DICK STREEPER
MIKE MOUY
ADF&G.

Date: 10-9-79

Fish Stream Survey Report

Camp KETCHIKAN

Stream Name(ID) 101-45-24

Road# 4100 CAPE FOX Station# _____ Unit# _____ RP# _____

Quad Map _____ Section _____ Chick Map _____ Section _____

Fish Present Yes _____ No X

	Yes	No
Above Road Crossing		X
Below Road Crossing		X
Within Unit Boundary		X
Below Unit Boundary		X

Species Present/Stage of Development no fish checked

Type of Fish Habitat

Salmon Spawning Area _____ sq yds Describe _____
Salmon Rearing Area _____ sq yds Describe _____
Other _____ Area _____ sq yds Describe _____

Stream Sketch or Map: Attach supplement if necessary:
see supplement.

Method(s) used to determine presence of fish:

Date	#Fish	Approx Length	Gear	Length of Time Fished

Is future fish habitat enhancement possible? Yes _____ No X
If yes Describe:

Road and Unit boundary/fish stream intersection(s)
Marked with aluminum metal tags Yes _____ No X
Fish stream(s) flagged with blue stripe tape Yes _____ No X
Stream(s) traversed-If so attach traverse notes Yes _____ No X
Additional parameter information necessary, Yes _____ No X
If so attached completed fish stream parameter
Data form

Pertinent Wildlife Information:

Comments:
see supplement

Survey Crew Members: Signature Date
Glenna Hopper Glenna Hopper 10-9-79

Report Reviewed By Jim Hamber Bio. Tech. (Fisheries) 10/15/79
Signature Title Date

Recommendations: STREAMS #1 THROUGH #4 ARE TO HAVE C.M.P. INSTALLED CONCURRENT WITH ROAD BUILDING ACTIVITIES (P.I. 412+80 THROUGH 51+30) BRIDGE SHOULD BE CONSTRUCTED CONCURRENT WITH ROAD BUILDING ACTIVITIES AT P.I. 51+30 (STR. #5) AS TO PROTECT WATER QUALITY OF THESE STREAMS

ROAD 400 CAPE FOX 10-9-79
ROAD 420

Five streams were found along the portion of road which crosses Forest Service land. No fish were shocked in any of the streams.

The first stream flows down a 30% gradient and there is marginal habitat above the road crossing. No fish passage is required, however, water quality should be maintained and the flow should remain in its original channel. PI 42+80.

The second stream, at the road crossing, has a gradient of approximate 40%. No fish were shocked and fish passage is not required. Water quality should be maintained and the main flow should remain within the original channel.

The third stream is small and appears to be intermittent. The gradient is approximately 35% and no fish were shocked. Fish passage is not required, however, water quality should be maintain

and the main flow should remain within its original channel.

The fourth stream flows down a gradient of approximately 55% at the road crossing. No fish were shocked and fish passage is not required. Water quality should be maintained and the main flow should stay within the original channel.

The fifth stream is very large, 8-10 feet wide, and is located in a large V-notch. Below the road crossing the stream cascades down a 50% gradient for approximately 100 feet to a falls 50 feet high. Above the road the gradient is approximately 15%. No fish were found and no fish passage is required. However, water quality should be maintained and a bridge will probably be necessary. The stream is located at PI 51+50.

