

Sunday Creek

ASC NUMBER: 248-10-10002 SEGMENT NUMBER: — YR CATALOGED: —
 LOCATION: Kamishak Bay, Rocky Cove
 DAM NAME: Sunday Crk
 LOCAL STREAM #: —
 QUADRANGLE: Iliamna B-2
 SHORELINE TYPE: Beach
 WAVE EXPOSURE: High
 LATITUDE: 59 26 49
 LONGITUDE: 153 44 24
 LEGAL: S 89 26 W 32

SC NUMBER: —
 SURVEY TYPE: BS/SS
 METHOD: FOOT
 DATE: 6/13/89
 START TIME: 1400
 STOP TIME: —
 TEAM RECORDER: AL Davis
 OBSERVERS: Rance Morrison
 AGENCY(IES): ADF+G
 PHOTOS TAKEN? ~~0~~ —
 Roll #: — Frames: —
 VIDEO TAKEN? — Tape Number: —
 Counter Start: —

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

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1	80.5	—	—	—	—	—	MS
SITE 2							
SITE 3							
SITE 4							
SITE 5							

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

SUBSTRATE

Bedrock	Granule
Boulder	Sand
Cobble	Silt
Pebble	Veget.

SPECIES					
	—				
COUNT					

REMARKS: 2' oil boom fouled - 2 pieces found on beach
~~2 pieces found on beach~~
~~2 pieces found on beach~~
 Contact AL Davis for identification and concerning
 the existence of photos.
 Contact Survey crew for further info

ACE 10494072/F/SP

Sunday Creek

SC NUMBER: 248-10-10002 SEGMENT NUMBER: — YR CATALOGED: —
 LOCATION: Kamishak Bay Rocky Cove
 DAM NAME: Sunday Crk LOCAL STREAM #: —
 UVIAK K-UNIT: —
 SGS QUADRANGLE: Iliamna B-2
 HORIZONTAL TYPE: Beach
 AVE EXPOSURE: High
 ALL SEGMENTS: —
 LATITUDE: 59° 26' 49"
 LONGITUDE: 153° 41' 24"
 LEGAL: S 85° 26' W 32"
 DATE: 10/9/91

SC NUMBER: —
 SURVEY TYPE: BS/SS
 METHOD: Foot
 DATE: 6/13/89
 START TIME: 1400
 STOP TIME: —
 TEAM RECORDER: Al Davis
 OBSERVERS: Rance Morrison
 AGENCY(IES): ADFG
 PHOTOS TAKEN? —
 Roll #: — Frame #: —
 VIDEO TAKEN? — Tape Number: —
 Counter Start: —

SAMPLES TAKEN? N
 SAMPLE I.D. NUMBERS: 1. 2. 3. 4. 5. 6. 8.

	LENGTH m	WIDTH m	H2	z	THICK cm	PEN cm	OIL TYPE
SITE 1	80.5	—	—	—	—	—	MS
SITE 2							
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT: VL
 OIL IN STREAM CHANNEL? N
 SUBSTRATE: Bedrock Granule, Boulder Sand, Cobble Silt, Pebble Veget.
 OIL ON BEACH WITHIN 50M OF STREAM MOUTH? N
 1 mile yr

SPECIES					
COUNT					

REMARKS: 2' of oiled absorbent boom
 2' oil boom fouled - 2 pieces found on beach
~~2' oil boom fouled - 2 pieces found on beach~~
~~2' oil boom fouled - 2 pieces found on beach~~
 Contact Al Davis for verification and concerning the existence of photos.
 Contact survey crew for further info

ACE 10494073 -15

Sunday Crk

ASC NUMBER: 248-10-10002 SEGMENT NUMBER: — YR CATALOGED: —
 LOCATION: Kamishak Bay
 DAM NAME: Sunday Creek
 TIAK K-UNIT: — LOCAL STREAM #: —
 US QUADRANGLE: Iliamna B-2
 SHORELINE TYPE: Beach ALL SEGMENTS: —
 WAVE EXPOSURE: high LATITUDE: 59 26 49
 LONGITUDE: 153 44 24
 LEGAL: S 8S 26W 32

ASC NUMBER: — TEAM RECORDER: Al Davis
 SURVEY TYPE: BS/SS OBSERVERS: Rick Randall
 METHOD: FOOT
 DATE: 7/10/89 AGENCY(IES): ADF+G
 START TIME: 1500
 STOP TIME: —
 PHOTOS TAKEN? Roll #: — Frames: —
 VIDEO TAKEN? Tape Number: —
 Counter Start: —

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

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1	183	—	—	—	—	—	TB
SITE 2							
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT: VL

OIL IN STREAM CHANNEL? — OIL ON BEACH WITHIN 50M OF STREAM MOUTH? —

SUBSTRATE

Bedrock —	Granule
Boulder —	Sand
Cobble —	Silt
Pebble —	Veget.

SPECIES	—				
COUNT					

COMMENTS: Small amount of oil at ~~previous~~ ^{previous} days high tide and at low tide line
 From the ^{field crew} survey notes it is unknown how close the oil was to the stream (contact Al Davis).
 Fish (salmon?) observed at mouth of creek.

ACE 10494074 +15

Sunday Crk

ASC NUMBER: 248-10-10002 SEGMENT NUMBER: — YR CATALOGED: —
 LOCATION: Kamishak Bay TAM NAME: Sunday Creek
 LAKE UNIT: — LOCAL STREAM #: —
 U.S. QUADRANGLE: Fliamna B-2
 SHORELINE TYPE: Beach ALL SEGMENTS: —
 WAVE EXPOSURE: high

LATITUDE: 59 26 49
 LONGITUDE: 153 44 24
 LEGAL: S 85 26 W 32

10/9/91

ASC NUMBER: —
 SURVEY TYPE: BS/SS
 METHOD: FOOT
 DATE: 7/10/89
 START TIME: 1500
 STOP TIME: —

TEAM RECORDER: Al Davis
 OBSERVERS: Rick Randall

AGENCY(IES): ADF+G

PHOTOS TAKEN?
 Roll #: — Frames: —
 VIDEO TAKEN? Tape Number: —
 Counter Start: —

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

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1	18.3	—	—	—	—	—	TB
SITE 2							
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT: VL

OIL IN STREAM CHANNEL? —
 SUBSTRATE

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? —
1 mile → yes

Bedrock —	Granula.
Boulder —	Sand
Cobble —	Alit
Pebble —	Veget.

SPECIES	—				
COUNT					

COMMENTS: Small amount of oil at ~~previous~~ ^{previous} days high tide ~~at low tide line~~ and at low tide line.
 From the ^{Field Crew} survey notes it is unknown how close the oil was to the stream ~~at low tide line~~.
 Fish (salmon?) observed at mouth of creek.

