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

85-375

OK
R. Reed
Reg. Supervisor
2/11/85
TB
10-9-85
OK
SSS 10/24/85

[X] Addition

[ ] Deletion

Name of Waterbody (if known): Logjam Cr. tributary

Location: PRINCE OF WALES ISLAND CC. PA.NAUK .TNB

Anadromous Waters Catalog Volume and Number 106-30-10670-2004-3030-4021-5008

USGS 1:63,360 Quadrangle CRAIG (D-4) + ~~[illegible]~~ D-3

or 1:250,000 (if 1:63,360 not available) _____

Species	Date(s) Observed	Stage(s) (Spawning, Rearing, Migration)
Coho		Spawn/rear

Comments: Please provide any clarifying information in addition to identification on Anadromous Waters Catalog Public Review Maps.

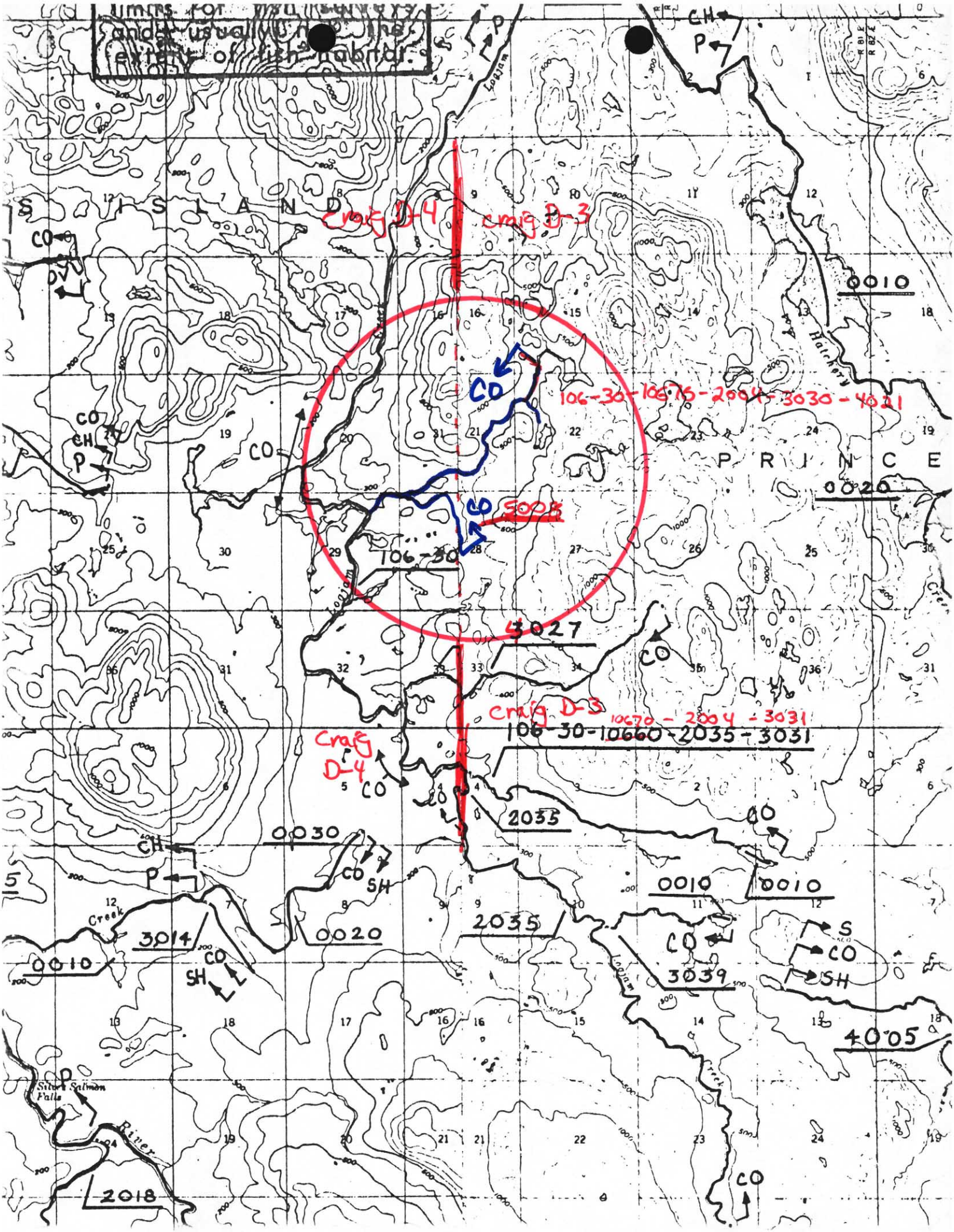
EXTEND UPPER LIMIT AS DESIGNATED ON MAP AND REPORT.