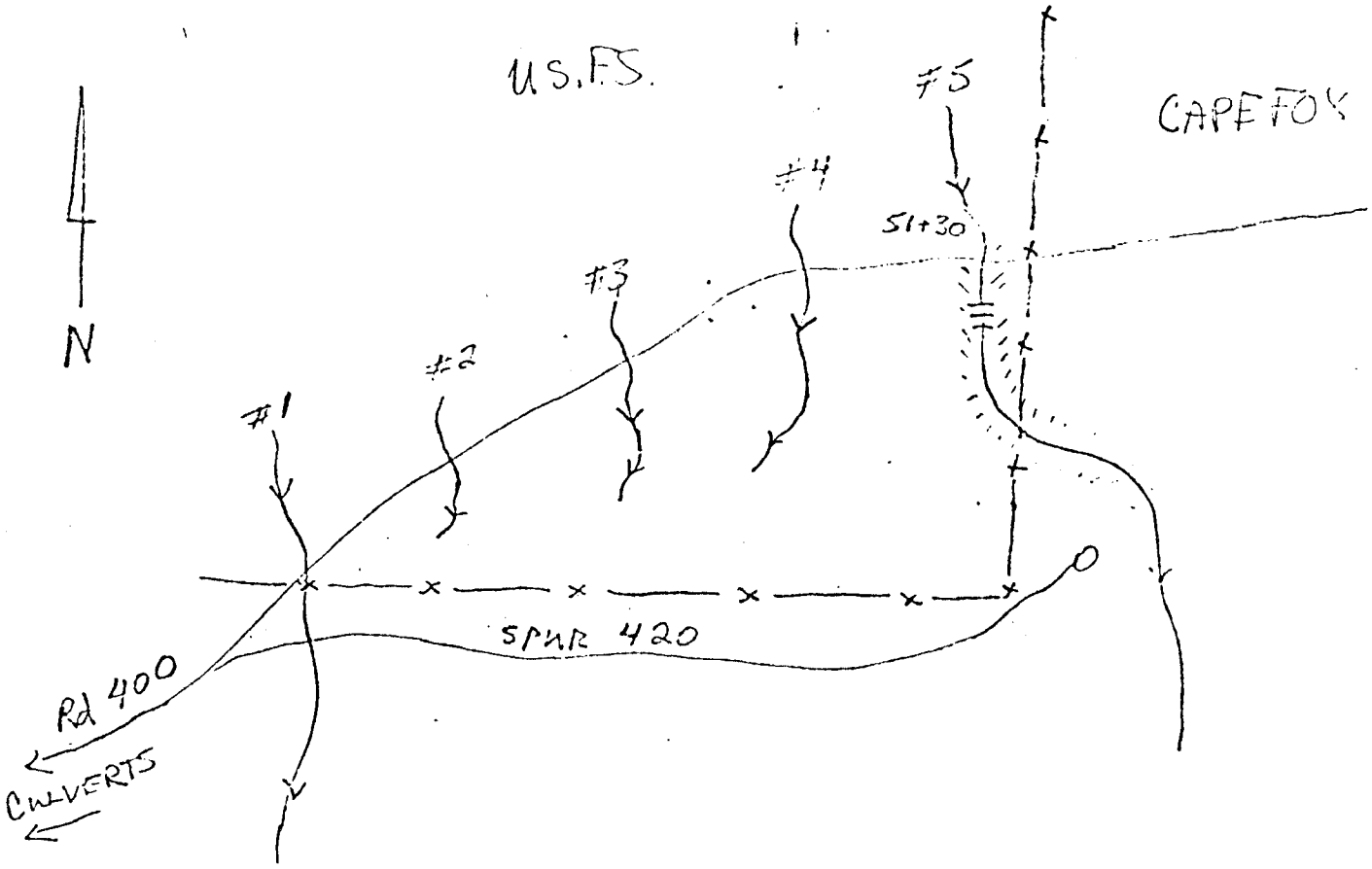
The first stream also crosses the spur road 420. The gradient

at this crossing is 10% above the road and 15% below the road. This portion of the stream is in Cape Fox land. No fish were found, either because of high water conditions or a barrier downstream. However, the habitat exists for resident populations of fish.

Comments:

Along the 400 Road, within Cape Fox land, triple log culverts have been installed. These culverts are not effective and are not passing water much less fish. This type of construction may under certain circumstances isolate fish populations under Forest Service juristiction, and irreparably damage these resources.

