C.C. Lee Brady Fish & Game
Ron Skillings

Date: 10/23/78

Supplementary Report Unit 42-1
Stream Traverse Notes

Fish Stream Survey Report

See 5-12-78 for complete details

Camp Naukati / North Sarkar

Stream Name(ID) 103-70-007

Road# 5600-5659 Station# _____ Unit# 42-1 RP# _____

Quad Map Vol. A-4 Section 6 Chick Map _____ Section _____

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

Species Present/Stage of Development Coho Adults, Fry
Cutthroat, Dolly Varden

Type of Fish Habitat

Salmon Spawning Area X 10,000 sq yds Describe Excellent
Salmon Rearing Area X 20,000 sq yds Describe Excellent
Other X Area 36,000 sq yds Describe Excellent
Cutthroat, Dolly Varden

Stream Sketch or Map: Attach supplement if necessary:

See Maps for changes in Road-Stream locations and extended fish habitat areas due to high water levels.

Method(s) used to determine presence of fish:

Date	#Fish	Approx Length	Gear	Length of Time Fished	St.#
10/17/78	4-Coho	Adult	VISUAL		1

In 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 X Near Str. Mouth No _____

Fish stream(s) flagged with blue stripe tape Yes X No _____

Stream(s) traversed-If so attach traverse notes Yes X No _____

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

Jim Gruber

Jim McCullough

Jim McCullough 10/23/78

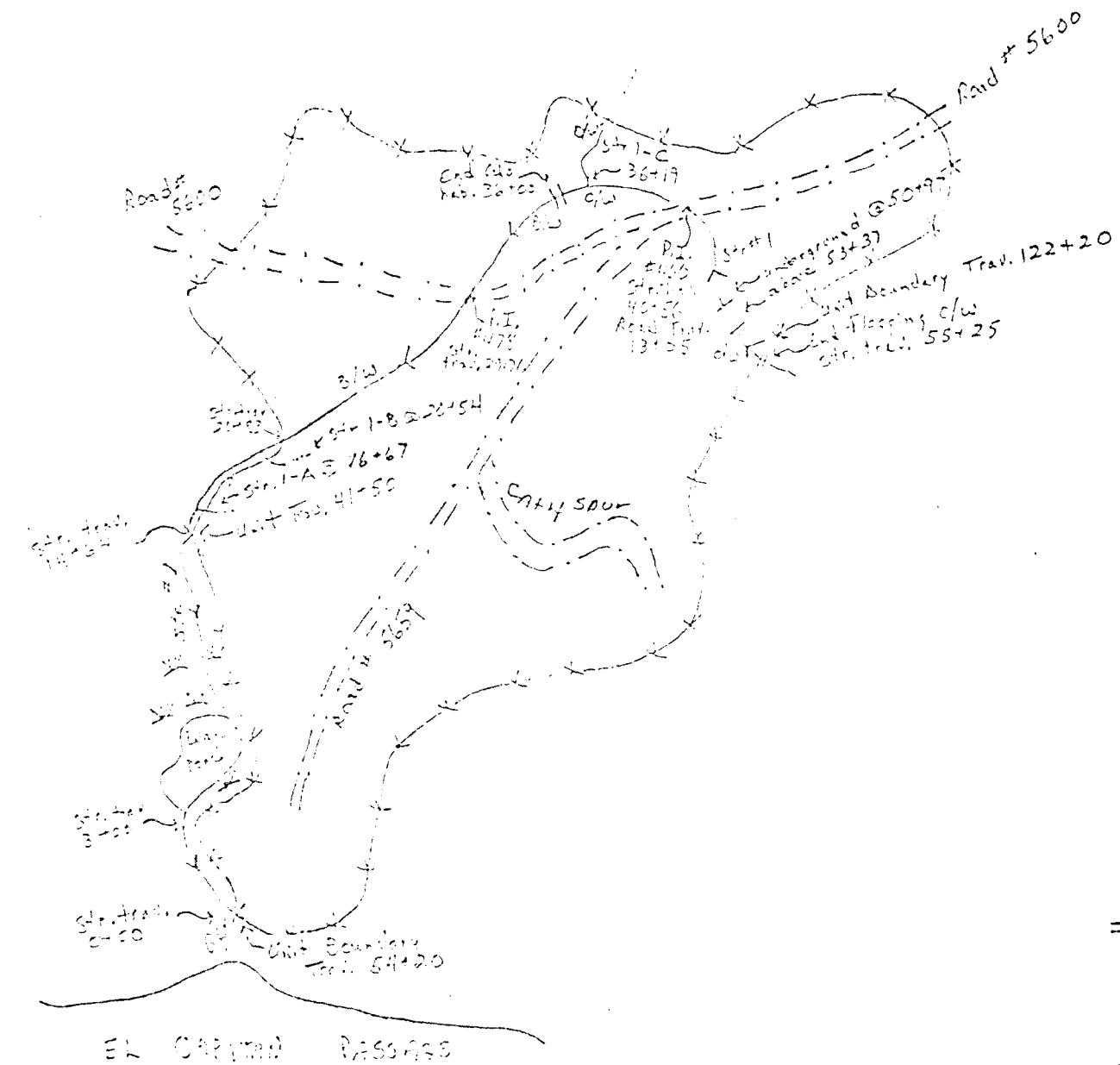
Report Reviewed By Michael E Davis Forester 10-23-78
Signature Title Date

