

ADF&G MULTI-ASSESSMENT FORM
1991 GENERAL ENTRY CHECKLIST

DDA
10/2/91

OK



STREAM#: 2423110125
SEGMENT: RB003

PAGE 61

DATE PRINTED: 08/19/91

LOCATION: ROCKY BAY, PICNIC HARBOR, FIRST STREAM EAST OF

SURVEY TYPE: 89 AFHS - SS

METHOD: FOOT

DATE: 09/10/89

TEAM RECORDER: RANDALL

START TIME: 1600
END TIME:

OBSERVERS:

TIDES: Ebb
OG/HAB DISCREPANCIES:

AGENCY: FG

PHOTOS TAKEN: Y

STATION: 2423110125

ROLL#: 89RDR016H
FRAME: 04-07

VIDEO TAKEN: Y
START: 0961

TAPE#: 89LPG011H
END: 1722

SAMPLES TAKEN: Y

SAMPLE NUMBERS: 89RR047H

OIL IN STREAM BED: Y

OVERALL OIL IMPACT: L

OIL ON BEACH BY MOUTH: Y

WAVE EXPOSURE: HIGH

SHORELINE TYPE: BEACH

SUBSTRATE TYPE: BEDROCK 10	BOULDER	COBBLE	VEGETAT
GRAVEL	SAND 90	MUD/SILT	GRANULE

ANADROMOUS FISH PRESENT: Y

SPECIES: PINK SALMON

COUNT: 25

ADF&G MULTI-ASSESSMENT FORM
1991 OILING ENTRY CHECKLIST

OK

PAGE 74

DATE PRINTED: 08/19/91

STREAM# : 2423110125
SEGMENT#: RB003

SURVEY TYPE : 89 AFHS - SS
DATE: 09/10/89
TIMES: 1600 -

LOCATION: ROCKY BAY, PICNIC HARBOR,
FIRST STREAM EAST OF
TEAM RECORDER: RANDALL

-- OILING EXTENT --

SITE#	SITE TYPE	DEPTH (cm)	LENGTH (m)	WIDTH (m)	AREA (m)	%	THICK (cm)	PEN (cm)	OIL TYPE CODES
2			60	20	1200	5	1-5	5	MOR
1			20	1	20	50	.25	0	CT
3			60	5	300	3	1-5	3	MOR

COMMENTS:

SITE 15-1. MOUSSE PATTIES $\frac{1}{2}$ - 4" IN DIAMETER, ~4' APART WITHIN STREAM.
SPORADIC OIL COVERAGE OF ENTIRE WEST SIDE OF STREAM, OUTSIDE CHANNEL.

Mousse patties on beach adjacent stream mouth at high tide ~~line~~ line.
Rock wall on west side of stream is coated with oil.

↓
Doug, please check. This is from the fishhab form.

→ Pink salmon found in upper stream area just below lake outlet.

DOH
8/29/91

INFO on this page was derived from conversation with Lee Glenn, 1989 survey & dimensions passed off in 1990 DDW 10/8/91



Site 15-1

Rocky Bay 1st Stream East Picnic

ASC NUMBER: 242-31-10125 SEGMENT NUMBER: RB-3 YR CATALOGED:

LOCATION: Rocky Bay 1st Stream east Picnic Hbr

MAP NAME: LOCAL STREAM #:

QUADRANGLE: Seldovia B-4

SHORELINE TYPE: Beach ALL SEGMENTS:

WAVE EXPOSURE: High

LATITUDE: 59 15 35

LONGITUDE: 151 24 45

LEGAL: S 11S 13W 2

ASC NUMBER:

SURVEY TYPE: SS

METHOD: FOOT

DATE: 9/10/89

START TIME: 1600

STOP TIME: ?

TEAM RECORDER: Rick Randall

OBSERVERS:

AGENCY(IES): ADF46

PHOTOS TAKEN?

Roll #: RDR-16 Frames: 4 → 7

VIDEO TAKEN? Tape Number: 89LP6011H

Counter Start: 0961 → 1722

89R2047H

SAMPLES TAKEN?

SAMPLE I.D. NUMBERS: 1. RDR-9/10/89-1643 2. 3. 4. 5. 6.

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1	20	1	20	50	.25	0	CRF CT
SITE 2	60	20	1200	5	1 to 5	5	MOR
SITE 3	60	5	300	3	1 to 5	3	MOR
SITE 4							
SITE 5							

OVERALL OIL IMPACT: L

OIL IN STREAM CHANNEL? Yes

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? Yes

SUBSTRATE

Bedrock /0	Granule
Boulder	Sand 90
Cobble	Silt
Pebble	Veget.

SPECIES					
Pinks					
COUNT	25				

COMMENTS: Mousse patties 1/2 - 4 inch in diameter approx. 4 ft apart within stream.

Sporadic oil coverage of entire west side of stream, outside channel.

Doug - pls check

OK, see added comments on previous page

DOM
8/29/91
ACE 10459721 4/5/96

FISH HABITAT ASSESSMENT FORM

Rocky Bay, First Stream East of Picnic Harbor

1 REGION: 2 PWS 3 KP, CI 4 K, A 5 OBSERVER(S) Lee Glenn Rick Randall

6 SITE NO. 15-1 7 AERIAL PHOTO NO. 4, 5, 6, 7 8 CAT NO. NC

9 STREAM NAME _____ 10 LAT 59° 15' ~~35~~ 11 LONG 151° 24' ~~45~~

12 DATE 9/10/89 13 TIME 1600 14 TIDE: Low slack Flood High slack Ebb

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. RDR-9/10/89-1585 ^{1643 DO Hill}

21 35 mm PICTURES TAKEN? Y N 22 ROLL NO(S). RDR-16

23 EXPOSURE NO.	24 DESCRIPTION
<u>4</u>	<u>Aerial photo of Beach, Stream, & Lake</u>
<u>5</u>	<u>11</u>
<u>6</u>	<u>Aerial photo of lake, looking toward beach</u>
<u>7</u>	<u>11</u>

25 VIDEO FOOTAGE TAKEN? Y N 26 CASSETTE NO(S). 89-LPG-011-H

27 DESCRIPTION: Discretion of oiling on beach & beside & in stream.

ANADROMOUS FISH OBSERVATIONS

PINK CHUM RED KING COHO DOLLY

Aerial								
Ground	25							

30 COMMENTS: Pink Salmon were found in upper stream area just below lake outlet

OIL OBSERVATIONS

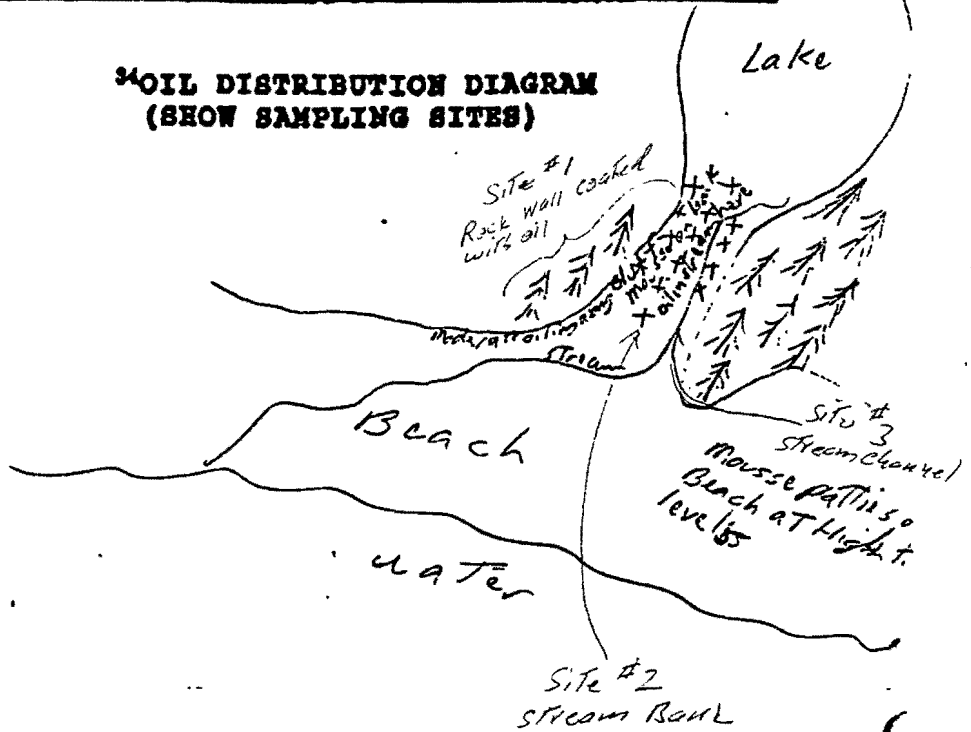
EXTENT OF OIL:

	WITHIN STREAM	OUTSIDE STREAM
31 SURFACE COVERAGE	Mousse Patches 1/2" to 4" in diameter, approx every 4' apart	Sporadic coverage of entire West side of stream
32 SURFACE THICKNESS	UP TO 1"	down to 1"
33 PENETRATION	Up to 1/2"	down to 1"

34 OIL DISTRIBUTION DIAGRAM (SHOW SAMPLING SITES)

35 PREDOMINANT SUBSTRATE TYPE:

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



36 COMMENTS: Stream is non-tidal from mouth up to lake outlet.

[Handwritten initials]

OK

FISH HABITAT ASSESSMENT FORM

Rocky Bay, First Stream East of Picnic Harbor

¹REGION: ²PWS ³KP, CI ⁴R, A ⁵OBSERVER(S) *Lee Glenn*
Rich Randall

⁶SITE NO. 15-1 ⁷AERIAL PHOTO NO. 4, 5, 6, 7 ⁸CAT NO. NC

⁹STREAM NAME _____ ¹⁰LAT 59° 15' ~~35~~ ¹¹LONG 151° 24' ~~45~~

¹²DATE 9/10/89 ¹³TIME 1600 ¹⁴TIDE: Low slack Flood High slack Ebb

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

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

¹⁹OIL SAMPLES TAKEN? N ²⁰ID NOS. RDR-9/10/89-1685 *164300 Hill*

²¹35 mm PICTURES TAKEN? N ²²ROLL NO(S). RDR-16

²³ EXPOSURE NO.	²⁴ DESCRIPTION
<u>4</u>	<u>Aerial photo of Beach, Stream, & Lake</u>
<u>5</u>	<u>11</u>
<u>6</u>	<u>Aerial photo of lake, looking toward beach</u>
<u>7</u>	<u>11</u>

²⁵VIDEO FOOTAGE TAKEN? N ²⁶CASSETTE NO(S). 89-LPG-011-H

²⁷DESCRIPTION: Discretion of oiling on beach & beside in stream.

ACE 10459724

ACE 7380513

ANADROMOUS FISH OBSERVATIONS

	PINK	CHUM	RED	KING	COHO	DOLLY		
28 Aerial	-							
29 Ground	25							

30 COMMENTS: Pink Salmon were found in upper stream area just below lake outlet

OIL OBSERVATIONS

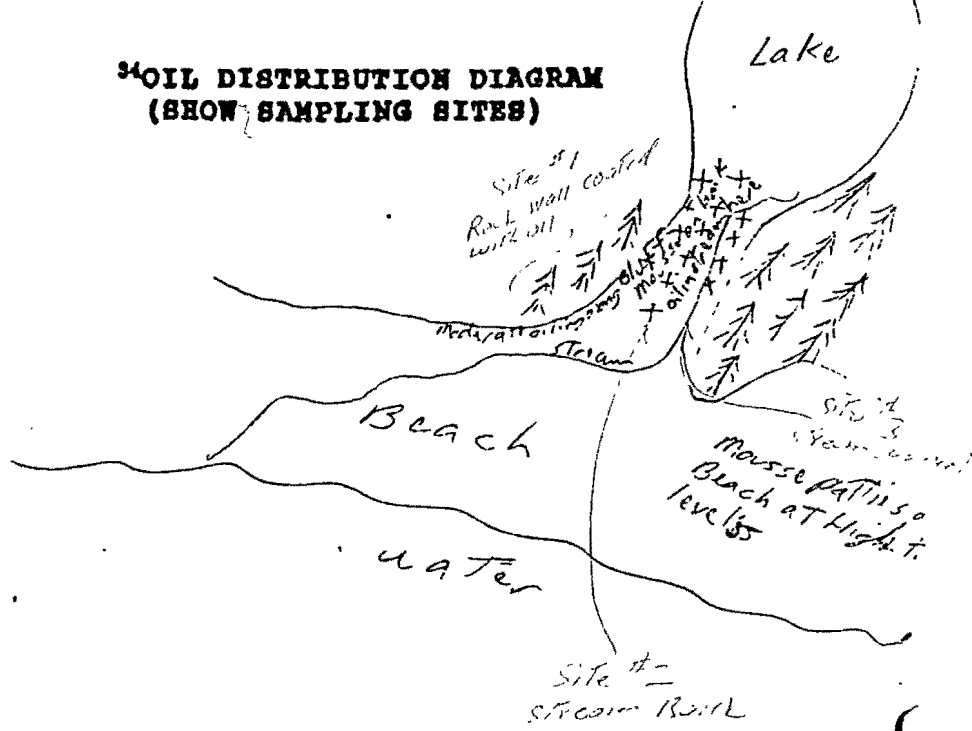
Site 15-1

EXTENT OF OIL:

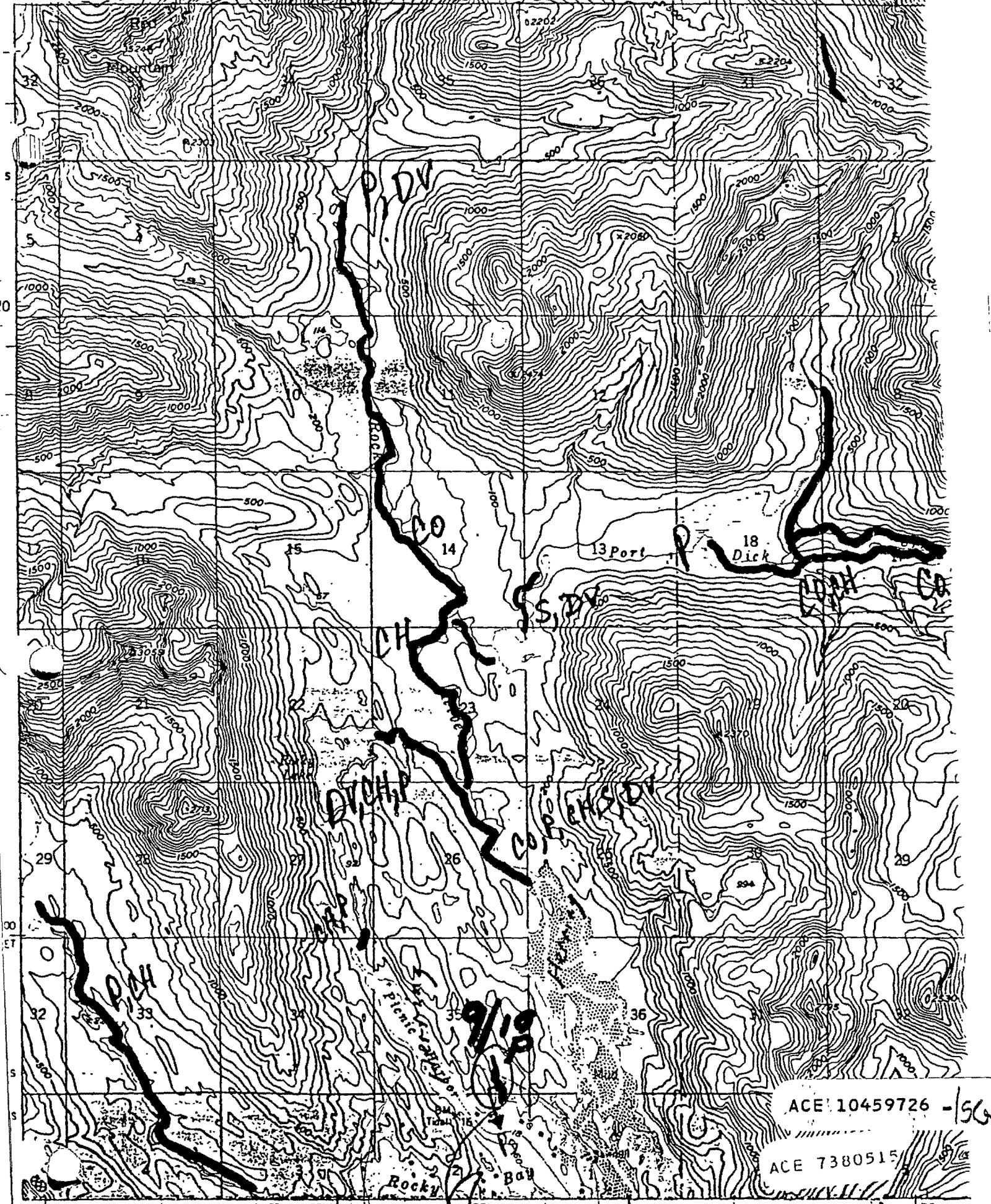
	WITHIN STREAM	OUTSIDE STREAM
31 SURFACE COVERAGE	Mousse Patches 1/2" to 4" in diameter, approx every 4" apart	Sporadic coverage of entire westside of stream
32 SURFACE THICKNESS	UP to 1"	down to 1"
33 PENETRATION	up to 1/2"	down to 1"

34 OIL DISTRIBUTION DIAGRAM (SHOW SAMPLING SITES)

- 35 PREDOMINANT SUBSTRATE TYPE:
1. Bedrock
 2. Boulder
 3. Cobble
 4. Gravel
 5. Sand
 6. Mud
 7. Other _____



36 COMMENTS: Stream is non-tidal from mouth up to lake outlet.



ACE 10459726 -156

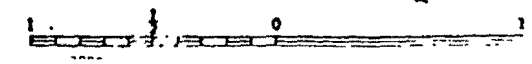
ACE 7380515

Mapped, edited, and published by the Geological Survey
Control by USC&GS and USCE

Topography by photogrammetric methods from aerial photographs

SITE
15-1

SELDOVIA (B-4)



Site 15-1

Rocky Bay 1st Stream East Picnic

ASC NUMBER: 242-31-10125 SEGMENT NUMBER: RB-3 YR CATALOGED:

LOCATION: Rocky Bay 1st Stream east Picnic Hbr

MAP NAME:

NAK K-UNIT: LOCAL STREAM #:

USGS QUADRANGLE: Seldovia B-4

SHORELINE TYPE: Beach ALL SEGMENTS:

WAVE EXPOSURE: High

LATITUDE: 59 15 35

LONGITUDE: 151 24 45

LEGAL: S 11S 13W 2

ASC NUMBER:

SURVEY TYPE: SS

METHOD: FOOT

DATE: 9/10/89

START TIME: 1600

STOP TIME: ?

TEAM RECORDER: Rick Randall

OBSERVERS:

AGENCY(IES): ADF&G

PHOTOS TAKEN?

Roll #: RDR-16 Frames: 4 → 7

VIDEO TAKEN? Tape Number: 89LP6011H

Counter Start: 0961 → 1722

10/2/91
DDN

SAMPLES TAKEN?

SAMPLE I.D. NUMBERS: 1. RDR-9/10/89-1643 2. 3.

4. 5. 6.

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1	20	1	20	50	.25	0	COAT
SITE 2	60	20	1200	5	1 to 5	5	MOR
SITE 3	60	5	300	3	1 to 5	3	MOR
SITE 4							
SITE 5							

OVERALL OIL IMPACT: **NL**

OIL IN STREAM CHANNEL? **Yes**

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? **Yes**

SUBSTRATE

Bedrock /0	Granule
Boulder	Sand 90
Cobble	Silt
Pebble	Veget.

