

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 (8) SITKA B-5
 Name of Waterway RODMAN CK TRIB
 Anadromous Water Catalog Number of Waterway _____
113-54-1007D-2003

Change to _____ Atlas
 _____ Catalog
 _____ Both

Addition X
 Deletion _____
 Correction _____

Name addition:
 USGS name _____
 Local name _____

For Office Use	
Nomination #	<u>90 418</u>
<u>Richard Reed</u> Regional Supervisor	<u>12/14/88</u> Date
<u>SJS</u>	<u>11/30/88</u>
<u>FI</u> Drafted	<u>11/14/89</u> Date

Species	Date(s) Observed	Spawning	Rearing	Migration
<u>Pink + CHUM</u>	<u>8/10/82</u>	<u>X</u>		<u>X</u>
<u>COHO</u>	<u>"</u>		<u>X</u>	
<u>CUTTTHROAT</u>	<u>"</u>		<u>X</u>	
<u>DOLLY VARDEN</u>			<u>X</u>	

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

SEE ATTACHED SURVEY

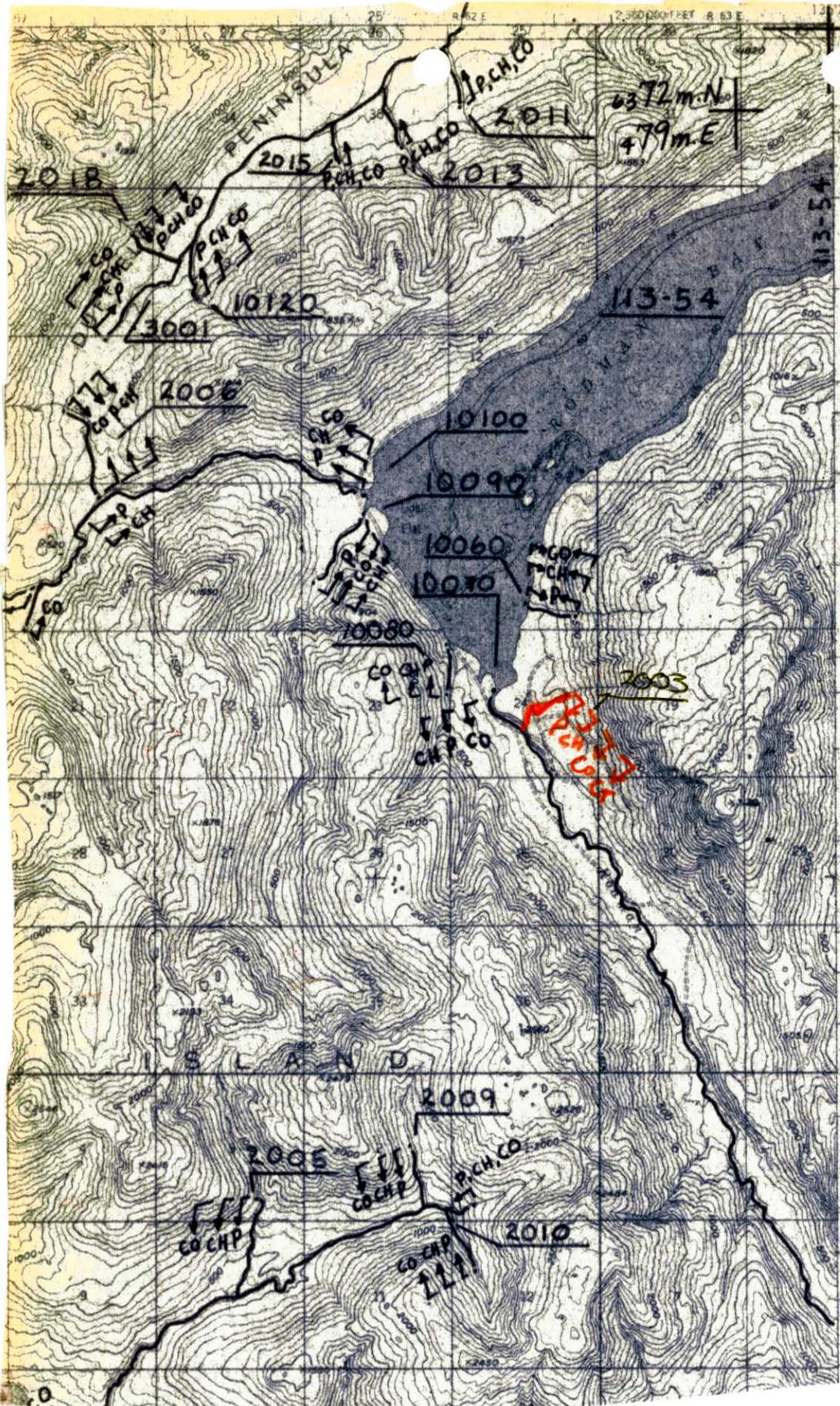
Attach a copy of a map showing location of mouth and upper points of each species, specific stream reaches identified for spawning or rearing, locations of barriers, such as falls. Attach a copy of the fish survey data, if available.