Recommendations:

Incorporate updated traverse. Fish passage required concurrent with rocking activities PI 478 and PI 460. Directional falling, yarding away or full suspension over and 48 hour cleanup of all logging/rehabilitating debris required for B&W flagged portions of stream #1. Directional fall any yard away or suspend over O&W portions of stream #1 whenever possible. Use operations to avoid spawning fish in stream. Chunk clean O&W portions of stream #1 - See 5-12-78 report for complete detailed [illegible]

Nawkati

Unit #2-1
149.9 AC
Stream # 103-70-007



Legend

Unit Boundary
Stream
Muskeg
Road

Scale: 1 Inch = 400 feet

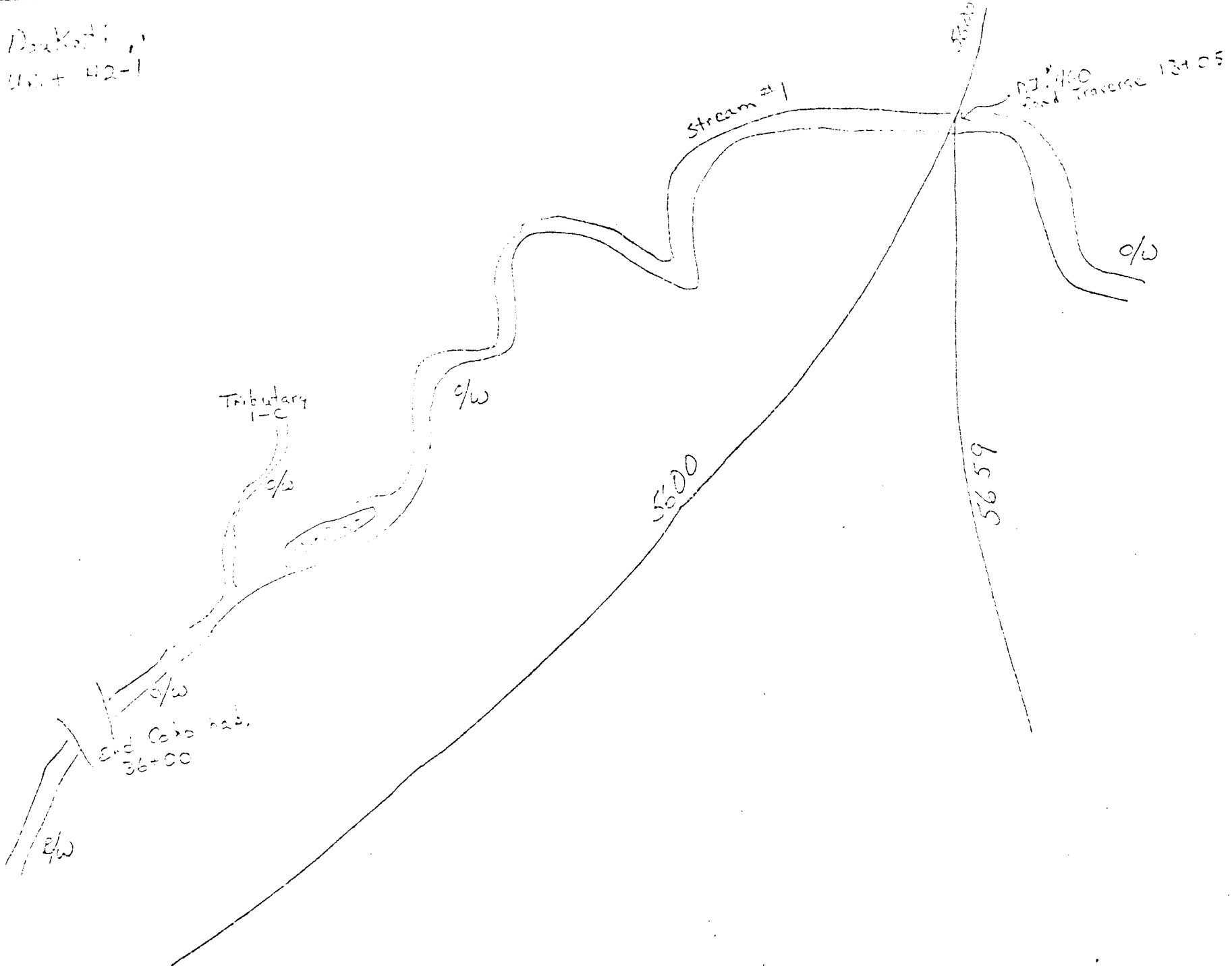
103-20-00

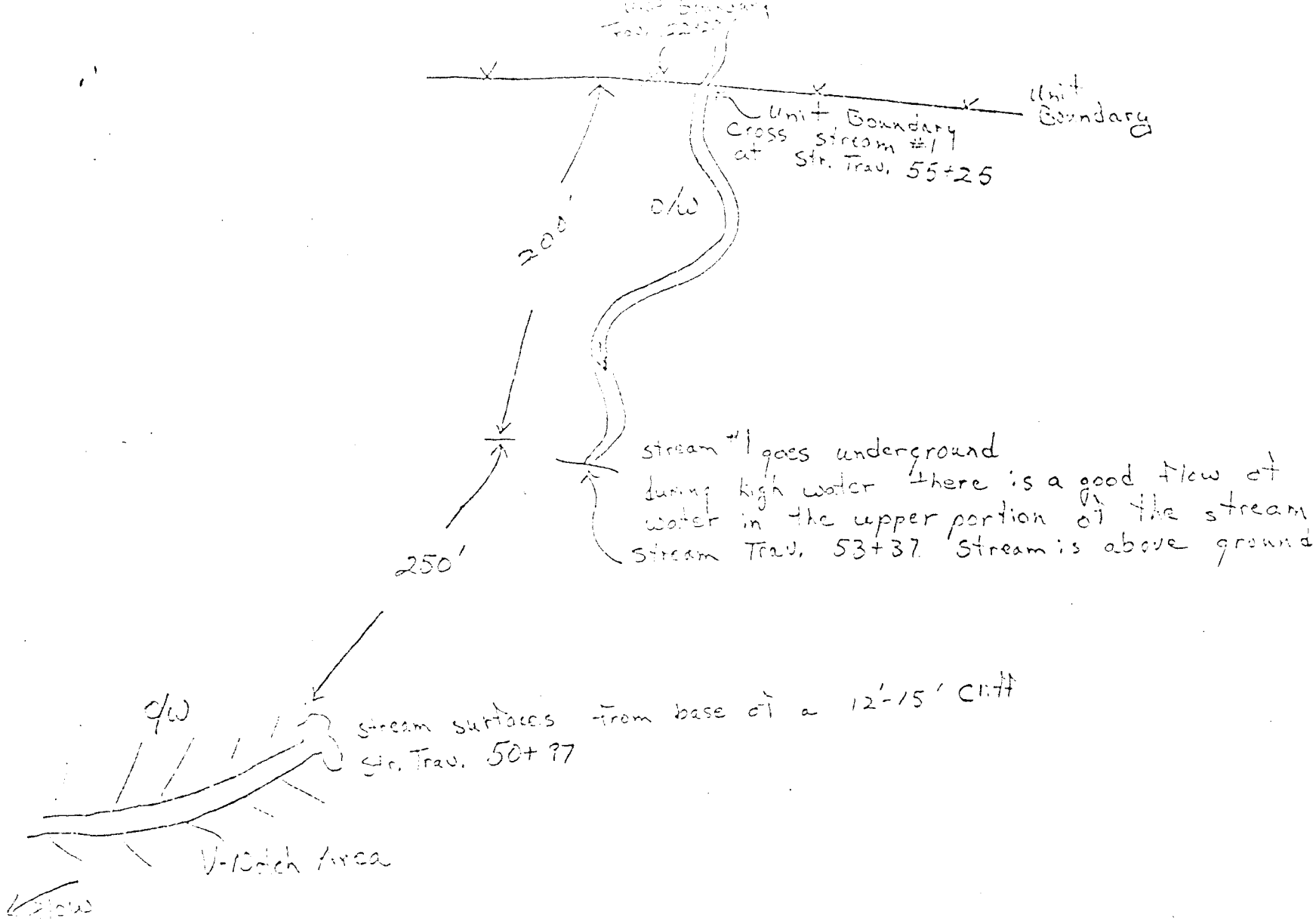
NAUKATI
10/17/78
UNIT 42-1 (SUPPLEMENTAL SURVEY)

