CC Ken [illegible]
Mike Pease
Fish and Game

Date: 5-3-79

Fish Stream Survey Report

103-90-025

Stream Name(ID) YATUK (LOWER)

Camp NAUKATI

Road# 5606 Station# _____ Unit# 45-5 RP# _____

Quad Map CRAIG D-4 Section _____ Chick Map 38 of 55 Section _____

Fish Present Yes X No _____

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

Species Present/Stage of Development SOCKEYE FRY, COHO FRY AND SMOLTS, CHUM FRY, PINK FRY

Type of Fish Habitat

Salmon Spawning Area X sq yds Describe 90-95%
Salmon Rearing Area X sq yds Describe _____
Other Trout Area _____ sq yds Describe _____

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

Method(s) used to determine presence of fish:

Yatuk Cr Date	#Fish	Approx Length	Gear	Length of Time Fished
5-3-79	(2) SOCKEYE	1.5 inches	SHOCKER	30 min.
	(25-50) COHO	2-3 inches		
	(30) COHO SMOLTS	6.0 inches		
	(3) SOCKEYE	1.0 inches		
	(7) COHO	1.0 inches		
	(2) CHUM	1.5 inches		
	(25) PINKS	1.0 inches	(Redd)	

Is future fish habitat enhancement possible? Yes X No ____

If yes Describe:

BLOWDOWN SHOULD BE REMOVED AS SOON AS POSSIBLE TO MINIMIZE IMPACT ON EMERGING FRY AND SMOLT POPULATIONS. THIS SHOULD BE DONE BY CAMPBELL LOGGING CO. OR A YACC CREW. BECAUSE OF THE HIGH FISH PRODUCTIVITY AND SPECIES DIVERSITY THIS SHOULD BE CONSIDERED TOP PRIORITY.

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 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:

DEER SIGN
MINK & MARTEN SIGN

Comments:

See supplement

Survey Crew Members:	Signature	Date
JIM McCULLOUGH	Jim McCullough	5/4/79
GLENNA HOPPER	Glenna Hopper	5-4-79

Report Reviewed By Mike Navy (Signature) Forester (Title) 5-11-79 (Date)

Recommendations: See attached sheets. Blowdown west of Unit 45-5 along and in Yatuck Creek may or may not be economically feasible to log. Effort should be made to include this in ongoing blowdown salvage. M. Pease may have to use force account crews to accomplish clean up. Trib A, A1 & A2 should be chunk cleaned concurrent with yarding of area west of 45-5 is logged. Crews are available to mark blowdown to remain in stream — Pease to follow up. Stream should be cleaned prior to return of salmon in fall. NN

UNIT 45-5 BLOWDOWN ROAD 5606

DESCRIPTION:

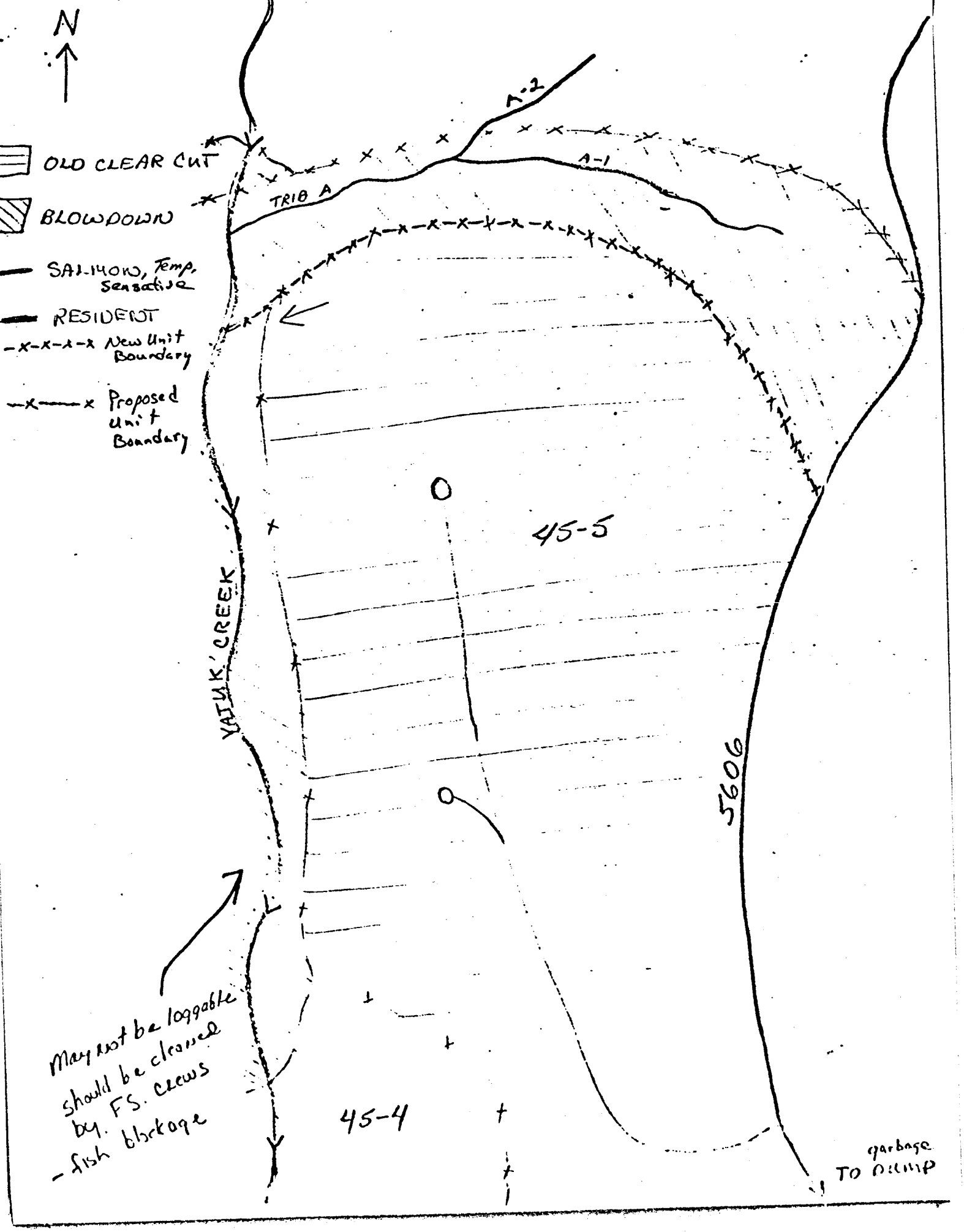
YATUK CREEK VARIES FROM 8-12 FT WIDE AND 3-18 INCH DEEP WITH 3-4 FT POOLS. THE SUBSTRATE CONSISTS OF ROCK / GRAVEL / SAND AND IN PLACES THE STREAM BED IS SOLID BEDROCK WITH GRAVEL SUBSTRATE. YATUK FLOWS ALONG THE WEST BOUNDARY OF UNIT 45-5 IN A V-NOTCH WHICH HAS 30 FT. ROCK CLIFFS AND 40-50 % SLOPES. THE SALMON SPAWNING AND REARING HABITAT IS EXCELLENT AND SALMON POPULATION DENSITY AND DIVERSITY ARE VERY HIGH. THE CREEK PROVIDES 90-95 % SPAWNING AND REARING HABITAT. THERE IS A TRIBUTARY (A) WHICH FLOWS WEST INTO YATUK AT THE NORTH END OF THE UNIT. THIS TRIBUTARY WAS FLAGGED ORANGE / WHITE FOR RESIDENTIAL REARING HABITAT. YATUK CREEK WAS FLAGGED BLUE / WHITE 150' BEYOND THE NORTH UNIT BOUNDARY AND 150' BEYOND THE SOUTH UNIT BOUNDARY. YATUK CREEK IS FULL OF BLOWDOWN WITH SOME SPRUCE 5 FT. IN DIAMETER. THIS IS CAUSING DEBRIS DAMS AND SALMON BARRIERS. THE TRIBUTARY (A) WAS ALSO COMPLETELY BURIED WITH BLOWDOWN.

THE BLOWDOWN AREA (30.4 ac) ON THE RIDGE ABOVE ROAD 5606 WAS ALSO CHECKED AND NO STREAMS WERE FOUND.

UNIT 45-J BLOWDOWN ND. 5606 YATUK CREEK

RECOMMENDATIONS:

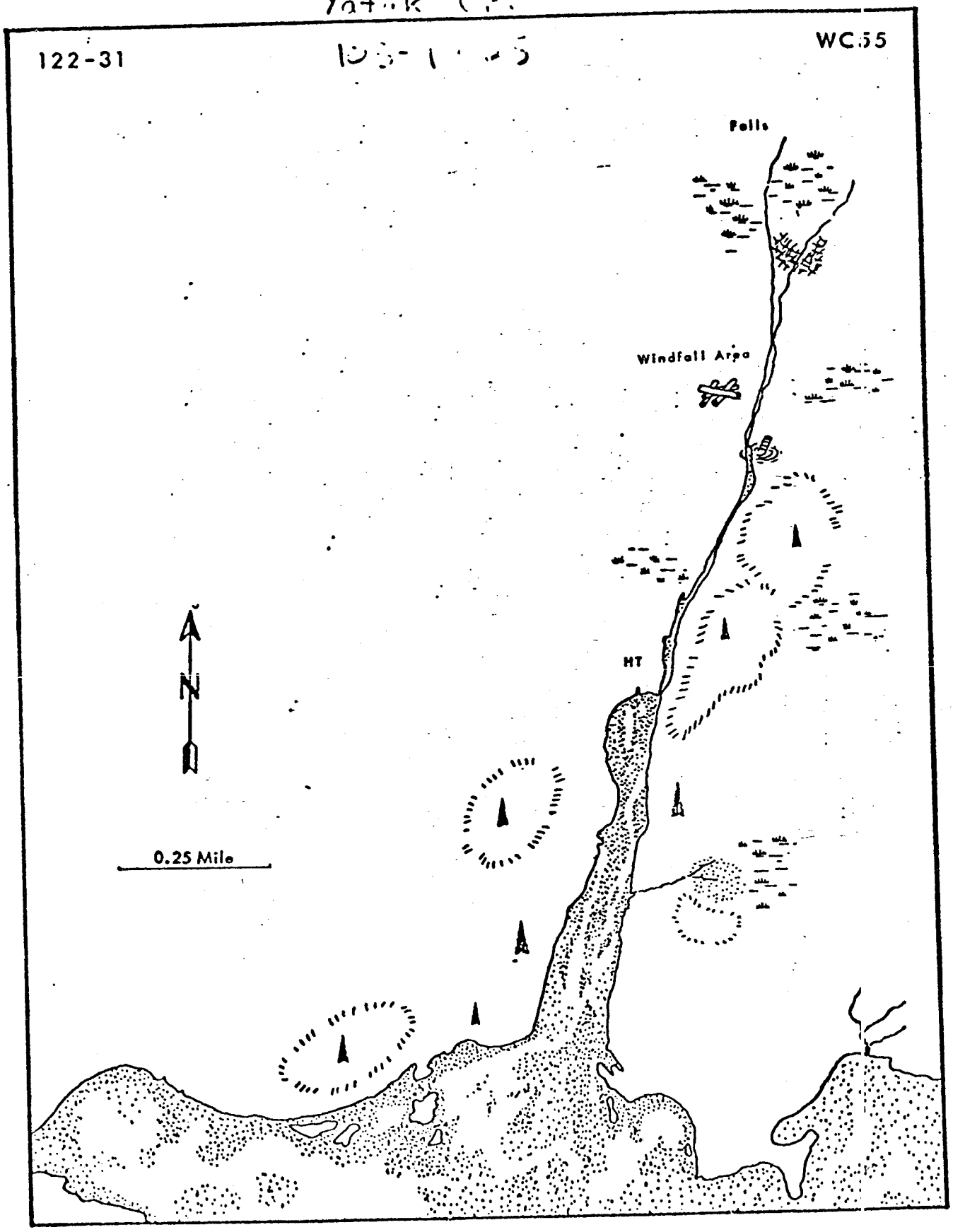
YATUK CREEK, BECAUSE OF ITS HIGH PRODUCTIVITY AND DIVERSITY, SHOULD BE CONSIDERED HIGH PRIORITY FOR CLEAN UP, BY EITHER THE LOGGING CO. OR A YACC CREW. THE NORTH UNIT BOUNDARY SHOULD BE EXTENDED NORTH TO INCLUDE THE BLOWDOWN IN THIS AREA (12± TREES). ALL NEW BLOWDOWN SOUTH OF THE UNIT BOUNDARY ALONG YATUK CREEK SHOULD ALSO BE INCLUDED FOR REMOVAL AT SUCH A TIME AS TO MINIMIZE IMPACT ON ALEVIN HATCHES AND SALMON SPAWNING NOTE. TRIBUTARY A, A-1 AND A-2 SHOULD BE CHUNK CLEARED CONCURRENT WITH LOGGING AND ALL BLOWDOWN REMOVED. The remaining standing trees along the stream/east unit boundary should be directionally felled away from the stream, yarding of the new blowdown out of the stream should be done with as much suspension as possible, old blowdown should remain in the stream to minimize bank disturbance and stream. clean up should be cocurrent with the logging activity, except logging debri which should have a 48 clean up limit.


N
OLD CLEAR CUT
BLOWDOWN
SAI-140W, Temp. Sensative
RESIDENT
New Unit Boundary
Proposed Unit Boundary
A-2
A-1
TRIB A
YATUK CREEK
45-5
5606
45-4
May not be loggable should be cleared by FS. crews - fish blockage
garbage TO DUMP

Yatuk Cr.