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

Date: 11/25/88 Signature: SEE ATTACHED

Address: _____

Signature of Area Biologist: [Signature]



57°30'

6372m.N
479m.E

2018

2015

2013

3001

2006

113-54

10100

10090

10060

10030

10080

2003

2009

2005

2010

2 070 900
FEET
7 70 S
7 61 S

T. 51 S.
T. 52 S.

ISITKA B-4

SITKA
B-5

RECEIVED
FEB 10 2011

STREAM SURVEY SUMMARY

STREAM: "Girdle Creek"
LOCATION: Rodman Bay, Baranof Island

MAP REFERENCE: Sitka B-5 LATITUDE: 57° 26' N LONGITUDE: 135° 23' W
TRIBUTARY TO: 113-54-10070 (Rodman Ck) MAIN DRAINAGE: Same
ORIGIN: Runoff
LENGTH: 400 m WATERSHED AREA:

1. FLOW: .054m³/sec. VELOCITY: Rapid AVG. WIDTH: 224 cm
RANGE: 1.9cfs AVG. DEPTH: 12 cm
FLOOD HEIGHT: COLOR/TURBIDITY: Clear/Clear

ACCESSIBILITY: Float plane, boat

3. ACCESS STATUS: Federal land, no public access

4. SECTION SURVEYED: Near mainstream at clearcut upstream 300 m
TRIBUTARIES: One 2nd order near middle of reach

5. BOTTOM TYPE: 1.1% Mud, 5.5% Sand, 31.1% Fine gravel, 56.5% Coarse gravel,
5.8% Rubble
STREAM GRADIENT: 2.3%

6. POOLS-DESCRIPTION & FREQUENCY: Size 2, Type 2, Frequency 3

7. BARRIERS: None

8. SPAWNING AREA: Pink and chum salmon were observed spawning in this creek

9. BANK COVER: Partially shaded by alders

10. WATERSHED TYPE: Clearcut on hillside and valley floor.

11. FISH SPECIES: Dolly Varden, pink, chum, and coho salmon, cutthroat trout, 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:

BY: Randy Ericksen

DATE: August 10, 1982

SPORT FISH - LAND USE PROJECT
STREAM SURVEY

Quad Map: Sitka B-5
Tributary to: 113-54-10070

Stream: "Girdle Creek"
Loc: Rodman Bay
Date: September 21, 1982

Water Quality

D.O.:	12 mg/L	Temp.:	9.3°C
Conductivity:	31 umho	Alkalinity:	19.0 mg/L
Total Hardness:	85 mg/L	Calcium Hard.:	14 mg/L
		pH:	6.8

Morphology

Mean Discharge:	054 m ³ /s	Mean Gradient:	2.3%
Surface Area/300m reach:	602.4 m ²	Pool volume/300m:	27.1 m ³

Fish

Dolly Varden Juveniles

Density (no./m²): .40
Biomass (g/m²): 2.62

Coho Salmon Juveniles

Density (no./m²): .28
Biomass (g/m²): 1.15

<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

4 cutthroat trout
42 sculpin

"GIRDLE CREEK"
(Logged)

August 10-13, 1982

Location of Stream: Rodman Bay, off Peril Strait, on northern Baranof Island. Girdle Creek is the first tributary entering from the east on Rodman Creek (113-54-10070).

Location of Reach: Approximately 50 m upstream from the confluence, within the clearcut area.

Description: The creek was logged along both banks for the entire reach. Flow and gradient were moderate. The creek was probably a third order stream. Two chum salmon moved up into the creek, on August 11, and when we visited the creek on September 21, there were pink salmon spawning in Girdle Creek.

