84-652 OK R. Reed Reg Sup. 3/11/85 TB 10-9-85 OK STS 10/23/85

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

[X] Addition/Correction [ ] Deletion

Name of Waterbody (if known): _____

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

Anadromous Waters Catalog Volume and Number 102-70-10580-2023-~~3011~~ 3019

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		

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.

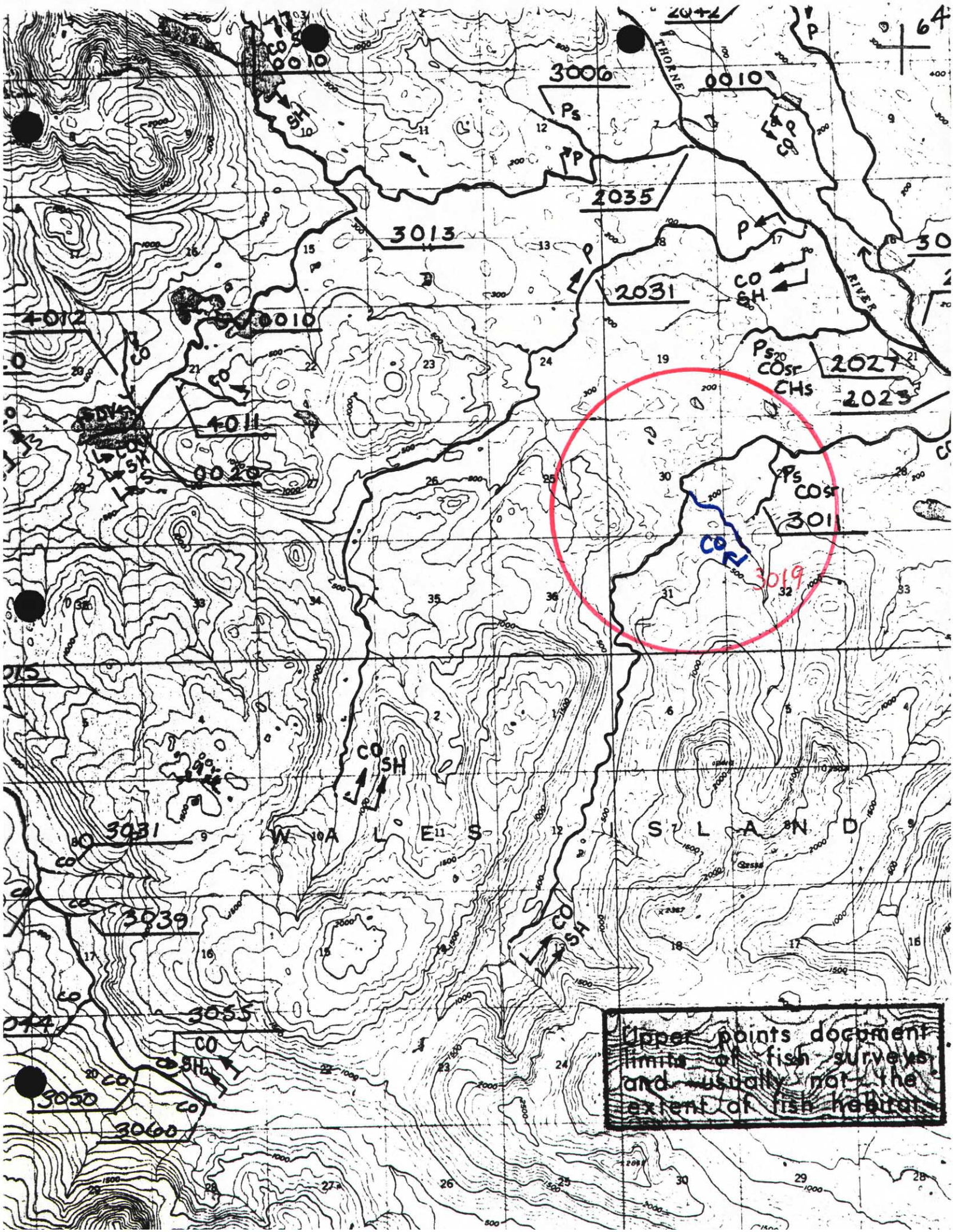
EXTEND UPPER LIMIT AS DESIGNATED ON MAP AND REPORT.

map correction of Coho Creek (versus "Coho Bolo" creek)

