

Scorvy Cr

ASC NUMBER: 1242-32-10140 SEGMENT NUMBER: RB-04 YR CATALOGED:
 LOCATION: Rocky Bay, Scorvy Creek
 CAM NAME:
 NAK K-UNIT: LOCAL STREAM #:
 USGS QUADRANGLE: Seldovia A-4
 SHORELINE TYPE: Beach/Lagoon ALL SEGMENTS:
 WAVE EXPOSURE: High LEGAL: S 11S 13W 3

ASC NUMBER:
 SURVEY TYPE: 99
 METHOD: FOOT
 DATE: 5/18/89
 START TIME: 10:50
 STOP TIME: 17:35
 TEAM RECORDER: Doug Hill
 OBSERVERS:
 AGENCY (IES): AOF4G
 PHOTOS TAKEN?
 Roll #: Frames:
 VIDEO TAKEN? Tape Number:
 Counter Start:

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

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1	12	.9	10.8	90	4	—	CT, CV, ST
SITE 2	12	.33	4.0	1	1.5	—	MS, TB
SITE 3	12	.6	72	60	5.0	—	MS (CT, CV)
SITE 4	12	.6	72	70	5.0	—	MS (CT, CV)
SITE 5	91	91	8281	3	5.0	10	OP, HDR

OVERALL OIL IMPACT: M/H
 OIL IN STREAM CHANNEL?
 SUBSTRATE
 OIL ON BEACH WITHIN 50M OF STREAM MOUTH?

Bedrock	Granule 10
Boulder	Sand 80
Cobble	Silt
Pebble 10	Veget.

SPECIES	Pink				
COUNT	300				

My 1st visit to this area was in late May. At that time much of the initial oiling had already been washed back to sea. At that time tarballs were found scattered in and around the lagoon (where the pinks are presently spawning), on the berm at the mouth of the creek and along the length of the beach at the mouth of stream.

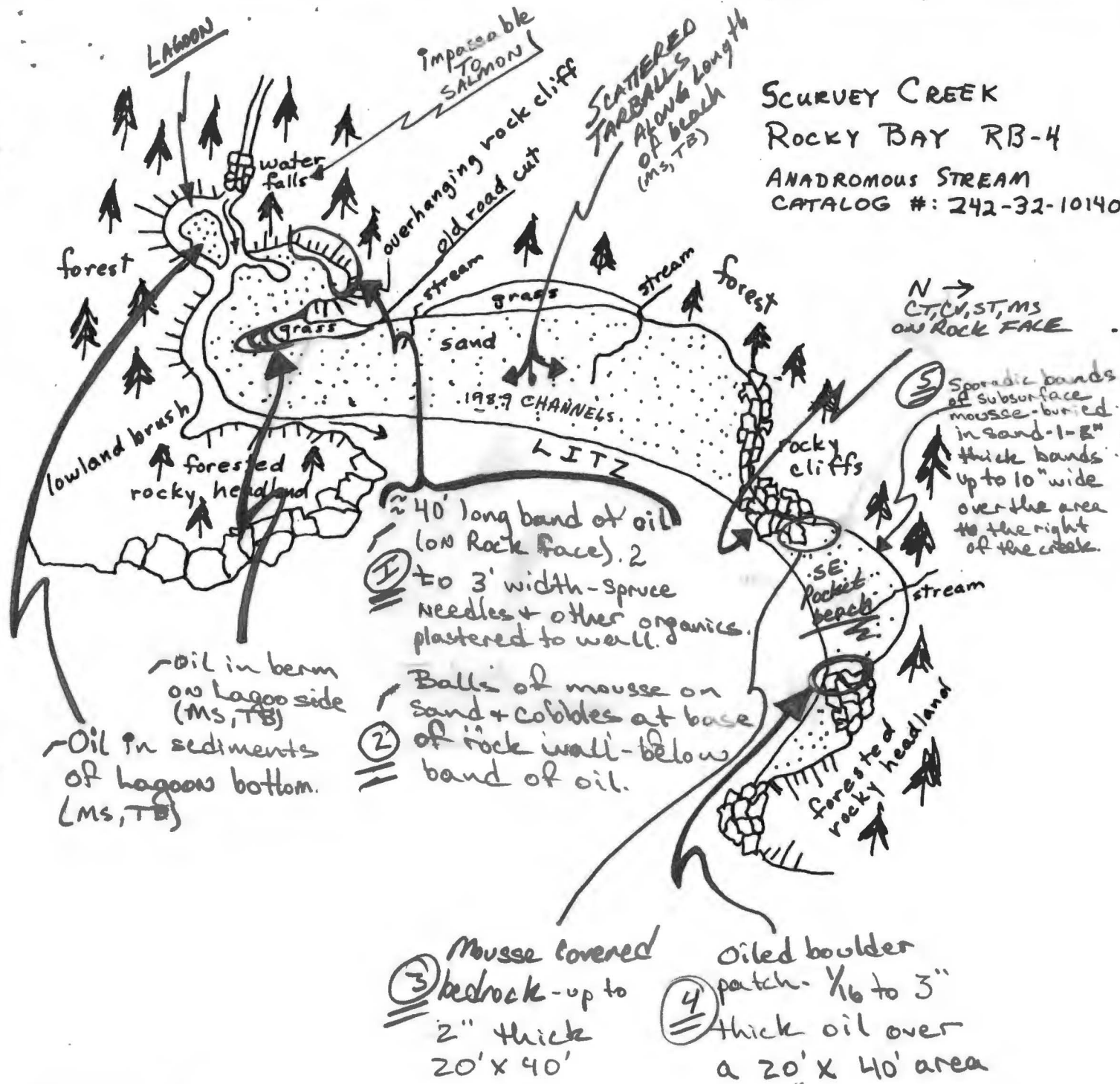
The primary cleanup effort at RB-4 occurred on the pocket beach to the SE of the salmon stream (Scorvy Creek).
 100 yd area