ALASKA DEPT. OF FISH & GAME
MAR 14 1985
HABITAT
~~REGIONAL OFFICE~~

Name of Observer (please print) RON MEDEL FISHERIES TECH RHM
BOB METZGER FISHERIES BIOL

Date: 12-26-84 Signature: Bob Metzger

THORNE BAY RANGER DISTRICT
POB (9438)
KETCHIKAN, ALASKA, 99901



limits for fish surveys and usually not the extent of fish habitat.
S I S L A N D
P R I N C E
Craig D-4
craig D-3
106-30-10670-2004-3030-4021
CO
5008
106-30
3027
Craig D-3
10670 - 2004 - 3031
106-30-10660-2035-3031
Craig D-4
2035
0030
0010
0020
3014
3039
4005
2018
Logjam
Hatchery
Creek
River
Silver Salmon Falls
CH
P
SH
S

S.U. Dalrymple

Metzger

STREAM SURVEY REPORT

Date: 7-12-84

V.C.U.: 577

Camp: COFFMAN COVE

Unit: 577-39 (100 AC)

ADFG #: 103-90-10660

Road: 3035

Quad Map: CRAIG D-4 SE

T 69S R 81E Sect 28, 29

Air Photo No.: 12 27 579-10

TYPE OF HABITAT

Class I - Anadromous
Class II - Resident
Class III - Water Quality

Stream Numbers

1, 2, 3

Streams Flagged: BLUE/WHITE ORANGE/WHITE GREEN/WHITE

Streams marked with metal tags: Road _____ Unit ✓

Temperature Sensitive: YES ✓ NO _____

Streams 1 and 2

Is future fish habitat enhancement possible? YES _____ NO ✓

If so, describe:

Comments: All designated leave trees have been painted a blue "NC" (No Cut) during this survey and unit boundary layout (B. Dalrymple). Locations are listed in the attached survey data. The unit boundary "borders" but does not cross over any of the three surveyed streams of the unit (see map and aerial).

Survey Crew Members:

Ron Medel
Russ Stewart

Report Reviewed By: Bob Metzger — Fish Biol — 8/10/84

Signature — Title — Date

Recommendations: See attached sheet for recommendations. Note ~~[illegible]~~ ~~[illegible]~~ leave trees.

This unit contains a large addition beyond that approved by the EA. As laid out, it exceeds temp sensitive guidelines for individual units (3,000 ft.). A variable width fringe of inaccessible timber and several leave trees along the stream should [illegible]

