

NOAA Restoration Center

Fish Passage Barrier Removal Performance Measures and Monitoring Worksheet

A

General Info

Project Name		
Funding Mechanism		Award Date
Performance Measures / Monitoring Contact (person filling this form)	Phone	Email

B

Project Timing

PRE-IMPLEMENTATION	
Anticipated Start Date	Anticipated End Date

C

Available Habitat

What is the anticipated number of stream miles to be made accessible upstream of the project site? _____ miles

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.

POST-IMPLEMENTATION

Actual Start Date	Actual End Date
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What is the actual number of stream miles made accessible upstream of the project site? _____ miles

Verification methods

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

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E

Presence of Target Fish Species

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.

F

Community Participation

What is the anticipated number of volunteers and volunteer hours to be associated with the project?

Estimated Number of Volunteers.....

Estimated Volunteer Hours.....

G

Community Enhancement

Will there be a civic project (e.g. park development, recreation enhancement, etc.) associated with the barrier removal anticipated?

☐ Yes

☐ No

If yes, please describe.

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.

What were the actual number of volunteers and volunteer hours associated with the project?

Actual Number of Volunteers.....

Actual Volunteer Hours.....

Verification methods

Was the anticipated civic project associated with the barrier removal carried out?

☐ Yes

☐ No

Comments

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H Operating and Maintenance Costs

PRE-IMPLEMENTATION

Will the barrier removal result in reduced annual operating, maintenance and/or liability costs at the site?

☐ Yes

☐ No

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?

/year

I Public Safety

Will the barrier removal eliminate or diminish a documented safety hazard?

☐ Yes

No

If yes, please describe.

J Additional Project Monitoring (if applicable)

Please indicate if any additional monitoring activities will be conducted at the project site.

☐ No additional monitoring

☐ Juvenile surveys

☐ Outmigrant trapping

☐ Spawner surveys

☐ Topographic channel surveys

☐ Habitat evaluation

☐ Photo points

☐ Other

If yes, please describe. Wherever possible, please include information on methodology used, as well as baseline and target conditions.

POST-IMPLEMENTATION

What is the estimated average annual operating, maintenance, and / or liability cost over the next five-year period without the barrier in place?

/year

What is the annual average change in cost? (This will auto-fill)

/year

Did the barrier removal eliminate or diminish a documented safety hazard?

☐ Yes

No

If additional monitoring studies were completed, please describe post-implementation conditions.