ADFG FILE COPY

Date: 8-11-82

Name: POLK INLET Unit: 18

Stream Catalogue #: 102-60-036 Road: 2100

Quad Map: Craig (B-2) Alaska T 75 S R 85 E Sect 32 + 33

Chick Map: T R Sect

SPECIES PRESENT	STAGE OF DEVELOPMENT
Coho	4 fry (1-2")
Dolly Varden	3 fry (2-3") 1 adult (4")
Cutthroat	6 fry (1-3") 9 adult (2-6")

TYPE OF FISH HABITAT

Salmon Rearing	Excellent	Good	Fair	Sq. Yds.
Salmon Spawning	Excellent	Good	Fair	Sq. Yds.
Resident Rearing	Excellent	Good	Fair	Sq. Yds.
Resident Spawning	Excellent	Good	Fair	Sq. Yds.

Is future fish habitat enhancement possible? YES NO X

If so Describe:

	YES	NO
Fish Present Above Road Crossing:		X
Below Road Crossing:	X	
Within Unit Boundary:	X	
Below Unit Boundary:	X	

Fish stream(s) intersection(s) marked with Metal Tags: Road Yes #1 #2 Unit NO

Fish stream(s) Flagged: BLUE/WHITE Yes #4 #6 ORANGE/WHITE Yes #5, #7

Fish streams Traversed: YES NO X

Traverse notes Attached: YES NO X

Is Additional Parameter Information Necessary? YES NO X

If so Describe:

STREAM TEMP.: N/A

Methods used to determine presence of fish:

Stream #	Date	#Fish	Species	Length	Gear	Time
1	8-11-82	0	—	—	Shocker	3 min.
2	"	0	—	—	"	3 min
3	"	1	Dolly Varden	3"	"	3 min.
		1	Salmo spp.	1"		
4	"	1	Coho	1"	"	5 min.
5	"	2	Cutthroat	4"	"	5 min.
6	"	3	Dolly Varden	2-3"	"	15 min.
		~12	Cutthroat	3-6"		
		3	Coho	2½"		

Pertinent Wildlife Information: N/A

Comments: N/A

Survey Crew Members:	Signature	Date
Richard Yanuse	Richard Yanuse	8-11-82
Roger Harding		

Report Reviewed By: Thomas E Kogut — Wildlife Biol. — 9-16-82

Signature — Title — Date

Recommendations: FISH PASSAGE MUST BE PROVIDED AT Stream #3. Full protection will be required for fish streams 3, 4, 5, and 6 up to end of flagging. Water quality protection in full will be necessary for streams 1 & 2.

STREAM DESCRIPTIONS

UNIT 18 POLK INLET 2100 ROAD

Stream #1 - 110+96
Water Quality

This stream had water 18 in. wide by 1 in. deep, 10% gradient and moss substrate. There was insufficient water for shocking. Flagged green/white at boundary and P-line.

Stream #2 - 112+11
Water Quality

This stream had a 2 ft. wide channel containing water 1 ft. wide and 1 in. deep. The gradient was 6% and the substrate was moss and silt. No fish were shocked. Flagged green/white at boundary and P-line.

Stream #3 115+06
Resident Fish

Dry channel 2 ft. wide with 15% gradient and 20% gravel, 30% cobble 50% boulder substrate. Shocked an isolated pool and obtained one 3 in. long Dolly Varden and one 1 in. long Salmo sp. Flagged orange/white through-out unit and metal tagged placed at P-line crossing.

Stream #4 119+67
Anadromous Fish

At the unit boundary, the stream has a 2 ft. wide channel containing water 1 ft. wide by 1 in. deep. The gradient was

Stream #4 - continued

5% and the substrate 10% silt and 90% gravel. One 1 in. long coho was shocked and the stream flagged blue/white for 150 ft. into the unit.

At the P-line, the stream had water 1 ft. wide by 1 in. deep, a 25% gradient and a moss substrate. No fish were shocked and the stream was flagged green/white at the P-line.

Stream #5
120+48
Resident Fish

At the unit boundary, the stream had a 2 ft. wide channel containing water 1 in. wide by 2 in. deep, 10% gradient and 33% boulder, 33% cobble and 34% gravel. Two 4 in. long cutthroats were shocked and the stream flagged orange/white for 200 ft. into the unit.

