

Barrier Evaluation for Smolt Passage

BARRIER DESCRIPTION:

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

BIG FORT WALTER; BARANDE JE. Date 8-30-79 Observers REIFENSTUHL, PARKER

Barrier no. 1 and approx. distance (75 m) from stream mouth. Angle of falls ≈ AVE ≈ 17°

Height of falls 30' Method of measurement: rangefinder, clinometer, steel tape,
altimeter, by eye (circle one).

Altitude of base 20', crest 50' 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 MORE CORRECTLY, THIS IS A WATER VELOCITY BARRIER
RATHER THAN A 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.

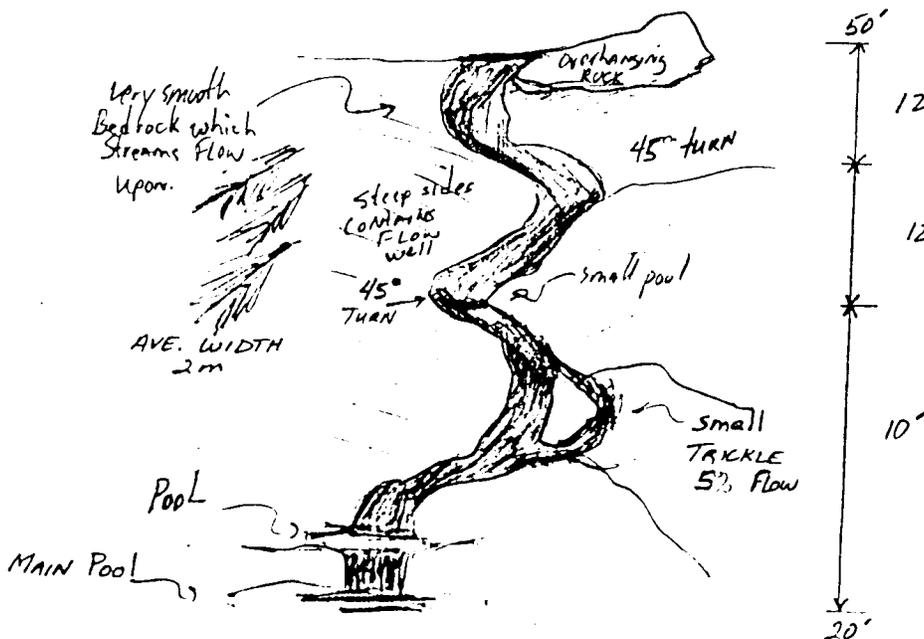
Based on the above features, evaluate this barrier for downstream fish passage:

(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:



GOOD SMOLT PASSAGE NOW, BETTER AT HIGHER FLOWS. ~30m IN LENGTH (BASE LENGTH). 15m TOP HALF OF FALLS IS AT 35% GRADIENT; AND ~9% IN THE LOWER HALF. FLOW IS VERY CONCENTRATED, 1.5m AVE. WIDTH (EST.).