OK
R. Reed
Reg Sup
3/19/85
TB
10-9-85

State of Alaska
Department of Fish and Game 85-368
Public Review Nomination for Waters
Important to Anadromous Species

[X] Addition [ ] Deletion

Name of Waterbody (if known): Control Lk cr. tributary GK SJS 10/23/85

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

Anadromous Waters Catalog Volume and Number 102-70-10580-2035-3013-#7 ~~-4004~~-5002

USGS 1:63,360 Quadrangle CRAIG (C-3) (3)

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

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

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

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.

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

Date: 12-26-84 Signature: Bob Metzger

THORNE BAY RANGER DISTRICT
POB (8438)
KETCHIKAN, ALASKA, 99901

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~~S.O.~~
A.D.F.G.

STREAM SURVEY REPORT

Date: 5-17-84 V.C.U.: 576

Camp: Thorne Bay Unit: 576-1/18 (90 acres)

ADFG #: 102-70-10580-303 Road: 300E (P line)

Quad Map: CRAIG C-3 NE T 71S R 82E Sect 15

Air Photo No.: 12 33 379-177

TYPE OF HABITAT	Stream Numbers
Class I - Anadromous	1, 2, 3
Class II - Resident	3
Class III - Water Quality	3

Streams Flagged: BLUE/WHITE ORANGE/WHITE GREEN/WHITE
Streams marked with metal tags: Road ____ Unit X
Temperature Sensitive: YES X NO ____

Stream #1, Control lake creek (Balls Lake outlet, see map)

Is future fish habitat enhancement possible? YES X NO ____
If so, describe: Stream #2 appeared to have LOD in section surround

Survey Crew Members:
Ron Model
Rob Conerer
Mike Pease

Report Reviewed By: Bob Metzger Fish Biol 7/10/84
Signature Title Date

Recommendations:
See attached sheets for specific prescriptions.
Note that several trees along streams 1 and 3 were flagged yellow for leave. I would like to review these trees with a timber person prior to painting and/or unit release. It may be possible to take several of them without impacting the stream.

STREAM SECTION SURVEY

ROAD/UNIT 576-1/18 ADF&G STREAM # 102-70-10580-3013

STREAM # 2 AERIAL PHOTO # 12 33 379-177

VCU # 576 STREAM PHOTO #

QUAD CRAIG C-3 NE T 71S R 82E S 15

SURVEYORS WEDEL, SCHERER, PEASE DATE 5-17-84

SECTION/REACH	0 → 2+09		
STREAM CLASS	I		
GRADIENT	1.5%		
FLOW STAGE low	4-6 cfs		
CHANNEL WIDTH	25-30'		
WATER WIDTH	10-25'		
MAX. POOL DEPTH	28"		
RIGHT BANK SLOPE	10-15%		
LEFT BANK	40%		
BANK STABILITY	good		
% BANK COVER	80%		
SPECIES MIX	alder, brush		
LOD FREQUENCY	4-6/100'		
POOL/RIFFLE RATIO	30/70		
BEDROCK			
BLDR >20"	5		
ROCK 6-20"	15		
RBBL 3-6"	40		
GRVL ¼-3"	30		
SAND/SILT	10		
% ASA	15%		
GRAVEL QUALITY	good		
REARING QUALITY	fair		
FISH SPECIES	coho fry		
ABUNDANCE			

3/84

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

0+00 Tag site at confluence with Small Lk Creek (Str 1)
Begin B&W flagging on Stream 2, proceed upstream.

Stream 2 cont.

Stream provides [illegible] and veering (limited) habitat to stream 1. Most [illegible] over large gravels. LOD is older, decaying, but submerged and creates pools with gravel fill areas above. Unit boundary 40+ ft away to stream left (downstream view) and veering further. No directional problems noted.

2+09 Unit boundary veers north away from stream and immediate drainage basin. End B & W flagging along stream 2, end survey.