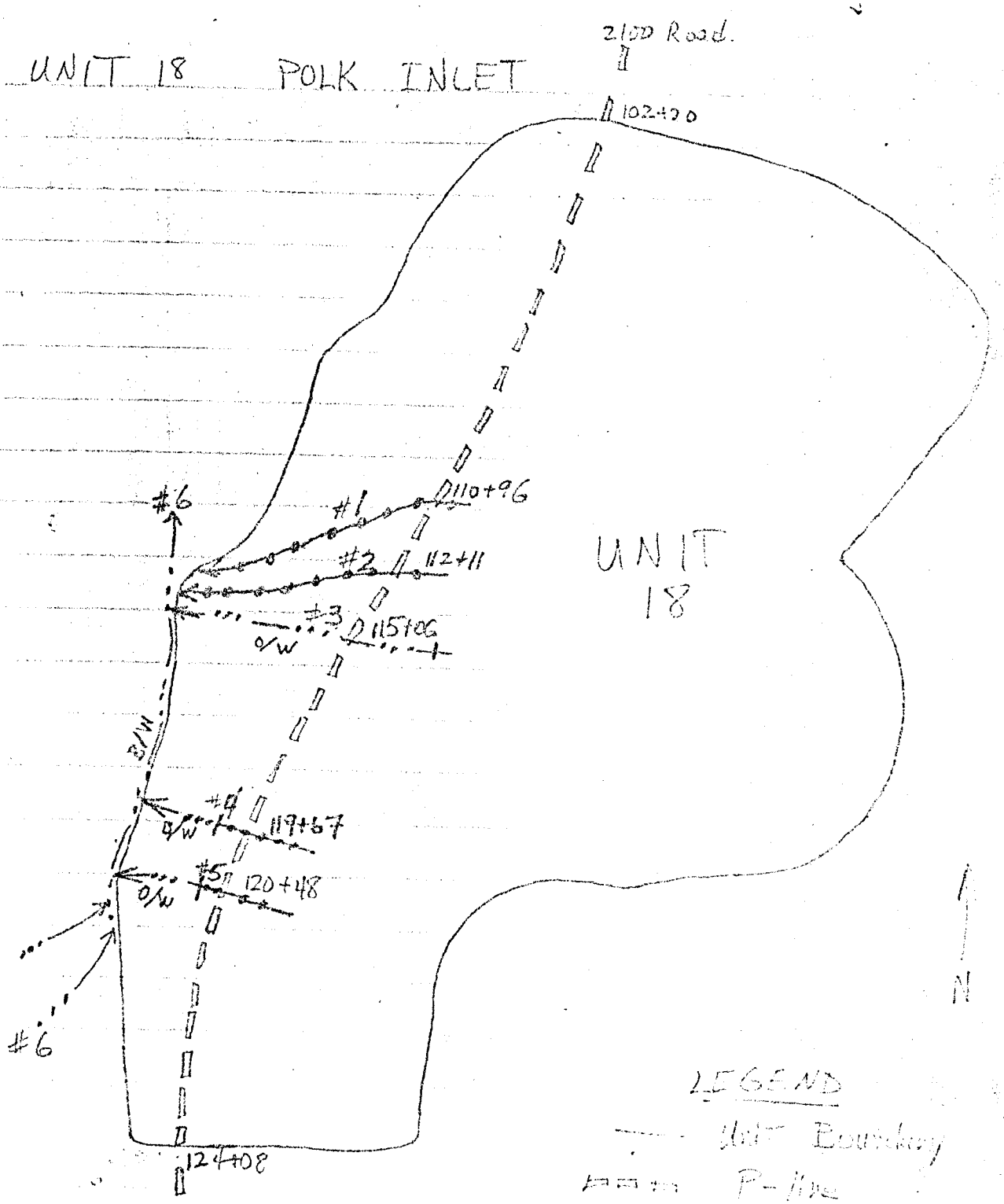
At the P-line, the stream had water 1 ft. wide by 1 in. deep, 25% gradient and moss substrate. No fish were shocked and the stream was flagged green/white at the P-line.

Stream #6 – A 10 ft. wide channel containing water 5 ft. wide by 7 in. deep, 4% gradient and 5% boulder, 70% cobble, and 25% gravel. Shocked 3 Dolly Varden 2-3 in long, approximately 12 cutthroat 3-6 in. long, and 3 coho 2½ in. long. Flogged blue/white where stream parallels unit boundary.

anadromous Fish

Note: boulder > 6", cobble 3-6", gravel <3" in diameter.

UNIT 18 POLK INLET



LEGEND

Unit Boundary

P-line

Fish Stream

Water Quality Stn

Map not to scale.

