

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

AWC Volume SE SC SW W AR IN USGS Quad Petersburg B-1
 Anadromous Water Catalog Number of Waterway 107-30-10200
 Name of Waterway Skip Creek and Tributaries . USGS name Local name X
 Addition Deletion Correction X Backup Information

For Office Use

Nomination # <u>93 118</u>	<u>Janal Shea</u> Regional Supervisor	<u>10-4-92</u> Date
Revision Year: <u> </u>	<u>Ed Wein</u>	<u>12/15/92</u>
Revision to: Atlas <u> </u> Catalog <u> </u> Both <u>X</u>	<u>J. Irone</u> Drafted	<u>1/5/93</u> Date
Revision Code: <u>A-1</u>		

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
<u>Coho</u>			<u>X</u>		

Provide any clarifying information, including number of fish observed, location of fish survey data, etc. Attach a copy of the fish survey data, if available. Attach a copy of a map showing location of mouth and upper points of each species, specific stream reaches identified for spawning or rearing, locations of barriers, such as falls.

Comments:
This nomination corrects the upper limits of coho salmon identified
during collection of data for Twin Timber Sale

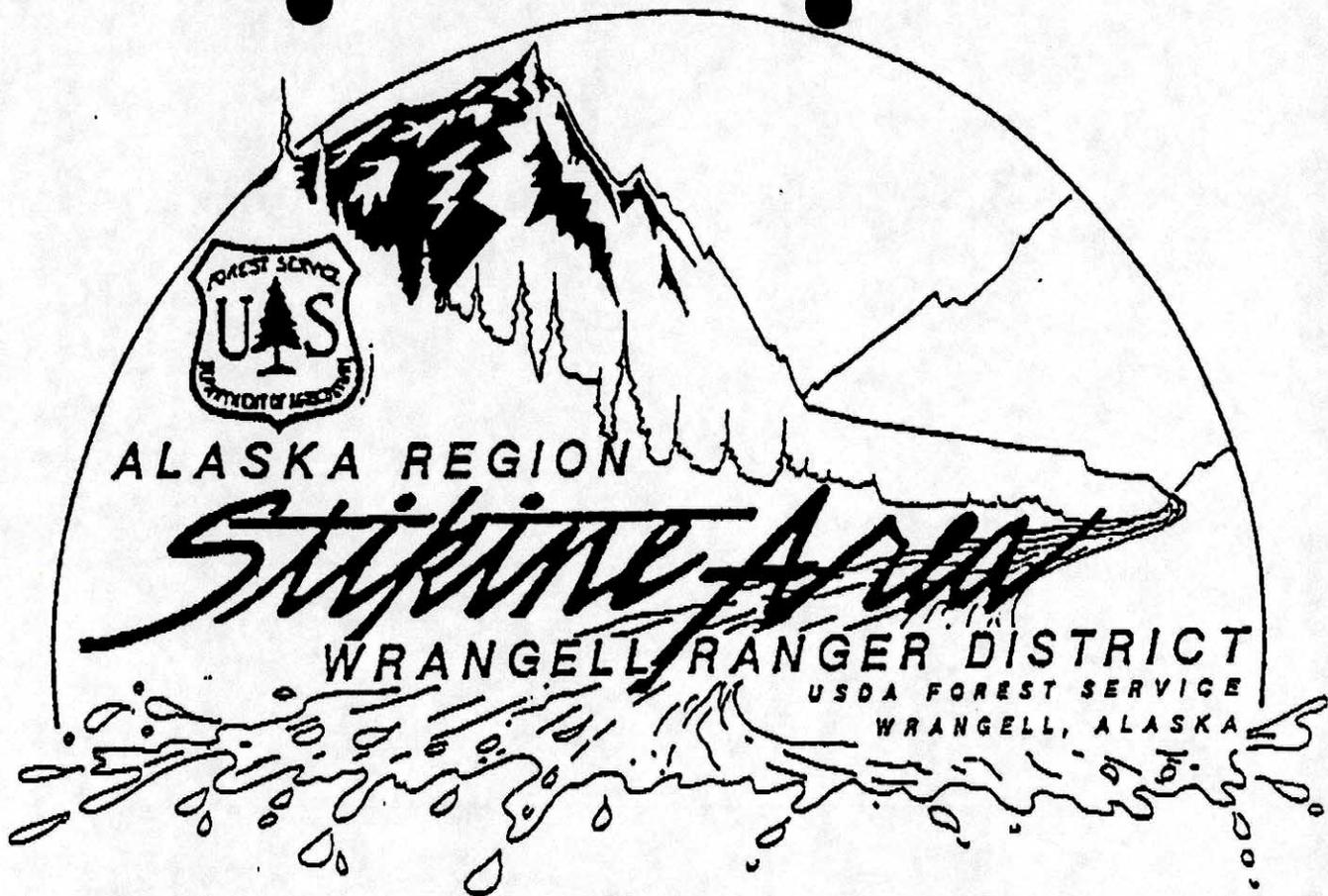
ALASKA DEPT. OF
 FISH & GAME

OCT 16 1992

REGION II
 HABITAT DIVISION

Name of Observer (please print) Dennis Reed
 Date: 10/8/92 Signature: Not available
 Address: USFS Wrangell Ranger Dist. Box 51
Wrangell, AK 99929

Signature of Area Biologist: Donald A. Counseling Rev. 12/91



OFFICE (907)874-2323 FAX (907)874-2095

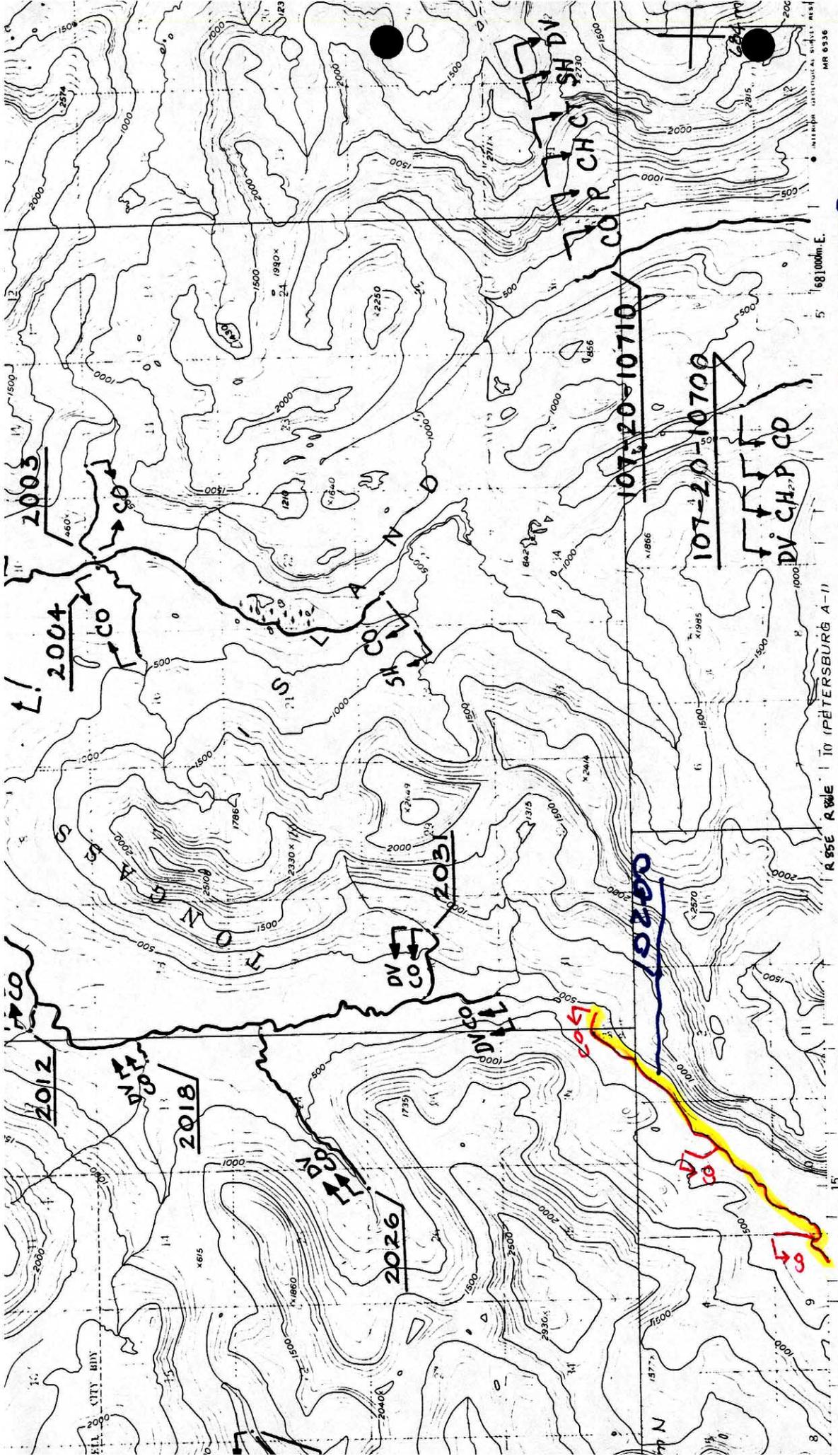
TO: Don Cornelius UNIT: ADFG, Psg 792-9336