STREAM SECTION SURVEY

ROAD/UNIT 577-39 ADF&G STREAM # 103-30-10660-2035

STREAM # 2 AERIAL PHOTO # 12 27 579-10

VCU # 577 STREAM PHOTO #

QUAD CRAIG D-4 NE T 69 S R 81 E S 28 29

SURVEYORS MEDEL, STEWART DATE 7-12-84

SECTION/REACH	0 → 5+90	→ 10+80	→ 19+70	→ 23+60
STREAM CLASS	I	I	I	I
GRADIENT	0.5 %	0.5 %	0.5 %	0.5-1%
FLOW STAGE mod.	15 cfs	15 cfs	12-15 cfs	12 cfs
CHANNEL WIDTH	40-50'	40-60	80-180'	35-55'
WATER WIDTH	15-30'	12-30	40-160'	18-35'
MAX. POOL DEPTH	24"	20"	72"	36"
RIGHT BANK SLOPE	15-65%	10-40%	15-40%	5-10%
LEFT BANK	10-55%	10-35%	15-45%	5-15%
BANK STABILITY	good	good	good	good
% BANK COVER	80 %	60 %	50 %	30 %
SPECIES MIX	spruce, hemlock, alder		grasses	alder
LOD FREQUENCY	≤ 2/100'	0	—	2/100'
POOL/RIFFLE RATIO	20/80	10/90	100/-	35/65
BEDROCK				
BLDR > 20"				
ROCK 6-20"				
RBBL 3-6"	5			15
GRVL ¼-3"	90	95	50	60
SAND/SILT	5	5	50	25
% ASA	≤ 50%	≤ 50%		20 %
GRAVEL QUALITY	good	v. good	—	good
REARING QUALITY	poor	poor	v. good	fair
FISH SPECIES	coho fry		coho fry	
ABUNDANCE	1/20'	1/25'	10/10'(?)	10/15'

3/84

COMMENTS (MIGRATION BARRIERS, BLOWDOWN, LEAVE TREES, FLAGGING, TAGS, DESCRIBE LOD, ENHANCEMENT OPPORTUNITIES, TEMPERATURE SENSITIVITY, MANAGEMENT RECOMMENDATIONS)

0+00 Confluence of Stream 2 with Logjam Creek (Str 1). Begin Str 2 survey, proceed upstream. Unit boundary is to stream left (downstream view) throughout this survey, and all leave trees painted NC (no cut, blue paint) are

on the left and upper left bank

0+65 Unit tag site for Str 2, a 12" dbh hemlock painted NC.

2+08 20" dbh spruce, NC

3+10 16" spruce NC

3+20 10" hemlock NC

3+40 16" spruce NC

4+30 Three blowdown LOD, 20-26" diameters, with rootwads, bank to bank suspended 2 ft above stream. They are not recent or merchantable.

5+90 Unit boundary varies in distance 20 to 60 ft from the stream on the upper left bank (downstream view). Many submerchantable trees including alder lie between the boundary and the channel edge. They are not painted NC but are not expected to be cut or impacted during unit harvest.

6+82 Stream channel widening although characteristics remain the same except for a noticeable lack of LOD. Pools are very few in occurance and rearing habitat is limited. The channel edges, especially on the stream left, appear to have shifted over time but are stable and grass covered.

8+60 30" spruce (defective) NC

10+50 30" dia. blowdown tree; not recent, rooted, bank to bank, partially in the streamflow

10+80 Active beaver dam, 70 ft. wide by 4 ft. high, built on two, old, bank to bank LOD trees. This dam pond extends upstream for approximately 900 ft.. It varies

in width to 160 ft. and presently encompasses several merchantable trees along the left stream channel edge, which is inundated with pond water. The unit boundary on the upper left bank varies in distance 10 to 30 ft. from the channel edge. This pond provides extensive rearing area to juvenile coho salmon, and they were commonly observed along the flooded pond perimeter of both banks.

12+00 30" hemlock NC

12+30 12" hemlock NC

12+80 Two, 14" hemlocks NC

14+35 26" spruce NC. Unit boundary down to 10 ft. from channel edge. The pond here is 70 ft. wide and 6 ft in depth.

15+60 Pond now 160 ft wide and has flooded (and "stranded") many old alder and a few (>20" dbh) spruce that are not painted NC but cannot be harvested

16+10 30" spruce NC. The tree is currently "stranded" on an "island"

19+70 Upper end of the pond

20+20 Three 10" hemlocks NC'd. Located on the upper left bank, they are 15-20 ft. from the stream channel edge and form the unit boundary. The channel is typically grass banked and the stream is 40% 3" deep riffle/glide. Old alder growth is common in the wide channel basin. LOD is old conifer (predating the alder) and 30% crosses the stream while bedded in the substrate, with considerable bedload gravel fill. Rearing

habitat is fair, and spawning habitat is excellent. This area may also have been flooded (beaver) at one time. The unit boundary is 15 to 60 ft. from the channel edge.

23+50 26" hemlock NC, left streambank.