CAPE FOX
ROAD 400 SPUR 420



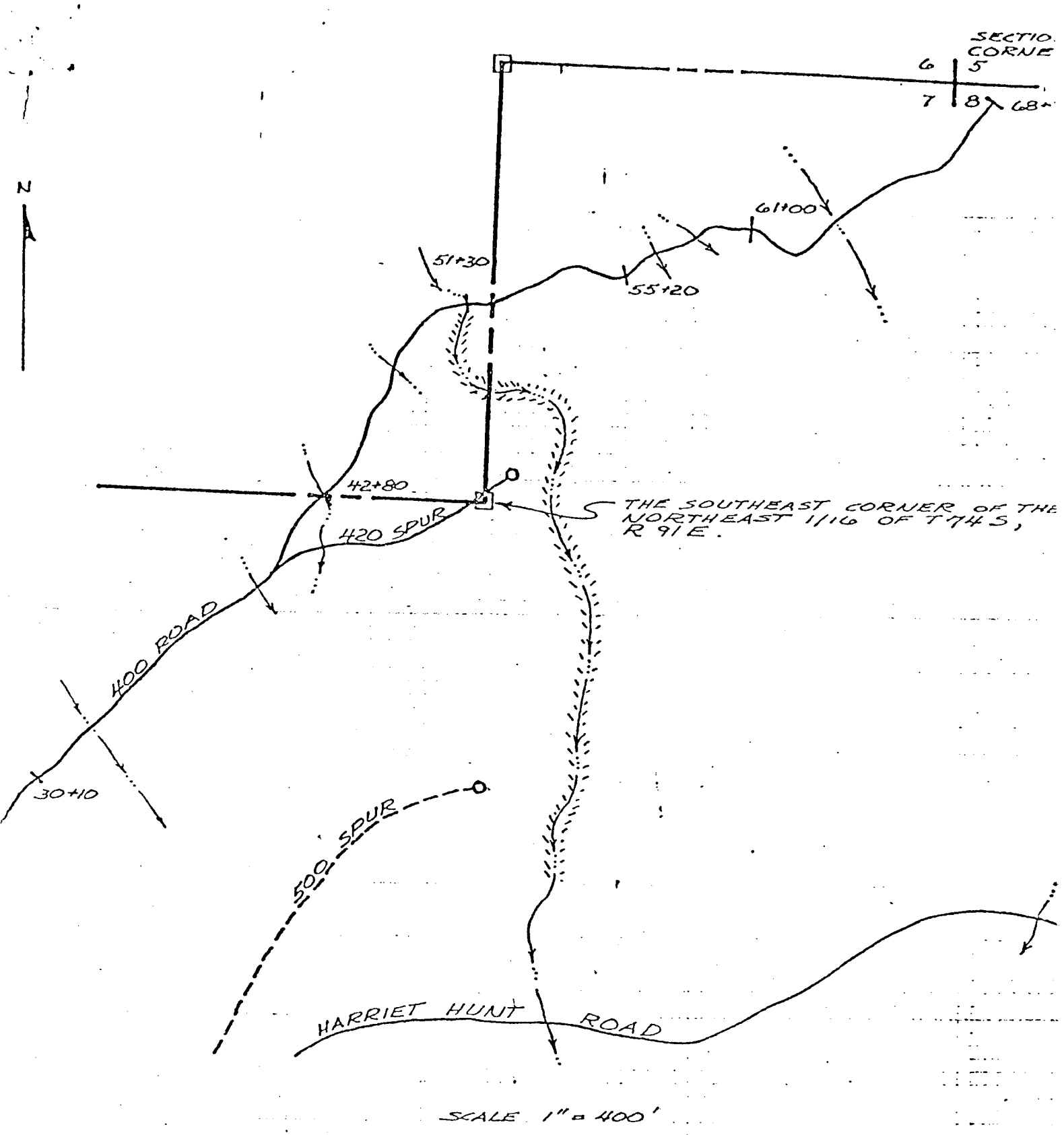


EXHIBIT 3

FOR: CAPE FOX CORP.

BY: CHARLES POOL & ASSO