

Barrier Evaluation for Smolt Passage

## BARRIER DESCRIPTION:

Stream identification(name, ID number, location of mouth) OSPREY LAKE OUTLET 109-10-10  
BIG PORT WATER, BARANOF IS. Date 8-30-79 Observers REIFENSTUHL, PARKER  
 Barrier no. 2 and approx. distance( 100 m)from stream mouth. Angle of falls ≈ 80 °  
 Height of falls 2m Method of measurement: rangefinder, clinometer, steel tape,  
altimeter, by eye(circle one).  
 Altitude of base —, crest — as determined by altimeter, quadrangle map (circle one).  
 Plunge pool: present? YES; adequate size and depth for smolt passage? yes  
 If "no," describe base of falls \_\_\_\_\_

Present flow conditions: low moderate, high (circle one).  
 Character of waterfall: dispersed(misty;branched), concentrated (circle one).  
 Threatening rock ledges or projections in the falls: absent, few, many (circle one).  
 These appear a threat to none, few, most, all (circle one) of the emigrants.

## BARRIER EVALUATION:

Was a test drop of fish conducted for this barrier? Yes, No (circle one).  
 If "yes," complete reverse side of this form.  
 Based on the above features, evaluate this barrier for downstream fish passage:  
 (A) at present flows: good questionable, poor (circle one).  
 (B) at much higher flows (e.g., spring freshets) good questionable, poor (circle one).  
 (C) at very low flows: good questionable, poor (circle one).

COMMENTS AND SKETCHES: STREAM FLOWS OVER SMOOTH BEDROCK, EXCELLENT JUVENILE  
COHO PASSAGE.

Barrier Evaluation for Smolt Passage

## BARRIER DESCRIPTION:

Stream identification (name, ID number, location of mouth) OSPREY LAKE OUTLET 109-10-10  
BIG PORT WALTER; BARANOF IS. Date 8-30-79 Observers REIFENSTUHL; PARKER  
 Barrier no. 3 and approx. distance (200 m) from stream mouth. Angle of falls ≈ 20 °  
 Height of falls 4m Method of measurement: rangefinder, clinometer, steel tape,  
altimeter, by eye (circle one).  
 Altitude of base 60', crest 70' as determined by altimeter, quadrangle map (circle one).  
 Plunge pool: present? yes; adequate size and depth for smolt passage? yes  
 If "no," describe base of falls \_\_\_\_\_

Present flow conditions: low moderate, high (circle one).  
 Character of waterfall: dispersed (misty; branched), concentrated (circle one).  
 Threatening rock ledges or projections in the falls: absent, few many (circle one).  
 These appear a threat to none, few most, all (circle one) of the emigrants.

## BARRIER EVALUATION:

Was a test drop of fish conducted for this barrier? Yes, No (circle one).  
 If "yes," complete reverse side of this form.  
 Based on the above features, evaluate this barrier for downstream fish passage:  
 (A) at present flows: good, questionable, poor (circle one).  
 (B) at much higher flows (e.g., spring freshets): good, questionable, poor (circle one).  
 (C) at very low flows: good, questionable, poor (circle one).

COMMENTS AND SKETCHES: BIG BOULDERS WITHIN FALLS, CREST IS PILED UP WITH LOG  
DEBRIS WHICH ACTUALLY BACKS UP THE FLOW OF THE STREAM SOMEWHAT.  
MIGRATING SMOLTS SHOULD NOT HAVE ANY PROBLEM GETTING AROUND THE  
DEBRIS AT HIGHER FLOWS. STREAM IS ~3m IN WIDTH, THE SIDES  
ARE NARROW + STEEP.

Barrier Evaluation for Smolt Passage

BARRIER DESCRIPTION:

Stream identification(name, ID number, location of mouth) OSPREY LAKE OUTLET ; 109-10-10  
BIG PORT WALTER ; BARANOF IS. Date 8-30-79 Observers REIFENSTUHL, PARKER  
 Barrier no. 4 and approx. distance( 240 m)from stream mouth. Angle of falls  $\approx$  75 °  
 Height of falls 25' Method of measurement: rangefinder, clinometer, steel tape,  
altimeter by eye (circle one).  
 Altitude of base 70', crest 95' as determined by altimeter, quadrangle map (circle one).  
 Plunge pool: present? yes; adequate size and depth for smolt passage? yes  
 If "no," describe base of falls \_\_\_\_\_

