



Trinity River Restoration Program

P.O. Box 1300, 1313 South Main Street, Weaverville, California 96093
Telephone: 530-623-1800, Fax: 530-623-5944

NC-150

MEMORANDUM

To: TMC

From: Caryn Hunt DeCarlo, Executive Director
Trinity River Restoration Program

Subject: Director's Report

Date: September 5, 2018

Major TRRP activities between July and September 2018 include: Multiple staff continued to work on development and processing of acquisition grant, contract and tribal agreement packages for FY18 Program expenditures. Cost estimation efforts, as well as continued work on environmental compliance and permitting, occurred for both Dutch Creek and Phase I of Chapman Ranch. A Program-wide Refinements Workshop was held at the TRRP Program Office with TMC and Program managers. Technical Workgroups continued efforts on defining metrics and work on synthesis reports.

Work in the TRRP Program Office has been impacted for more than a month due to the Carr Fire including many power outages, road closures, staff being evacuated from their homes or cut off from reporting to the office by Hwy 299 closure, and weeks of lack of access to computer drives and/or functional computer operations.

Organizational Updates

- TRRP Science Coordinator Jenny Norris has accepted a lateral to the Deputy Field Supervisor position at the Arcata Fish and Wildlife Office. USFWS states that Jenny will still be involved with the TRRP in this new position and that the USFWS Arcata Office will continue to support TRRP's Partnerships and mission and be actively engaged in the Program. As Executive Director I would like to thank Jenny for her work as Science Coordinator for the Program.
- Northern California Area Office Budget Analyst Linsey Walker is in a third 4-month detail as TRRP's Indian Self-Determination Specialist. The permanent position should be advertised soon and filled this fall.
- Yurok Tribe vice-Andreas Krause position: A selection was not made from the first announcement and the position will be reflowed this fall.
- Justin Alvarez was selected for the Hoopa Valley Tribe Habitat Division Lead position.
- USFWS vice-Joe Polos, Supervisory Fish Biologist, and vice-Todd Buxton, Fish Biologist, positions remain in the recruitment queue.

- Reclamation Regional Director David Murillo is retiring in November. David held an All Employee meeting at TRRP at the end of August and the Executive Director read the appreciation letter from the TMC members and presented him with a Trinity River TRRP picture plaque.

Science Update

The focus in the last quarter has been continuation of defining and refining the programmatic metrics within the workgroups and work on synthesis reports. The Flow WG provided IDT with recommendations on revisions to the stream gauging. IDT had discussions on the stream gauge network review and recommendations will be provided on IDT agreed upon revisions, as well as potential revisions that did not have consensus. IDT discussed changing the Wildlife/Riparian WG Charter to also include aquatic and riparian ecology and these changes will be presented to TMC.

Attachments

Appendix I: Technical Work Groups' briefings.

Appendix II: Synthesis Reports Timeline Updated

Appendix III: Metrics Table Updated

Implementation Update

Junction City House: The property owner of 391 River Acres Road remains interested in working with the program to elevate his house out of the maximum fisheries flow (MFF) line. An initial draft agreement has been prepared for review by the Solicitor, but is not able to be reviewed until after year-end Solicitor priorities. Our land surveyor has prepared an elevation certificate for the house to guide the development of bids by the owner; it is awaiting signature pending resolution of FEMA questions unrelated to the project. Staff met with Trinity County's Planning Building Departments to discuss permitting requirements. In order to permit construction, the County will require the structure to be elevated two feet above the hundred year flood elevation. The homeowner is aware that he would be responsible for the difference in cost between elevating out of MFF and elevating out of the 100 flood. A related initiative is being undertaken by the County to seek a FEMA grant to bring structures within the Helena Fire footprint that were constructed before a regulated floodplain was established into compliance.

Hamilton Pond dredging: Planning is underway for the dredging of the Hamilton sediment retention ponds on Grass Valley Creek. A Biological Assessment was submitted to NMFS for initial review on August 7 and submitted formally on August 14. This requires a fairly quick turnaround from NMFS to be able to implement the project this year. If a Biological Opinion is received in time, we intend to dredge the pond the last week of September.

Dutch Creek and Evans Bar test pitting: We received a decision memo from USFS authorizing the digging of test pits within the Dutch Creek and Evans Bar ESLs on August 2. The test pits were planned to confirm the presence of sufficient quantities of usable rock as called for in the design, as well as confirm bedrock depths estimated from earlier Dutch Creek site seismic surveys. Approximately 30 test pits were dug up to 15 feet in depth (or until water or bedrock,

whichever is less) during the week of August 20 by Yurok Tribe staff; a report summarizing the findings is forthcoming from Reclamation Mid-Pacific Regional Office geology staff.

Dutch Creek Channel Rehabilitation Site: Development of the detailed 80% design report is ongoing. A full administrative draft of the EA should be circulated to the action agencies this week. A public draft should be released for comment in mid-October, with a public meeting in the latter part of that month and a decision document to follow in January of 2019. The project is planned for construction in summer of 2019.