SPECIES				
Pinks				
COUNT	25			

COMMENTS:

FISH HABITAT ASSESSMENT FORM

Rocky Bay, First Stream East of Picnic Harbor

1 REGION: 2 PWS 3 KP, CI 4 X, A 5 OBSERVER(S) Lee Glenn Rick Randall

6 SITE NO. 15-1 7 AERIAL PHOTO NO. 4, 5, 6, 7 8 CAT NO. NC

9 STREAM NAME _____ 10 LAT 59° 15' ~~55~~ 35 11 LONG 151° 24' ~~30~~ 45

12 DATE 9/10/89 13 TIME 1600 14 TIDE: Low slack Flood High slack Ebb

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. RDR-9/10/89-1685 ^{1643 DO Hill}

21 35 mm PICTURES TAKEN? Y N 22 ROLL NO(S). RDR-16

23 EXPOSURE NO.	24 DESCRIPTION
<u>4</u>	<u>Aerial photo of Beach, Stream, & Lake</u>
<u>5</u>	<u> </u>
<u>6</u>	<u>Aerial photo of lake, looking toward-beach</u>
<u>7</u>	<u> </u>

25 VIDEO FOOTAGE TAKEN? Y N 26 CASSETTE NO(S). 89-LP6-011-H

27 DESCRIPTION: Discription of oiling on beach & beside & in stream.

ACE 10459728

ACE 7380513

ANADROMOUS FISH OBSERVATIONS

PINK CHUM RED KING COHO DOLLY

28	Aerial							
29	Ground	25						

30 COMMENTS: Pink Salmon were found in upper stream area just below lake outlet

OIL OBSERVATIONS

Site 15-1

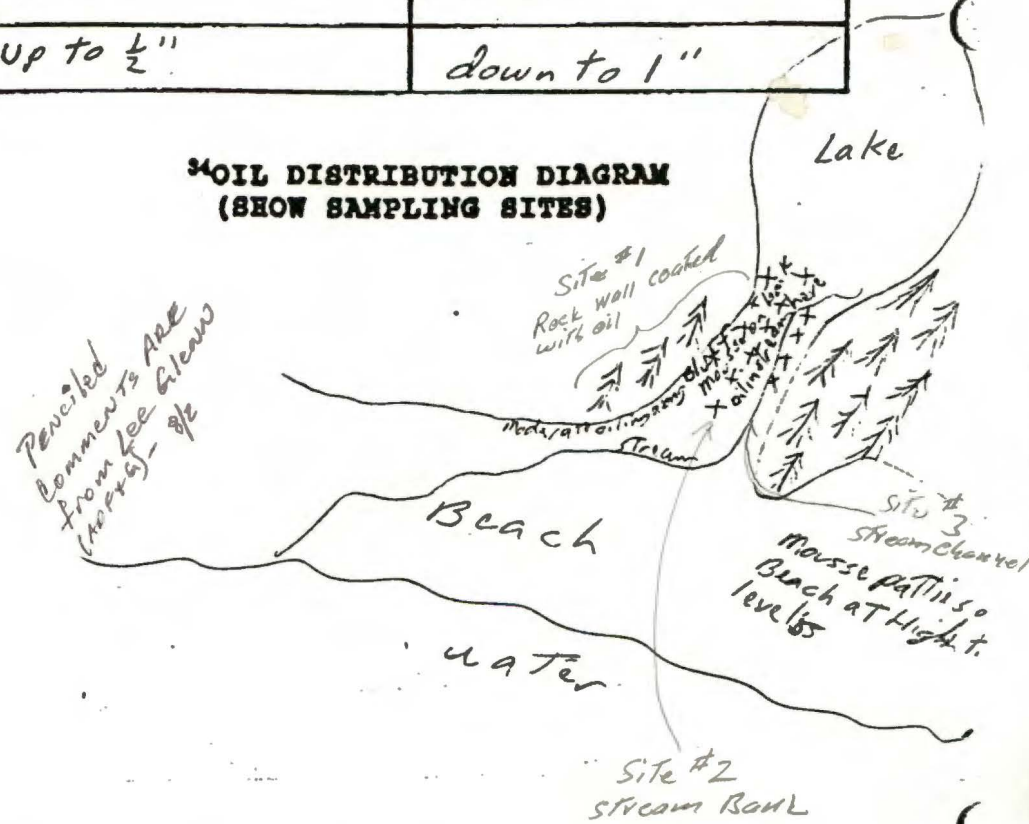
EXTENT OF OIL:

	WITHIN STREAM	OUTSIDE STREAM
31 SURFACE COVERAGE	Mousse Patches 1/2" to 4" in diameter, approx every 4' apart	Sporadic coverage of entire West side of stream
32 SURFACE THICKNESS	UP TO 1"	down to 1"
33 PENETRATION	up to 1/2"	down to 1"

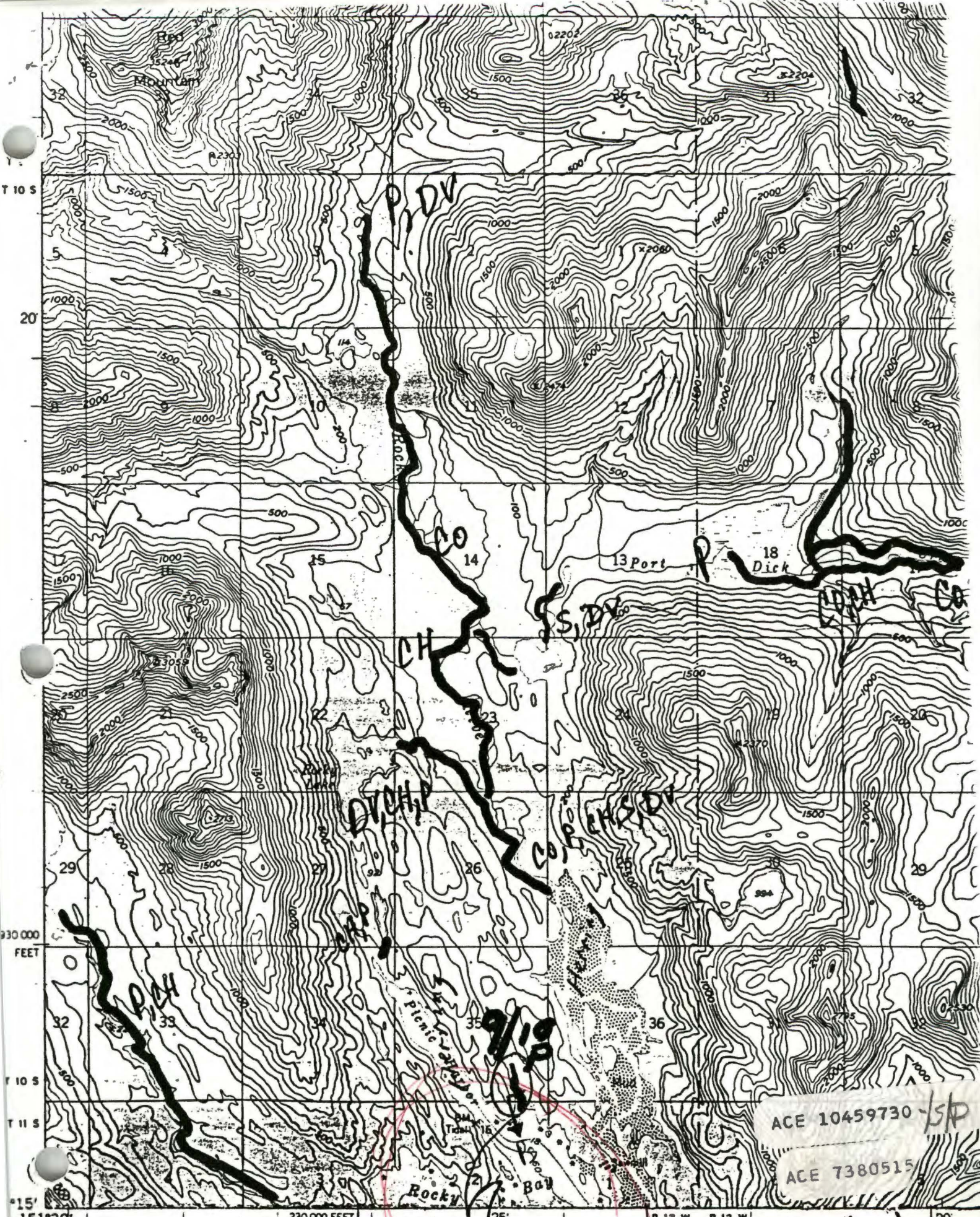
34 OIL DISTRIBUTION DIAGRAM (SHOW SAMPLING SITES)

35 PREDOMINANT SUBSTRATE TYPE:

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



36 COMMENTS: Stream is inter-tidal from mouth up to lake outlet.



T 10 S
5
20
29
32
T 11 S
15'

230 000 FEET
R 13 W
R 12 W
20

Mapped, edited, and published by the Geological Survey
Control by USC&GS and USCE
Topography by photogrammetric methods from aerial photographs

SITE
15-1

SELDOVIA (B-4)



MAYSAP - Rocky Bay
1st Stream East Picnic Hbr

ADF&G MULTI-ASSESSMENT DATA FORM
ANAD

- 1) SURVEY TYPE: BS SS
- 2) REGION: PWS KP, CI K, AP
- 3) METHOD: Aerial Ground Boat
- 4) DATE: 5/15/91 16) HIGH TIDE TIME: 0341/1649 22) TEAM RECORDER: Duncan Fife Gerald (as) Doug Hill (ADF&G)
- 5) START TIME: 1050 17) HIGH TIDE HTS: 20.7/18.7 23) OBSERVERS: Lee Glenn (ADF&G)
- 6) STOP TIME: 1120 18) LOW TIDE TIMES: 0935/2140 24) AGENCY: _____
- 7) SEGMENT #: RB-3A 19) LOW TIDE HTS: -4.7/1.5 25) PHOTOS TAKEN: Y N
- 8) K-UNIT: _____ 20) TIDE HT AT SURVEY: 11.0/1.5 ROLL #: 9100H02H FRAMES: 30 → 36
- 9) LAT: 59 15 35 Ebb Slack Flood Slack *See other side of page
- 10) LONG: 151 24 45 21) USCG QUAD: Seldovia B-4 26) VIDEO TAKEN: Y N
- 11) ASC #: 241-31-10125 TAPE # _____
- 12) STREAM NAME: _____ START: _____ STOP: _____
- 13) LOCATION: KPOG, Rocky Bay, 1st Stream East Picnic Hbr. 27) SAMPLES TAKEN? Y N
- 14) WAVE EXPOSURE: High Moderate Low SAMPLE I.D. _____
- 15) SHORELINE TYPE: Headland Low-lying Rocks Beach
 Cove Lagoon Marsh

28) EXTENT OF OIL

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1	—	—	.5	100	5	5	MS/SOR/Sheen
SITE 2	3	1	3	41	—	—	CT/ST
SITE 3							
SITE 4							
SITE 5							

- 29) OVERALL OIL IMPACT:
- H = >6m band with ≥50% oil coverage
 - M = >6m band with < 50% oil coverage or ≥3m to ≤6m with ≥10% oil coverage
 - L = <3m band with >10% oil coverage
 - VI = ≤10% oil coverage regardless of band width
 - N = No oil observed
- 33) ANADROMOUS FISH PRESENT: Y N
- 34) WILDLIFE OBSERVATION
- Species _____ Number _____
- Fine Bidarki (chiton) beach at low tide.

- 30) OIL IN STREAMBED: Y N
- 31) OIL ON BEACH ADJACENT TO MOUTH: Y N
- 32) SUBSTRATE TYPE (PERCENT):
- Bedrock 10% Boulder _____ Gravel _____ Sand 90% Cobble _____ Mud/Silt _____

35) COMMENTS: Oil may be buried by sand as much sand has been deposited in the stream channel where the oil was observed in the past. Lee Glenn observed oil in the stream channel in 1989 & 1990. Veco workers picked up the patch of mousse that was observed today.

This is an adromous stream - It doesn't take commercially harvestable (profitable) run to make a "salmon stream".

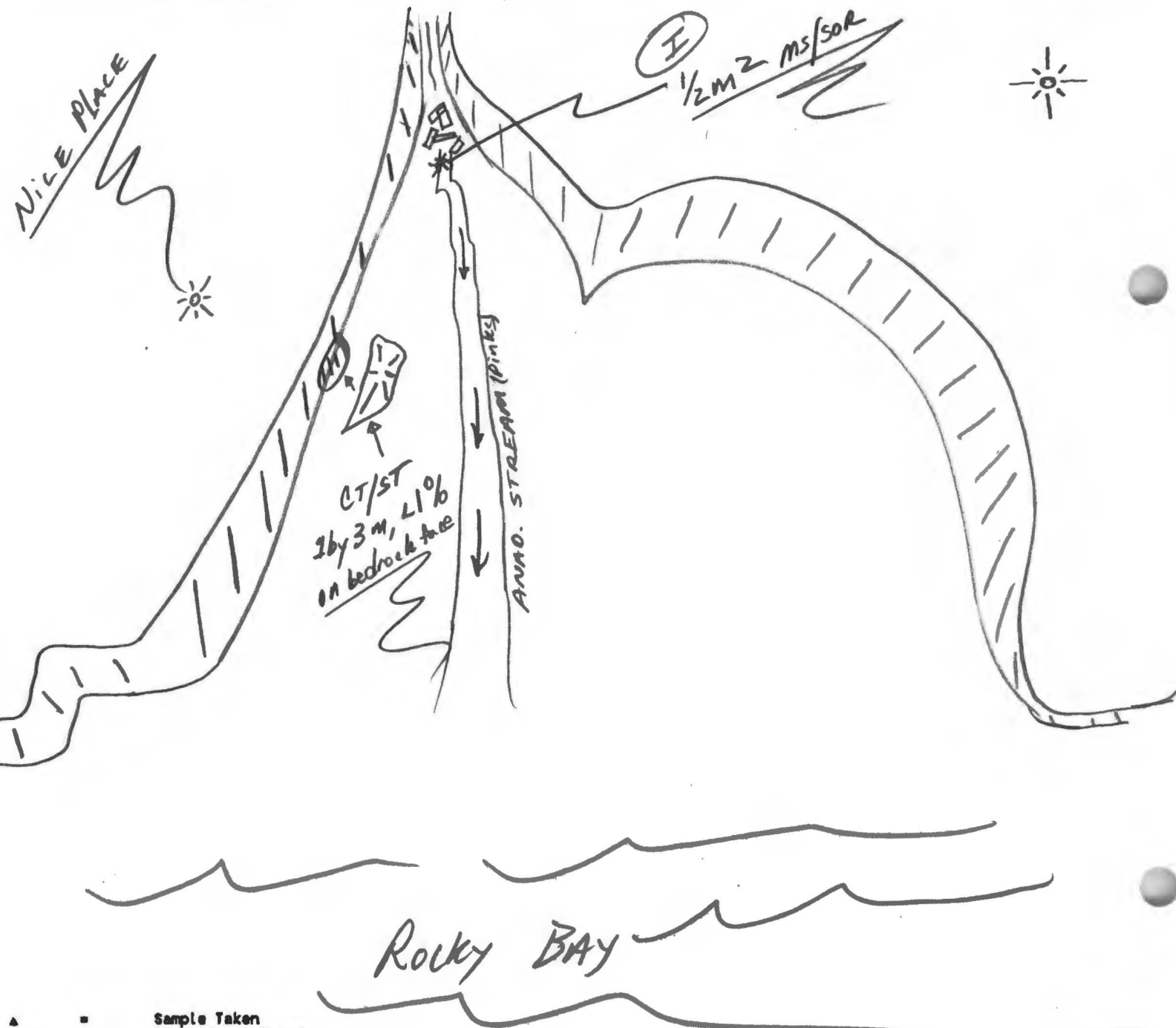
FRAME(S)

DESCRIPTION

30
31
32
33
34
35
36

ADF+G
Photos

* See MAYSAP photo location map
 Gary Shigenaka of NOAA took photos ROLL # 6-15
 Frame # 19-23
 usca Rep. getting shoes cleaned while entering helo
 Lee Glenn (ADF+G)
 Doug Hill (ADF+G)
 Doug Hill (ADF+G) Tom Schroeder (EXxon)
 Lee Glenn (ADF+G), Seraphim Meganick (Port Graham), Rex Coulter (EXxon)
 Doug Hill (ADF+G), " " " " "
 Gary Shigenaka (NOAA), Duncan Fitzgerald (OG)



Sample Taken
 Photo Frame # and
 Shot Direction

ADF&G MULTI-ASSESSMENT FORM
1991 GENERAL ENTRY CHECKLIST



STREAM#: 2423110125
SEGMENT: RB003

PAGE 23

DATE PRINTED: 06/21/91

LOCATION: ROCKY BAY, PICNIC HARBOR, FIRST STREAM EAST OF

SURVEY TYPE: 90 PRE SCREEN - ~~BS~~ 55

METHOD: GROUND

DATE: 04/07/90

TEAM RECORDER: HILL

START TIME: 0706

OBSERVERS: GLENN

END TIME: 0748

OG/HAB DISCREPANCIES: -

AGENCY: FG

PHOTOS TAKEN: N

STATION: 2423110125

ROLL#: -0-

FRAME: -0-

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: VL

OIL ON BEACH BY MOUTH: Y

WAVE EXPOSURE: HIGH

SHORELINE TYPE: LOW-LYING ROCKS BEACH

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

GRAVEL -0- SAND 90 MUD/SILT -0- GRANULE -0-

ANADROMOUS FISH PRESENT: -

SPECIES: -0-

COUNT: -0-

-0-

-0-

-0-

-0-

-0-

-0-

-0-

-0-

ADF&G MULTI-ASSESSMENT FORM
1991 OILING ENTRY CHECKLIST



PAGE 26

DATE PRINTED: 06/21/91

STREAM# : 2423110125
SEGMENT#: RB003

SURVEY TYPE : 90 PRE SCREEN - ~~BS~~ *99* LOCATION: ROCKY BAY, PICNIC HARBOR,
DATE: 04/07/90 FIRST STREAM EAST OF
TIMES: 0706 - 0748 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-	1	1	1	100	1	1	LSOR

COMMENTS:

MOUTH OF CREEK - WEST SHORE - OIL COVERED BARNACLES ON ROCK FACE.
BARNACLES FALL OFF ROCK SUBSTRATE EASILY (DEAD), SIMILAR TO SCRAPING DRY CRUST OFF A PIE TIN. 1-4 MM COVER OF OIL. OIL/SHEEN SATURATED GRAVEL/SAND ON WEST SIDE OF STREAM (BETWEEN THE CANYON LIKE WALLS). SUBSTRATE FROZE SOLID. MINIMAL AMOUNT OF OIL OBSERVED IN STREAM CHANNEL (PERHAPS ONLY ABOUT 3 SQUARE FEET). THIS OIL WAS FOUND JUST BELOW LOG JAM, SEE 1990 PRE-SCREEN MAP FROM 4/11/90. ONE MURRE OBSERVED. LAND OTTER OBSERVED ON THIS BEACH. SITE 15-1 OF 1989 ANADROMOUS FISH HABITAT ASSESSMENT.
OIL ON STREAM BANKS: YES
OIL WITHIN 1 MILE OF STREAM: YES, RB004

ASC NUMBER: 242-31-10125 SEGMENT NUMBER: RB-3
 LOCATION: KPO4, Rocky Bay, 1st stream East Picnic Hbr.
 STREAM NAME:
 IAK K-UNIT: LOCAL STREAM #:
 UGS QUADRANGLE: Seldovia B-4
 SHORELINE TYPE: low lying Rocks, Beach ALL SEGMENTS:
 WAVE EXPOSURE: high

YR CATALOGED:

LATITUDE: 59 15 35
 LONGITUDE: 151 24 45
 LEGAL:

ASC NUMBER:
 SURVEY TYPE: Pre-screening
 METHOD: Foot
 DATE: 4 / 7 / 90
 START TIME: 0706
 STOP TIME: 0748

TEAM RECORDER: Doug Hill
 OBSERVERS: Lee Gledhill

AGENCY(IES): ADF&G

PHOTOS TAKEN? NO
 Roll #: Frames:
 VIDEO TAKEN? N 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	1	1	1	100	1	1	LSOL
SITE 2	SEE	SEE	SEE	SEE	SEE	SEE	SEE
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT: VL

OIL IN STREAM CHANNEL? Yes

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? Yes

SUBSTRATE

Bedrock 10% Granule
 Boulder Sand 70%
 Cobble Silt
 Pebble Veget.

SPECIES					
COUNT					

COMMENTS: Mouth of creek - west shore - oil covered barnacles on rock face. Barnacles fall off rock substrate easily (Dead) - similar to scraping dry crust off a plate. 1-4 mm cover of oil.
 - oil/sheen saturated gravel/sand on west side of stream (between the canyon like walls). Substrate froze solid.
 - Minimal amount of oil observed in stream channel (perhaps only about 3 square feet). This oil was found just below log jam - see 1990 pre-screen map. from 4/11/90
 - one murre observed
 - Land otter observed on this beach

* Site 15-1 of 1984 Anad. fish habitat assessment

** See field log for further info.

ACE 10459733 +1/5/90

Pre-screening
1st East Picnic Hbr

ADF&G MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: (BS) SS DS TS AVS SCHA MHHS PTA 2 REGION: PWS (KP, CI) K, AP
 METHOD: Aerial (Ground) Boat
 3 DATE: 4/7/90 15 HIGH TIDE TIMES: 0102 11310 21 TEAM RECORDER: Doug Hill
 4 START TIME: 10706 16 HIGH TIDE HTS: 11.8 11.5 22 OBSERVERS: Lee Glenn
 5 STOP TIME: 10748 17 LOW TIDE TIMES: 0702 1915 23 AGENCY: ADF&G
 6 SEGMENT #: RB-3 18 LOW TIDE HTS: 1.3 10.5 24 PHOTOS TAKEN: (1) N
 7 STATION #: _____ 19 TIDE HT AT SURVEY: _____ Roll #: _____ Frame: _____
 8 K-UNIT: _____ Ebb Slack Flood Slack 25 VIDEO TAKEN: Y N TAPE#: _____
 9 STAT AREA: 242-31 20 USCG QUAD: Selkovia A-5 Start: _____ End: _____
 10 LAT: 59° 15' 35" 11 LONG: 151 24 45 26 SAMPLES TAKEN? Y N Number
 12 SOURCE: Map Loran Oil _____
 13 LOCATION: Rocky Bay - 1st Stream East Picnic Hbr Sediment _____
 14 DESCRIPTION: Low Angle SAND Beach / log Jam Biological _____
 Water _____

EXTENT OF OIL

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

36 CATALOGED ANAD. FISH STREAM? (Y) N
 37 CATALOG #: 242-31-10125
 38 STREAM NAME: _____
 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

30 OVERALL OIL IMPACT: N VL L M H
 31 OIL TYPE: Pooled Mousse Tar Asphalt (Sticky) (Stain)
 32 OILED DEBRIS? (0) N
 33 SHORELINE TYPE: Headland (Low-lying Rocks) (Beach) Cove
 Lagoon Harsh
 34 WAVE EXPOSURE: (High) Moderate Low
 35 SUBSTRATE TYPE: Bedrock 10 Boulder _____ Cobble _____
 Gravel _____ Sand 90 Mud/silt _____

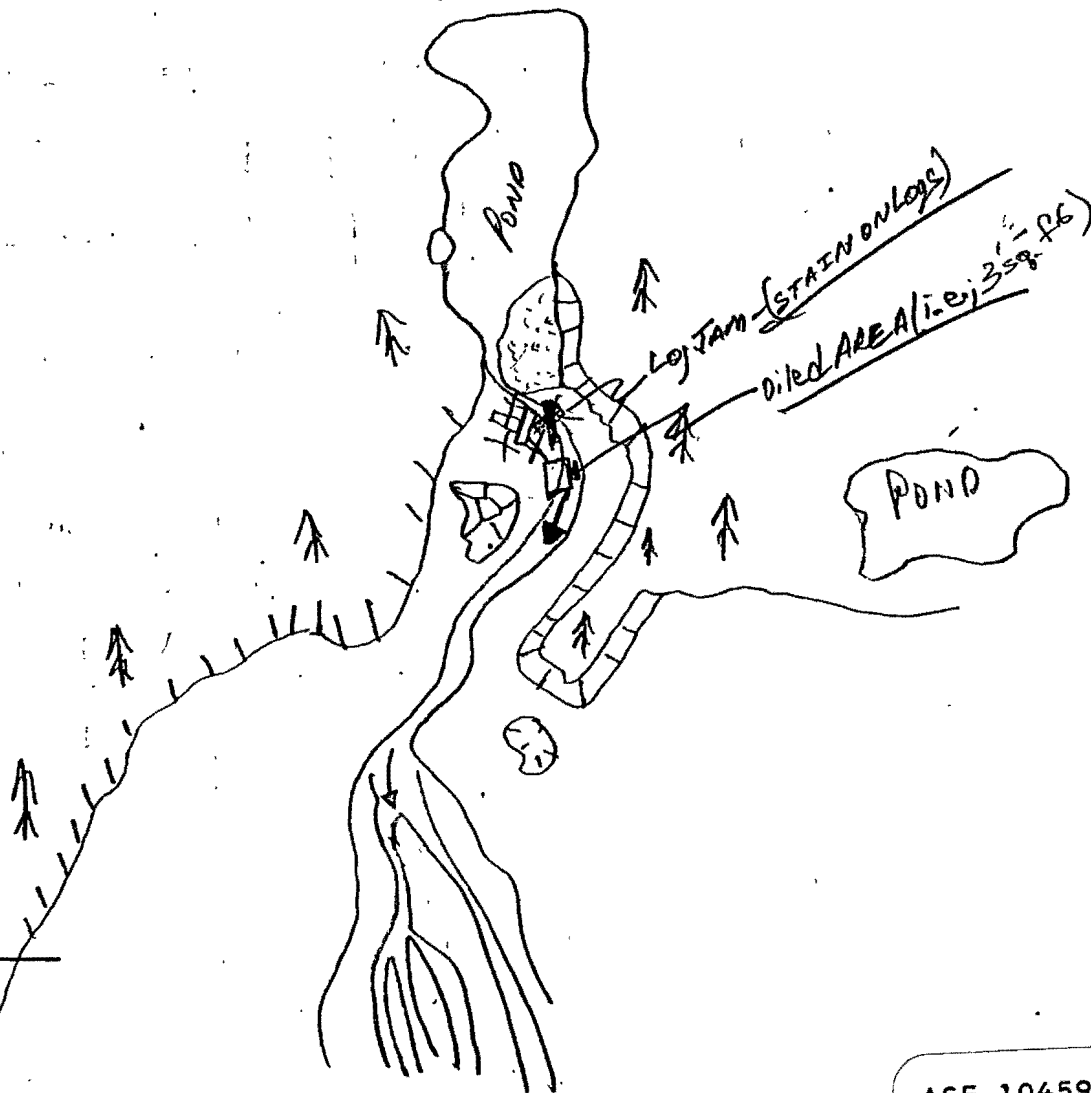
Where: RB-4
 43 ANADROMOUS FISH PRESENT? Y (N)
 44 ANADROMOUS FISH OBSERVATION
 Species Aerial Ground

COMMENTS: Dil Coated barnacles on west shore - rock face (west shore of stream). Barnacles fall easily off substrate (DEAD) - like scraping dry crust off pie tin. Oil/film saturated gravel/sand on west side of stream (between rock walls). Minimal amount of oil observed -> Perhaps only about 3 square feet on stream bed (between rock walls) (light SOL) observed LAND Oiler on beach at mouth of stream, land oiler tracks elsewhere, 2 common Murre (mouth of creek).