122-31

WC.55



Yalak Cr. 103-10-5

ADF STAT. No.
WC 55
Previous No. 26
ADF No. 161
FWS No. 23

122-31
55°53.7' N. 133°09.2' W.

WEST COAST, TUXEKAN PASSAGE, NAUKATI BAY, Head of northernmost arm.

MAJOR SPECIES Pink, chum.
OTHER SPECIES Coho.
ESCAPEMENT TIMING Late. Sep-Oct.
ESCAPEMENT MAGNITUDE
SPAWNING FACILITIES Good.
STREAM TEMPERATURES Normal range. Observed temperature: 48° F., 9/27/49.
VALLEY DESCRIPTION Stream-cut. The area through which this stream flows is nearly flat, with a few rolling hills.
DRAINAGE 5.5 square miles (polar planimeter). This stream is fed by numerous small lakes and ponds which are found at its headwaters. Many muskeg areas.
STREAM MOUTH IDENTIFICATION Enters Naukati Bay 0.5 mile N W of WC 54. The tidal flats of these two streams infringe upon each other.
ANCHORAGE Caution should be taken when running in these waters.
TRAILS AND SURVEY ROUTES No trails and numerous downfalls. A difficult stream to survey.
AERIAL SURVEY NOTES Poor for aerial surveying.

INTERTIDAL ZONE

LENGTH 0.5 mile.
AVERAGE WIDTH/DEPTH 30'-40'/8"-10".
GRADIENT AND VELOCITIES Moderate.
BOTTOM Coarse gravel.
LOW TIDE LOCATION
HIGH TIDE LOCATION
SCHOOLING AREAS Fish school off the mouth and in several large holes just below the high tide mark.
SPAWNING AREAS Pinks spawn to a large extent in the upper part of this zone.
GENERAL NOTES

UPSTREAM

LENGTH ACCESSIBLE 2 miles.
AVERAGE WIDTH/DEPTH 25'-30'/15"-20".
GRADIENT AND VELOCITIES Moderate.
BOTTOM Mud, sand, and gravel.
MARKER DISTANCE
MARKER IDENTIFICATION
BARRIERS Falls 2 miles upstream is at least a partial block to salmon.
TRIBUTARIES None
SCHOOLING AREAS There are small holes throughout, many formed by downfalls.
SPAWNING AREAS The first 1.5 miles contains good spawning gravel. At the 1.5 mile mark, the stream enters a steep-sided canyon with a bedrock and boulder bottom; following this, fair spawning facilities extend to the lake.
GENERAL NOTES

122-31

ADF STAT. No. WC 55
Previous No. 26
ADF No. 161
FWS No. 23

ESCAPEMENT RECORD

[Counts made by ground surveys are designated by G. Aerial surveys by A]

Date	SURVEYED Miles	By	PINK Live	PINK Dead	CHUM Live	CHUM Dead	OTHER SPECIES Live	REMARKS Adjective rating
1941								
Sep 9		FWS	7,500		500		200 coho	
1942								
Sep 16		FWS	20,000		2,000			Good
1943								
Sep 28		FWS	30,000		5,000			Excellent
1944								
Oct 17		FWS	3,000		450			Poor
1945								
Sep 21		FWS	18,000		3,500			Excellent
1947								
Oct 2	G 0.3	FWS	300					Fair. Few live chum
1948								
Sep 10	G 2.5	ASI	4,100	200	17,050	1,226		Dead are spent
Sep 26		FWS						Fair. Chum good. Pink fair
Oct 12	G 1.5	ASI	1,750	835	375	960	35 coho	Good
1949								
Aug 7	G 2.5	FRI	50		0			
Sep 3	G 0.8	FRI	378		28	2		
Sep 13	G 3.0	FRI	720	12	2,666	644		
Sep 27	G 2.8	FRI	3,510	1,019	89	705		
1957								
Sep 16	G 1.3	FWS	77	8	400	200		2,000 chum at mouth
1960								
Aug 17	A	ADF	0		0			No fish showing in bay
Aug 22	A	ADF	0		0			1,000 pink at mouth. Visibility poor
Sep 2	G 0.5	ADF	500		200			2,000 pink and chum at mouth
Sep 14	G 1.5	ADF	25,000		1,000			3,500 pink off mouth
1961								
Aug 15	A	ADF						100 pink at mouth
Aug 22	G 0.5	ADF	13		1			480 pink at mouth. Stream very low. Initial entry
Sep 12	A	ADF	1,500					
Sep 27	A	ADF			300	200		Visibility poor
1962								
Sep 3	A	ADF	200					Few chum. 20,000-25,000 fish off 161A-B