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

Date: 12-26-84 Signature: Bob Metzger

THORNE BAY RANGER DISTRICT
P.O.B. (3438)
KETCHIKAN, ALASKA, 99901



THORNE
RIVER
3006
0010
2035
3013
2031
4012
0010
4011
0020
2027
2023
3011
3019
3031
3039
3055
3050
3060
W A L E S
S L A N D
Upper points document limits of fish surveys and usually not the extent of fish habitat

Shafer

STREAM SURVEY REPORT

Date: 6-19-84 V.C.U.: 597

Camp: THORNE BAY Unit: COHO BOLO (23 ACRES)

ADFG #: 102-70-10580-2023-3011 Road: 3012

Quad Map: CRAIG C-3, NE T 71S R 84E Sect 29

Air Photo No.: 12 36 276-18

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 ✓

Is future fish habitat enhancement possible? YES ✓ NO _____

If so, describe: Lower half of Str 1 appears to be in need of LOD.

Comments: Approximately 14 streamside trees were marked for leave or enhancement addition (yellow flagging) during this survey (see data). Additional leave trees and blowdown marked by the district enhancement biologist are not recorded here. Streams 2 and 3 each have 75 ft. or less of stream length in the Coho Bolo sale unit (see map).

Survey Crew Members:
R. Medel
R. Stewart

Report Reviewed By: Bob Metzger (Signature) Fish Biol (Title) 7/19/84 (Date)

Recommendations: See attached sheet for specific recommendations.

Enhancement crews have flagged approx. 50 trees for leave along stream 1. These will have to be designated with blue paint before the unit is released. The trees will be used in a future LOD addition program.

See attached list of flagged leave trees.

0+54 14" hemlock leaner (10%) on left bank (downstream view), marked with yellow flagging. This section of stream and upstream portion is typically LOD deficient. The stream parallels the 3012 road and right-of-way tree removal extended to and across the stream. The result is a wide, flat, gravel substrate channel lined with alder-dominated second growth. Riffles and glides are very common and the few pools are shallow and do not provide fish shelter. Spawning habitat is fair for coho and pink salmon. Much of the alder appears to be mature and will soon contribute to stream diversity as LOD.

1+74 14" alder leaner, flagged yellow for leave/add (LOD, stream enhancement), left bank.

2+20 Unit tag site.

2+80 16" alder flagged yellow, right bank. Alder of uneven age class distribution lines both banks. Stream channel wide; flow shallow.

3+75 14" & 18" alders marked for leave/add, left bank.

4+00 16" leaner alder on left bank marked for leave/add.

4+21 14" alder on left bank, leave/add.

4+35 16" leaner hemlock, left bank, rootwad forms undercut bank. Flagged yellow for leave.

5+00 14" alder flagged leave/add, left bank.

5+52 12" alder flagged leave/add, left bank.

6+00 Bedrock outcrop, 30' in length. Section includes two pools, 10" & 18" deep, but of very poor fish shelter. Stream here is 9' wide and bedrock outcrops were noted to occur at about 7% of the channel composition (7' per 100').

6+30 20" hemlock leaner, rooted to right bank, flagged yellow.

6+45 Small tributary enters on stream right, flow appox. 0.25 cfs. Channel to 4 ft, flow to 2 ft down a 1.5% gradient. Coho rearing habitat, flagged B&W. This tributary should recieve full protection status from harvest impact. Stream is tagged STR 2 (see map).

7+86 24" dia spruce. 7% lean. Footwad forms left bank undercut. Flagged yellow for leave.

8+00 26" snag hemlock, flagged yellow, leave/add.

9+65 18" leaner hemlock, leave/add.

9+76 Second small tributary enters on stream right. flow is 0.25 cfs down a 2% gradient. Channel to 4 ft wide, streamflow to 2 ft. Coho rearing habitat, full protection recommended. Stream is STR 3 (see map).

9+80 Stream now beginning section of old and new blowdown. LOD and woody debris become increasingly common upstream. Stream itself is smaller in width with limited rearing and spawning habitat. The channel substrate exhibits a layer of organic debris/silt that appears to require greater flow volume to flush or remove than the drainage system can provide.

10+50 Blowdown frequency increasing, both old and recent

11+55 26" dia spruce, leaner (20%) across stream. Problem tree, flagged yellow.