ACE 10494075-15

ADF&G MULTI-ASSESSMENT FORM
1991 GENERAL ENTRY CHECKLIST

10/3/91
DWA



STREAM#: 2481010002
SEGMENT:

PAGE 51

DATE PRINTED: 08/14/91

LOCATION: COOK INLET, WEST SIDE

SURVEY TYPE: 89 AFHS - BS/SS

METHOD: GROUND
FOOT

DATE: 07/27/89

TEAM RECORDER: HILL

START TIME: 1205
END TIME: 1340

OBSERVERS: GLENN

TIDES: Ebb
OG/HAB DISCREPANCIES:

AGENCY: FG

PHOTOS TAKEN: Y

STATION: 2481010002

ROLL#: 89DDH013H
FRAME: 05-22

VIDEO TAKEN: N
START: TAPE#: END:

SAMPLES TAKEN: Y

SAMPLE NUMBERS: 89DDH028H
89DDH029H

OIL IN STREAM BED: Y

OVERALL OIL IMPACT: L

OIL ON BEACH BY MOUTH: Y

WAVE EXPOSURE: HIGH

SHORELINE TYPE: BEACH

SUBSTRATE TYPE: BEDROCK BOULDER COBBLE 60 VEGETAT
GRAVEL 30 SAND MUD/SILT GRANULE 10

ANADROMOUS FISH PRESENT:

SPECIES: Pink Salmon
Chum Salmon

COUNT: OK to add 3800
up ground + 1200
Aerial?

ACE 10494076 +15

ADF&G MULTI-ASSESSMENT FORM
1991 OILING ENTRY CHECKLIST

PAGE 56

DATE PRINTED: 08/14/91

STREAM# : 2481010002
SEGMENT#:

SURVEY TYPE : 89 AFHS - BS/SS LOCATION: COOK INLET, WEST SIDE
DATE: 07/27/89
TIMES: 1205 - 1340 TEAM RECORDER: HILL

-- OILING EXTENT --

SITE#	SITE TYPE	DEPTH (cm)	LENGTH (m)	WIDTH (m)	AREA (m)	%	THICK (cm)	PEN (cm)	OIL TYPE CODES
1			1207	.5	604	1	<2.5	<8	MS TP

COMMENTS:

SITE 5-1. OIL FOUND ALONG LENGTH OF BEACH ~3/4 MILE LONG. ON THE NORTH SHORE OIL FOUND AT RATE OF 1 PATCH PER 3 FEET. THE LARGEST PATTY OF OBSERVED WAS 8" X 8". MOUTH/INTERTIDAL - 3000 PINKS, 1000 CHUMS. SURVEYED 400 YARDS UPSTREAM OF SALTWATER... AERIAL COUNT OF PINKS - 800, GROUND COUNT OF PINKS 200. AERIAL COUNT OF CHUM - 200, GROUND COUNT OF CHUM - 50.

~~AD 3000p~~ ^{89R054} Oil Sample # RDR-9/16/89-1630 was collected from this beach Also

↑ Add comment about 9/16/89 oil sample
★
DWH
10/3/91

ACE 10494077-15

1989-AFHS

Site 5-1

Sunday Creek

ASC NUMBER: 248-10-10002

SEGMENT NUMBER: None

YR CATALOGED:

LOCATION: Kamishak Bay

STREAM NAME: Sunday Creek

LATITUDE: 59 26 49

DIAK K-UNIT:

LOCAL STREAM #:

LONGITUDE: 153 44 24

US QUADRANGLE: Iliamna 2-2

LEGAL: S 95 26 W 32

SHORELINE TYPE: BEACH

ALL SEGMENTS:

WAVE EXPOSURE: High

ASC NUMBER:

TEAM RECORDER: Doug Hill

SURVEY TYPE: BS/SS

OBSERVERS: Lee Glenn

METHOD: Ground

AGENCY(IES): ADF+G

DATE: 7/27/89

PHOTOS TAKEN?

START TIME: 1205

Roll #: 89DDH13H Frames: 5 → 22

STOP TIME: 1340

VIDEO TAKEN? Tape Number:

Counter Start:

SAMPLES TAKEN?

SAMPLE I.D. NUMBERS: 1. LPA/DDH-7/27/89-1215
4.

2. DDH/LPA-7/27/89-1300
5.
3. (RDR-9/16/89-1630) *leave out. Date.*
6.

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1	1207	.5	604	1	<2.5	<8	MS, TP
SITE 2							
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT: Light

OIL IN STREAM CHANNEL? Yes

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? Yes

SUBSTRATE

Bedrock	Granule
Boulder	Sand
Cobble 60	Silt
Pebble 40	Veget.

SPECIES	Pink	Chum			
COUNT	800-Aerial 200-Ground	200-Aerial 50-Ground	} Comments.		

COMMENTS: Oil found along length of beach - \approx 3/4 mile long. On the north shore oil found at rate of 1 patch per 3 feet. The largest patch of observed was 8" x 8".

- Mouth/Intertidal \Rightarrow 3000 pinks, 1000 chums

- Surveyed 400 yds upstream of saltwater

ACE 10494078 +/S

Dupes

FISH HABITAT ASSESSMENT FORM

Cook Inlet - West Side (Sunday Creek)

1 REGION: 2 PWS (KP, CI) 4 K, AP 6 OBSERVER(S) Doug Hill, Lee Glenn

8 SITE NO. 5-1 7 AERIAL PHOTO NO. 5, 6, 22 9 CAT NO. 248-10-10200 ¹⁰⁰⁰²

10 STREAM NAME Sunday Creek 11 LAT _____ 12 LONG _____

13 DATE 7/27/89 14 TIME 1205 15 TIDE: Low slack Flood High slack ebb

16 CATALOGED ANADROMOUS STREAM? N 17 ANAD. FISH FOUND? N

18 OIL FOUND IN STREAM? N 19 OIL FOUND NEAR STREAM (1 MI.)? N

20 OIL SAMPLES TAKEN? N 21 ID NOS. SUN - ~~Ridge Crk - LPA/DPH-7/27/89-1215~~ ^{dup}
~~Ridge Crk - DPH/LPA-7/27/89-1300~~ ^{dup}
SUN CRK

22 35 MM PICTURES TAKEN? N 23 ROLL NO(S) RDR 9/16/89-1630 8900H13H

24 EXPOSURE NO.	25 DESCRIPTION
<u>5, 6, 22</u>	<u>Aerial of Beach/mouth of Sunday Creek</u>
<u>7, 8, 9</u>	<u>Sample #: Sun Crk - LPA/DPH - 7/27/89 - 1215</u>
<u>10, 11, 13</u>	<u>Line of oiled debris 1' wide by 2' long / chunks of old stream / line oil along left bank</u>
<u>13, 14</u>	<u>Locally Made Dirt retaining basin / Heavily Dilted TYPAR - Prob. Came Across Inlet</u>
<u>15, 16, 17, 18, 19, 20</u>	<u>Sample #: Sun Crk - LPA/DPH - 7/27/89 - 1300 / Within stream bed / Potential for</u> <u>mussel balls in stream bed - 4' below tide line</u> <u>stream Mgmt</u>
<u>21</u>	<u>Mouse / Variety</u>

26 VIDEO FOOTAGE TAKEN? Y N 27 CASSETTE NO(S) _____

28 DESCRIPTION: _____
ACE 10494079
ACE 7380254

ANADROMOUS FISH OBSERVATIONS

	PINK	CHUM	RED	KING	COHO	DOLLY
30 Aerial	800	200				
29 Ground	200	50				

30 COMMENTS: Mouth/Intertidal \Rightarrow 3000 pinks, 1000 Chums (Aerial)
 Surveyed 400 yds upstream from saltwater
 - Bright Fish

