

ADF&G MULTI-ASSESSMENT FORM
1991 GENERAL ENTRY CHECKLIST

10/4/91
DDAH



OK

STREAM#: 2321010330
SEGMENT:

PAGE 2

DATE PRINTED: 08/14/91

LOCATION: NUKA PASSAGE, PETROF POINT, ~~3 M SOUTHEAST OF~~ *A River, Petrof Glacier Drainage*

SURVEY TYPE: ~~89AFHS~~ ^{89 AHFS} - BS ⁵⁹⁸

METHOD: GROUND ~~FOOT~~ ^{FOOT}

DATE: 07/21/89

TEAM RECORDER: HILL

START TIME: 1855
END TIME: 1920

OBSERVERS: GLENN

TIDES: **HIGH**
OG/HAB DISCREPANCIES:

AGENCY: FG

PHOTOS TAKEN: Y

STATION: 2321010330

ROLL#: 89DDH008H
FRAME: 03-08

VIDEO TAKEN: N TAPE#:
START: END:

SAMPLES TAKEN: Y

SAMPLE NUMBERS: ? ? ~~LOG DDH 7/21/89~~ 1900

89LPG004H

Doug, we have only the 1400 sample. (89LPG004H)

Correct

the 1400 hr. time in the sample log is incorrect the correct time is

OIL IN STREAM BED: N

OIL ON BEACH BY MOUTH: Y

OVERALL OIL IMPACT: L

WAVE EXPOSURE: HIGH

SHORELINE TYPE: BEACH

SUBSTRATE TYPE: BEDROCK

BOULDER

COBBLE

VEGETAT

GRAVEL

SAND ⁷⁰

MUD/SILT ³⁰

GRANULE

ANADROMOUS FISH PRESENT: **Y**

SPECIES: *Chum*

COUNT: *150*

Put discs set in only binder if you made these - can't find discs
★
SAMPLE 1900 hrs is correct
89LPG004H is Arch #
10/4/91 DDAH

ADF&G MULTI-ASSESSMENT FORM
1991 GENERAL ENTRY CHECKLIST

10/4/91
DDH



OK

STREAM#: 2321010330
SEGMENT:

PAGE 2

DATE PRINTED: 08/14/91

LOCATION: *★ River, Petrof Glacier Drainage*
NUKA PASSAGE, PETROF POINT, 3 M SOUTHEAST OF

SURVEY TYPE: *89 AHFS* 89AHFS - BS *528* METHOD: GROUND FOOT

DATE: 07/21/89 TEAM RECORDER: HILL

START TIME: 1855 OBSERVERS: GLENN
END TIME: 1920

TIDES: *HIGH* AGENCY: FG
OG/HAB DISCREPANCIES:

STATION: 2321010330 ROLL#: 89DDH008H
FRAME: 03-08

VIDEO TAKEN: N TAPE#:
START: END:

SAMPLES TAKEN: Y

SAMPLE NUMBERS: ? ? *LOG DDH 7/21/89 1900* ← *the 1400 sample.*
Does we have only the 1400 sample.
(89LPG004H)
Correct
the 1400 hr. time in the sample log is incorrect the correct time is

OIL IN STREAM BED: N
OIL ON BEACH BY MOUTH: Y

OVERALL OIL IMPACT: L

WAVE EXPOSURE: HIGH SHORELINE TYPE: BEACH

SUBSTRATE TYPE: BEDROCK BOULDER COBBLE VEGETAT
GRAVEL SAND *70* MUD/SILT *30* GRANULE

ANADROMOUS FISH PRESENT: *Y*

SPECIES: *Chum* COUNT: *150*

ADF&G MULTI-ASSESSMENT FORM
1991 OILING ENTRY CHECKLIST

ole

PAGE 3

DATE PRINTED: 08/14/91

STREAM# : 2321010330
SEGMENT#:

SURVEY TYPE : 89AFHS - BS/SS LOCATION: NUKA PASSAGE, PETROF POINT,
DATE: 07/21/89 3 M SOUTHEAST OF
TIMES: 1855 - 1920 TEAM RECORDER: HILL

-- OILING EXTENT --

SITE#	SITE TYPE	DEPTH (cm)	LENGTH (m)	WIDTH (m)	AREA (m)	%	THICK (cm)	PEN (cm)	OIL TYPE CODES
1			183 4	.25	46	50	<4		TB

COMMENTS:

SITE 1-8. OBSERVED A CONTINUOUS LINE OF ½" TO 3" DIAMETER TARBALLS (<1½" THICK) FOR 200 YARDS (183M) ALONG BEACH/SAND SPIT AT MOUTH OF RIVER. THIS LINE OF TARBALLS CONTINUED ON OUT OF VISUAL RANGE - BEYOND THE 200 YARDS SURVEYED. THESE TARBALLS APPEAR TO BE BALLS OF SAND CEMENTED BY BLACK OIL. PHIL BRUDIE (LOCAL SEINE FISHERMAN) WAS IN THE PETROF AREA WHEN THE OIL ARRIVED. PHIL STATES STATES THAT OIL WASHED ASHORE ON THE SW BAND OF THE ISLAND JUST ABOVE THE RIVER OUTLET. LEE AND I TRIED TO FIND OIL IN THIS AREA DESCRIBED BUT WERE UNSUCCESSFUL. CHUM SALMON OBSERVED AT WEST END OF PETROF LAGOON AMONG FINGERS OF LAGOON. 3/4 OF THE LAGOON FILLED WITH GLACIAL SILT MAKING A COMPLETE SURVEY IMPOSSIBLE. NOTE: (6/26/91) - SEE 4/12/90 PETROF RIVER SURVEY - SOME OF THE OIL DESCRIBED BY PHIL BRUDIE WAS LOCATED.

ACE 9961634 #15



1989 AFHS

Site 1-8

Petrof River

ASC NUMBER: 232-10-10330 SEGMENT NUMBER: NONE
 LOCATION: Nuka Passage, WEST shore, Petrof Glacier Drainage
 STREAM NAME: Petrof River
 KODIAK K-UNIT: LOCAL STREAM #:
 6'S QUADRANGLE: Seldovia B-3
 SHORELINE TYPE: BEACH
 WAVE EXPOSURE: High

YR CATALOGED:
 LATITUDE: 59 21 11
 LONGITUDE: 150 50 34
 LEGAL: 59S 9W32

ALL SEGMENTS:

ASC NUMBER:
 SURVEY TYPE: BS
 METHOD: Ground
 DATE: 7/21/89
 START TIME: 1855
 STOP TIME: 1920

TEAM RECORDER: Doug Hill
 OBSERVERS: Lee Glenn

AGENCY(IES): ADF46

PHOTOS TAKEN? Y
 Roll #: 89DDH08 Frames: 3,4,5,6,7,8
 VIDEO TAKEN? Tape Number:
 Counter Start:

SAMPLES TAKEN?

SAMPLE I.D. NUMBERS: 1. ~~1. LAG/BBH-7/21/89-1900~~
 2.
 3.
 4.
 5.

we have only the 1900 sample.
1400 on Chemdata is incorrect
The Coc & Chemdata should be 1900hr samples

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1	183+*	.25	46	50	<4	—	TARBALLS
SITE 2							
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT: L

OIL IN STREAM CHANNEL?

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? Yes

SUBSTRATE

Bedrock
 Boulder
 Cobble
 Pebble

Granule
 Sand 70
 Silt 30
 Veget.

SPECIES	Chum				
COUNT	150				

* Observed a continuous line of 1/2" to 3" diameter tarballs (<1/2" thick) for 200 yds (183m) along beach/sand spit at mouth of River. This line of tarballs continued on out of visual range - beyond the 200 yds surveyed. These tarballs appear to be balls of sand cemented by black oil.

