

ADF&G MULTI-ASSESSMENT FORM
1991 GENERAL ENTRY CHECKLIST

DDH
10/4/91



STREAM#: 2321010350
SEGMENT:

OK

DATE PRINTED: 08/14/91

PAGE 9

LOCATION: NUKA PASSAGE, TONSINA BAY, 4 KM SOUTH OF

Front Point Area

SURVEY TYPE: 89 AFHS - ~~BS~~ SS/BS

METHOD: GROUND FOOT

DATE: 07/21/89

TEAM RECORDER: HILL

START TIME: 1930

OBSERVERS: GLENN

END TIME: 2010

TIDES: Ebb
OG/HAB DISCREPANCIES:

AGENCY: FG

PHOTOS TAKEN: Y

STATION: 2321010350

ROLL#: 89DDH008H
FRAME: 09-16

VIDEO TAKEN:
START:

TAPE#:
END:

SAMPLES TAKEN: Y

SAMPLE NUMBERS: ~~??~~ 89LP6006H

Correct
DDH
10/4/91

OIL IN STREAM BED:

OIL ON BEACH BY MOUTH:

OVERALL OIL IMPACT: M/H

WAVE EXPOSURE:

SHORELINE TYPE:

SUBSTRATE TYPE: BEDROCK	50	BOULDER	30	COBBLE	20	VEGETAT
GRAVEL		SAND		MUD/SILT		GRANULE

ANADROMOUS FISH PRESENT: ~~Y~~ Y

SPECIES: Dolly WALDEN

COUNT: 1

PINK SALMON

300

ACE 9961886 +/F/SLC

DDH
10/4/91
← y
← Fish
The Attached
Forms are in
the book from Homer
which I will
transfer to you

Dag, pls check whether oil extent
was taken 7/21 or 8/16

SEE updated
Forms Attached
DDH - 8/29/91

ADF&G MULTI-ASSESSMENT FORM
1991 OILING ENTRY CHECKLIST

dk

PAGE 9

DATE PRINTED: 08/14/91

STREAM# : 2321010350
SEGMENT#:

SURVEY TYPE : 89 AFHS - BS/SS LOCATION: NUKA PASSAGE, TONSINA BAY, 4
DATE: 07/21/89 KM SOUTH OF
TIMES: 1930 - 2010 TEAM RECORDER: HILL

-- OILING EXTENT --

SITE#	SITE TYPE	DEPTH (cm)	LENGTH (m)	WIDTH (m)	AREA (m)	%	THICK (cm)	PEN (cm)	OIL TYPE CODES
1			12	9	108	20	7.5		MS ST CT CV
2			30	18	540	40	1.5		ST CT CV MS
3			3	2	6	95	<.5	<45	MS
4			45	3	135				ST CT
5			76	.5	38				TB

ACE 9961887

ADF&G MULTI-ASSESSMENT FORM
1991 OILING ENTRY CHECKLIST

ok

PAGE 10

DATE PRINTED: 08/14/91

COMMENTS:

SITE 1-9. TARBALLS FOUND IN STREAM (6 - 3" X 3", AT WATERS EDGE) ~60-70 YARDS ABOVE MOUTH OF STREAM. MOUSSE FOUND ~150 YARDS UPSTREAM OF THE LARGE ROCK ON THE NORTH SHORE AT MOUTH OF STREAM. ~~///~~ Juvenile Dolly varden observed in the stream

ACE 9961888-15

A.F.H.S

Site 1-9

Front Pt. Creek

ASC NUMBER: 232-10-10350 SEGMENT NUMBER: none YR CATALOGED:

LOCATION: Nuka Bay Passage, Tongva Bay, 4.0 km South, Front Pt. Area

TAM NAME: LOCAL STREAM #:

QUADRANGLE: Seldovia B-3

SHORELINE TYPE: Beach, low lying rock ALL SEGMENTS:

WAVE EXPOSURE: High

LATITUDE: 59 16 37

LONGITUDE: 150 53 39

LEGAL: S 109 10W 25

SC NUMBER: SURVEY TYPE: DS/SS METHOD: FOOT DATE: 7/21/89 START TIME: 1930 TOP TIME: 2010

TEAM RECORDER: Doug Hill OBSERVERS: Lee Glen N

AGENCY(IES): ADFG

PHOTOS TAKEN? Roll #: 2100H08H Frames: 9-16 VIDEO TAKEN? N Tape Number: Counter Start:

SAMPLES TAKEN? Y SAMPLE I.D. NUMBERS: 1. DDH/LPG-7/21/89-19302. 3. 5. 4. 6.

TIDE - Ebb

	LENGTH m	WIDTH m	H2	t	THICK cm	PEN cm	OIL TYPE
SITE 1	12	9	108	20	<7.5	—	MS, ST, CT, CV
SITE 2	30	18	540	40	<7.5	—	ST, CT, CV, MS
SITE 3	SEE	8/16/89 Survey					
SITE 4	45	3	135	—	—	—	ST, CT
SITE 5	SEE	8/16/89 Survey					

VERALL OIL IMPACT: M/H

IL IN STREAM CHANNEL? Y

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? Y

SUBSTRATE

Bedrock	60	Granule
Boulder	30	Sand
Cobble	20	Silt
Pebble		Veget.

SPECIES	Dolly VARDEN				
COUNT	1				

MENTS: Tarballs found in stream \approx 60-70 yds above mouth of stream - 6-3" x 3" tarballs at water's edge.

Mousse observed \approx 150 yds upstream of the large rock on the north shore at mouth of stream.

ACE 9961889



FISH HABITAT ASSESSMENT FORM

FRONT Point => 12⁵ Major valley south of Tonsina Bay, 2 miles south of Long Island

1¹ REGION: 2¹ PWS 3¹ KP, CI 4¹ ~~DDH~~ 5¹ OBSERVER(S) Doug Hill, Lee Glenn

6¹ SITE NO. 1-9 7¹ AERIAL PHOTO NO. 14, 15, 16 8¹ CAT NO. 1/C

9¹ STREAM NAME * Front Pt. Creek 10¹ LAT 59° 16' 37" 11¹ LONG 151° 53' 39"

12¹ DATE 7/21/89 13¹ TIME 1930 14¹ TIDE: Low slack Flood High slack EBB

15¹ CATALOGED ANADROMOUS STREAM? Y N 16¹ ANAD. FISH FOUND? Y N

17¹ OIL FOUND IN STREAM? Y N 18¹ OIL FOUND NEAR STREAM (1 MI.)? Y N

19¹ OIL SAMPLES TAKEN? Y N 20¹ ID NOS. FR Pt. Crk. - DDH/LPG - 7/21/89 - 1930

21¹ 35 mm PICTURES TAKEN? Y N 22¹ ROLL NO(S) 89-DDH-008
89-DDH-022

23¹ EXPOSURE NO. 24¹ DESCRIPTION

Roll # 022	9, 10	Sample # DDH/LPG-7/21/89-1930 Lee Glenn taking sample from point approx. 15' from current stream le.
	11	Lee Glenn amidst largest oiled portion of this creek mouth/south
	13	location TD photo of sample # DDH/LPG-7/21/89-1930
	14, 15, 16	Aerial of Front Point Creek
	19, 20, 21, 22, 23, 24	North shore oil patch - oil to 1 1/2' depth - Brown mucus subsurface (cobble beach
	26, 27	thick - nearly pure mucus pulled from cracks (2 scoops)
	28	Salmon spawning (left-lower) - 4 Bayds upstream of saltwater 150 yds surveyed

25¹ VIDEO FOOTAGE TAKEN? Y N 26¹ CASSETTE NO(S) _____

27¹ DESCRIPTION: _____

ACE 9961890 +15
ACE 7380188

ANADROMOUS FISH OBSERVATIONS

	PINK	CHUM	RED	KING	COHO	DOLLY		
28 Aerial	300							
29 Ground	300					1		

30 COMMENTS: One dolly varden observed 50 yds upstream of Focus Zone (7/21/89 survey)
Pinks (300) observed on 8/16/89 survey with Dave Vanderbrink (HMAC - Fisheries Rep.) - Bright fish

OIL OBSERVATIONS

Revised MAP

6/26/91

Site 1-9

EXTENT OF OIL:

31 SURFACE COVERAGE

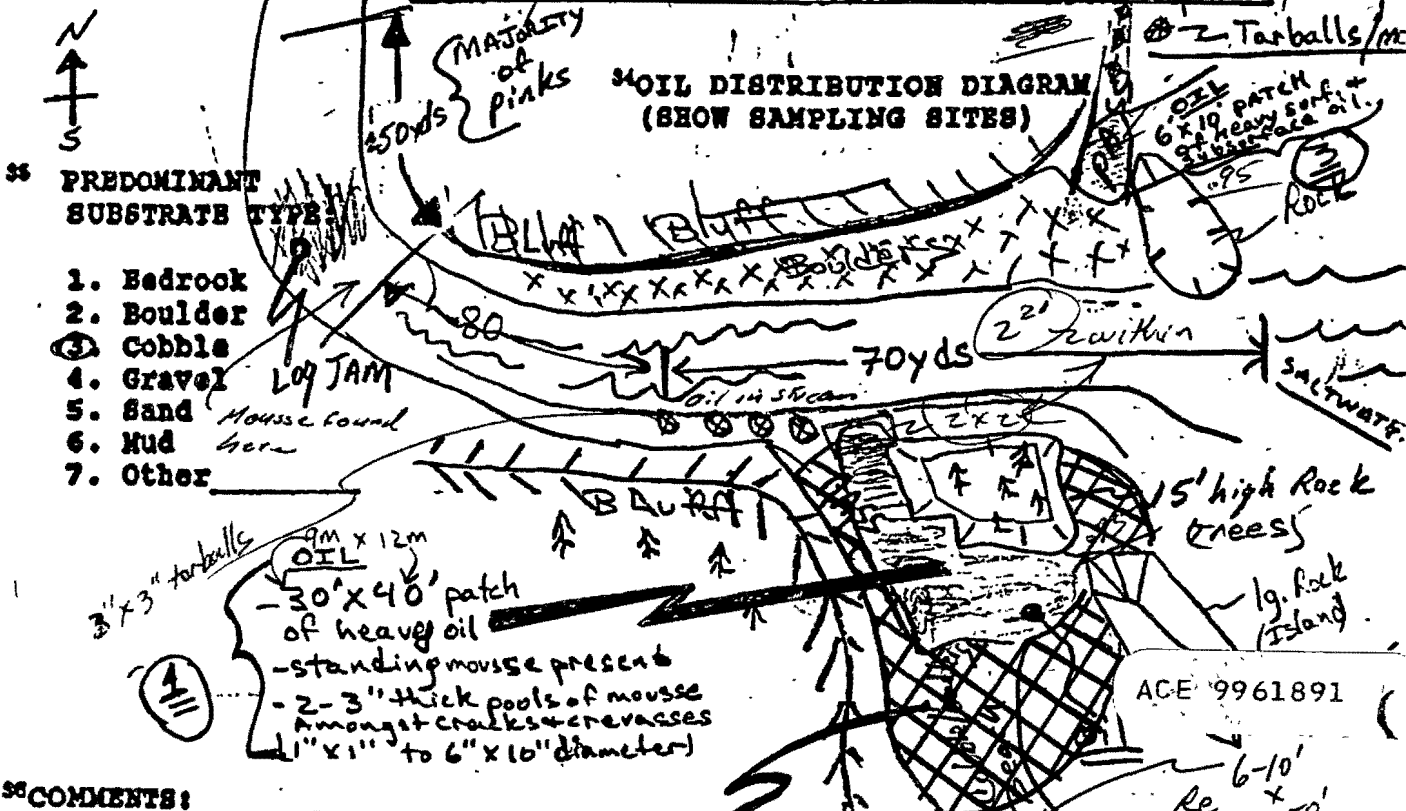
32 SURFACE THICKNESS

33 PENETRATION

34 PREDOMINANT SUBSTRATE TYPE:

1. Bedrock
2. Boulder
3. Cobble
4. Gravel
5. Sand
6. Mud
7. Other

OUT	North Shore	South Shore
Scattered splatters/tarballs for 250 feet along beach 1-2' wide band 1-6" x 10" patch heavy surf	30' x 40' patch of mousse - 10-15' from streambed - that line of mousse balls from 50yds upstream to 70yds point	1-3" over 20% of the area
	Oil observed in the stream	2-5mm over 70% of area
	1 1/2' MAJORITY SURFACE	MAJORITY of South Shore is Bedrock - Electrochromer to the south