OIL OBSERVATIONS

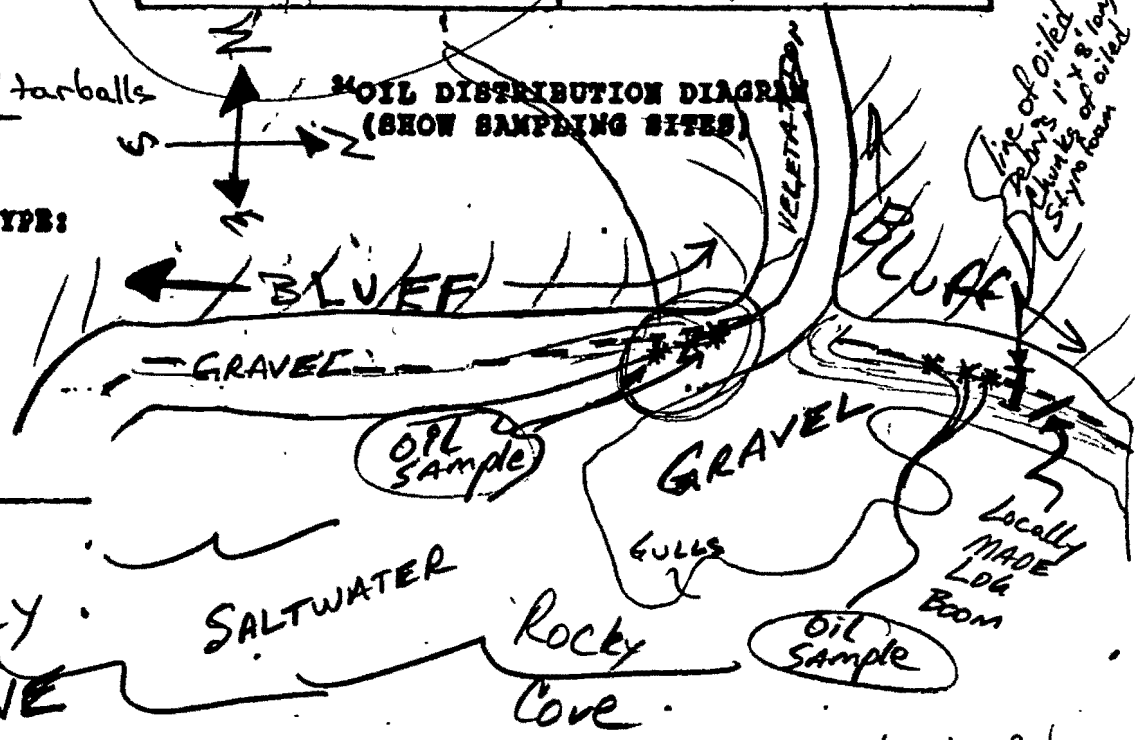
Site 6/11

	EXTENT OF OIL:	
	WITHIN STREAM	OUTSIDE STREAM
31 SURFACE COVERAGE	\odot .75'	Sporadic Tarballs along lgth of beach $\frac{1}{2}$ " x $\frac{1}{2}$ " to 8" x 8"
32 SURFACE THICKNESS	$\frac{1}{2}$ " - 1"	Thickest \Rightarrow $\frac{1}{2}$ " Average $\frac{1}{16}$ " \rightarrow $\frac{1}{8}$ "
33 PENETRATION	$\frac{1}{4}$ " - $\frac{1}{2}$ "	1"

--- = line of tarballs

35 PREDOMINANT SUBSTRATE TYPE:

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



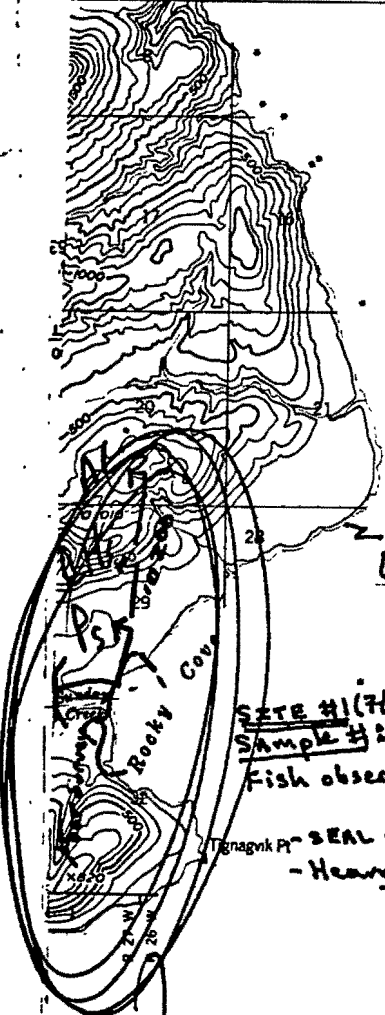
Oil Found Along length of beach (\approx 3/4 mile length) (crust surface) (chocolate brown w. thin)

35 COMMENTS: North shore \Rightarrow patch of mousse per 3 feet (largest observed 8" x 8")

Sample taken at 1300hrs \Rightarrow was 5' below current tide line

SUNDAY CREEK

Illiamna
B-2



SEABIRD Activity
(Puffins, Cormorants)

SITE #1 (7/27/89)
Sample #: Rocky Cove - DDH/LP4 - 7/27/89 - 1300

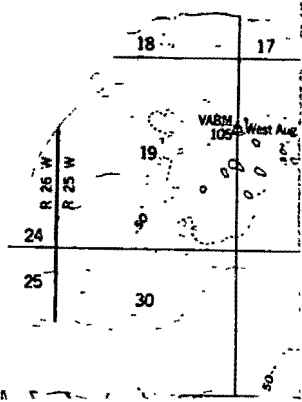
Fish observed \Rightarrow mouth to upstream 400 yds (200 chum, 800 pink)
mouth along beach \Rightarrow 1000 chum, 3000 pink

SEAL working mouth of creek
- Heavy Bear sign

Site
5-1

ACE 10494081 -1/S

ACE 7380256



1989-AFHS

Site 5-1

SUNDAY CREEK

ASC NUMBER: 248-10-10002

SEGMENT NUMBER: None

YR CATALOGED:

LOCATION: Kamishake Bay

STREAM NAME: Sunday Creek

WIAK K-UNIT:

USGS QUADRANGLE: Elianna 2-2

SHORELINE TYPE: BEACH

WAVE EXPOSURE: High

LOCAL STREAM #:

ALL SEGMENTS:

LATITUDE: 59 26 49

LONGITUDE: 153 44 24

LEGAL: S 85 26 W 32

ASC NUMBER:

SURVEY TYPE: BS/SS Ground Foot

METHOD:

DATE: 7/27/89

START TIME: 1205

STOP TIME: 1340

TEAM RECORDER: Doug Hill

OBSERVERS: Lee Glenn

AGENCY (IES): ADF+G

PHOTOS TAKEN?

Roll #: 89DDH13H

Frames: 5 → 22

VIDEO TAKEN? N Tape Number:

Counter Start:

SAMPLES TAKEN?

SAMPLE I.D. NUMBERS: 1. LPA/DDH-7/27/89-1215 2. DDH/LPA-7/27/89-1300 3. RDR-9/16/89-1630
4. 5. 6.