STREAM SECTION SURVEY

ROAD/UNIT 576-1/18 ADF&G STREAM # 102-70-[illegible]-3013

STREAM # 3 AERIAL PHOTO # 12 33 379-177

VCU # 576 STREAM PHOTO #

QUAD [illegible] C-3, NE T 71S R [illegible] S 15

SURVEYORS Medel, [illegible] DATE 5-17-84

SECTION/REACH	0 → 1+10	→ 5+60	→ 12+83
STREAM CLASS	I	I	I
GRADIENT	± 1%	1%	1%
FLOW STAGE low	<1 cfs	.5	.5
CHANNEL WIDTH	5-9'	4-7'	4-7'
WATER WIDTH	4-8'	3-6'	3-6'
MAX. POOL DEPTH	18'	16"	15"
RIGHT BANK SLOPE	2-4%	1-3%	1-3%
LEFT BANK	2-4%	"	"
BANK STABILITY	fair (mud)	fair	poor
% BANK COVER	40%	40%	45%
SPECIES MIX	light brush, d.c.		
LOD FREQUENCY	<3/100'	3-5/100'	3-5/100
POOL/RIFFLE RATIO	50/50	50/50	50/50
BEDROCK			
BLDR >20"			
ROCK 6-20"		-	
RBBL 3-6"	15	10	10
GRVL ¼-3"	70	50	45
SAND/SILT	15	40	45
% ASA	20%	15%	12%
GRAVEL QUALITY	good	fair	fair
REARING QUALITY	fair	fair	fair
FISH SPECIES	coho fry observed, cut (S")		
ABUNDANCE	10/100 ft	8/100 ft	5-8/100'

3/84

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

0+00 Enter unit southwestern boundary, approximately 645 ft above confluence of Str. 3 with Str. 2. Begin B&W flagging (coho fry observed).

STREAM SECTION SURVEY

ROAD/UNIT 576-1/18 ADF&G STREAM #

STREAM #3, cont AERIAL PHOTO #

VCU # STREAM PHOTO #

QUAD T R S

SURVEYORS DATE

SECTION/REACH	→ 20+35	→ 22+40		
STREAM CLASS	II	III		
GRADIENT	2%	6%		
FLOW STAGE low	< 5 cfs	.30 cfs		
CHANNEL WIDTH	3-6'	3-5'		
WATER WIDTH	2-5'	2-4'		
MAX. POOL DEPTH	12"	8"		
RIGHT BANK SLOPE	5-10%	5 15%		
LEFT BANK	5	10		
BANK STABILITY	fair	fair		
% BANK COVER	50%	50%		
SPECIES MIX	D.C, light brush, conifer			
LOD FREQUENCY				
POOL/RIFFLE RATIO	30/70	5/95		
BEDROCK				
BLDR >20"		35		
ROCK 6-20"		45		
RBBL 3-6"	10	20		
GRVL ¼-3"	55			
SAND/SILT	35			
% ASA	<2%	0%		
GRAVEL QUALITY	poor	none		
REARING QUALITY	poor			
FISH SPECIES				
ABUNDANCE				

3/84

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

next page for continued comments

Stream 3, [illegible]

0 → 2+10 very small stream [illegible] gradient, flowing as shallow glide. Banks are mud/soil, stability only fair. Undercuts are common but pools are shallow (low at time of survey) and shelter is limited.

2+10 Begin section of blowdown and debris, not recent. No passage problem.

2+30 End of abundant LWD/blowdown/debris, although still common above.

2+92 2½ ft. debris fall. Possible migration barrier to coho fry less than 2" length. Fry observed in relatively light numbers (see data sheet), especially upstream, but may be at carrying capacity of stream.

3+39 36" dia. spruce, recent blowdown. Yarding will impact streambanks. Flagged yellow, leave status.

5+64 Enter meadow area. Stream bordered by grasses, skunk cabbage; open canopy. Gradient < 1%. Sand and silt in substrate. Flow shallow. LWD > 10 pieces/100 ft., old and recent both, 60% with rootwads, 40% bedded in stream.

9+08 Switch to D&W flagging. Marginal anadromous fish habitat. End of meadow area next 100 ft..

