

MEMORANDUM

State of Alaska

TO: Art Schmidt
 Sport Fish
 Sitka
 Dept. of Fish and Game

DATE: June 16, 1975

FILE NO:

TELEPHONE NO:

FROM: Donald L. Siedelman
 Sport Fish
 Ketchikan
 Dept. of Fish and Game

SUBJECT: Twelve-Mile Creek Foot Survey
 May 6, 1975

Foot surveyed Twelve-Mile Creek at head of Twelve-Mile Arm, Kasaan Bay, on May 6, 1975 to check for salmonids and to see first hand the lay of the lower stream. Stream enters just above a logging camp on Twelve-Mile Arm.

Creek is a good looking stream for pink, chum and coho salmon spawning. It has a good pool riffle ratio and excellent intertidal gravel areas. There were some small fingerling pink fry captured in a side pool along with some 3-spined stickleback. No other salmonid species were observed. I did not hook and line sample, but did note foot tracks of an angler on the stream. I doubt that there were Dolly Varden or cutthroat trout in the stream at this date.

Steelhead could frequent this stream, but again none were seen. It is possible that they could have been upstream further.

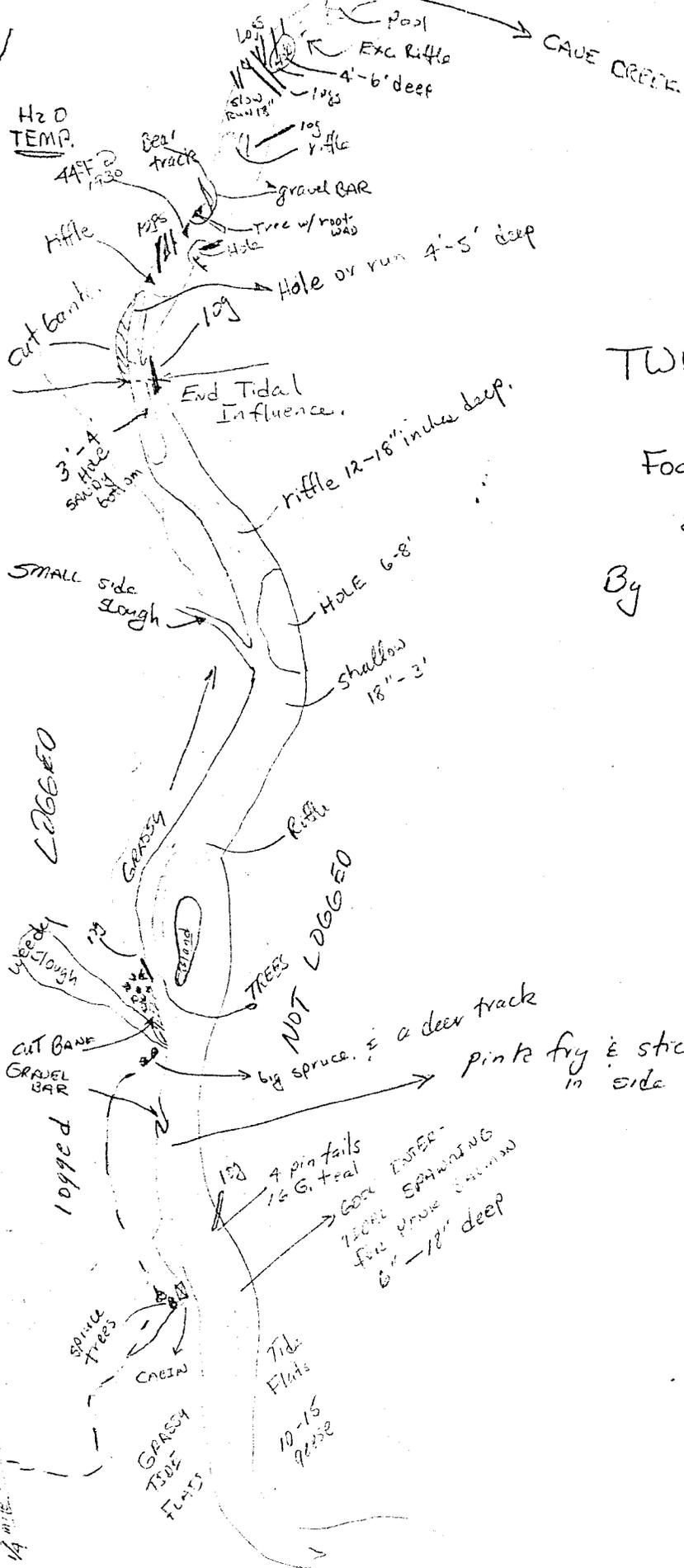
Cave Creek comes into Twelve-Mile Creek from the right. Cave Creek runs along the road for $\frac{1}{4}$ - $\frac{1}{2}$ mile. It would be a spawning and feeding stream for salmon and trout, but could have a block part way upstream. The flow from this stream is about equal to the Twelve-Mile Creek stream flow.

Bear tracks were observed as was pin tail Shoveler ducks and Canada Geese in the lower stream areas.

Stream survey covers about one - one $\frac{1}{2}$ mile of stream.