DEC Transect #s 304, 305 + 306 were run in near vicinity of the creek.

ACE 10459770
 +1/15/84/158

Comments over →

SCURVEY CREEK
 ROCKY BAY RB-4
 ANADROMOUS STREAM
 CATALOG #: 242-32-10140



Comments

PHOTOS ⇒

Roll #	Frame #
LP6-002	22, 23
LP6-003	11
890DH 02H + 03H	

Samples ⇒

- ND34SC
- 89 JMO13
- RDR-9/10/89-1520
- 89 NAD055
- 89 NAD054

ANADROMOUS FISH OBSERVATIONS

	PINK	CHUM	RED	KING	COHO	DOLLY		
30 Aerial	300							
30 Ground	300							

30 COMMENTS: Some watermarked/pumps - some fairly bright

Pinks observed by D. Hill on 8/16/89

Sample 8

- 1) North Wall of Lagoon
- 2) Rock Wall NE Side Lagoon
- 3) Lagoon Storm berm - downstream portion of Lagoon
- 4) Field Blank
- 5) Sediment Sample from near water fall.

OIL OBSERVATIONS

EXTENT OF OIL:

	WITHIN STREAM	OUTSIDE STREAM
31 SURFACE COVERAGE		
32 SURFACE THICKNESS		SEE BELOW
33 PENETRATION		Following Page

Oil
Oiled Boulder PATCH
1/16 to 1/2" thick
Coating over a
20' x 40' area
(light oiling)

Oil
Sporadic BANDS
of mousse
sound Subsurface
in beach - 1" to
2" thick bands
up to 10" wide.
Found in pockets - unable to
determine length of
bands

PREDOMINANT
SUBSTRATE TYPE:

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

TRANSECT
305 (ADEL)

OIL DISTRIBUTION DIAGRAM
(SHOW SAMPLING SITES)

Boom Locations
(sea curtain)

Sorbent
Sorbent booms
left in place so
long fragments of
sorbent material
strewn over beach

TRANSECT
304

Oil
Oiled Rock
FACE - 13" vertical
band (15" long
Rock FACE).

2" wide
band of oil
very sporadic
very light
10' long



OVERALL - the oiling is
considered to be light (very)

COMMENTS: PINKS Spawn in Lagoon.