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1	1207	.5	604	1	<2.5	<8	MS, TP
SITE 2							
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT: Light

OIL IN STREAM CHANNEL? Yes

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? Yes

SUBSTRATE

Bedrock	Granule 10
Boulder	Sand
Cobble 60	Silt
Pebble 30	Veget.

SPECIES	Pink	Chum			
COUNT	800-Aerial	200-Aerial			
	200-Ground	50-Ground			

COMMENTS: Oil found along length of beach - ~ 3/4 mile long. On the north shore oil found at rate of 1 patch per 3 feet. The largest patch of observed was 8" x 8".

- Mouth/Intertidal => 3000 pinks, 1000 chums
- Surveyed 400 yds upstream of saltwater

ACE 10494082 +/5

Add: Sample collected in stream bed. Photos document mousse balls in stream bed, 4' below tide line.

Dupes

FISH HABITAT ASSESSMENT FORM

Cook Inlet - West Side (Sunday Creek)

1 REGION: 2 PWS (KP, CI) 3 K, AP 4 OBSERVER(S) Doug Hill, Lee Glenn

6 SITE NO. 5-1 7 AERIAL PHOTO NO. 5, 6, 22 8 CAT NO. 248-10-10002
~~10200~~

9 STREAM NAME Sunday Creek 10 LAT _____ 11 LONG _____

12 DATE 7/27/89 13 TIME 1205 14 TIDE: Low slack Flood High slack Ebb

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

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

19 OIL SAMPLES TAKEN? N 20 ID NOS. SUN Crk - LPG/DDH-7/27/89-1215 DUPE
~~Rel Crk - DDH/LPG-7/27/89-1300~~ DUPE
SUN CRK

RDR 9/16/89-1630

21 35 MM PICTURES TAKEN? N 22 ROLL NO(S) 89DDH13H

23 EXPOSURE NO.

24 DESCRIPTION

- 5, 6, 22 Aerial of Beach/mouth of Sunday Creek
- 7, 8, 9 Sample #: Sun Crk - LPG/DDH-7/27/89-1215
- 10, 11, 12 Line of oiled debris 1' wide by 8' long / chunks of wood sticks / line oil along left beach
- 13, 14 Locally Made Oil retaining basin / Heavily oiled TYPAR - Prob. Came Across Inlet
- 15, 16, 17, 18, 19, 20 Sample #: Sun Crk - LPG/DDH-7/27/89-1300 / within stream bed / potential for
mouse balls in stream bed - 4' below tide line upstream Migration
- 21 Mousse / Variety

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

27 DESCRIPTION: _____
ACE 10494083

ACE 7380254

ANADROMOUS FISH OBSERVATIONS

	PINK	CHUM	RED	KING	COHO	DOLLY		
30 Aerial	800	200						
29 Ground	200	50						

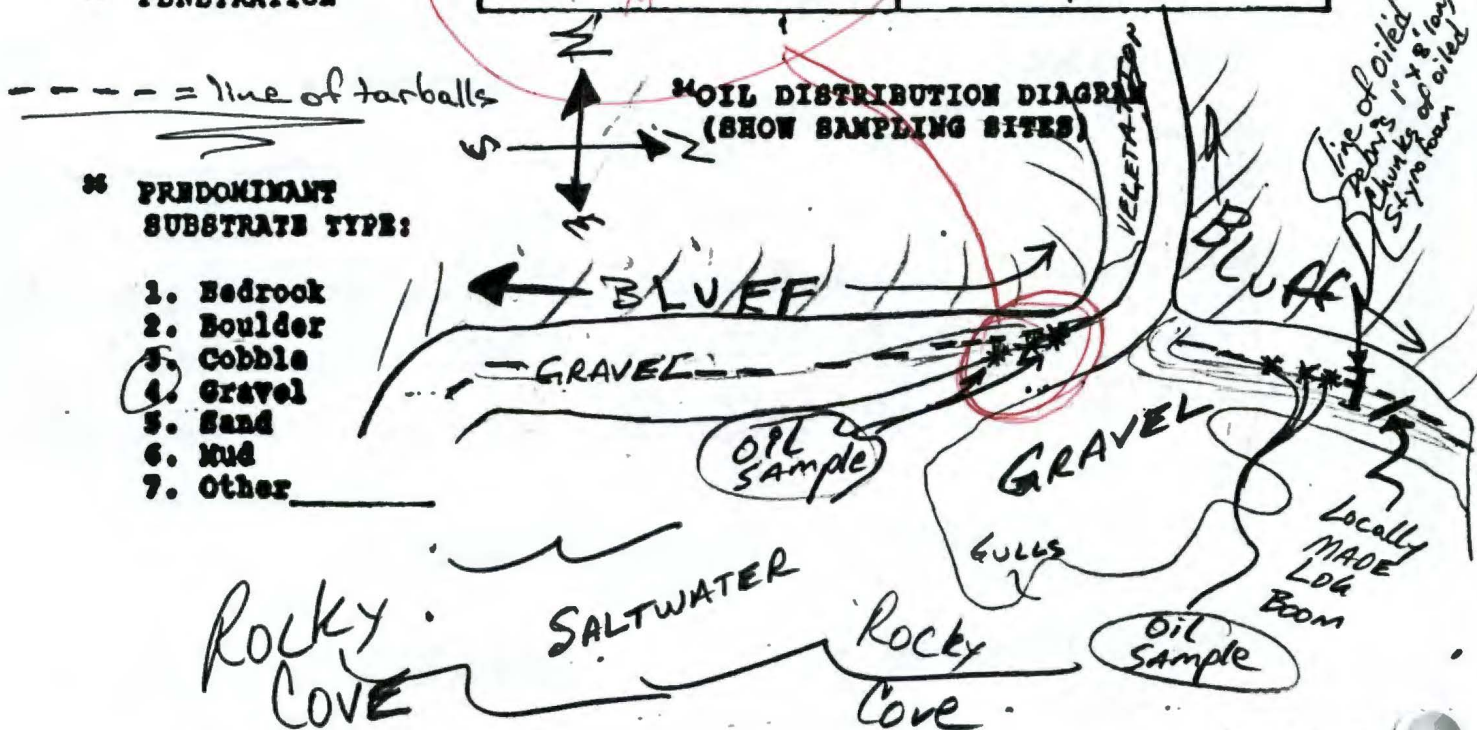
30 COMMENTS: Mouth/Intertidal \Rightarrow 3000 pinks, 1000 Chums (Aerial)
 Surveyed 400 yds upstream from saltwater
 - Bright Fish

OIL OBSERVATIONS

Site 6/11

EXTENT OF OIL:

	WITHIN STREAM	OUTSIDE STREAM
31 SURFACE COVERAGE	\odot 75'	Sporadic Tarballs along lgth of beach $\frac{1}{2} \times \frac{1}{2}$ to 8" x 8"
32 SURFACE THICKNESS	$\frac{1}{2}$ " - 1"	Thickest \Rightarrow $\frac{1}{2}$ " Average $\frac{1}{16}$ " \rightarrow $\frac{1}{8}$ "
33 PENETRATION	$\frac{1}{4}$ " - $\frac{1}{2}$ "	1"



Oil Found Along length of beach (\approx 3/4 mile Length) (Crust surface Chocolate brown w/min)