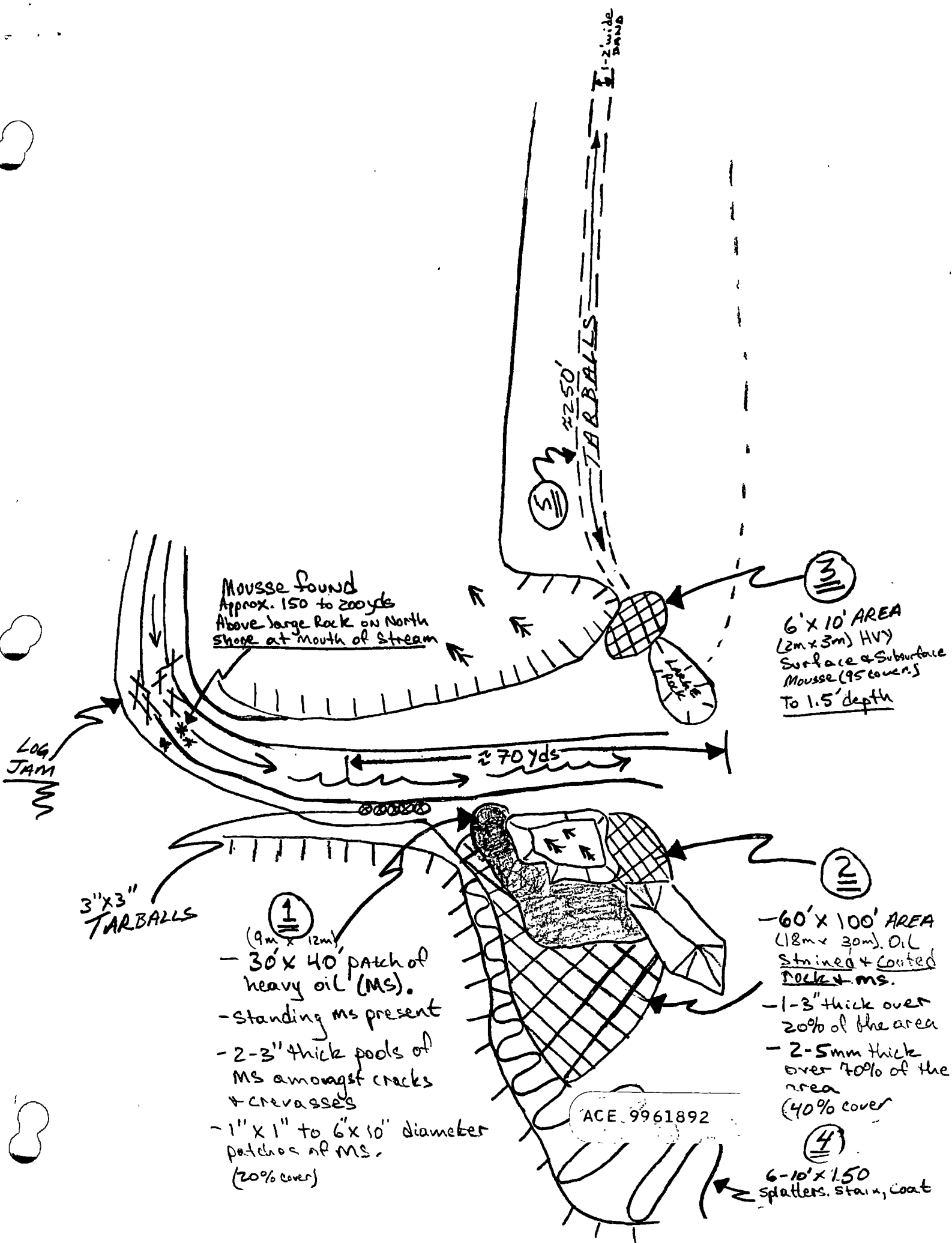


35 COMMENTS:

No Cleanup has occurred - REACH has not been addressed.

2 OIL stained + Coated Rock 60 x 100 ft

ACE 7380189



Mousse found
 Approx. 150 to 200 yds
 Above large rock on North
 shore at mouth of stream

LOG
 JAM

70 yds

250'
 TAR BALLS

1-2' wide
 BAND

3

6' x 10' AREA
 (2m x 3m) HVY
 Surface & Subsurface
 Mousse (95 cover)
 To 1.5' depth

2

- 60' x 100' AREA
 (18m x 30m). OIL
 Stained & Coated
 ROCK & MS.
 - 1-3" thick over
 20% of the area
 - 2-5mm thick
 over 70% of the
 area
 (40% cover)

1

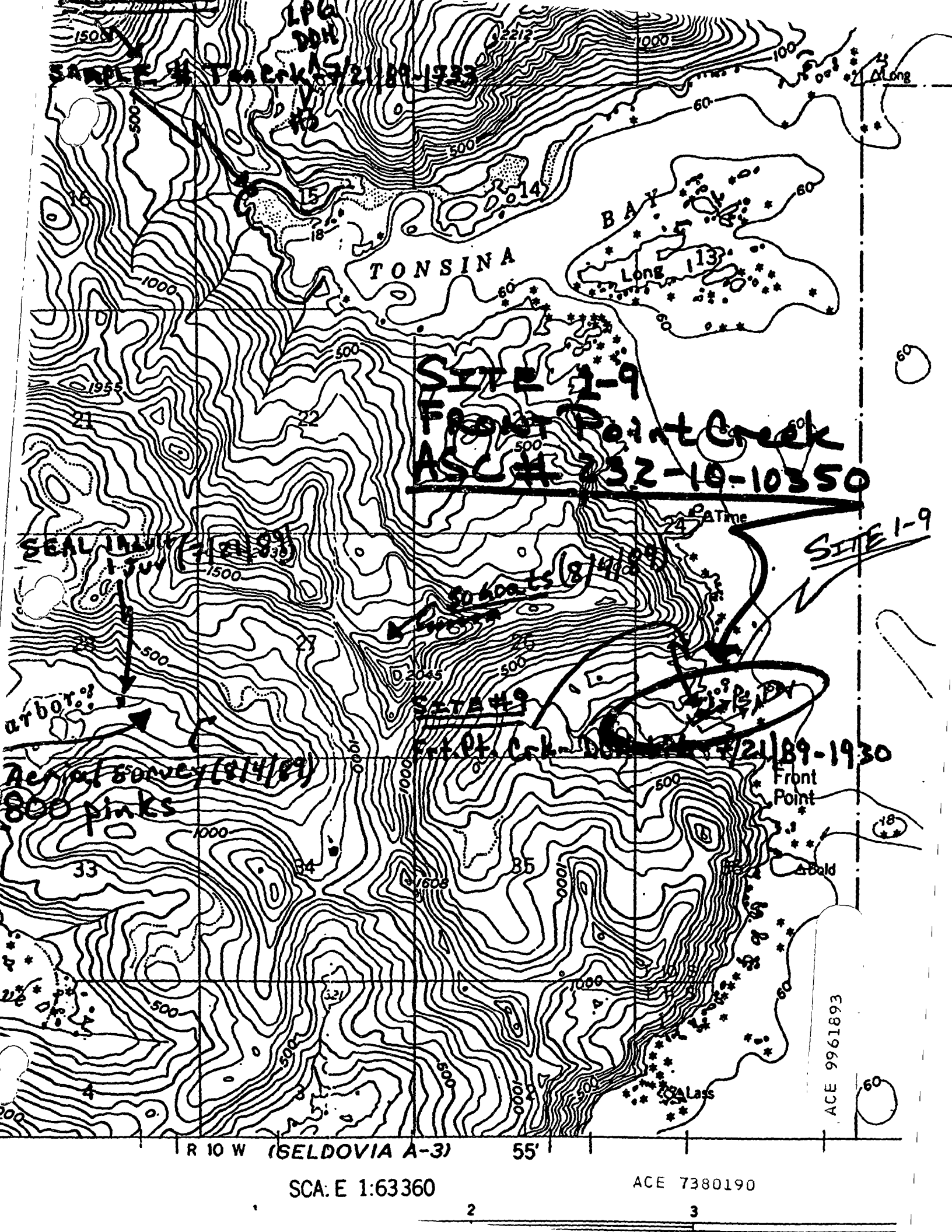
(9m x 12m)
 - 30' x 40' patch of
 heavy oil (MS).
 - standing ms present
 - 2-3" thick pools of
 MS amongst cracks
 & crevasses
 - 1" x 1" to 6' x 10" diameter
 patches of MS.
 (20% cover)

3" x 3"
 TAR BALLS

ACE 9961892

4

6-10' x 1.50
 splatters, stain, coat



SAMPLE #1 Tonsina Bay 7/21/89-1930

LPG
DCH

TONSINA

BAY

SITE 1-9
Front Point Creek
ASC # 732-10-10350

SEAL ISLAND (7/21/89)

500-600 ft (8/4/89)

SITE 1-9

SITE 1-9
Front Pt. Crk. - D. ... (7/21/89-1930)

Aerial survey (8/4/89)
800 pinks

Front Point

Seal Lass

R 10 W (SELDOVIA A-3)

55'

SCALE 1:63360

ACE 7380190

ACE 9961893

State of Alaska
 Department of Fish and Game
 Nomination for Waters
 Important to Anadromous Fish

Year of Revision

Anadromous Water Catalog Volume Southcentral Region

USCS Quad Seldovia B-3

Name of Waterway None Designated ("Front Pt. Creek" for purposes here).

1-9

Anadromous Water Catalog Number of Waterway NC

Change to _____ Atlas
 _____ Catalog
 _____ Both

Addition X

Deletion _____

Correction _____

Name addition:

USCS name None

Local name None known

For Office Use

Nomination # _____	
Regional Supervisor _____	Date _____
Drafted _____	Date _____

Species	Date(s) Observed	Spawning	Rearing	Migration
Pink Salmon	8/16/89	X		
Dolly Varden	7/21/89	X		

Comments: Provide any clarifying information, including number of fish observed, location of fish survey data, etc.

300 Pink Salmon observed, 1 Dolly Varden observed

Survey only encompassed approximately 150 yards of stream fish observed over the entire 150 yards-from saltwater upstream 150 yards.

Original data on file with state Oil Spill Lawyers (Rite In Rain). EXXON VALDEZ SPILL

Attach a copy of a map showing location of mouth and upper points of each species, specific stream reaches identified for spawning or rearing, locations of barriers, such as falls. Attach a copy of the fish survey data, if available.

Name of Observer (please print) Douglas D. Hill

Date: 12/13/89 Signature: Douglas D Hill

Address: 509 Sterling Highway, Homer, Ak. 99603

235-5322

ACE 9961894 -/s

Signature of Area Biologist: _____

AFHS 1989

Site 1-9

FRONT Pt. Creek

ASC NUMBER: 232-10-10350 SEGMENT NUMBER: NONE YR CATALOGED:
 LOCATION: NUKA BAY, ~~Major valley South Toastr Bay~~ NUKA PASSAGE, TONGINA BAY, 4km South, FR. Pt. Creek
 TEAM NAME: LATITUDE: 59 16 37
 KODIAK K-UNIT: LOCAL STREAM #: LONGITUDE: 150 53 39
 USGS QUADRANGLE: Seldovia B-3 LEGAL: S 105 10W25
 SHORELINE TYPE: ALL SEGMENTS:
 WAVE EXPOSURE:

ASC NUMBER: TEAM RECORDER: Doug Hill
 SURVEY TYPE: BS OBSERVERS: Lee Glenn
 METHOD: Ground
 DATE: 7/21/89 - 1930 → 2010 hrs
 START TIME: 1400 → 1530
 STOP TIME:
 AGENCY(IES): ADF+G
 PHOTOS TAKEN? y
 Roll #: 3180H08H Frames: 9 → 16
 VIDEO TAKEN? y Tape Number: 19 → 28
 Counter Start: 3217-3264 81LPH07H

ADAL
10/4/91

SAMPLES TAKEN? Yes
 SAMPLE I.D. NUMBERS: 1. Frt Pt. Creek
 2. 1. DAH/LPH-7/21/89-1930
 3. 2.
 4. 3.
 5. 4.
 6. 5.