FRAME(S)

DESCRIPTION

48 OIL DISTRIBUTION DIAGRAM



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

ASC NUMBER: 242-31-10125 SEGMENT NUMBER: RB-3
 LOCATION: KPOC, Rocky Bay, 1st Stream East Picnic Hbr.
 STREAM NAME:
 TRAIL K-UNIT:
 USGS QUADRANGLE: Seldovia B-4
 SHORELINE TYPE: Low lying Rocks, Beach ALL SEGMENTS:
 WAVE EXPOSURE: high

YR CATALOGED:

LATITUDE: 59 15 35
 LONGITUDE: 151 24 45
 LEGAL:

ASC NUMBER:
 SURVEY TYPE: Pre-screening
 METHOD: Foot
 DATE: 4 / 7 / 90
 START TIME: 0706
 STOP TIME: 0748

TEAM RECORDER: Doug Hill
 OBSERVERS: Lee Klein

AGENCY(IES): ADF&G

PHOTOS TAKEN? NO
 Roll #: Frames:
 VIDEO TAKEN? N 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	1	1	1	100	1	1	LSOR
SITE 2							
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT: VL

OIL IN STREAM CHANNEL? Yes

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? Yes

SUBSTRATE

Bedrock 10%	Granule
Boulder	Sand 70%
Cobble	Silt
Pebble	Veget.

SPECIES					
COUNT					

COMMENTS: Mouth of creek - west shore - oil covered barnacles on rock face. Barnacles fall off rock substrate easily (Dead) → similar to scraping dry crust off a pie tin. 1-4 mm cover of oil.
 - oil/film saturated gravel/sand on west side of stream (between the canyon like walls). Substrate froze solid.
 - Minimal amount of oil observed in stream channel (perhaps only about 3 square feet). This oil was found just below log jam - see 1990 pre-screen map: from 4/11/90
 - one mussel observed
 - Land otter observed on this beach
 - numerous land otter tracks
 * Site 15-1 of 1989 Anad. fish habitat assessment
 ** See field log for further info.

ACE 10459736
 +1561/562

Pre-Screening
1st EAST Picnic Hbr

ADF&G MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: SS DS TS AVS SCHA MMHS PTA

2 REGION: PWS KP, CI K, AP

METHOD: Aerial Ground Boat

3 DATE: 4/7/90 15 HIGH TIDE TIMES: 0702 11310 21 TEAM RECORDER: Doug Hill

4 START TIME: 0706 16 HIGH TIDE HTS: 11.8 11.5 22 OBSERVERS: Lee Glenn

5 STOP TIME: 0748 17 LOW TIDE TIMES: 0702 11915 23 AGENCY: ADF&G

6 SEGMENT #: RB-3 18 LOW TIDE HTS: 1.3 10.5 24 PHOTOS TAKEN: N

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

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

9 STAT AREA: 242-31 20 USCG QUAD: Seldovia A-5 Start: _____ End: _____

10 LAT: 59° 15' 35" 11 LONG: 151 24 45 26 SAMPLES TAKEN? Y N Number

12 SOURCE: Map Loran Oil _____

13 LOCATION: Rocky Bay - 1st Stream East Picnic Hbr Sediment _____

14 DESCRIPTION: Oil Spill SAND Beach / log Jam 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	Tar	Asphalt	<input checked="" type="radio"/> Sticky	<input checked="" type="radio"/> Seain			
32 OILED DEBRIS?	<input checked="" type="radio"/> Y	<input type="radio"/> N							
33 SHORELINE TYPE:	Headland	<input checked="" type="radio"/> Low-lying Rocks	<input checked="" type="radio"/> Beach	Cove					
		Lagoon	Marsh						
34 WAVE EXPOSURE:	<input checked="" type="radio"/> High	Moderate	Low						
35 SUBSTRATE TYPE:	Bedrock <u>10</u>	Boulder _____	Cobble _____						
	Gravel _____	Sand <u>90</u>	Mud/silt _____						

36 CATALOGED ANAD. FISH SREAM? Y N

37 CATALOG #: 242-31-10125

38 STREAM NAME: _____

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

Where: RB-4

43 ANADROMOUS FISH PRESENT? Y N

44 ANADROMOUS FISH OBSERVATION

Species	Aerial	Ground

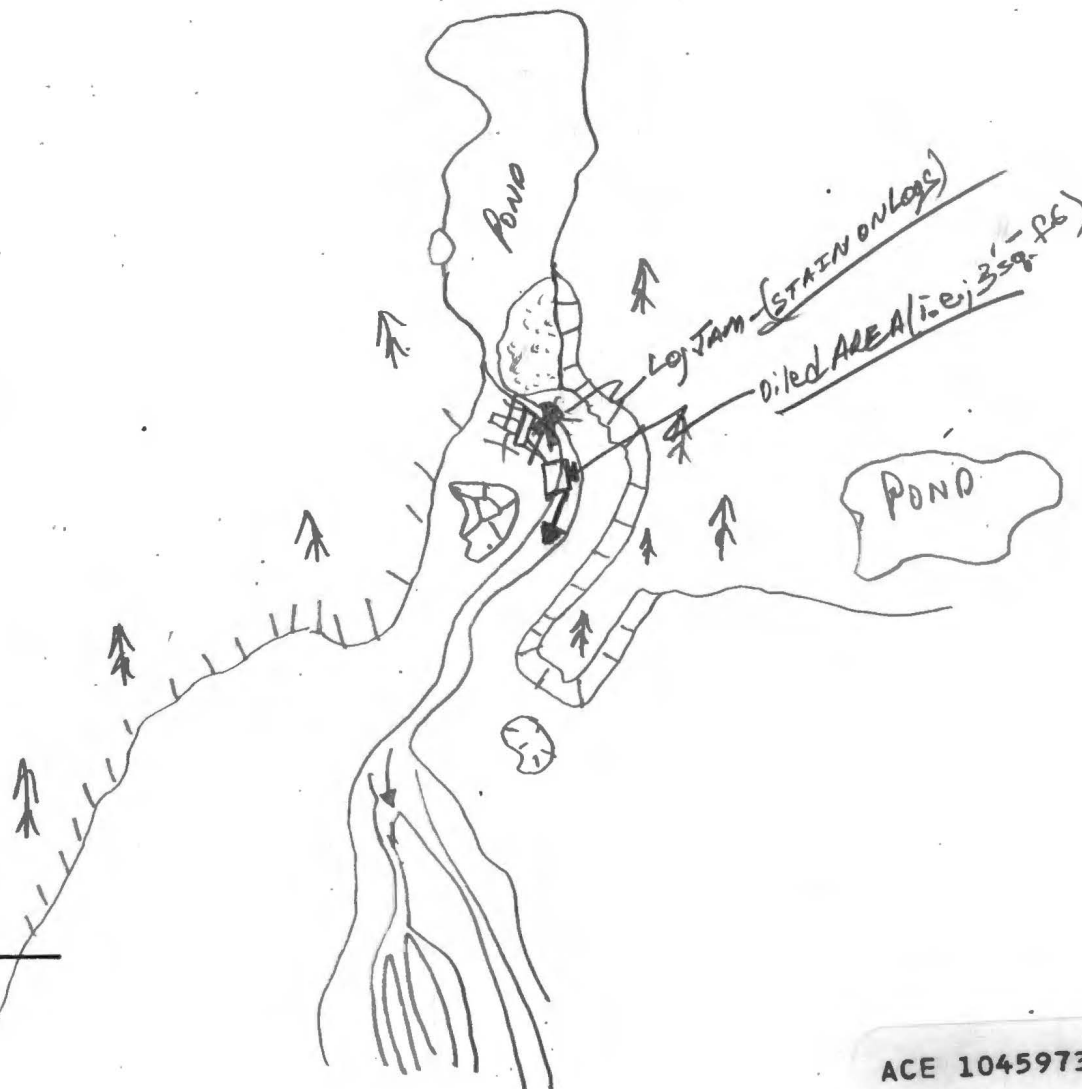
ACE 10459737

COMMENTS: Dil coated barnacles on west shore - rock face (west shore of stream). Barnacles fall easily off substrate (DEAD) - like scraping dry crust off pie tin. Oil/film saturated gravel/sand on west side of stream (between rock walls). Minimal amount of oil observed -> Perhaps only about 3 square feet on stream bed (between rock walls) (light SDR) observed LAND Oiler on beach at mouth of stream, land oiler tracks elsewhere, common Nucere (mouth of creek)

FRAME(S)

DESCRIPTION

46 OIL DISTRIBUTION DIAGRAM



ACE 10459738

SHORELINE EVALUATION

SEGMENT ST/ RB-03 SUBDIVISION A (1 OF 1) DATE 4/10/90

SEGMENT ENVIRONMENTAL SENSITIVITIES AND TIME CONSTRAINTS:

- 1A Salmon stream mouth - fry outmigration (4/15 to 7/31)
- 1B Salmon stream mouth - spawning (7/15 to 9/10)
- 8AA Sensitive Estuary

See attached Ecological Constraint sheet for specific constraints and contacts.

SUBDIVISION ECOLOGICAL CONSTRAINTS:

Avoid any unnecessary disturbance or damage to uncoiled biota and substrate.

ARCHAEOLOGICAL CONSTRAINTS:

If cultural resources are uncovered during shoreline treatment, stop work in the vicinity, mark the location of the find and contact a member of Exxon's Cultural Resource Program immediately (564-3657; 564-3658 or 564-3276).

SHPO SIGNATURE: Charles E. Adams DATE: 4/20/90

OILING CATEGORIZATION:

Wide 0 m: Medium 0 m: Narrow 0 m: V. Light 258 m: No Oil 402 m
Subsurface Oil Observed: Yes X No Maximum Depth 15 cm

(See note on OG Form, Comments section)

RECOMMENDATIONS:

- | | |
|---|--|
| <input type="checkbox"/> No Treatment Recommended | <input type="checkbox"/> Snare/Absorbent Booms |
| <input checked="" type="checkbox"/> Treatment Recommended | <input type="checkbox"/> Oil Snares (pom poms) |
| <input type="checkbox"/> Manual Pickup | <input type="checkbox"/> Absorbents (pads, rolls, etc) |
| <input type="checkbox"/> Bioremediation | <input type="checkbox"/> Spot Washing: <u> </u> Wands |
| <input checked="" type="checkbox"/> Tarmat: <u> </u> Breakup | <input type="checkbox"/> Beach Cleaner |
| <input checked="" type="checkbox"/> <u> </u> Removal | <input type="checkbox"/> Other (see comments) |

+ tarball

COMMENTS: Recommend tarmat removal as indicated on sketch map. Treatment should be conducted with consent of ADF&G Habitat Division due to Salmon stream constraints.

TAG COMMENTS: _____

TAG APPROVAL DATE: 4/20/90.

ADEC Art Weiner Art Weiner

EXXON Andy Tetz Andy Tetz

NOAA Burl Woodruff Burl Woodruff

USCG Kenneth Keane Kenneth Keane

ACE 10459739

FOSC: WJL DATE: 5-12-90

ACE 1941287

FIELD SHORELINE COMMENT SHEET

ASAP

SEGMENT AS / RB-3 SUBDIVISION: A SITE: 01 DATE 08 Aug 1990

JSCG

NAME AEC Vandepels SIGNATURE AEC Vandepels

YES NO PRIORITY SITE FOR REASSESSMENT IN 1991

REASON: Clean. No more work or reassessment required.

ADEC

NAME Clara S. Crosby SIGNATURE Clara S. Crosby

YES NO PRIORITY SITE FOR REASSESSMENT IN 1991

REASON: Not a priority site for reassessment '91.

LAND MANAGER

NAME Patrick Norman SIGNATURE Patrick Norman

YES NO PRIORITY SITE FOR REASSESSMENT IN 1991

REASON: No recoverable oil found.

EXXON

NAME Jon Czarnicki SIGNATURE Jon Czarnicki

YES NO PRIORITY SITE FOR REASSESSMENT IN 1991

REASON: Very little Oilery No Need to Reassess. in 91

ACE 10459740 +15

ACE 1941288 +15

ASAP SHORELINE OILING SUMMARY

TEAM NO. 04 EXXON Jon Czarnecki SEGMENT AS: RB-3
 OG: Rich Marty USGS/USCG AEC Vandepels SUBDIVISION A
 ADEC Clara Cosby LAND REP PAE Abrman (P.Gr) TOTAL NO. SITES 1
 DATE 08 / Aug / 90 TIME 12 :00 10 12 : 15 TIDE LEVEL 4' 10 4.5'

TOTAL EST LENGTH OF SHORELINE SURVEYED: 385 m ←
 SURVEYED FROM: Foot Boat Helo WEATHER: Sun Clouds' Fog Rain Snow
 OIL CATEGORY LENGTH: W — m M — m N — m VL — m NO 385 m US 274 m
← includes entire subdivision

CHARACTER	SITE 1				SITE 2				SITE 3															
	DISTRIBUTION				OILED ZONES				DISTRIBUTION				OILED ZONES											
	/C	/B	/P	/S	SU	UI	MI	LI	/C	/B	/P	/S	SU	UI	MI	LI	/C	/B	/P	/S	SU	UI	MI	LI
ASPHALT																								
S.O.R.																								
POOLED																								
COVER																								
COAT																								
STAIN																								
MOUSSE																								
PATTIES/T.B.																								
FILM																								
NO OIL					X	X	X	X																
EST. SITE LENGTH					385 m																			

SUBSURFACE OIL

SITE NO.	PIT NO.	PIT DEPTH (cm)	SUBSURFACE OIL CHARACTER				OILED INTERVAL (CM-CM)	CLEAN BELOW (Y/N)	PIT ZONE				SURFACE-SUBSURFACE SEDIMENTS
			OP	OR	OF	NO			SU	UI	MI	LI	
	NO	FORMAL	AL	PITS		.							
						.							
						.							
						.							
						.							
						.							
						.							
						.							
						.							
						.							
						.							
						.							
						.							

Photographs: ASAP-04 - CC
 Roll No. _____
 Frames _____

COMMENTS We found no oil on this beach -

ACE 10459741

REVISION NO. 7/27/90

ACE 1941289

SEGMENT ST/ RS-3A

ASAP Annotations
R.Marty 08/08/90

SKETCH MAP

SUBDIVISION A

DATE 9/10/90

CHECKLIST

- N Area
- Approx. Scale
- Sup/Sub Grid
- Oil Dist.
- Width
- Length
- % Cover
- Substrate Character
- Est. MARLINS
- SCL
- Profile Location(s)
- Profile(s)
- PB Location(s)
- Photo Location(s)

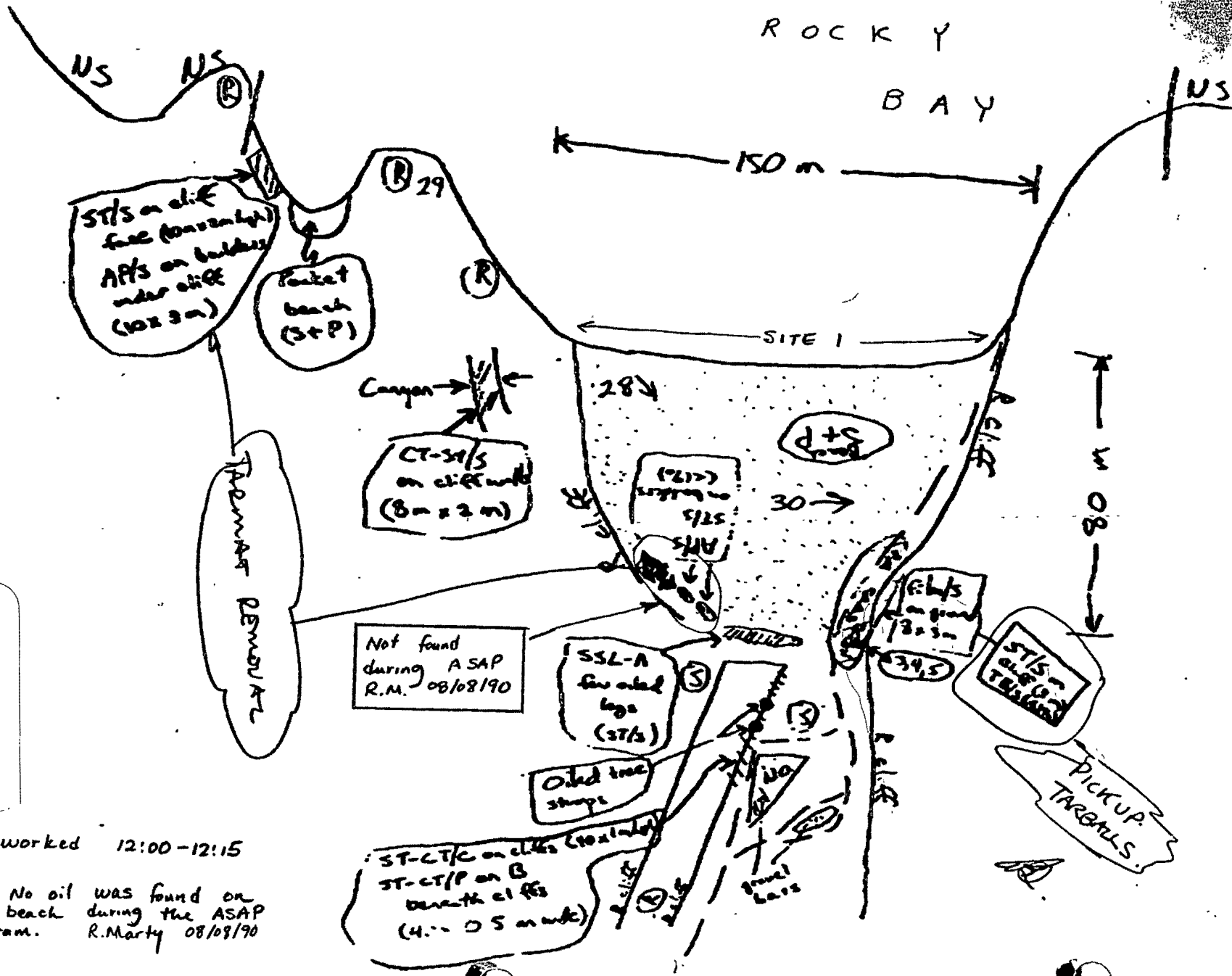
LEGEND

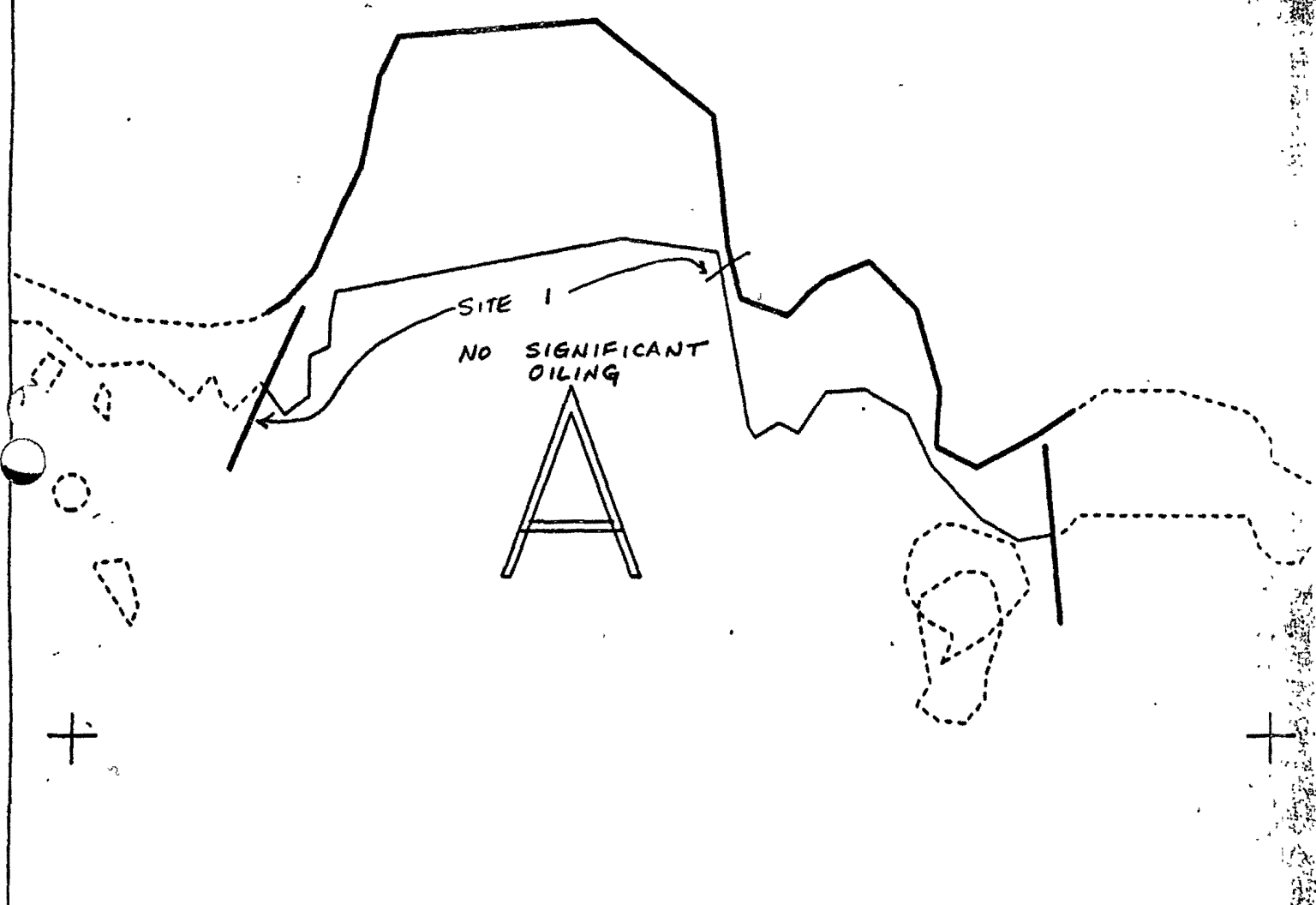
- ▲ A
- PR: No Substrate Oil
- ▲ A
- PR: Substrate Oil
- CT/C
- CT/B
- CT/P
- CT/S
- Oil Vegetation
- Photo location, direction, and number

