

State of Alaska
 Department of Fish and Game
 Nomination for Waters
 Important to Anadromous Fish

1990
 Year of Revision

Anadromous Water Catalog Volume Southeast Reg I
 USGS Quad 60217KA C-6
 Name of Waterway (HEAD OF PATTERSON BAY)
 Anadromous Water Catalog Number of Waterway 113-57-10050 (TRIB) - 2004

Change to _____ Atlas
 _____ Catalog
 _____ Both
 Addition
 Deletion _____
 Correction _____
 Name addition:
 USGS name _____
 Local name _____

For Office Use	
Nomination #	<u>90 419</u>
<u>Richard Reed</u> Regional Supervisor	<u>12/14/88</u> Date
<u>STB</u>	<u>11/30/87</u>
<u>FI</u> Drafted	<u>11/14/89</u> Date

Species	Date(s) Observed	Spawning	Rearing	Migration
<u>COHO</u>	<u>8/4/88</u>		<u>X</u>	
<u>DOLLY VARDEN</u>	<u>↓</u>		<u>X</u>	

Comments: Provide any clarifying information, including number of fish observed, location of fish survey data, etc.

SEE ATTACHED SURVEY

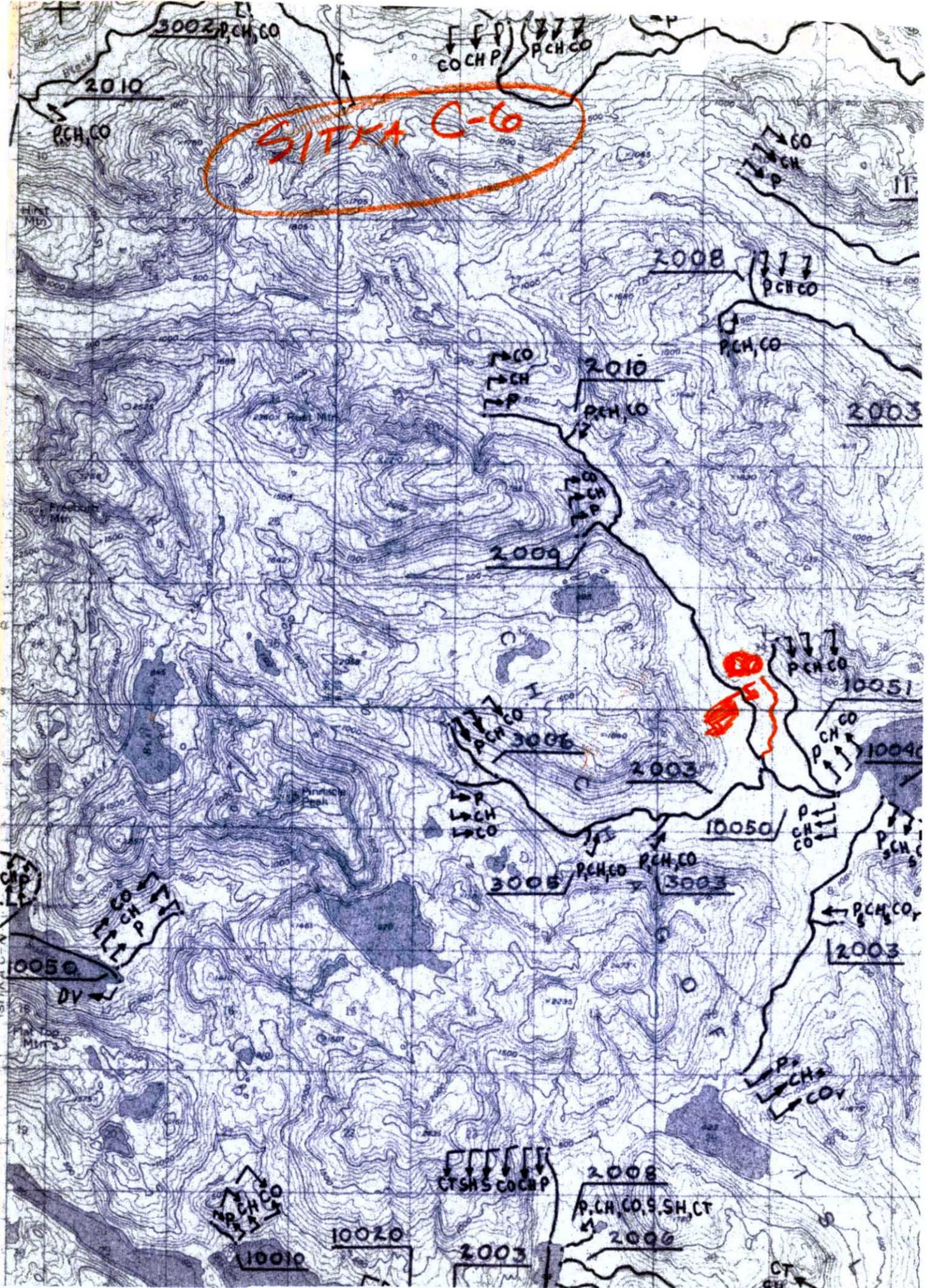
Attach a copy of a map showing location of mouth and upper points of each species, specific stream reaches identified for spawning or rearing, locations of barriers, such as falls. Attach a copy of the fish survey data, if available.