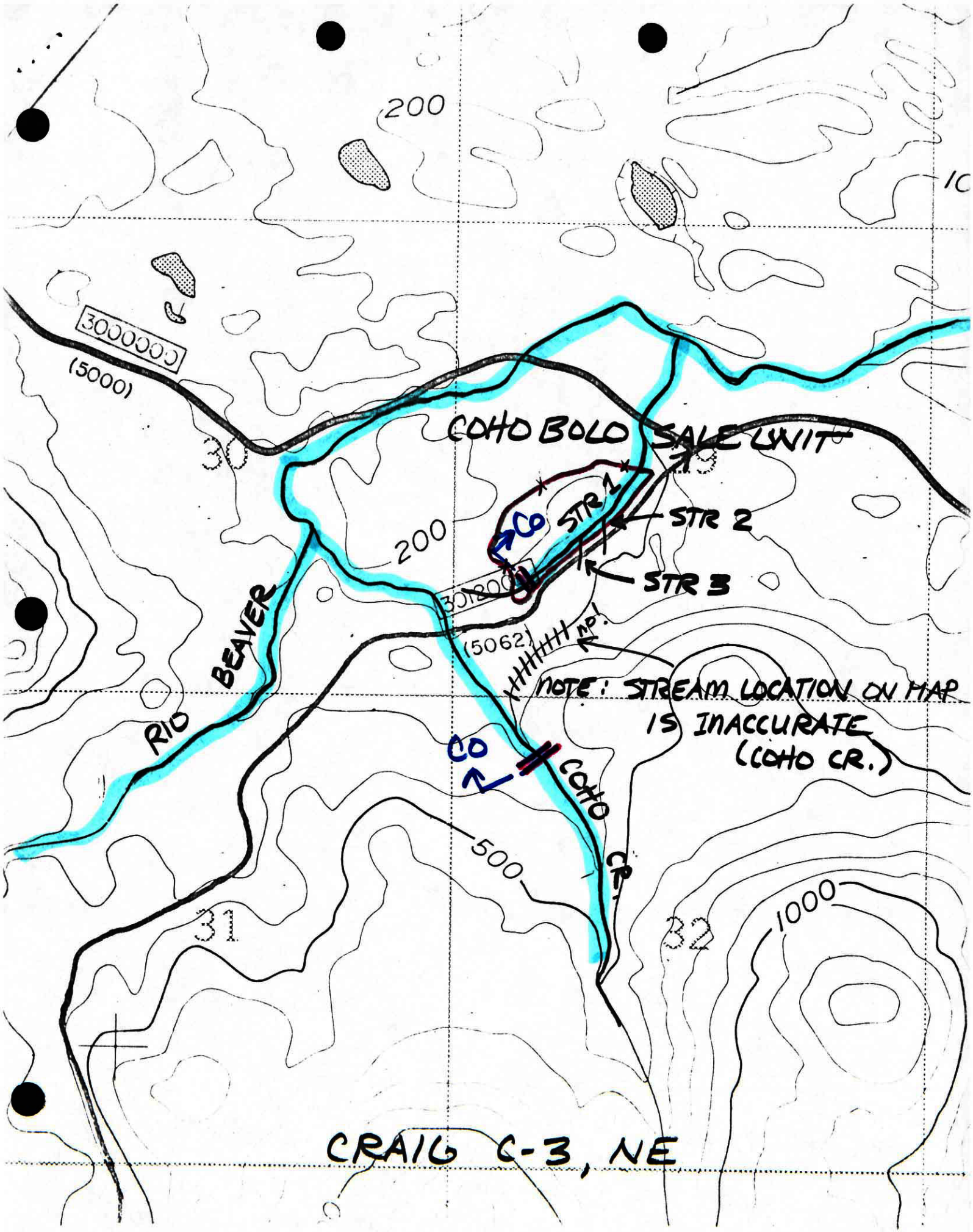
15+00 LOD frequency 5/100 ft, contributing to stream diversity and improving overall fish habitat condition.

15+80 Coho fry (2") noted.

17+00 Recent blowdown, creates off-channel areas of fair rearing habitat.

19+12 Emerge from section dominated by blowdown. Old LOD is partially submerged and creates good pooling and gravel depositions. Gravels of stream are clean and small (¼-2"), but habitat is still limited due to stream size and flow volume.

19+67 Upper unit boundary. End survey, and B&W flagging


200
300000
(5000)
COHO BOLO SALE UNIT
STR 1
STR 2
STR 3
200
CO
301800
(5062)
NP!
RIO BEAVER
NOTE: STREAM LOCATION ON MAP
IS INACCURATE
(COHO CR.)
CO
COHO CR.
500
1000
CRAIG C-3, NE