Chapman Ranch Channel Rehabilitation Site: The Chapman Ranch design is nearing a 90% report (again) following adjustments to feature boundaries to accommodate BLM cultural resource concerns related to historic tailings piles. Early development of the Phase I EA has started, and a public draft is expected in the fall. In the event of problems with implementing Dutch Creek, construction of Phase I could take place in summer of 2019. In the event of additional funding availability, some grading work at Chapman could occur along with construction at Dutch Creek.

Sky Ranch Channel Rehabilitation Site: Feedback received from the value engineering study and from the Design Team comments on the 30% design report were discussed at a design team meeting in June. An alternative to be advanced for further design development will be presented to the Design Team in mid-fall and will likely be presented to TMC in December.

Oregon Gulch Channel Rehabilitation Site: Same status as Sky Ranch; see above.

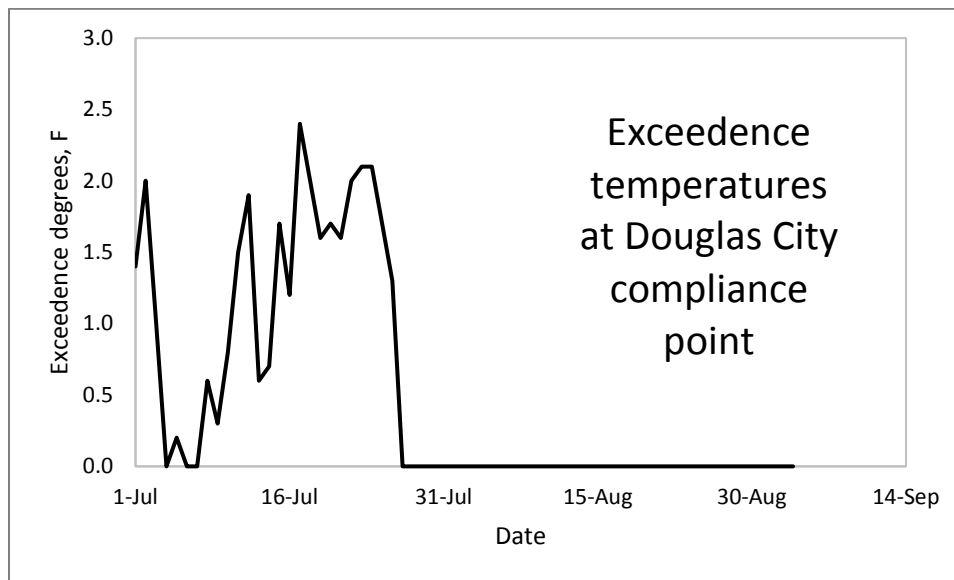
Past project revegetation: The 2018 irrigation season is well underway at the Deep Gulch, Sheridan Creek, and Bucktail sites. Hoopa Valley Tribal Fisheries technicians have been visiting these sites for one day every week, or every two weeks, depending on weather conditions. There were interruptions of irrigation at Sheridan Creek due to access issues and at Bucktail during the Carr Fire evacuation; however, survival seems remarkably good in spite of those challenges. Irrigation is planned to continue through mid-October, or until the fall rains begin.

Watershed restoration funding: Additional minor edits to the Funding Opportunity Announcement (FOA), Application Template, and Evaluation Criteria were made following feedback from the TMC in June. The FOA is expected to open for one month on October 1, allowing projects to be reviewed in November prior to presentation to TMC in December as a recommendation. The updated template and evaluation criteria are included as an Appendix IV and Appendix V in this report.

2018 Flow Release – Carr Fire Impacts and Fall Flows:

Carr Fire impacts to the Carr powerplant necessitated curtailing flow withdrawals from Lewiston Reservoir via the Carr Tunnel beginning July 26, 2018. Discharges from Trinity Lake to Lewiston Reservoir were adjusted lower on this date to reflect the lack of diversion through Carr Tunnel. This effect would have caused the temperature of water released to the Trinity River to increase due to longer travel times for flow through Lewiston Reservoir. To avoid this impact and meet temperature objectives at the Douglas City compliance point, flow releases to the Trinity River were increased from the summer baseflow discharge of 450 cfs to between 800 and

1,000 cfs beginning July 26, 2018. Flows were decreased to around 700 cfs on 8/24 when augmentation releases to the lower Klamath River were implemented using an adaptive approach by Long Term Plan Technical Team, comprised of agency and tribal fish biologists and pathologists. Flows are currently around 700 cfs, but subject to change based on real-time review of the environmental setting in the lower Klamath River.



Other Compliance:

FEMA:

There are no significant updates to report regarding filing of Letters of Map Revision with FEMA during this quarter.

USFWS and NMFS Biological Assessment (BA) updates to reinstate ESA Section 7

A Request for Quotes for a contract was released on August 13 and was open for two weeks. We hope to select a contractor and award contract to complete development of programmatic Biological Assessments in the month of September.

Revegetation Compliance:

TRRP is pursuing finalization of the Riparian Revegetation and Monitoring Plan (RRMP). TRRP has implemented various forms of the RRMP since 2005. The regulatory agencies that have authority to approve the RRMP are the North Coast Regional Water Quality Control Board, California Department of Fish and Wildlife, and the Army Corps of Engineers. These agencies are now reviewing monitoring reports that used the current version of the RRMP for rehabilitation projects LJC, UDC, and LKG. TRRP staff are working with regulatory agency staff to finalize a “living” version of the RRMP that includes measurable metrics for riparian revegetation that are meaningful for restoring vegetation functions to the Trinity River. The RRMP is intended to be distributed to interested parties and updated over time as needed.