STREAM # 1

THIS STREAM WAS SURVEYED PREVIOUSLY (103-70-007) HOWEVER, THE SUPPLEMENTAL SURVEY WAS MADE DURING HIGHER FLOW LEVELS AND RESIDENT HABITAT WAS FOUND TO EXTEND APPROX. 200' FURTHER (BEGINNING STATION 53+37 WHERE STREAM RE-EMERGES FROM GROUND TO STATION 55+25 WHERE STREAM CROSSES UNIT BOUNDARY.) Orange/White flagging was extended along the stream to include the extended habitat found during high water

Dakota
Unit 42-1




Unit Boundary
Unit Boundary
Cross stream #1 at Str. Trav. 55+25
200'
o/w
stream #1 goes underground during high water there is a good flow of water in the upper portion of the stream
Stream Trav. 53+37 Stream is above ground
250'
o/w
stream surfaces from base of a 12'-15' cliff
Str. Trav. 50+97
V-Ditch Area
Flow

cc Len Brady
Ron Skillings
Fish & Game
Keith Perish - YACC

Date: 10/23/78

Fish Stream Survey Report

Camp [illegible]

Stream Name(ID) 103-90-020

Road# 5612 Station# 5000 Ft. to 42-15 Unit Unit# _____ RP# _____

Quad Map Craig D-4 Section 5 Chick Map _____ Section _____

Fish Present	Yes	No
Above Road Crossing	X	
Below Road Crossing	X	
Within Unit Boundary	—	
Below Unit Boundary	—	

Species Present/Stage of Development Coho Fry

Dolly Varden

Type of Fish Habitat

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

Stream Sketch or Map: Attach supplement if necessary:
Dolly Varden

See supplement for maps and stream descriptions

Method(s) used to determine presence of fish:

Str#	Date	#Fish	Approx Length	Gear	Length of Time Fished
1	10/18/78	2 Coho	3½"	Shocked	15 min.
		3 Dolly Varden	3"	↓	
		1 Dolly Varden	5½"		
2	10/18/78	5 Coho	2½"	Shocked	15 min
		1 Dolly Varden	1½"		
4	10/18/78	2 Coho	3½" & 4"	Shocked	15 min.
		4 Dolly Varden	2" to 3½"		
5	10/18/78	1 Dolly Varden	4½"		

Is future fish habitat enhancement possible? Yes X No ____

If yes Describe:

Stream #1 needs some clean up work to remove slash and other logging debris from the road crossing to the beaver ponds. Possible YACC Project?

