

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 107-30-10200-2055

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 Weir</u>	<u>12/15/92</u>
Revision to: Atlas <u>    </u> Catalog <u>    </u> Both <u>X</u>	<u>J. Drove</u> Drafted	<u>1/5/93</u> Date
Revision Code: <u>A-2</u>		

OBSERVATION INFORMATION

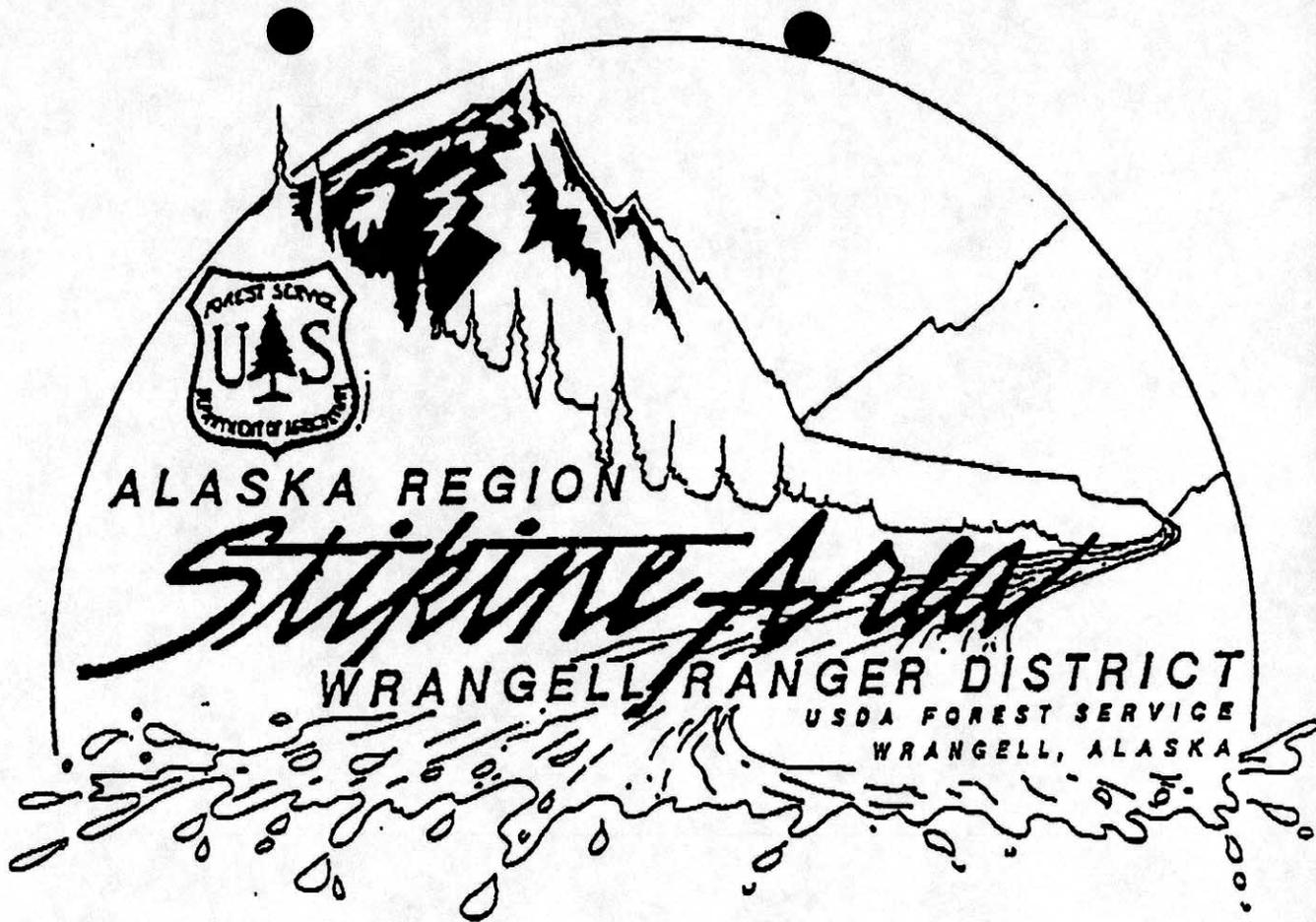
Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
<u>Coho</u>			<u>X</u>		

