

NOTE TO THE READER

04/14/2022

In lieu of retracting and resubmitting the entire Annual Report to FERC, the following corrections to pages 9, 10 and 13 of the 2021 Annual Summary Report should be noted.

Pages 9 and 10:

The sentence, “The TRRG is currently active in planning, funding, and implementation of additional restoration projects for the lower Tuolumne River.”, should be disregarded from the bottom of the second paragraph on page 10, and the following sentence, “The TRRG currently provides a forum for active planning, funding, and implementation of restoration projects on the lower Tuolumne River.”, should be placed at the bottom of the second paragraph on page 9.

Page 13: The following acronyms were added to the list:

TRC	Tuolumne River Conservancy
TRRG	Tuolumne River Restoration Group

## **5 – TRTAC Habitat Restoration Activities**

As directed under the 1995 FSA, the TRTAC developed ten top priority habitat restoration projects aimed at improving both geomorphic and biological components of the lower Tuolumne River corridor. TID had acted as the Project Manager on behalf of the TRTAC for implementation of grant funding of several projects.

In September 2019, a decision was made by the TRTAC to form a Tuolumne River Restoration Group (TRRG) to discuss identifying projects and funding that may become available in the near term. The group is open to all interested parties with an invitation list that included but was not restricted to various federal and state agencies along with public and private citizen organizations. The Tuolumne River Restoration Group held three meetings (July, September, December) in 2021 and posts meeting notes and materials on the TRTAC website at: <http://tuolumnerivertac.com/>. The TRRG is currently active in planning, funding, and implementation of additional restoration projects for the lower Tuolumne River.

The table below lists previous TRTAC restoration projects under three categories (Channel and Riparian Restoration, Predator Isolation, and Sediment Management).

<b>TRTAC Habitat Restoration Projects</b>	<b>Current Status</b>
<b>Channel and Riparian Restoration Projects</b>	
Gravel Mining Reach Phase I (7-11 Segment)	Completed in 2003.
Gravel Mining Reach Phase II (MJ Ruddy Segment)	Design work and cost estimate completed in 2000*
Gravel Mining Reach Phase III (Warner-Deardorff Segment)	Design work and cost estimate completed in 2000*
Gravel Mining Reach Phase IV (Reed Segment)	Design work and cost estimate completed in 2000*
<b>Predator Isolation Projects</b>	
Special Run-Pool (SRP) 9	Completed in 2001.
Special Run-Pool (SRP) 10	Phase I hydraulic modeling and design completed in 2006. No Phase II funding for acquisition and construction has been identified.
<b>Sediment Management Projects</b>	
Riffle Cleaning (Fine sediment)	Survival to emergence study and pool sand volume assessment completed. Funding and permitting of Riffle Cleaning to be determined.
Gasburg Creek basin (Fine sediment)	Completed in 2007.
Gravel augmentation near La Grange (Coarse sediment)	Coarse Sediment Management Plan and Design Manual completed in 2006.
River Mile 43 (Coarse sediment)	Completed in 2005.

\* Permitting and implementation funding to be determined.

Four of the ten identified TRTAC projects have been completed. Three other projects followed a

rigorous and competitive review/selection process, with substantial CALFED grant funding being approved. However, as reviewed in previous annual reports, funding for these projects was later withheld. Considerable FSA and the federal AFRP funds were expended for extensive related pre-project efforts, including proposal development and refinement, completion of the Habitat Restoration Plan, the Floodway Restoration Design Manual, and the Coarse Sediment Management Plan. Two of the projects were partially implemented, and the remaining project (Gravel Mining Reach Phase IV) had a cost estimate developed and was pending completion of the prior channel restoration projects.

A restoration project at Bobcat Flat (RM 43) initiated in two phases by the Friends of the Tuolumne (now Tuolumne River Conservancy) in 2005 was completed in September 2011, with post-project monitoring by FWS occurring in 2012–2014. Implementation for Phase III of the Bobcat Flat restoration project is scheduled to begin in 2022 managed by Tuolumne River Conservancy.

## **6 – Tuolumne River Technical Advisory Committee (TRTAC)**

Four quarterly TRTAC meetings were held in 2021: March, June, September, and December. Attachment B contains the 2021 TRTAC meeting agendas, summaries, handouts, and other materials. The website (<http://tuolumnerivertac.com/>) posts various TRTAC related items (documents, reports, correspondence, meeting materials) and other fishery/habitat information.

NMFS	National Marine Fisheries Service
NOAA Fisheries	also National Marine Fisheries Service
NOI	Notice of Intent
NRCS	Natural Resources Conservation Service
NWFSC	Northwest Fisheries Science Center
NWS	National Weather Service
OMR	Old and Middle Rivers
ORNL	Oak Ridge National Laboratory
PFMC	Pacific Fishery Management Council
<u>R(letter and/or #)</u>	specific riffle (location identifier, e.g. RA7 is Riffle A7)
RM	river mile
RST	rotary screw trap
SI	Sacramento Index
SJR	San Joaquin River
SJRA	San Joaquin River Agreement
SJRG	San Joaquin River Group Authority
SRP	Special Run/Pool (mined area of river, usually with #, e.g. SRP 9)
SWP	State Water Project
TID	Turlock Irrigation District
TRC	Tuolumne River Conservancy
TRE	Tuolumne River Expeditions
TRRG	Tuolumne River Restoration Group
TRT	Tuolumne River Trust
TRTAC	Tuolumne River Technical Advisory Committee
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
UHMW	Ultra High Molecular Weight
VAMP	Vernalis Adaptive Management Plan
WOMT	Water Operations Management Team
WT	water temperature
WY	Water Year
YOY	Young of Year