

103-90-10310

103-90-81

7-19-78

Berg

(318m)

1050'

Weather: overcast

Tide: low

Air: 57°F

Water: 53°F

8.5 pl

clear

bedrock outcrop

poorly shaded
logged areas

stream continues through logged area with unstable banks; steep gradient 10% with predominant boulder bedrock substrate; stream is well shaded in lower portions below logged area

unstable banks in logged area

8' riffle

4 coho fry and unidentified trout in rearing pools

20/80 pool/riffle

0% ASA

50% gravel

30% cobbles

20% boulders

163.6m

315°

3%

6' x 3" pool

alder stand

blueberry
devil's club
vegetation

10' x 10" pool
30' channel width
10' stream width

severe windfall potential barrier to migrating salmonids

good rearing with little spawning up to logged area

(155m)

510'

6' riffle

45° banks for 300'+
second generation spruce

5° for 90'
40° for 200'+

8' riffle area

30' channel width

50/50 pool/riffle
0% ASA

80% gravel

15% cobbles

5% boulders

salmonberry

dense brown algae cover; stable banks; silt and organic debris moderate in stream substrate; good rearing pools here

315°

1.5%

118.2m

10' x 4" pool
6 coho fry seen

11' x 1' pool
8 coho fry observed

3' high fallen spruce; potential barrier

cascade area 1.5m

High Tide

channels dry at time of survey

(118m)

390'

intertidal substrate covered with dense brown algae and enteromorpha; accumulations of organic debris on gravel bars

pink salmon berries

round/smooth:
90% gravel
10% cobbles

50' flood plain

cedar/hemlock

clay bank for 40'

5 cfs
10% ASA
10/90 pool/riffle
silty substrate

dense fucus

Zostera

Petersburg A-4

103-90-81

KOSCIUSKO ISLAND

Devilfish Bay

103-90-10810

Name: _____ Catalog No: 103-90-81
 Latitude: 56°06'08" 08" Former Stream No: FRI 20 & 27, FWS 20 & 27,
 Longitude: 133°19'28" 40" ADF stat WC 65, Previous 20, ADF 150
 Geodetic Map No: Petersburg A-4 Work Area: Ketchikan
 Location: N shore of Devilfish Bay Watershed Length: 1.9 miles
 1 mile W of the N entrance Drainage Area: 2.0 mi
 Water Supply Type: runoff from mountains
 through forested area

Trails & Survey Routes: easily walked with minor windfall blockage

Aerial Survey Notes: partial coverage, but aerial surveys are possible throughout;
 most exposed in logged area of upstream reaches

Anchorage: Devilfish Bay

Tide Stage when Surveyed: low

RESOURCES

COMMERCIAL FISHERIES (species, escapement, timing, spawning area):
 escapement data shows major runs of pink salmon; chum counts up to 1960, but none seen
 since; pink salmon bones were seen along banks; coho fry present in favorable rearing
 areas

Spawning area: 17.9m² total - all found in intertidal zone

Schooling Areas: beyond mouth of stream in channel of tideflats

Spawning Areas: most spawning area appeared to be concentrated from the intertidal
 zone to a point 400' upstream; spawning habitat gives way to boulder/bedrock

SHELLFISH POTENTIAL: clams on tideflats; set crab pot, but no crabs were caught

SPORT FISHERIES: no trout observed; limited potential due to stream's small size
 and flow capacity

LAND USE (history, present, proposed): logging has occurred upstream within
 20 years; this area is directly exposed to sunlight and shows unstable conditions of
 the banks

REHABILITATION POTENTIAL: none necessary

SOILS: basically stable up to the logged area, which is actively depositing silt
 and debris into the stream channel; clay bank for 40' along right bank of mid-
 intertidal zone

GAME RESOURCES (species, use, habitat): no signs of game or actual sightings

PEAK ESCAPEMENT RECORD

103-90-81 Devilfish Bay - N shore at entrance (El Capitan Passage)

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
1941	19,000	800		Fair
9/12/42	5,000			Fair
9/23/43	5,000	1,000		Good 1,000 at mouth
9/25/44	26,500	8,500		Excellent Few at mouth
9/11/45	70,000	1,200		Excellent 3,000 at mouth
10/5/46	25,000			Good None at mouth
10/1/47	200	500		Poor None at mouth
10/4/48	15,000			Fair None at mouth
9/10/49	10,000			
9/20/57	85 (30 dead)			
1959	15,000	3,000		
9/24/60	500	201		
1961				No survey
1962	None seen	None seen		
8/20/63	6	None seen		
8/22/64	3,750	None seen		
9/1/65	900	None seen		
8/23/66	170	None seen		
8/16/67	15,000	None seen		
8/20/68	2,900			
8/28/68		15		
8/15/69	350	None seen		
8/31/70	3,000	None seen		
8/26/71	61,000	None seen		

PEAK ESCAPEMENT RECORD

103-90-81 continued

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8/27/72	7,500	None seen		
8/8/73	4,000	None seen		
8/27/74	4,000	None seen		
8/14/75	14,000	None seen		
8/23/76	8,200	None seen		
8/16/77	12,300			
8/25/78	24,000			
8/17/79	7,003			
8/20/80	5,000			