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. Connelley



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

TO: Don Cornelius UNIT: ADFG, Psg 772-9336

FROM: Dennis Reed UNIT: WRD

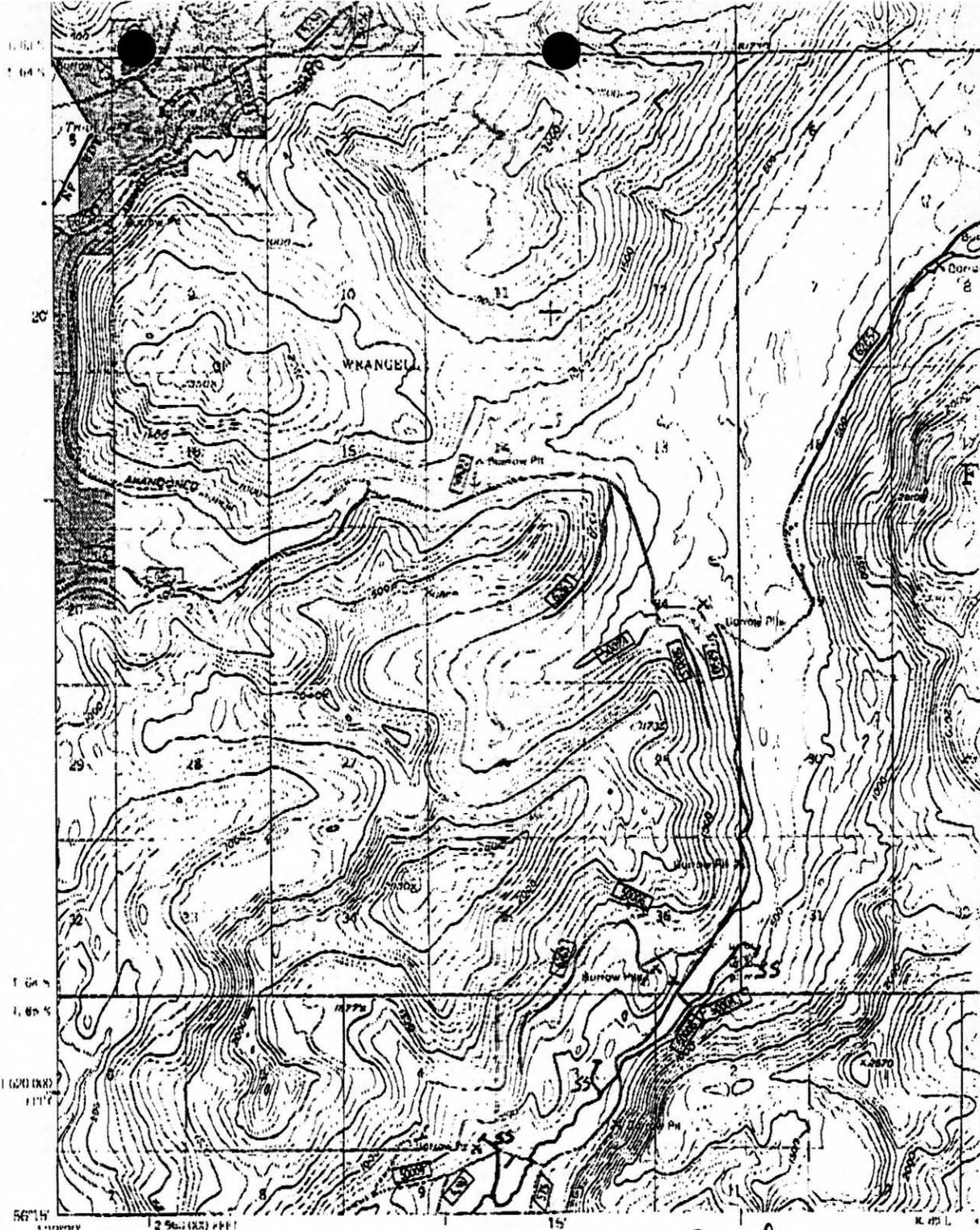
NO. OF PAGES TO FOLLOW 34

DATE: 10/8/92 TIME: 1100

REMARKS: Not much, but here it is.

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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_





*Petersburg B-1*  
*Skip Creek*  
*IPETERSBURG 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 1945, field annotated 1955. Map not field checked. Selected hydrographic data compiled from USCGS Charts 8161 (1952) and 8201 (1956). This information is not intended for navigational purposes.