Phil Brudie (local seine fisherman) was in the Petrof area when the oil arrived. Phil states that oil washed ashore on the SW bank of the island just above the river outlet. Lee & I tried to find oil in this area described but were unsuccessful.

ACE 99616354/5

Chum salmon observed at west end of Petrof Lagoon - among fingers of lagoon. 3/4 of the lagoon filled with glacial silt making a complete survey impossible.

NOTE (6/26/91) => See 4/12/90 Petrof River survey - some of the oil described by Phil Brudie (above) was located.

Petrof River

FISH HABITAT ASSESSMENT FORM

1 REGION: 2 PWS 3 KP, CI 4 [circled] 5 OBSERVER(S) Doug Hill, Lee Glynn

6 SITE NO. 1-B 7 AERIAL PHOTO NO. 3 8 CAT NO. 232-10 10330

9 STREAM NAME Petrof River 10 LAT . . . 11 LONG . . .

12 DATE 7/21/89 13 TIME 1900 14 TIDE: Low slack Flood High slack Ebb

15 CATALOGED ANADROMOUS STREAM? [X] N 16 ANAD. FISH FOUND? [X] N

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

19 OIL SAMPLES TAKEN? [X] N 20 ID NOS. Petrof Spit-LPG/DDH-7/21/89-1900

21 35 MM PICTURES TAKEN? [X] N 22 ROLL NO(S). 89-DDH-008

23 EXPOSURE NO. 24 DESCRIPTION

- 4 Sample #1-LPG/DDH-7/21/89-1900. SAND contaminated by oil
- 5 SAME AS 4
- 6 Location ID photos were along length of beach
- 7,8 SAME AS 6.
- 3 Aerial of River Mouth + Lagoon. Spit at mouth is where oil sample taken.

25 VIDEO FOOTAGE TAKEN? Y [X] 26 CASSETTE NO(S).

27 DESCRIPTION: ACE 9961636-15 1

ANADROMOUS FISH OBSERVATIONS

PINK CHUM RED KING COHO DOLLY

28	Aerial	150						
29	Ground							

30 COMMENTS: Chum observed at West End of Petrof Lagoon - Amongst fingers/bays of lagoon. 3/4 of lagoon was filled with ^{Chum} Silty water (unable to make visual observation)

OIL OBSERVATIONS

Site 1-8

EXTENT OF OIL:

	WITHIN STREAM	OUTSIDE STREAM
31 SURFACE COVERAGE	None	Continuous line of 1/2 to 3" diameter tarball
32 SURFACE THICKNESS	Observed	1/2" to 1 1/2" thick tarballs
33 PENETRATION		None observed on this survey

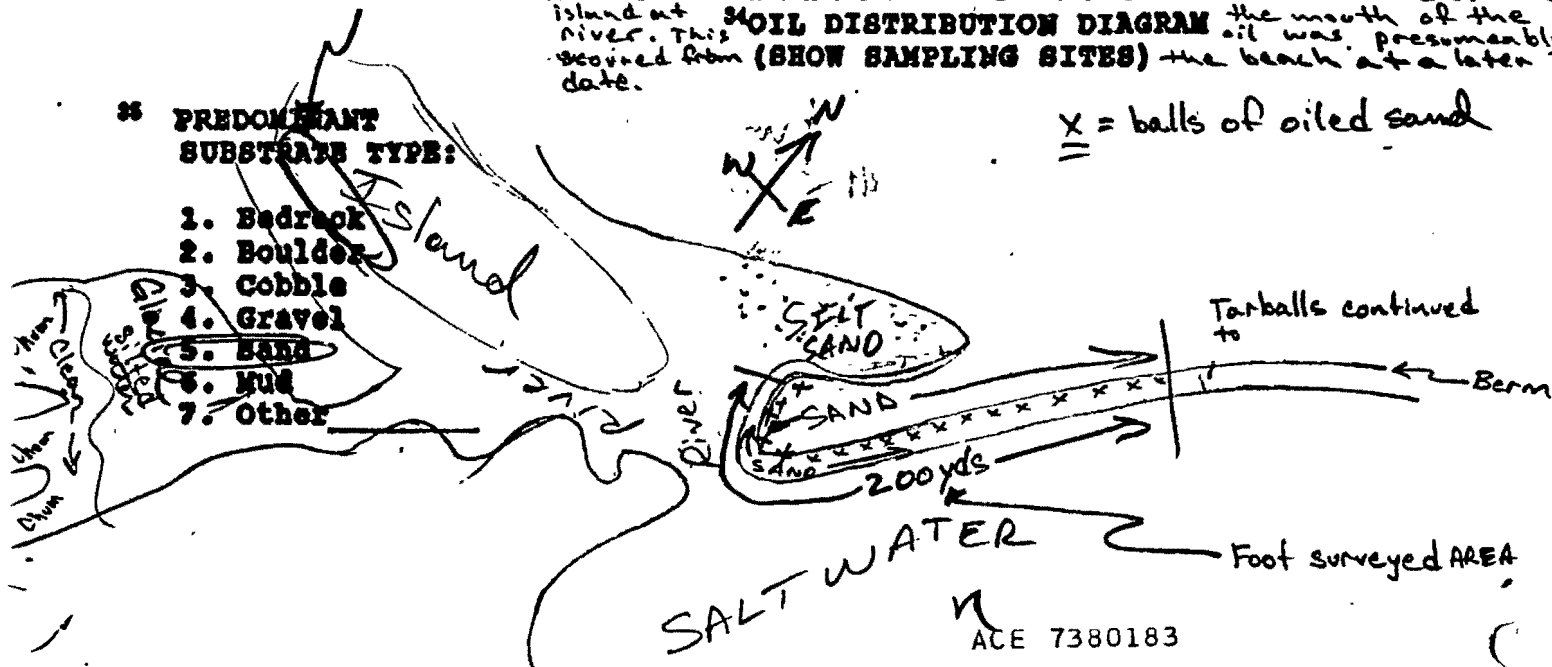
Phil Brodie (local Homer fisherman) was in the Petrof Area when the oil arrived - claims that oil washed ashore on the SW shore of the island at the mouth of the river. This oil was presumably scoured from the beach at a later date.

OIL DISTRIBUTION DIAGRAM (SHOW SAMPLING SITES)