ACE 10459742
ACE 1941290

worked 12:00 - 12:15

NOTE: No oil was found on this beach during the ASAP program. R.Marty 08/08/90



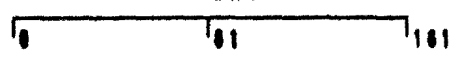


"SIGNIFICANT OILING"

ACE 10459743

yxxx Wide
 ./// Medium
 --- Narrow
 TTTT Very Light
 0000 No Oil

RB-3 A
 ADEC Subsegment Length: 659m
 METERS

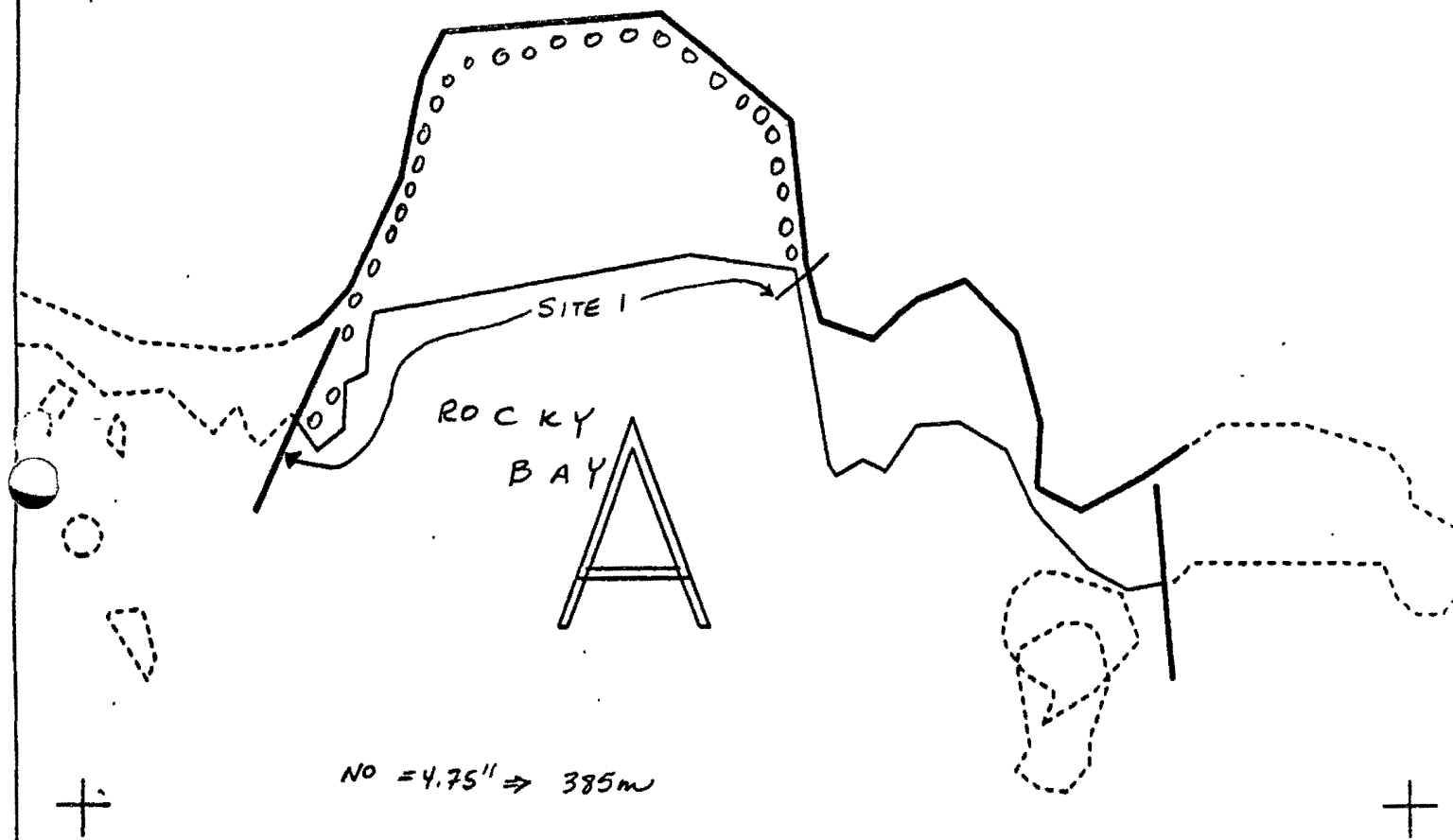


AK State Plane Zone 4 1:3177
 rrb-3a



Subdivision Field Map
 Map Key: KENRB-3A
 Name: Rich Marty
 Date: 08/08/90
 Data Entered:

ACE 1941291



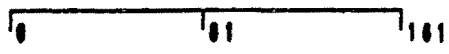
NO = 4.75" ⇒ 385m

"OIL DISTRIBUTION"

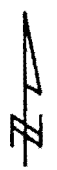
ACE 10459744 -15

- XXX Wide
- /// Medium
- Narrow
- TTTT Very Light
- 0000 No Oil

RB-3 A
 ADEC Subsegment Length: 659m
 METERS



AK State Plane Zone 4 1:3177
 arb-3a



Subdivision Field Map
 Map Key: KENRB-3A
 Name: Rich Marty
 Date: 08/08/90
 Data Entered:

ACE 1941292 -15

SHORELINE EVALUATION

SEGMENT ST/ RB-03 SUBDIVISION A (1 OF 1) DATE 4/10/90

SEGMENT ENVIRONMENTAL SENSITIVITIES AND TIME CONSTRAINTS:

- 1A Salmon stream mouth - fry outmigration (4/15 to 7/31)
- 1B Salmon stream mouth - spawning (7/15 to 9/10)
- SAA Sensitive Estuary

See attached Ecological Constraint sheet for specific constraints and contacts.

SUBDIVISION ECOLOGICAL CONSTRAINTS:

Avoid any unnecessary disturbance or damage to uncoiled biota and substrate.

ARCHAEOLOGICAL CONSTRAINTS:

If cultural resources are uncovered during shoreline treatment, stop work in the vicinity, mark the location of the find and contact a member of Exxon's Cultural Resource Program immediately (564-3657; 564-3658 or 564-3276).

SHPO SIGNATURE: *Charles E. Adams* DATE: 4/20/90

OILING CATEGORIZATION:

Wide 0 m: Medium 0 m: Narrow 0 m: V. Light 258 m: No Oil 402 m
Subsurface Oil Observed: Yes X No Maximum Depth 15 cm

(See note on OG Form, Comments section)

RECOMMENDATIONS:

- | | |
|--|--|
| <input type="checkbox"/> No Treatment Recommended | <input type="checkbox"/> Snare/Absorbent Booms |
| <input checked="" type="checkbox"/> Treatment Recommended | <input type="checkbox"/> Oil Snares (pom poms) |
| <input type="checkbox"/> Manual Pickup | <input type="checkbox"/> Absorbents (pads, rolls, etc) |
| <input type="checkbox"/> Bioremediation | <input type="checkbox"/> Spot Washing: <u> </u> Wands |
| <input checked="" type="checkbox"/> Tarmat: <input type="checkbox"/> Breakup | <input type="checkbox"/> Beach Cleaner |
| <input checked="" type="checkbox"/> Removal | <input type="checkbox"/> Other (see comments) |

COMMENTS: Recommend tarmat removal as indicated on sketch map. Treatment should be conducted with consent of ADF&G Habitat Division due to Salmon stream constraints. + tarball Consistent

SEE ADDITIONAL DATES 6/25/90 AP

TAG COMMENTS: _____

TAG APPROVAL DATE: 4/20/90.

ADEC ART WENNER Art Wenner

EXXON ANDY TETA Andy Teta

NOAA BILL WEAVER Bill Weaver

USCG KENNETH NEANE Kenneth Neane

FOSC: W L DATE: 5-12-90

ACE 10459745 #15

ACE 1941293 #15

ADDENDUM: SUBDIVISION CONSTRAINTS

SEGMENT RB-3 SUBDIVISION A (1 of 1)

WORK WINDOW

Tarmat Removal
Manual Pickup

OPEN

ARCHAEOLOGICAL STANDARD CONSTRAINT

If cultural resources are uncovered, PHONE 564-3274.

APPLICABLE ECOLOGICAL TIME CONSTRAINTS

1A,1B Salmon Stream

ADF&G catalogued anadromous streams (242-31-10125 and 242-31-10130) are in Subdivision A. No constraint to manual pickup and tarmat removal.

1J Purse Seine Area

No constraint to manual pickup and tarmat removal.

5T Bald Eagle Nest

NO CONSTRAINT. USFWS 6/1/90 map indicates no active nest within 400m of Subdivision A work site.

OTHER ECOLOGICAL CONSIDERATIONS

Sensitive estuary. Avoid any unnecessary disturbance or damage to uncollected biota and substrate.

FOSE

J. P. Phillips

Date

6/13/90

Prepared by

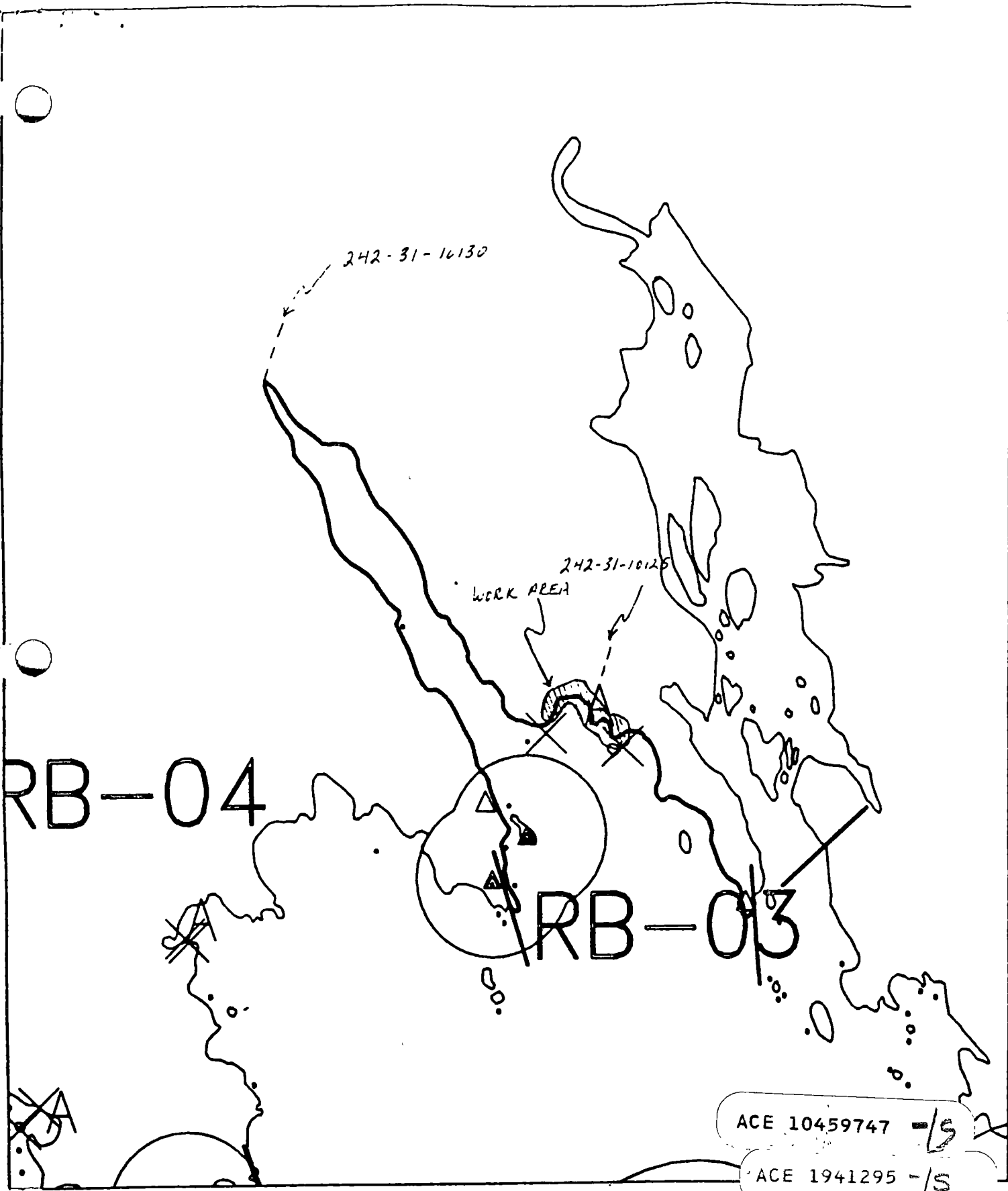
J. P. Phillips

Date

6/12/90

ACE 10459746

ACE 1941294



RB-04

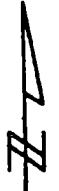
RB-03

ACE 10459747 -/S

ACE 1941295 -/S



Exxon Company, USA
 Map Key: KEN-RB-3
 June 10, 1990



ECOLOGY MAP
SEGMENT RB-3
 SUBDIVISION A (---of---)
 METERS
 0 675 1346

- ★ Seabird Colony
- ▲ Active Eagle Nest
- △ Inactive Eagle Nest

1 inch = 2209 feet

ASC NUMBER: 242-31-10125 SEGMENT NUMBER: RB-3 YR CATALOGED:
 LOCATION: OOLP, Rocky Bay
 STREAM NAME: 1st Stream EAST Picnic Hbr LATITUDE: 59 15 35
 DIAK K-UNIT: LOCAL STREAM #: LONGITUDE: 151 24 45
 USGS QUADRANGLE: Seldovia B-4 LEGAL:
 SHORELINE TYPE: Low lying Rocks, Beach ALL SEGMENTS:
 WAVE EXPOSURE: high

ASC NUMBER: 242-32-10125
 SURVEY TYPE: Prescreening
 METHOD: Foot
 DATE: 4/11/90
 START TIME: 1011
 STOP TIME: 1034

TEAM RECORDER: Doug Hill
 OBSERVERS: Susan McHane
 AGENCY(IES): AOF&G
 PHOTOS TAKEN? Roll #: 900040024 Frames: 12, 13
 VIDEO TAKEN? Tape Number: Aerials - taken on 4/12/90
 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	22m	7m		90%	.50cm	—	CT, ST, CV, TB
SITE 2	8m	3m		20%	—	—	TB
SITE 3	4.6m	3m		100%	.50cm	—	CT
SITE 4							
SITE 5							

OVERALL OIL IMPACT:

OIL IN STREAM CHANNEL?
 SUBSTRATE

OIL ON BEACH WITHIN 50M OF STREAM MOUTH?

Bedrock 10% Granule
 Boulder Sand 90%
 Cobble Silt
 Pebble Veget.

SPECIES					
COUNT					

COMMENTS: see attached MAO Form comments

OK. * site 15-1 of 1989 AFHA
 A see 1990 field log for further info

ACE 10459748 #19

Faxed 9/17/90
Anchorage

ROUP B

ADF&G MULTI-ASSESSMENT DATA FORM

Pre-screening

1 SURVEY TYPE: BS SS DS TS AVS SCHA MMHS PTA

2 REGION: PWS KP CI K, AP

METHOD: Aerial Ground Boat Cordouroy - correction

3 DATE: 4-11-90 15 HIGH TIDE TIMES: 14:50 21 TEAM RECORDER: Doug Hill

4 START TIME: 1011 16 HIGH TIDE HTS: 13.0 22 OBSERVERS: Susan Melone

5 STOP TIME: 1034 17 LOW TIDE TIMES: 09:17 23 AGENCY: ADEC

6 SEGMENT #: RB-3 18 LOW TIDE HTS: -1.0 1.9 24 PHOTOS TAKEN: Y N

7 STATION #: _____ 19 TIDE HT AT SURVEY: LOW Roll #: 90-004-002-H Frame: 12/13

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

9 STAT AREA: 242-31 20 USCG QUAD: Seldovia A-4 Start: _____ End: _____

10 LAT: 59° 15.5 11 LONG: 151° 24.70 26 SAMPLES TAKEN? Y N Number _____

12 SOURCE: Map Loran 011 _____

13 LOCATION: East of Pienic Harbor AFS 242-31-1025 Sediment _____

14 DESCRIPTION: stream channel to log jam - rock wall Biological _____

EXTENT OF OIL

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

36 CATALOGED ANAD. FISH SREAM? Y N

37 CATALOG #: 242-31-1025

38 STREAM NAME: 1st Stream - Pienic Harbor

39 OIL IN STREAM BED? Y N None observed

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

Where: _____

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 _____
Gravel _____ Sand 90% Mud/silt _____

44 ANADROMOUS FISH OBSERVATION

Species	Aerial	Ground

COMMENTS: no oil was observed in stream bed. Stream was unfrozen. Light stain on logs jammed in stream, stain on bluff on west shore, covering of oil on west shore bluff and on large rock below log jam. Russel Kinke (ADEC) claims to have observed sheen in pit dug 20' downstream of large rock.

ACE 1941285

OVER
ACE 10459749-1/5/92

FRAME(S)

DESCRIPTION

12, 13

Aerials of mouth of 1st Stream East of Picnic Hbr.

11:36 AM.

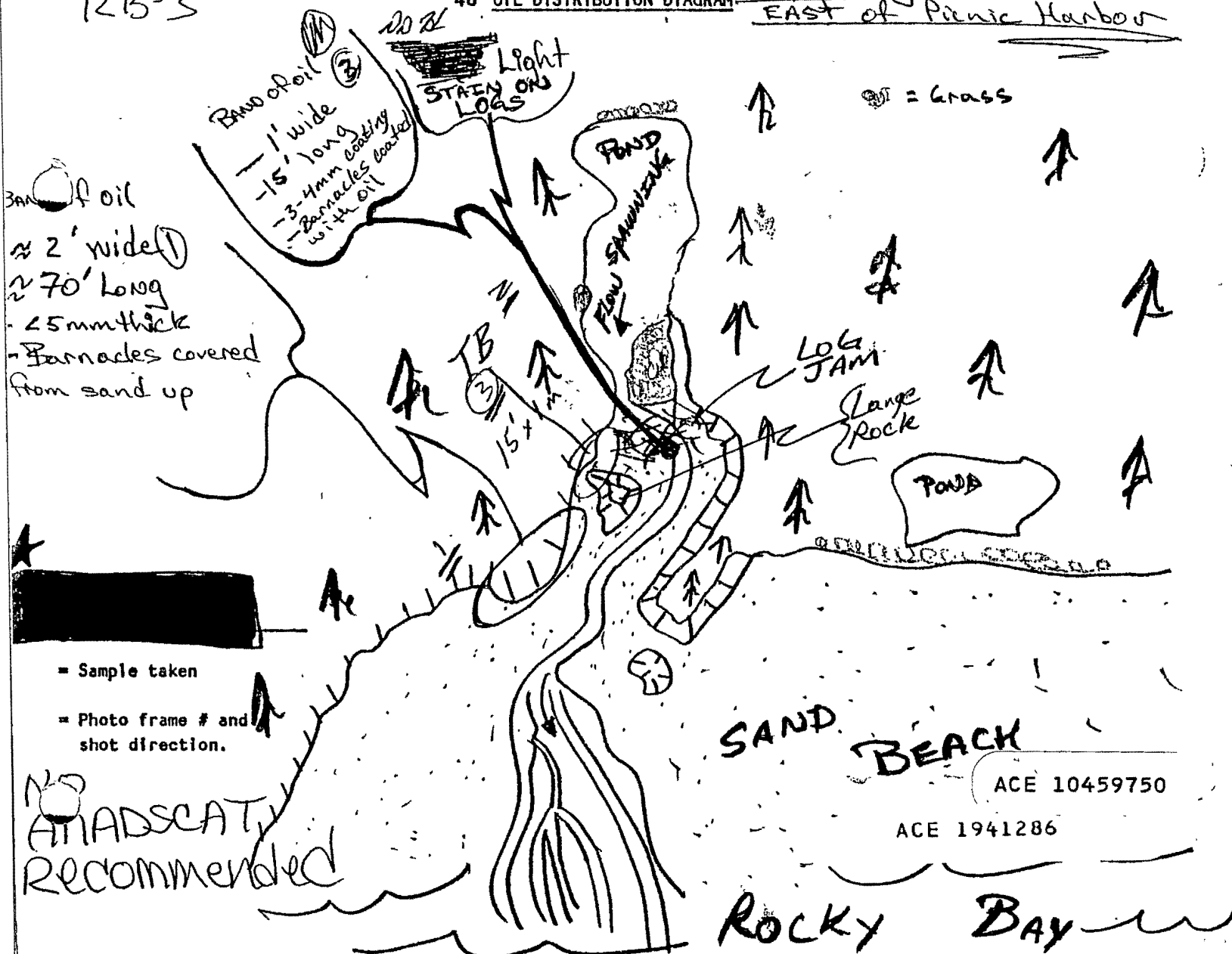
July 25, 90 Landed this stream with Dave Kennedy, John Middleton, Susan McLane. Avari's Salver/Gin of red anchored off shore (at inlet) Met two ALB persons on beach Glen Heyman and Mike H. I pointed out the oil buried on bank at the stream near the log jam. Glen said the cleanup crew would pick up what they could. we dug test holes on east end of the beach and observed stream in these holes

