

Comments:

105-10-10290

Stream 105-10-28 drains a moderately steep hillside that is approximately 1500 feet in elevation.

The intertidal area is approximately .6 miles long. Several bedrock outcroppings are present in the lower area, followed by several deep schooling pools in the mid intertidal area. The upper intertidal is characterized by moderately loose gravel substrates which could provide excellent spawning habitat. Water depth was not sufficient in areas during early August to accomodate adult spawners. Photo #5 depicts the upper intertidal area.

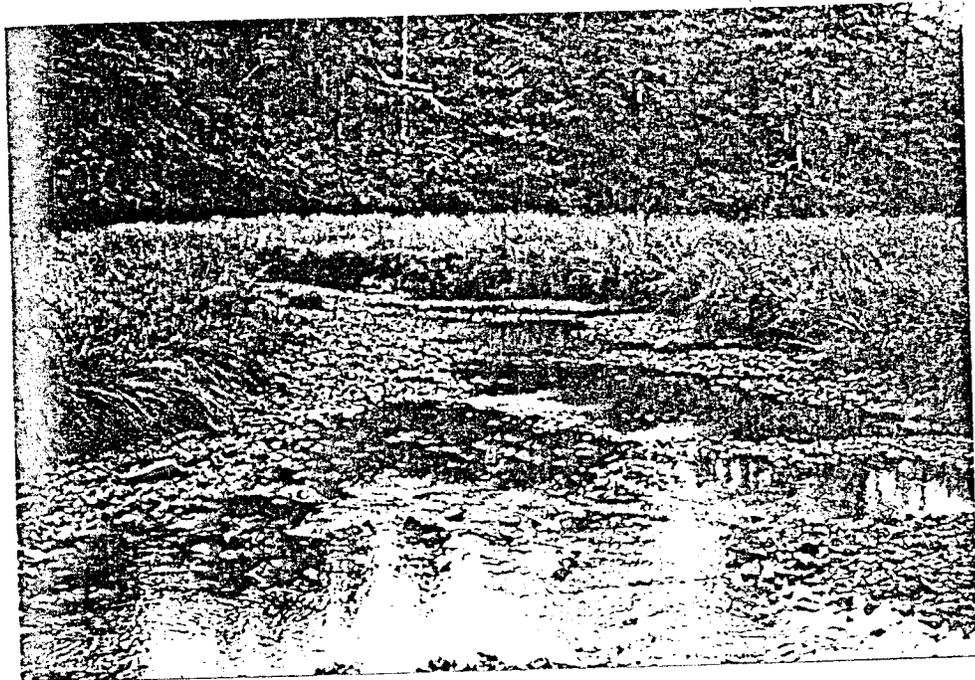


Photo #5: Upper intertidal area Stream 105-10-28

The stream is characterized by rubble and gravel substrates for several hundred yards up to a fork. Spawning habitat is good in this section.

Tributary 01 provides good spawning habitat for .1 mile. The stream was flowing subterraneously in one section directly above the fork. Numerous chum salmon bones were present along the stream banks. Photo #6 depicts Tributary 01 approximately .1 mile above the fork.



Photo #6: Tributary 01 .1 mile upstream

Tributary 02 displays small boulder and rubble substrates which provide poor spawning habitat. The stream gradient averages four percent in the lower .1 mile and the stream provides poor rearing habitat. The upper watershed was not examined.

Aug. 4, 1978 Time 11:00 AM Photo # 105-10-10290 Observer Franzel

Stream No. 105-10-28 Tide Stage Low
 Lat 56° 10' 02" 23" Longitude 134° 02' 58" 50"
 Distance from USGS markers 1.4 miles W of Hope Marker, 1.5 miles E of Stud Marker
 Watershed 768 acres Length of stream Not on USGS map

Intake systems None

No:	Intertidal	1	2 (Trib.01)	3 (Trib.02)
Channel Width:	22'	26'	14'	13'
Channel width-depth of flow:	8'x2"-3"	14'x2"-3"	12'x2"-3"	7'x4"
Channel gradient (%):	.5%	1%	1%	4%
Exposed bedrock:	0%	0%	0%	5%
Large boulder (3'+dia.):	0%	0%	2%	0%
Small boulder (1' - 3'):	0%	15%	5%	35%
Large rubble (6" - 12"):	5%	20%	20%	25%
Small rubble (3" - 6"):	30%	30%	40%	20%
Coarse gravel (1" - 3"):	50%	20%	20%	10%
Fine gravel (<1"):	10%	10%	10%	5%
Sand, silt, clay, muck:	5% silt	5% silt	3% silt	0%
Number of gravels:	3	2.5	2.5	2.0
Temperature of water/air:	----	54°F/56°F	54°F/56°F	55°F/56°F
Cloud cover:	----	rain	rain	rain
Flow/turbidity:	----	1/1	1/1	1/1
	----	7.2	7.2	7.3
Estimated discharge:	----	5 cfs	2 cfs	2 cfs
Shrub vegetation/density:	2/2 3/2	3/2 1/3	1/3	1/3 3/2
Stream organic debris and cover:	none	2.5	2.5	3.5
Density of canopy and species:	none	2 hemlock spruce	2 hemlock spruce	3.5 hem. cedar alder
Pool/riffle ratio:	----	20/80	30/70	20/80
Pool size:	----	2	2	3
Pool depth:	----	1'-3'	1'-2'	6"-1'
Lower bank height & composition:	1'-2' mud-gravel overhang	1'-4' gravel root	1'-4' rock root moss	1'-4' bdr< rock-root
Lower bank stability:	unstable	hang failure		
Fish species:	11	school 1 4 5	Pink 1 many chum	1 4 5
Abundance:	200 in pools	100 10 10	Chum bones 3 bones	20 5 4
Serial survey notes:	good	enclosed canopy	enclosed canopy	fair
Quality of rearing habitat:		good	good	fair-poor
Available spawning area (ASA):	90% upper 0% mid & lower	50%	60%	less than 10%

11:00 AM 105-10-10290

Anadromous Stream No. 105-10-28

Map Port Alex. A-1
Lat: 56° 10' 23"
Long: 134° 08' 50"

Water source: Surface runoff.

Spawning areas: Large deep pools in lower ITZ area (see map).

Spawning fish potential: Abundent mussels present in ITZ. A few steamers were observed.

Land use at present: None

History of land use: None

Moorage: Good for small boats off ITZ.

Spawning fish potential: Poor except in schooling areas in ITZ.

Trails and survey routes: Fair bear trails along stream banks.

Spawning escapement data:

ADF&G spawning escapement data:

1960-1967	No survey	
1968	6000 Pink	
1969	None seen	
1970	1500 Pink	
1971	None seen	
1972	2380 Pink	
1973		706 Chum
1974	500 Pink	100 Chum
1975	50 Pink	200 Chum
1976	1500 Pink	
1977	450 Pink	

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scale

1/2 mile

not surveyed

trib 01

trib 02

KUIU ISLAND

Reach 2

Reach 3

subterraneous flow

intertidal
Tonga
good spawning

reach 1

bedrock
abundant
mussels

deep
pools
schooling
area

KELL BAY

vick

link