Name of Observer (please print) RANDY ERICKSEN - STEVE ELLIOTT

Date: 11/25/88 Signature: SEE ATTACHED

Address: _____

Signature of Area Biologist: [Signature]



SITKA C-6

10051

3003 PCH, CO

60 CHP PCH, CO

2010

PCH, CO

2008

777 PCH, CO

2010

PCH, CO

2003

2009

3006

2003

10051

10040

10050

3005

3003

2003

10056

DV

10020

10010

2003

2008

P.CH, CO, S, SH, CT

2006

CT

STREAM SURVEY SUMMARY

STREAM: "No Fish Creek"
LOCATION: Patterson Bay, Chichagof Island

MAP REFERENCE: Sitka C-6
TRIBUTARY TO: 113-57-10050
ORIGIN: Spring
LENGTH: 500 m

LATITUDE: 57° 38'
MAIN DRAINAGE: Same

LONGITUDE: 135° 50'

WATERSHED AREA:

1. FLOW: 0.11m³/sec.
RANGE: 173.5 gals/min. VELOCITY: Sluggish AVG. WIDTH: 157 cm
FLOOD HEIGHT: COLOR/TURBIDITY: Clear/Clear AVG. DEPTH: 9 cm
2. ACCESSIBILITY: Float plane, boat
3. ACCESS STATUS: Federal land, no public access
4. SECTION SURVEYED: Begin 150 m from mainstream to end of Creek
TRIBUTARIES: Several 1st order streams
5. BOTTOM TYPE: 10.4% Fine gravel, 10.2% Coarse gravel, 68.1% Detritus, 6.4% Mud, 4% Sand, 0.9% Rubble
STREAM GRADIENT: 0.6%
6. POOLS-DESCRIPTION & FREQUENCY: Size 2, Type 2, Frequency 1
7. BARRIERS: None
8. SPAWNING AREA: No spawning observed during survey
9. BANK COVER: Partly shaded from conifers
10. WATERSHED TYPE: Old growth bordered by muskeg, level
11. FISH SPECIES: Dolly Varden, coho salmon, sculpin
12. FISHING HISTORY: None
13. FISHING INTENSITY: None
14. INVERTEBRATES: ABUNDANCE:
15. AQUATIC VEGETATION: Sparse algae
16. WATER USE: None
17. POLLUTION: None
18. REMARKS: This creek had low temperatures during time of survey (7.0°C) and little to no fluctuation in flow despite heavy rains.

BY: Randy Ericksen

DATE: August 4, 1982

SPORT FISH - LAND USE PROJECT
STREAM SURVEY

Quad Map: Sitka C-6
Tributary to: 113-57-10050

Stream: "No Fish Creek"
Loc: Patterson Bay
Date: September 21, 1982

Water Quality

D.O.: 11 mg/L
Conductivity: 17 umho
Total Hardness: 12 mg/L

Temp.: 5.4°C
Alkalinity: 10.0 mg/L
Calcium Hard.: 8 mg/L
pH: 6.75

Morphology

Mean Discharge: 0.11 m³/s
Surface Area/300m reach: 448.9 m²

Mean Gradient: 0.6%
Pool volume/300m: 76.7 m³

Fish

Dolly Varden Juveniles

Density (no./m²): .24
Biomass (g/m²): 1.18

Coho Salmon Juveniles

Density (no./m²): .09
Biomass (g/m²): .39

<u>Age</u>	<u>Mean Fork Length</u>	<u>Mean Weight</u>	<u>Age</u>	<u>Mean Fork Length</u>	<u>Mean Weight</u>
0			0		
I			I		
II			II		
III			III		
IV					
V					
\bar{x}			\bar{x}		

No. Other Species Caught

45 sculpin

"NO FISH CREEK"
(Unlogged)

August 4-8, 1982

Location of Stream: Patterson Bay, off South Arm of Hoonah Sound, on Chichagof Island. No Fish Creek begins about 1 km up 113-57-10050, just past the first major fork. The confluence is somewhat difficult to locate although it is marked with pink survey tape.

