85-362
OK
R. Reed
Reg Sup.
3/11/85
TB
10-8-85
OK SJS
10/23/85

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

[X] Addition [ ] Deletion

Name of Waterbody (if known): Water Lake Creek

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

Anadromous Waters Catalog Volume and Number Volume V #102-70-10720

USGS 1:63,360 Quadrangle CRAIG (C-2) 3

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

Species	Date(s) Observed	Stage(s) (Spawning, Rearing, Migration)
Co	5-2-84	Spawn/rear

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

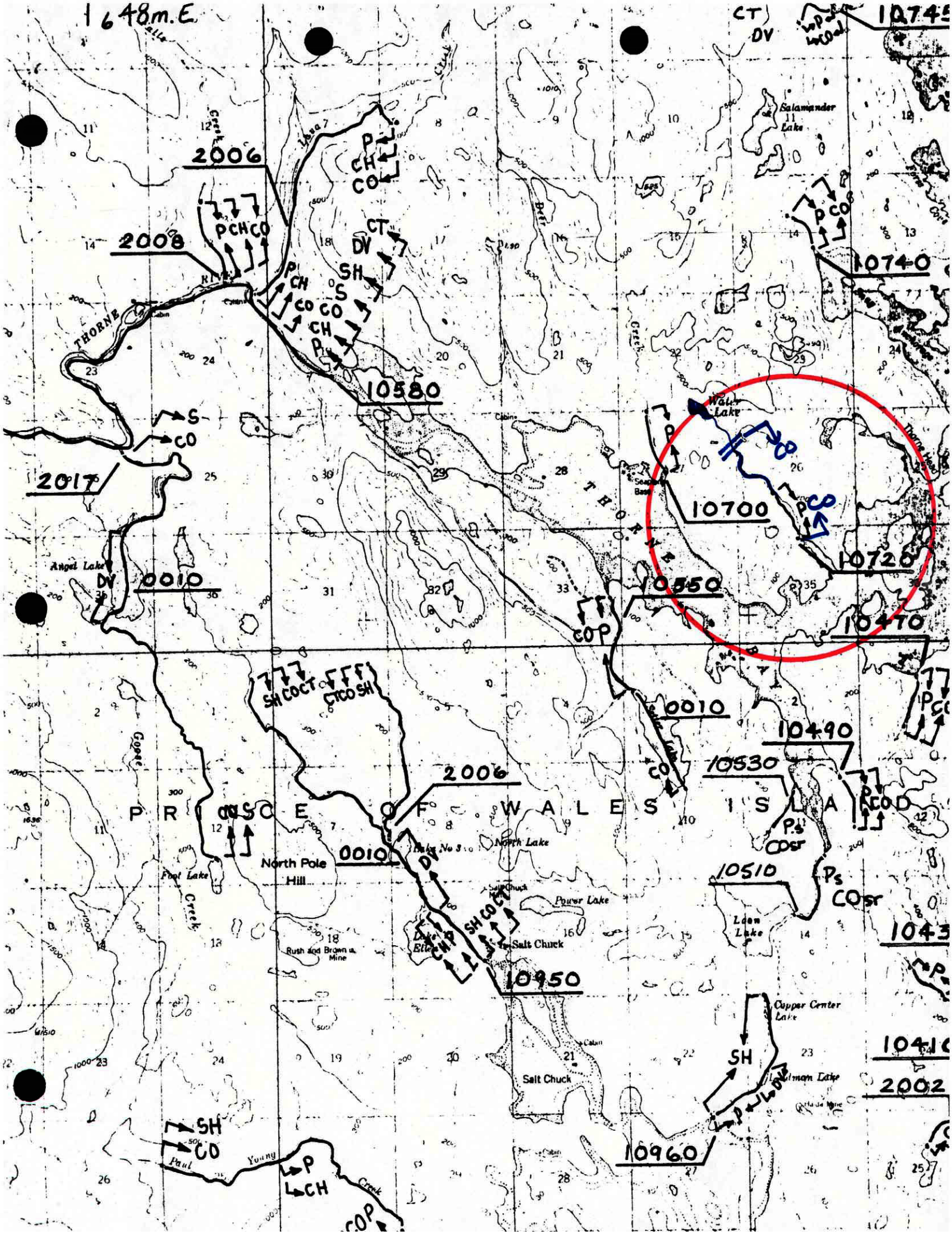
Comments: Please provide any clarifying information in addition to identification on Anadromous Waters Catalog Public Review Maps