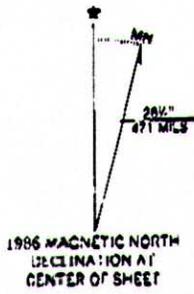
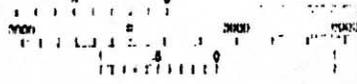
Universal Transverse Mercator projection, 1827 North American edition, 10,000-foot grid based on Alaska coordinate system, zone 1. 1000-meter Universal Transverse Mercator grid ticks, zone B.

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 wetter areas, usually of low relief, as interpreted from aerial photography.

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 1986 correction guides furnished by the Alaska Region.

Land not revised according to additional Forest Service evidence.



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

USGS  
 1:50,000  
 7.5-MINUTE  
 1986

FINAL

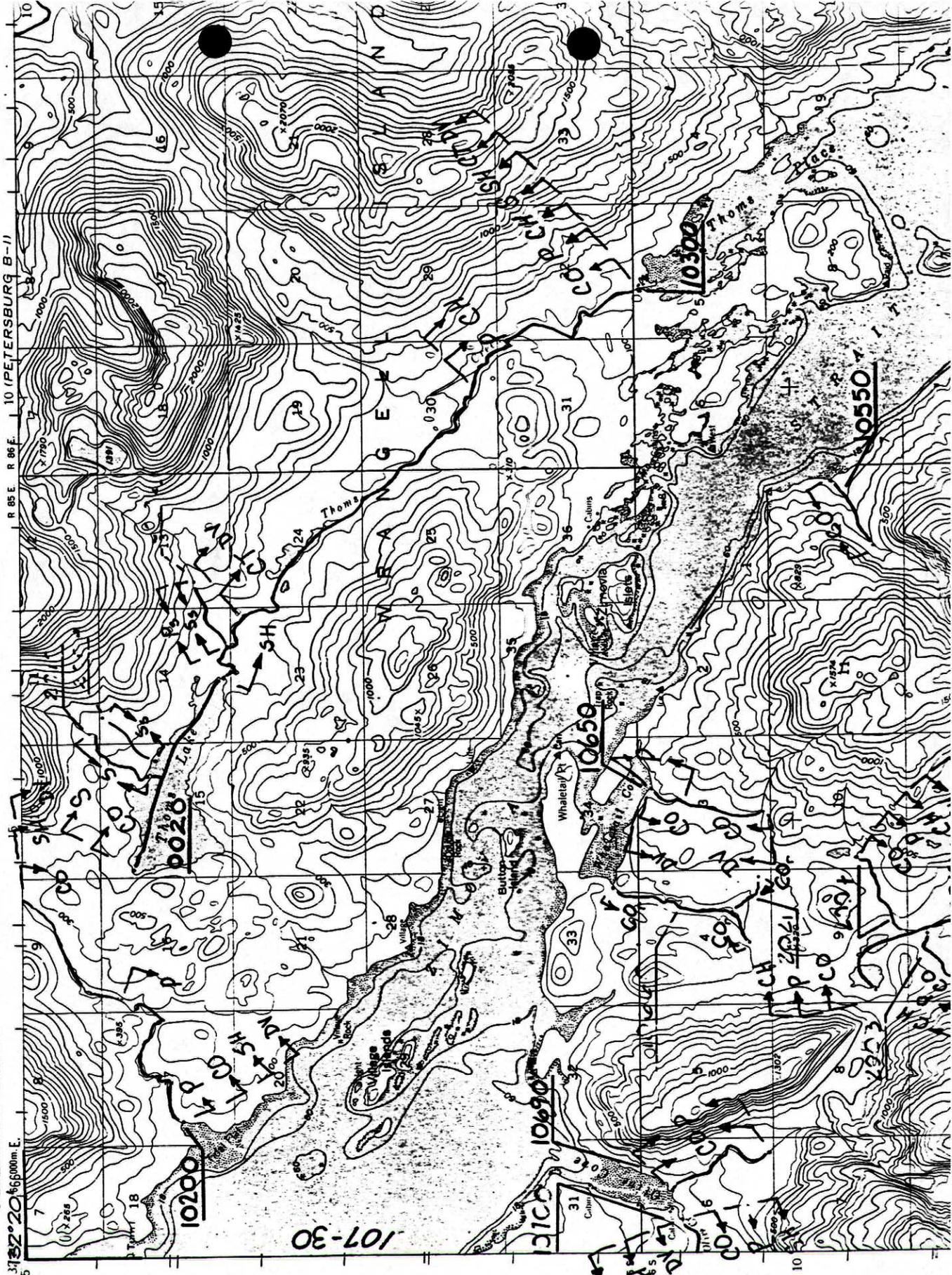
Original identified upper limits

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

137° 32' 20" W 66° 00' 00" N

R 85 E R 86 E 10 (PETERSBURG B-1)