30 COMMENTS: North Shore \Rightarrow patch of mousse per 3 feet (largest observed 8" x 8")

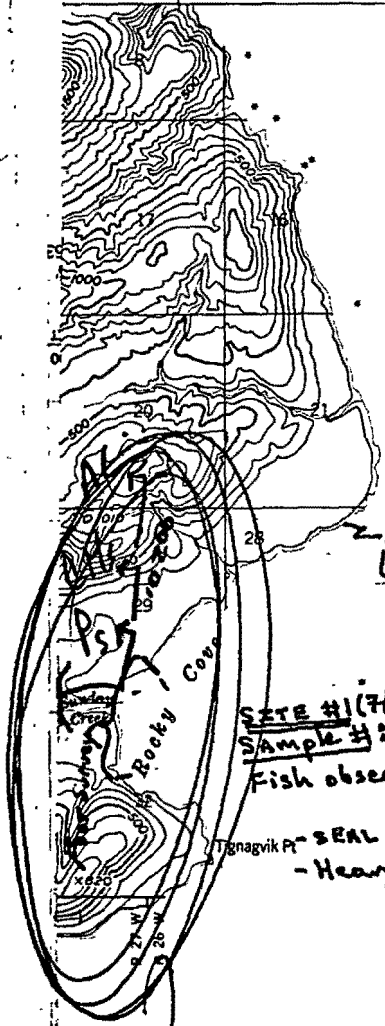
Sample taken at 1300hrs \Rightarrow was 5' below current tide line

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

15' R. 26 W. 459000m.E. 40' 35' ILLIAMNA C-21

SUNDAY CREEK

ILLIAMNA
B-2



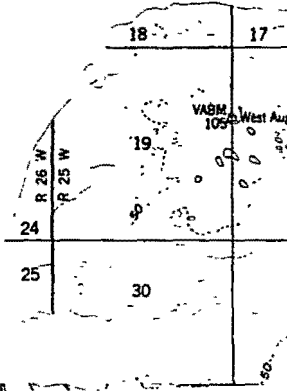
SEABIRD Activity
(Puffins, Cormorants)

SITE #1 (7/27/89)
Sample #: Rocky Cove - DDH/LP4 - 7/27/89 - 1300
Fish observed => mouth to upstream 400 yds (200 chum, 800 pink)
mouth along beach => 1000 chum, 3000 pink
- SEAL working mouth of creek
- Heavy Bear sign

Site
5-1

ACE 10494085-151P

ACE 7380256



ADF&G MULTI-ASSESSMENT FORM
1991 GENERAL ENTRY CHECKLIST



STREAM#: 2481010002
SEGMENT: -0-

PAGE 41

DATE PRINTED: 06/21/91

LOCATION: COOK INLET, WEST SIDE

SURVEY TYPE: 90 PRE SCREEN - SS

METHOD: GROUND

DATE: 04/13/90

TEAM RECORDER: HILL

START TIME: 1022

OBSERVERS: MCLANE DUDIAK

END TIME: 1122

OG/HAB DISCREPANCIES: -

AGENCY: FG

PHOTOS TAKEN: Y

STATION: 2481010002

ROLL#: 90DDH003H

FRAME: 4-5

VIDEO TAKEN: N

TAPE#: -0-

START: -0-

END: -0-

SAMPLES TAKEN: Y

SAMPLE NUMBERS: ?? *90DDH065H* -0-

-0- -0-

-0- -0-

OIL IN STREAM BED: -

OVERALL OIL IMPACT: VL

OIL ON BEACH BY MOUTH: -

WAVE EXPOSURE: MOD

SHORELINE TYPE: BEACH

SUBSTRATE TYPE: BEDROCK 10 BOULDER -0- COBBLE 20 VEGETAT -0-

GRAVEL 50 SAND 20 MUD/SILT -0- GRANULE -0-

ANADROMOUS FISH PRESENT: N

SPECIES: -0-

COUNT: -0-

-0- -0-

-0- -0-

-0- -0-

-0- -0-

ACE 10494086 *2/SLP*

ADF&G MULTI-ASSESSMENT FORM
1991 OILING ENTRY CHECKLIST



PAGE 48

DATE PRINTED: 06/21/91

STREAM# : 2481010002
SEGMENT#: -0-

SURVEY TYPE : 90 PRE SCREEN - SS LOCATION: COOK INLET, WEST SIDE
DATE: 04/13/90
TIMES: 1022 - 1122 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-	NOT AVAIL TB

COMMENTS:
SNOW ON BEACH BELOW DRIFTLINE. 3 OBSERVERS SURVEYED .5 MILE OF BEACH AROUND STREAM MOUTH. FOUND 1 TARBALL (3" X 6" & <3/4" THICK) WITH VEGETATION & BIRD FEATHERS MIXED IN. BEACH CONTAINED MUSH VEGETATIVE DEBRIS AT HIGH TIDE LINE. UNABLE TO SURVEY ENTIRE ONE MILE TO N AND S OF STREAM DU TO GEOGRAPHICAL CONSTRAINTS.

E

ASC NUMBER: 248-10-10002 SEGMENT NUMBER: none YR CATALOGED:

LOCATION: Cook Inlet, Kamishak Bay, Rocky Cove LATITUDE: 59 26 49

STREAM NAME: Sunday Creek LONGITUDE: 153 44 24

MODIAK K-UNIT: LOCAL STREAM #: LEGAL: S

SGS QUADRANGLE: Iliamna B-2 ALL SEGMENTS:

SHORELINE TYPE: Beach

WAVE EXPOSURE: Moderate

ASC NUMBER: TEAM RECORDER: Doug Hill

SURVEY TYPE: Pre-screening OBSERVERS: Susan McLaney, Norma Dudial

METHOD: Foot AGENCY(IES): ADF & G

DATE: 4/13/90 PHOTOS TAKEN? Yes

START TIME: 1022 Roll #: 90DOH0034 Frames: 2-7

STOP TIME: 1122 VIDEO TAKEN? NO Tape Number:

Counter Start:

SAMPLES TAKEN? E

SAMPLE I.D. NUMBERS: 1. ~~DOH/NO-14091-1015~~ ^{4/13/90-1015} 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: VL

OIL IN STREAM CHANNEL? No

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? Yes

SUBSTRATE

Bedrock 10%	Granule
Boulder	Sand 20%
Cobble 20%	Silt
Pebble 50%	Veget.