x = balls of oiled sand

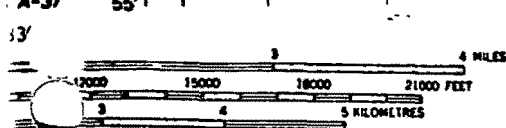
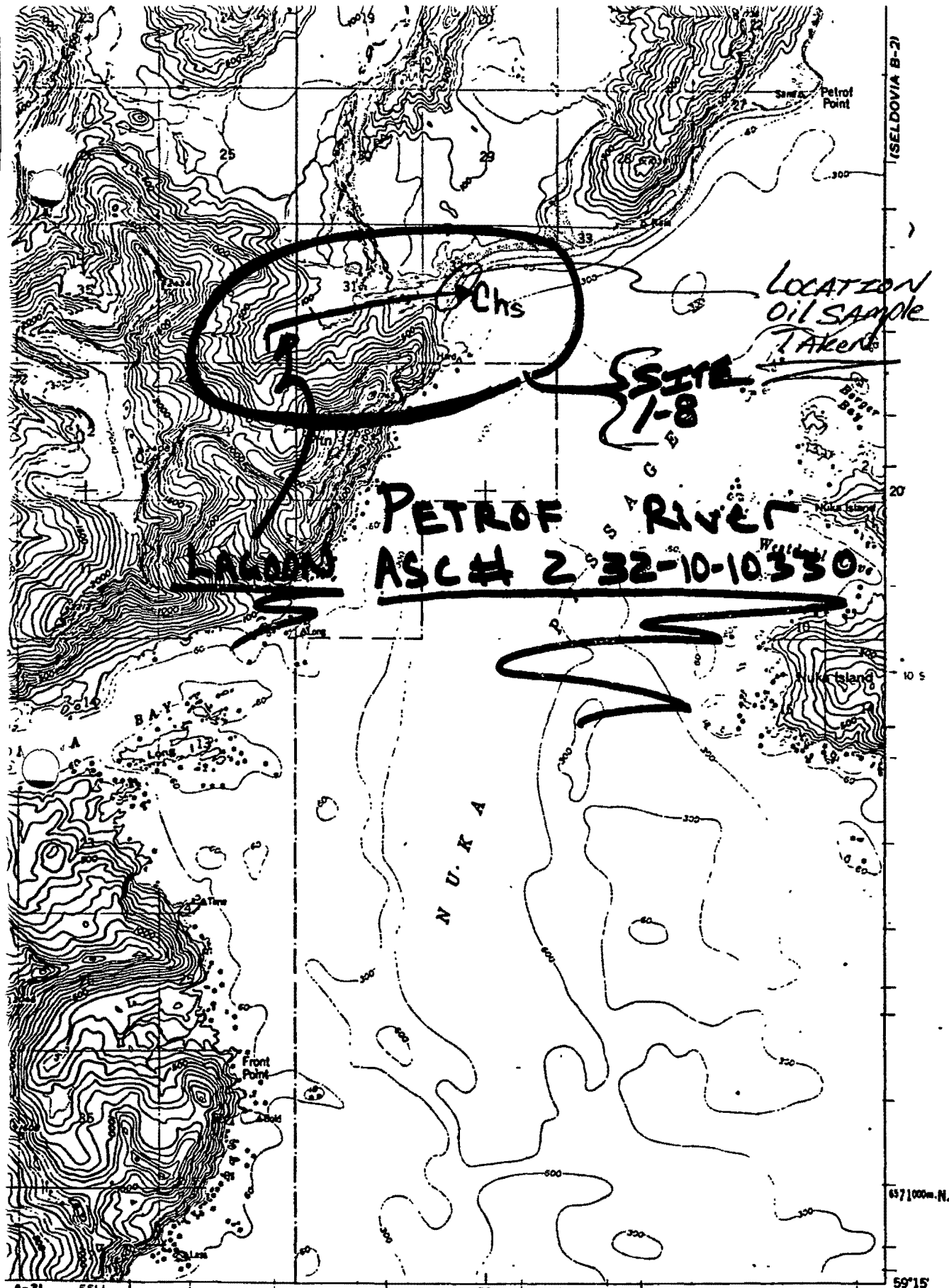
35 PREDOMINANT SUBSTRATE TYPE:

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



ACE 7380183

36 COMMENTS: TARBALLS (BALLS of SAND cemented together by oil - black oil)



100 FEET
 5 FOOT CONTOURS
 MEAN LOWER LOW WATER
 MEAN LINE OF MEAN HIGH WATER
 APPROXIMATELY 90 FEET



QUADRANGLE LOCATION

ROAD CLASSIFICATION
 No roads or trails in this area

ACE 7380184

SELDOVIA (B-3), ALASKA
 N5915-W1545/15X22.5

GEOLOGICAL SURVEY
 RESTON, VIRGINIA 22092

1989 AFHS

Site 1-8

Petrof River

ASC NUMBER: 232-10-10330 SEGMENT NUMBER: NONE YR CATALOGED: ~~1989~~
 LOCATION: Nuka Passage, WEST Shore, Petrof Glacier Drainage
 TEAM NAME: Petrof River LOCAL STREAM #: LATITUDE: 59 21 11
 KODIAK K-UNIT: USGS QUADRANGLE: Seldovia B-3 LONGITUDE: 150 50 34
 SHORELINE TYPE: BEACH ALL SEGMENTS: LEGAL: 59S 9W32
 WAVE EXPOSURE: High

ASC NUMBER:
 SURVEY TYPE: BS
 METHOD: Ground
 DATE: 7/21/89
 START TIME: 1855
 STOP TIME: 1920

TEAM RECORDER: Doug Hill
 OBSERVERS: Lee Glenn
 AGENCY (IES): ADF46
 PHOTOS TAKEN? Y
 Roll #: 89DDH08 Frames: 3,4,5,6,7,8
 VIDEO TAKEN? ✓ Tape Number:
 Counter Start:

ADAF
10/9/91

SAMPLES TAKEN?
 SAMPLE I.D. NUMBERS: 1. LAG/SAND-7/21/89-1900 2.
 4. 5. 3. 6.

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1	183 + *	.25	46	50	<4	—	TARBALLS
SITE 2							
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT: L

OIL IN STREAM CHANNEL? N

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? Yes

SUBSTRATE

Bedrock	Granule
Boulder	Sand 70
Cobble	Silt 30
Pebble	Veget.

SPECIES	Chum				
COUNT	150				

COMMENTS: * Observed a continuous line of 1/2" to 3" diameter tarballs (<1/2" thick) for 200 yds (183m) along beach/sand spit at mouth of River. This line of tarballs continued on but of visual range - beyond the 200 yds surveyed. These tarballs appear to be balls of sand cemented by black oil

Phil Brudie (local seine fisherman) was in the Petrof area when the oil arrived. Phil states that oil washed ashore on the SW bank of the island just above the river outlet. Lee & I tried to find oil in this area described but were unsuccessful.

ACE 9961637 +/S

Chum salmon observed at west end of Petrof Lagoon - among fingers of lagoon. 3/4 of the lagoon filled with glacial silt making a complete survey impossible.

NOTE (6/26/91) => See 4/12/90 Petrof River survey - some of the oil described by Phil Brudie (above) was located.

Petrof River

FISH HABITAT ASSESSMENT FORM

1 REGION: 2 PWS KP, CI AD 3 OBSERVER(S) Doug Hill, Lee Glynn

6 SITE NO. 1-B 7 AERIAL PHOTO NO. 3 8 CAT NO. 232-10
10330

9 STREAM NAME Petrof River 10 LAT 11 LONG

12 DATE 7/21/89 13 TIME 1900 14 TIDE: Low slack Flood High slack Ebb

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

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

19 OIL SAMPLES TAKEN? N 20 ID NOS. Petrof Spit - LPG/DDH-7/21/89-1900

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

23 EXPOSURE NO.	24 DESCRIPTION
<u>4</u>	<u>Sample # = LPG/DDH-7/21/89-1900. SAND cemented by oil</u>
<u>5</u>	<u>SAME as 4</u>
<u>6</u>	<u>Location ID photo - view along length of beach</u>
<u>7, 8</u>	<u>SAME AS 6.</u>
<u>3</u>	<u>Aerial of River Mouth + Lagoon. Spit at mouth is where oil sample taken</u>

25 VIDEO FOOTAGE TAKEN? Y N 26 CASSETTE NO(S) ACE 9961638 (1)

27 DESCRIPTION: _____

ANADROMOUS FISH OBSERVATIONS

PINK CHUM RED KING COHO DOLLY

28	Aerial	150						
29	Ground							

30 COMMENTS: Chum observed at West End of Petrof Lagoon - Amongst Fingers/Bays of lagoon. 3/4 of Lagoon was filled with ^{Gravel/silt} Silty water, unable to make visual observation.