Proposed Wildlife and Riparian Workgroup Change:

The TRRP's IDT recognizes that basic ecological processes like disturbance, succession, and trophic interactions are at the heart of our goals to restore a healthy river and fishery. Although the TRFE recognized the importance of stream ecology, the current WG structure doesn't provide a venue to discuss these topics. The IDT considered 3 alternatives: an entirely new river Health / Stream Ecology WG, an IDT subgroup, or amending the charter of the Wildlife and Riparian WG. After deliberation, the IDT unanimously decided to recommend the third alternative to TMC (amend the WRWG charter to include Aquatic Ecology) and also to change the WRWG status from *ad hoc* to active.

Public Outreach Update

Publications and Education Materials

- *July 2018* – TRRP sponsored a Trinity River photograph contest and submissions will be published in 2019 Trinity County Resource Conservation District (TCRCD) Calendar
- *July 2018* – Article on the Deep Gulch and Sheridan Creek restoration project published in Fishing in the California Alps newsletter
- *August 2018* – TCRCD Conservation Almanac Summer 2018 published article on in-river salmon habitat restoration
- *TRRP Annual Report*: 2017 report is in progress and expected to be finalized this fall

Public Events and Environmental Education

- *July 9-27, 2018* – Weaverville Summer Day Camp included TRRP staff who provided environmental education to 34 area elementary students
- *June 27, 2018* – TRRP Public Float held to share future and recent channel rehabilitation projects with 30 residents from Junction City, where future rehab projects are focused
- *July 19, 2018* – TRRP Public Float with area residents to discuss TRRP restoration activities on the upper Trinity River – 35 members of the public attended as well as staff from several TRRP Partners
- *August 10-12, 2017* - TRRP presented information and provided outreach at the Trinity County Fair with the TCRCD

Landowner and One-on-one Meetings

- TRRP staff continue to meet both in the field and in the office with private property owners located on or near proposed channel rehabilitation projects in the Junction City area as well as other landowners in Trinity County.

Upcoming

- *September 12-13, 2018* – Environmental Camp at Bar 717 provides watershed education and stewardship to area youth and TRRP staff will be participating
- *September 22, 2018* – TRRP staff participation planned in the USFS River Clean-Up
- TRRP is coordinating with BLM and TCRCD to develop and install interpretative signage for the Bucktail channel rehabilitation site

TRRP Budget

In the March 2018 TMC quarterly meeting it was agreed that the Executive Director would present any changes to the approved budgets at each quarterly meeting and new items would require TMC approval.

Budget changes approved by TMC in the June 2018 TMC meeting focused on funding selected approved FY19 budget items in order to obligate \$986k available FY18 funds due to changes in circumstances in the FY18 budget. (\$986k is increased by \$42k additional deobligated funds).

The status of this effort is shown below, with difficulties of starting past Reclamation contracting submittal dates and required Solicitor reviews pending in large workload. The fiscal year contracting deadline to obligate funds for FY18 is September 21.

Table Shading Key:

Obligated

Pending obligation up to available funding (Reclamation contracting deadline is 9/21)

Beyond available funding/also difficult to obligate; not pursued

FY18 Budget:

Explanation	FY18 TMC Approved in Dec meeting	New FY18 Funding Request	FY19 TMC Approved Amount
YT Large Wood (already approved by TMC in Dec priorities for surplus)	\$100,000		
HVT and YT Technical Assistance for Chapman Ranch (\$40k) and OR Gulch (\$35k TSC) for increased effort on complex designs		(\$75,000) \$35k \$40k	
FEMA/Flood Compliance – Denver TSC			*\$70,000
Annual Report – Denver TSC			*\$25,000
CA DWR agreement			\$149,879
BLM 5-year interagency agreement			\$60,527
NOAA 5-year interagency agreement			\$138,678
FS 5-year interagency agreement			\$167,570
Notetaker 5-year Contract			\$24,000 \$8,726
YT Large Wood - AFA			\$291,000
CDFW agreement			\$361,500
Total	\$1,467,988	\$75,000	\$1,292,988

One FY18 project, Hamilton Ponds dredging under the site enhancement budget, was developed during recent months with an additional \$39,000 cost to fully accomplish the desired goals. Partially funding at lower amount was determined not to be feasible. It was also determined that Dutch Creek test pits were required and Reclamation Regional Geologist costs were \$50k. Based on expected end of year obligation totals, both these amounts are within available budget.

FY19 Budget: The Executive Director's proposed FY19 TRRP Budget was approved by TMC in the March 2018 TMC quarterly meeting. The budget was developed using Reclamation's same funding amounts as available under the FY18 Continuing Resolution (\$11,911,000) and an estimated \$1.5 million from Reclamation CVPIA; these amounts are not expected to change.

The amount provided to TRRP by FWS for FY19 tribal fisheries monitoring and survey projects are from FWS FY18 funds and has already been obligated in the amount of \$749,392 (\$270,905 more than the previous year).

