

Lucky Cove Creek 101-41-025

Date: 4/21

FISHERIES REHABILITATION AND/OR ENHANCEMENT
NEW PROJECT OPPORTUNITY FORM*

1. WHAT (give a brief description): A combination of two sets of falls, 10 and 7 feet high, with an intermediate cascade 9-10 feet in height. This site appears to be a total barrier to pink and chum salmon and a partial barrier to sockeye and coho. The extent of the fish passage problems at this site are unknown. Coho salmon have been observed jumping at these falls.

2. WHERE (be specific): Lucky Cove Creek enters Revillagigedo channel approx. 12 miles S.E. of Ketchikan. The falls are located approx. 4000 feet upstream from saltwater.

3. BENEFITS: It appears that the lake and stream habitat above the falls is under utilized by coho and sockeye salmon based on the escapement levels. Annual \$ benefits from coho & sockeye production could be high. Little is presently known regarding the extent of habitat utilization in Lucky Cove Cr.

4. SUBMITTED BY (name, address, telephone, etc.):
Mike Pease Fisheries Biologist
U.S. Forest Service
Ketchikan, Alaska 99901 907-225-3101

Distribute this form to the following persons:

1. Your Supervisor

2. Regional Supervisor(s)
Appropriate ADF&G Office
a. Commercial Fisheries
b. Sport Fisheries
c. F.R.E.D.
d. Habitat Section

Regional Office
210 Ferry Way
Juneau, AK 99801
or
Regional Office
333 Raspberry Rd.
Anchorage, AK 99502

3. Director of Fisheries & Wildlife
USDA Forest Service
Box 1628
Juneau, AK 99802

4. Program Manager Fish & Wildlife
(Appropriate Forest Service)

- a. Stikine Area
Tongass National Forest
P.O. Box 309
Petersonburg, AK 99833
- b. Chugach Area
Chugach National Forest
Pouch 6606
Anchorage, AK 99502
- c. Ketchikan Area
Tongass National Forest
Federal Building
Ketchikan, AK 99901
- d. Chatham Area
Tongass National Forest
P.O. Box 1980
Sitka, AK 99835

* This form is to be used by Fish & Game and Forest Service personnel to identify opportunities that may be worthy to pursue to help rehabilitate and/or enhance the fisheries. Use of this form is not limited to these agencies as all persons are encouraged to help identify opportunities. Use of this form will inform the agencies that have responsibility for projects. This form is not intended to be a proposal. Development of a Project Proposal would be in subsequent documents.

POTENTIAL FISHWAY VERIFICATION FORM

Name: _____ ADF&G Cat. No.: _____
 Latitude: _____ USFS Cat. No.: _____
 Longitude: _____ Date: _____
 Geodetic Map No.: _____ Surveyed by: _____
 Location: _____
 Aerial Survey Notes: _____

Trails: _____

Ladder will primarily accommodate: _____

AVAILABLE ESCAPEMENT DATA:

| Year | Pink | Chum | Coho | Sockeye | King | Steelhead |
|------|------|------|------|---------|------|-----------|
|------|------|------|------|---------|------|-----------|

No Project Verification studies have been conducted to date for Lecky Canal Creek. Tent. scheduled for 1982.

Other species present: _____

TIMING: _____

ESTIMATED SPAWNING AREA:

1) Below Barrier: _____ How Surveyed: _____
 2) Above Barrier: _____ How Surveyed: _____

REARING AREA:

1) Below Ladder: _____ How Surveyed: _____
 2) Above Ladder: _____ How Surveyed: _____

DRAINAGE AREA: _____

DISCHARGE: _____

GRADIENT: _____

SURVEY OF BARRIER: _____

SKETCH MAP OF ENTIRE SYSTEM: _____

PHOTOGRAPHS: _____

DISTANCE OF LADDER SITE FROM SALT WATER: _____

DISTANCE OF LADDER SITE FROM NEAREST ROAD: _____

ENGINEERING CRITERIA:

1) Ladder Type: _____
 2) Etc.: _____

Lucky Cove Creek 101-41-25

Approximately 4,000 feet above the intertidal zone, there exists a 10 foot bedrock falls. A 40 x 12 foot pool occurred below the falls that was 3 to 5 feet deep. An adult coho salmon was observed attempting to jump the falls. The bank on the left was approximately 80 feet high and was a slide area. The right bank was bedrock, 20 feet high. This falls is a total barrier to pink and a possible barrier to sockeye. It may be a partial barrier to coho.

Approximately 100 feet above the falls was a 9-10 foot cascade. This cascade had a large trough-like pool below it and was interspersed with pools throughout. It was not a barrier to salmon. Adult salmon remains were observed on the rocks around it.

Approximately 75 feet above the cascades was a 7 foot falls. A 35 x 15 x 4 foot deep pool occurred below this falls. These falls would be a barrier to pink salmon.

Access to the falls can be made by landing in a lake one quarter of a mile to the north of the falls or in a muskeg one eighth of a mile to the north of the falls.

Areas of excellent spawning and rearing habitat were located upstream. Salmon have access to the upper lakes in this system. Seven adult coho salmon were observed on September 17, 1980, in the upper portion of this stream approximately one mile below the upper lakes. Coho fry were observed throughout the stream above the falls.

Approximately 100 feet below the upper lakes was a small 2-3 foot cascade type falls. These were not probaleem to salmon migration, although they may pose a problem to fry. The stream between and above the upper lakes was surveyed from helicopter. Between the lakes the stream appears to be nagivable but no spawning area was observed. Some spawning habitat was observed above the upper most lake.

The tributaries of the upper most lake should be evaluated for their spawning potential. The lakes should be trapped to see if sockeye exist here. If not this stream may have potentail for enhancement and warrants further investigation.

Surveyed 7/17/80

Low flow.

Jim Gurber, Steve McCall
Fisheries Technicians