OIL OBSERVATIONS

EXTENT OF OIL:

WITHIN STREAM OUTSIDE STREAM

31 SURFACE COVERAGE
32 SURFACE THICKNESS
33 PENETRATION

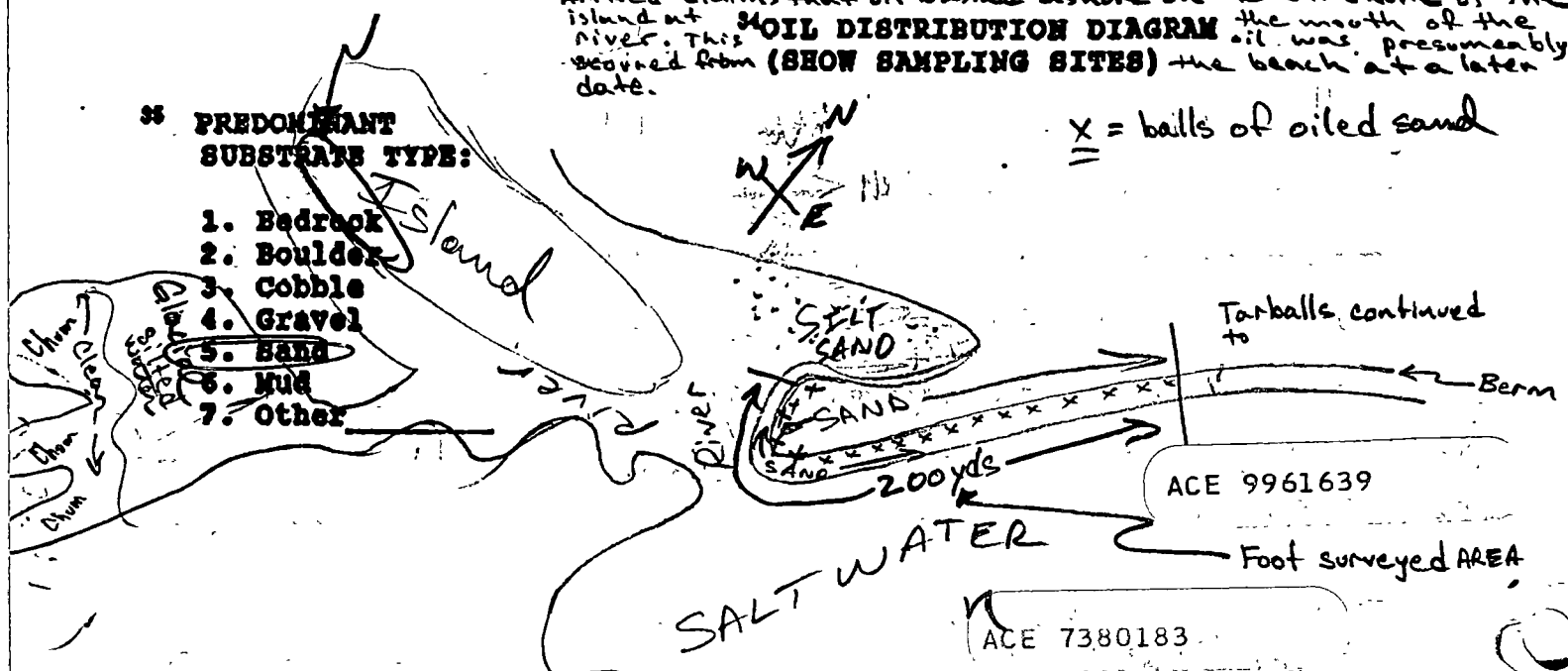
31 SURFACE COVERAGE	NONE	Continuous line of 1/2 to 3" diameter tarball
32 SURFACE THICKNESS	Observed	1/2" to 1 1/2" thick tarballs
33 PENETRATION		were observed on this survey

Phil Brodie (Local-Homer Fisherman) was in the Petrof Area when the oil arrived - claims that oil washed ashore on the SW shore of the island at the mouth of the river. This oil was, presumably scoured from the beach at a later date. **OIL DISTRIBUTION DIAGRAM (SHOW SAMPLING SITES)**

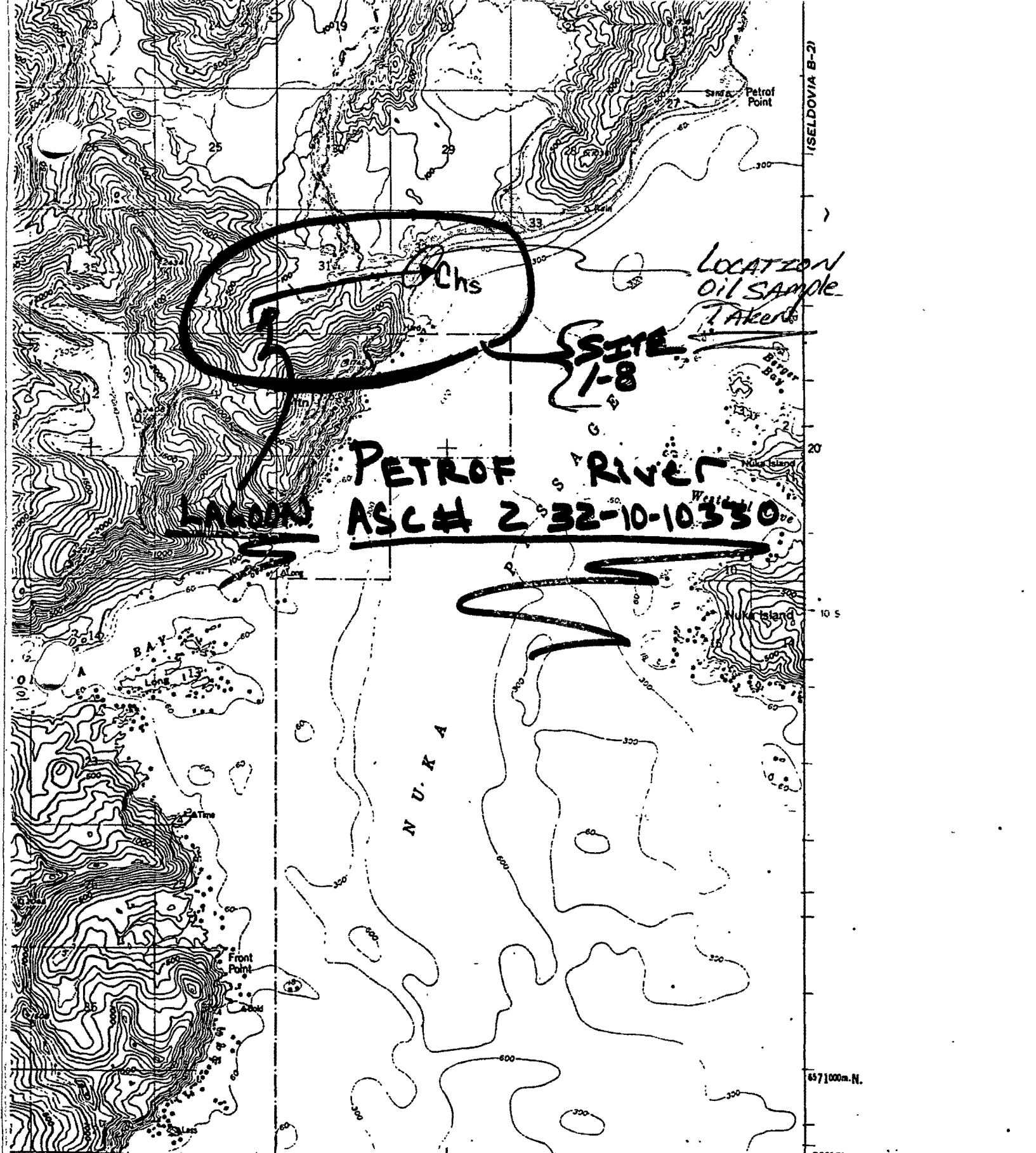
35 PREDOMINANT SUBSTRATE TYPE:

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

x = balls of oiled sand



36 COMMENTS: TARBALLS (BALLS of SAND cemented together by oil - black oil)



(SELDOVIA B-2)

SITE 1-8

LOCATION OIL SAMPLE TAKEN

PETROF RIVER LAGOON ASC# 2 32-10-10330

N. U. K. A.

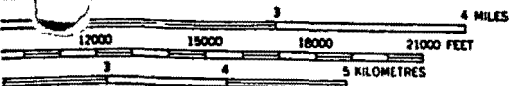
6571000m. N.