The FY19 FWS TRRP budget is estimated at \$1,472,305. Part of the funds made available in the FY19 FWS budget for TRRP remain with FWS for staff and operations costs, and part are provided to TRRP at the end of the fiscal year for the 2020 tribal monitoring/survey projects.

Changes made to the FY19 budget since the last quarterly meeting in June are listed below:

- Reduction of FY19 funding items approved by TMC, but funded instead in FY18.
- \$200k added for JC House elevation approved by TMC for funding, but not feasible to implement in 2018.
- Additional item identified for funding needs: Required 5-year riparian mapping project needed for required rehab project compliance (\$123,622).

Additional funding changes anticipated during the FY19 fiscal year:

- Trinity County pre and post construction road survey and road repairs for rehab project (TC is appropriate entity to do this; funding TC would reduce rehab project total).
- Changes in project amounts based on changes in various entities' Indirect rates. The changed project budget totals will be calculated during agreement development and reported to TMC in quarterly budget updates.
- Finalization of decisions on rehab project(s) to be implemented in summer of 2019 and associated costs.

Trinity River Restoration Program Refinements

Chad Smith and Bridget Barron of Headwaters Corporation have completed tasks 1-5 and part of 6 of the Refinements contract. Chad and Bridget attended the September TMC meeting and presented at the December TMC meeting via phone. Chad held Coordination Team Meeting teleconferences on November 27, 2017, June 7, 2018 and August 14, 2018. Chad held a TMC Refinements Workshop in Weaverville on August 29, 2018.

Following are Refinement contract Tasks and status of each:

Tasks 1-2: Review of Key TRRP Documents - COMPLETED

Deliverable: Summarize Program Goals and Objectives

Status: Final Report complete and submitted to Reclamation Contract Officer

Task 3: TRRP Interviews – COMPLETED

Deliverable: Summary of Interview Responses

Status: Held face-to-face interviews September 19-27 as well as phone interviews. Review Draft report to Coordination Team October 2017, prepared Final TRRP Interviews Summary Report.

Task 4: Summarize Strengths / Weaknesses of TRRP Organizational Structure – **COMPLETED**
Deliverable: Strengths and Weaknesses Summary Review Draft prepared and provided to Coordination Team for comments.

Task 5: Present Strengths & Weaknesses Report to Coordination Team and Develop Actionable Recommendations for Program Refinements – **COMPLETED**
Deliverables: Draft Report with Actionable Items and Summary PowerPoint Presentation
Status: Summer 2018

- Deliver Strengths & Weaknesses report to Coordination Team – Done (Review Draft)
- One-day webinar with Coordination Team – Call held June 7 and followed up with a webinar August 15th.
- Draft report on Refinements – First be delivered to/discussed with Coordination Team on August 15th and then presented to TMC on August 29th.
- Summary table for Governance and AM components/subcomponents – Done, included in Strengths & Weaknesses report.
- PowerPoint presentation – Done: prepared for TMC meeting held August 29th.

Task 6: Facilitate Discussion among TMC and TRRP on Actionable Items/Power Point Presentation/Final Report - **ONGOING**
Deliverable: Final Report – Final report with responses to comments and indication of majority consensus and plan for implementation estimated for October/November 2018
Status: PowerPoint presentation and Refinements report presented to TRRP in one-day facilitated workshop – held August 29, 2018

Task 7: Remain Available to Assist with Oversight & Implementation of Recommendations – **ONGOING**. Begins after delivery of Final Report in Task 6.
Deliverables: Quarterly Status Reviews and meetings minutes, final presentation on status of recommended Program refinements
Status: August 2018-July 2019, including quarterly conference calls/webinars with the Coordination Team and final presentation to TRRP in July 2019

Publications and Reports:

- Boyce, J. and D. H Goodman. 2018. [Large wood placement at channel rehabilitation sites by the Trinity River Restoration Program, 2005-2016](#). Report TR 2018-57 for the Trinity River Restoration Program (TRRP). Arcata, California.
- Perry, R. W., J. M Plumb, E. C Jones, N. A Som, N. J Hetrick, and T. B Hardy. 2018. [Model structure of the Stream Salmonid Simulator \(S3\) - a dynamic model for simulating growth, movement, and survival of juvenile salmonids](#). Report 2018-1056 for the Trinity River Restoration Program (TRRP). U.S. Geological Survey, Reston, Virginia. DOI: 10.3133/ofr20181056.

Data Packages:

- No new data packages.

Appendix I: Technical Workgroup Briefings September 2018

Updates have been prepared by the Trinity River Restoration Program (TRRP) technical workgroup (WG) coordinators for the Trinity Management Council.

Workgroup: Fish

Coordinator: Ken Lindke

The fish Workgroup met on 25 June with the intent of consensus on objectives and metrics for adult salmon and steelhead abundance and harvest. No changes were proposed to Program objectives for abundance or harvest, and consensus was reached on the appropriate metrics to be used to inform objectives for abundance of fall and spring Chinook salmon, Coho salmon, and steelhead. There are no specific quantitative objectives for harvest of any species, and the group did not propose or agree on any. However, consensus was reached on harvest metrics for fall Chinook salmon and Coho salmon. Consensus was not reached on harvest metrics for spring Chinook or steelhead.

