



As part of its mission to protect and revitalize anadromous fish populations the California Fish Passage Forum (Forum) is seeking data from monitoring efforts following the remediation of anadromous fish barriers.

The Forum will use these data to help quantify the benefits of fish passage improvement in California.

Your participation is voluntary and will help advance fish passage efforts in the future. In the future, opportunities may exist for the Forum to highlight your organization's project (and its results) through its own channels, as well as those of its partner organizations.

If possible, please use the monitoring worksheet below to provide this information. While the use of the worksheet is requested, all post remediation data are appreciated for this effort, including informal observations.

The Forum is particularly interested in presence/absence data and abundance data for target species both before and after barrier remediation.

Thank you for your assistance in this effort.



California Fish Passage Forum

Fish Passage Barrier Removal Monitoring Worksheet

A General Info

<i>Project Name</i>		
<i>Barrier name and GPS Coordinates</i>		<i>Lead organization</i>
<i>Monitoring Contact</i>	<i>Phone</i>	<i>Email</i>

B Project Timing

PRE-IMPLEMENTATION	
<i>Anticipated Start Date</i>	<i>Anticipated End Date</i>

POST-IMPLEMENTATION	
<i>Construction Start Date</i>	<i>Construction End Date</i>

C Basic information

Date final project design was completed:

Anticipated stream miles restored _____ miles

Description of barrier

Landowner:

Actual stream miles restored _____ miles

Verification methods

D Site "Passability"

Describe the following physical parameters of the project

Channel Width in Project Area:

Baseline ft.

Target Range to ft.

Channel Slope / Gradient in Project Area:

Baseline %

Target Range to %

Maximum Channel Slope %

Maximum Jump Height:

Baseline in.

Target Range to in.

Does the project design meet regionally appropriate fish passage criteria? Yes No

Provide reference sources used to develop target ranges.

Describe the as-built parameters at the site.

Channel Width in Project Area:

As-Built Condition ft.

Channel Slope / Gradient in Project Area:

As-Built Overall Slope %

As-Built Maximum Channel Slope %

Maximum Jump Height:

As-Built Condition in.

Does the as-built conditions fall within the target ranges listed at left? Yes No

Comments

Fish Passage Barrier Removal Monitoring Worksheet

PRE-IMPLEMENTATION

Identify ONE target diadromous fish species:

What is the upstream status of the target diadromous fish species?

- Present
- Absent

For which life stages is passage limited?

- Adult
- Juvenile

List other fish species that will benefit and their pre-project status:

Species:

Present Absent

Present Absent

Describe the methodology used to determine presence/absence of the target species.

What partner organizations will assist in monitoring?

Estimated target species abundance below barrier:

Estimated target species abundance above barrier:

Date of estimates:

Is this barrier mentioned in any species recovery plans, watershed restoration plans, or other approved plans? If yes, what plans?

POST-IMPLEMENTATION

What is the upstream status of the target diadromous fish species? (This may be reported annually from 1-5 years post-implementation.)

- Present
- Absent

Which life stages, if any, have been observed upstream?

- Adult
- Juvenile

List other fish species and their post-project status:

Species:

Present Absent

Present Absent

Describe the methodology used to determine presence/absence of the target species.

How often does monitoring occur at the project site?

What is the lead organization for monitoring?

Estimated target species abundance below project site

Estimated target species abundance above project site

Date of estimates:

E Presence of Target Fish Species

F Target Species Abundance

G Plans

California Fish Passage Forum

Fish Passage Barrier Removal Monitoring Worksheet

	PRE-IMPLEMENTATION	POST-IMPLEMENTATION
<p>H Operating and Maintenance Costs</p>	<p><i>Will the barrier removal result in reduced annual operating, maintenance and/or liability costs at the site?</i></p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><i>What is the estimated average annual operating, maintenance, and/or liability cost over the next five-year period if the barrier were to remain in place?</i> /year</p>	<p><i>What is the estimated average annual operating, maintenance, and / or liability cost over the next five-year period without the barrier in place?</i> /year</p> <p><i>What is the annual average change in cost? (This will auto-fill)</i> /year</p>
<p>I Public Safety</p>	<p><i>Will the barrier removal eliminate or diminish a documented safety hazard?</i> <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><i>If yes, please describe.</i></p>	<p><i>Did the barrier removal eliminate or diminish a documented safety hazard?</i> <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>J Additional Project Monitoring (if applicable)</p>	<p><i>Please indicate if any additional monitoring activities will be conducted at the project site.</i></p> <p><input type="checkbox"/> No additional monitoring</p> <p><input type="checkbox"/> Juvenile surveys</p> <p><input type="checkbox"/> Outmigrant trapping</p> <p><input type="checkbox"/> Spawner surveys</p> <p><input type="checkbox"/> Topographic channel surveys</p> <p><input type="checkbox"/> Habitat evaluation</p> <p><input type="checkbox"/> Photo points</p> <p><input type="checkbox"/> Other</p> <p><i>If yes, please describe. Wherever possible, please include information on methodology used, as well as baseline and target conditions.</i></p>	<p><i>If additional monitoring studies were completed, please describe post-implementation conditions.</i></p> <p><i>Is there anything else notable associated with this project, for example, community engagement events, volunteer activities, education and outreach activities?</i></p>