59°15'

INTERNAL-GEOLOGICAL SURVEY, RESTON, VIRGINIA-1973

628000m. E.

150°45'



VAL 100 FEET
 1 50 FOOT CONTOURS
 TICAL DATUM OF 1929
 IS MEAN LOWER LOW WATER
 INDICATE LINE OF MEAN HIGH WATER
 IS APPROXIMATELY 10 FEET



QUADRANGLE LOCATION

ROAD CLASSIFICATION ACE 9961640-151P
 No roads or trails in this area

ACE 7380184

SELDOVIA (B-2), ALASKA

NR915-W15045/15X22.6

ADF&G MULTI-ASSESSMENT FORM
1991 GENERAL ENTRY CHECKLIST

STREAM#: 2321010330
SEGMENT: -0-

PAGE 2

DATE PRINTED: 06/21/91

LOCATION: NUKA PASSAGE, PETROF POINT, 3 M SOUTHEAST OF

SURVEY TYPE: 90 PRE SCREEN - SS

METHOD: GROUND

DATE: 04/12/90

TEAM RECORDER: HILL

START TIME: 1250

OBSERVERS: MCLANE

END TIME: 1324

OG/HAB DISCREPANCIES: -

AGENCY: FG

PHOTOS TAKEN: Y

STATION: 2321010330

ROLL#: 90DDH002H

FRAME: 24-~~34~~ 34

VIDEO TAKEN: N

TAPE#: -0-

START: -0-

END: -0-

SAMPLES TAKEN: Y

SAMPLE NUMBERS: ~~??~~ *DOH/sm- 4/12/90-1310* -0-

-0-

-0-

*do not have any sample
taken 4/13/90 at 1310 -y
Petrof in Chem lab.
need COC.*

OIL IN STREAM BED: Y

OVERALL OIL IMPACT: VL

OIL ON BEACH BY MOUTH: Y

WAVE EXPOSURE: MOD

SHORELINE TYPE: BEACH

SUBSTRATE TYPE: BEDROCK -0- BOULDER -0- COBBLE -0- VEGETAT -0-

GRAVEL 20 SAND 60 MUD/SILT 20 GRANULE -0-

ANADROMOUS FISH PRESENT: N

SPECIES: -0-

COUNT: -0-

-0-

-0-

-0-

-0-

-0-

-0-

-0-

-0-

ACE 9961641⁺/S/P

ADF&G MULTI-ASSESSMENT FORM
1991 OILING ENTRY CHECKLIST



PAGE 2

DATE PRINTED: 06/21/91

STREAM# : 2321010330
SEGMENT# : -0-

SURVEY TYPE : 90 PRE SCREEN - SS LOCATION: NUKA PASSAGE, PETROF POINT,
DATE: 04/12/90 3 M SOUTHEAST OF
TIMES: 1250 - 1324 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-	27	.30	8.1	80	<3.8	-0-	AP
2	-0-	-0-	3	7.3	-0-	100	<5	-0-	AP
3	-0-	-0-	5.5	2.5	-0-	80	<5	-0-	AP
4	-0-	-0-	9	-0-	-0-	70	-0-	-0-	TB

ADF&G MULTI-ASSESSMENT FORM
1991 OILING ENTRY CHECKLIST



PAGE 3

DATE PRINTED: 06/21/91

COMMENTS:

OIL OBSERVED APPROXIMATELY 600 YARDS ABOVE MOUTH OF RIVER - FOUND ON NORTH SHORE AT POINT WHERE RIVER BENDS NORTH (LOOKING UPSTREAM). BROKEN TARMATS. HARD OUTER CRUST FRIABLE WITHIN/SATURATED SEDIMENT. OIL FOUND COVERING LAST YEARS GRASS ON 2-3" HIGH BANK. FOUND WITHIN $\frac{1}{2}$ MILE OF CHUM AND PINK SPAWNING LAGOON. PHIL BRUDIE (LOCAL FISHERMAN) OBSERVED THIS OIL WHEN IT LANDED ON THE BANK OF PETROF RIVER. COULD EASILY BE SHOVELED AND BAGGED. ANADSCAT RECOMMENDED.

OIL ON STREAM BANKS: YES

OIL WITHIN 1 MILE OF STREAM: YES, WITHIN CHANNEL, ON BANK 90 DEGREE BEND JUST ABOVE RIVER MOUTH

ACE 9961643-15



ASC NUMBER: 232-10-10330 SEGMENT NUMBER: None YR CATALOGED:
 LOCATION: KP OC-Nuka Passage
 STREAM NAME: Petrof River LATITUDE: 59 21 11
 OODIAK K-UNIT: LOCAL STREAM #: LONGITUDE: 150 50 34
 U.S. GS QUADRANGLE: Seldovia B-3 LEGAL:
 SHORELINE TYPE: Beach ALL SEGMENTS:
 WAVE EXPOSURE: Moderate

ASC NUMBER: ?
 SURVEY TYPE: Pre-Screening
 METHOD: Foot
 DATE: 4/12/90
 START TIME: 1250
 STOP TIME: 1324

TEAM RECORDER: Doug Hill
 OBSERVERS: Susan McHane
 AGENCY(IES): ADF&G
 PHOTOS TAKEN? Yes
 Roll #: 9000H02H Frames: 24 → 33
 VIDEO TAKEN? NO Tape Number:
 Counter Start:

SAMPLES TAKEN?
 SAMPLE I.D. NUMBERS: 1. 00H/SM-4/12/90-1310 2.
 4. 5.

3.
 6.

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1	27m	.30m		80%	<3.8cm	—	AP
SITE 2	3m	7.3m		100%	<5cm	—	AP
SITE 3	5.5m	2.5m		80%	<5cm	—	AP
SITE 4	19m	—		70%			T.B
SITE 5							

OVERALL OIL IMPACT: VL

OIL IN STREAM CHANNEL? y
 SUBSTRATE

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? y

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

SPECIES					
COUNT					

COMMENTS: SEE 90 MAD comments (comment section & Diagram section)

Site 1-8 of 1989 AFHA

ACE 9961644 +15

Group B

ADF&G MULTI-ASSESSMENT DATA FORM

Pre-screening

1 SURVEY TYPE: BS DS TS AVS SCHA MMS PTA
 2 REGION: PWS (K,P,C) K,AP
 METHOD: ~~Boat~~ Ground Boat
 3 DATE: 4/12/90 15 HIGH TIDE TIMES: 3:15AM
 4 START TIME: 1250 16 HIGH TIDE HTS: 13.01
 5 STOP TIME: 1324 17 LOW TIDE TIMES: 0949
 6 SEGMENT #: None designated 18 LOW TIDE HTS: -0.81
 7 STATION #: _____ 19 TIDE HT AT SURVEY: low
 8 K-UNIT: _____ Ebb Slack Flood Slack
 9 STAT AREA: 232-10 20 USCG QUAD: _____
 10 LAT: 59° 21' 22" 11 LONG: 150° 50' 58"