Road and ~~the boundary~~/fish stream intersection(s)
Marked with aluminum metal tags Yes X No ____
Fish stream(s) flagged with blue stripe tape or o/w Yes X No ____
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

All fish streams are flagged and tagged on the ground

Pertinent Wildlife Information:

Observed sign of bear, deer, beaver and eagle perch trees along the main beaver ponds.

Comments:

Due to high water levels some of the upper portions of tributaries 4 & 5 may not support fish during low water conditions.

Survey Crew Members:	Signature	Date
Jim Gruber		
Jim McCullough		10/25/88

Report Reviewed By [signature] Forester 10-28-88
Signature Title Date

Recommendations:

See attached pages

NAUKATI
10/18/78
ROAD 5612 (UNIT 42-15)

STREAM #1 (STATION 16+88 OF ROAD TRAVERSE)

THIS STREAM IS APPROX. 2' to 4' WIDE, SOME 10" TO 12" DEEP WITH A SAND/GRAVEL/DEBRIS SUBSTRATE. 2 COHO (3½") AND 3 DOLLY VARDEN (3") WERE SHOCKED BELOW ROAD CROSSING AND 1 DOLLY VARDEN (3½") ABOVE ROAD CROSSING. STREAM WAS FLAGGED BLUE/WHITE 200' BELOW ROAD CROSSING AND FLAGGED ORANGE/WHITE 150' ABOVE ROAD CROSSING. GRADIENT ABOVE ROAD CROSSING APPROACHES 12%. STREAM WAS THROUGH AT ROAD CROSSING.

THIS STREAM FLOWS THROUGH AN OLD CLEARCUT AND IS COMPLETELY BURIED BY SLASH AND OTHER LOGGING DEBRIS. APPROX. 150' TO 200' BELOW ROAD CROSSING (5612) THIS STREAM ENTERS LARGE BEAVER POND COMPLEX.

RECOMMEND INSTALLATION OF FISH PASSAGE CONSIDERATE WITH ROAD BUILDING AND CLEAN-UP OF SLASH AND OTHER LOGGING DEBRIS FROM STREAM CHANNEL BOUNDARIES TO REMOVE POND COMPLEX. (APPROX. 200').

STREAM #2 (STATION 22+99 OF ROAD TRAVERSE)

THIS STREAM IS APPROX. 15' TO 20' WIDE, SOME 4' TO 6' DEEP WITH A ROCK/GRAVEL/SAND SUBSTRATE. THIS STREAM IS A CATALOGED FISH STREAM # 103-90-020. 3 COHO (2½") AND 1 DOLLY VARDEN WERE SHOCKED AT THE ROAD CROSSING. THE STREAM WAS FLAGGED BLUE/WHITE 150' ABOVE AND BELOW ROAD CROSSING AND TAGGED AT ROAD CROSSING.

STREAM #2 (# 103-90-020) PROVIDES EXCELLENT SALMON SPAWNING AND REARING HABITATS.

RECOMMEND INSTALLATION OF FISH PASSAGE CONCURRENT WITH ROAD BUILDING. & removal of road building slash & debris within 100' of deposit

STREAM #3 (STATION 26+50 OF ROAD TRAVERSE)

THIS STREAM IS APPROX. 1' TO 2' WIDE, SOME 4" TO 8" DEEP WITH A MUD/SAND SUBSTRATE. NO FISH WERE SHOCKED AND STREAM WAS NEITHER FLAGGED OR TAGGED, HOWEVER THE STREAM ENTERS COHO REARING/SPAWNING EST. 50' DOWNSTREAM OF ROAD CROSSING.