SPECIES					
COUNT					

COMMENTS: see "90" MAD form comment

site 5-1 of 1989 AFHA

ACE 10494088 +/S

Group B

West Side Cook Inlet

ADF&G MULTI-ASSESSMENT DATA FORM

Prescreening

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

METHOD: Aerial Ground *Boat Seldovia tide with Iliamna correction*

3 DATE: 4-13-90 16 HIGH TIDE TIMES: 1745 21 TEAM RECORDER: Doug Hill

4 START TIME: 1022 18 HIGH TIDE HTS: 13' 22 OBSERVERS: S. Melane, N. Dudlak

5 STOP TIME: 1122 17 LOW TIDE TIMES: 1121 23 AGENCY: ADFE6

6 SEGMENT #: 2 18 LOW TIDE HTS: 1.3 24 PHOTOS TAKEN: N
Roll # 90-004-023 Frame 4, 5

7 STATION #: _____ 19 TIDE HT AT SURVEY: LOW 25 VIDEO TAKEN: Y TAPE#: _____
Start: _____ End: _____

8 K-UNIT: _____ Ebb Slack Flood Slack

9 STAT AREA: 248-10 20 USCG QUAD: _____

10 LAT: 59° 26.6 N 11 LONG: 153° 47.0 W 26 SAMPLES TAKEN? Y N Number
 OIT Sunday Crk - 4/13/90 - 1015

12 SOURCE: Map Loran

13 LOCATION: Karovichak Bay AES 248-10-10200 Sediment _____

14 DESCRIPTION: Rocky Cove - Sunday Creek 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	M	H			
31 OIL TYPE:	Pooled	Mousse	<input checked="" type="radio"/> Tar	Asphalt	<input checked="" type="radio"/> Sticky	Stain		
32 OILED DEBRIS?	Y	<input checked="" type="radio"/> N						
33 SHORELINE TYPE:	Headland	Low-lying Rocks	<input checked="" type="radio"/> Beach	Cove				
		Lagoon	Marsh					
34 WAVE EXPOSURE:	High	<input checked="" type="radio"/> Moderate	Low					
35 SUBSTRATE TYPE:	Bedrock	<u>10</u>	Boulder		Cobble	<u>20</u>		
	Gravel	<u>50</u>	Sand	<u>20</u>	Mud/silt			

36 CATALOGED ANAD. FISH STREAM? Y N

37 CATALOG #: 248-10-10200

38 STREAM NAME: Sunday Creek

39 OIL IN STREAM BED? Y N
None observed - buried by snow

40 OIL ON STREAM BANKS? Y N
None observed - buried by snow

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

42 OIL WITHIN 1 MILE OF STREAM? Y N
Did not survey entire mile
Where: 50 yds. to north of creek

43 ANADROMOUS FISH PRESENT? Y N

44 ANADROMOUS FISH OBSERVATION

Species	Aerial	Ground

COMMENTS: Snow on beach below driftline. 3 observers

Surveyed .5 mi of beach around stream mouth

Found 1 tarball w/ vegetation & bird feathers mixed in. Beach contained much vegetative debris at high tide line. Unable to survey entire one mile to N and S of stream due to geographical constraints

3"x6" thick

ACE 10494089

ACE 1955652

FRAME(S)

DESCRIPTION

3

oil sample - Dooq-hill taking tar ball

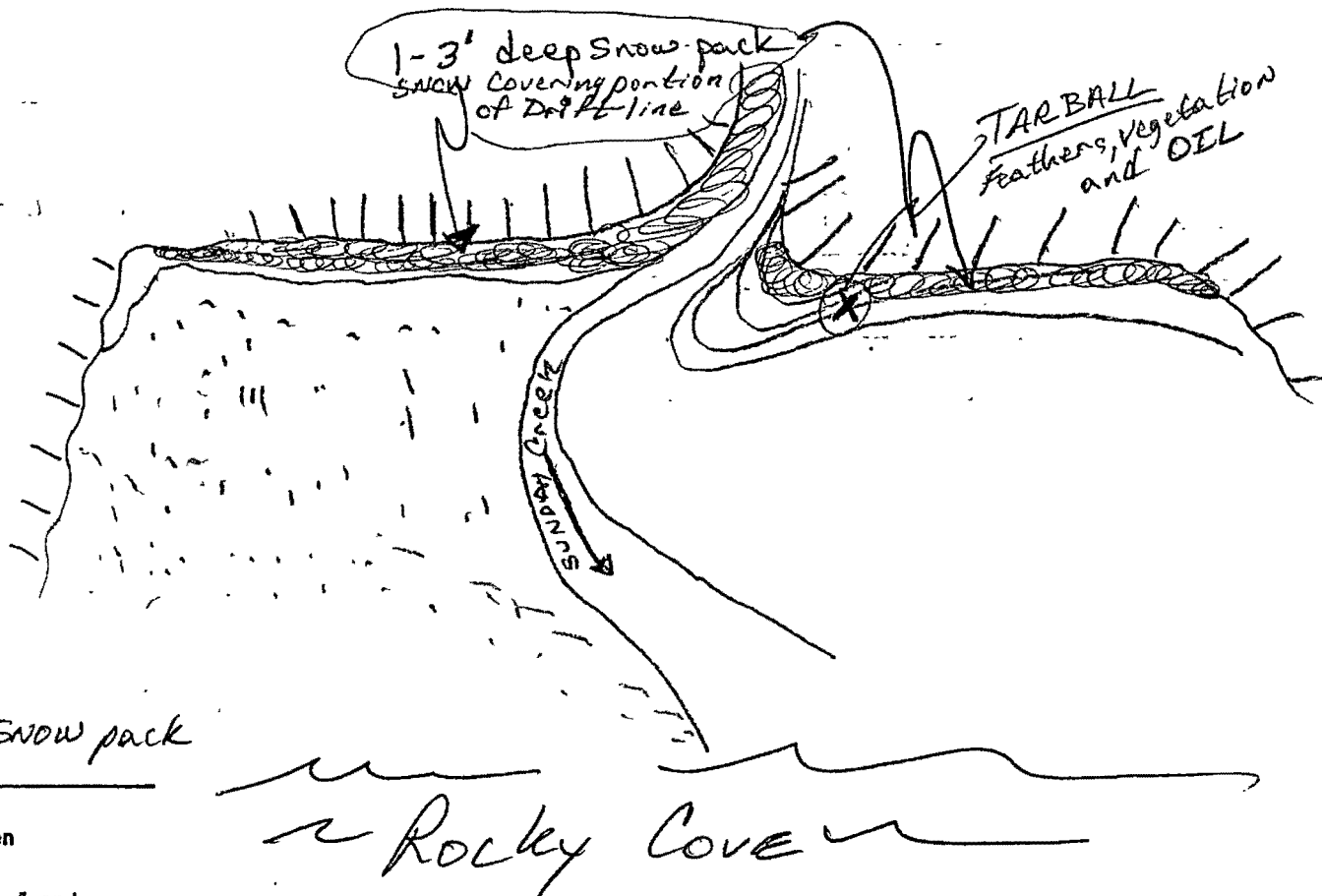
4

" " " " S. Susan McLane

5

over view of location of tar ball found

46 OIL DISTRIBUTION DIAGRAM



ACE 10494090 -15

NO ~~ANTICIPATED~~ Anticipated

Survey not completed due to snow on beach.

ACE 1955653

ASC NUMBER: 248-10-10002 SEGMENT NUMBER: None YR CATALOGED:
 LOCATION: Cook Inlet, Kamishak Bay, Rocky Cove LATITUDE: 59 26 49
 STREAM NAME: Sunday Creek LONGITUDE: 153 44 24
 TIDIAK K-UNIT: . LOCAL STREAM #: LEGAL: S
 USGS QUADRANGLE: Iliamna B-2 ALL SEGMENTS:
 SHORELINE TYPE: Beach
 WAVE EXPOSURE: Moderate

ASC NUMBER:
 SURVEY TYPE: Pre-screening
 METHOD: Foot
 DATE: 4/13/90
 START TIME: 1022
 STOP TIME: 1122

TEAM RECORDER: Doug Hill
 OBSERVERS: Susan McInerney, Norma Tudiak
 AGENCY(IES): ADF & G
 PHOTOS TAKEN? Yes
 Roll #: 90D04003H Frames: 4,5
 VIDEO TAKEN? NO Tape Number:
 Counter Start:

SAMPLES TAKEN? E

SAMPLE I.D. NUMBERS: 1. DON/NO-4000-1015 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: ML

OIL IN STREAM CHANNEL? No

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? Yes

SUBSTRATE

Bedrock 10%	Granule
Boulder	Sand 20%
Cobble 20%	Silt
Pebble 50%	Veget.

