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

AWC Volume (SE) SC SW W AR IN USGS Quad Juneau D4

Anadromous Water Catalog Number of Waterway 115-20-10030 Slate Creek

Name of Waterway Slate Creek USGS name ✓ Local name ___

Addition ✓ Deletion ___ Correction ___ Backup Information ___

For Office Use

Nomination # 95 238	Regional Supervisor	5/13/04 12-15-94
Revision Year: 2005		Date
Revision to: Atlas ___ Catalog ___ Both ✓		04/28/04
Revision Code: B-1	CB Drafted	10/14/04 Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
coho	6-23-94		✓		✓
	3" on surface				

IMPORTANT: Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as any other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Comments: Approximately 50 smolt were located in pools, formed by LWD and boulders. The stream flow was low, side banks were stable, and there was only a 30% canopy cover. Spawning areas have adequate water flow, and substrate is not too compacted. One channel is straight, with clear running water. The other channel was dry, but possible will flood with spring runoff. We found a dead smolt & positively identified it as a Coho

Name of Observer (please print) Denise Saigh / Joey Caterinicchio

Date: 7-11-94 Signature: Denise Saigh / Joey Caterinicchio

Address: c/o FPE/ROEN-Lochner
PO Box 34797 Juneau, AK. 99803

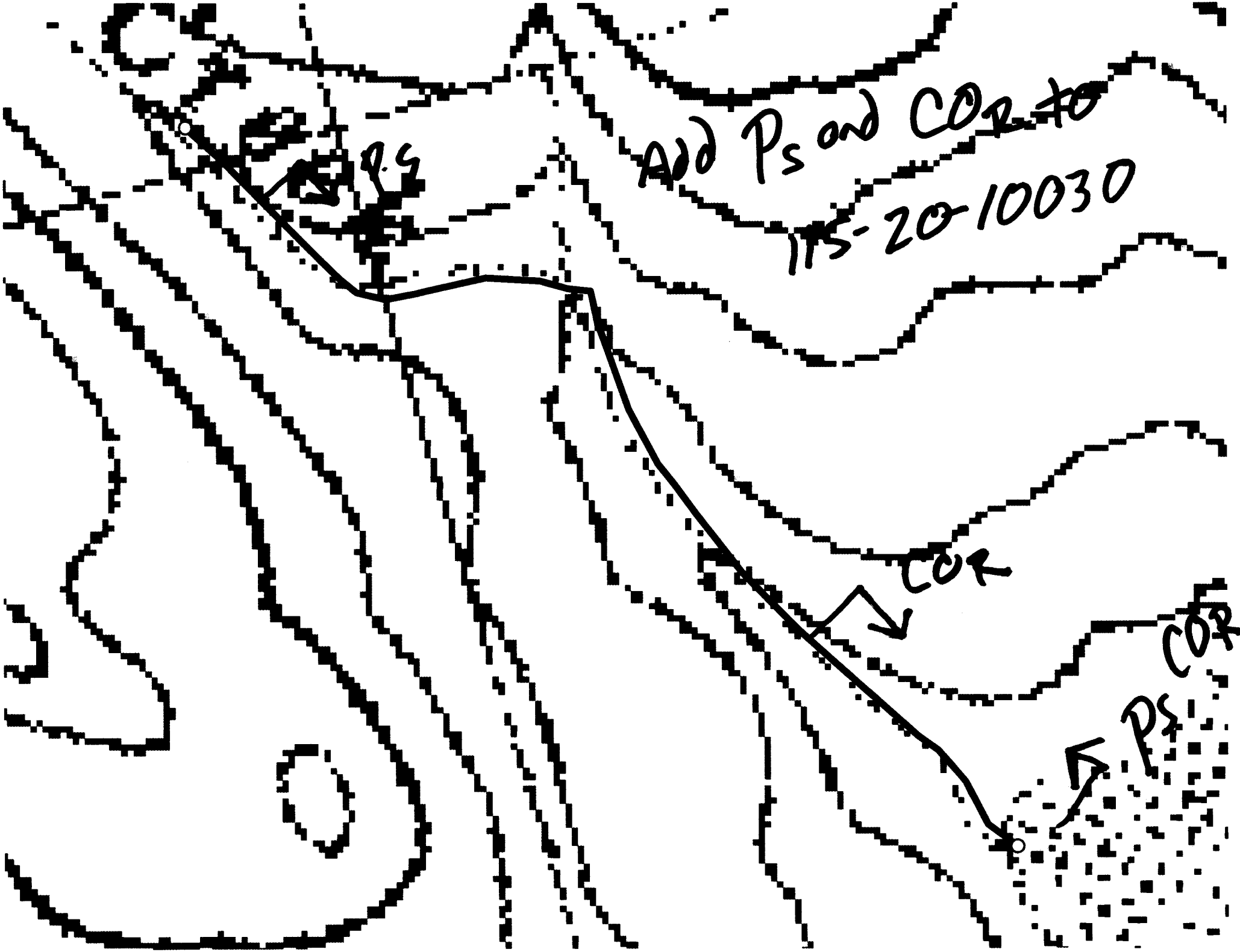
This certifies that in my best professional judgement and belief the above information is evidence that this waterbody should be included in or deleted from the Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes per AS 16.05.870.