Oil in Berm and in sediments of LAGOON Bottom (SEE GREEN ADK)

ON 6/7/89 - MAREN & Crew Picked up BATCH KELP - minute amount of Oil.

ACE 10459773

ACE 7380373

FISH HABITAT ASSESSMENT FORM

Rocky Bay - Scavy Creek

1 REGION:

2 PWS

3 KP, CI

4 X, AP

5 OBSERVER(S)

Rick Randall
Doug Hill, Lee Glenn
Norcia Dudak
Jane Middleton

6 SITE NO.

11-4

7 AERIAL PHOTO NO.

22, 23, 11

8 CAT NO.

242-32-10140

9 STREAM NAME Scavy Crk.

10 LAT

11 LONG

12 DATE 8/16/89

13 TIME 1650

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. 1) ND3452
2) 89JM013
3) RDR-9/10/89-1520
4) 89NAD055
5) 89NAD054

LOVER TO
SAMPLES →

LP6-002
LP6-009

21 35 MM PICTURES TAKEN? Y N

22 ROLL NO(S) 890DH02H
890DH03H

23 EXPOSURE NO.

24 DESCRIPTION

SEE Following PAGE

25 VIDEO FOOTAGE TAKEN? Y N

26 CASSETTE NO(S)

27 DESCRIPTION:

ACE 10459772

ACE 7380372

Photos => Scurvy Creek 11-4

ROLL #	Exposure	Description
LP6-002	22	Aerial - Boom location
" "	23	Aerial - Boom location and crew
LP6-009	23 2,3,4	Aerial - Scurvy Creek Lagoon
8900H02H	12	Temporary storage site - buried in sand - due to storm
"	13	Oiled debris sacks punctured by storm
"	14	" " " "
"	15	" " " "
"	16	Lagoon - Bath tub ring of oil on night shore in photo (ON ROCK FAKE)
8900H03H	9	Maren I Crew - Searching for oil !?!
"	10	" " " - WASTING time
"	11,12	Two fishing vessels & 5 skiff of Scurvy beach
"	13	Loading LCM Nanuk w/ lightly (if any) oiled debris/kelp
"	14	Oiled (brown) boulders & black surface - due to oil
"	15	Fresh black bear scat - saw with 2 cubs hang around
"	16	Trowel, Sorbent pad and gloves



ACE 10459774

ACE 7380374

STA # 304
 RB-4

4/30/89

Paul Horvath
 Joe Sautner

PAGE _____

DATE

PROFILE Name

START 17:50

FINISH 18:25

TIDAL STAGE Low

FRONT STAKE HT X

LOCATION

Scurvy Creek Station # 304

LOW TIDE 5:03 a.m. 1.9'

BACK STAKE HT X

Slides Frame 25 → 31
 Prints 13 → 15

Survey Bench mark largest Spruce on Beach to the east of drainage. Large Spruce with broken top is 100 yards in off of the beach.

HORIZONTAL (M)	50'	69'	76'	86'														
VERTICAL (CM)																		
% OIL COVER	0%	100%	<1%	<1%														
OIL THICKNESS	1.25cm	1.25cm	1.2cm Penetration	0cm														
COMMENTS	60' from spruce trunk to upper edge of oil.	Oil pooled here about 8' wide. Sandy soil.	1" - Clean Sand Free Stone															

Sample # 1833

None																		
1.25 cm																		
2.5cm																		
Coarse Sand																		

CHECK LIST

- SAMPLES TAKEN -
- depth of oil burial -
- layer thickness -
- oil penetration -
- grain size -
- BIOLOGICAL IMPACT

11/15
 [Handwritten marks]

ACE 7380378
 ACE 10459775

DATE

5/8/84

RB-4

PAGE

PROFILE

Sta. 305

START

10130

FINISH

12150

TIDAL STAGE

Low

FRONT STAKE HT

LOCATION

Rocky Bay, Scurry Creek Beach

LOW TIDE

11:29

BACK STAKE HT

HORIZONTAL (M)

3.6m, 13.35m, 10.35m, 14.9m, 15.1m, 17.8m

VERTICAL (CM)