FROM: Dennis Reed UNIT: WRD

NO. OF PAGES TO FOLLOW 34

DATE: 10/8/92 TIME: 1100

REMARKS: Not much, but here it is.



shed by the Geological Survey

Methods from aerial photographs
 Map not field checked
 This information is not intended for navigation
 projection, 1927 North American datum
 coordinate system, zone 1
 Mercator grid to 65
 and unmarked for Alaska
 Division of Lands
 only, the wetter area
 from aerial photograph

Scale: 1:63,360
 0 3000 6000 9000 12000 15000 18000 21000 FEET
 0 1 2 3 4 5 KILOMETERS

CONTOUR INTERVAL 100 FEET
 NATIONAL GEODETIC VERTICAL DATUM OF 1929
 DEPTH CURVES, IN FEET DATUM 11 - MEAN LOWER LOW WATER
 SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
 THE MEAN RANGE OF TIDE IS APPROXIMATELY 14 FEET

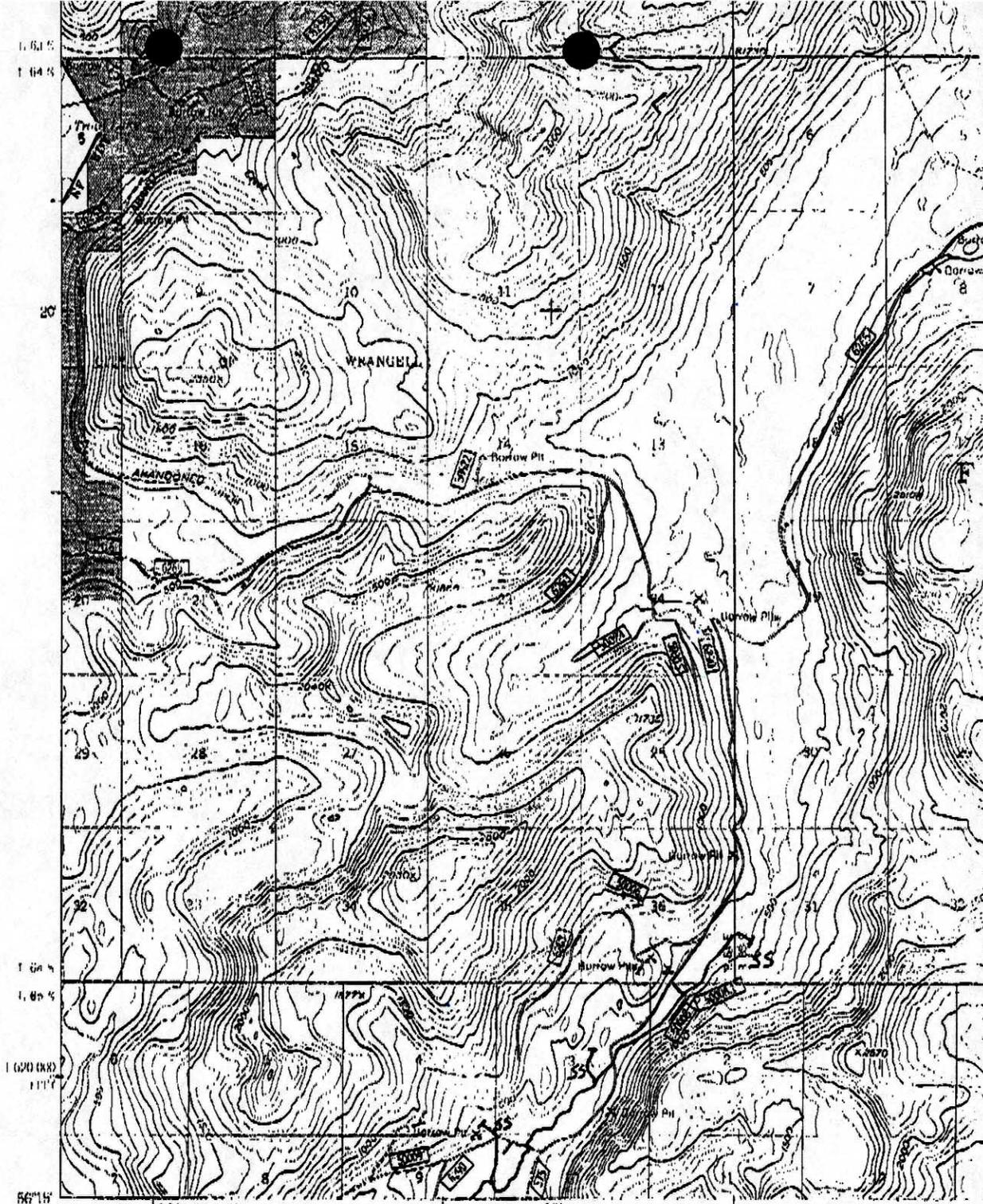
MAGNETIC NORTH
 TRUE NORTH
 APPROXIMATE MEAN DECLINATION, 1955

FOR SALE BY U.S. GEOLOGICAL SURVEY
 FAIRBANKS, ALASKA 99701, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Lake elevations are unchecked

PETERSBURG (N5615 - W1)

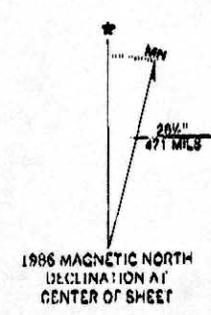
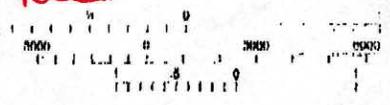
19
 MINOR REVISION



*Petersburg B-1
Skip Creek
PETERSBURG A-2)*

*From Dennis Reed
USFS
Wrangell*

Base map prepared by the U.S. Geological Survey
 Control by USGS and NOS/NOAA
 Topography by photogrammetric methods from aerial photographs taken 1948, field annotated 1955. Map not field checked
 Selected hydrographic data compiled from USC&GS Charts 8161 (1952) and 8201 (1956). This information is not intended for navigational purposes
 Universal Transverse Mercator projection, 1927 North American datum
 10,000-foot grid based on Alaska coordinate system, zone 1
 1000-meter Universal Transverse Mercator grid ticks, zone 8
 Land lines represent unsurveyed and unmarked locations predetermined by the State of Alaska, Division of Lands, Copper River Meridian
 Swamps, as portrayed, indicate only the water areas, usually of low relief, as interpreted from aerial photographs
 To place on the predicted North American Datum 1983 move the projection lines 38 meters north and 102 meters east
 Modification to USGS base map by the Geomatics Service Center from 1973-1985 aerial photography and 1988 correction guides furnished by the Alaska Region
 Landnot revised according to additional Forest Service evidence



- National Forest Boundary
- ▨ Alienated Lands within the National Forest Boundary
- TOWNSHIP AND SECTION LINE CLASSIFI
- Surveyed
- Surveyed, Location Doubtful
- Unsurveyed, Protraction

CONT
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FINAL

Original identified upper limits

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



10 (PETERSBURG B-1)

134 32° 20' 66000m. E.