EX-15



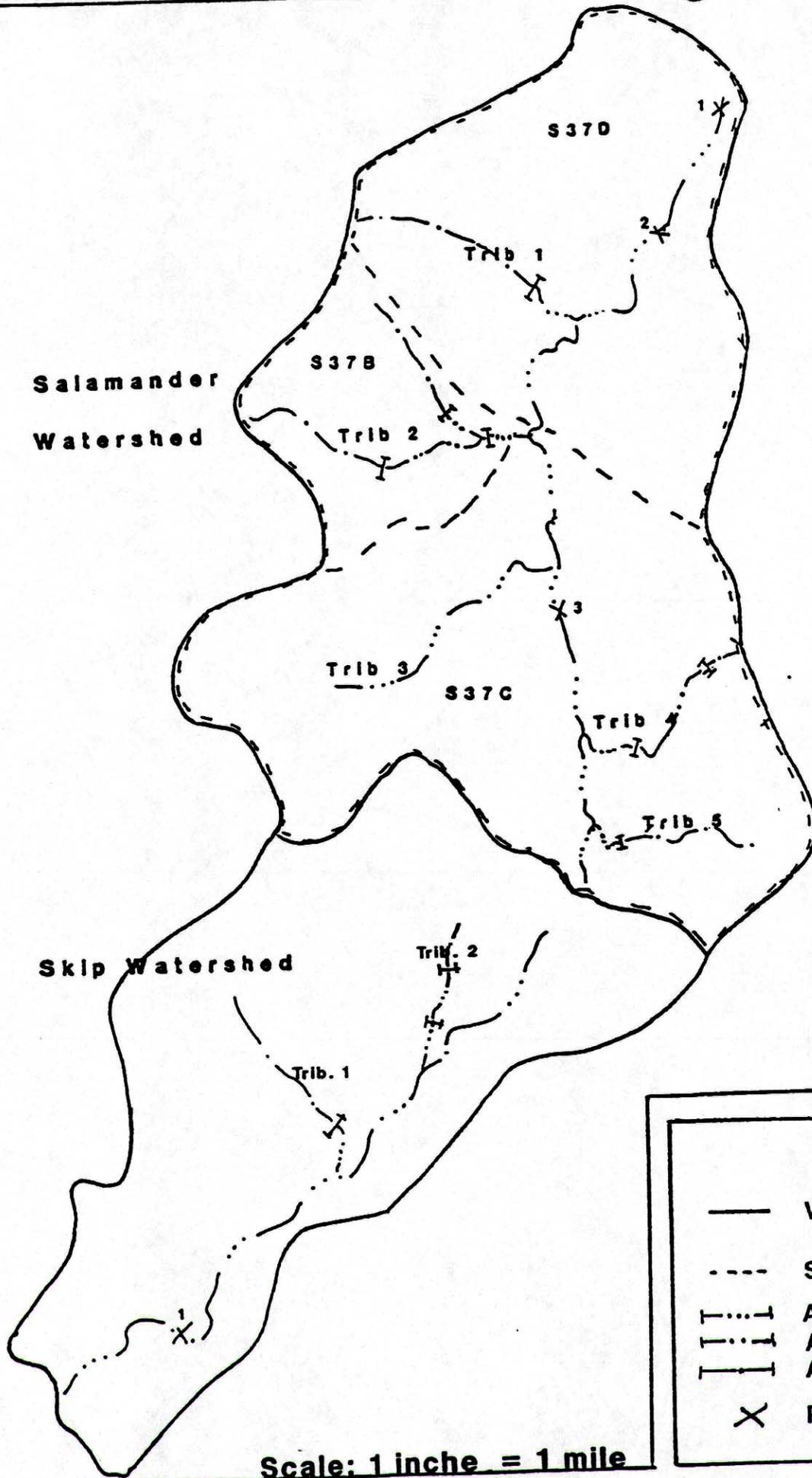
PETERSBURG B-2)

MAP I

Fro. Twin Timber Sale EA

Salamander  
Watershed

Skip Watershed



—	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.