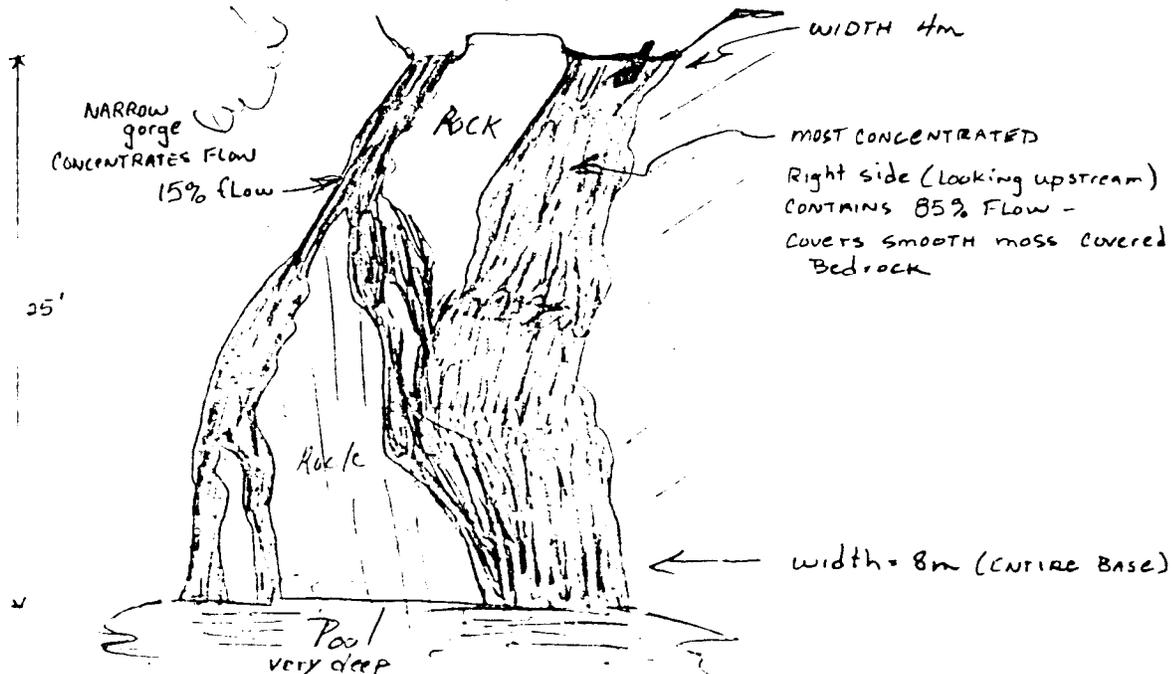
Present flow conditions: low moderate, high (circle one).  
 Character of waterfall: dispersed(misty; branched), concentrated (circle one).

Threatening rock ledges or projections in the falls: absent few, many (circle one).  
 These appear a threat to none few, most, all (circle one) of the emigrants.

BARRIER EVALUATION:

Was a test drop of fish conducted for this barrier? Yes; No (circle one).  
 If "yes," complete reverse side of this form.  
 Based on the above features, evaluate this barrier for downstream fish passage:  
 (A) at present flows: good questionable, poor (circle one).  
 (B) at much higher flows (e.g., spring freshets) good, questionable, poor (circle one).  
 (C) at very low flows: good questionable, poor (circle one).

COMMENTS AND SKETCHES:



Barrier Evaluation for Smolt Passage

## BARRIER DESCRIPTION:

Stream identification (name, ID number, location of mouth) OSPREY LAKE OUTLET 109-10-10

BIG PORT WALTER; BARANOF IS. Date 8-30-79 Observers REIFENSTUHL; PARKER

Barrier no. 5 and approx. distance (300 m) from stream mouth. Angle of falls  $\approx$  75 °

Height of falls 15' Method of measurement: rangefinder, clinometer, steel tape,  
altimeter, by eye (circle one).

Altitude of base 105', crest 120' as determined by altimeter, quadrangle map (circle one).

Plunge pool: present? YES; adequate size and depth for smolt passage? YES

If "no," describe base of falls \_\_\_\_\_

Present flow conditions: low, moderate, high (circle one).

Character of waterfall: dispersed (misty; branched) concentrated (circle one).

Threatening rock ledges or projections in the falls: absent, few, many (circle one).

These appear a threat to none, few, most, all (circle one) of the emigrants.

## BARRIER EVALUATION:

Was a test drop of fish conducted for this barrier? Yes, No (circle one).

If "yes," complete reverse side of this form.

Based on the above features, evaluate this barrier for downstream fish passage:

(A) at present flows: good, questionable, poor (circle one).

(B) at much higher flows (e.g., spring freshets): good, questionable, poor (circle one).

(C) at very low flows: good, questionable, poor (circle one).

COMMENTS AND SKETCHES: STREAM IS VERY CONCENTRATED WITHIN NARROW GORGE, LOG DAM (MAN MADE)  
AT CREST; EXCELLENT PASSAGE FOR JUVENILE COHOS AT ANY FLOW. THERE MAY BE SOME  
DIFFICULTY GETTING THROUGH THE LOG DAM AT <sup>these</sup> LOW FLOWS BECAUSE LAKE LEVEL IS BELOW SPILLWAY.  
DAM HEIGHT IS 6 FEET.