J.P. Glenn

RB-3

48 OIL DISTRIBUTION DIAGRAM

Rocky Bay - 1st Stream EAST of Picnic Harbor



ADF&G MULTI-ASSESSMENT FORM
1991 GENERAL ENTRY CHECKLIST



STREAM#: 2423110125
SEGMENT: RB003

PAGE 24

DATE PRINTED: 06/21/91

LOCATION: ROCKY BAY, PICNIC HARBOR, FIRST STREAM EAST OF

SURVEY TYPE: 90 PRE SCREEN - SS

METHOD: GROUND

DATE: 04/11/90

TEAM RECORDER: HILL

START TIME: 1011

OBSERVERS: MCLANE

END TIME: 1034

OG/HAB DISCREPANCIES: -

AGENCY: FG

PHOTOS TAKEN: Y

STATION: 2423110125

ROLL#: 90DDH002H

FRAME: 12-13

VIDEO TAKEN: N

TAPE#: -0-

START: -0-

END: -0-

SAMPLES TAKEN: N

SAMPLE NUMBERS: -0-

-0-

-0-

-0-

-0-

-0-

OIL IN STREAM BED: -

OVERALL OIL IMPACT: -0-

OIL ON BEACH BY MOUTH: Y

WAVE EXPOSURE: HIGH

SHORELINE TYPE: LOW-LYING ROCKS BEACH

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

GRAVEL -0- SAND 90 MUD/SILT -0- GRANULE -0-

ANADROMOUS FISH PRESENT: N

SPECIES: -0-

COUNT: -0-

-0-

-0-

-0-

-0-

-0-

-0-

-0-

-0-

ADF&G MULTI-ASSESSMENT FORM
1991 OILING ENTRY CHECKLIST



PAGE 27

DATE PRINTED: 06/21/91

STREAM# : 2423110125
SEGMENT#: RB003

SURVEY TYPE : 90 PRE SCREEN - SS LOCATION: ROCKY BAY, PICNIC HARBOR,
DATE: 04/11/90 FIRST STREAM EAST OF
TIMES: 1011 - 1034 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-	22	.7	-0- 15.4	90	.5	-0-	CT ST CV TB
2	-0-	-0-	8	3	-0- 2.4	20	-0-	-0-	TB
3	-0-	-0-	4.6	.3	-0- 1.38	100	.5	-0-	CT

COMMENTS:

NO OIL WAS OBSERVED IN STREAMBED. ~~STREAM WAS UNFROZEN~~ LIGHT STAIN ON LOGS JAMMED IN STREAM, STAIN ON BLUFF ON WEST SHORE, COVERING OF OIL ON WEST SHORE BLUFF AND ON "LARGE" ROCK BELOW LOG JAM. RUSSEL KINUBE, ADEC, CLAIMS TO HAVE OBSERVED SHEEN IN PIT DUG 20' DOWNSTREAM OF LARGE ROCK. NO ANADSCAT RECOMMENDED. SITE 15-1 OF 1989 AFHA.
OIL ON STREAM BANKS: YES
OIL WITHIN 1 MILE OF STREAM: YES

ASC NUMBER: 242-31-10125 SEGMENT NUMBER: RB-3 YR CATALOGED:
 LOCATION: OckP, Rocky Bay
 STREAM NAME: 1st Stream East Picnic Hbr
 DIAMETER: . LOCAL STREAM #: LATITUDE: 59 15 35
 USGS QUADRANGLE: Seldovia B-4 LEGAL: LONGITUDE: 151 24 45
 SHORELINE TYPE: Low lying Rocks, Beach ALL SEGMENTS:
 WAVE EXPOSURE: high

ASC NUMBER: 242-32-10125
 SURVEY TYPE: Prescreening
 METHOD: Foot
 DATE: 4/11/90
 START TIME: 1011
 STOP TIME: 1034

TEAM RECORDER: Doug Hill
 OBSERVERS: Susan McHane

AGENCY(IES): AOF+G

PHOTOS TAKEN? Roll #: 9000H0024 Frames: 12, 13
 VIDEO TAKEN? Tape Number: Aerials - taken on 4/2/90
 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	22m	7m	154	90%	.50cm	—	CT, ST, CV, TB
SITE 2	8m	3m	24	20%	—	—	TB
SITE 3	4.6m	3m	13.8	100%	.50cm	—	CT
SITE 4							
SITE 5							

OVERALL OIL IMPACT: VLT

OIL IN STREAM CHANNEL? Y

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? Y

SUBSTRATE

Bedrock 10% Granule
 Boulder Sand 90%
 Cobble Silt
 Pebble Veget.

SPECIES					
COUNT					

COMMENTS: see attached MAO Form comments

OK * site 15-1 of 1981 AFHA

See 1990 field log for further info

ACE 10459753 +/5

Faxed 4/17/90
Anchorage

Pre-screening

GROUP B

ADF&G MULTI-ASSESSMENT DATA FORM

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

METHOD: Aerial Ground Boat Cordougn correction

3 DATE: 4-11-90 15 HIGH TIDE TIMES: 14501 21 TEAM RECORDER: Doug Hill

4 START TIME: 1011 16 HIGH TIDE HTS: 13.01 22 OBSERVERS: Sweet Melone

5 STOP TIME: 1034 17 LOW TIDE TIMES: 09:171 23 AGENCY: ADEFG

6 SEGMENT #: RB-3 18 LOW TIDE HTS: -1.01, 1.9 24 PHOTOS TAKEN: Y N

7 STATION #: 19 TIDE HT AT SURVEY: low Roll #: 90-DGH-002-H Frame: 12/13

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

9 STAT AREA: 242-31 20 USCG QUAD: Seldovia A-4

10 LAT: 59° 15.5 11 LONG: 151° 24.70 26 SAMPLES TAKEN? Y N Number

12 SOURCE: Map Lorán Oil

13 LOCATION: East of Pienie Harbor AFS 242-31-1025 Sediment

14 DESCRIPTION: stream channel to log jam - rock wa Biological Water

EXTENT OF OIL

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

36 CATALOGED ANAD. FISH SREAM? Y N

37 CATALOG #: 242-31-10125

38 STREAM NAME: 1st stream E Pienie Harbor

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

30 OVERALL OIL IMPACT: N 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 Lagoon Marsh Cove

34 WAVE EXPOSURE: High Moderate Low

35 SUBSTRATE TYPE: Bedrock 10% Boulder Cobble Gravel Sand 90% Mud/silt

43 ANADROMOUS FISH PRESENT? Y N

44 ANADROMOUS FISH OBSERVATION

Species	Aerial	Ground

COMMENTS: no oil was observed in stream bed. Stream was unfrozen. Light stain on logs jammed in stream, stain on bluff on west shore, covering of oil on west shore bluff and on "large" rock below log jam. Russel Kinobe (ADEG) claims to have observed sheen in pit dug 20' downstream of large rock.

ACE 1941285

OVER

FRAME(S)

DESCRIPTION

○ 12, 13

Aerials of mouth of 1st Stream East of Picnic Hbr.

11:36 AM.

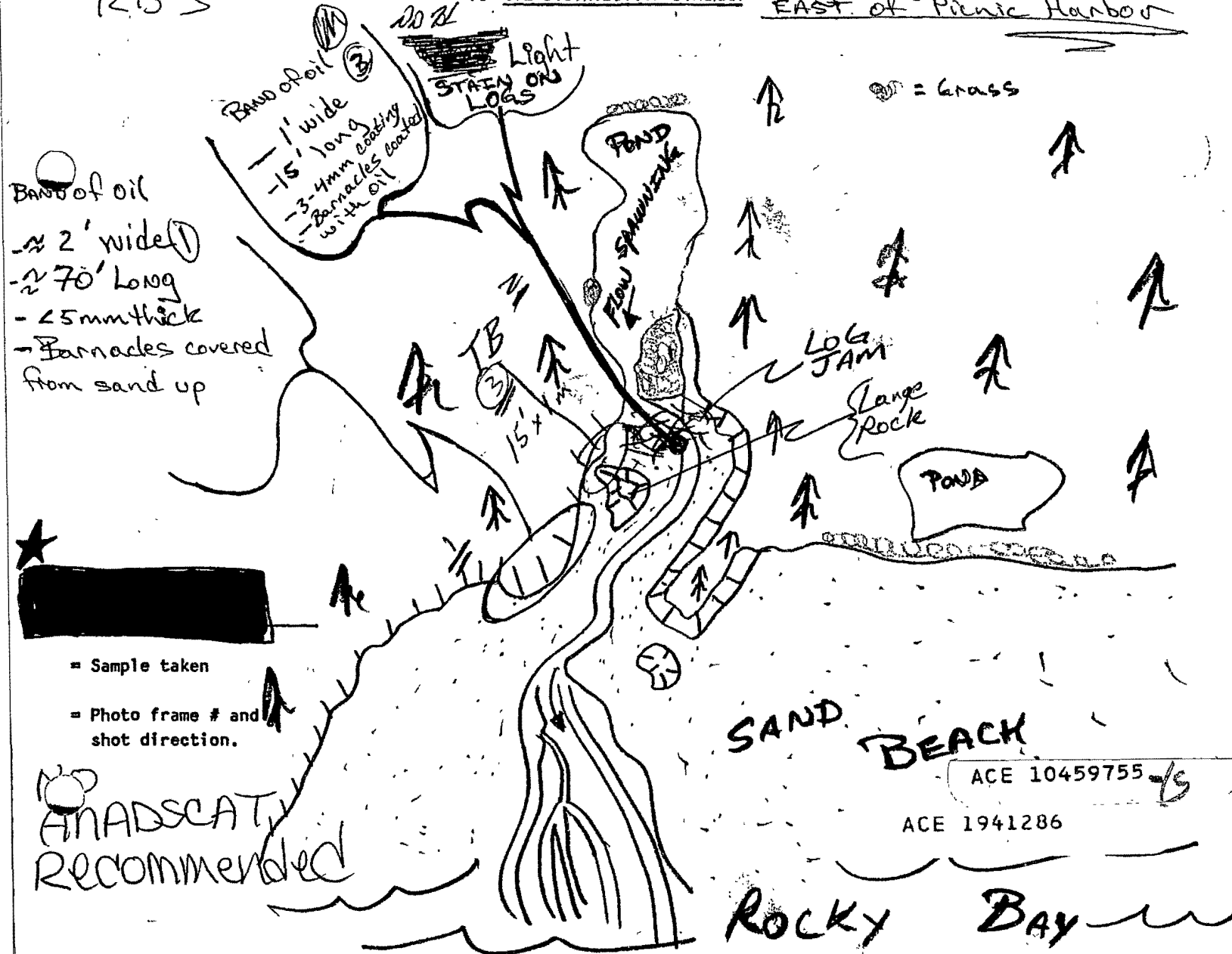
July 25, 90 landed this stream with Dave Kenney, John Middleton, Susan Pedone. Avari salver/bia of oil anchored off shore (east of land). Met two AULB persons on beach Glen Heyman and Mike Lu. I pointed out the oil barrier on bank of the stream near the log jam. Glen said the cleanup crew would pick up what they could. we dug test holes on east end of the beach and observed stream in these holes

J. P. [Signature]

RB-3

48 OIL DISTRIBUTION DIAGRAM

Rocky Bay - 1st Stream EAST of Picnic Harbor



Group B

ADF&G MULTI-ASSESSMENT DATA FORM

Faxed 4/17/90 Anchorage

Pre-screening

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

METHOD: Aerial Ground Boat

3 DATE: 4-11-90 15 HIGH TIDE TIMES: Condouq correction 14501 21 TEAM RECORDER: Doug Hill

4 START TIME: 1011 16 HIGH TIDE HTS: 13.01 22 OBSERVERS: Susan Melone

5 STOP TIME: 1034 17 LOW TIDE TIMES: 09:171 23 AGENCY: ADE&G

6 SEGMENT #: RB-3 18 LOW TIDE HTS: -1.0, 1.9 24 PHOTOS TAKEN: Y (N)

7 STATION #: _____ 19 TIDE HT AT SURVEY: LOW Roll #: 90-DGH-002-H Frame: 12/13

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

9 STAT AREA: 242-31 20 USCG QUAD: Seldovia A-4 Start: _____ End: _____

10 LAT: 59° 15.5 11 LONG: 151° 24.70 26 SAMPLES TAKEN? Y (N) Number _____

12 SOURCE: Map Loran Oil _____

13 LOCATION: East of Pienie Harbor AFS 242-31-1025 Sediment _____

14 DESCRIPTION: stream channel to log jam - rock wall Biological _____

Water _____

EXTENT OF OIL

	SHORELINE				STREAM				36 CATALOGED ANAD. FISH SREAM? <u>(Y)</u> N
	L	W	M ²	%	L	W	M ²	%	
27 SURFACE COVERAGE									37 CATALOG #: <u>242-31-1025</u>
28 SURFACE THICKNESS									38 STREAM NAME: <u>Stream E Pienie Harbor</u>
29 PENETRATION									39 OIL IN STREAM BED? Y <u>(None observed)</u>
30 OVERALL OIL IMPACT: N VL L M H									40 OIL ON STREAM BANKS? <u>(Y)</u> N
31 OIL TYPE: Pooled Mousse Tar Asphalt <u>Sticky</u> <u>Stain</u>									41 OIL ON BEACH ADJACENT TO MOUTH? <u>(Y)</u> N (within 50 meters)
32 OILED DEBRIS? <u>(Y)</u> N									42 OIL WITHIN 1 MILE OF STREAM? <u>(Y)</u> N
33 SHORELINE TYPE: Headland <u>Low-lying Rocks</u> <u>Beach</u> Cove Lagoon Marsh									Where: _____
34 WAVE EXPOSURE: <u>High</u> Moderate Low									43 ANADROMOUS FISH PRESENT? Y <u>(N)</u>
35 SUBSTRATE TYPE: Bedrock <u>10%</u> Boulder Cobble Gravel Sand <u>90%</u> Mud/silt									44 ANADROMOUS FISH OBSERVATION Species Aerial Ground

ACE 10459756 →

COMMENTS: no oil was observed in stream bed. Stream was unfrozen. Light stain on logs jammed in stream, stain on bluff on west shore, covering of oil on west shore bluff and on large rock below log jam. Russel Kinobe (ADEG) claims to have observed sheen in pit dug 20' downstream of large rock.

ACE 1941285
OVER →

FRAME(S)

DESCRIPTION

12, 13

Aerials of mouth of 1ST Stream East of Picnic Hbr.

11:36 AM.

July 25, 90 landed this stream with Dave Kenney, Jane Middleton, Susan McNamee. Arctic salver/bio of me anchored off shore (eating lunch) Met two AUG persons on beach Glen Heyman and Mike Lu. I pointed out the oil buried on bank of the stream near the log jam. Glen said the cleanup crew would pick up what they could. we dug test holes on east end of the beach and observed stream in these holes.

J.P. Glenn

RB-3

46 OIL DISTRIBUTION DIAGRAM

Rocky Bay - 1ST Stream EAST of Picnic Harbor



ACE 10459757

ACE 1941286

Rocky Bay

ADFG MULTI-ASSESSMENT DATA FORM
ANAD

2/19/91

- 1) SURVEY TYPE: BS SS
 2) REGION: PWS RP, CI K, AP
 3) METHOD: Aerial Ground Boat
 4) DATE: 5/15/91 16) HIGH TIDE TIME: 0341/1649 22) TEAM RECORDER: Duncan F. Fitzgerald
 5) START TIME: 1050 17) HIGH TIDE HTS: 20.7/19.7 23) OBSERVERS: Lee Glenn (ADFG)
 6) STOP TIME: 1120 18) LOW TIDE TIMES: 0935/2140 24) AGENCY: _____
 7) SEGMENT #: RB-3A 19) LOW TIDE HTS: -4.7/1.5 25) PHOTOS TAKEN: Y N
 8) K-UNIT: _____ 20) TIDE HT AT SURVEY: 110/1.5 ROLL #: 9100HD2H FRAMES: 30 → 36
 9) LAT: 59 15 35 Ebb Slack Flood Slack *See other side of page
 10) LONG: 151 24 45 21) USCG QUAD: Seldavia B-4 26) VIDEO TAKEN: Y N
 11) ASC #: 242-31-10125 TAPE # _____
 12) STREAM NAME: _____ START: _____ STOP: _____
 13) LOCATION: KPOC, Rocky Bay, 1st Stream East Picnic Hbr 27) SAMPLES TAKEN? Y N
 14) WAVE EXPOSURE: High Moderate Low SAMPLE I.D. _____
 15) SHORELINE TYPE: Headland Low-lying Rocks Beach _____
 Cove Lagoon Marsh _____

28) EXTENT OF OIL

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1	—	—	.5	100	5	5	MS/SOR/Sheen
SITE 2	3	1	3	21	—	—	CT/ST
SITE 3							
SITE 4							
SITE 5							

- 29) OVERALL OIL IMPACT: 33) ANADROMOUS FISH PRESENT: Y N
 H = >6m band with ≥50% oil coverage
 M = >6m band with < 50% oil coverage or ≥3m to ≤6m with ≥10% oil coverage
 L = <3m band with >10% oil coverage
 VI = ≤10% oil coverage regardless of band width
 N = No oil observed
 30) OIL IN STREAMBED: Y N
 31) OIL ON BEACH ADJACENT TO MOUTH: Y N
 32) SUBSTRATE TYPE (PERCENT):
 Bedrock 10% Boulder _____ Gravel _____ Sand 90% Cobble _____ Mud/Silt _____

- 34) WILDLIFE OBSERVATION
 Species _____ Number _____
Fine Bidarki (Chiton) beach
at low tide.

35) COMMENTS: Oil may be buried by sand as, much sand has been deposited in the stream channel where the oil was observed in the past. Lee Glenn observed oil in the stream channel 1989 & 1990. Veco workers picked up the patch of mousse that was observed today.
This is an adromous stream - It doesn't take commercially harvestable (profitable) river to make a "salmon stream".

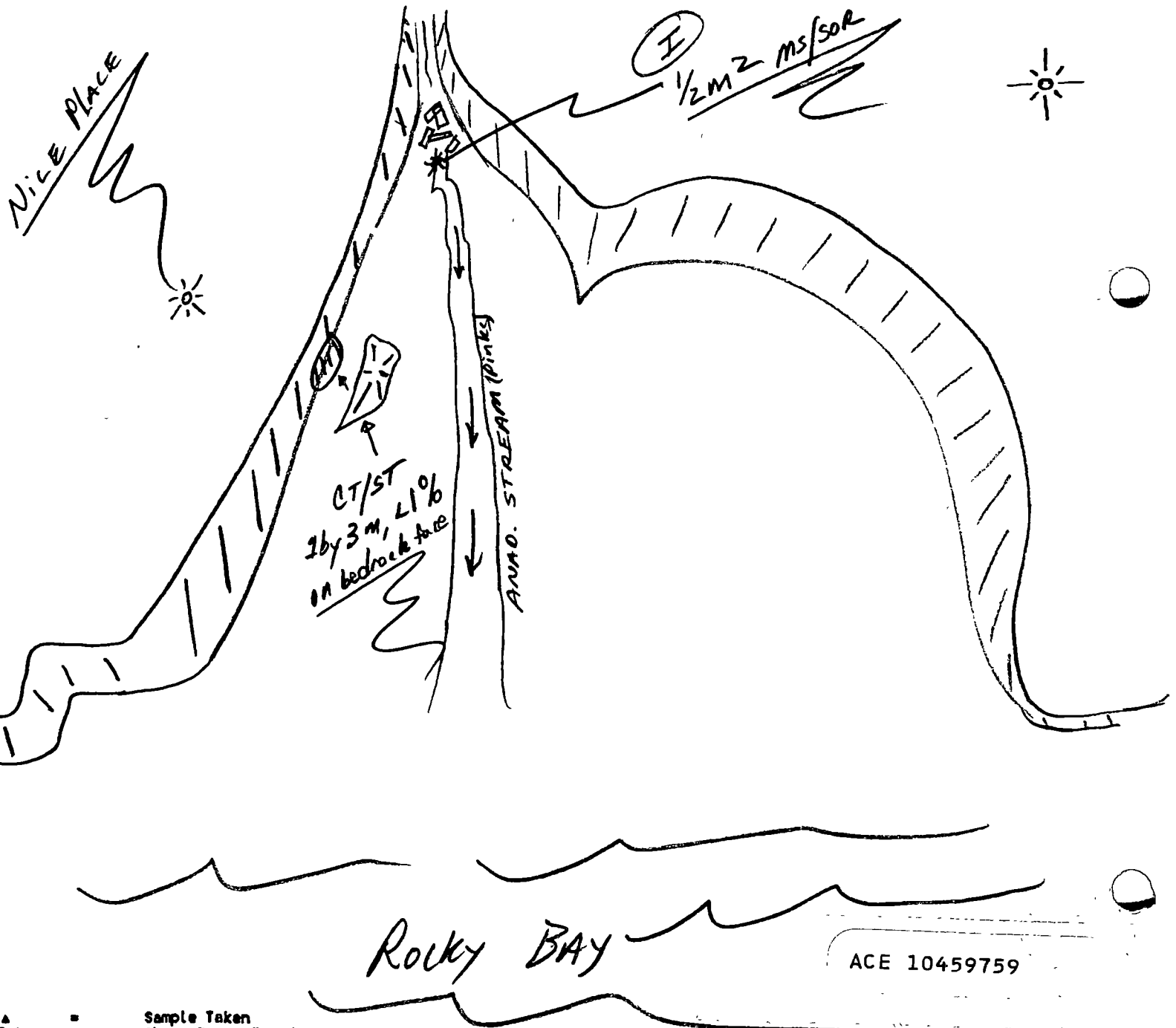
FRAME(S)

DESCRIPTION

30
31
32
33
34
35
36

ADFGG
PHOTOS

* See MAYSAP photo location map
 Gary Shigenaka of NOAA took photos ROLL # 6-15
 Frame # 19-23
 usca rep. getting shoes cleaned while entering helo
 Lee Glean (ADFGG)
 Doug Hill (ADFGG)
 Doug Hill (ADFGG) Tom Schroeder (EXXON)
 Lee Glean (ADFGG), Seraphim Meganick (Port Graham), Rex Coulter (EXXON)
 Doug Hill (ADFGG), " " " " " "
 Gary Shigenaka (NOAA), Duncan Fitzgerald (DG)



ACE 10459759

▲ Sample Taken
 ■ Photo Frame # and Shot Direction

EXXON MAYSAP

May Shoreline Assessment Program
1991

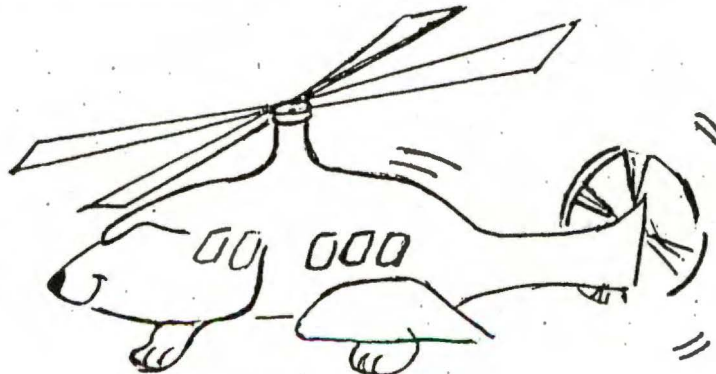


ALASKA

SEGMENT: RB-3

SUBDIVISION: A

DATE: 15 MAY 1991



Team # 6 Pumas

MAYSAP FIELD SHORELINE COMMENT SHEET

TEAM NO. 6 Helo SEGMENT RB-003 SUBDIVISION A DATE 5/15/91

ADEC

NAME Doug Hill - ADF&G SIGNATURE Douglas D Hill*

NTR NICE BEACH.*



EXXON

NAME Rex Coulter SIGNATURE Rex R Coulter

NTR NOTHING AT THIS BEACH TO COMMENT ABOUT, OTHER THAN THE SCENIC BEAUTY.