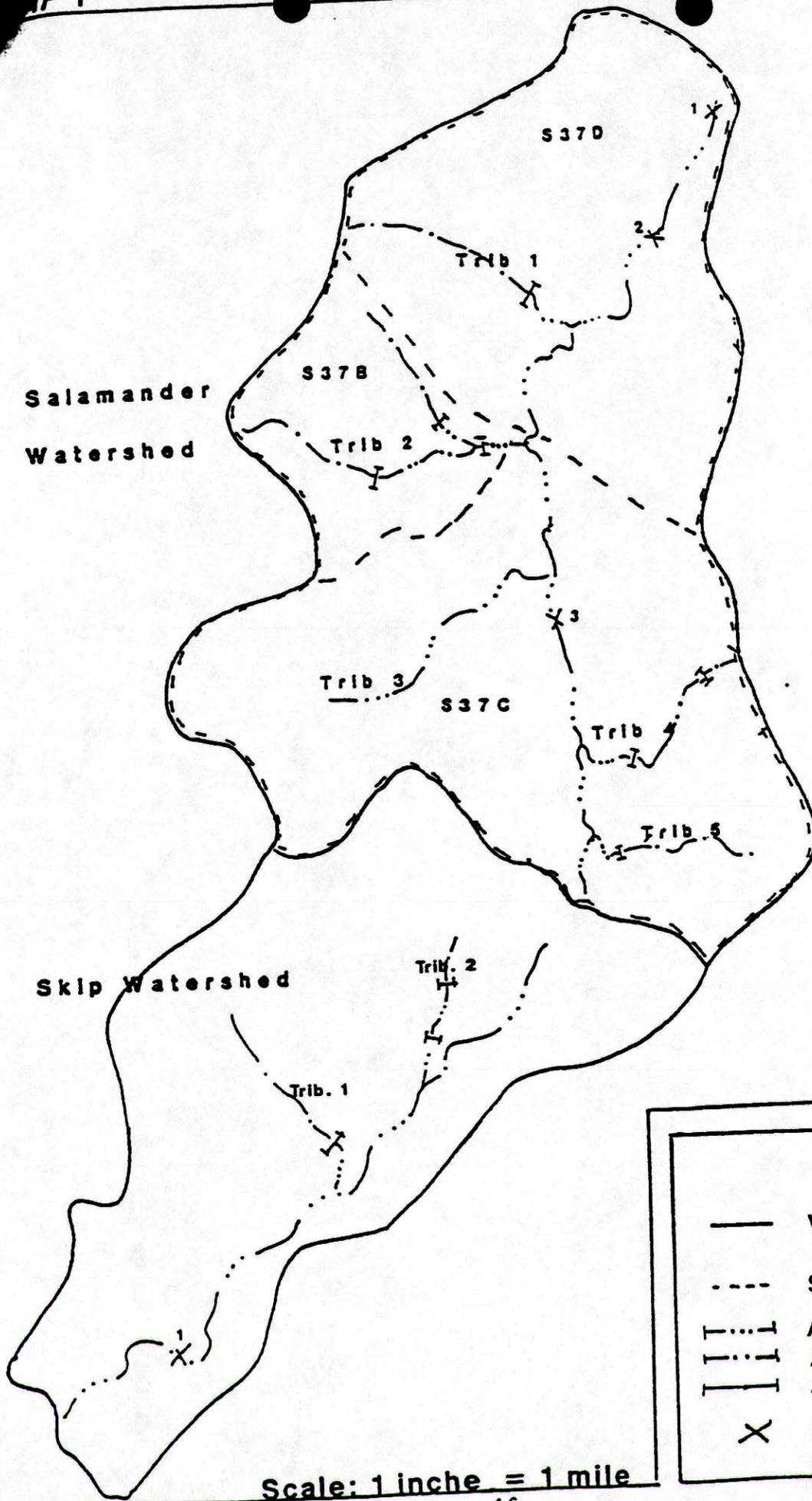
There is the potential to perform similar fish habitat manipulation in the upper Salamander Creek watershed within the proposed Twin Project Area. These sites require further examination to verify feasibility. In addition, some sites exist which could be conducive to testing another type of in-stream 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



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

Scale: 1 inch = 1 mile