Water Quality (green/white) - #1, #2

Resident Fish (orange/white) - #3, #5

Anadromous Fish (blue/white) - #4, #6

POLK INLET
UNIT 18
Salmon
Dog
Creek
Polk
Creek
Rock
Lake
Beaver Mountain
Rock Butte
Barren Mtn
Sulzer
Sulzer Passage
Gould Island
Portage Bay
Gould Passage
Portage Cr
WEST ARM
Mt Jumbo
Billie Mtn

TIMBER HARVEST - LONG TERM SALE

Salmon Spawning and Rearing Streams
(Blue/White Ribbon)

UNIT # 18 POLK INLET STREAM(S)# 4 & 6

ROAD # 2100 STATION # _____

The following fish stream protection prescriptions and recommendations apply: based upon quality of habitat, resistance to alteration, and fish habitat management unit objectives.

✓ 1. Directional falling or jacking (to include lining) of timber away from stream course.

✓ 2. Split the yarding on the creek or full suspension of timber over the stream course.

✓ 3. No limbing of timber inadvertently felled into stream course (to include windthrow). Yard timber in lengths to maximize lift.

✓ 4. Forty-eight hour removal of any debris introduced into stream course during timber harvest.

____ 5. Windthrow impacting stream course will be marked for "Leave" and "Take" timber.

____ a. Timber marked with blue ribbon should be removed in lengths to maximize lift and minimize stream course disturbance.

____ b. Timber marked with yellow ribbon should be left in place or will require special considerations upon removal.

____ c. No limbing of timber occupying or suspended over stream course.

____ d. Removal of all introduced debris from stream course concurrent with yarding (to include root wads that may enter stream course).

____ e. Directional falling of standing timber away from stream course.

✓ 6. Time timber harvest within crown height of streamcourse to avoid adverse impact to salmonid redds and/or pre-emergent fry. (Optimum time for harvest: approximately April 15 to August 15). Operations outside of this time period will require a site assessment by fisheries personnel.

✓ 7. Hazard (leaning) trees along stream course should be marked by sale administrator and felled concurrent with yarding.

✓ 8. Protect brush, non-merchantable trees, and understory vegetation along stream course of temperature sensitive streams during timber harvest.

Additional Comments:

114v

Resident "sports" fish spawning and rearing streams
(Orange/White Ribbon)

UNIT # 18 POLK UNIT ROAD 2100

STREAM(S)# 3 & 5

The following fish stream protection prescriptions and recommendations apply:

TIMBER HARVEST

✓ 1. Directional falling or lining (to include jacking) of timber away from stream course.

✓ 2. Split the yarding or full suspension of timber over stream course.

✓ 3. No limbing or bucking of timber inadvertently felled into stream course (to include windthrow). Yard timber tree length if possible.

✓ 4. Remove debris introduced during timber harvest concurrent with yarding.

____ 5. Windtrhow impacting stream course will be marked for "Leave" or "Take" timber.

____ a. timber marked with blue ribbon shoud be removed by yarding tree length from stream course if possible.

____ b. timber marked with yellow ribbon should be left in place or will require special considerations upon removal.

✓ c. no bucking or limbing of timber occupying or suspended over stream course.

✓ d. removal of all windthrow and logging debris from stream course concurrent with yarding (to include rootwads that may enter stream course).

✓ e. directional falling of standing timber away from stream course.

✓ f. timing of timber harvest to avoid adverse impact to salmonid redds and/or preemergent fry. (Optimum time: approximately April 15 to August 15).

Additional comments:

2v(2)

TIMBER HARVEST
LONG TERM SALE

"Non-Sports" Resident Fish Habitat and Water Quality Protection - Including V-notches and/or unstable soils
(Green/White Ribbon)

UNIT # 18 POLK INLET

STREAM(S)# 1 & 2

ROAD # 2100

STATION # _____

The following fish stream protection prescriptions and recommendations apply: based upon resistance of habitat to alteration and fish habitat management unit objectives.

✓ 1.) Directional falling (to include lining and jacking if necessary) of timber away from stream course.

____ 2.) Split the yarding on stream course or full suspension of timber over stream course.

✓ 3.) Removal of all introduced debris (to include root wads that may enter stream course) from stream course concurrent with yarding.

✓ 4.) Yard timber impacting stream course same season as felled.

____ 5.) Windthrow impacting stream course will be marked for "leave" and "take" timber.
- a.) Timber marked with blue ribbon should be removed with lease possible disturbance to stream course.
- b.) Timber marked with yellow ribbon should be left in place or will require special consideration upon removal.

✓ 6.) Chunk clean (removal of introduced debris 3 in. diameter or 6 ft. length or larger).

✓ 7.) Avoid yarding up or down protected stream courses.

____ 8.) Recommend input from Soil Scientist and/or Hydrologist.

Additional Comments:

114v