LANDMANAGER

NAME Seraphim Magranick OF Port Graham SIGNATURE Seraphim Magranick

NTR
 Light oiling above the creek. No real oil of significance considered more like residual and sheen. Half sq meters completely picked up and by the rock bank near the mine 1x3 meter count

USCG/NOAA

NAME Chief Jensen / Gary Shigenaka SIGNATURE Robert Jensen Gary Shigenaka

NTR There is no longer any detectable oil present on the water adjoining shorelines, or places where it is likely to reach the water again.

CONCUR WITH ADF&G COMMENTS. A FINE SANDY BEACH THAT SEEMED SOMEWHAT SURREAL AFTER MILES OF ANKLE-STRAINING BOULDER COBBLE SHORELINES SURVEYED. A STREAM RUNS DOWN THE WEST SIDE OF THE BEACH, AND ONE ISOLATED OCCURRENCE OF SOR AND SHEEN WAS NOTED JUST BELOW A JUMBLE OF DEADFALLS AND LOGS ACROSS THE STREAMBED. VECO CREW RECOVERED SAME. COAT WAS OBSERVED ON A ROCK FACE ON THE SOUTHWEST BORDER OF THE BEACH. THESE WERE THE ONLY EVIDENCE OF OILING OBSERVED. ON THE EAST SIDE OF THE BEACH, HEAVY FUCUS GROWTH COVERED A BEDROCK OUTCROP WITH AN EXTREMELY HEAVY RECRUITMENT OF YOUNG MUSSELS (<1-2 YRS), ALL CONSISTENTLY SMALL. A DERELICT CABIN WAS LOCATED IN THE SUPRALIDAL ALONG THE NORTHEAST SHORELINE.

MAYSAP SHORELINE OILING SUMMARY

TEAM NO. 6-Helo

OG D. Fitzgerald

BIO T. Schroeder

SEGMENT RB-3

ADEC D. Hill of ADF6

LANDMANAGER S. MEGRANICK for Graham

SUBDIVISION A

EXXON R. Coulter

USCG/NOAA Chief Jensen / G. SHIGENAKA

DATE 15 May 1991

TIME 10:50 to 11:20

TIDE LEVEL 11 ft. to 0.5 ft.

ENERGY LEVEL: H M L

SURVEYED FROM: FOOT BOAT HELO

WEATHER: SUN CLOUDS FOG RAIN SNOW

TOTAL LENGTH SHORELINE SURVEYED: 659 m

NEAR SHORE SHEEN: BR RB SL NONE

EST. OIL CATEGORY LENGTH: W m M m N m VJ 3 m NO 656 m US m

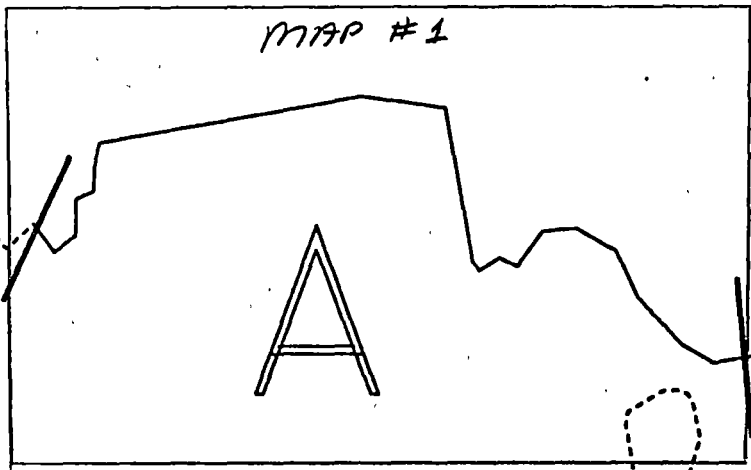
L O C	SURFACE OIL CHARACTER										SURFACE SEDIMENT TYPE	SHORE SLOPE VHML	AREA		ZONE				NOTES	
	AP	MS	TB	SOR	CV	CT	ST	FL	DB	NO			WIDTH	LENGTH	S	UI	MI	LI		
													m	m						
A						T	T				BR	M	1	3	X					OH Bedrock face

DISTRIBUTION: C = 91-100%; B = 51-90%; P = 11-50%; S = 1-10%; T = <1%
 SLOPE: V = VERTICAL; H = HIGH ANGLE; M = MEDIUM ANGLE; L = LOW ANGLE PHOTO ROLL # MAYSAP- 6-15 FRAMES 19-23

PIT NO.	PIT DEPTH (cm)	SUBSURFACE OIL CHARACTER								OILED ZONE cm-cm	CLEAN BELOW Y/N	H2O LEVEL (cm)	SHEEN COLOR B R S N	PIT ZONE				SURFACE- SUBSURFACE SEDIMENTS	NOTES
		OP	HOR	MOR	LOR	OF	TR	NO	S					UI	MI	LI			
1	30								X	-		20					SAND	sheen off oil shovel appeared in water	

SHEEN COLOR: B = BROWN; R = RAINBOW; S = SILVER; N = NONE

OG COMMENTS: Segment located on the west side of Rock Bay consisting of sandy pocket beaches between bedrock headlands with an ANAD Stream #242-35-10125 at the west end of the segment. The oil found here was a CT/ST along a 3m length of vertical bedrock face. A 1/2m² area of sandy SOX was found and completely removed in front of the log-jam in front of the ANAD Stream.



RB003 A

Subdivision Field Map

Map Key: KENRB003A

Name: D. Fitzgerald

Date: 15 May 1991



AK State Plane Zone 4
ARB003A

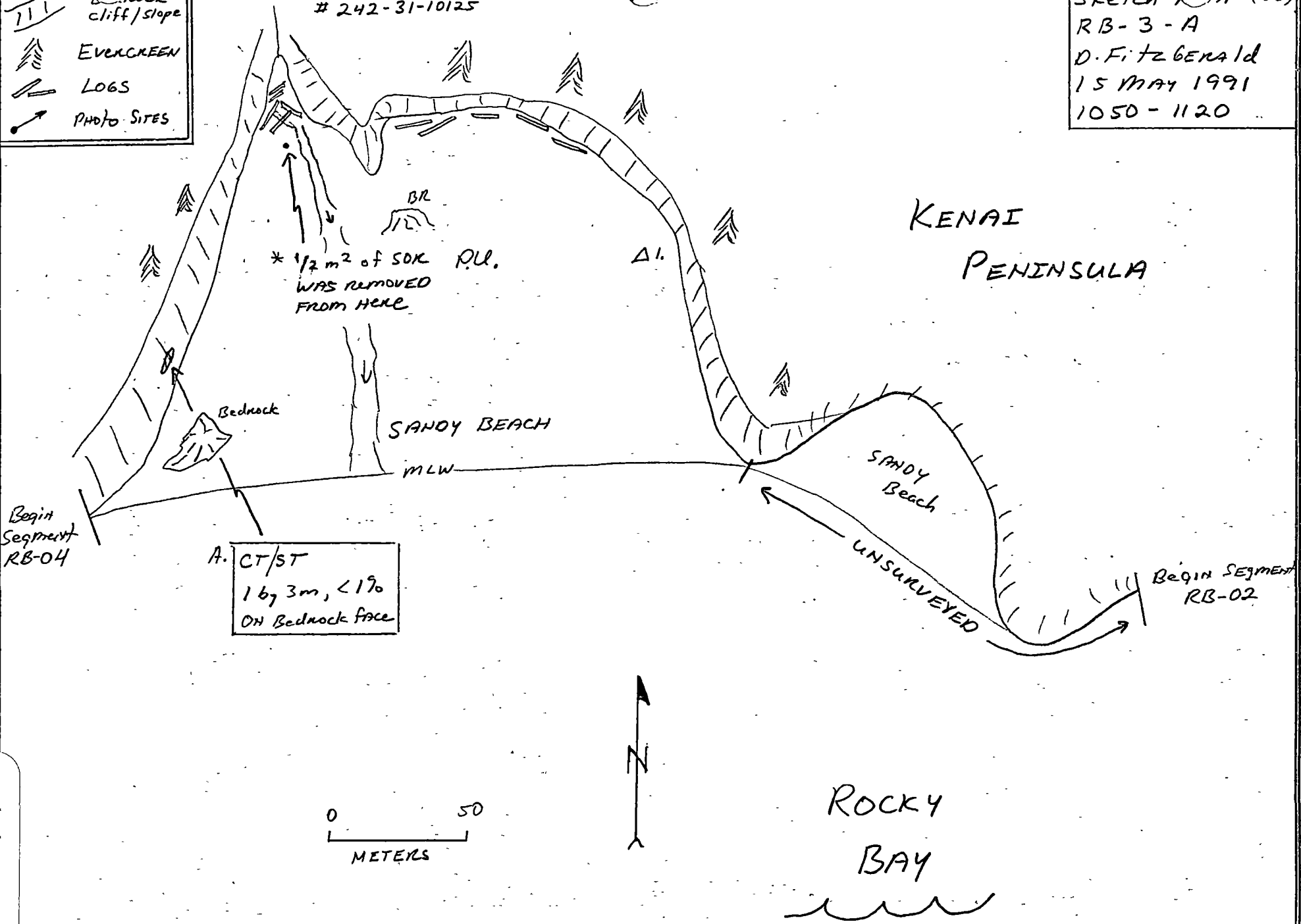
ACE 10459764

- rock cliff/slope
- EVERGREEN
- LOGS
- PHOTO SITES

Sketch MAP (06)
 RB-3-A
 D. FITZGERALD
 15 MAY 1991
 1050 - 1120

ANAD. STREAM
 # 242-31-10125

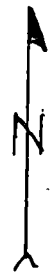
KENAI
 PENINSULA



* 1/2 m² of SOX P.R.
 WAS REMOVED
 FROM HERE

A. CT/ST
 1 by 3m, <1%
 ON Bedrock face

0 50
 METERS

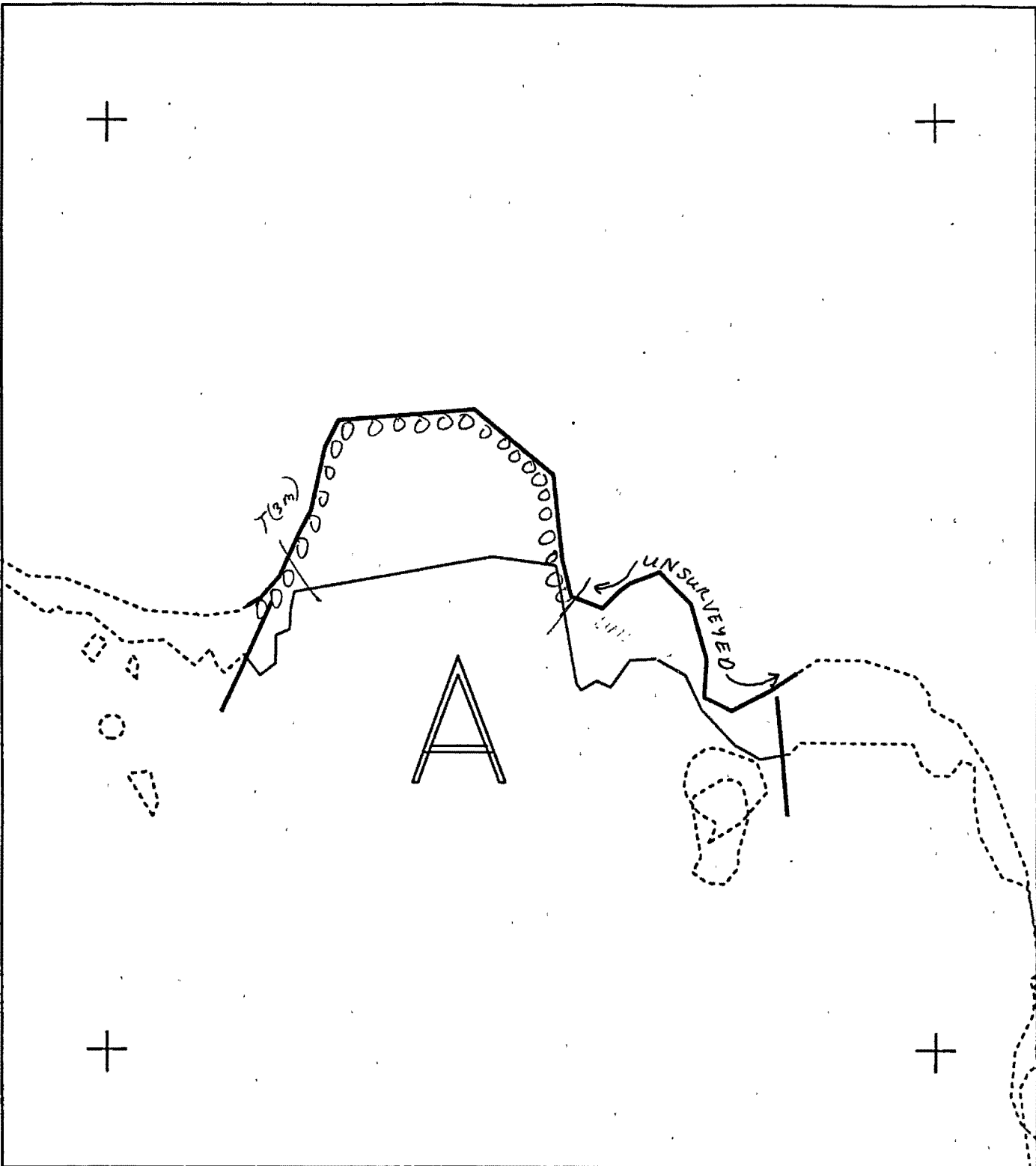


ROCKY
 BAY

Begin Segment
 RB-04

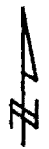
Begin Segment
 RB-02

ACE 10459765



XXXX Wide
 //// Medium
 ---- Narrow
 TTTT Very Light
 0000 No Oil

RB003 A
 ADEC Subsegment Length: 659m
 METERS
 0 100 200
 AK State Plane Zone 4
 nrb003a



Subdivision Field Map
 Map Key: KENRB003A
 Name: D. FITZGERALD
 Date: 15 MAY 1991
 Data Entered:

ACE 10459766

MAYSAP BIOLOGICAL SUMMARY FORM

TEAM # 6 DATE 5/15/91
 SEGMENT # RB-003 TIDAL HEIGHT (Range) +0.5 to +2.6 ft.
 SUBDIVISION A BIOLOGIST T.R. Schroeder
 SEA STATE calm WIND SPEED/DIRECTION S.W. = 5-10 mph
 PHOTOGRAPHS: ROLL # FRAME #

COMMENTS/OBSERVATIONS (to be completed in oiled subdivisions only):

95% of beach is fine sand. Rock outcroppings east of the quadramous stream and along the far eastern end of the beach had good pieces of kelp with and extensive quantities of juvenile mussels, seaweeds, Littorina snails and Anacharis were present along with sea anemones.

beach was basically low in plant and animal life. The quadramous stream has never produced large numbers of fish and is negligible in its contribution to the commercial or recreational salmon harvest in the area.

Due to the lack of any notable quantities of oil a separate bio. map was considered to be unnecessary.

WILDLIFE OBSERVATIONS
 TO BE COMPLETED IN ALL SUBDIVISIONS

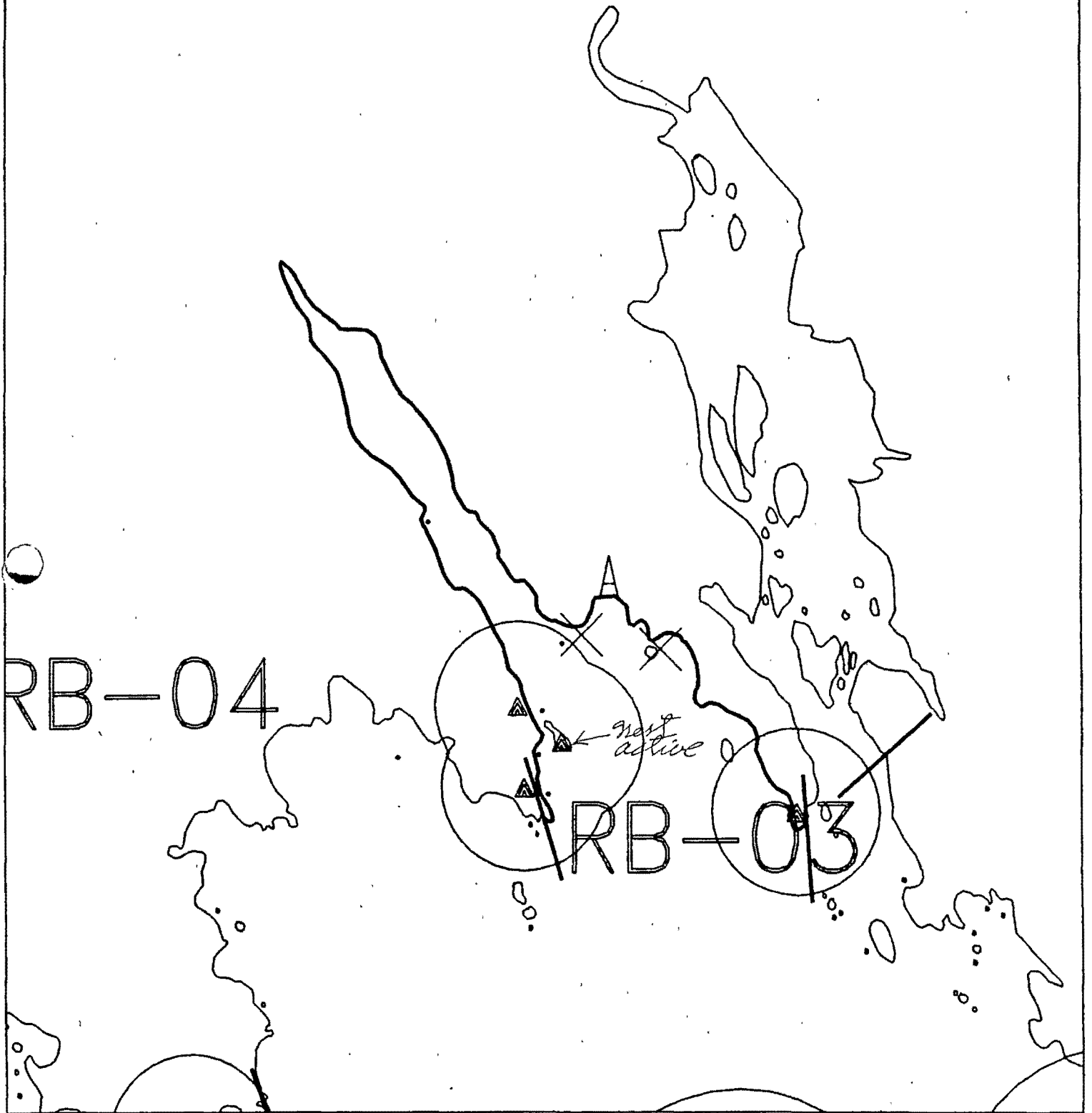
BIRDS	# OF SPECIES	TOTAL BIRDS	FISH OBSERVED SPECIES PRESENT
Eagles			
Seabirds			
Waterfowl			
Gulls/Kittiwakes	1 gull	5	
Shorebirds			
Corvids			
Other Birds			

MARINE MAMMALS	# OBSERVED	LAND MAMMALS SPECIES	# OBSERVED
Sea Otters			
Pinnipeds (specify)			
Males (specify)			

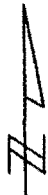
ACE 10459767

Shoreline subdivision map showing important biological features attached.