21 TEAM RECORDER: Doug Hill
 22 OBSERVERS: Susan McLane
 23 AGENCY: ADFE: G
 24 PHOTOS TAKEN: Y N
 Roll #: 90 DDH + D7-H Frame: 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34.
 25 VIDEO TAKEN: Y N TAPE#: _____
 Start: _____ End: _____
 26 SAMPLES TAKEN? Y N Number

12 SOURCE: Map Loran
 13 LOCATION: AFS 232-10-10330
 14 DESCRIPTION: South stream below Petrof Glacier

Oil ~~Sediment~~ 1 (No OPE)
 Sediment # DDH/Sm-4/12/90-1310
 Biological we do not have this sample in our Ch. metadata. Do you have COC?
 Water

EXTENT OF OIL

	SHORELINE				STREAM			
	L	W	M ²	%	L	W	M ²	%
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
 35 SUBSTRATE TYPE: Bedrock _____ Boulder _____ Cobble _____
 Gravel 20% Sand 60 Mud/silt 20%

36 CATALOGED ANAD. FISH SREAM? Y N
 37 CATALOG #: 232-10-10330
 38 STREAM NAME: Petrof River
 39 OIL IN STREAM BED? Y N
 40 OIL ON STREAM BANKS? Y N
 41 OIL ON BEACH ADJACENT TO MOUTH? Y N
 (within 50 meters)
 42 OIL WITHIN 1 MILE OF STREAM? Y N
 Within Channel.
 Where: ON BANK / 90° bend just above river mouth.
 43 ANADROMOUS FISH PRESENT? Y N
 44 ANADROMOUS FISH OBSERVATION
 Species Aerial Ground

COMMENTS: Oil observed approximately 600 yds above mouth of River - Found on North Shore at point where river bends North (looking upstream). Broken tar-mats. Hard outer crust friable within/saturated sediment. Oil found covering last years grass on 2"-3" high bank. Found within 1/4 mile of Chum and Pink Spawning lagoon

Local fisherman → Phil & Brudie observed this oil when it land on the bank of Petrof River

ACE 1955637

ACE 9961645

OVER

FRAME(S)

DESCRIPTION

24, 25

Depicts tar mat line (portion of tar mat)

26, 27

Depicts oil covering vegetation/SAMPLE location

28

Susan Milane (ADF46) observing oiled vegetation/overview of Area

29

Oiled vegetation

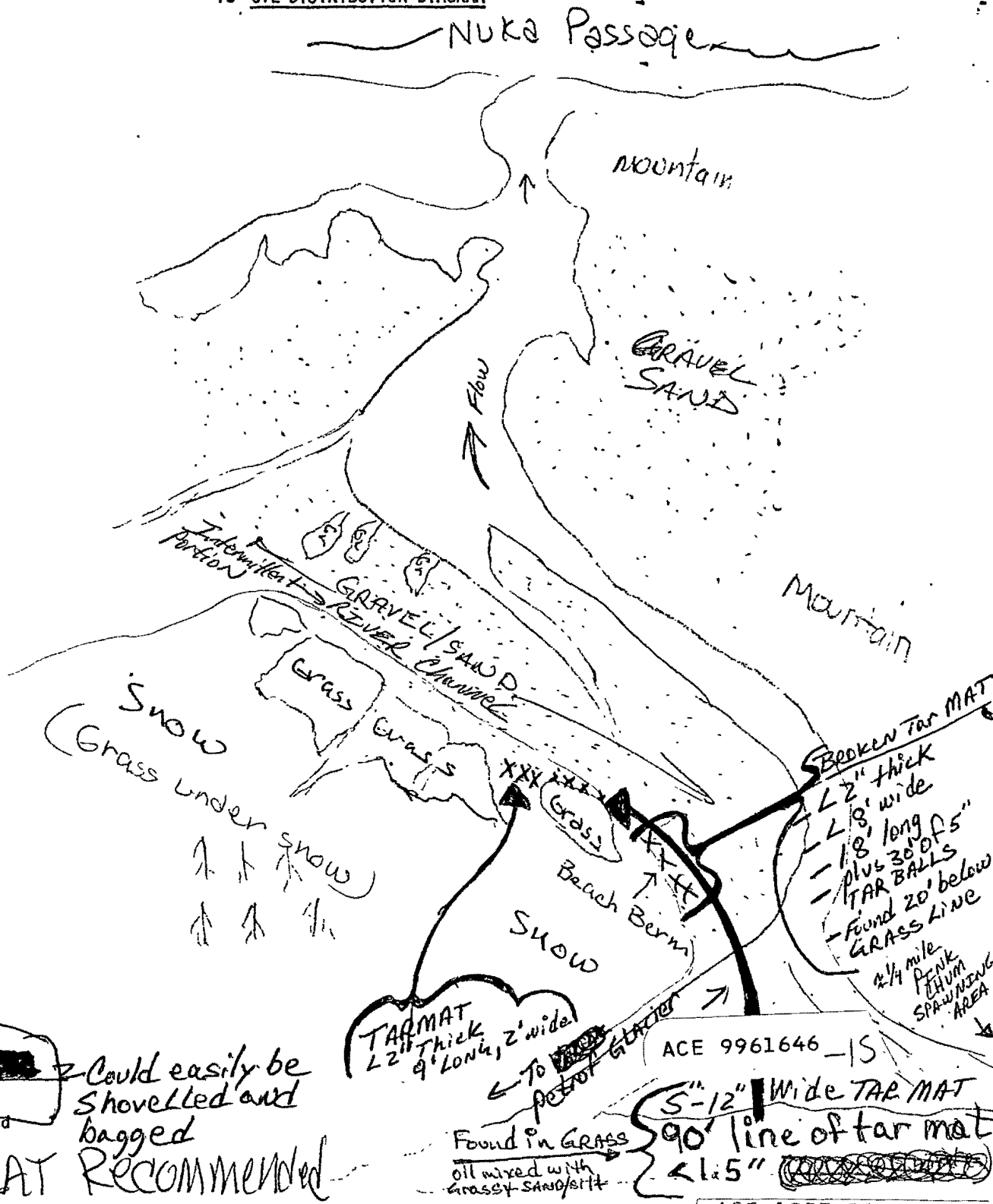
30, 31

Tar mat, Susan MILANE (ADF46) in photo 31

32, 33

Aerial of 90° Bend where oil found and river outlet

46 OIL DISTRIBUTION DIAGRAM



★ sample taken
 ○ = Photo frame # and shot direction.

ANADSCAT Recommended

ACE 9961646 -15

ACE 1955638

ASC NUMBER: 232-10-10330 SEGMENT NUMBER: None YR CATALOGED:
 LOCATION: KP OC - Noka Passage
 STREAM NAME: Petrof River LATITUDE: 59 21 11
 DIAK K-UNIT: LOCAL STREAM #: LONGITUDE: 150 50 34
 USGS QUADRANGLE: Seldovia B-3 LEGAL:
 SHORELINE TYPE: Beach ALL SEGMENTS:
 WAVE EXPOSURE: Moderate

ASC NUMBER: 7
 SURVEY TYPE: Pre-Screening
 METHOD: Foot
 DATE: 4/12/90
 START TIME: 1250
 STOP TIME: 1324

TEAM RECORDER: Doug Hill
 OBSERVERS: Susan McHane
 AGENCY(IES): ADF&G
 PHOTOS TAKEN? Yes
 Roll #: 9000H02H Frames: 24 → 34
 VIDEO TAKEN? NO Tape Number:
 Counter Start:

SAMPLES TAKEN?
 SAMPLE I.D. NUMBERS: 1. 00H/sm - 4/12/90-1310 2. 3.
 4. 5. 6.