Workgroup: Design

Coordinator: Mike Dixon

The Design Team met on June 28. We received an informational presentation from Don Ashton on the foothill yellow legged frog assessment model, and the results when it was applied to the Chapman Ranch design. The group feels that this is an important model and it will likely be incorporated as additional information in design evaluation. There was a presentation on the proposals from the recent value engineering study on the Oregon Gulch and Sky Ranch projects, which segued into a discussion of the feedback received on the 30% design reports and next steps for those projects. Refined alternatives to be advanced to the next stage of design development will be presented to the Design Team in mid-late fall. Finally, we discussed the effort to create a standardized design report template, which will be the topic of a standalone meeting on October 2.

Workgroup: Flow

Coordinator: Todd Buxton

The Flow Workgroup met on July 26th to discuss FYFAM modeling of Foothill yellow-legged frog recruitment and flow metrics associated with flow objectives. The meeting was also held during the Carr fire-related Carr tunnel diversions, so the group listened into a conference call held by CVO addressing steps they were taking to prevent high water temperatures in Lewiston reservoir, among other topics. The Flow WG Coordinator (TRRP Hyrdologist) was in close contact with CVO as Lewiston dam releases were being adjusted above summer base-flow in response to the Carr Fire's effect on power generation and Trinity River flow management and temperatures. The group revised several flow objectives and provided considerations for their metrics.

Workgroup: Watershed

Coordinator: Eric Wiseman

No meetings were held this last quarter. All of the FY18 watershed projects approved by TMC last spring, including in a TMC Special Meeting, have been awarded with the final one just awarded. The Funding Opportunity Announcement for FY19 projects was developed by various WG and other TRRP staff, months earlier than last year, and is scheduled to open as soon as October 1. This will facilitate a joint Watershed WG/IDT review of projects during November in time for a recommendation to the TMC in December. This earlier-in-the-fiscal year schedule has been pursued, and gradually moved up as is feasible, the past two years which will allow for more assurance to successfully develop agreements and obligate TRRP funds during the fiscal year.

Workgroup: Physical**Coordinator:** Wes Smith

The Physical Workgroup met on July 12th to discuss the physical objectives and metrics. We made a few refinements to several objectives and outlined metrics for these objectives. We also began the important task of outlining desired conditions or targets for the metrics, the evaluation frequency, and data sources and analyses required. This is still a work in progress.

Workgroup: Wildlife and Riparian**Coordinator:** James Lee

The Wildlife and Riparian Workgroup did not meet this quarter. Workgroup members have worked individually or collaboratively on the following: Submitted the latest revised Riparian Revegetation and Monitoring Plan to responsible agencies for approval; Provided Dutch Creek Revegetation Design information for the Dutch Creek EA/IS environmental document; adapted a proposed workgroup charter to include aquatic ecology topics; Reviewed the initial draft of the WY 2017 TRRP Riparian Monitoring Report.

Appendix II: Timeline for Synthesis Reports

Update September 2018 TMC

(TMC Approved in FY18)

Project	Brief Title	Proposed Completion Date	March 2018	June 2018	September 2018
TRRP-2018-007	Juvenile Chinook Production	FY17	July 31, 2018 (draft for review)	No change	FY 19: 1 st Quarter
TRRP-2018-018	Bed Mobility and Scour	FY18: 3 rd Quarter	FY19: 2 nd Quarter	FY19: 3 rd Quarter	No change
TRRP-2018-022	Sediment Storage	FY 18: 4 th Quarter	FY19: 3 rd Quarter	No change	No change
TRRP-2018-033	Large Wood Management	FY 18: 4 th Quarter	?	FY 19: 4 th Quarter	
TRRP-2018-019	Cottonwood Seed Dispersal	FY 18: 4 th Quarter	FY19: 3 rd Quarter	No change	No change
TRRP-2018-021	Riparian Encroachment	FY 18: 4 th Quarter	FY19: 3 rd Quarter	No change	No change
TRRP-2018-011	Adult Salmon Spawning	FY 19: 2 nd Quarter	On schedule	On schedule	FY 19: 3 rd Quarter
TRRP-2018-002	Tributary Delta	FY 19: 2 nd Quarter	?	On schedule	?FY 19: 3 rd Quarter
TRRP-2018-003	Fish Habitat	FY 19: 2 nd Quarter	On schedule	On schedule	On schedule
TRRP-2018-009	Cohort Reconstruction	FY 19: 2 nd Quarter	FY 19: 3 rd Quarter	No change	?No change
TRRP-2018-025	Channel Complexity	FY 19: 2 nd Quarter	FY 19: 4 th Quarter	No change	? FY20 ?
TRRP-2018-032	Water Temperature	FY20: 1 st Quarter	?	FY20: 2 nd Quarter	No change
TRRP-2018-027	Fine Sediment	FY20 4 th Quarter	FY21 ?	No change	? FY21 ?