Signature of Area Biologist: [signature]

Rev. 7/93

ALASKA DEPT. OF FISH & GAME
DEC 19 1994
REGION II
HABITAT AND RESTORATION DIVISION

Add COR and Ps to 115-20-10030


Add Ps and COR to
115-20-10030
PS
COR
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5.1.15 STREAM #14E SLATE CREEK

LOCATION: LAT N 58° 47' 26" LONG W 135° 01' 54.1" JUNEAU D4

(ADF&G) CATALOG #: 115-20-10030

SPECIES IDENTIFIED (ADF&G): Chum Salmon

This stream has been submitted to The Alaska Department of Fish and Game to be cataloged for the identification of coho and pink salmon.

DESCRIPTION OF OVERALL STREAM:

Slate Creek is located at the north east end of the cove in Berners Bay. The beginning of the access road to the Jualin Mine is also located in this cove. Earlier studies have been done on this creek, with relation to the Kengsington and Jualin mines.

The main channel of the stream originates 1,500 feet in elevation, and is contained within a palustrine floodplain. The creek has many channels. A dry stream bed parallels the main channels, and has a high probability of flooding during spring run-off. The mouth of the stream is also made up of multiple channels . The non-compacted substrate is composed of gravel, adequate for spawning and cobbles, composed of various flat shales. Forty percent of this substrate at the mouth is covered with intertidal algae. One half mile up from the mouth exists a waterfall, approximately 30 feet in height.

DESCRIPTION OF STREAM AT THE PROPOSED ROAD CROSSING:

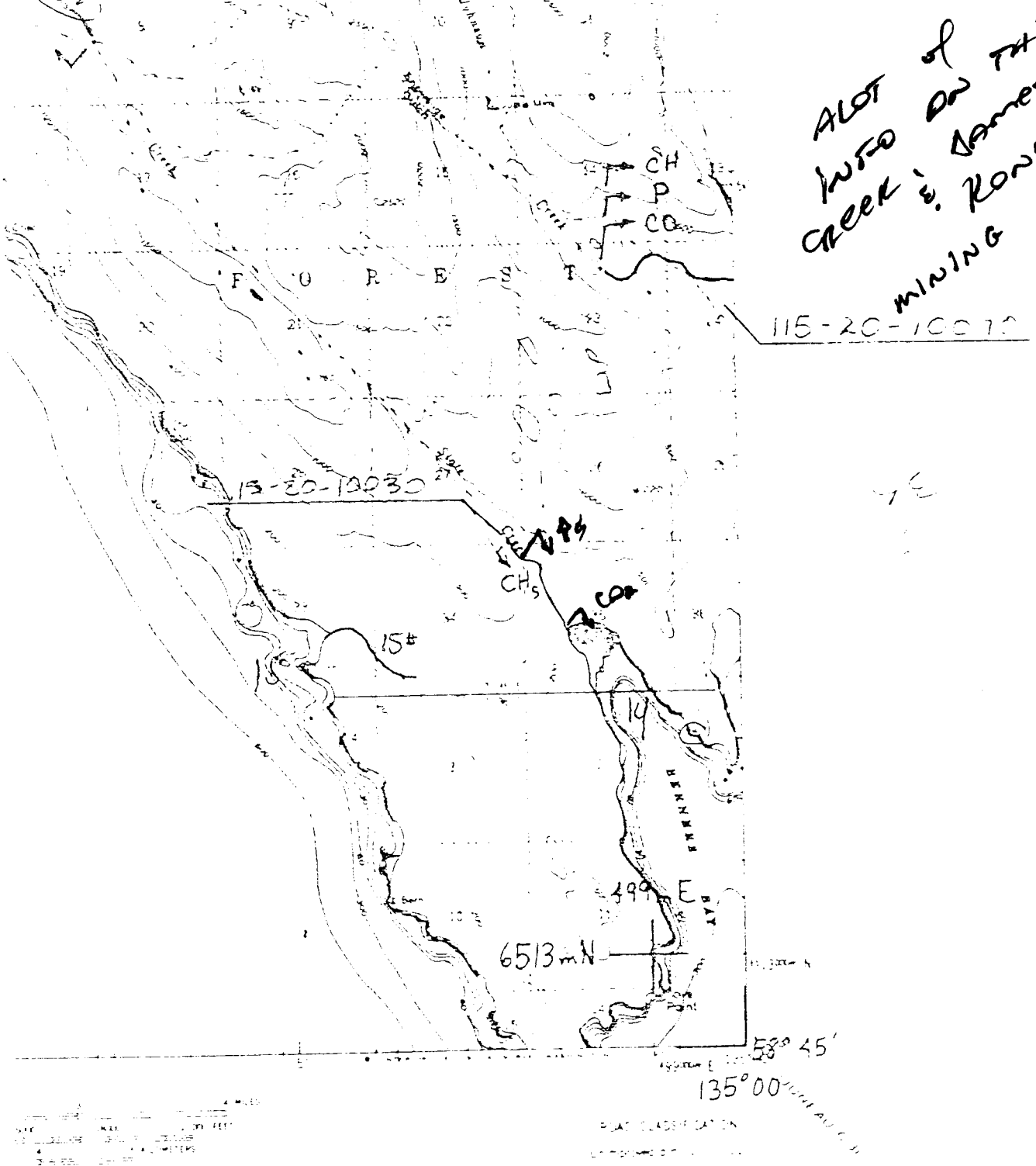
The gradient is two percent, the width is 20 feet, the depth is one foot, the water in clear and has a low velocity. The bottom strata is U shaped and is composed of the gravel and cobbles. The banks are stable and are lined with cobbles and vegetation. They range from one to two feet in height. Undercutting of the banks is observed. The predominant vegetation along the banks are, Sitka alder and spruce, cow parsnip, and devils club. The canopy coverage ranges from ten to thirty percent.

FISH OBSERVED:

Fish traps were set. Coho smolt were caught. Adult chum and pink salmon were observed spawning throughout the stream.

EVALUATION OF HABITAT TYPE: SPAWNING AND REARING: The gravel substrate and low water velocity provide adequate spawning habitat. Pools formed by LWD and boulders are present for rearing habitat. Numerous rearing coho were observed at the site of the proposed bridge crossing, and along the entire stream. A large number of chum and pink salmon were also observed spawning in the creek and in the area of the bridge crossing.

WILDLIFE OBSERVED: Five harbor seals were spotted approximately one mile from the stream, at the entrance the cove. Mature bald eagles were observed in the trees of the beach, and brown bears were observed feeding on the salmon.



ALOT of INFO ON THIS CREEK & DAMES & MOORE & KONEBECKI ENVIR. SEATTLE WA MINING DIST.

JUNEAU (D-4) ALASKA

1949

AA4 - JUNE

NAT. HYD TOP. M/

EAM CATALOG

D-4