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1	27m	.30m		80%	< 3.8cm	—	AP
SITE 2	3m	7.3m		100%	< 5cm	—	AP
SITE 3	5.5m	2.5m		80%	< 5cm	—	AP
SITE 4	19m	—		70%			TB
SITE 5							

OVERALL OIL IMPACT: VL

OIL IN STREAM CHANNEL? y
 SUBSTRATE

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? y

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

SPECIES					
COUNT					

COMMENTS: SEE 90 MAD comments (comment section + Diagram section)

GROUP B

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: ~~Boat~~ Ground Boat
 3 DATE: 4/12/90 15 HIGH TIDE TIMES: 3:15 AM
 4 START TIME: 1250 16 HIGH TIDE HTS: 13.01
 5 STOP TIME: 1324 17 LOW TIDE TIMES: 0949
 6 SEGMENT #: not designated 18 LOW TIDE HTS: -0.81
 7 STATION #: _____ 19 TIDE HT AT SURVEY: low
 8 K-UNIT: _____ Ebb Slack Flood Slack
 9 STAT AREA: 232-10 20 USCG QUAD: _____
 10 LAT: 59° 21' 22" 11 LONG: 150° 50' 58"

21 TEAM RECORDER: Doug Hill
 22 OBSERVERS: Susan McLane
 23 AGENCY: ADFE: G
 24 PHOTOS TAKEN: (Y) N
 Roll #: 90001107-H Frames: 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34.
 25 VIDEO TAKEN: (Y) (N) TAPE #: _____
 Starts: _____ Ends: _____
 26 SAMPLES TAKEN? (Y) N Number

12 SOURCE: (Map) Loran
 13 LOCATION: AFS 232-10-10330
 14 DESCRIPTION: South stream below Petrof Glacier

011 (No DUPE)
 Sediment # 24/12/90-1310
 Biological _____
 Water _____

EXTENT OF OIL

	SHORELINE				STREAM			
	L	W	M ²	%	L	W	M ²	%
27 SURFACE COVERAGE								
28 SURFACE THICKNESS								
29 PENETRATION								
30 OVERALL OIL IMPACT:	N	VL	L	K	H			
31 OIL TYPE:	Pooled	Mousse	<u>(Tar)</u>	Asphalt	Sticky	Stain		
32 OILED DEBRIS?	<u>(Y)</u>	N						
33 SHORELINE TYPE:	Headland	Low-lying Rocks	<u>(Beach)</u>	Cove				
		Lagoon	Marsh					
34 WAVE EXPOSURE:	High	<u>(Moderate)</u>	Low					
35 SUBSTRATE TYPE:	Bedrock	Boulder	Cobble					
	Gravel <u>20%</u>	Sand <u>60</u>	Mud/silt <u>20%</u>					

36 CATALOGED ANAD. FISH SREAM? (Y) N
 37 CATALOG #: 232-10-10330
 38 STREAM NAME: Petrof River
 39 OIL IN STREAM BED? (Y) N
 40 OIL ON STREAM BANKS? (Y) N
 41 OIL ON BEACH ADJACENT TO MOUTH? Y N
 (within 50 meters)
 42 OIL WITHIN 1 MILE OF STREAM? (Y) N
 Within Channel,
 Where: ON BANK / 90° bend just above river mouth.
 43 ANADROMOUS FISH PRESENT? Y (N)
 44 ANADROMOUS FISH OBSERVATION

Species	Aerial	Ground

COMMENTS: Oil observed approximately 600 yds above mouth of River - Found on North Shore at point where river bends North (looking upstream). Broken tar-mats. Hard outer crust friable within/saturated sediment. Oil found covering last years grass on 2'-3" high bank. Found within 1/4-mile of Chum and Pink Spawning lagoon.

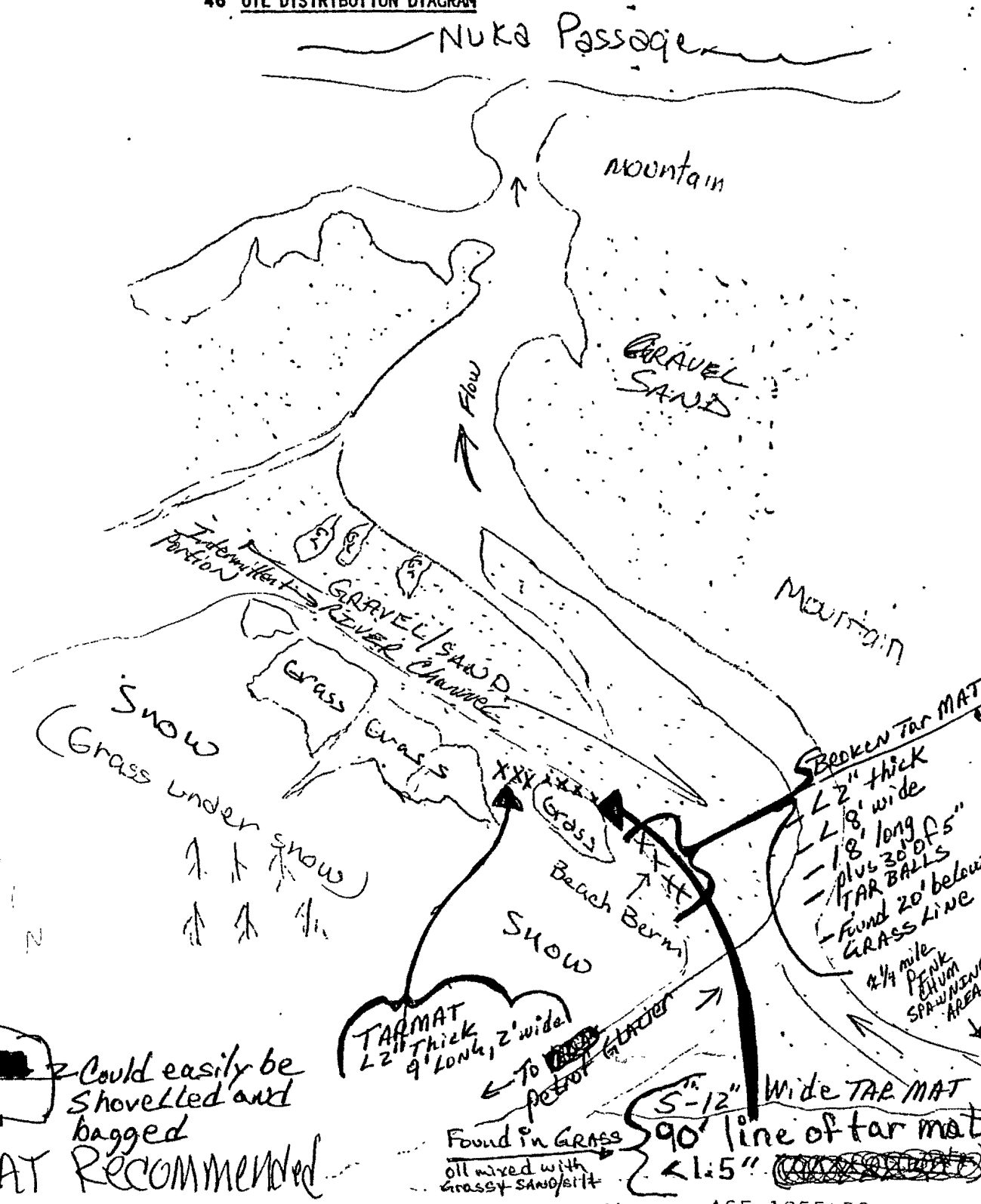
ACE 1955637

Local fisherman Phil Brudie observed this oil when it land on the bank of Petrof River