(-11.5"), (43"), (29"), (25"), (+1.5"), (+19")

% OIL COVER

2%, 5%, 3%, 5%, 80%, 55%

OIL THICKNESS

3mm, 10mm, 5mm, 5mm, 9mm, 4mm

COMMENTS

Handwritten notes in grid cells: No Pent., Pent. 8cm Band of RB, Pent. 30cm RB, Pent. 30cm RB, F24, Pent. 5cm RB, F23, Little to no Pent., Little to no Pent., Small patch site known to be heavily buried, Same as last section, Small patch on sand (Cats) Building (Cats) completely gone, Same as last section, Big hole sand w/ Fecal & mucus, All Cat, Same as last section

RIG F17 (Crew), RB F21 (Crew), RB F22 (Crew), RB F25 (Crew)

ACE 7380380

Neg. Sta

2.55m

(43")

80%

2mm

ACE 10459776

Negative Sta. Bad net

ACE 7380380

CHECK LIST

- SAMPLES TAKEN: -
- depth of oil burial -
- layer thickness -
- oil penetration =
- grain size -
- BIOLOGICAL IMPACT

CLEANUP: # men -
equipment type & # -

Handwritten signature: Site 11/11

R13-4

BEACH TO EAST OF LAGOON
SPAWNING AREA

PROFILE Sta. 305 LOCATION Rocky Bay, Scurvy Creek Beach DATE 5/8/89
 RECORDERS Mike Lewis PHOTOGRAPHS _____ TIME 10:30
 TIDE STAGE Low WEATHER Clear WIND SPEED 15 kb WIND DIRECTION West
 PROFILE ANGLE 295° (Mag) WAVE HT. 1 ft. SAMPLES TAKEN: BIO _____ CHEM _____ SED _____

SEDIMENT TYPE Med. → Coarse Sand → Sandy Gravel and Boulders

R16, F 26-31 (Part Shout of Beach)

R16, F 32 (Oiled Fucus & mussels)

R16, F 33 (oiled Mussels)

R16, F 34 (Oiled Dead Snails)

R16, F 35, 36 (Mussel Oil Dripping off Rocks)

R17, F2 (Oiled Rock In Stream Bed)

R17, F3 (Oiled Debris)

