

Barrier Evaluation for Smolt Passage

BARRIER DESCRIPTION:

Stream identification(name, ID number, location of mouth) (Eifendahl Lake outlet) PORCUPINE R. 113-91-11; PORCUPINE BAY; ISLAS BAY; CHICHAGOFS Date 8-24-79 Observers REIFENSTHUL, PARKER
 Barrier no. 1 and approx. distance(0 m) from stream mouth. Angle of falls ≈ 50°
 Height of falls 18' Method of measurement: rangefinder, clinometer, steel tape,
(AT LOW TIDE), altimeter, by eye (circle one).
 Altitude of base 0', crest 20' 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: Falls ARE LOCATED NEXT TO SALTWATER, AT LOW TIDE THE HEIGHT OF FALLS IS 18'; at High tide, 9' (ACCORDING TO THE BALANUS + FUCUS GROWTH) SO THE FALLS ARE ACTUALLY ONLY 5-9' ABOVE high tide. THE FALLS ON THE AVE. IS 17m wide, AND FLOW IS CONCENTRATED MORE TO THE SIDES. BEDROCK IN THE MIDDLE SEPERATES THE FALLS SOMEWHAT. SEEMS THAT CHUMS & PINKS MAY HAVE DIFFICULTY jumping the Falls At high tide, but cohos shouldn't have ANY problem. No OBSERVED ADULT PINKS OR CHUMS UP TO FIRST DEFINATE BARRIER OR Below this possible BARRIER IN intidal AREA, VISIABILITY IN STREAM good... huge Deep pool AT Base of Falls EVEN AT LOW TIDE.