Bio. Observations
T. R. Schroeder
RB-003-A 5/15/91



Exxon Company, USA
Map Key: KEN-RB-3
May 17, 1990

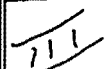


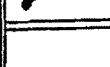


ECOLOGY MAP
SEGMENT RB-3
SUBDIVISION ___ (___ of ___)
METERS
0 673 1346

- ★ Seabird Colony
- ▲ Eagle Nest

ACE 10459768

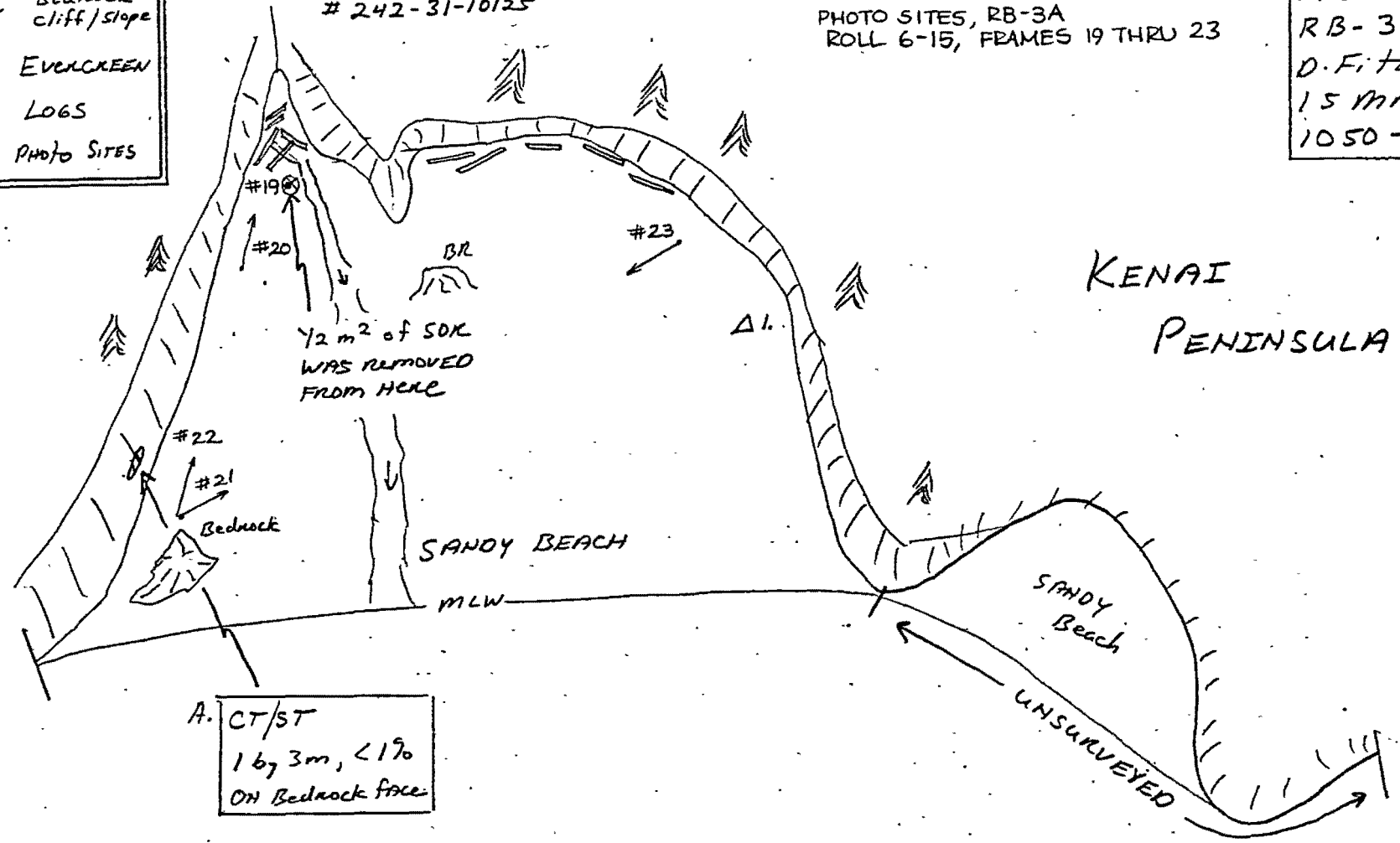
1 inch = 2209 Feet

-  Bedrock cliff/slope
-  EVERGREEN
-  LOGS
-  PHOTO SITES

ANAD. STREAM
242-31-10125

PHOTO SITES, RB-3A
ROLL 6-15, FRAMES 19 THRU 23

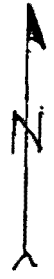
Sketch MAP (06)
RB-3-A
D. FITZGERALD
15 MAY 1991
1050-1120



1/2 m² of SOIL
WAS REMOVED
FROM HERE

A. CT/ST
1 by 3m, < 1%
ON Bedrock face

0 50
METERS



ROCKY
BAY

ACE 10459769/4/5/1/15



Date: 5/15/91 No. 902

Title: RB003A





Segment No RB-3 Subdivision A
Date 5/15/91 Log Frame No 21
Photographer GARY SHIGENAKA
Location ROCKY BAY
Comments VIEW FROM SOUTHWEST TERMINUS OF
SURVEYED PORTION OF SEGMENT ACROSS BEACH,
ORIENTATION TO THE NORTH (THIS SHOT MAY OR
MAY NOT HAVE BEEN TAKEN - SEE #22)

Roll No MAYSAP-6-15 Neg. No 20
Control No 902 (Office Use Only)



Segment No RB-3 Subdivision A
Date 5/15/91 Log Frame No 19
Photographer GARY SHIGENAKA
Location ROCKY BAY
Comments SOR AND SHEEN FOUND NEAR BANK OF
STREAM JUST BELOW JUMBIE OF LOGS ACROSS
BED. SUBSTRATE IS SAND, PENETRATION ABOUT
2 CM.
Roll No MAYSAP-6-15 Neg. No 18
Control No 902 (Office Use Only)



Segment No RB-3 Subdivision A
Date 5/15/91 Log Frame No 22
Photographer GARY SHIGENAKA
Location ROCKY BAY
Comments (PHOTOGRAPHER ISN'T EXACTLY CERTAIN
THAT HE TOOK THIS SHOT BUT IS ASSUMING HE DID...)
VIEW FROM SAME LOCATION AS #21, PIVOTED
TO LOOK UPSTREAM - ORIENTATION NORTHERLY?
Roll No MAYSAP-6-15 Neg. No 21
Control No 902 (Office Use Only)



Segment No RB-3 Subdivision A
Date 5/15/91 Log Frame No 20
Photographer GARY SHIGENAKA
Location ROCKY BAY
Comments VIEW LOOKING UPSTREAM; ORIENTATION
IS NORTHERLY.

Roll No MAYSAP-6-15 Neg. No 19
Control No 902 (Office Use Only)



Segment No RB-3 Subdivision A
Date 5/15/91 Log Frame No 23
Photographer GARY SHIGENAKA
Location ROCKY BAY
Comments (PHOTOGRAPHER IS CERTAIN HE TOOK THIS
SHOT) VIEW ACROSS SAND BEACH - ORIENTATION
IS SOUTHWESTERLY.

Roll No MAYSAP-6-15 Neg. No 22
Control No 902 (Office Use Only)

Date: 5/15/91 No. 902

Title: RB003A

ADF&G MULTI-ASSESSMENT FORM
1991 GENERAL ENTRY CHECKLIST

Rocky Bay, 1st str. E of pines
★
OK
0
X

242-
STREAM#: 2413110125
SEGMENT: -0-

10/19/91

DATE PRINTED: 07/29/91

PAGE 3

LOCATION: -0-

SURVEY TYPE: 91 MAYSAP - ~~91 97~~

METHOD: GROUND
FOOT

DATE: 05/15/91

TEAM RECORDER: HILL FITZGERALD

START TIME: 1050

OBSERVERS: GLENN

END TIME: 1120

TIDES: ~~11.0/5~~ SLACK/FLOOD
OG/HAB DISCREPANCIES: -

AGENCY: FG

PHOTOS TAKEN: Y

STATION: 2413110125

ROLL#: 91DDH002H

FRAME: 30-36

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: VL

OIL ON BEACH BY MOUTH: N

WAVE EXPOSURE: HIGH

SHORELINE TYPE: BEACH COVE

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

GRAVEL -0- SAND 90 MUD/SILT -0- GRANULE -0-

ANADROMOUS FISH PRESENT: - U

SPECIES: -0- COUNT: -0-
-0- -0-
-0- -0-
-0- -0-
-0- -0-



ADF&G MULTI-ASSESSMENT FORM
1991 OILING ENTRY CHECKLIST

done.

OK

PAGE 3

242-

DATE PRINTED: 07/29/91

STREAM# : 2413110125
SEGMENT# : -0-

X

SURVEY TYPE : 91 MAYSAP - *99* LOCATION: -0-
DATE: 05/15/91
TIMES: 1050 - 1120 TEAM RECORDER: HILL FITZGERALD

-- 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-	.5	100	5	5	MS SOR SHEE
2	-0-	-0-	3	1	3	<1	-0-	-0-	CT ST

COMMENTS:

OIL MAY BE BURIED BY SAND, AS MUCH SAND HAS BEEN DEPOSITED IN THE STREAM CHANNEL WHERE THE OIL WAS OBSERVED IN THE PAST. LEE GLENN OBSERVED OIL IN THE STREAM CHANNEL IN 1989 & 1990. VECO WORKERS PICKED UP THE PATCH OF MOUSSE THAT WAS OBSERVED TODAY. ~~THIS IS AN ANADROMOUS STREAM. IT DOESN'T TAKE COMMERCIALY HARVESTABLE (PROFITABLE) RUN TO MAKE A SALMON STREAM.~~

A

*POH
8/29/91*



ADF&G MULTI-ASSESSMENT DATA FORM

ANAD

MAYSAP - Rocky Bay
1st Stream East Picnic

- 1) SURVEY TYPE: BS SS
- 2) REGION: PWS KP, CI K, AP *OK*
- 3) METHOD: Aerial Ground Boat
- 4) DATE: 5/15/91 16) HIGH TIDE TIME: 0341/1649 22) TEAM RECORDER: Duncan Fite Gerald
Doug Hill (ADF&G)
- 5) START TIME: 1050 17) HIGH TIDE HTS: 20.7/18.7 23) OBSERVERS: Lee Glenn (ADF&G)
- 6) STOP TIME: 1120 18) LOW TIDE TIMES: 0935/2140 24) AGENCY: _____
- 7) SEGMENT #: RB-3A 19) LOW TIDE HTS: -4.7/1.5 25) PHOTOS TAKEN: Y N
- 8) K-UNIT: _____ 20) TIDE HT AT SURVEY: 11.0/5 ROLL #: 9100H02H FRAMES: 30 → 36
**See other side of page*
- 9) LAT: 59 15 35 Ebb Slack Flood Slack 26) VIDEO TAKEN: Y N
- 10) LONG: 151 24 45 21) USCG QUAD: Seldonia B-4 TAPE # _____
- 11) ASC #: 242-31-10125 START: _____ STOP: _____
- 12) STREAM NAME: _____ 27) SAMPLES TAKEN? Y N
- 13) LOCATION: KPCC, Rocky Bay, 1st Stream East Picnic Hbr SAMPLE I.D. _____
- 14) WAVE EXPOSURE: High Moderate Low
- 15) SHORELINE TYPE: Headland Low-lying Rocks Beach
 Cove Lagoon Marsh

28) EXTENT OF OIL

	LENGTH m	WIDTH m	M2	THICK cm	PEN cm	OIL TYPE
ITE 1	—	—	.5	100	5	MS/SOP/Sheen
ITE 2	3	1	3	41	—	CT/ST
SITE 3						
SITE 4						
SITE 5						

- 29) OVERALL OIL IMPACT:
- H = >6m band with ≥50% oil coverage
 - M = >6m band with ≤50% oil coverage or ≥3m to ≤6m with ≥10% oil coverage
 - L = <3m band with >10% oil coverage
 - VI = ≤10% oil coverage regardless of band width
 - N = No oil observed
- 30) OIL IN STREAMBED: Y N
- 31) OIL ON BEACH ADJACENT TO MOUTH: Y N
- 32) SUBSTRATE TYPE (PERCENT):
Bedrock 10% Boulder _____ Gravel _____ Sand 90% Cobble _____ Mud/Silt _____
- 33) ANADROMOUS FISH PRESENT: Y N
- 34) WILDLIFE OBSERVATION
Species _____ Number _____
Fine Bidarki (Chiton) beach at low tide.

fixed.

35) COMMENTS: Oil may be buried by sand as, much sand has been deposited in the stream channel where the oil was observed in the past. Lee Glenn observed oil in the stream channel in 1989 & 1990. Veco workers picked up the patch of mousse that was observed today.
This is an adromous stream - It doesn't take commercially harvestable (profitable) river to make a "salmon stream".

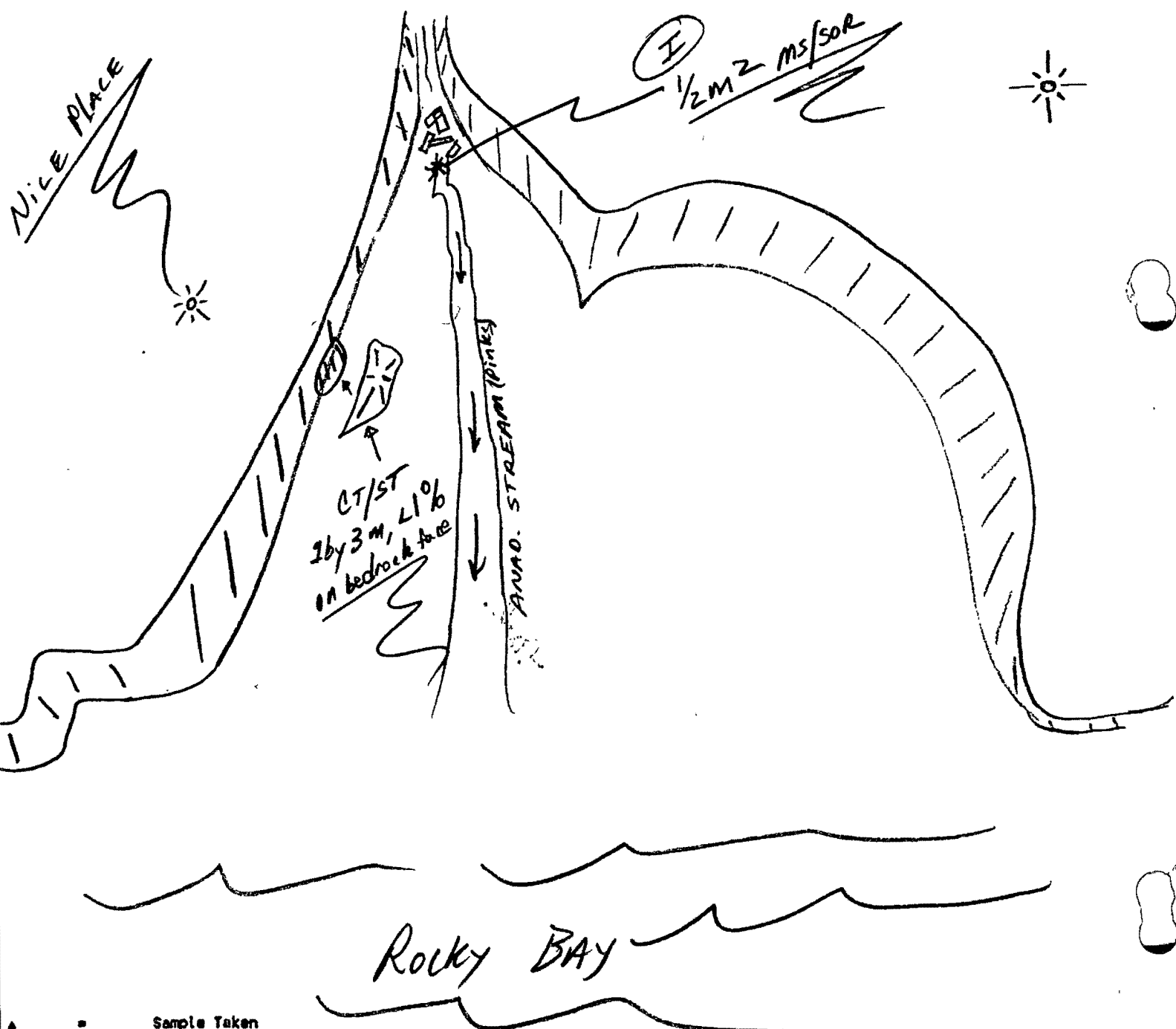
FRAME(S)

DESCRIPTION

30
31
32
33
34
35
36

ADF+G
Photos

* See MAYSAP photo location map
 Gary Shigenaka of NOAA took photos ROLL # 6-15
 Frame # 19-23
 uscg rep. getting shoes cleaned while entering helo
 Lee Glean (ADF+G)
 Doug Hill (ADF+G)
 Doug Hill (ADF+G) Tom Schroeder (EXXON)
 Lee Glean (ADF+G), Seraphim Meganick (Pat Graham), Rex Coulter (EXXON)
 Doug Hill (ADF+G), " " " " "
 Gary Shigenaka (NOAA), Duncan Fitzgerald (OG)



▲ Sample Taken
 ■ Photo Frame # and Shot Direction

ASC # 242-31-10(25)

1991 MAYSAP EVALUATION

SEGMENT: RB 003 SUB: A REGION: KEN SURVEY DATE: 5/15/91

ENVIRONMENTAL SENSITIVITIES:

Work Window(s) RESTRICTED 3/1 - 9/15

Ecological/Constraints (see page two for details) Eagle nest, Fish harvest area, Anadromous stream

ARCHAEOLOGICAL CONSTRAINTS:

If treatment is planned, a cultural resource evaluation is required prior to shoreline treatment.

SHPO Signature: _____ Date: _____

RECOMMENDATIONS:

	INITIAL	TAG	FOSC
TREATMENT REQUIRED (Y or N)	<u>N</u>	<u>N</u>	_____
Manual Pickup (Check as Req.)	_____	_____	_____
Spot Washing	_____	_____	_____
Bio-Customblen Only	_____	_____	_____
Bio-Inipol/Customblen	_____	_____	_____
Other _____	_____	_____	_____
Other _____	_____	_____	_____

COMMENTS:

INITIAL: NTR

TAG: NTR

FOSC: _____

TAG APPROVAL DATE: 5/24/91

FOSC APPROVAL DATE: _____

ADEC _____ FOSC _____

EXXON _____

USCG _____

NOAA _____

**ECOLOGICAL CONSTRAINTS
1991 FIELD ACTIVITIES**

Eagle Nest: Access restricted from 3/1 to 9/1. USF&WS authorization required. Maintain 1000' vertical and 1/4 mile horizontal buffer.

Fish Harvest Area: Unlimited treatment unless otherwise directed by ADF&G. Sheen containment/recovery procedures required for mechanical treatment.

Anadromous Stream: Unlimited treatment up to stream bank between May 15 and July 10. ADF&G approval required for work after July 10. Fish Habitat Permit required for instream work. ADF&G approval required for bioremediation within 100 meters of anadromous stream after July 10.

242-31-10125

ADEC

NAME Doug Hill - ADF&G

SIGNATURE Douglas D Hill

NTR Nice BEACH. *



EXXON

NAME Rex Coulter

SIGNATURE Rex R Coulter

NTR NOTHING AT THIS BEACH TO COMMENT ABOUT, OTHER THAN THE SCENIC BEAUTY.

LANDMANAGER

NAME Seraphim Magranich of Port Graham

SIGNATURE Seraphim Magranich

NTR Light oiling above the creek. **NO REAL OIL OF SIGNIFICANCE** considered more like residual and sheen. Had sq herers completely picked up and by the rock bank near the mine 1XB water count

USCG/NOAA

NAME Chief James Gary Shigenaka

SIGNATURE Robert B. Jones Gary Shigenaka

NTR There is no longer any detectable oil present on the **beach** adjoining shorelines, or **places where it is likely to reach the water again.**

CONCUR WITH ADF&G COMMENTS. A FINE SANDY BEACH THAT SEEMED SOMEWHAT SURREAL AFTER MILES OF ANKLE-STRAINING BOULDER COBBLE SHORELINES SURVEYED. A STREAM RUNS DOWN THE WEST SIDE OF THE BEACH, AND ONE ISOLATED OCCURRENCE OF SOR AND SHEEN WAS NOTED JUST BELOW A JUMBLE OF DEADFALLS AND LOGS ACROSS THE STREAMBED. VECO CREW RECOVERED SAME. COAT WAS OBSERVED ON A ROCK FACE ON THE SOUTHWEST BORDER OF THE BEACH. THESE WERE THE ONLY EVIDENCE OF OILING OBSERVED. ON THE EAST SIDE OF THE BEACH, HEAVY FUCUS GROWTH COVERED A BEDROCK OUTCROP WITH AN EXTREMELY HEAVY RECRUITMENT OF YOUNG MUSSELS (<1-2 YRS), ALL CONSISTENTLY SMALL. A DERELICT CABIN WAS LOCATED IN THE SUPRATIDAL ALONG THE NORTHEAST SHORELINE.

MAYSAP SHORELINE OILING SUMMARY

TEAM NO. 6-Helo

SEGMENT RB-3

OG D. Fitzgerald

BIO T. Schroeder

SUBDIVISION A

ADEC D. Hill of ADFG

LANDMANAGER S. MEGRANICK for Graham ^{Port}

DATE 15 May 1991

EXXON R Coulter

USCG/NOAA Chief Jensen / G. SHIGENAKA

TIME 10:50 to 11:20

TIDE LEVEL 11 ft. to 0.5 ft.

ENERGY LEVEL: H M L

SURVEYED FROM: FOOT BOAT HELO

WEATHER: SUN CLOUDS FOG RAIN SNOW

TOTAL LENGTH SHORELINE SURVEYED: 409 m

NEAR SHORE SHEEN: BR RB SL NONE

EST. OIL CATEGORY LENGTH: W — m M — m N — m VL 3 m NO 406 m US 250 m

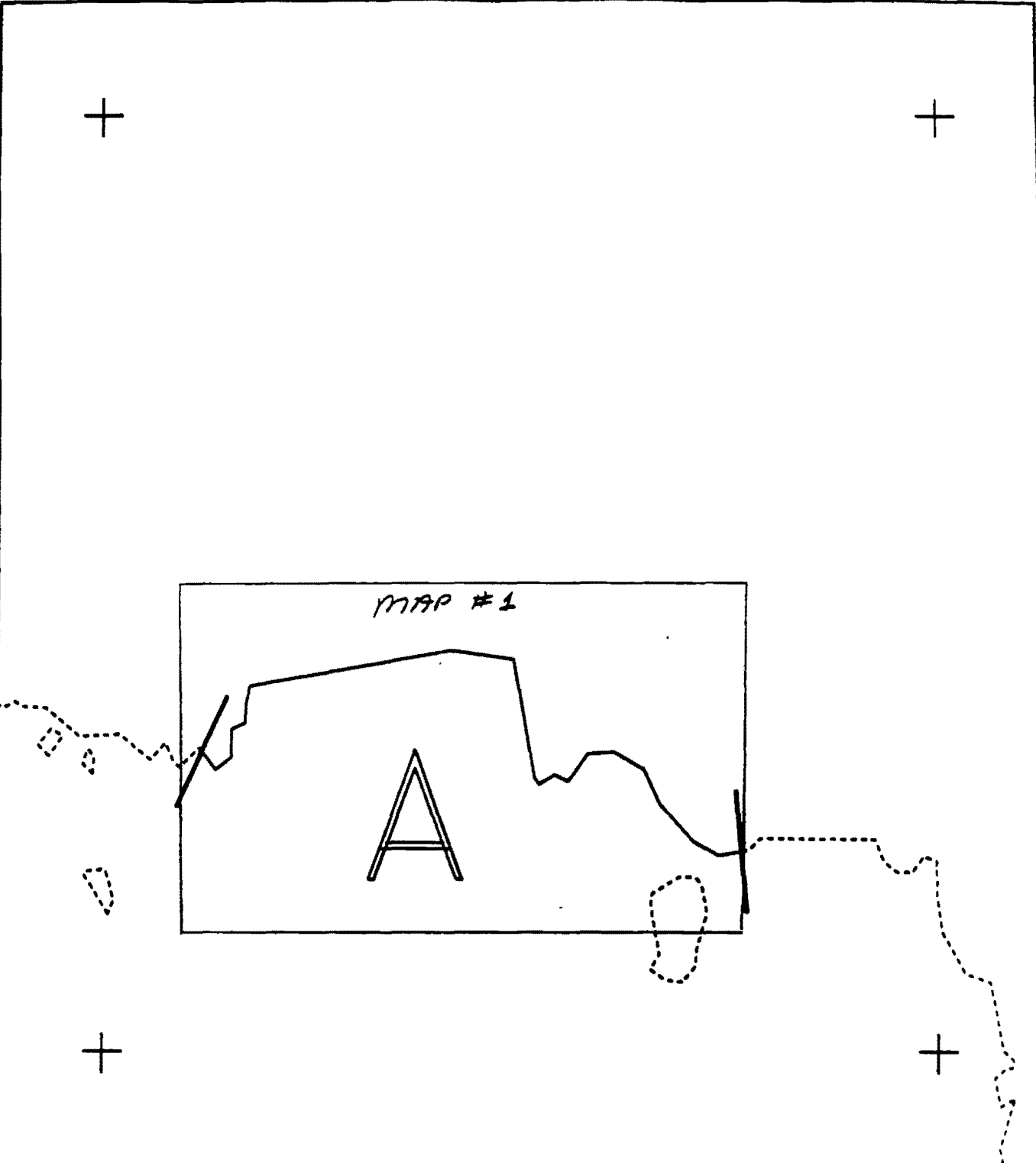
L O C	SURFACE OIL CHARACTER										SURFACE SEDIMENT TYPE	SHORE SLOPE VHML	AREA		ZONE				NOTES			
	AP	MS	TB	SOR	CV	CT	ST	FL	DB	NO			m	m	S	UI	MI	LI				
																				Width	Length	
A						T	T				BR	M	1	3	X					on Bedrock face		

DISTRIBUTION: C = 81-100%; B = 51-90%; P = 11-80%; S = 1-10%; T = <1%
 SLOPE: V = VERTICAL; H = HIGH ANGLE; M = MEDIUM ANGLE; L = LOW ANGLE PHOTO ROLL # MAYSAP- 6-15 FRAMES 19-23

PIT NO.	PIT DEPTH (cm)	SUBSURFACE OIL CHARACTER								OILED ZONE cm-cm	CLEAN BELOW Y/N	H2O LEVEL (cm)	SHEEN COLOR B R S N	PIT ZONE				SURFACE- SUBSURFACE SEDIMENTS	NOTES			
		OP	HOR	MOR	LOR	OF	TR	NO	S					UI	MI	LI						
1	30								X	-	20							SAND	shovel off oil shovel appears in water			

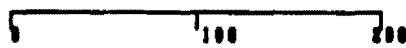
SHEEN COLOR: B = BROWN; R = RAINBOW; S = SILVER; N = NONE

OG COMMENTS: Segment located on the west side of Rock Bay consisting of sandy picnic beaches between bedrock headlands with an ANAD Stream #242-31-10125 at the west end of the segment. The oil found here was a CT/ST along a 3m length of vertical bedrock face. A 1/2m² area of sandy SOR was found and completely removed in front of the log-jam entrance of the ANAD Stream.