Location of Reach: About 150-200 m up No Fish Creek, where it begins to enter the old growth forest.

Description: The creek is bordered by old growth forest, although the forest is bordered by muskeg. Flow was sluggish despite moderate rains. Gradient was low along the entire reach. The creek was probably a second order stream, possibly a first order in Section 10. Water temperature was very low, indicating this may be a spring fed system.

Aerial Photo <: 02220 676 285
02220 676 286

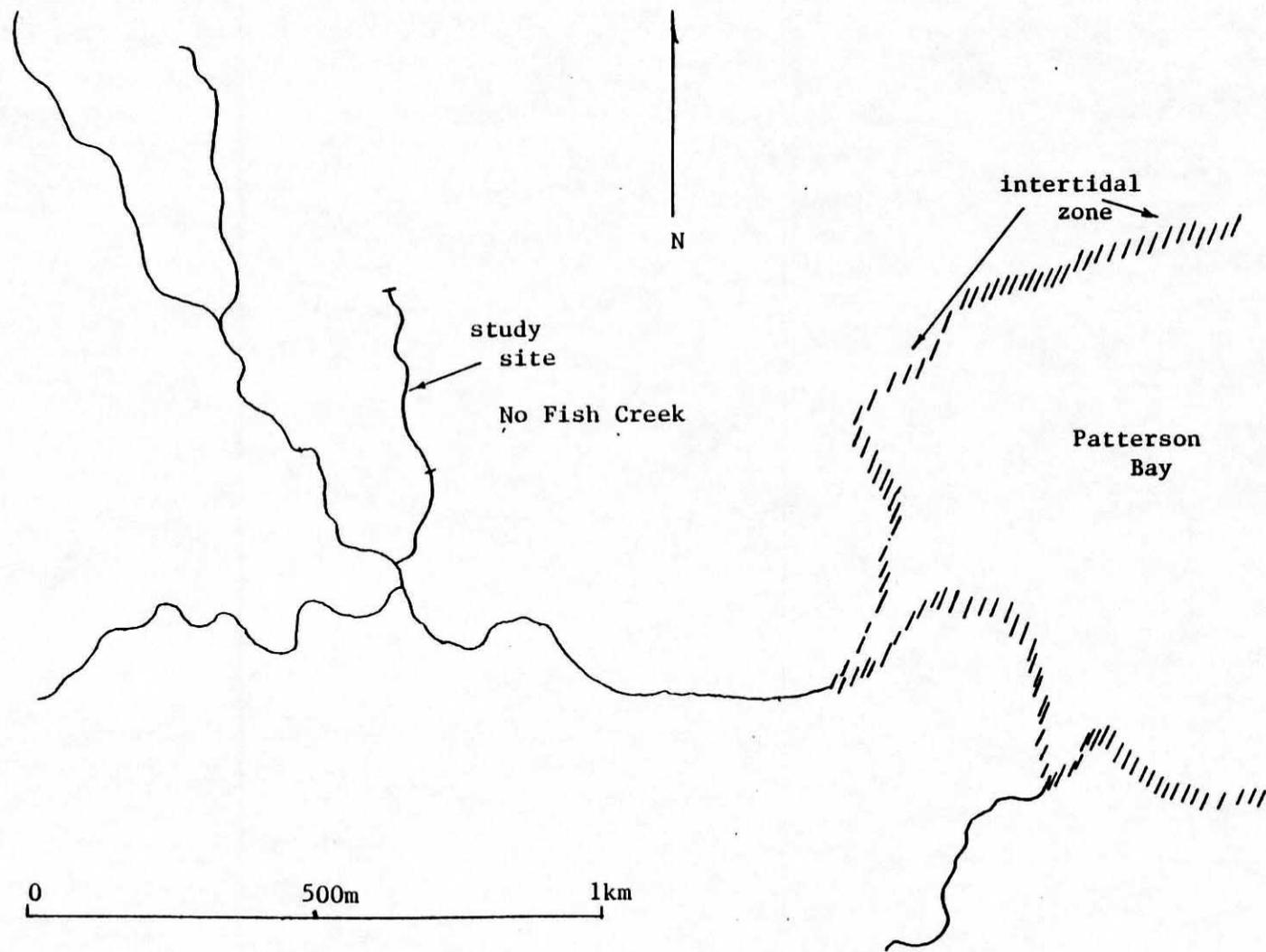


Figure 48. No Fish Creek study site.