EXTEND UPPER LIMIT AS DESIGNATED ON MAP AND REPORT (attached)

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

Date: 12/20/84 Signature: Bob Metzger

THORNE BAY RANGER DISTRICT
P.O. BOX
KETCHIKAN, ALASKA 99901


1648m.E
CT
DV
10745
Salamander Lake
2006
2008
P CH CO
P CH CO
CT DV SH S CO CH P
10740
THORNE RIVER
10580
S
CO
2017
Water Lake
10700
10720
Angel Lake
DV
0010
10550
10470
CO P
SH CO CT
CT CO SH
0010
10490
10530
2006
PRINCE OF WALES ISLAND
North Pole Hill
0010
North Lake
Foot Lake
Power Lake
10510
Ps COsr
Loon Lake
Salt Chuck
10950
Rush and Brown Mine
Copper Center Lake
SH
Salt Chuck
10960
SH
CO
Paul Young Creek
P
CH
COP

S.O.
ADFG

STREAM SURVEY REPORT

Date: 5/2/84

V.C.U.: 586

Camp: Thorne Bay

Unit: 586-3 (70 acres)

ADFG #: 102-70-10720

Road: 3000 140

Quad Map: CRAIG C-2 NW

T 71S R 84E Sect 26,27

Air Photo No.: 12 43 179-190

TYPE OF HABITAT

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

Stream Numbers

1, 2

1, 2

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

Is future fish habitat enhancement possible? YES _____ NO X
If so, describe:

Survey Crew Members:
Ron Medel
Rob Scherer

Report Reviewed By: Bob Metzger | Fish Biol | 5/29/84
Signature | Title | Date

Recommendations:

See attached sheets for streams 1 and 2.

Note that lining and jacking are not justified for these streams as long as harvest is timed between May 15 and Aug 15. The streams ~~appear to~~ are coho habitat but appear to be intermittent with very limited habitat during this period. Harvest outside of this window would likely impact active spawning gravels and would require full directional felling including lining and jacking.