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1	12	9	108	20	2.5 (cracks) 2.5		MS, ST, CT, CV
SITE 2	30	18	540	40	2.7 (cracks) 2.5		ST, CT, CV, MS
SITE 3	3	2	6	95	2.5	245	ms
SITE 4	45	3	135	—	—	—	ST, CT
SITE 5	76	.5	38	—	—	—	Tarballs

OVERALL OIL IMPACT: M/H

OIL IN STREAM CHANNEL?

OIL ON BEACH WITHIN 50M OF STREAM MOUTH?

SUBSTRATE

Bedrock 50	Granule
Boulder 30	Sand
Cobble 20	Silt
Pebble	Veget.

7/21/89 8/16/89

SPECIES	Dolly Varden	Pink SALMIN			
COUNT	1	300			

COMMENTS: TARBALLS found in stream ≈ 60-70 yds above mouth of stream.
 (6-3"x3" tarball at waters edge)
 - Mousse found ≈ 150 yds upstream of the large rock on the North shore at mouth of stream.
 - Juvenile Dolly Varden observed in stream.
 - The information presented here is the result of two survey dates.

ACE 9961895 +/s

FISH HABITAT ASSESSMENT FORM

FRONT Point => Major valley south of Tonsina Bay, 2 miles south of Long Island

1 REGION: 2 PWS 3 KP, CI 4 ~~DDH~~ 5 OBSERVER(S) Doug Hill, Lee Glenn

6 SITE NO. 1-9 7 AERIAL PHOTO NO. 14, 15, 16 8 CAT NO. 1/C

9 STREAM NAME * Front Pt. Creek 10 LAT 59° 16' 37" 11 LONG 151° 53' 39"

12 DATE 7/21/89 13 TIME 1930 14 TIDE: Low slack Flood High slack 15 BDB

15 CATALOGED ANADROMOUS STREAM? Y (N) 16 ANAD. FISH FOUND? (Y) N

17 OIL FOUND IN STREAM? Y (N) 18 OIL FOUND NEAR STREAM (1 MI.)? (Y) N

19 OIL SAMPLES TAKEN? (Y) N 20 ID NOS. FRPT.Crk.-DDH/LPG-7/21/89-1930

21 35 mm PICTURES TAKEN? Y N 22 ROLL NO(S) 89-DDH-008 89-DDH-022

23 EXPOSURE NO.	24 DESCRIPTION
9, 10	Sample # DDH/LPG-7/21/89-1930 Lee Glenn taking sample from point approx. 15' from current stream le.
11	Lee Glenn amidst largest oiled portion of this creek mouth/south.
13	Location ID photo of sample # DDH/LPG-7/21/89-1930
14, 15, 16	Aerial of Front Point Creek
19, 20, 21, 22, 23, 24	North shore oil patch - oil to 1 1/2' depth - Brown mousse subsurface (crbble beach)
26, 27	Thick-nearly pure mousse pulled from cracks (2 scoops)
28	Salmon spawning (left-lower) - 4 Boyds upstream of saltwater
	150 yds Surveyed

Roll #008

Roll #022

25 VIDEO FOOTAGE TAKEN? Y (N) 26 CASSETTE NO(S) _____

27 DESCRIPTION: ACE 9961896 ACE 7380188

ANADROMOUS FISH OBSERVATIONS

	PINK	CHUM	RED	KING	COHO	DOLLY		
28 Aerial	300							
29 Ground	300					1		

30 COMMENTS: One dolly varden observed 50 yds upstream of Focus zone (7/21/89 survey). Pinks (300) observed on 8/16/89 survey with Dave Vanderbrink (HMAC - Fisheries Rep.) - Bright fish

OIL OBSERVATIONS

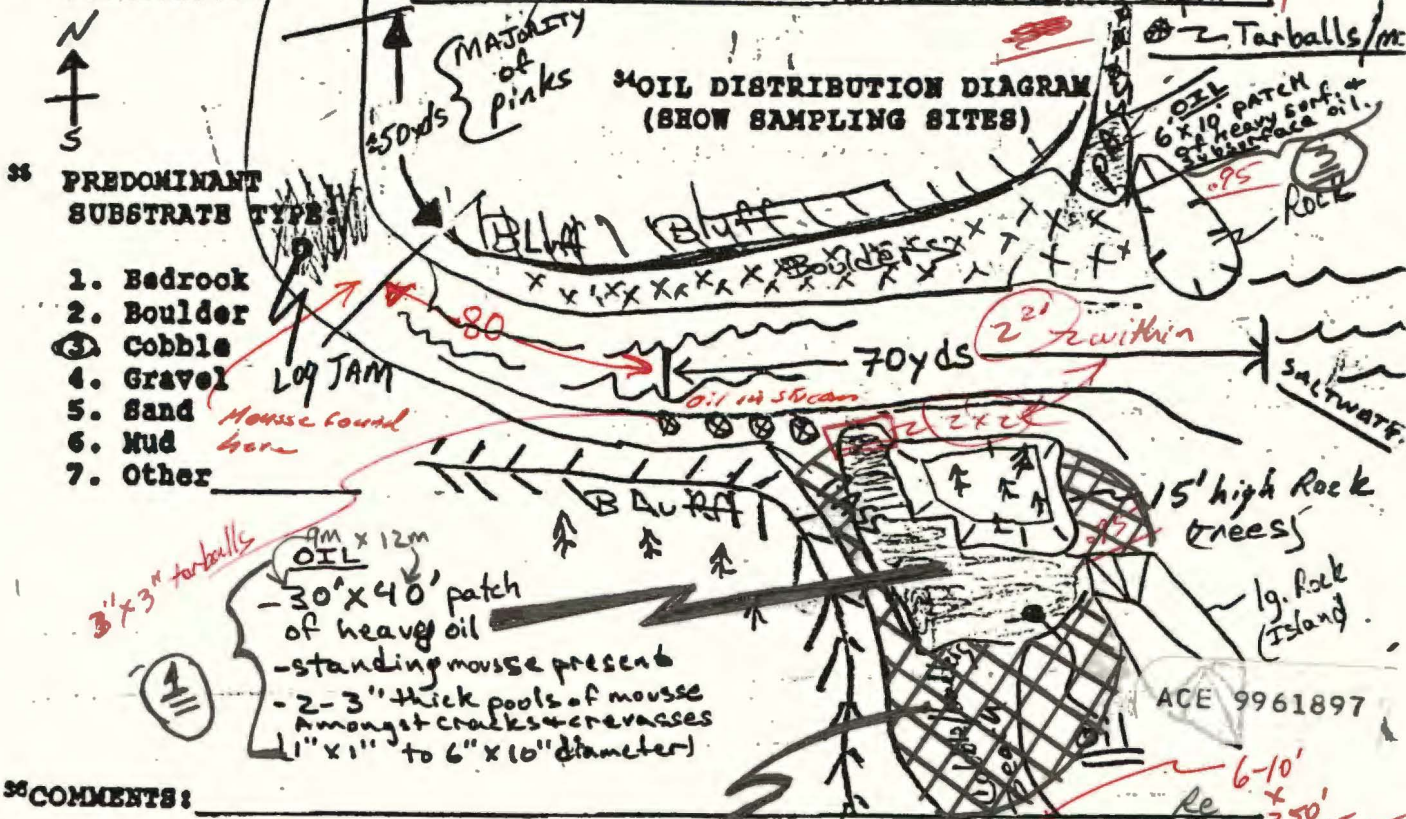
Revised MAP

6/26/91

Site 1-9

EXTENT OF OIL:

	OUT STREAM STREAM	OUTSIDE STREAM
31 SURFACE COVERAGE	Scattered splatters/tarballs for 250 feet along beach 1-2' wide band 1-6" x 10" patch heavy surf	30' x 40' patch of mousse - 10-15' from streambed - 2' at line of mousse balls from 50 yds upstream to 70 yds point
32 SURFACE THICKNESS	Oil Observed in the stream	1-3" over 20% of the area
33 PENETRATION	1 1/2' / MAJORITY SURFACE	2-5mm over 70% of Area MAJORITY of South Shore is Bedrock North shore of the stream



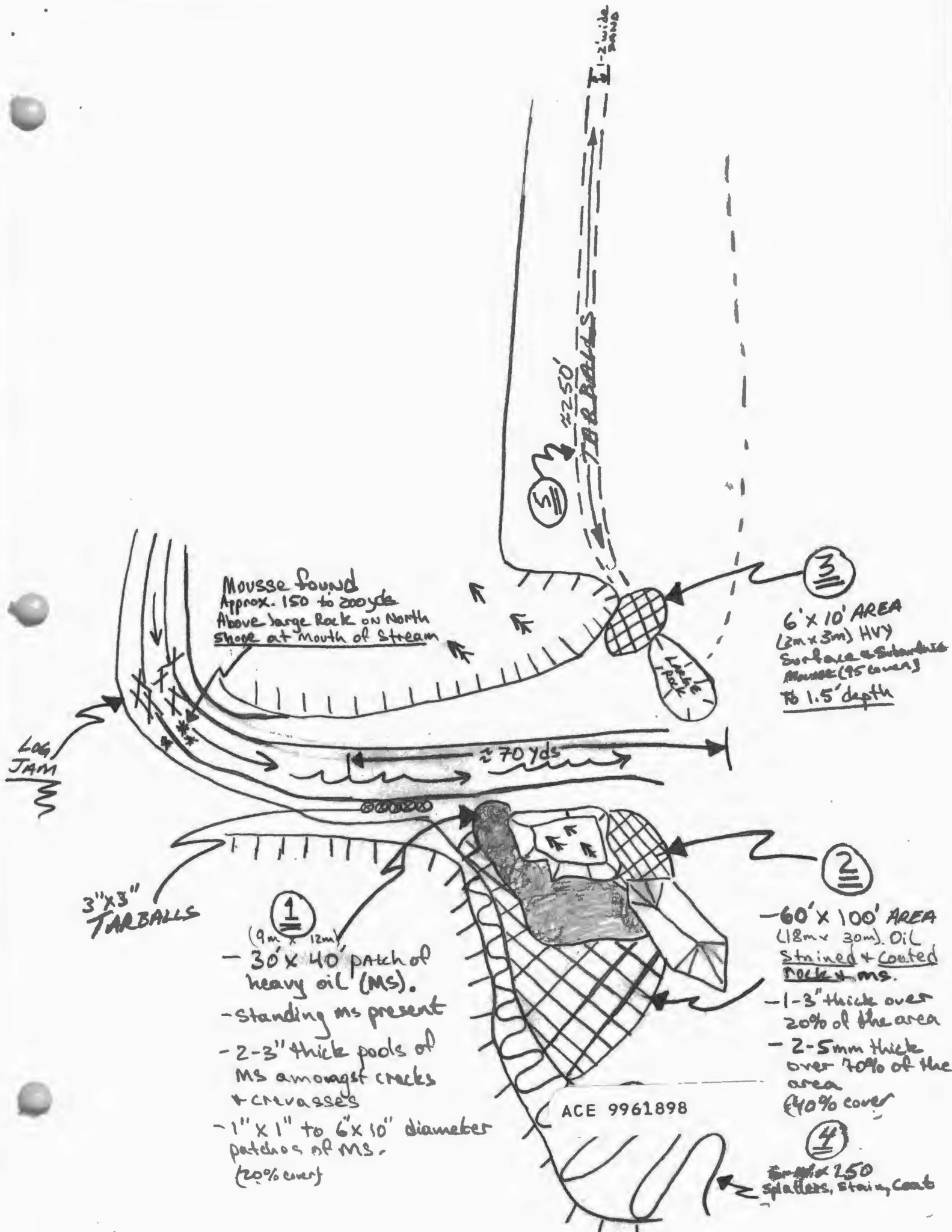
36 COMMENTS:

No Cleanup has occurred - BEACH has not been addressed.