Figure 49. No Fish Creek, showing section 3.

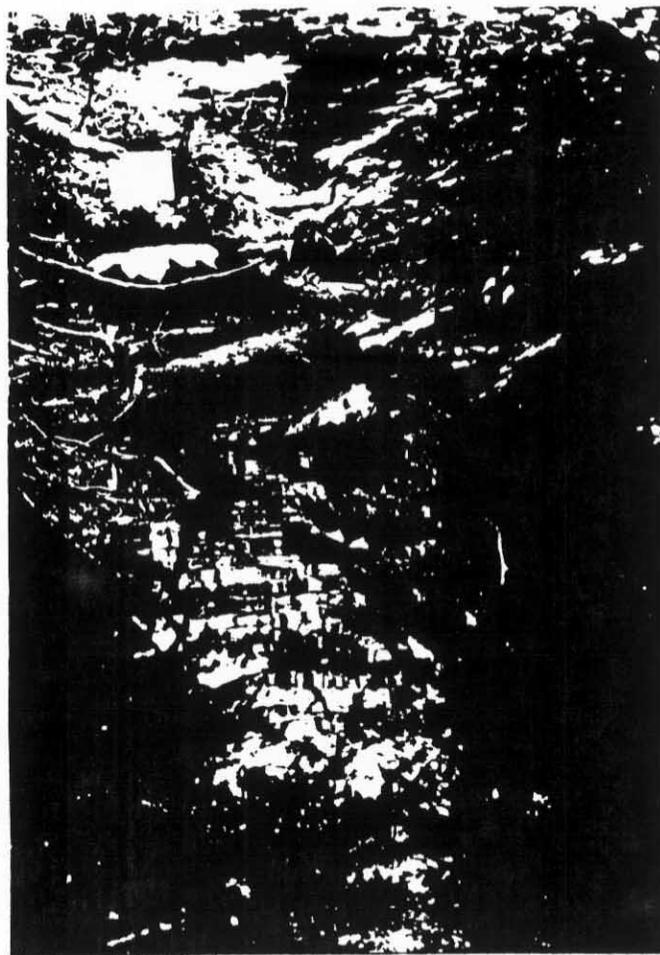


Figure 50. No Fish Creek, showing section 7.

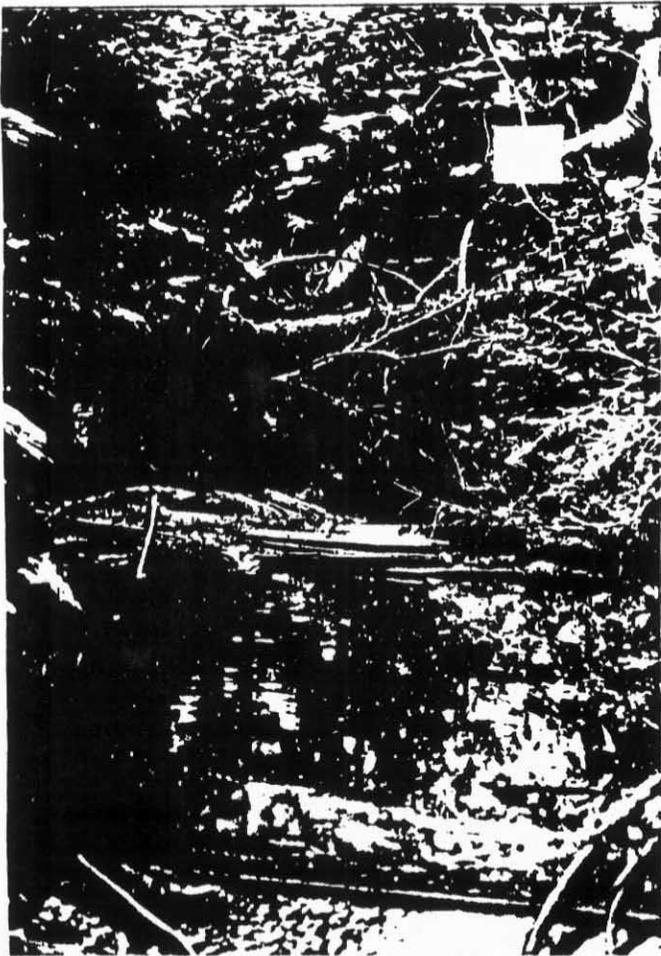


Figure 51. No Fish Creek, showing section 8.



Figure 52. No Fish Creek, showing section 10.