Age of Clearcut: 1962; debris removal 1978

Aerial Photo <: 02220 576 327
02220 576 328

Rodman
Bay

Rodman
Creek

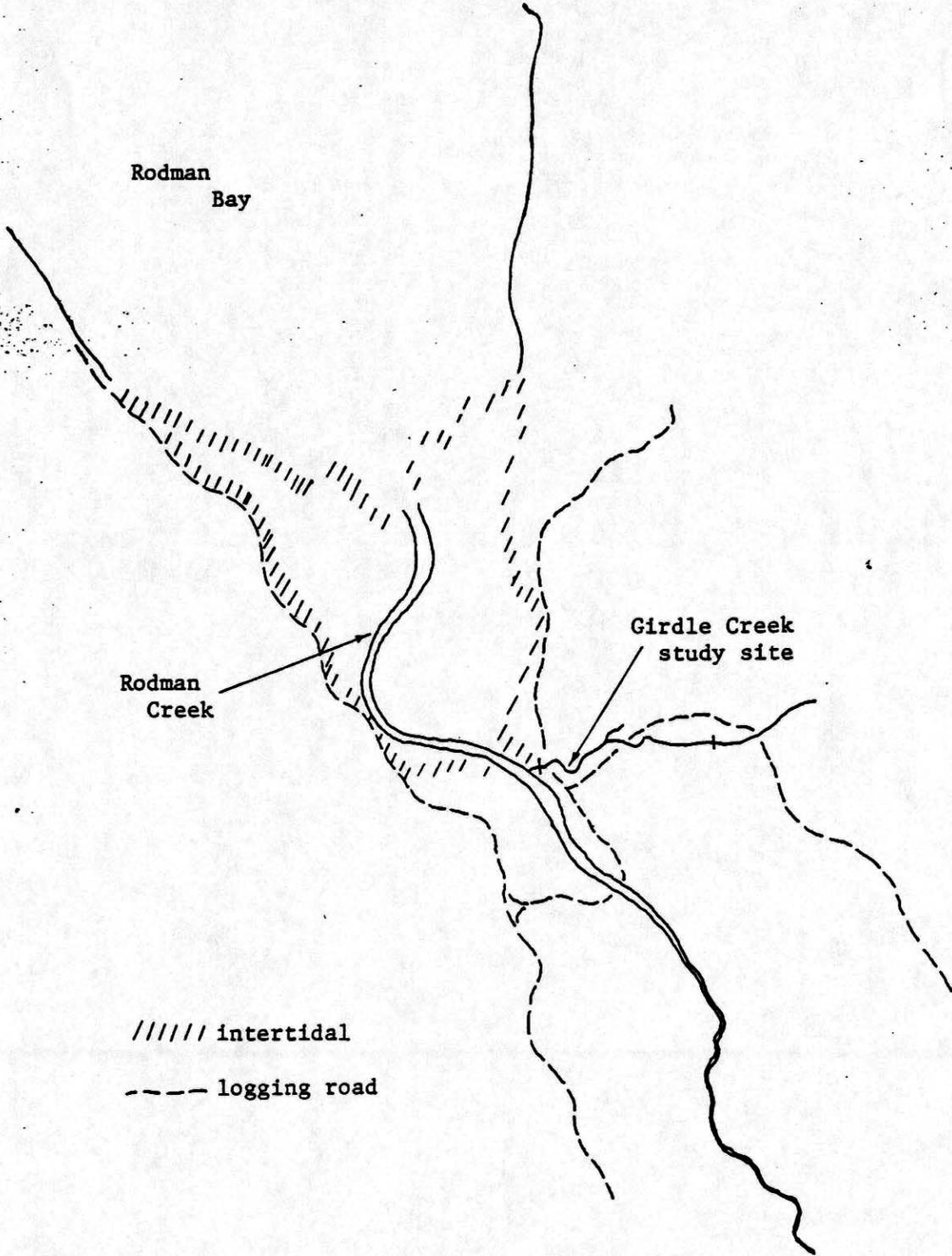
Girdle Creek
study site

///// intertidal

----- logging road

0 500m 1km

Figure 53. Girdle Creek study site.