2 OIL stained + Coated

Rock: 60 x 100 ft

ACE 7380189



Mousse found
 Approx. 150 to 200 yds
 Above large Rock on North
 Shore at mouth of stream

1-2' wide
 SAND

~250'
 TARBALLS

③
 6' x 10' AREA
 (2m x 3m) HVY
 Surface + Substrate
 Mousse (95 cover)
 To 1.5' depth

LOG
 JAM

~70 yds

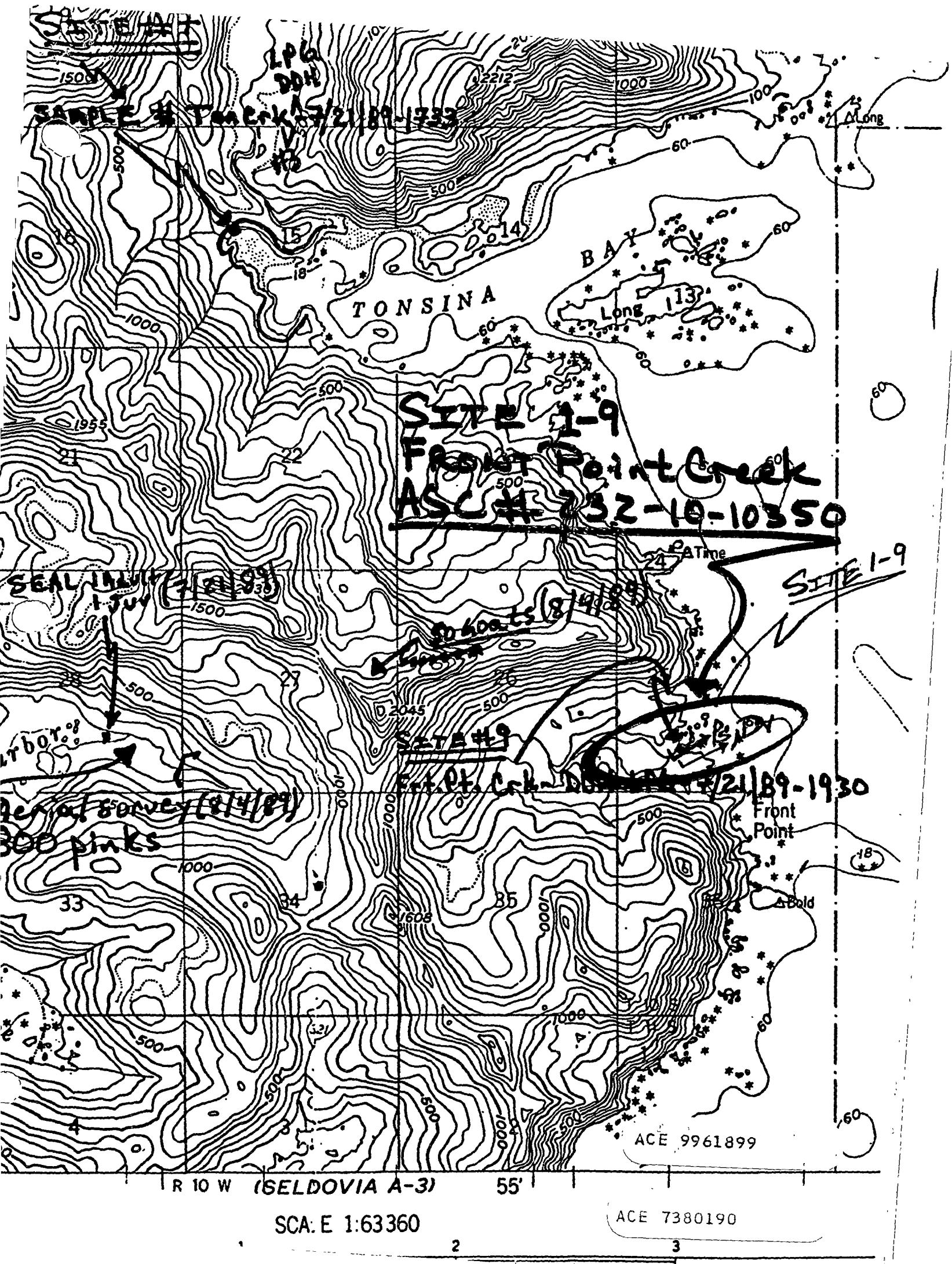
3" x 3"
 TARBALLS

①
 (9m x 12m)
 - 30' x 40' patch of
 heavy oil (MS).
 - Standing ms present
 - 2-3" thick pools of
 MS amongst cracks
 + crevasses
 - 1" x 1" to 6" x 10" diameter
 patches of MS.
 (20% cover)

②
 - 60' x 100' AREA
 (18m x 30m). Oil
 Stained + Coated
 Rock + MS.
 - 1-3" thick over
 20% of the area
 - 2-5mm thick
 over 70% of the
 area
 (40% cover)

ACE 9961898

④
 ~250
 Splatters, Staining, Coats



SITE #11

LP 6
20H

SAMPLE #1 Tm Crk 7/21/89-1733

TONSINA

BAY

SITE #1-9
Front Point Creek
ASC # 732-10-10350

SEALED IN JULY (7/1/89)

300 pinks (8/4/89)

SITE 1-9

SITE #9
Front Pt. Crk - Dredge (8/21/89-1930)

300 pinks
Aerial survey (8/4/89)

Front Point

ACE 9961899

R 10 W (SELDOVIA A-3)

55'

SCA: E 1:63360

ACE 7380190

State of Alaska
 Department of Fish and Game
 Nomination for Waters
 Important to Anadromous Fish

Year of Revision _____

Anadromous Water Catalog Volume Southcentral Region

USGS Quad Seldovia B-3

Name of Waterway None Designated ("Front Pt. Creek" for purposes here).

1-9

Anadromous Water Catalog Number of Waterway NC

Change to _____ Atlas
 _____ Catalog
 _____ Both

Addition X

Deletion _____

Correction _____

Name addition:

USGS name None

Local name None known

For Office Use

Nomination # _____	
Regional Supervisor _____	Date _____
Drafted _____	Date _____

Species	Date(s) Observed	Spawning	Rearing	Migration
Pink Salmon	8/16/89	X		
Dolly Varden	7/21/89	X		

Comments: Provide any clarifying information, including number of fish observed, location of fish survey data, etc.

300 Pink Salmon observed, 1 Dolly Varden observed

Survey only encompassed approximately 150 yards of stream fish observed over the entire 150 yards-from saltwater upstream 150 yards.

Original data on file with state Oil Spill Lawyers(Rite In Rain). EXXON VALDEZ SPILL

Attach a copy of a map showing location of mouth and upper points of each species, specific stream reaches identified for spawning or rearing, locations of barriers, such as falls. Attach a copy of the fish survey data, if available.

Name of Observer (please print) Douglas D. Hill

Date: 12/13/89 Signature: Douglas D Hill

Address: 509 Sterling Highway, Homer, Ak. 99603

235-5322

ACE-9961900 ts

Signature of Area Biologist: _____

ACE 7380187

ADF&G MULTI-ASSESSMENT FORM
1991 GENERAL ENTRY CHECKLIST

*Done
10/4/91*

ok

STREAM#: 2321010350
SEGMENT:

PAGE 10

DATE PRINTED: 08/14/91

LOCATION: NUKA PASSAGE, TONSINA BAY, 4 KM SOUTH OF, *Front Point Area*

SURVEY TYPE: 89 AFHS - BS / *491*

METHOD: GROUND *Foot*

DATE: 08/15/89

TEAM RECORDER: HILL

START TIME: 1530

OBSERVERS: GLENN

END TIME: 1410

TIDES: *Ebb*

AGENCY: FG

OG/HAB DISCREPANCIES:

PHOTOS TAKEN: Y

STATION: 2321010350

ROLL#: 89DDH022H

FRAME: 19-28

VIDEO TAKEN: *Y*

TAPE#: *89A4017H*

START: *3272*

END: *3274 3264*

SAMPLES TAKEN: *Y N*

SAMPLE NUMBERS: *?? -*

OIL IN STREAM BED:

OVERALL OIL IMPACT: M/H

OIL ON BEACH BY MOUTH:

WAVE EXPOSURE:

SHORELINE TYPE:

SUBSTRATE TYPE: BEDROCK *50* BOULDER *30* COBBLE *20* VEGETAT

GRAVEL SAND MUD/SILT GRANULE

ANADROMOUS FISH PRESENT: *Y*

SPECIES: *PINK SALMON* COUNT: *300*

*Survey
START
← STOP*
*Done
10/4/91*
[scribble]

ACE 9961901 +/s

ADF&G MULTI-ASSESSMENT FORM
1991 OILING ENTRY CHECKLIST

ok

PAGE 11

DATE PRINTED: 08/14/91

STREAM# : 2321010350
SEGMENT#:

SURVEY TYPE : 89 AFHS - BS/SS
DATE: 08/16/89
TIMES: 1410 - 1530

LOCATION: NUKA PASSAGE, TONSINA BAY, 4
KM SOUTH OF
TEAM RECORDER:

-- OILING EXTENT --

SITE#	SITE TYPE	DEPTH (cm)	LENGTH (m)	WIDTH (m)	AREA (m)	%	THICK (cm)	PEN (cm)	OIL TYPE CODES
1	/	/	12	9	108	20	/		MS ST CT CV
4	/	/	45	3	135		/		ST CT
5	/	/	76	.5	38		/		TB

COMMENTS:

*Delete oiling box
(all 5 sites. see next page)*

*This assumes that oiling obs were
made on 3/21/89. ~ yes ~ put
9/4/91*

ACE 9961902

ADF&G MULTI-ASSESSMENT FORM
1991 OILING ENTRY CHECKLIST

012

PAGE 12

DATE PRINTED: 08/14/91

STREAM# : 2321010350
SEGMENT#:

SURVEY TYPE : 89 AFHS - BS
DATE: 08/16/89
TIMES: -

LOCATION: NUKA PASSAGE, TONSINA BAY, 4
KM SOUTH OF
TEAM RECORDER:

-- OILING EXTENT --

SITE#	SITE TYPE	DEPTH (cm)	LENGTH (m)	WIDTH (m)	AREA (m)	%	THICK (cm)	PEN (cm)	OIL TYPE CODES
2 3			30	18	540	40			ST OT CV MS

COMMENTS:

ACE 9961903

ADF&G MULTI-ASSESSMENT FORM
1991 OILING ENTRY CHECKLIST

ok

PAGE 1

DATE PRINTED: 08/26/91

STREAM# : 2321010350
SEGMENT# : -0-

SURVEY TYPE : 89 AFHS - BS/57 LOCATION: NUKA PASSAGE, TONSINA BAY, 4
DATE: 08/16/89 KM SOUTH OF
TIMES: 1410 - 1530 TEAM RECORDER: HILL

-- OILING EXTENT --

SITE#	SITE TYPE	DEPTH (cm)	LENGTH (m)	WIDTH (m)	AREA (m)	%	THICK (cm)	PEN (cm)	OIL TYPE CODES
1	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-

COMMENTS:
SITE 1-9. TARBALLS FOUND IN STREAM (6 - 3" X 3", AT WATERS EDGE) ~60-70 YARDS ABOVE MOUTH OF STREAM. MOUSSE FOUND ~150 YARDS UPSTREAM OF THE LARGE ROCK ON THE NORTH SHORE AT MOUTH OF STREAM.

END OF REPORT

ACE 9961904

-15

AFHS

Site 1-9

Front Pt. Crk.