15 15

(PETERSBURG B-2)

Salamander Watershed

Skip Watershed

S37D

S37B

S37C

Trib 1

Trib 2

Trib 3

Trib 4

Trib 5

Trib. 2

Trib. 1

- Watershed
- - - Sub Watershed
- ⋯ AHMU Class I
- ⋯ AHMU Class II
- ⋯ AHMU Class III
- X Partial Barriers

Scale: 1 inch = 1 mile

Salamander Creek contributes to both the commercial and sport fisheries. No subsistence permits are known to have been issued for this stream. Two road crossings provide ready access for anglers.

Skip Creek, ADF&G No. 107-30-10200, supports small natural runs of pink, chum, and coho salmon, cutthroat and steelhead trout, and Dolly Varden char. No ADF&G escapement data are available, but a range of 100 to 300 coho and pink has been estimated.

A partial barrier to upstream migration is located 1.3 miles from saltwater. This falls is suspected to be a complete barrier to chum and a significant partial barrier to pink salmon. The remaining species have access to the entire 30,400 feet of the mainstem channel.

Two minor tributaries drain into Skip Creek (Map I). Tributary #1 contains summer trout rearing habitat in its lower 500 feet. Tributary #2 possesses spawning and rearing habitat in its lower 300 feet. The majority of the spawning habitat is located in the mainstem.

Skip Creek contributes to both the commercial and sport fisheries. No subsistence permits are known to have been issued for this stream. Three road crossings provide easy streamside access for anglers.

Potential Enhancements

Salamander Creek. The lower two partial barriers are scheduled for jump-pool blasting in 1992 in order to provide upstream access for chum salmon. This enhancement is associated with the Middle Timber Sale located in sub-watershed #1. No bioenhancement is planned due to the presence of the netpen release facility in Earl West Cove.

Nine log structures have been placed in mainstem Salamander Creek (downstream from the proposed Twin Project Area) as a pilot project to test their ability to scour pool habitat in various channel types and to retain fish carcasses for nutrient cycling. More in-stream structures might be added in this section of the stream depending on the success of existing ones.

There is the potential to perform similar fish habitat manipulation in the upper Salamander Creek watershed within the proposed Twin Project Area. These sites require further examination to verify feasibility. In addition, some sites exist which could be conducive to testing another type of in-stream structure enhancement: backwatering small tributaries with low-profile notch dams or weirs to create coho overwintering habitat. These sites also require further examination.

Skip Creek. Upstream of the barrier is a channel type having a potential to have a high to very high value for pink salmon and coho and steelhead fry. Pinks are, for the most part, denied access to this reach but there is the potential to reduce the falls to allow passage. A feasibility study would be required to determine whether this could be done and whether benefits derived would equal or exceed costs.

The upper-most reach accessible to anadromous species has been impounded by beaver dams in the recent past, providing outstanding coho overwintering habitat. These dams have fallen into disrepair, presumably due to the cyclic nature of beaver populations, and the ponds have drained naturally. Conceptually, this section could be weired at one or more sites, creating artificial ponds. This section requires field examination to determine feasibility.

Salamander
Watershed

Skip Watershed

S37D

S37B

S37C

Trib 1

Trib 2

Trib 3

Trib

Trib 5

Trib 2

Trib. 1

- Watershed
- - - Sub Watershed
- ⋯ AHMU Class I
- ⋯ AHMU Class II
- ⋯ AHMU Class III
- X Partial Barriers

Scale: 1 inch = 1 mile