Appendix III: – Metrics Table provided separately

Appendix IV: 2019 Watershed Application Proposal Template

Section 1: Summary Information

1. Project Category : <i>State whether the project is Fine Sediment Reduction and Prevention, Fish Habitat Connectivity Improvements or Both; also indicate purpose(s) of proposal (Planning and Design, Implementation, Monitoring)</i>	
2. Project title:	
3. Applicant name:	
4. Contact person:	
5. Address:	
6. City, State, Zip:	
7. Telephone #:	
8. Email address:	
9. Type:	Public Agency ☐ Nonprofit Organization ☐ Indian Tribe ☐ Other ☐
10. Amount requested: <i>Amount requested from TRRP, from budget detail.</i>	
11. Total project cost: <i>Sum of amount requested plus all cost share funds and services, from budget detail. If project requests funds for multiple years, indicate amounts by year.</i>	
12. Project objectives: <i>Summarize specific measurable project objectives and expected results in a few sentences. Maximum of 255 characters.</i>	
13. Time frame: <i>Provide estimated time line (start and end dates) for the project from project initiation to completion.</i>	
14. Stream: <i>Name all streams which will be directly affected by the project.</i>	

Section 2: Location Information

1. Location description: <i>Provide a general description of the project location and the nature of the work site in relation to known landmarks, with reference to attached drawings and maps. Include the number of miles upstream of the mouth of the creek/river (mainstem) and number of miles upstream of a confluence (tributary).</i>	
2. Directions: <i>Provide driving directions to the project site, with needed landowner contacts and indicate if locked gates exist. Indicate if there are restrictions to road use.</i>	

Section 3: Watershed Information

1. Watershed name: Name the watershed or subwatershed which best identifies the habitat area benefited by the project.	
2. Total Watershed Area: Watershed area in square miles within which the project is located. Use acres.	
3. Background Information: Provide background information, referencing historical land use, past practices, local conditions, watershed plans, studies and other sources. Reference attached figures, tables, maps and photos if necessary. Do not describe the project here.	
4. Land use: Describe current and anticipated future (next 10 years) land uses in the watershed. Is land private, Federally owned or other?	
5. Need for Project (1 page maximum): Briefly summarize the need for the project based on historic or existing conditions and/or limiting factors that affect anadromous populations. Do not describe project here.	
6. Watershed Plan(s): List any watershed plan(s) or recovery plan(s) in which the proposed project is recommended. This should tie back to specific program objectives listed in FOA.	

Section 4: Project Description:

1. **Detailed project description including all tasks to be performed:** Write a detailed project description, including all tasks to be performed. Also describe who will be implementing the project and who will be completing each project task. If personnel are not discussed in this section they cannot be included in the personnel section of the budget. This description should be detailed enough to write a Statement of Work. There is no character limit.
2. **Describe how project accomplished listed priority category or categories:** Specifically identify how the proposal's objectives will successfully address the category identified (Fine Sediment Reduction and Prevention or Fish Habitat Connectivity Improvements or Both). Maximum of 2,000 characters.
3. **Project Scalability:** Is the project scalable? If so, which project components are scalable and at what cost thresholds?
4. **Deliverables:** Project proposals must include a clear list of the deliverables and a clear list of quantifiable expected results. List and describe all reports, maps, databases and other products to be prepared and delivered to TRRP. All completed projects must submit a Final Report as a deliverable.

Section 5: Expected quantitative results: Write NA for those not applicable to your projects.

1. Predicted fine sediment reductions (cubic yards): Explain how calculations were derived and expected time frame to accomplish anticipated reductions (days, months, years).	
2. Length of road treated or decommissioned (miles):	
3. Number of large wood pieces used:	
4. Number of instream wood structures:	
5. Extent of vulnerable watershed areas (e.g. upslope, floodplain, and riparian areas) converted to land types that intercept and sequester fine sediment (specify linear feet or acres):	

6. Extent of area in which fish access was provided or enhanced (linear feet or acres)	
7. Number of habitat features or pools created to enhance connected habitats:	
8. Estimates of improved instream flow contributions during target period (cfs or af):	

Section 6: Landowners, Access and Permits

1. Landowners or Land Managers Granting Access for Project: Owner Names and documentation of support.	
2. Environmental Compliance: Describe the necessary environmental compliance required and its status. Include a reference to decision document(s) if applicable.	
3. Required Permits: List all government permits known to be needed to complete project and their status. Indicate which permits the applicant will secure. Permits must be made available upon request.	
4. Affected Water Rights: If project involves conservation, conveyance, storage, or otherwise could impact water rights, please describe. Include description of how conserved or forbearance water will be legally protected as in-stream flow, rather than diverted by another user.	

Section 7: Project Budget

Each proposal must contain a detailed line item budget using the format provided in the FOA. The budget must identify the amount being requested from TRRP, the amount being provided by the applicant, the amount being provided by cost share partners and the total cost for each line item. The amount requested from each source must be divisible by the listed hours or unit cost. The total project budget and task budget must contain all project costs. It is recommended you calculate, create, and save your budget in Microsoft Excel® or similar spreadsheet program, as doing so will avoid budget errors; then export your budget to Microsoft Word® or compatible word processing program with the rest of your written proposal. Please attach your detailed budget here along with filling out the below summary information.