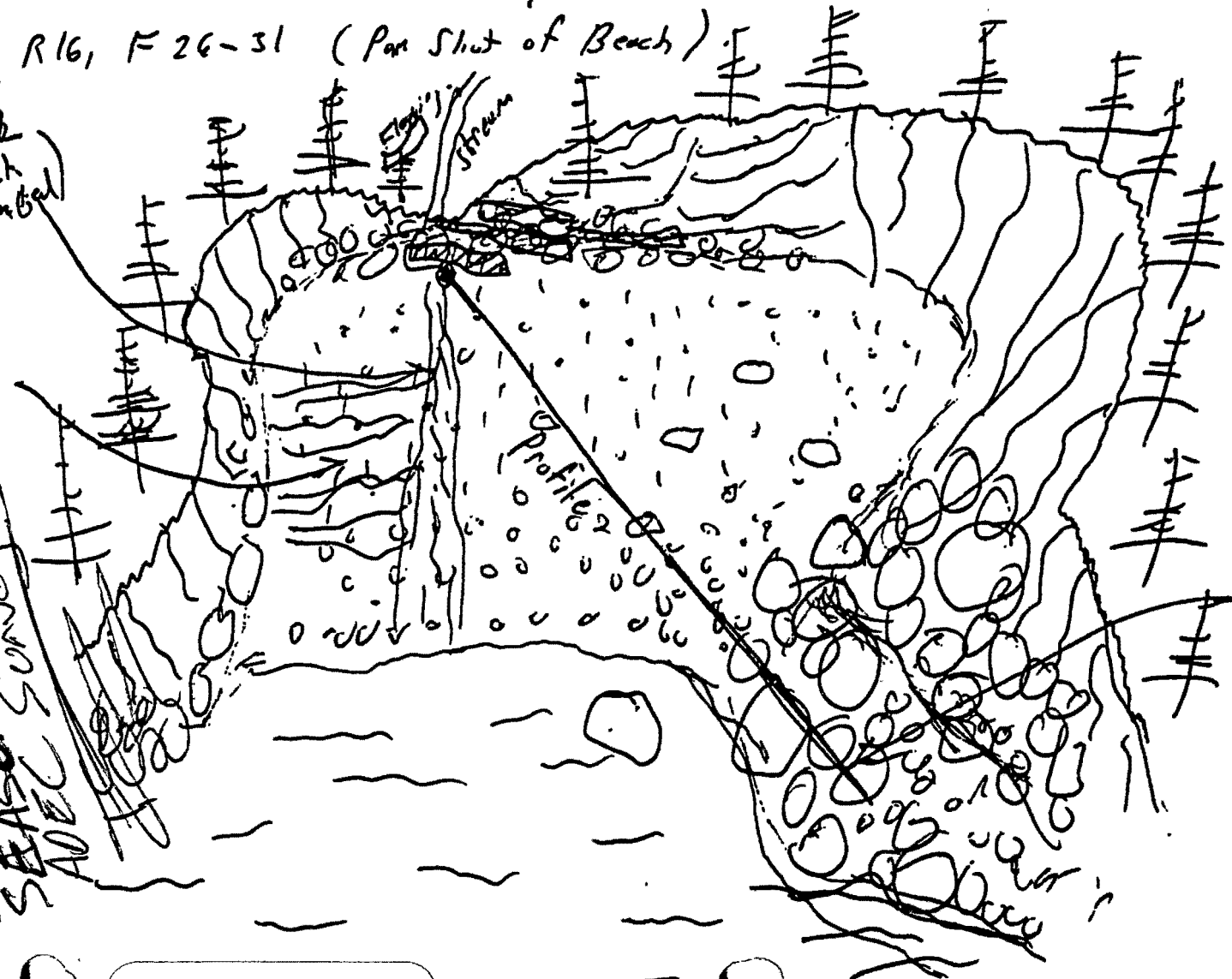
R17, F4 (Profile Line)

Site in
5/11/89

ACE 7380381

EARLY
SEASON
ADOC SURVEY

ACE 10459777



Joe Santner

RIB-4

PAUL HORWATH
JOE SANTNER

4/30/89

PAGE 1

DATE ~~4/30/89~~ STA #306
PROFILE ~~None~~ START 1905 FINISH 19:40 TIDAL STAGE Low FRONT STAKE HT X

LOCATION Small exposed cave on north side of LOW TIDE 1.9' BACK STAKE HT X

Color Prints - Frame # 5-12 SCURRY CR BEACH - STATION - 305
16-18

Survey Marks - Large Boulder/Bedrock knob at DRAW on NW side to bluff face at SE mouth of cave

HORIZONTAL (M)	0'	24'	36'	45'															
VERTICAL (CM)																			
% OIL COVER	50	100	50	No oil															
OIL THICKNESS	1.5cm	5.0cm	1.0cm	N/A															
COMMENTS	oiled patch at base of boulder - oil pooled with vegetation. Penetration 2cm Oil floating over sand 1cm. Pen. END of oil																		

oil pen. 3cm
SAMPLE # 1834

ACE 7380379
ACE 10459778

None																			
5.0cm																			
2.0cm																			
SAND GRAVEL GRADE																			

CHECK LIST

- SAMPLES TAKEN: -
- depth of oil burial -
- layer thickness -
- oil penetration -
- grain size -
- BIOLOGICAL IMPACT

W/11 sites

HOMER ADEC SHORELINE OIL EVALUATION
EXXON VALDEZ OIL SPILL 1989

Observer Dave Kenagy Witnesses Sharie Melhven-Toney

Date: 9/16/89 Time Start: 1929 Time End: 2012

Area Rocky Bay (Scurvy Cr.) Beach Segment or Unit # RB-4

(Latitude): _____ (Longitude): _____

Temp: _____ Weather: Hvy Overcast, light rain.
Seas (height) 2' Wind Direction: SE Speed 10-15
High Tides: 0222 ft. 14.1 ; 1443 ft. 14.5
Low Tides: 0826 ft. -1.3 ; 2050 ft. -1.9