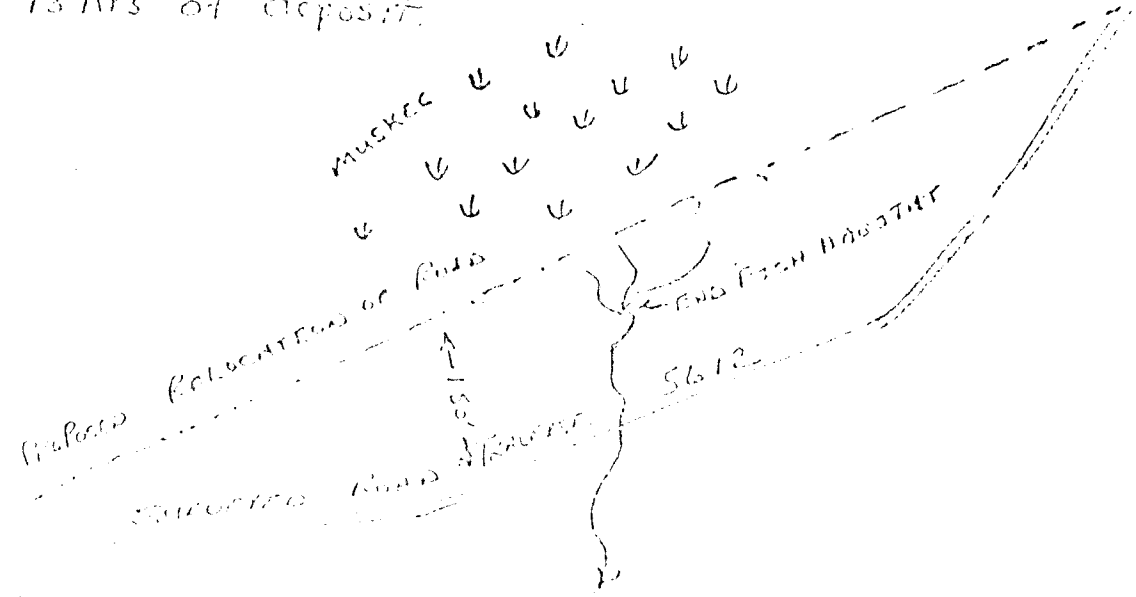
RECOMMEND INSTALLATION OF CULVERT CONCURRENT WITH ROAD BUILDING TO PROTECT WATER QUALITY.

STREAM #9. (STATION 29+19 OF ROAD TRAVERSE)

THIS STREAM IS APPROX. 3' TO 4' WIDE AND SOME 8" TO 10" DEEP WITH A MUD / SAND SUBSTRATE. 2 COHO (3½" & 4") AND 4 DOLLY VARDEN (2" TO 3½") WERE SHOCKED ABOVE AND BELOW ROAD CROSSING. STREAM WAS FLAGGED BLUE / WHITE ABOVE ROAD CROSSING TO JUNCTION OF 3 TRIB.'S (APPROX. 75') THESE TRIB.'S FOLM FOR BARRIERS AT JUNCTION. STREAM WAS FLAGGED BLUE / WHITE 150' BELOW ROAD CROSSING AND TAGGED AT ROAD CROSSING.

RECOMMEND THAT IF AT ALL FEASIBLE RELOCATION OF ROAD ABOVE JUNCTION OF 3 TRIB.'S (APPROX. 100' TO 200') BE MADE.

IF NOT FEASIBLE, RECOMMEND PLACEMENT OF FISH PASSAGE CONCURRENT WITH ROAD BUILDING; Removal of road building slash and debris within 48 hrs of deposit.

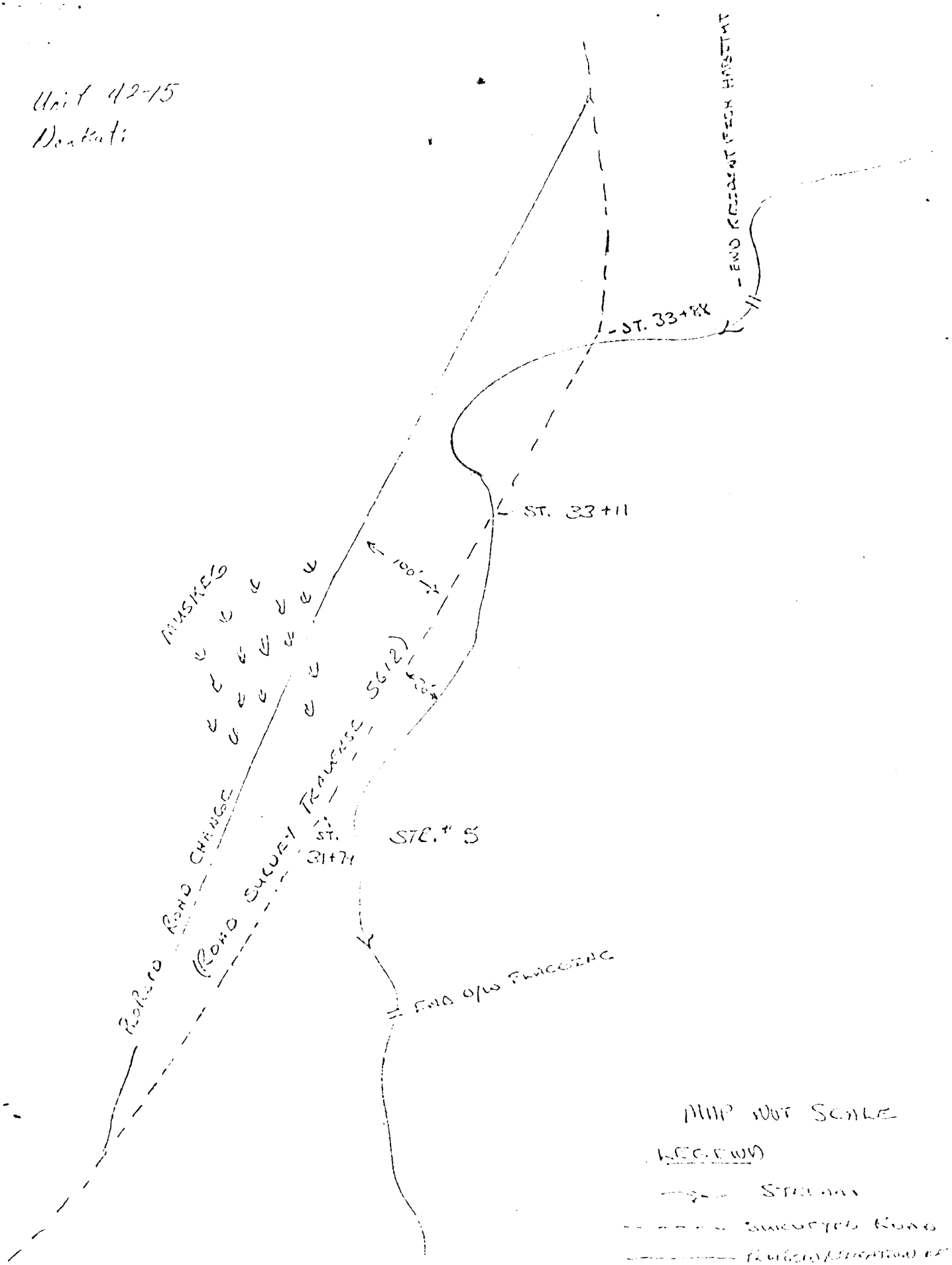
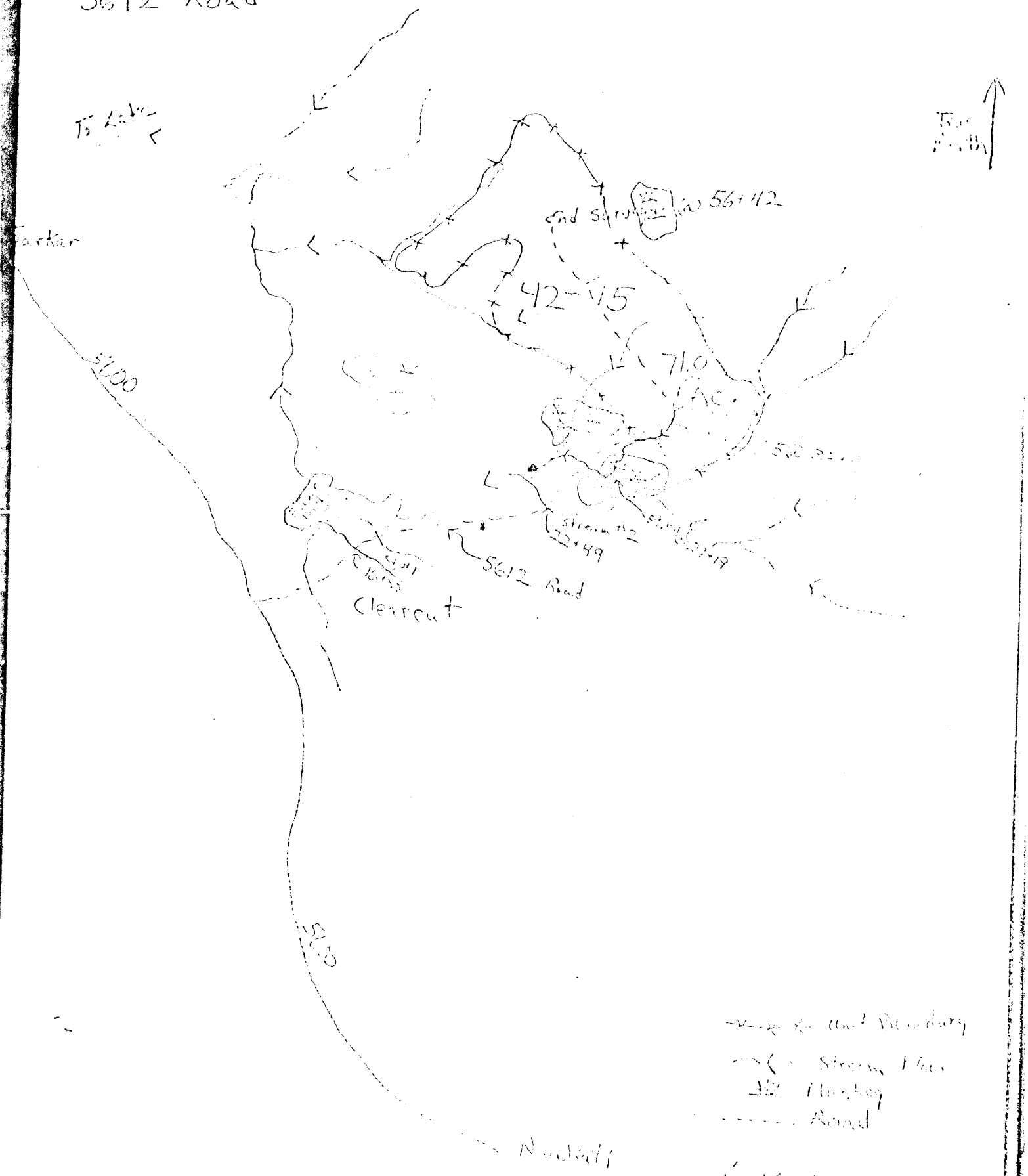