23+60 Confluence of Stream 3 with stream 2. The unit boundary follows the upper left bank of stream 3 and no longer has influence upon Stream 2 (see aerial and map). End of stream 2 section survey.

Note: Stream #2 is designated by ADF&G (stream #103-30-10660-2035) as temperature sensitive. The south-facing portion of the stream "bordered" by unit 577-39 is generally in a very wide channel basin and recieves minimal canopy cover/shading during the summer months. As layed out, harvest impact to the existing canopy cover should be reduced by both "NC" designated leave trees and non-merchantable tree growth (including older) between the boundary and channel edge.

STREAM SECTION SURVEY

ROAD/UNIT 577-39 ADF&G STREAM # 103-30-10660

STREAM # 3 AERIAL PHOTO # 12 27 579-10

VCU # 577 STREAM PHOTO #

QUAD CRAIG D4 NE T 69 S R 81 E S 28 29

SURVEYORS STEWART/MODEL DATE 7-12-84

SECTION/REACH	0 → 3+00	→ 4+10	→ 20+80	→ 27+30
STREAM CLASS	I	I	I	I
GRADIENT	≤1%	1-2%	1-2%	1-2%
FLOW STAGE	4 cfs	4 cfs	4 cfs	4 cfs
CHANNEL WIDTH	25-45'	15-30'	15-30'	20-30'
WATER WIDTH	5-15'	5-12'	15-30	25'
MAX. POOL DEPTH	28"	28"	28"	30"
RIGHT BANK SLOPE	5-15%	15-20%	5-7%	30%
LEFT BANK	5-15%	15-25%	5-10%	25%
BANK STABILITY	good	good	good	good
% BANK COVER	90%	70	70	60
SPECIES MIX	alder, grasses, devils club, hemlock			
LOD FREQUENCY	5-7/100'	2-5/100'	2-3/100'	2-3/100'
POOL/RIFFLE RATIO	35/65	40/60	35/65	60/40
BEDROCK		20%	5-15%	
BLDR >20"		5		
ROCK 6-20"		-	15	
RBBL 3-6"	5	30	15	10
GRVL ¼-3"	80	40	45	75
SAND/SILT	15	10	15	15
% ASA	25%	<10%	5-15%	25%
GRAVEL QUALITY	good	fair	good	good
REARING QUALITY	good	fair	fair	fair
FISH SPECIES	coho fr.	-	-	-
ABUNDANCE	2-5/10'			

3/84

COMMENTS (MIGRATION BARRIERS, BLOWDOWN, LEAVE TREES, FLAGGING, TAGS, DESCRIBE LOD, ENHANCEMENT OPPORTUNITIES, TEMPERATURE SENSITIVITY, MANAGEMENT RECOMMENDATIONS)

Note: Stream 3 is approx. 60% smaller than stream 2 and is not designated as temperature sensitive (ADF&G)

0+00 Confluence of stream 3 with str 2. Begin survey of

stream 3, proceed upstream. Unit 577[illegible]9 boundary is to stream left (downstream view) along upper left bank, approximately 10-15 ft. from the channel edge. This first stream section is typically in a wide, grass and alder covered channel basin (past flooding or ponding?). LOD is decayed and generally fragmented. Gravel bedload deposits above and below the LOD provide good salmon spawning areas.