Cordaz
Uncorrected

Length of Mapped Area 372 m. Possible Access: Boat/Helio/Plane
Shoreline character: _____

Beach/Spit/Cove/Mudflat/Delta/Streambed/Headland/Rockface/ _____

Wave Exposure: High/Med/Low Beach Slope: Vert/Low Angle/HI Angle

Sediment: B4 % / C2 % / P3 % / G15 % / S70 % / M % / R6 %

Oil: not observed / observed: Very light/Light/Moderate/Heavy

Location of oil: Supratidal / HWL to SHWL / MITZ / MITZ / LITZ
Continuous: Y/N Width 1 m % of segment (45m long)
Patchy: 15 % coverage % of segment 10

Oil Characteristics: Pooled/Mousse/Sticky/Tarry/Asphalt/Thin Film

Hole # _____
Penetration (cm.) 1, 2, 3, _____, _____, _____, _____, _____, _____, _____, _____, _____
None observed None observed

Subsurface
Depth of Oil _____
Thickness (cm.) 6, _____, _____, _____, _____, _____, _____, _____, _____, _____
2, _____, _____, _____, _____, _____, _____, _____, _____, _____

Saturated/Moussy/OilCoated/Spotty/ _____

Oily Debris: Y/N Description: Oiled driftwood, debris and vegetation.

Comments: Band of oil on rock face to 2mm thick with spruce needles and organics embedded. (Approx 45m long) Oil observed in vegetation near "water fall" - mostly mousse patches and oil-saturated fines and organics.

Site
11-4

ACE 10459779

ACE 7380382

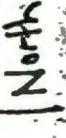
MAP OF AREA

FADK 010.

Documentation:

VCR: Y/N Tape # _____ (Counter) _____
 Photos: Y/N Roll # _____ Frame # 21, 22, 23
 Samples: Y/N Sample # _____

Area not
 closely examined
 No oil detected
 from series
 stream



Site
 5-1-77

Scattered mounds,
 sand walls
 along top of
 dune. 1-2cm
 diameter.

Oil-soaked clay,
 grad of small
 nodules to 3mm
 thick at base
 of rock wall.
 + oiled dead fins