ASC NUMBER: 232-10-10350 SEGMENT NUMBER: None YR CATALOGED:
 LOCATION: Nolea Passage, Tonsina Bay, 4 km South, Front Pt Area
 STREAM NAME: LATITUDE: 59 16 37
 LOCAL STREAM #: LONGITUDE: 150 53 39
 QUADRANGLE: Seldovia B-3 LEGAL:
 SHORELINE TYPE: Beach, Low Lying Rock ALL SEGMENTS: S 10s 10w 25
 WAVE EXPOSURE: High

ASC NUMBER: —
 SURVEY TYPE: BS/SS
 METHOD: FOOT
 DATE: 8/16/89
 START TIME: 1400
 STOP TIME: 1530

TEAM RECORDER: Doug Hill
 OBSERVERS: DAVE vanderbrink
 AGENCY (IES): ADFG, HMAAC Fisheries Rep
 PHOTOS TAKEN? y
 Roll #: 89004022H Frames: 19-28
 VIDEO TAKEN? N Tape Number: ~~89004022H~~
 Counter Start: ~~7~~
 Tide: Flood Slack Ebb

SAMPLES TAKEN? N
 SAMPLE I.D. NUMBERS: 1.
 2.
 3.
 4.
 5.
 6.

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1	SEE 8/16/89 survey						
SITE 2	SEE 8/16/89 survey						
SITE 3	3	2	6	95	2.5	4.5	MS
SITE 4	SEE 8/16/89 survey						
SITE 5	76	.5	38	—	—	—	Tarballs

VERALL OIL IMPACT: M/H

OIL IN STREAM CHANNEL? y

SUBSTRATE

Bedrock 60	Granule
Boulder 30	Sand
Cobble 20	Silt
Pebble	Veget.

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? y

SPECIES	Count			
Pink SALMON	300			

REMARKS:

Don't forget to
 If you haven't
 Already done
 DONA
 And the same
 for the following
 PAGE

These are
 the updated
 forms (for
 Ft. Point
 Doug
 8/29/91)
 i.e., I have divided
 the one form
 between the two
 dates

ACE 9961905

1989 AFHS

Site 13-5

Taroka - NW-most ckr.

ASC NUMBER: 232-10-10435
 LOCATION: 3590A
 SEGMENT NUMBER: BM-5
 YR CATALOGED:
 TEAM NAME:
 LOCAL STREAM #:
 LATITUDE: 59 34 26
 LONGITUDE: 150 12 36
 LEGAL: S 7S 6W13
 USGS QUADRANGLE: Seldovia C-1
 SHORELINE TYPE: Beach
 WAVE EXPOSURE: Mod
 ALL SEGMENTS:

SC NUMBER:
 SURVEY TYPE: SS
 ETHOD: FOOT
 DATE: 9/13/89
 START TIME: 1305
 TOP TIME:
 TEAM RECORDER: Doug Hill
 OBSERVERS: Rick Randall
 AGENCY(IES): ADF+G
 PHOTOS TAKEN? y
 Roll #: 8100H035H
 Frames: 20, 21, 22, 23
 VIDEO TAKEN? y
 Tape Number: 89RDR001HV
 Counter Start: 2858 -> 2867
 2858 -> 2868
 AMPLES TAKEN? N
 SAMPLE I.D. NUMBERS: 1. 2. 3.
 4. 5. 6.

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1							
SITE 2							
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT: N
 OIL IN STREAM CHANNEL? N
 OIL ON BEACH WITHIN 50M OF STREAM MOUTH? ✓

SUBSTRATE

Bedrock	Granule
Boulder	Sand
Cobble 50	Silt
Pebble 50	Veget.

SPECIES	Count				
Pinks	300				

COMMENTS: Sample Site (sample # RDR/DOH-9/3/89-1238) within one mile of Stream 10435. SEE Video 89RDR001H (counter 2820 -> 2857) for footage of ~~sample site~~
 NPS in Seward and the SCAT reported light oiling in the vicinity of this stream in April, MAY + JUNE. 1 cu. yd. of oiled material was removed on 5/16/89 + 2 cu. yd. of oiled material were removed from this area on 5/17/89

①

FISH HABITAT ASSESSMENT FORM

TAROKA ARM - NW most creek

1 REGION: 2 PWS KP, CI 1, 2, 3 3 OBSERVER(S) Doug Hill, Rick Randall

6 SITE NO. 13-5 7 AERIAL PHOTO NO. 22, 23, 24, 25 8 CAT NO. NC

9 STREAM NAME _____ 10 LAT 59° 37' 19" 11 LONG 150° 09' 30"

12 DATE 9/3/89 13 TIME 1305 14 TIDE: Low slack Flood High slack Ebb

15 CATALOGED ANADROMOUS STREAM? Y 16 ANAD. FISH FOUND? N

17 OIL FOUND IN STREAM? Y 18 OIL FOUND NEAR STREAM (1 MI.)? N

19 OIL SAMPLES TAKEN? N 20 ID NOS. RDR/DDH-9/3/89-1238

21 35 mm PICTURES TAKEN? N 22 ROLL NO(S) 89-DDH-35

23 EXPOSURE NO. 24 DESCRIPTION

22, 23 Pinks Dead in isolated pool / Gulls

15, 16 Typical oil found at sample site

17, 18 Oil found subsurface - Excavation otherwise ^{oil-free} dry looking An

19, 21 Typical oil at sample site

20 Location ID photo Stream site 13-5 in background

ACE 9961907

25 VIDEO FOOTAGE TAKEN? N 26 CASSETTE NO(S) 89-RDR-001-H-Vide

27 DESCRIPTION: Video of sample site - within 1 mile of stream site
ND. ¹³⁻⁵ (sample site to NW of 13-5) ~~2816-2853~~ (2816-2853)

Video of general Area ie, Aerial of stream 13-5 ~~(2853-2864)~~
(2853-2864)

ACE 7380410

ANADROMOUS FISH OBSERVATIONS

PINK CHUM RED KING COHO DOLLY

28	Aerial	100 live 200 DEAD						
29	Ground	/						

30 COMMENTS: 200 Dead pinks in isolated pool

Site 13-5

OIL OBSERVATIONS

→ Approx. 200 yards - line of sporadic splatters (1 per 5') of oil at mid-tide level of boulder cobble beach splatters up to 3" diameter.
 - Excavation - 6" square area - surface dry with only a few splashes of oil visible. Upon turning rocks over we found a nearly continuous patch of 1/16" to 1/8" thick mousse

EXTENT OF OIL:

WITHIN STREAM

OUTSIDE STREAM

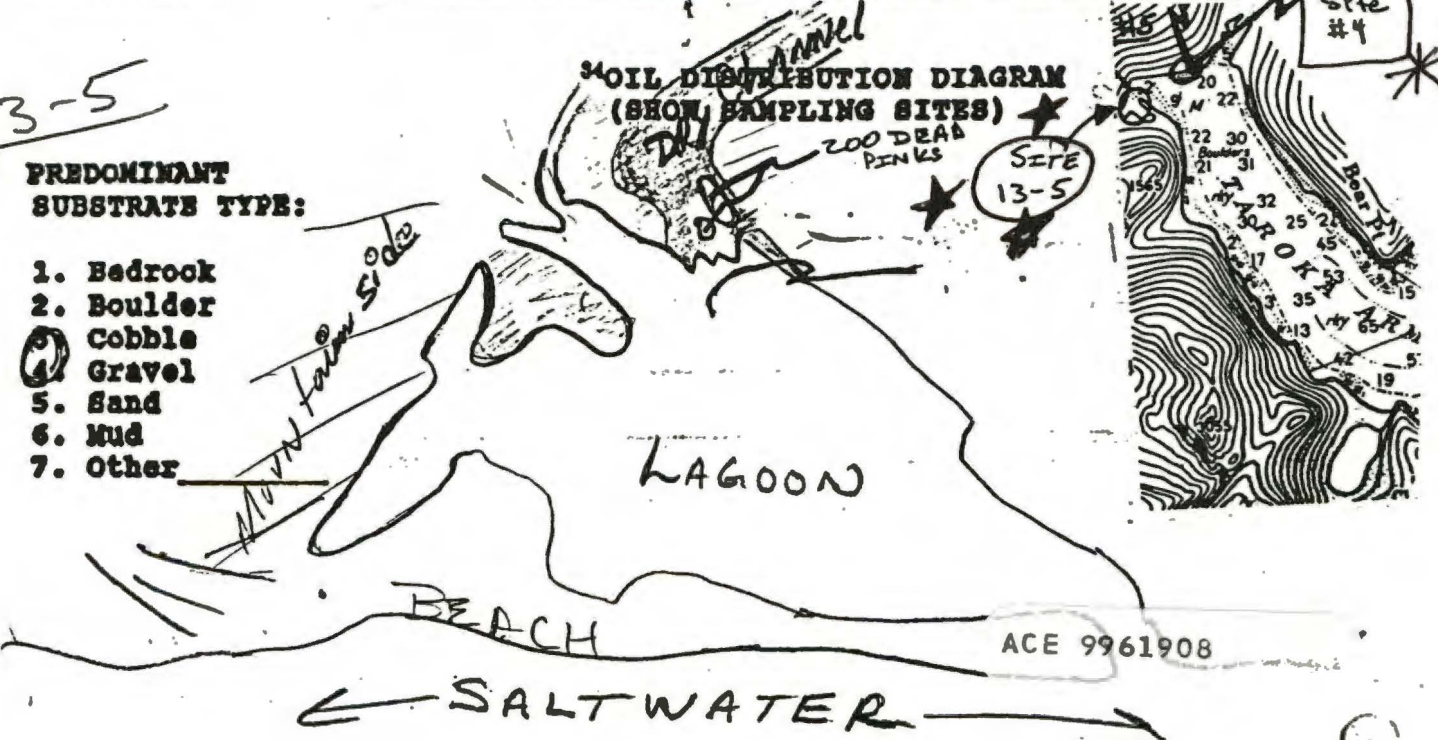
- 31 SURFACE COVERAGE
- 32 SURFACE THICKNESS
- 33 PENETRATION

	None Observed	1 to 3mm
		To 8-10"

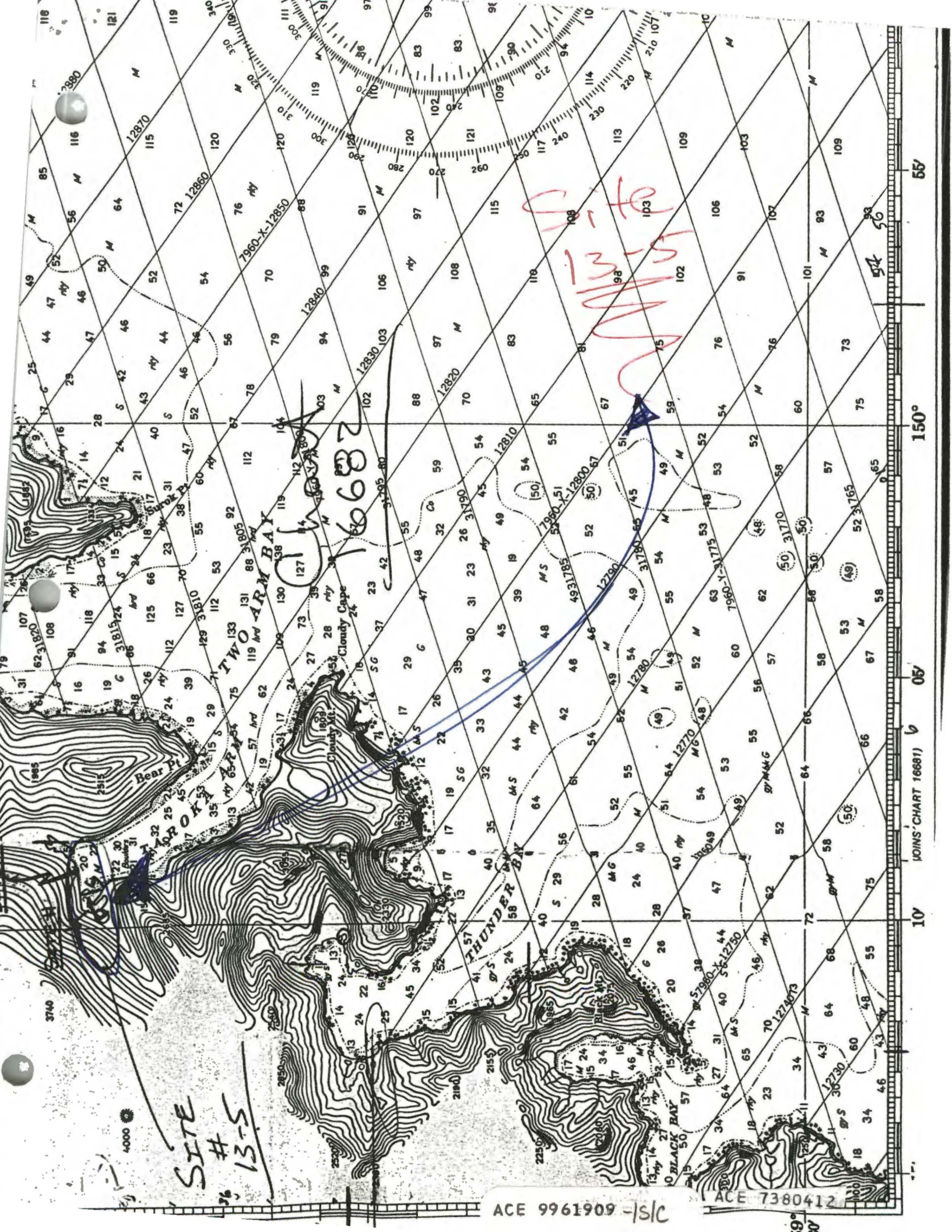
34 PREDOMINANT SUBSTRATE TYPE:

- 1. Bedrock
- 2. Boulder
- 3. Cobble
- 4. Gravel
- 5. Sand
- 6. Mud
- 7. Other

OIL DISTRIBUTION DIAGRAM (SHOW SAMPLING SITES)



35 COMMENTS: Same sample site as that of Stream
Site # 12-3 (see map on site form 12-3)



SITE # 13-S

ACE 9961909 -15C

ACE 7380412

JOINS CHART 16681

55

150

05

10



ADF&G MULTI-ASSESSMENT FORM
1991 GENERAL ENTRY CHECKLIST

STREAM#: 2321010350
SEGMENT: -0-

PAGE 7

DATE PRINTED: 06/21/91

LOCATION: NUKA PASSAGE, TONSINA BAY, 4 KM SOUTH OF

SURVEY TYPE: 90 PRE SCREEN - SS

METHOD: GROUND

DATE: 04/25/90

TEAM RECORDER: HILL

START TIME: 1118

OBSERVERS: DUDIAK

END TIME: 1237

OG/HAB DISCREPANCIES: -

AGENCY: FG

PHOTOS TAKEN: Y

STATION: 2321010350

ROLL#: ?? 9000H07H 9000H08H
↓ ↓
FRAME: -0- 25 1-6

VIDEO TAKEN: N

TAPE#: -0-

START: -0-

END: -0-

SAMPLES TAKEN: N

SAMPLE NUMBERS: -0-

-0-

-0-

-0-

-0-

-0-

OIL IN STREAM BED: Y

OVERALL OIL IMPACT: -0-

OIL ON BEACH BY MOUTH: Y

WAVE EXPOSURE: HIGH

SHORELINE TYPE: HEADLAND BEACH

SUBSTRATE TYPE: BEDROCK 60 BOULDER 30 COBBLE 20 VEGETAT -0-

GRAVEL -0- SAND -0- MUD/SILT -0- GRANULE -0-

ANADROMOUS FISH PRESENT: N

SPECIES: -0-

COUNT: -0-

-0-

-0-

-0-

-0-

-0-

-0-

-0-

-0-

ACE 9961910 + K/P

ADF&G MULTI-ASSESSMENT FORM
1991 OILING ENTRY CHECKLIST



PAGE 8

DATE PRINTED: 06/21/91

STREAM# : 2321010350
SEGMENT# : -0-

SURVEY TYPE : 90 PRE SCREEN - SS LOCATION: NUKA PASSAGE, TONSINA BAY, 4
DATE: 04/25/90 KM SOUTH OF
TIMES: 1118 - 1237 TEAM RECORDER: HILL

-- OILING EXTENT --

SITE#	SITE TYPE	DEPTH (cm)	LENGTH (m)	WIDTH (m)	AREA (m)	%	THICK (cm)	PEN (cm)	OIL TYPE CODES
1	-0-	-0-	100	60	6000	50	<1.5	<1	ST CT CV MS
2	-0-	-0-	99	9	-0-	80	<.5	-0-	ST CT CV

COMMENTS:

BOTH PINK SALMON & DOLLY VARDEN OBSERVED IN THIS STREAM IN 1989; FREQUENTLY OBSERVED BALD EAGLES ROOSTING STREAM SIDE. MUCH OF THE OIL PRESENT IS VISIBLE AS EITHER COAT OR COVER - IT CAN BE SCRATCHED OFF - SHINEY AND LIGHT CHOCOLATE BROWN TO DARK BROWN BENEATH THE SURFACE. SITE 1-9 OF 1989, AFHA. *Tide pods have sheen on surface*
OIL ON STREAM BANKS: TES

ASC NUMBER: 232-10-10350 SEGMENT NUMBER: YR CATALOGED:
 LOCATION: KPOC-Nuka Bay-1st Major Valley South of Touina Bay
 STREAM NAME: Front Point Ck LATITUDE: 59 16 37
 KOTAK K-UNIT: LOCAL STREAM #: LONGITUDE: 150 53 39
 USGS QUADRANGLE: Seldovia B-3 LEGAL:
 SHORELINE TYPE: Headland, Beach ALL SEGMENTS:
 WAVE EXPOSURE: High

SC NUMBER: TEAM RECORDER: Doug Hill
 SURVEY TYPE: Pre-screening OBSERVERS: Norma Dudiak
 METHOD: Foot AGENCY(IES): ADF + G
 DATE: 4/25/90 PHOTOS TAKEN? Yes
 START TIME: 1119 Roll #: Frames:
 STOP TIME: 1237 VIDEO TAKEN? No Tape Number:
 Counter Start:

SAMPLES TAKEN? No
 SAMPLE I.D. NUMBERS: 1. 2. 3.
 4. 5. 6.

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1	100 m	60 m		50%	< 1.5 cm	< 1 cm	ST, CT, CV, M
SITE 2	99 m	19 m		90%	< .5 cm	—	ST, CT, CV
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT: L-M
 OIL IN STREAM CHANNEL? N
 OIL ON BEACH WITHIN 50M OF STREAM MOUTH? Y

SUBSTRATE

Bedrock 40%	Granule
Boulder 30%	Sand
Cobble 30%	Silt
Pebble	Veget.

SPECIES					
COUNT					

COMMENTS: (See comments on MAD form)
 transfer

SEE 1990 field log

Site 1-9 of 1989 AFNA

ACE 9961912 +15

GROUP A

ADF&G MULTI-ASSESSMENT DATA FORM

PRE-SCREENING

1 SURVEY TYPE: BS DS TS AVS SCHA MMS PTA

2 REGION: PWS K, AP

METHOD: Aerial Boat

3 DATE: 4/25/90 15 HIGH TIDE TIMES: 1

21 TEAM RECORDER: Doug Hill

4 START TIME: 1118 16 HIGH TIDE HTS: 1

22 OBSERVERS: NORMA Dudial

5 STOP TIME: 1237 17 LOW TIDE TIMES: 0830, 1

23 AGENCY: ADF&G

6 SEGMENT: none designated 18 LOW TIDE HTS: 3.3, 1

24 PHOTOS TAKEN: N

7 STATION #: 19 TIDE HT AT SURVEY:

Roll #: Frames:

8 K-UNIT: Ebb Slack Slack

25 VIDEO TAKEN: Y TAPE: Starts: Ends:

9 STAT AREA: 232-10 20 USCG QUAD: Seldovia B-3

10 LAT: 59°16'40" 11 LONG: 150°53'20"

26 SAMPLES TAKEN? Y Number

12 SOURCE: Loran
13 LOCATION: AFS# 232-10-10350
14 DESCRIPTION: 1st MAJOR Valley South of Tonsina Bay - 2 miles South of Long Island in Tonsina Bay
EXTENT OF OIL
Oil _____
Sediment _____
Biological _____
Water _____

	SHORELINE				STREAM			
	L	W	M ²	S	L	W	M ²	S
27 SURFACE COVERAGE								
28 SURFACE THICKNESS								
29 PENETRATION								
30 OVERALL OIL IMPACT:	N	VL	<input checked="" type="radio"/> L	<input checked="" type="radio"/> N	H			

36 CATALOGED ANAD. FISH STREAM? N

37 CATALOG #: 232-10-10350

38 STREAM NAME: "FRONT Point" Crk.

39 OIL IN STREAM BED? N

40 OIL ON STREAM BANKS? N

41 OIL ON BEACH ADJACENT TO MOUTH? N (within 50 meters)

42 OIL WITHIN 1 MILE OF STREAM? Y N?
Did not survey on either side of mouth.

31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain

32 OILED DEBRIS? Y N

33 SHORELINE TYPE: Headland Low-lying Rocks Beach Cove Lagoon Marsh

43 ANADROMOUS FISH PRESENT? Y None observed

34 WAVE EXPOSURE: High Moderate Low

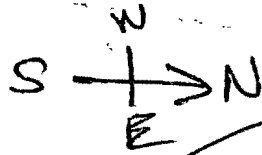
44 ANADROMOUS FISH OBSERVATION
Species Aerial Ground

35 SUBSTRATE TYPE: Bedrock 40 Boulder 30 Cobble 30
Gravel Sand Mud/silt

Species	Aerial	Ground

COMMENTS: BOTH Pink Salmon & Dolly Varden observed in this stream in 1989; Frequently observed BALD Eagles roosting streamside

STAIN cover and coat observed over an ~~100~~ approximately 50 x 100 meter Area



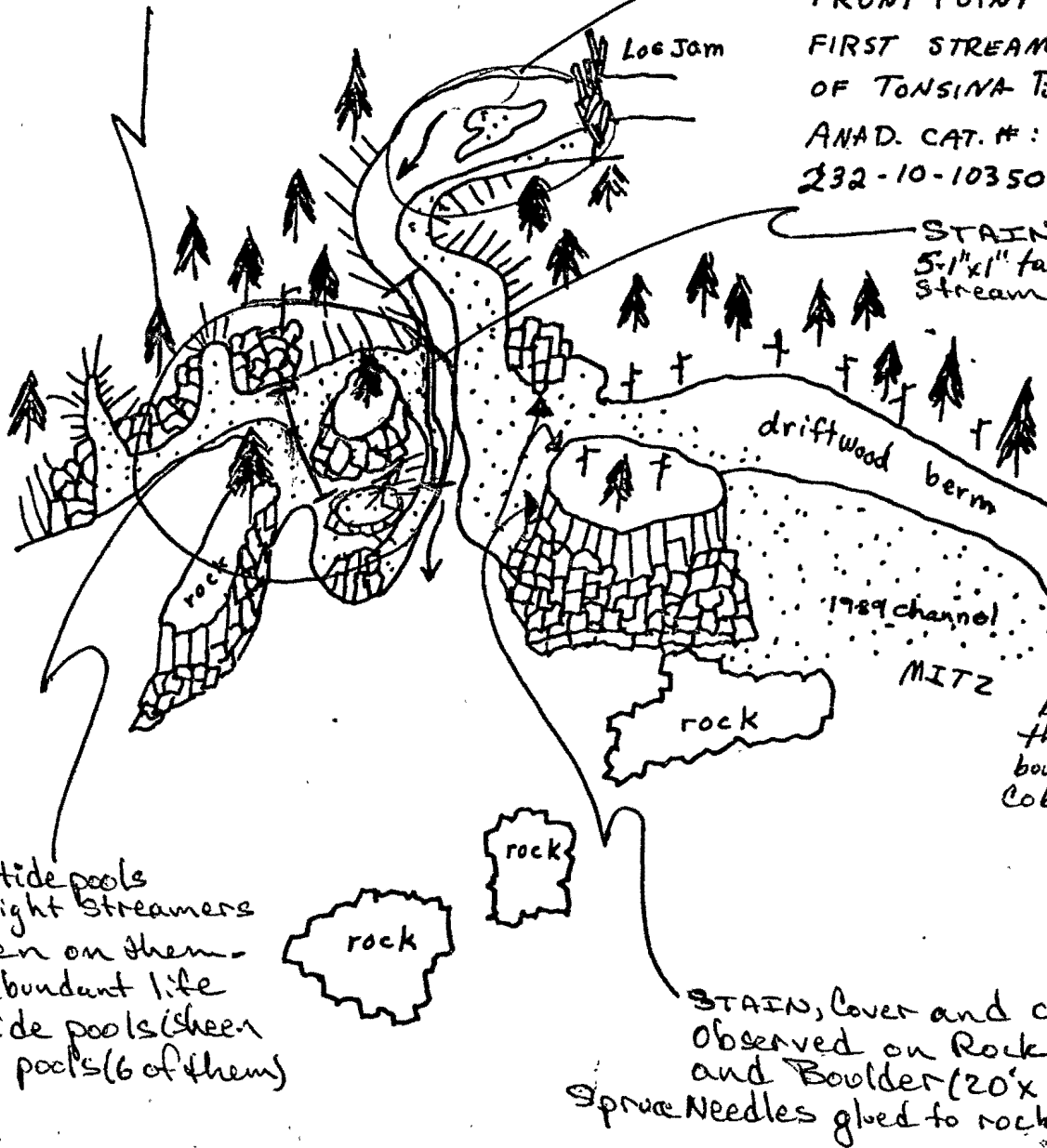
oiled debris (plastic, buoy, etc.)