RB003 A

METERS



AK State Plogg, Zone 4
ar000300





Subdivision Field Map

Map Key: KENRB003AG

Name: D. Fitzgerald

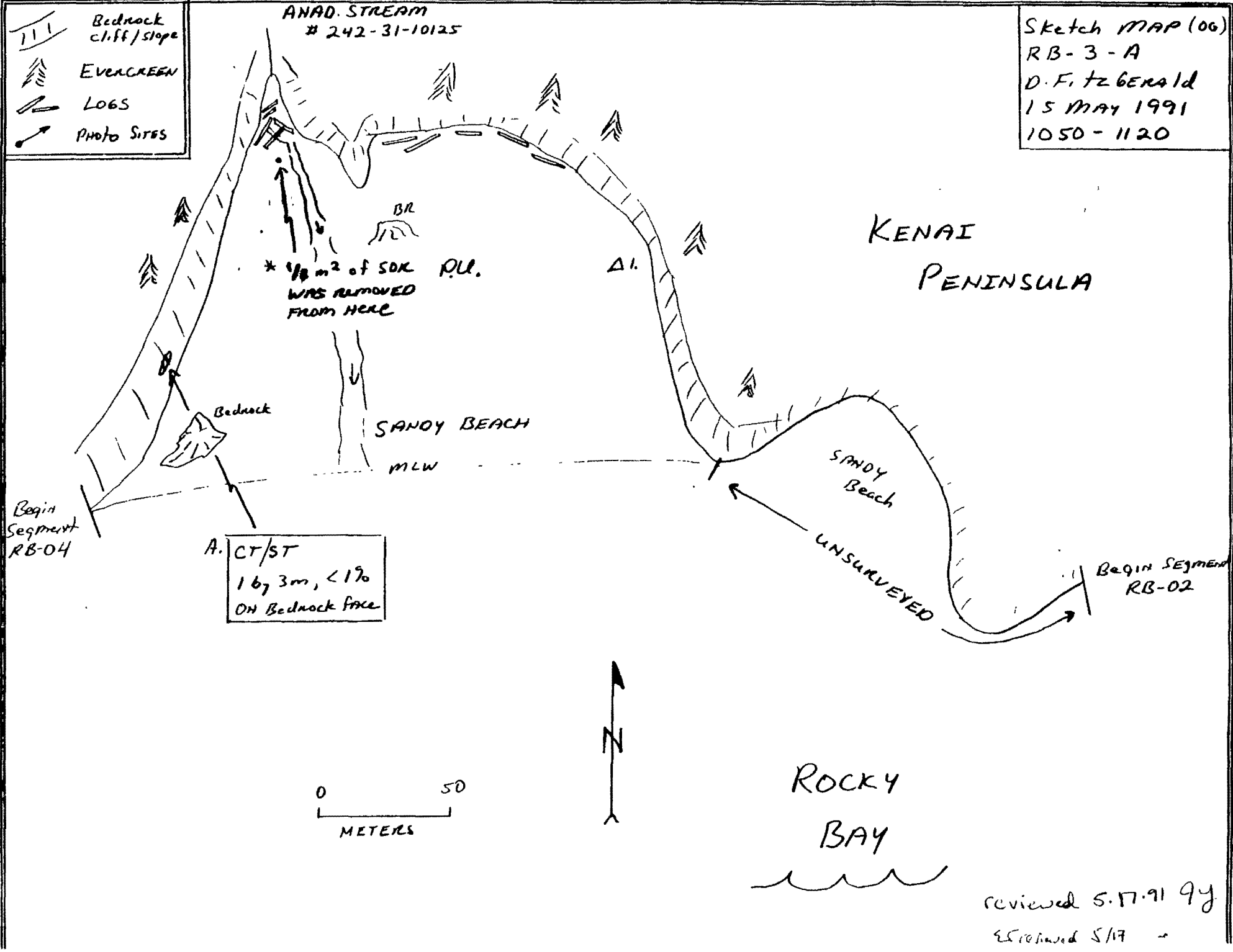
Date: 15 May 1991

24 reviewed 5/17

-  Bedrock cliff/slope
-  EVERGREEN
-  LOGS
-  PHOTO SITES

ANAD. STREAM
242-31-10125

Sketch MAP (06)
RB-3-A
D. Fitzgerald
15 MAY 1991
1050-1120







A. CT/ST
1 by 3m, < 1%
ON Bedrock face

0 50
METERS



ROCKY
BAY

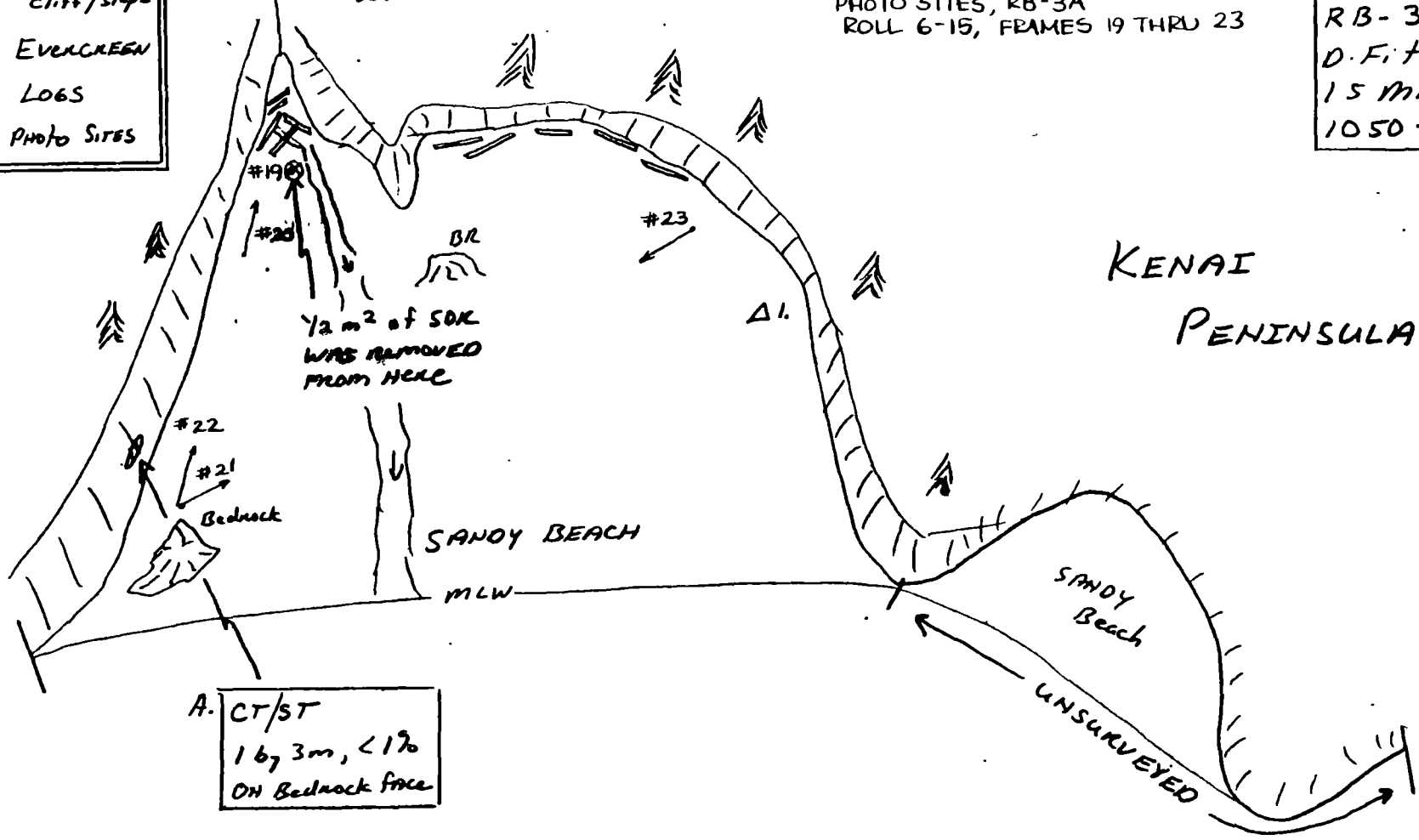
reviewed 5.17.91 gy
revised 5/17 -

-  Bedrock cliff/slope
-  EVERGREEN
-  LOGS
-  PHOTO SITES

ANAD. STREAM
242-31-10125

PHOTO SITES, RB-3A
ROLL 6-15, FRAMES 19 THRU 23

Sketch MAP (06)
RB-3-A
D. FITZGERALD
15 MAY 1991
1050-1120



A. CT/ST
1 by 3m, <1%
ON Bedrock face



ROCKY BAY

reviewed 5.17.91
AT

MAYSAP BIOLOGICAL SUMMARY FORM

TEAM # 6 DATE 5/15/91
 SEGMENT # RB-003 TIDAL HEIGHT (Range) +0.5 to +2.6 ft.
 SUBDIVISION A BIOLOGIST T.R. Schroeder
 SEA STATE calm WIND SPEED/DIRECTION S.W. = 5-10 mph
 PHOTOGRAPHS: ROLL # _____ FRAME # _____

COMMENTS/OBSERVATIONS (to be completed in oiled subdivisions only):

95% of beach is fine sand. Rock outcropping east of the anadromous stream and along the far eastern end of the beach had good mussel growth and extensive quantities of juvenile mussel recruits. Littorine snails and detritus were present along with sea anemones.

Beach was basically low in plant and animal life. The anadromous stream has never produced large numbers of fish and is negligible in its contribution to the commercial or recreational salmon harvest in the area.

Due to the lack of any notable quantities of oil a separate bio. map was considered to be unnecessary.

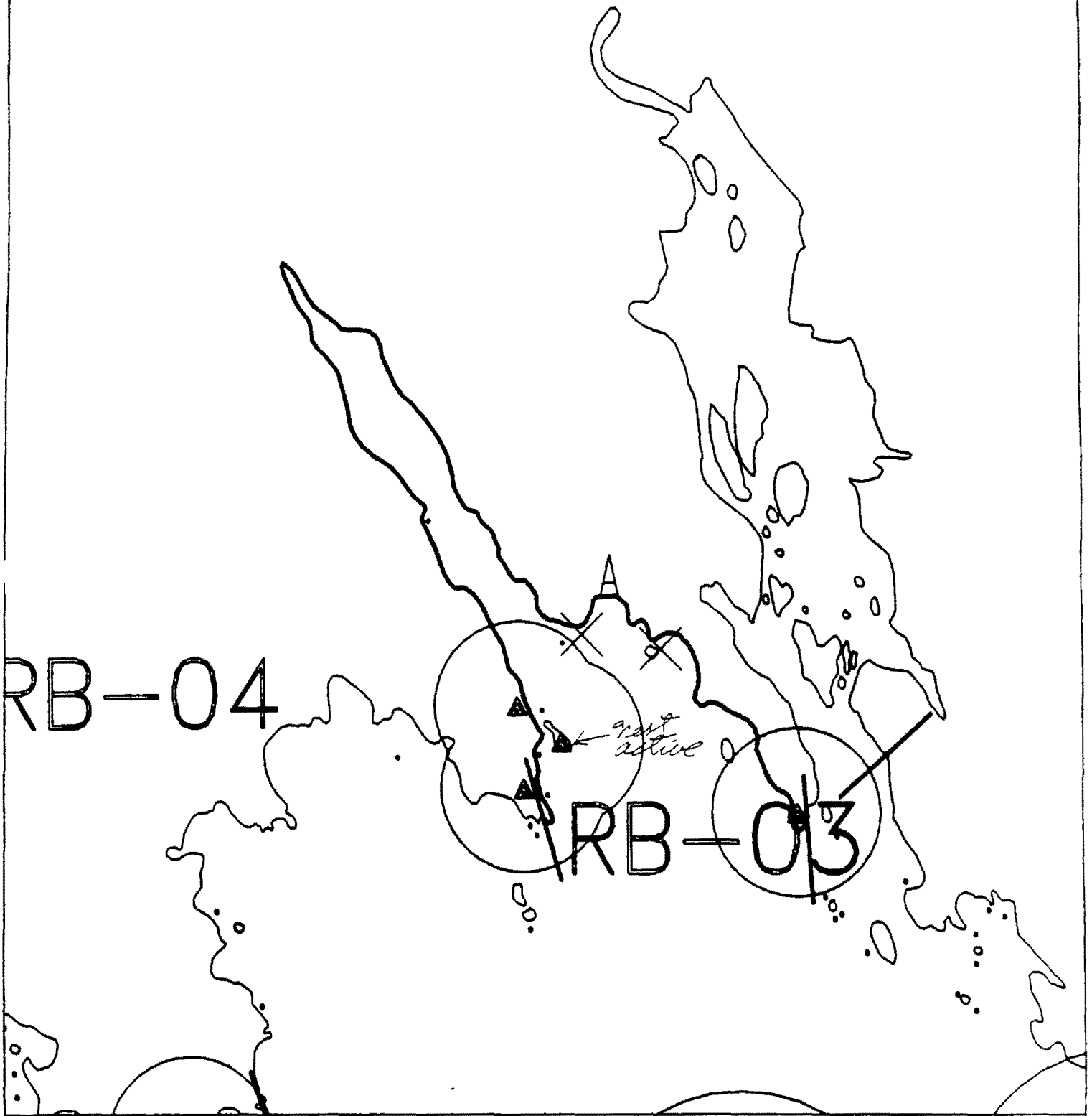
**WILDLIFE OBSERVATIONS
 TO BE COMPLETED IN ALL SUBDIVISIONS**

BIRDS	# OF SPECIES	TOTAL BIRDS	FISH OBSERVED SPECIES PRESENT
Eagles			
Seabirds			
Waterfowl			
Gulls/Kittiwakes	1 gull	5	
Shorebirds			
Corvids			
Other Birds			

MARINE MAMMALS	# OBSERVED	LAND MAMMALS SPECIES	# OBSERVED
Sea Otters			
Pinnipeds (specify)			
Whales (specify)			

Shoreline subdivision map showing important biological features attached.

BIO. Observations
T. R. Schroeder
RB-003-A 5/5/91



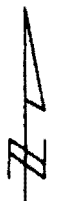
RB-04

RB-03

part active



Exxon Company, USA
Map Key: KEN-RB-3
May 17, 1990

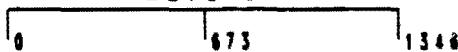


ECOLOGY MAP

SEGMENT RB-3A

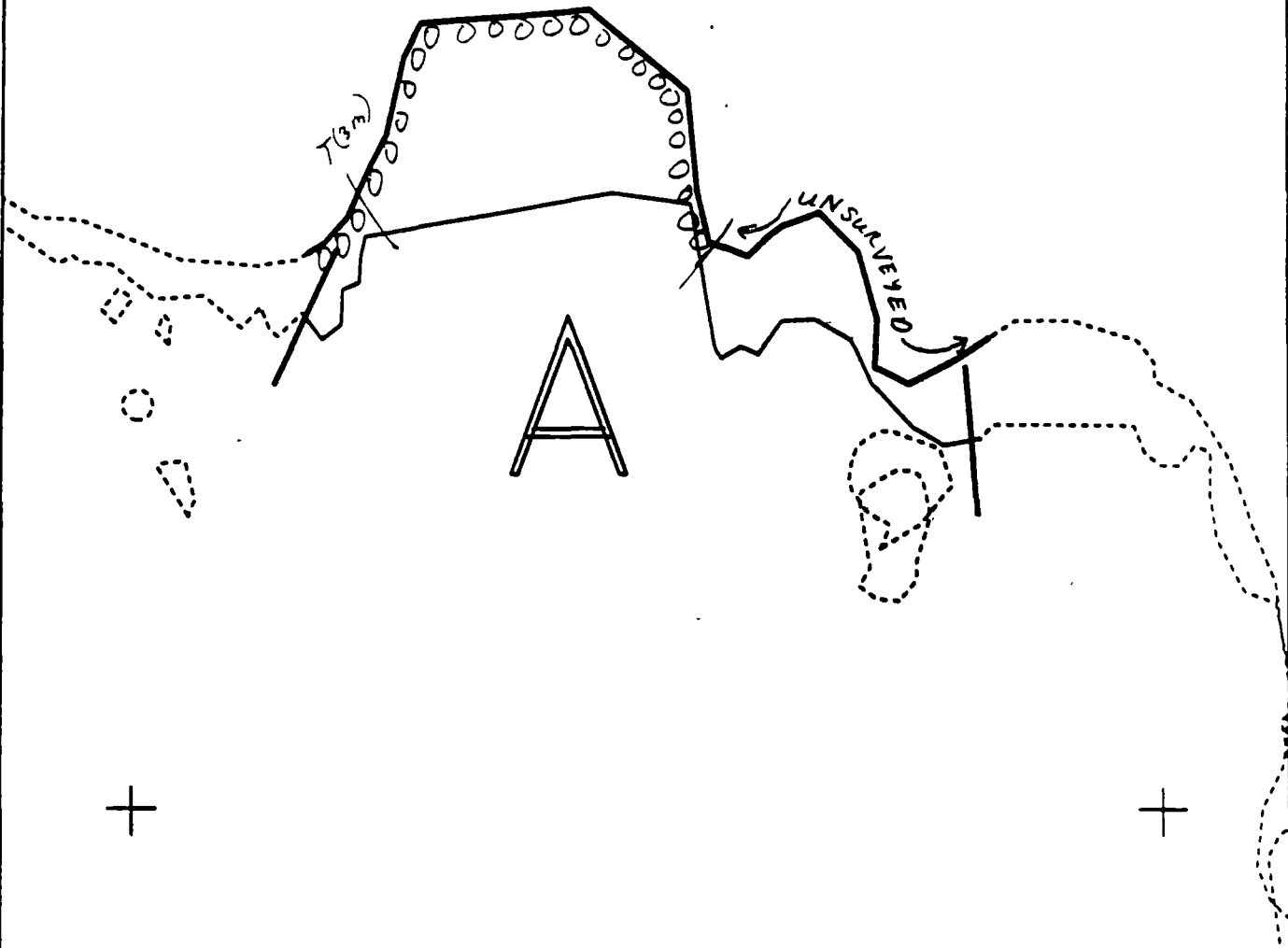
SUBDIVISION ___ (___ of ___)

METERS



- ★ Seabird Colony
- ▲ Eagle Nest

1 inch = 2209 feet



XXXX	Wide	RB003 A	Subdivision Field Map
////	Medium	ADEC Subsegment Length: 650m	Map Key: KENRB003A
---	Narrow	METERS	Name: <u>D. FITZGERALD</u>
TTTT	Very Light	0 100 200	Date: <u>15 May 1991</u>
0000	No Oil	AK State Plane Zone 4	Date Entered:
		rb003a	

Reviewed 5.17.91
 Reviewed 5/17

1991 MAYSAP EVALUATION

maysap-4
2423110125

SEGMENT: RB 003 SUB: A REGION: KEN SURVEY DATE: 5/15/91

ENVIRONMENTAL SENSITIVITIES:

Work Window(s) RESTRICTED 3/1 - 9/15

Ecological/Constraints (see page two for details) Eagle nest, Fish harvest area, Anadromous stream

ARCHAEOLOGICAL CONSTRAINTS:

If treatment is planned, a cultural resource evaluation is required prior to shoreline treatment.

SHPO Signature: Rachel Jan Doe Date: 5/24/91

RECOMMENDATIONS:

	INITIAL	TAG	FOSC
TREATMENT REQUIRED (Y or N)	<u>N</u>	<u>N</u>	<u>N</u>
Manual Pickup (Check as Req.)	_____	_____	_____
Spot Washing	_____	_____	_____
Bio-Customblen Only	_____	_____	_____
Bio-Inipol/Customblen	_____	_____	_____
Other _____	_____	_____	_____
Other _____	_____	_____	_____

COMMENTS:

INITIAL: _____

TAG: _____

FOSC: _____

TAG APPROVAL DATE: MAY 24 1991 FOSC APPROVAL DATE: 6/1/91

ADEC [Signature]

FOSC [Signature]

EXXON [Signature]

E. E. PAGE, CDR, USCG
CHIEF OF STAFF, FOSC

USCG [Signature]

NOAA [Signature]

MAZSA P

1991 STATE WORK ORDER
EXXON VALDEZ OIL SPILL PROJECT
STATE OF ALASKA



KENAI

SEGMENT: RB003

SUBDIVISION: A

SITE:

RECOMMENDED TREATMENT:

No treatment recommended at this time.

ENVIRONMENTAL SENSITIVITIES:

WORK WINDOW: -

CLEANUP PLAN AND COST ESTIMATE DUE:

DATE SUBMITTED: 05/24/91

STATE ON SCENE COORDINATOR:

