cc Fred Zeigler
Mark VanTassel
Kim Turley
F&G

Date: 4/30/79

103-90-30

Culvert

Fish ~~Stream~~ Survey Report

43 KLM. & 45 KLM OF THORNE BAY ROAD. 5500

Camp Halfway House

Stream Name(ID) Streams #1 & 2

Road# 5500 (43/45K) Station# _____ Unit# _____ RP# _____

Quad Map _____ Section _____ Chick Map _____ Section _____

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

Species Present/Stage of Development Cutthroat & D.V. fry & Adults

Type of Fish Habitat

Salmon Spawning Area _____ sq yds Describe _____
Salmon Rearing Area _____ sq yds Describe _____
Other X Area _____ sq yds Describe _____
D.V., Cut. spawning & rearing

Stream Sketch or Map: Attach supplement if necessary:

See attached supplements.

Method(s) used to determine presence of fish:

Stream#	Date	#Fish	Approx Length	Gear	Length of Time Fished
1	4/25	2 D.V.	2½, 3"	Shocked	10 min.
1	4/26	2 Cut	1½, 3½"	Traps	24 hrs.
2	4/25	6 D.V.	2", 3", 3", 4", 5" & 5"	Shocked	10 min.

Is future fish habitat enhancement possible? Yes X No ___

If yes Describe:

Stream #1 30" falls below rd. from culvert is barrier to fish passage. If fish passing pipe not possible, gabion may be necessary. for pool

Road and Unit boundary/fish stream intersection(s) Marked with aluminum metal tags — Yes ___ No X

Fish stream(s) flagged with ~~blue~~ orange stripe tape — Yes X No ___

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

Additional parameter information necessary, If so attached completed fish stream parameter Data form — Yes ___ No X

Pertinent Wildlife Information: Beaver activity below road crossing on Str. #1. Deer sign above road crossing on Str. #2.

Comments: Str. #1 has some blowdown below road. Photographs were taken of culvert & falls.

Survey Crew Members:	Signature	Date
ROD COREY	Rod Corey	4-30-79
JIM GRUBER	James D. Gruber	4-30-79

Report Reviewed By Mike Navy (Signature) Forester (Title) 4-30-79 (Date)

Recommendations: See Attached Sheets

Stream 1 (2 CUTTHROAT, 1½" & 3½" TRAPPED & 2 D.U., 2½" & 3" SHOCKED) ABOVE & BELOW ROAD.

This stream is 4'-5' wide 1' to 3' deep. There is a 30" drop from pipe below road crossing and at a high flow would be a velocity barrier. (dia of pipe 48".) Flagged O/W 100 above and below road. Sand, gravel, & rock substrate. Culvert does not pass fish.

Stream 2 6 D.U. 2", 3", 3", 4", 5", 5" WERE SHOCKED ABOVE & BELOW ROAD.

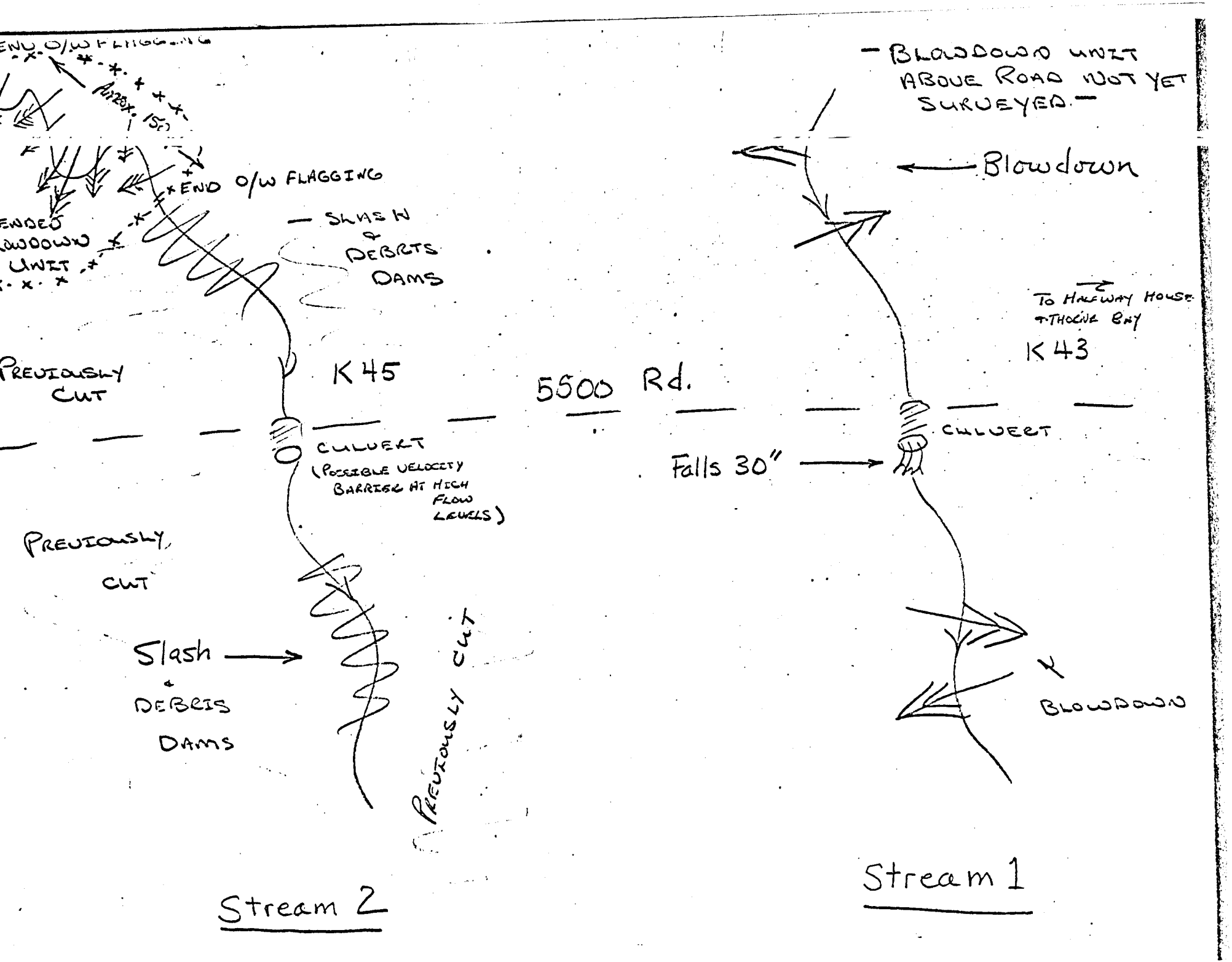
This stream is 4'-5' wide 12"-15" deep. Possible velocity barrier due to 12" drop from pipe. (pipe has 36" diameter.) Flagged O/W in below-town unit, approx. 200 yds. above road crossing. Sand, gravel, & rock substrat. (Culvert may cause velocity barrier at high flows.)

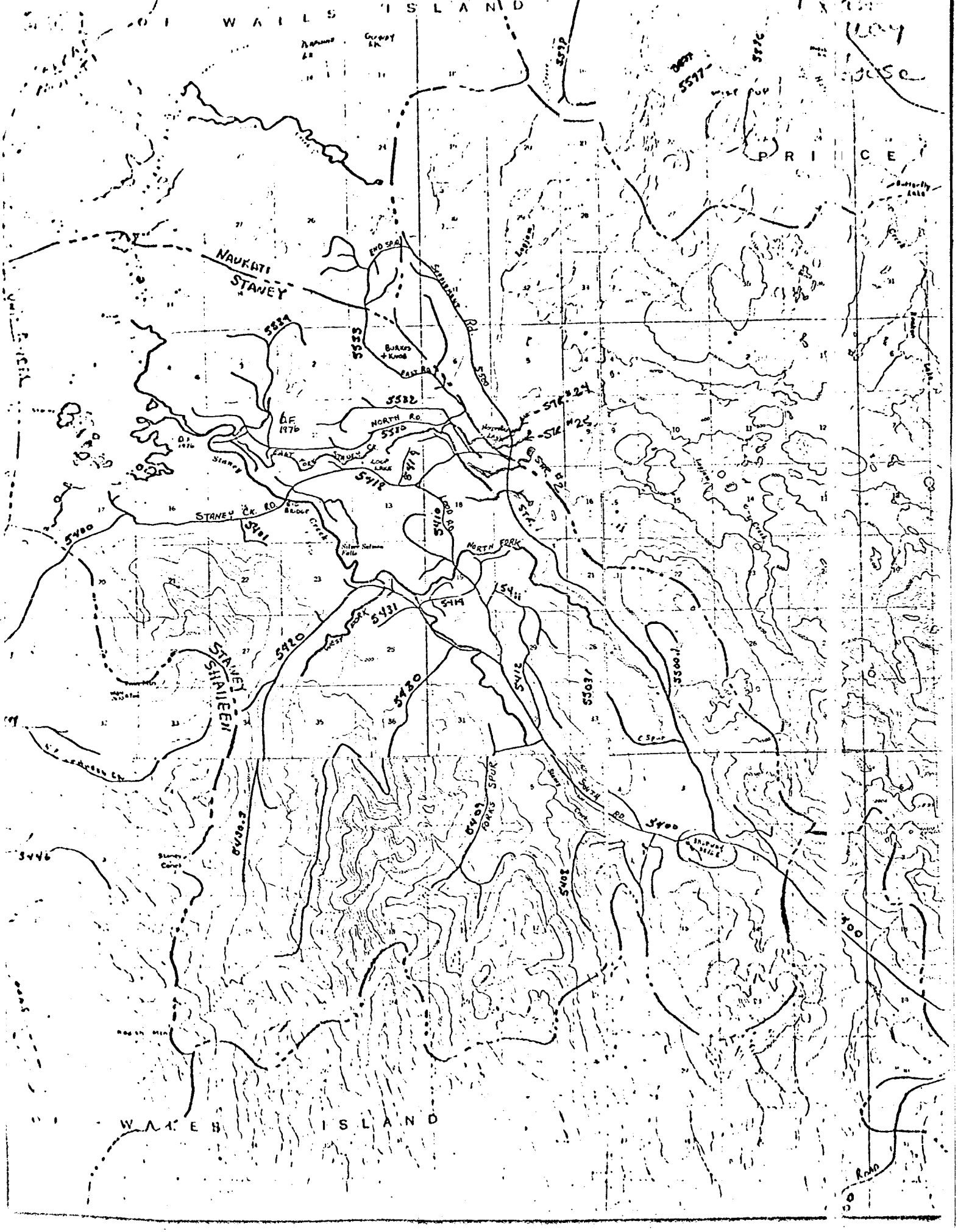
RECOMMENDATIONS:

1.) STREAM #1; IF FISH PASSING CULVERT NOT FEASIBLE, A GABION &/OR POOL MAY FEASIBLY BE CONSTRUCTED TO PERMIT FISH PASSAGE

2.) STR. #2; REMOVAL OF SLASH & DEBRIS DAMS FOR 100 yd ABOVE & BELOW ROAD CROSSING WOULD BENEFIT HABITAT.

3.) STR #2; CHUNK CLEANING OF LOGGING DEBRIS BLOWDOWN OCCURS WHEN LOGGING ACTIVITY ENDS IN AREA FLAGGED WITH ORANGE/WHITE FLAGGING.


END O/W FLAGGING
END O/W FLAGGING
SLASH & DEBRIS DAMS
PREVIOUSLY CUT
K45
5500 Rd.
CULVERT (POSSIBLE VELOCITY BARRIER AT HIGH FLOW LEVELS)
PREVIOUSLY CUT
Slash & DEBRIS DAMS
PREVIOUSLY CUT
Stream 2
BLOWDOWN UNIT ABOVE ROAD NOT YET SURVEYED
Blowdown
TO HALFWAY HOUSE & THOCKINE BAY
K43
CULVERT
Falls 30"
BLOWDOWN
Stream 1


WALES ISLAND
PRINCE
NAUKATI
STANEY
END SPUR
Burkes + Knob
EAST RD
NORTH RD
EAST FORK STANEY CK
LOOP LAKE
STANEY CK. RD
Stanley Creek
Silver Salmon Falls
NORTH FORK
WEST FORK
STANEY SHAHEEN
FORKS SPUR
SOUTH RD
WALES ISLAND
5400
5401
5410
5411
5412
5414
5418
5419
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5431
5532
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5534
5500
5500.1
5503.1
5408
5409
5430.3
5446
5597
5598
5599
STR #24
STR #25
STR #2
STR #1
ROAD