Summary Estimated Project Costs

Type of Work	Amount Requested	Cost Share	Total
Planning and Design			
Implementation			
Monitoring			
Reports			
Total			

1. Budget Narrative:

Explain cost items or lump sum costs which will aid in the evaluation of the project. Applicants must justify project costs in the project description. Project cost analysis will be based on costs for similar projects that have been implemented.

2. Administrative overhead: Provide an approved letter from the IBC or one comparable stating the agreed upon indirect cost rate for the organization.

Section 8: Applicant qualifications and experience: Describe how the applicant and their organization is qualified to perform the proposed work.

Appendix V: TRRP Watershed FOA 2019 Evaluation Form

Evaluator:			
Project Title:			
Overall Score:			
Evaluation Item	Evaluation Criteria	Criteria Score	Reason for Award
(1) Benefit to Restoring Anadromous Fish Populations (50 points)	Proximity to current anadromous populations including riparian corridors. (0 – 10)		
	Addresses primary limiting factors of anadromous fish populations. (0 – 10)		
	Project improves ecological function of watershed. (0 – 10)		
	<i>Fiscal year priorities:</i> (1) Increase low flows; (2) Moderate to high IP coho stream (0 – 20)		
(2) Technical Merit (30 points)	Sufficient information provided for proposal review (0 – 15)		
	Feasibility i.e. likelihood project proposal will achieve objectives within the timeline. (0 – 15)		
(3) Project Costs (10 points)	Detailed budget (0 – 5)		
	Allowable, Allocable, and Reasonable. (0 – 5)		
(4) Overall Qualification of Applications (10 points)	Past performance (deliverables provided, completed projects, reporting timely). (0 – 5)		
	Qualifications (professional experience, resume, past projects) (0 – 5)		
(5) Optional Participation in Cost Sharing (0- 5 bonus points).	Based on the cost share amount and its enhancement to the overall value of the project (0 – 5)		
(6) Implementation versus planning project type (0-5 bonus points)	Acknowledges that implementation projects will benefit anadromous fish greater than projects focused on planning. (0-5)		
TOTAL POINTS	100 Regular + 10 Bonus		

Evaluation Criteria

Applications will be evaluated against the Evaluation Criteria described in this Section V, which comprise 100 points of the total evaluation weight. There are additional points available should one choose to participate in optional cost sharing, and to emphasize implementation. Projects may be prioritized to ensure balance among the program Task Areas and to ensure that the projects address the goals of the Trinity River Restoration Program.

1) Benefit to Restoring Anadromous Fish Populations (50 points).

The proposal addresses a restoration need documented for the target species, age-class, and location (site, reach, watershed) and the beneficial response of anadromous fish species will be maintained over a reasonable duration. Applications will be evaluated on clear identification of project goals and objectives and applicability of those goals and objectives to conservation and recovery goals for anadromous species, improved fish habitat connectivity and fine sediment reduction and prevention. Reviewers will also score the proposal based on their consideration of the contribution of potential outcomes, results, or products to species conservation and management goals; whether milestones and products are clearly identified; and whether performance measures for evaluating effectiveness of the completed project were clearly identified. **Score: 0-50 points**

- A. Proximity to current anadromous populations including riparian corridors. See the CDFW Passage Assessment Database (<https://nrm.dfg.ca.gov/PAD/Default.aspx>) (0-10 points)
 - a) Restoration activities will directly improve anadromous fish habitat and connectivity in channel and/or within the floodplain, including improving low flows or reducing nutrient loading – 10 pts
 - b) Restoration activities adjacent to anadromous habitat or within the river corridors will improve fish habitat (e.g., reducing fine sediment, reducing pollution) – 5 points
 - c) The proposed activities are outside of the river corridor or are in streams upstream of anadromous habitat – 0 points
- B. Addresses primary limiting factors (e.g. identified in TRRP, Recovery Plans, or clearly assessed in supporting documentation) of anadromous fish populations in the project reach (0-10 points)
 - a) The proposed actions are highly likely help address one or more primary limiting factors – 10 pts
 - b) The proposed actions are moderately likely to address one or more primary limiting factors – 5 pts
 - c) Proposed actions are not likely to address or do not mention primary limiting factors – 0 points
- C. Project improves ecological function of watershed beyond benefits to anadromous fisheries (0-10 pts)
 - a) Project is highly likely to improve critical watershed functions such as increasing low flows, instream large wood, or reducing stream temperatures/increasing riparian canopy -10 points
 - b) Project is moderately likely to improve critical watershed functions – 5 points
 - c) The project is not improving a watershed function or there is no clear connection – 0 points
- D. Fiscal year priorities: Projects which increase low flows, and projects which benefit stream reaches with ≥ 0.33 SONNC Coho Salmon Intrinsic Potential, as described in SONCC Coho Recovery Plan (http://www.westcoast.fisheries.noaa.gov/protected_species/salmon_steelhead/recovery_planning_and_implementation/southern_oregon_northern_california_coast/SONCC_recovery_plan.html) (0-20 pts)
 - a) The project actions improve low flows and will benefit stream reaches with ≥ 3.3 SONNC Coho Salmon Intrinsic Potential – 20 points
 - b) The project actions have a moderate likelihood to improve low flows and/or benefit stream reaches with ≥ 3.3 SONNC Coho Salmon Intrinsic Potential – 10 points
 - c) The project will not improve low flows or high intrinsic potential reaches – 0 points

2. Technical Merit (30 points).

The proposal addresses whether the approach is appropriate for achieving the stated goals and objectives, whether the approach will result in successful execution of the project, and if the anticipated results can be achieved in the time line specified. Reviewers will consider whether sufficient information is provided to evaluate the design of the project relative to the stated goals/objectives.