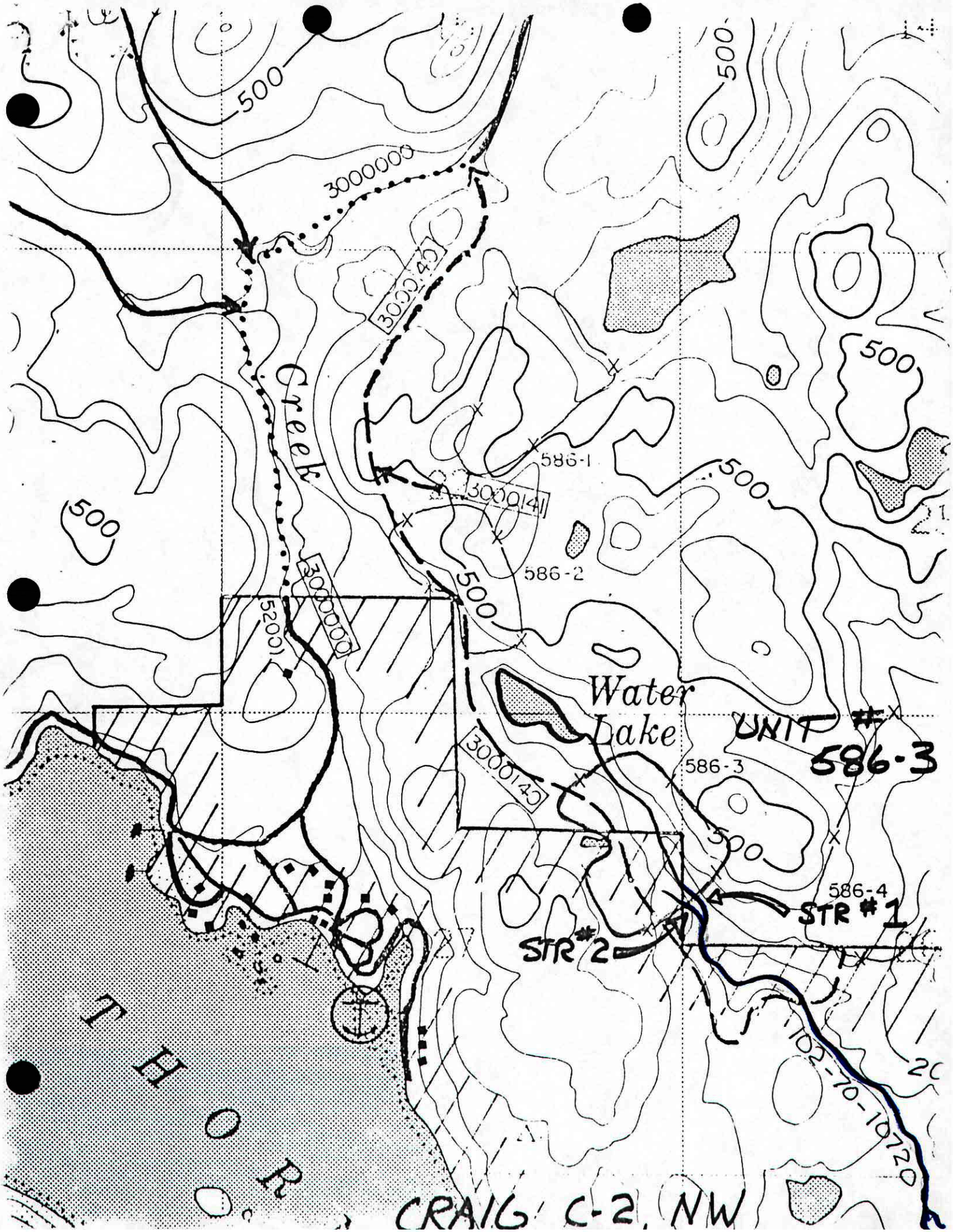
Stream 1, cont

Flow in stream 1 is intermittent above the meadow due to it's source, Water Lake, serving as the domestic water supply reservoir for Thorne Bay.
Coho fry (1-1½") were noted (below unit) in high numbers (15/20 ft) in the upper meadow stream. Intermittent pools also held fry. Rearing habitat is limited by the low, infrequent streamflow. and it appeared that the fry were seeded in the section itself when flow permitted spawning. In the section immediately below the unit boundary, streamflow is mostly slow riffle and glides over 1 to 4 inch dia. gravels. Undercut banks are common.

Within the unit, flow decreases rapidly with the increase in gradient (3+50). LOD creates pools and shelter in the stream below the unit but does not contribute significantly to stream diversity within the unit. It is generally of low frequency (<4/100 ft.), not rootwad secured, older and decayed, and of small diameter (3-12").

3+59 End of B/W flagging. No water visible in streambed. Coho fry noted in last observed pool at 2+95. Spawning gravels appear to be of good quality. Gradient increasing. No incisement, no stability problems. Begin G/W flagging (water quality).

5+01 End of G/W flagging and water quality influence


500
3000000
3000140
Creek
586-1
3000141
586-2
500
3000000
52001
Water
Lake
UNIT #
586-3
3000140
586-3
586-4
STR #1
STR #2
102-70-10720
THOR
CRAIG C-2, NW