FRONT POINT

FIRST STREAM SOUTH OF TONSINA BAY

ANAD. CAT. #:

232-10-10350



★ Much of the thick pooled oil observed in 1989 has either been removed or has descended to spaces between and under the numerous boulders and large cobbles.

★ Small tide pools with light streamers of sheen on them - very abundant life in tide pools (sheen on all pools (6 of them))

STAIN, cover and coat observed on Rock Face and Boulder (20' x 30' AREA) Spruce Needles glued to rocks (cement → oil)

NUKA PASSAGE

— Much of the oil present is visible as either coat or cover — it can be scratched off — shiny and light chocolate brown to dark brown beneath the surface

45 PHOTO LOG

FRAME(S)

Description

ROLL 900H07H

25

Oil Stain VS. Black Lichen. Oil has spruce needles.
Distinction was not readily clear

ROLL 900H08H

1

SAME AS FRAME 25 above.

2

Oil sheen on tide pool - south shore mouth of creek.
oil sheen on nearly all tide pools

3

oil stain/CT/LV on bedrock - typical at mouth of creek

4

Another tide pool / ANOTHER sheen

5

Heavy covering of oil-crusty outer layer - dark brown +
shiny w/in

6

Heavy coating of oil

ACE 9961915

GROUP A

PRE-screening

ADF&G MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: BS SS DS TS AVS SCVA MMS PTA 2 REGION: PMS K, AP

METHOD: Aerial Ground Boat

3 DATE: 4/25/90 15 HIGH TIDE TIMES: 1

21 TEAM RECORDER: Doug Hill

4 START TIME: 1118 16 HIGH TIDE HTS: 1

22 OBSERVERS: Norma Dudial

5 STOP TIME: 1237 17 LOW TIDE TIMES: 0830, 1

23 AGENCY: ADF&G

6 SECHENT: none designated 18 LOW TIDE HTS: -3.3, 1

24 PHOTOS TAKEN: Y N

7 STATION #: TIDE HT AT SURVEY:

Roll #: 9000HOBAH 25 Frames: 1-6

8 K-UNIT: Ebb Slack Flood Slack

25 VIDEO TAKEN: Y TAPES:

9 STAT AREA: 232-10 20 USCG QUAD: Seldovia B-3

Starts Ends

10 LAT: 59° 16' 40" 11 LONG: 150° 53' 20"

26 SAMPLES TAKEN: Y N Number

12 SOURCE: Map Loran

Oil _____
Sediment _____
Biological _____
Water _____

13 LOCATION: AFS# 232-10-10350

14 DESCRIPTION: 1st MAJOR Valley South of Tongass Bay - 2 miles South of Long Island in Tongass Bay

EXTENT OF OIL

36 CATALOGED ANAD. FISH STREAM? Y N

37 CATALOG #: 232-10-10350

38 STREAM NAME: "FRONT POINT" CRK.

SHORELINE				STREAM			
L	W	M ²	N	L	W	M ²	N

27 SURFACE COVERAGE

39 OIL IN STREAM BED? Y N

28 SURFACE THICKNESS

39 OIL ON STREAM BANKS? Y N

29 PENETRATION

40 OIL ON BEACH ADJACENT TO MOUTH? Y N (within 50 meters)

30 OVERALL OIL IMPACT: N VL M H

41 OIL WITHIN 1 MILE OF STREAM? Y N
did not survey one on either side of mouth

31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain

32 OILED DEBRIS: Y N

33 SHORELINE TYPE: Headland Low-lying rocks Beach Cove Lagoon Marsh

42 ANADROMOUS FISH PRESENT? Y N
None observed

34 WAVE EXPOSURE: High Moderate Low

43 ANADROMOUS FISH OBSERVATION

35 SUBSTRATE TYPE: Bedrock 20 Boulder 20 Cobble 20

Species Aerial Ground

Gravel Sand Mud/silt

COMMENTS: BOTH Pink Salmon & Dolly Varden observed in this Stream in 1989; Frequently observed BALD Eagles roosting streamside

ACE 9961916-15

ASC NUMBER: 232-10-10350 SEGMENT NUMBER:
 LOCATION: KPOC-Nodka Bay- 1st Major Valley South of Tongva Bay
 STREAM NAME: Front Point Crk
 DIAK K-UNIT: LOCAL STREAM #:
 USGS QUADRANGLE: Seldovia B-3
 SHORELINE TYPE: Headland Beach
 WAVE EXPOSURE: High

YR CATALOGED:

LATITUDE: 59 16 37
 LONGITUDE: 150 53 39
 LEGAL:

ALL SEGMENTS:

ASC NUMBER:
 SURVEY TYPE: Pre-Screening
 METHOD: Foot
 DATE: 4/25/90
 START TIME: 1119
 STOP TIME: 1237

TEAM RECORDER: Doug Hill
 OBSERVERS: Norma Dudiak
 AGENCY(IES): ADF&G
 PHOTOS TAKEN? Yes
 Roll #: Frames:
 VIDEO TAKEN? No Tape Number:
 Counter Start:

SAMPLES TAKEN? No
 SAMPLE I.D. NUMBERS: 1.
 2.
 3.
 4.
 5.
 6.

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1	130	18	540	25	<1.5cm	<1cm	ST, CT, CV, MS
SITE 2	119	16	108	10	<.5cm	—	ST, CT, CV
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT: 4M

OIL IN STREAM CHANNEL? N
 SUBSTRATE

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? Y

Bedrock	60%	Granule
Boulder	30%	Sand
Cobble	20%	Silt
Pebble		Veget.

SPECIES					
COUNT					

COMMENTS: See comments on MAD form

ACE 9961917 +B/S/G

GROUP A

PRE-SCREENING

ADFG MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: BS DS TS AVS SCHA WHIS PTA 2 REGION: PWS K, AP

METHOD: Aerial Ground Boat

3 DATE: 4/25/90 15 HIGH TIDE TIMES: 1

21 TEAM RECORDER: Doug Hill

4 START TIME: 1118 16 HIGH TIDE HTS: 1

22 OBSERVERS: NORMA Dudial

5 STOP TIME: 1237 17 LOW TIDE TIMES: 0830, 1

23 AGENCY: ADF&G

6 SECTANT: None designated 18 LOW TIDE HTS: -3.3 1

24 PHOTOS TAKEN: N

7 STATION #: 19 TIDE HT AT SURVEY:

Roll #: 9000H07H 25
9000H08H Frames: 1-6

8 K-UNIT: Ebb Slack Flood Slack

25 VIDEO TAKEN: Y TAPE#:

9 STAT AREA: 232-10 20 USCG QUAD: Seldovia B-3

Starts: Ends:

10 LAT: 59°16'40" 11 LONG: 150°53'20"

26 SAMPLES TAKEN? Y Number

12 SOURCE: Map Loran

OIL

13 LOCATION: AFS # 232-10-10350

Sediment

14 DESCRIPTION: 1ST MAJOR Valley South of Tonsina Bay - 2 miles South of Long Island in Tonsina Bay
EXTENT OF OIL

Biological

Water

27 SURFACE COVERAGE

	SHORELINE				STREAM			
	L	W	M ²	%	L	W	M ²	%
27 SURFACE COVERAGE								
28 SURFACE THICKNESS								
29 PENETRATION								

36 CATALOGED ANAD. FISH SREAM? N

28 SURFACE THICKNESS

37 CATALOG #: 232-10-10350

29 PENETRATION

38 STREAM NAME: "FRONT Point" Cnk.

30 OVERALL OIL IMPACT: N VL L M H

39 OIL IN STREAM BED? N

31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain

40 OIL ON STREAM BANKS? N

32 OILED DEBRIS? Y N

41 OIL ON BEACH ADJACENT TO MOUTH? N
(within 50 meters)

33 SHORELINE TYPE: Headland Low-lying Rocks Beach Cove
 Lagoon Marsh

42 OIL WITHIN 1 MILE OF STREAM? Y N?
Did not survey one on either side of mouth.

34 WAVE EXPOSURE: High Moderate Low

43 ANADROMOUS FISH PRESENT? Y
None observed

35 SUBSTRATE TYPE: Bedrock 60 Boulder 20 Cobble 20

44 ANADROMOUS FISH OBSERVATION

Gravel Sand Mud/silt

Species Aerial Ground

Species	Aerial	Ground

COMMENTS: BOTH Pink Salmon & Dolly Varden observed in this stream in 1989; Frequently observed BALD Eagles roosting streamside

45 PHOTO LOG

FRAME(S)

Description

ROLL 9000H07H

25

Oil Stain VS. Black Lichen. Oil has spic' needles.
Distinction was not readily clear

ROLL 9000H08H

1

SAME AS FRAME 25 above.

