addition, Colorado TU has included a native trout page — with subpages for Colorado's subspecies of cutthroat trout — as part of our recent launch of an updated website platform. The page includes links to relevant partners, agency reports, media coverage, video clips, and volunteer opportunities. The pages can be visited at: https://coloradotu.org/native-trout/ and specific to this project and greenback restoration at: https://coloradotu.org/greenback-cutthroat-recovery-efforts.

To help tell the story of specific projects – and serve as a location from which to educate prospective donors – Colorado TU also has established some project specific websites for the Rock Creek and Poudre Headwaters restoration areas. These pages can be seen at: https://coloradotu.org/rockcreek & https://coloradotu.org/poudre-headwaters-restoration. We also produced a hard-copy brochure for the Rock Creek restoration work (downloadable in digital format from the page link) which is being shared with customers of Basin + Bend, which is donating 11% of its sales proceeds from July – September 2018 to that project. The brochure is available for distribution to other interested parties.

To facilitate ongoing volunteer communication and coordination, Colorado TU launched a TU Greenback Working Group, with participation/representation from chapters throughout the Greenback's range from the Pikes Peak Chapter to the Rocky Mountain Flycasters in Ft. Collins. The group has 1-2 in person meetings each year along with periodic phone conferences to ensure ongoing communication about upcoming projects, funding and volunteer needs. Apart from assisting us with better internal coordination for

TU, the effort has simplified engagement for our agency partners by enabling them to work through a single central point of contact and have information distributed out through the TU network. The Working Group has helped coordinate manpower for efforts from backpacking fish in for stocking in Herman Gulch, to assisting with beaver dam removal work on Black Canyon (tributary to Rock Creek).

Interpretive signs. Working with Jeremy Carlson (who previously designed posters for other native trout outreach with the Rio Grande cutthroat, Apache and Gila trout), and in partnership with the US Forest Service, Colorado Parks and Wildlife, and US Fish and Wildlife Service, we developed a series of interpretive signs for use at the Leadville National Fish Hatchery, Mt. Shavano Hatchery, and at four (one more than in our proposal) trailheads by restoration locations – Rock Creek, Square Top Lakes, Herman Gulch, and Zimmerman Lake. Each sign has basic design elements in common, but features a central panel specific to its location.

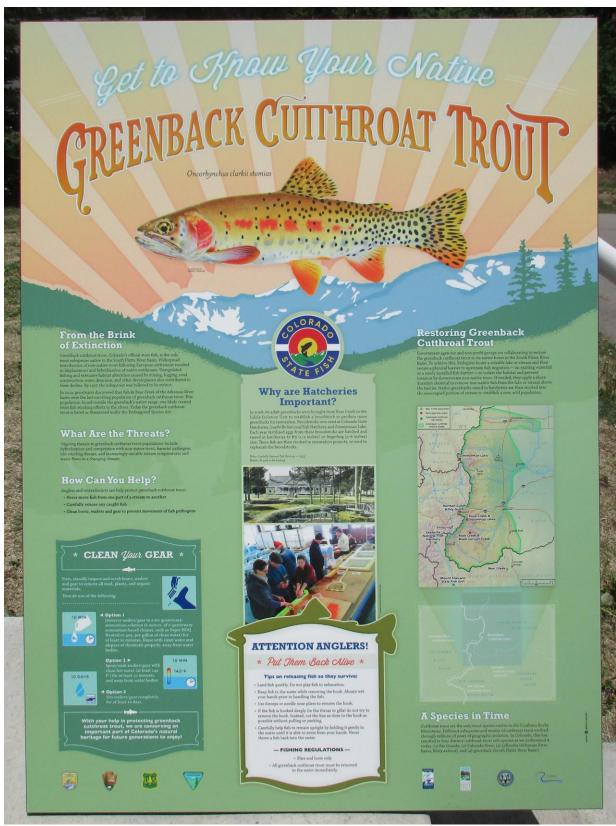
Signs for both hatcheries have been produced and delivered for installation on site; signs for locations on the Pike-San Isabel National Forests have been completed as well, while the signs for the two Arapaho-Roosevelt National Forest locations are currently in production and will be delivered for installation later this year. A copy of the Leadville sign is included on the following page.

The design and content development for these signs will also provide a starting point for a modified poster design that we hope to complete and print later this year, for broader distribution through agency information centers, fly shops, and other local partners within the Greenback's range (present and historic).

Final Project Expenditures:

Description of Service or Activity	Match Dollars	WNTI Grant Dollars
Purchase 4 circular tanks for Mt Shavano Hatchery	\$104	\$2,000
Install tanks at the Mt Shavano Hatchery Isolation unit	\$1,000 (estimated in-kind)	0
Collect photo and video content of Green back spawning at Zimmerman Lake, fish rearing at the hatcheries, and restoration efforts at Rock Creek and Herman Gulch	\$8,000 (estimated in- kind; includes summer intern & volunteer labor)	0
Design and build IT infrastructure to include new and updated websites and cloud storage	\$1,900 (estimated in-kind)	0
Design signage from Greenback content	\$3,065	
Produce signage	\$2,038	\$1,000
Install signage	Pending (in-kind)	

Budget Totals	\$5,207 (cash) plus \$10,900 (in-kind)	\$3,000



A photograph of the completed Leadville NFH sign.