NOAA

NOAA RC PROGRAMMATIC APPROACH POST-PROJECT CONSTRUCTION MONITORING FORM

INSTRUCTIONS

- Please send this completed form and the documentation specified below to sarah.pierce@noaa.gov at the NOAA Restoration Center, and copy the U.S. Army Corps of Engineers reviewer assigned to this project (with Corps File # in subject line).
- Questions can be addressed to Sarah Nossaman Pierce at the email address above.

Project Information

Applicant name & organization

Applicant email & phone

Project name

Project address/location

Project start date

Project end date

Stream

Watershed

Latitude

Longitude

**Decimal degrees*

Are there any project elements remaining to be implemented? If so, please describe.

Target species benefited (check all that apply)

- ☐ CCC Coho
- ☐ CCC Steelhead
- ☐ CC Chinook
- ☐ S-CCC Steelhead
- ☐ NC Steelhead

Implementation Questions

Restoration and disturbance metrics

- Total miles of upstream habitat made accessible.....
- Total acres of habitat restored and/or enhanced.....
- Total linear feet of streambank restored and/or planted with riparian species.....
- Total linear feet of stream channel disturbed.....
- Total linear feet of stream dewatered.....

Fish relocation

- Fish relocation dates..... From to
- Was NM?? PA notified at least one week prior to relocation activities?.....
- Name and contact information for the qualified biologist(s) involved in relocation. Include the CDFW scientific collection permit number.
- What method was used to remove fish from the project area and how many passes were completed?
- Where were fish relocated (i.e., distance up/downstream, habitat description)?
- What, if any, unanticipated circumstances arose during fish relocation activities?

GENERAL QUESTIONS (continued)

Total number of fish captured, injured, and/or killed during all relocation events

Species by diversity stratum	Captured	Injured	Killed
Central California Coast (CCC) Coho			
California Coastal (CC) Chinook			
Central California Coast (CCC) Steelhead			
Northern California (NC) Steelhead			
South-Central California Coast (S-CCC) Steelhead			

Please comment on presence of lamprey or other species (optional).

Attach fish relocation data as a separate file or in a project completion report. This must include: method(s) used; water temperatures; the number of each salmonid species captured, injured and/or killed by diversity stratum and life stage/year class (yoy or smolts for salmon, 0+, 1+ or 2+ for steelhead); and, if applicable, description and justification for any modifications to original fish relocation plan.

Project Terms and Conditions

Terms

- Were all applicable terms and conditions from the Programmatic Approach met? .....
- If not, describe which terms/conditions were not met and why.

- Was the project installed as approved and authorized?.....
- If no, describe any change(s) and why the change(s) were necessary.

If applicable, attach a written or graphical explanation as a separate file or in a project completion report.

Protection measures employed during and after construction

- Construction dates..... From to
- Were all bare areas larger than 10 feet by 10 feet treated for erosion control?.....
- If no, please explain.

- Is photo documentation provided for erosion control? .....
- Were there any toxic leaks/ spills during implementation (incl. petroleum products)? .....
- If yes, explain (i) how the leak or spill was contained on site, (ii) if any chemicals were directly in contact with surface waters, and (iii) who was informed at the time of the accident.

Attach a full copy of the as-built drawings and photo documentation as a separate file.

PROJECT TERMS AND CONDITIONS (continued)

Revegetation

- Was revegetation proposed as part of the approved project?.....
- Revegetation work duration ..... From to
- Was revegetation implemented as proposed? .....
- If no, please explain.

Photo monitoring

Photo documentation of pre- and post-project conditions is required for all projects. Photos must clearly show the entire project site and should be taken from established photo points for replicable comparison of pre- and post-project conditions.

Attach photos as a separate .pdf file or in a project completion report.

Additional Information for Monitoring Reports

Fish Passage Improvement Projects

- For fish passage improvement projects, two annual monitoring reports shall be submitted to the NOAA RC **no later than May 31 of each of the two years following construction**. If fish passage is validated in the first year, one annual report may suffice at the discretion of the NOAA RC. Reports shall include the following information:
  - Photos of the barrier remediation site shall be taken from established photo points under a variety of flow conditions, including approximate winter baseflow and summer low flow, for a minimum of two years. For culvert projects, photo points shall also include the culvert inlet, outlet and the culvert bottom.
  - A design report, including verification of velocity, slope, water depths and energy dissipation (if applicable). The validation report shall include an evaluation of the barrier remediation site for elevations, depth and velocities at the range of design flows and operational configurations.

Upslope/ Road Projects

- For roads improvement projects, roads shall be assessed for two years post-treatment to ensure all drainage features are performing as anticipated. At least one monitoring report shall be submitted to the NOAA RC **no later than May 31 of the second year following construction**, and shall include the following information:
  - Photos of treatment sites.
  - An assessment of the road(s) prior to the start of the winter period (October 15th) and at least once during the rainy season (after ~10 inches of rain or February 15, whichever comes first).

Off Channel/ Side Channel Habitat Projects

- For off-channel/side-channel habitat projects, at least one monitoring report shall be submitted to the NOAA RC **no later than May 31 of the year following construction**, and shall include the following information:
  - Pre- and post-winter flow elevations of the inlet and outlet of the side channel relative to the 2-year event WSE.
  - A description of if and when the off-channel feature became connected and subsequently disconnected from the main channel, and at what flow level (cfs) and/or WSE. This will require checking the project site daily during flow recession after off-channel/side-channel connection to the main channel.
  - If applicable, a description of conditions when stranded fish were observed in the off-channel/side-channel feature. **If stranded salmonids are observed, the applicant is required to contact NOAA RC (sarah.pierce@noaa.gov/707-582-3910) immediately to determine if a fish rescue is needed.**