2

oil sheen on tide pool - south shore mouth of creek.
oil sheen on nearly all tide pools

3

oil stain/CT/LV on bedrock - typical at mouth of creek

4

another tide pool / ANOTHER sheen

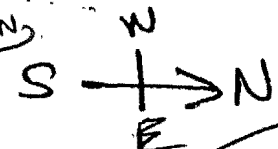
5

Heavy covering of oil-crusty outer layer - dark brown +
shiny w/in

6

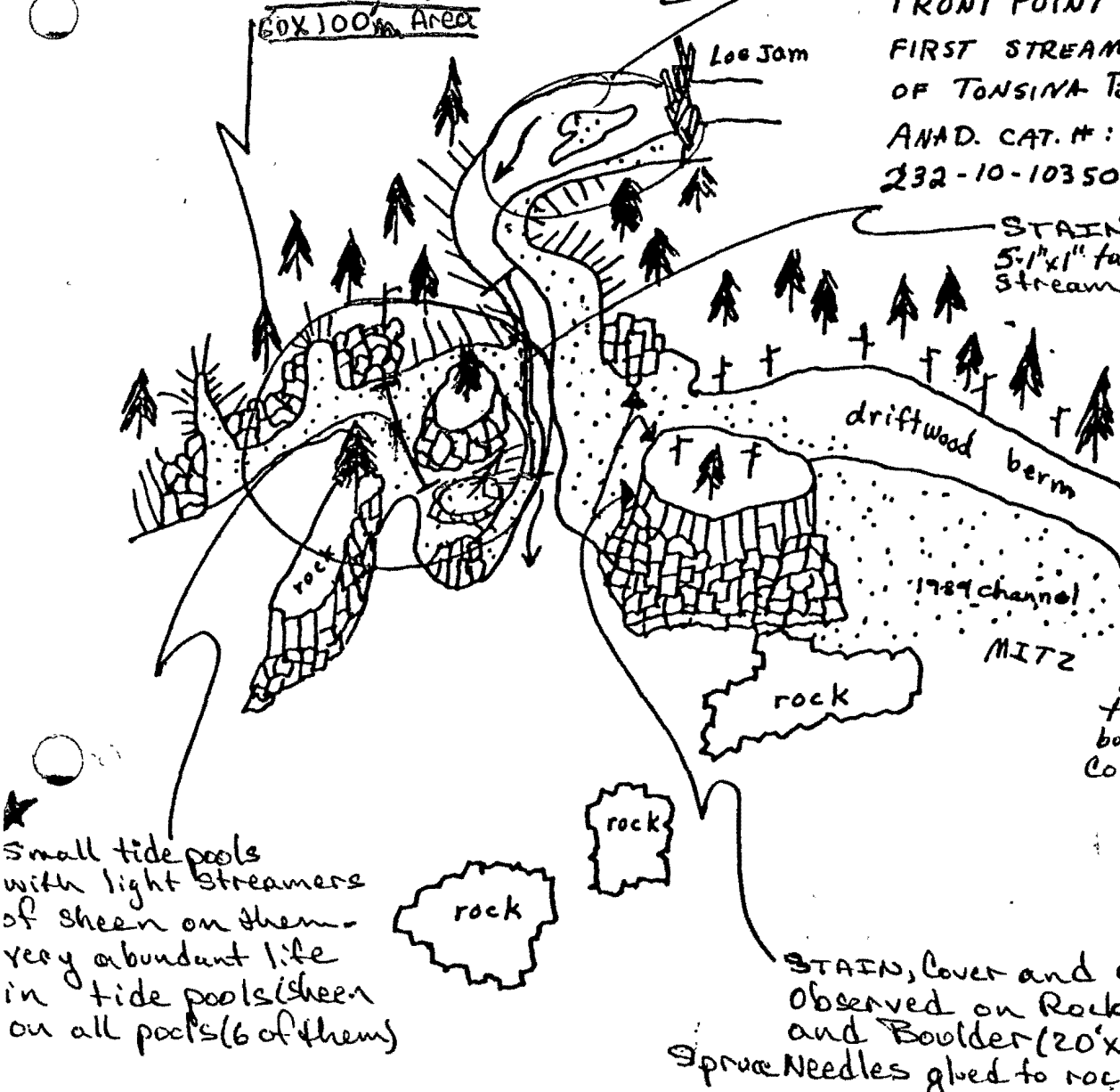
Heavy coating of oil

Staining
 STAIN cover and coat observed on
 over ~~over~~ approximately
 60 x 100' ~~Area~~ Area



oiled debris (plastics, buoys)

FRONT POINT
 FIRST STREAM SOUTH
 OF TONSINA BAY
 ANAD. CAT. #:
 232-10-10350



★ Much of the thick pooled oil observed in 1989 has either been removed or has descended to spaces between and under the numerous boulders and large cobbles.

★ Small tide pools with light streamers of sheen on them - very abundant life in tide pools (sheen on all pools (6 of them))

STAIN, cover and coat observed on Rock Face and Boulder (20' x 30' AREA)
 Spruce Needles glued to rocks (cement → oil)

NUKA PASSAGE

— Much of the oil present is visible as either coat or cover — it can be scratched off shiny and light chocolate brown to dark brown beneath the surface.

ACE 9961920

GROUP A

ADF&G MULTI-ASSESSMENT DATA FORM

PRE-screening

1 SURVEY TYPE: BS SS DS TS AVS SCHA MMS PTA 2 REGION: PWS KP, CI K, AP

METHOD: Aerial Ground Boat

3 DATE: 4/25/90 15 HIGH TIDE TIMES: 1 21 TEAM RECORDER: Doug Hill

4 START TIME: 1118 16 HIGH TIDE HTS: 1 22 OBSERVERS: NORMA Dudiak

5 STOP TIME: 1237 17 LOW TIDE TIMES: 0830 23 AGENCY: ADF&G

6 SEGMENT #: None designated 18 LOW TIDE HTS: -3.3 24 PHOTOS TAKEN: Y N

7 STATION #: _____ 19 TIDE HT AT SURVEY: _____ Roll #: _____ Frames: _____

8 K-UNIT: _____ Ebb Slack Flood Slack 25 VIDEO TAKEN: Y N TAPE#: _____

9 STAT AREA: 232-10 20 USCG QUAD: Seldovia B-3 Start: _____ Ends: _____

10 LAT: 59°16'40" 11 LONG: 150°53'20" 26 SAMPLES TAKEN? Y N Number

12 SOURCE: Map Loran Oil _____

13 LOCATION: AFS# 232-10-10350 Sediment _____

14 DESCRIPTION: 1ST MAJOR Valley South of Tonsina Bay - 2 miles South of Long Island in Tonsina Bay Biological _____

EXTENT OF OIL

12 SOURCE: Map Loran 36 CATALOGED ANAD. FISH SREAM? N

13 LOCATION: AFS# 232-10-10350 37 CATALOG #: 232-10-10350

14 DESCRIPTION: 1ST MAJOR Valley South of Tonsina Bay - 2 miles South of Long Island in Tonsina Bay 38 STREAM NAME: "FRONT Point" Crk.

15 HIGH TIDE TIMES: 1 39 OIL IN STREAM BED? Y N

16 HIGH TIDE HTS: 1 40 OIL ON STREAM BANKS? Y N

17 LOW TIDE TIMES: 0830 41 OIL ON BEACH ADJACENT TO MOUTH? Y N (within 50 meters)

18 LOW TIDE HTS: -3.3 42 OIL WITHIN 1 MILE OF STREAM? Y N? Did not survey one on either side of mouth.

19 TIDE HT AT SURVEY: _____ 43 ANADROMOUS FISH PRESENT? Y N

20 USCG QUAD: Seldovia B-3 44 ANADROMOUS FISH OBSERVATION None observed

21 TEAM RECORDER: Doug Hill Species Aerial Ground

22 OBSERVERS: NORMA Dudiak

23 AGENCY: ADF&G

24 PHOTOS TAKEN: Y N

25 VIDEO TAKEN: Y N TAPE#: _____

26 SAMPLES TAKEN? Y N Number

27 SURFACE COVERAGE

28 SURFACE THICKNESS

29 PENETRATION

30 OVERALL OIL IMPACT: N VL L M H

31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain

32 OILED DEBRIS? Y N

33 SHORELINE TYPE: Headland Low-lying Rocks Beach Cove Lagoon Marsh

34 WAVE EXPOSURE: High Moderate Low Revised in '91

35 SUBSTRATE TYPE: Bedrock 60 Boulder 30 Cobble 20 Gravel _____ Sand _____ Mud/silt _____

COMMENTS: BOTH Pink Salmon & Dolly Varden observed in this Stream in 1989; Frequently observed BALD Eagles roosting Streamside

ACE 9961921 →

ACE 1940687

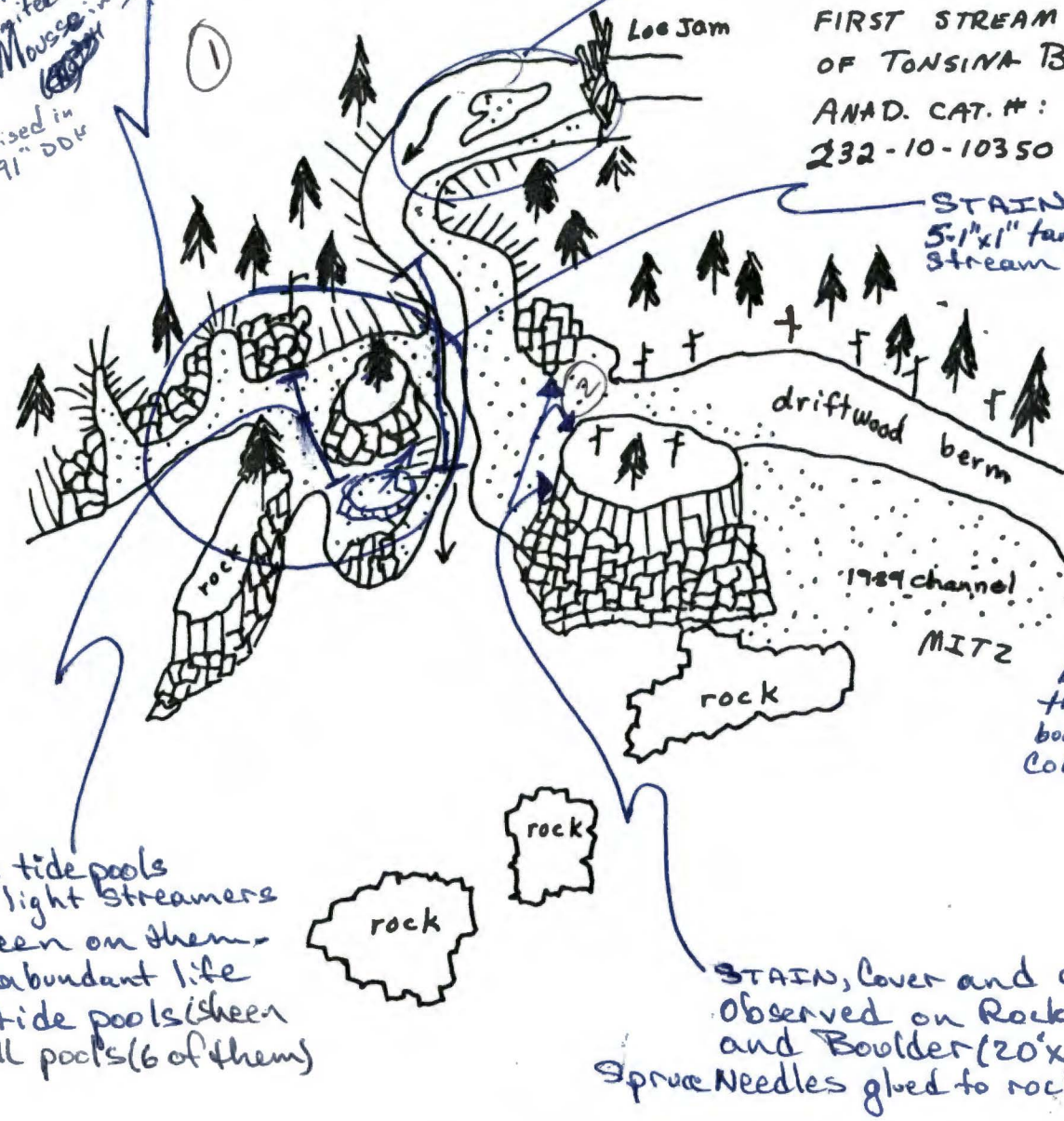
STAIN cover and coat observed over an approximately 50 x 100 meter Area



oiled debris (plastics, buoys)

Lighted Mouse traps
Revised in '91 DOH

FRONT POINT
FIRST STREAM SOUTH OF TONSINA BAY
ANAD. CAT. #: 232-10-10350



STAIN and 5.1"x1" tarball within stream bed

★ Much of the thick pooled oil observed in 1989 has either been removed or has descended to spaces between and under the numerous boulders and large cobbles.

★ Small tide pools with light streamers of sheen on them - very abundant life in tide pools (sheen on all pools (6 of them))

STAIN, cover and coat observed on Rock Face and Boulder (20' x 30' AREA) Spruce Needles glued to rocks (cement ⇒ oil)

NUKA PASSAGE

- Much of the oil present is visible as either coat or cover - it can be scratched off - shiny and light chocolate brown to dark brown beneath the surface.

ACE 9961922 -/L/P/SS/HK

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