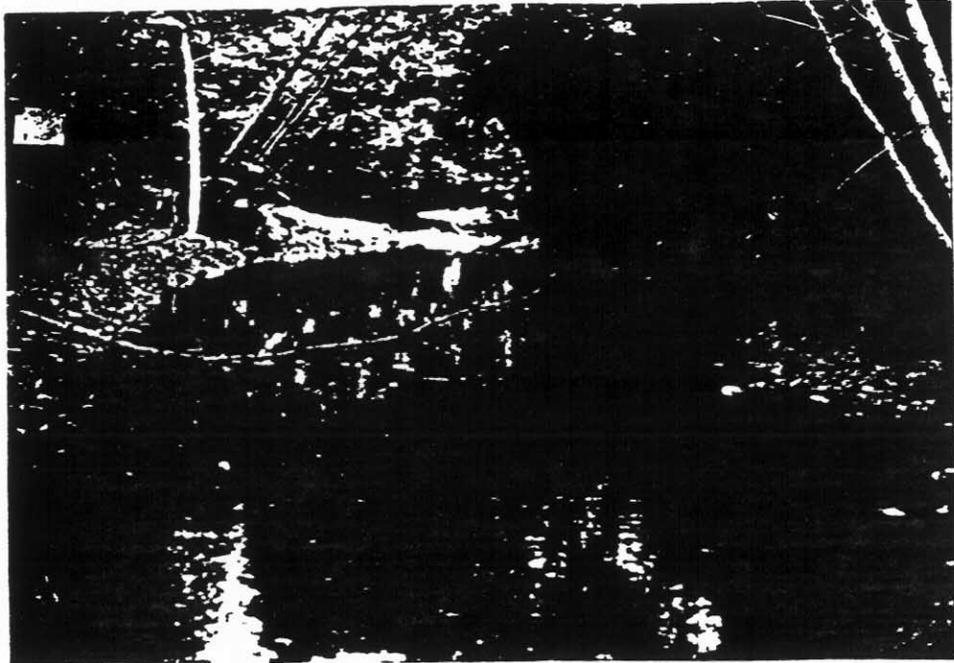


Figure 54. Girdle Creek, showing section 2.

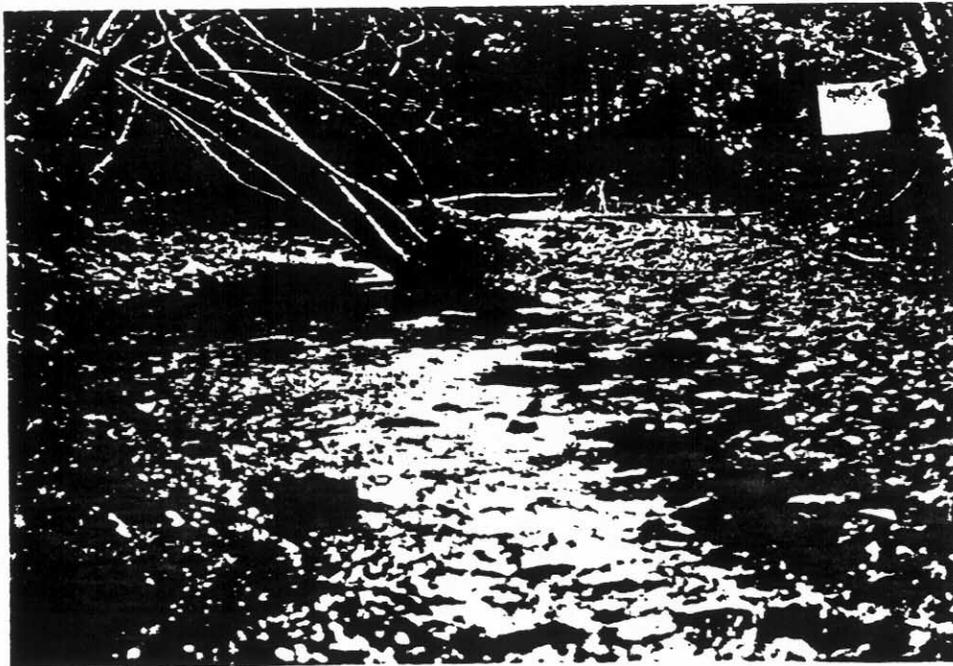


Figure 55. Girdle Creek, showing section 3.



Figure 56. Girdle Creek, showing section 8.



Figure 57. Girdle Creek, showing section 9.