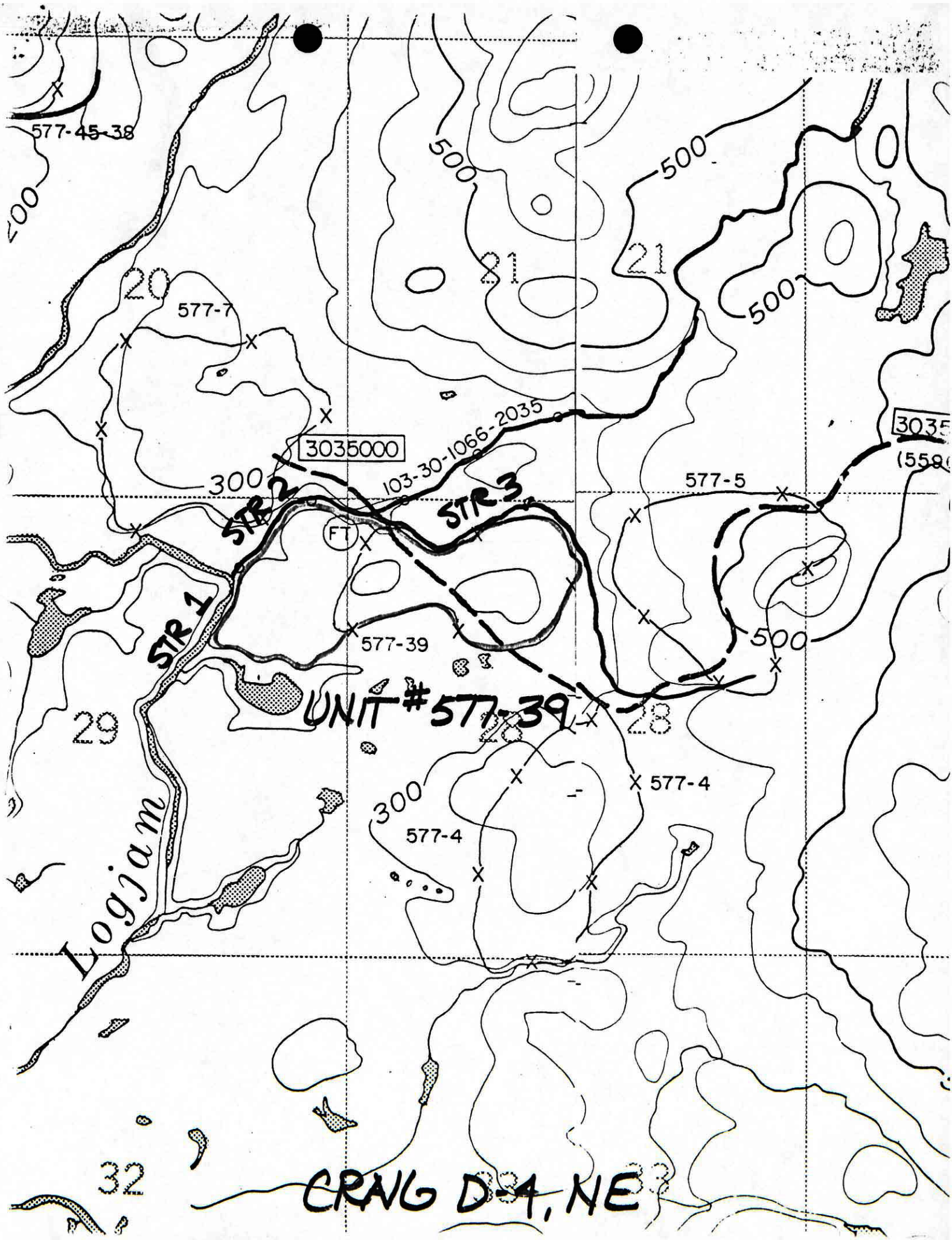
0+50 Tag site for Stream 3, a 10" dbh spruce (NC), next to a 12" NC'd hemlock.

3+00 Begin bedrock outcrops. Frequency averages 20 ft per 100 ft of stream, and fish shelter/rearing is good in the bedrock pools (fair overall). Both stream and channel width narrow considerably in sections of bedrock substrate

4+00 Upstream channel will now exhibit occasional bedrock outcrops between longer stretches of wide, flat, grass and alder covered channel in the immediate drainage basin. Spawning habitat is generally good for coho salmon, with fair but limited rearing. The unit boundary varies 10 to 40 ft. from the channel edge on the upper left bank, depending on the site yarding capability.

6+88 28" dbh spruce NC, rooted to left bank/channel edge in short bedrock notch.

20+80 First beaver dam and pond on stream 3.


577-45-38
500
500
500
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21
21
20
577-7
3035000
103-30-1066-2035
300
STR 2
STR 3
FT
577-5
3035
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STR 1
577-39
UNIT #577-39
29
28
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Logjam
32
CRAG D-4, NE