- A. Sufficient information provided for proposal review (0-15 points)
 - a) The proposal and location and project element maps/figures clearly address all the FOA elements and describe the work elements, locations, and designs. – 15 points
 - b) Work plan lacks detail – 10 points
 - c) The proposal lacks a clear work plan and maps and figures – 0 points
- B. Feasibility i.e. likelihood project proposal will achieve objectives within the timeline (0-15 points)
 - a) Technically sound and feasible proposal that is highly likely to achieve restoration objectives with an achievable timeline – 15 points
 - b) Moderately sound and feasible proposal that is reasonably likely to achieve restoration objective. Timeline is reasonable. - 10 points
 - c) Proposal is lacking or missing technical aspects and/or marginally feasible. Unclear objectives and/or whether the project will achieve objectives. Timeline is ambitious and minor changes could result in missed deadlines. – 5 points
 - d) The proposal is unsound, unfeasible, and/or unlikely to achieve objectives. Timeline likely unachievable – 0 points

3. Project Costs (10 points).

This criterion evaluates the budget to determine if it is sufficiently detailed, realistic and commensurate with the project needs and time-frame, and the extent to which this project leverages funds from other sources. The itemized costs and the overall budget must be adequately justified and appropriately allocated. The proposal identifies cost share source(s), type (cash or in-kind), the status of the cost share (secured, pending [if pending, the date a decision is expected to be made]), and the dollar amount/percent share of total cost.

- 1) Detailed budget (0-5 points)
 - a) Budget details the associated costs for the proposed work elements– 5 points
 - b) Budget provides general cost estimates for the proposed work elements– 3 points
 - c) Budget lacks detailed estimates and/or don't relate to the proposed work elements – 0 points
- 2) Allowable, Allocable, and Reasonable (0-5 points)
 - a) Budget is focused and reasonable given the tasks – 5 points
 - b) Budget item costs leave some questions regarding their rationale or relationship to project scope – 3 pts
 - c) Budget categories and match sources not justified or do not seem reasonable given project description – 0 points

4. Overall Qualification of Applications (10 points).

This criterion addresses whether the applicant possesses the necessary expertise, experience, facilities, and administrative resources to accomplish the project. Reviewers will consider previous related experience and qualifications of the project's Program Manager (PM) or Principle Investigator (PI), Co-Manager(s) or Co-Investigator(s) and other personnel, including designated contractors, consultants, and cooperators. Reviewers will also consider past award performance of the applicant(s) and PM/PI.

- A. Past performance (deliverables provided, past project success, reporting timely) (0-5 points)
 - a) Applicant has a proven track record of success in implementing projects with specific, documented results. Quality deliverables and timely reporting – 5 points
 - b) Applicant has had some success in implementing projects with documented but mixed results. Acceptable deliverables provided and/or timeliness – 3 points
 - c) Applicant has had limited success and/or unquantifiable results or is a new organization. Fair track record on deliverables and reporting timeliness – 1 point
 - d) Applicant has no previous implementation successes and/or poor track record with deliverables and reporting timeliness – 0 points
- B. Qualifications (professional experience/resume, experience w/ similar watershed restoration projects) 0-5 pts
 - a) Applicants have extensive professional and watershed restoration experience – 5 points
 - b) Applicant has had some professional and watershed restoration experience – 3 points
 - c) Applicant has limited professional and/or watershed restoration experience – 1 point
 - d) Applicant has no professional or watershed restoration experience – 0 points

5. Optional Participation in Cost Sharing (0- 5 bonus points).

This criterion is not required for consideration, but can increase the overall evaluation score. As stated in section III. B, this generally refers to situations where an applicant proposes to provide its own additional funds/resources or those from third party sources to support or complement the project they are awarded under the competition which are above and beyond the Reclamation grant/ cooperative agreement funds awarded. Based on amount volunteered and its enhancement to the overall value of the project, this criterion could result in up to an additional 5 points.

- A. A high percentage of the project is cost shared through grants, partnerships, or in-kind work (>50%)– 5 pts
- B. Moderate amount of the project is cost shared (30-50%) – 3 points
- C. Minor amount of the project is cost shared (<30%)– 1 point
- D. No cost share – 0 points

6. Implementation (0-5 bonus points)

This criterion acknowledges that implementation projects will benefit anadromous fish greater than projects focused on planning. A reasonable amount of post-project monitoring will be counted as implementation.

- A. The entire budget, excluding overhead, is for on the ground implementation – 5 points
- B. >60% of TRRP project funding is on the ground implementation – 3 points
- C. <60% of the project is on the ground implementation - 1 point
- D. The project is all planning work for a future project - 0 points