SPECIES					
COUNT					

COMMENTS: see "90" MAD form Comment

please enter.

Oiling box:

site	L	w	w2	%	Thick	pen	TYPE	comment
1	-	-	-	-	-	-	TB	north side by muds one Tarball: feathers, vegetation + oil.

End

ACE 10494091+15



Group B

West Side Cook Inlet

ADF&G MULTI-ASSESSMENT DATA FORM

Prescreening

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

METHOD: Aerial Ground Boat Seldovia tide with Iliamna correction

3 DATE: 4-13-90 15 HIGH TIDE TIMES: 1745 21 TEAM RECORDER: Doug Hill

4 START TIME: 1022 16 HIGH TIDE HTS: 13' 22 OBSERVERS: S. McLane, N. Dudiak

5 STOP TIME: 1122 17 LOW TIDE TIMES: 1121 23 AGENCY: ADFE6

6 SEGMENT #: 2 18 LOW TIDE HTS: 1.3 24 PHOTOS TAKEN: Y N

7 STATION #: _____ 19 TIDE HT AT SURVEY: low Roll #: 90-001-003 Frames: 4,5

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

9 STAT AREA: 248-10 20 USCG QUAD: _____ Start: _____ End: _____

10 LAT: 59° 26.6 N 11 LONG: 153° 47.0 W 26 SAMPLES TAKEN? Y N Number _____

12 SOURCE: Map Loran OIT Sunday Crk - 4/13/90 - 1015

13 LOCATION: Karishak Bay AES 248-10-10200 Sediment _____

14 DESCRIPTION: Rocky Cove - Sunday Creek 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	H	H			
31 OIL TYPE:	Pooled	Mousse	<input checked="" type="radio"/> Tar	Asphalt	<input checked="" type="radio"/> Sticky	Stain		
32 OILED DEBRIS?	Y	<input checked="" type="radio"/> N						
33 SHORELINE TYPE:	Headland	Low-lying Rocks	<input checked="" type="radio"/> Beach	Cove				
		Lagoon	Marsh					
34 WAVE EXPOSURE:	High	<input checked="" type="radio"/> Moderate	Low					
35 SUBSTRATE TYPE:	Bedrock	<u>10</u>	Boulder		Cobble	<u>20</u>		
	Gravel	<u>50</u>	Sand	<u>20</u>	Mud/silt			

36 CATALOGED ANAD. FISH SREAM? Y N

37 CATALOG #: 248-10-10200

38 STREAM NAME: Sunday Creek

39 OIL IN STREAM BED? Y N NONE observed - buried by snow

40 OIL ON STREAM BANKS? Y N NONE observed - buried by snow

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

42 OIL WITHIN 1 MILE OF STREAM? Y N Did not survey entire 1 mile where: 50 yds to north of creek

43 ANADROMOUS FISH PRESENT? Y N

44 ANADROMOUS FISH OBSERVATION

Species	Aerial	Ground

COMMENTS: Snow on beach below driftline. 3 observers

Surveyed .5 mi of beach around stream mouth

3" x 6" Found 1 tarball w/ vegetation & bird feathers mixed

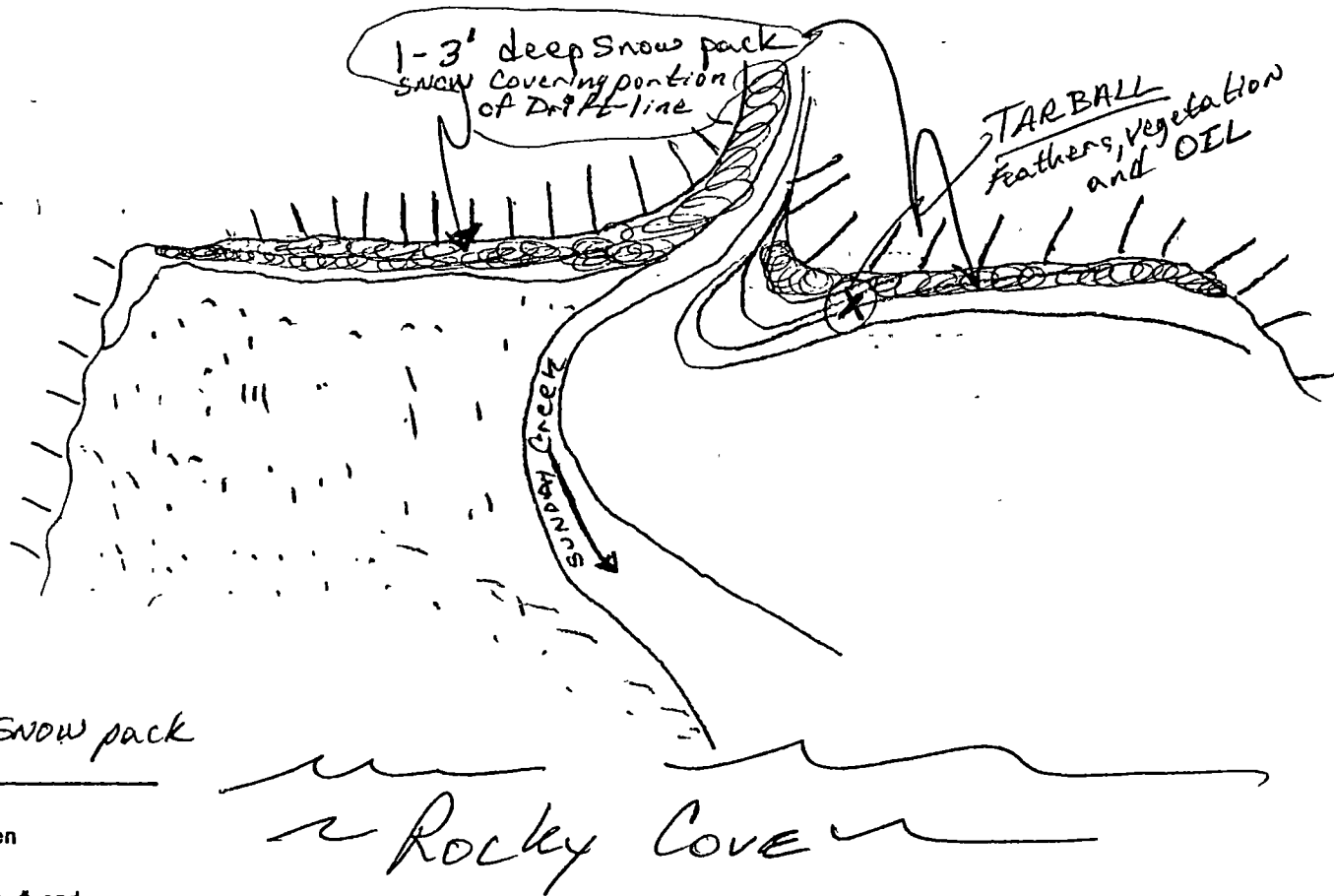
in Beach contained much vegetation, debris w/ high tide line. Unable to survey entire one mile to N and S of stream due to geographical constraints

FRAME(S)

DESCRIPTION

# 3	oil sample - Dog-bill taking tar ball
# 4	" " " " Susan McLane
# 5	over view of location of tar ball found

46 OIL DISTRIBUTION DIAGRAM



||||| = SNOW pack

X = Sample taken

= Photo frame # and shot direction.