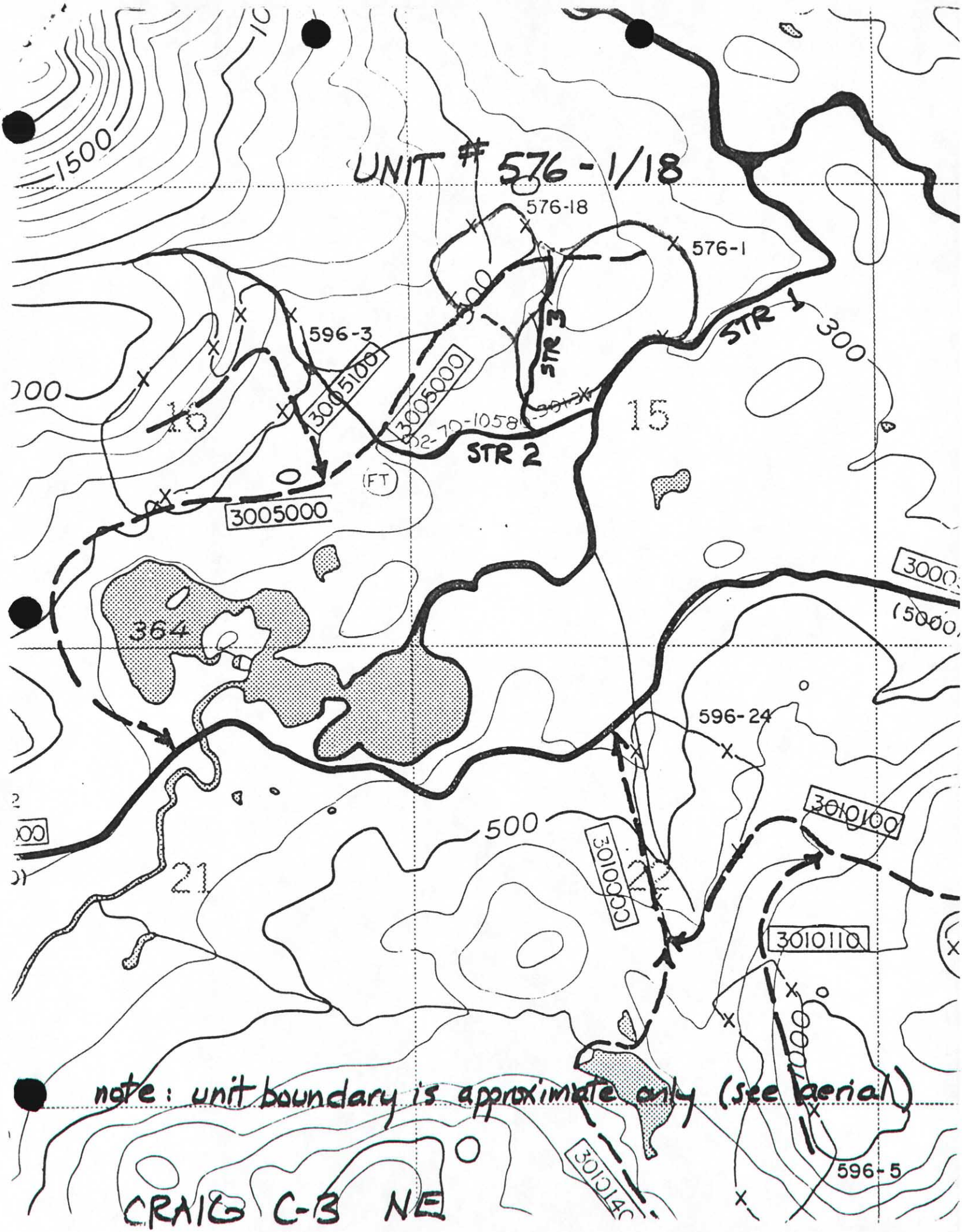
12+83 Small (2-15 cfs) tributary on right, muskeg drain, not flagged, 6% gradient after 30 ft.

[illegible]+00 End of marginal B&W. D&W resumed

∴ Stream 5, cont.

20+35 End O&W (resident fishery) habitat, very marginal shallow, silt and woody debris covers small (1/4-1/2") gravels. Wetland banks now low (1 1/2' max.). LOD is very common, fragmented, decayed. Gradient increasing to 2%, substrate also changing to large gravel, rubble, riffle flow. Begin G&W

22+40 End G&W flagging (water quality influence), at 3005 ROAD crossing (no passage required). Gradient is 6%, but muskeg flats noted upstream. No habitat. End survey.


UNIT # 576-1/18
576-18
576-1
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STR 1
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(FT)
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596-24
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596-5
note: unit boundary is approximate only (see aerial)
CRAIG C-3 NE