STREAM #5 (STATION 33+11 OF ROAD TRAVERSE)

THIS STREAM IS APPROX. 3' TO 4' WIDE AND SOME 6" TO 12" DEEP WITH A MUD / SAND SUBSTRATE. 1 DOLLY VARDEN (4½") WAS SHOCKED ABOVE 1ST ROAD CROSSING (STATION 33+11). STREAM WAS FLAGGED ORANGE / WHITE ABOVE 1ST ROAD CROSSING TO END OF HABITAT (APPROX. 100') AND APPROX. 200' BELOW 1ST ROAD CROSSING. STREAM WAS TAGGED AT 1ST ROAD CROSSING. ROAD #5612 IS WITHIN 20' OF STREAM #5 FROM STATION 31+74 TO 1ST ROAD CROSSING (STATION 33+11). ROAD THEN RECROSSES STREAM AT STATION 33+88.

RECOMMEND RELOCATION OF ROAD 100' NORTHWEST OF PRESENT LOCATION AS TO ELIMINATE STREAM CROSSINGS AND PROXIMITY OF ROAD TO STREAM TO PROTECT HABITAT AND THE WATER QUALITY. THIS STREAM BECOMES COHO HABITAT SOME 100' TO 500' BELOW 1ST ROAD CROSSING.

Unit 42-15
Dakota



Unit 42-15
71.0 Ac.
5612 Road