ACE 10494093

NO ~~ANADSCAT~~ Anticipated

Survey not completed due to snow on beach.

ACE 1955653

West Side Cook Inlet

Faxed Anchorage
4/17/90

Group B

ADF&G MULTI-ASSESSMENT DATA FORM

Prescreening

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

METHOD: Aerial **Ground** Boat Seldovia tide with
Tianna correction

3 DATE: 4-13-90 15 HIGH TIDE TIMES: 1745 21 TEAM RECORDER: Doug Hill

4 START TIME: 1022 16 HIGH TIDE HTS: 13' 22 OBSERVERS: S. Melane, R. Dudlak

5 STOP TIME: 1122 17 LOW TIDE TIMES: 1121 23 AGENCY: ADPEG

6 SEGMENT #: _____ 18 LOW TIDE HTS: 1.3 24 PHOTOS TAKEN: N

7 STATION #: _____ 19 TIDE HT AT SURVEY: low Roll # 90-001-003 Frame 4, 5

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

9 STAT AREA: 248-10 20 USCG QUAD: _____ Start: _____ End: _____

10 LAT: 59° 26.6' N 11 LONG: 153° 47.0' W 26 SAMPLES TAKEN? N Number

12 SOURCE: Map Loran OIT Sunday Crk - 4/13/90 - 1015

13 LOCATION: Karishak Bay AES 248-10-10200 Sediment _____

14 DESCRIPTION: Rocky Cove - Sunday Creek 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 10 Boulder _____ Cobble 20
Gravel 50 Sand 20 Mud/silt _____

36 CATALOGED ANAD. FISH SREAM? N

37 CATALOG #: 248-10-10200

38 STREAM NAME: Sunday Creek

39 OIL IN STREAM BED? Y N
NONE observed - buried by snow

40 OIL ON STREAM BANKS? Y N
NONE observed - buried by snow

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

42 OIL WITHIN 1 MILE OF STREAM? Y N
Did not survey entire 1 mile
Where: 50 yds. to north of creek

43 ANADROMOUS FISH PRESENT? Y N

44 ANADROMOUS FISH OBSERVATION

Species	Aerial	Ground

ACE 10494094 →

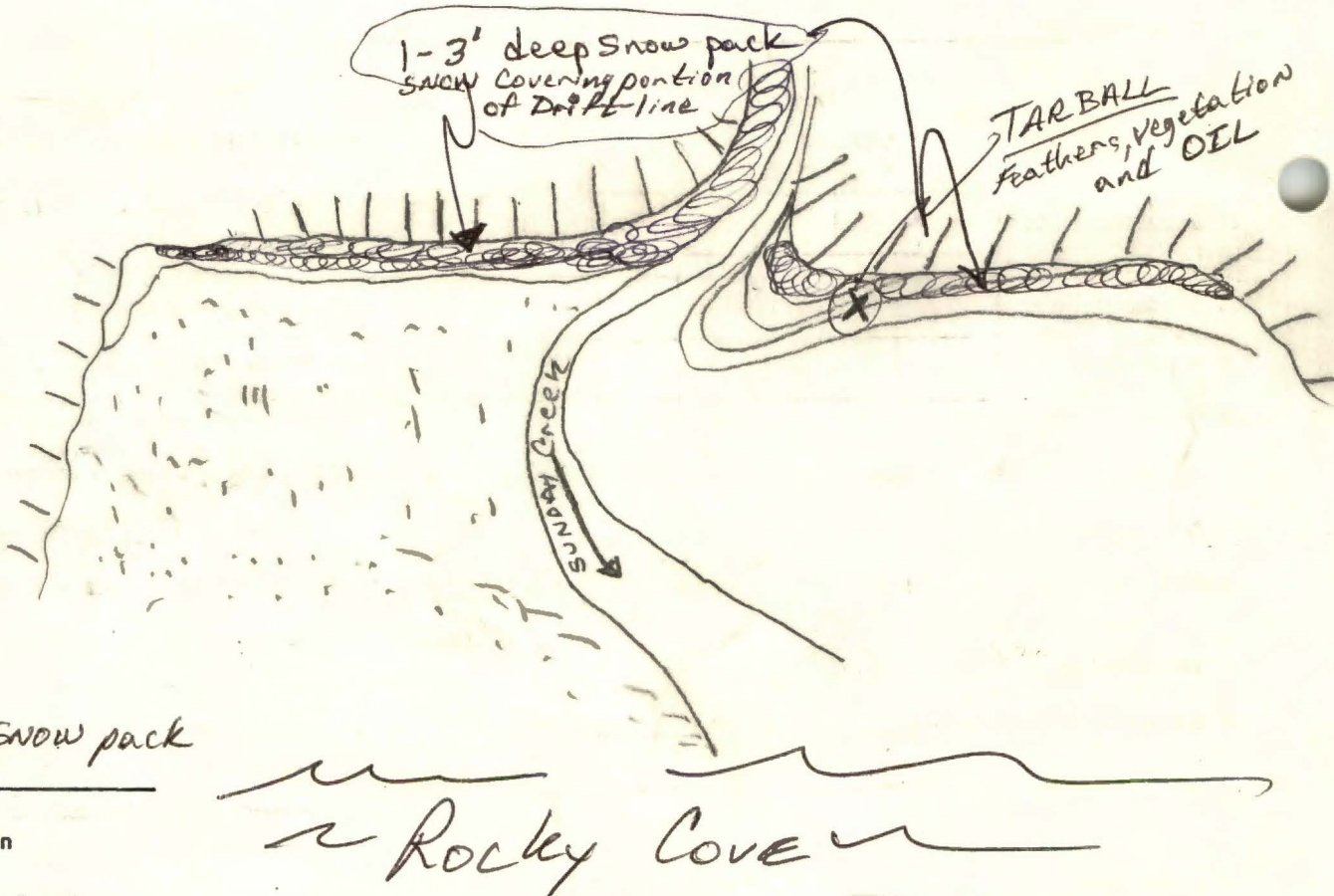
COMMENTS: Snow on beach below driftline. 3 observers
Surveyed .5 mi of beach around stream mouth.
Found 1 tarball w/ vegetation & bird feathers mixed
in Beach contained much vegetative debris at high
tide line. Unable to survey entire one mile to N and S of
stream due to geographical constraints

FRAME(S)

DESCRIPTION

# 3	oil sample - Doug Hill taking tar ball
# 4	" " " " s. Susan McLane
# 5	over view of location of tar ball found

46 OIL DISTRIBUTION DIAGRAM



☼ = snow pack

X = Sample taken

= Photo frame # and shot direction.

ACE 10494095
-14/5/1 HF

ANADSCAT

NO [REDACTED] Anticipated

Survey not completed due to snow on beach.

ACE 1955610