CC: Armstrong
 Novak

LOGGED ROAD TO TUCUVERO



TWELVE-MILE CREEK

Foot Survey

5-6-75

By D. L. Siedelman

big spruce & a deer track
pink fry & stickle back in side pond @ low tide

4 pin tails
15 G. teal
GOOSE
12000
full grown salmon
6"-18" deep

Down Stream

SALT WATER
100 yds

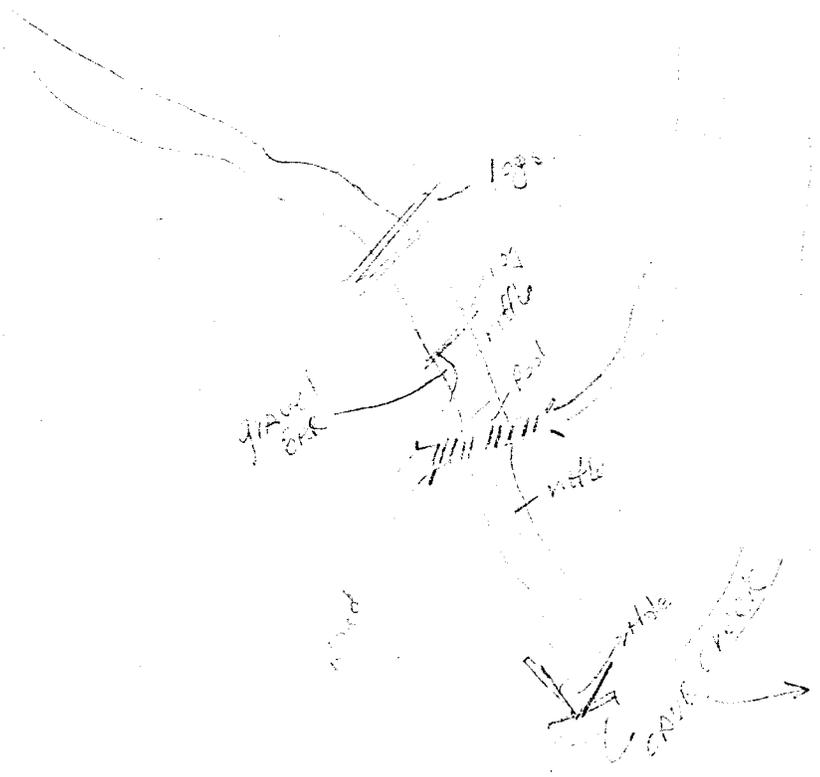
TWELVE-MILE
CREEK

FOOT SURVEY

5-6-75

By D.L. SIEGELMAN

Down Stream.



both streams about
the same flow.

113-12

55° 21. 2' N. 132° 44' W.

TWELVEMILE CREEK

K 175

Previous No. 145

ADFG 102-60-43

KETCHIKAN, CLARENCE STRAIT, KASAAN BAY, TWELVEMILE ARM, Head

MAJOR SPECIES Pink, chum OTHER SPECIES Coho, red
ESCAPEMENT TIMING Late. Sept. -Oct. ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Excellent in the upper half of the intertidal zone and in all riffle areas throughout the upstream area.
STREAM TEMPERATURES Warm range (Observed temperatures: 46°-49° F., 1952; 52° F., 9/5/53, 49° F., 9/19/53).
VALLEY DESCRIPTION Flows through a flat area with scattered patches of muskeg. The N. slope has been and is still being logged. The S. slope is heavily wooded. A few seed patches of trees have been left.
DRAINAGE 14 square miles (polar planimeter). Precipitation fed.
STREAM MOUTH IDENTIFICATION The stream enters a small bay at the head of Twelvemile Arm. Extensive grass flats are found along both stream banks in the mouth area.
ANCHORAGE For overnight anchorage the bay at Hollis may be used, or boats can tie up to the dock found there. The arm has good depth until near the upper end and suitable anchorages can be found.
TRAILS AND SURVEY ROUTES A skiff can be taken about 1 mile upstream. From this point the stream bed must be followed.
AERIAL SURVEY NOTES An easy stream for aerial survey with good light conditions.

INTERTIDAL ZONE

LENGTH 1.2 miles AVERAGE WIDTH/DEPTH 80'-100' / 16"-24"
GRADIENT AND VELOCITIES Moderate to gentle
BOTTOM Gravel
LOW TIDE LOCATION
HIGH TIDE LOCATION At the log jam.
SCHOOLING AREAS Numerous schooling areas are available throughout this zone.
SPAWNING AREAS The major spawning area is above the half-tide mark.
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE 6.5 miles AVERAGE WIDTH/DEPTH 40'-60' / 12"
GRADIENT AND VELOCITIES Moderate
BOTTOM Sand and gravel.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS None reported.
TRIBUTARIES About 1 mile upstream a small tributary enters from the left side.
SCHOOLING AREAS Several large holes between the high tide mark and the forks are utilized.
SPAWNING AREAS Spawning occurs on all riffle areas in the main stream and to a small extent in the tributary.
GENERAL NOTES A forest service and FRI cabin is found at the upper end of the intertidal zone. An extensive logging operation is being conducted here by the Campbell Logging Company.