OVER

FRAME(S)	DESCRIPTION
24, 25	Depicts tar mat line (portion of tar mats)
26, 27	Depicts oil covering vegetation/SAMPLE location
28	Susan Milane (ADFCG) observing oiled vegetation/overview of Area
29	Oiled vegetation
30, 31	Tar mat, Susan MILANE (ADFCG) in photo 31.
32, 33	Aerial of 90° Bend where oil found and river outlet

46 OIL DISTRIBUTION DIAGRAM



Faxed-Anchorage 4/17/90

Group B

ADF&G MULTI-ASSESSMENT DATA FORM

Pre-screening

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

METHOD: ~~Aerial~~ Ground Boat

3 DATE: 4/12/90 15 HIGH TIDE TIMES: 3:15 AM 21 TEAM RECORDER: Doug Hill

4 START TIME: 1250 16 HIGH TIDE HTS: 13.01 22 OBSERVERS: Susan McLane

5 STOP TIME: 1324 17 LOW TIDE TIMES: 0949 23 AGENCY: ADF&G

6 SEGMENT #: non-designated 18 LOW TIDE HTS: -0.81 24 PHOTOS TAKEN: Y N

7 STATION #: _____ 19 TIDE HT AT SURVEY: LOW Roll #: 90 DDH-D-4 Frames: 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34

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

9 STAT AREA: 232-10 20 USCG QUAD: _____ Start: _____ End: _____

10 LAT: 59° 21' 22" 11 LONG: 150° 50' 58" 26 SAMPLES TAKEN? Y N Number

12 SOURCE: Map Loran Oil: 1 (No DUPE)
Petrof River - DDH/Sm

13 LOCATION: AFS 232-10-10330 Sediment: # 24/13/90-1310

14 DESCRIPTION: South stream below Petrof Glacier Biological: _____

EXTENT OF OIL

	SHORELINE				STREAM			
	L	W	M ²	%	L	W	M ²	%
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

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

36 CATALOGED ANAD. FISH SREAM? Y N

37 CATALOG #: 232-10-10330

38 STREAM NAME: Petrof River

39 OIL IN STREAM BED? Y N

40 OIL ON STREAM BANKS? Y N

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

42 OIL WITHIN 1 MILE OF STREAM? Y N
Within Channel, Where: ON BANK 90° bend just above river mouth.

43 ANADROMOUS FISH PRESENT? Y N

44 ANADROMOUS FISH OBSERVATION

Species	Aerial	Ground

COMMENTS: Oil observed approximately 600 yds above mouth of River - Found on North Shore at point where river bends North (looking upstream). Broken tar-mats. Hard outer crust friable within/saturated sediment. Oil found covering last years grass on 2"-3" high banks. Found within 1/4 mile of Chem and Pink Spawning Lagoon.

ACE 1940788

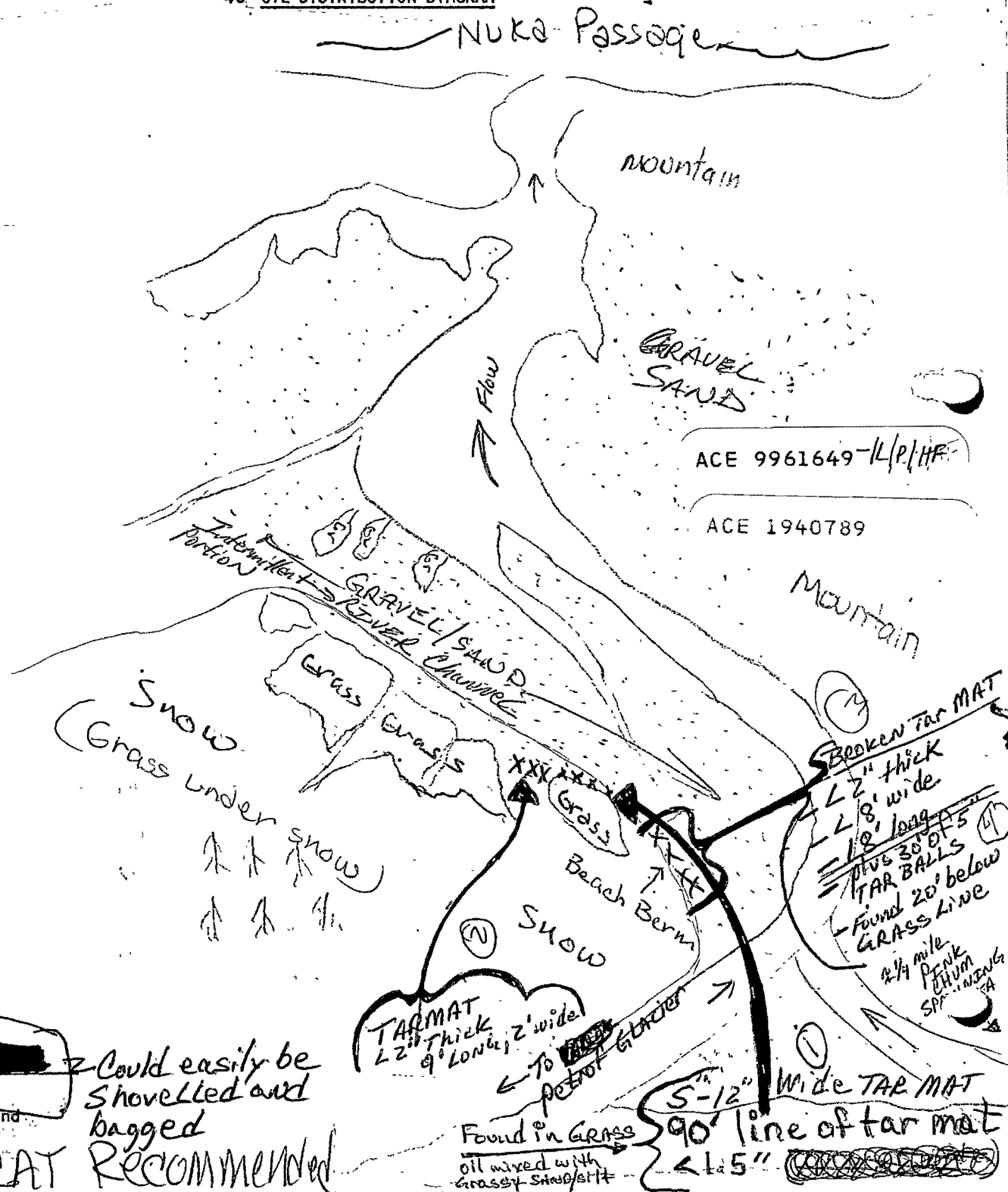
"1981" Local Fisherman → Phil & Brudie observed this oil when it land on the bank of Petrof River

ACE 9961648

OVER →

FRAME(S)	DESCRIPTION
24, 25	Depicts farmat line (portion of farmat)
26, 27	Depicts oil covering vegetation / SAMPLE location
28	Susan Milane (ADF&G) observing oiled vegetation / overview of Area
29	Oiled vegetation
30, 31	Tarmat, Susan Milane (ADF&G) in photo 31
32, 33	Aerial of 90° Bend where oil found and river outlet

46 OIL DISTRIBUTION DIAGRAM



★ 130
 = Sample taken
 = Photo frame # and shot direction.

Could easily be shovelled and bagged
ANADSCAT Recommended

Found in GRASS
 oil mixed with grassy snow/silt