



INSTRUCTIONS

- Fill out the NOAA RC Arcata Office Programmatic Biological Opinion Post-Project Monitoring Form below.
- Send the completed form to the NOAA Restoration Center at bob.pagliuco@noaa.gov.

General Information

Applicant Name	<input type="text"/>		
Landowner Name	<input type="text"/>		
Project Name	<input type="text"/>		
Project Location	<input type="text"/>		
Project Start Date	<input type="text"/>	Stream <input type="text"/>	Latitude <input type="text"/>
Project End Date	<input type="text"/>	Watershed <input type="text"/>	Longitude <input type="text"/>

General Questions (applicable to all projects to quantify impacts and benefits to fishes)

Target Species (check all that apply)	<input type="checkbox"/> SONCC Coho	<input type="checkbox"/> UKTR Chinook	<input type="checkbox"/> KMP Steelhead
	<input type="checkbox"/> CCC Chinook	<input type="checkbox"/> NC Steelhead	

Restoration/ Disturbance	• Total linear feet of upstream habitat made accessible.....	<input type="text"/>
	• Total linear feet of stream bank stabilized or planted with riparian species.....	<input type="text"/>
	• Total linear feet of stream disturbed.....	<input type="text"/>
	• Total linear feet of stream dewatered.....	<input type="text"/>

Fish Relocation	• Was NMFS notified at least two weeks prior to relocation activities?.....	<input type="text"/>
	• Name / contact information for the qualified biologist(s) involved in relocation. Include the DFG scientific collection permit number.	<input type="text"/>
	• Name / contact information for the qualified assistant(s) involved in relocation. Include the DFG scientific collection permit number.	<input type="text"/>
	• Where were fish relocated?	<input type="text"/>
	• What (if any) unanticipated circumstances arose during fish relocation activities?	<input type="text"/>
	• Please attach monitoring data for all relocation events. <u>Attach as a separate file.</u>	



GENERAL QUESTIONS (continued)

Please summarize the total number of fish captured, injured, and/or killed across all relocation events.

Species	Captured	Injured	Killed
Southern Oregon / Northern California Coast (SONCC) Coho			
California Coastal (CC) Chinook			
Upper Klamath / Trinity River (UKTR) Chinook			
Northern California (NC) Steelhead			
Klamath Mountains Province (KMP) Steelhead			

Project Terms and Conditions

Overall

- Were all applicable terms and conditions from the Biological Opinion met?
- If no, 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.

- Attach a written and/or graphic explanation if applicable. Attach as a separate file.

Construction

- Construction duration 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?
- If so, please attach. Attach as a separate file.

- 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.

- Please attach a full copy of the as-built drawings. Attach as a separate file.



PROJECT TERMS AND CONDITIONS (continued)

Revegetation

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

Monitoring

- Please attach photo documentation of pre- and post-project conditions. Attach as a separate file. Photos should be taken from the four cardinal directions and from established photo points for comparison to pre-project photo documentation.

Additional Information for Monitoring Reports

Fish Passage Improvement Projects

- Two annual monitoring reports shall be submitted to the NOAA RC **no later than April 30th of each of the 2 years following construction**, and shall contain the following information:
 - Photo reference points of barrier remediation sites shall be established following construction. Photos shall be taken under a variety of flow conditions including high winter flows (including at least one bank full event) and summer low flows once a year for a minimum of two years. For culvert projects, photo points shall also include the culvert inlet and outlet to demonstrate the condition of culvert bottom.
 - A design report, including verification of velocity, slope, water depths, and energy dissipation (if used). The purpose of including this report is to ensure design plans were met. 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.

Road Projects

- Roads shall be assessed by the project manager for 2 years to ensure all drainage facilities are performing as anticipated. At least one monitoring report shall be submitted to the NOAA RC **no later than June 1st of the 2nd year following construction**, and shall including the following information:
 - Photos of treatment sites.
 - An assessment of the road (a) prior to the start of the winter period (October 15th) and (b) at least once during the rainy season (after 10 inches of rain, or February 15, whichever comes first).

Off-Channel Habitat Projects

- At least one monitoring report shall be submitted to the NOAA RC **no later than April 30th of the year following construction**, and shall contain the following information:
 - Pre- and post- (after winter flow event) information on the elevation of the inlet and outlet structure relative to the 2-year flood.
 - A description of if and when the off channel feature became disconnected from the main channel and at what flow level (cfs). This will require checking the project site daily when the off channel feature is becoming disconnected from the main channel.
 - A description of any stranded fish observed. **If there are salmonids stranded, the applicant will contact Bob Pagliuco (707-825-5166) immediately to determine if a fish rescue action is necessary. CDFG Watershed Biologist Michelle Gilroy (707-445-6493) will also be contacted with fish rescue information and/or mortalities by species.**