Grass & drift logs

Crazy
 Area

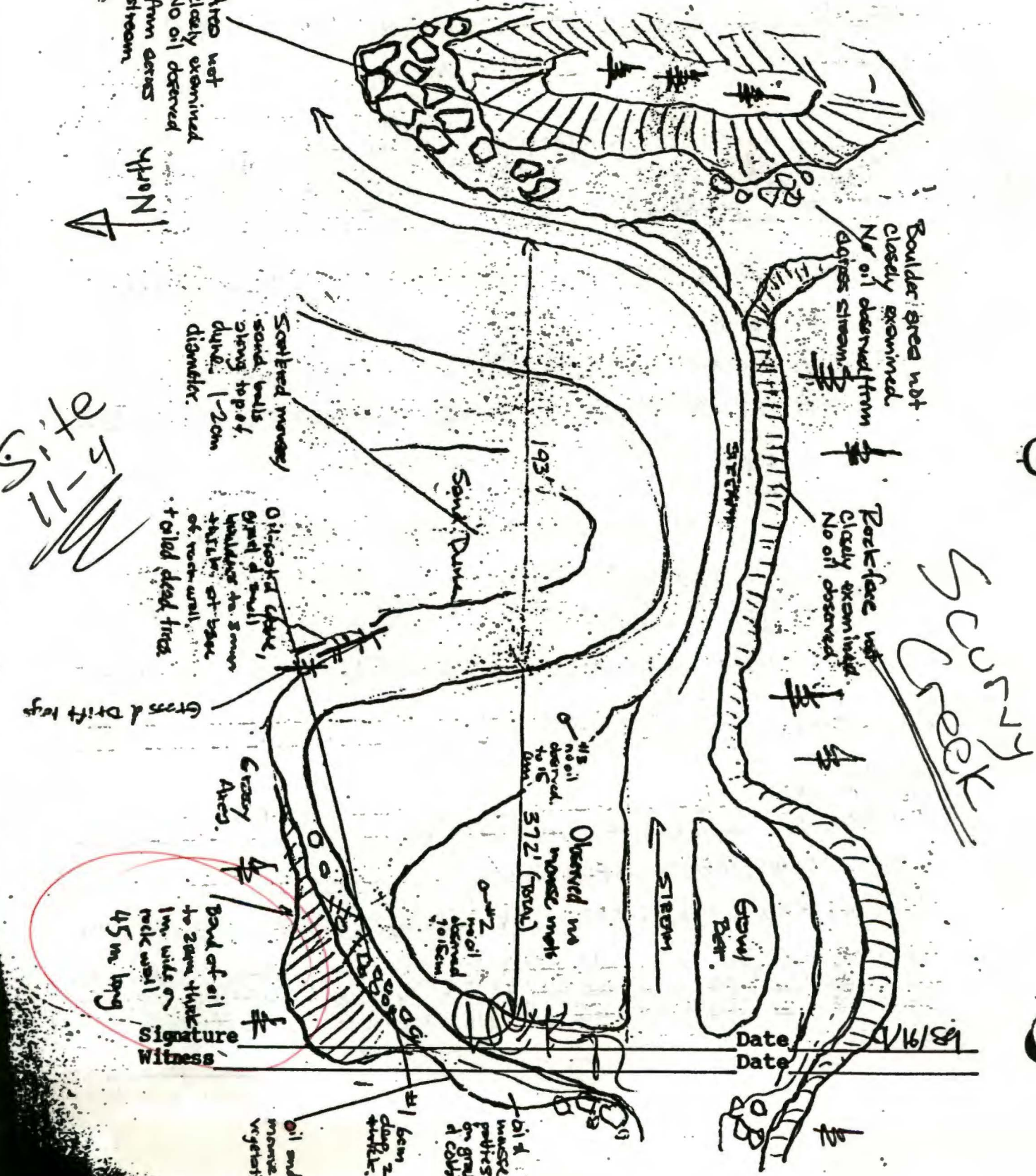
Band of oil
 to 2cm thick
 1m wide on
 rock wall
 45m long

Signature
 Witness

oil and
 mounds in
 vegetation

oil
 2-3m
 thick

oil
 mounds
 on gravel
 & cobble



Boulder area not
 closely examined.
 No oil detected from
 across stream.

Rock face not
 closely examined.
 No oil observed.

500-700
 Creek

Gowd
 Bar

Date
 Date

12/16/77

HOMER ADEC SHORELINE OIL EVALUATION
EXXON VALDEZ OIL SPILL 1989

Observer Russell Kunitz Witnesses Sharia Mathew-Toney DNR

Date: 9/17/89 Time Start: 18:00 Time End: 18:40

Area Rocky Bay Beach Segment or Unit # RB4

(Latitude): _____ (Longitude): _____

Temp: 48°F Weather: overcast light rain
Seas (height) 2 ft Wind Direction: SE Speed 10
High Tides: _____ ft. _____ ft.
Low Tides: _____ ft. _____ ft.

Length of Mapped Area 136 m. Possible Access: Boat Helio / Plane

Shoreline character: _____

Beach / Spit / Cove / Mudflat / Delta / Streambed / Headland / Rockface / _____

Wave Exposure: High / Med / Low Beach Slope: Vert / Low Angle / Hi Angle

Sediment: B20 % / C15 % / P _____ % / G50 % / S15 % / M: _____ % / R: _____ %

Oil: not observed / observed / Very light / Light / Moderate / Heavy

Location of oil: Supratidal / HWL to SHWL / HITZ / MITZ / LITZ
Continuous: YN Width 2 m % of segment 35
Patchy: _____ % coverage _____ % of segment _____

Oil Characteristics: Pooled / Mousse / Sticky / Tarry / Asphalt / Thin Film

Hole # _____
Penetration (cm.) 30 , _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____

Subsurface
Depth of Oil _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____
Thickness (cm.) _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____ , _____

Saturated / Moussy / Oil Coated / Spotty / _____

Oily Debris: YN Description: some red driftwood twigs

Comments: oil located in Spring High tide berm

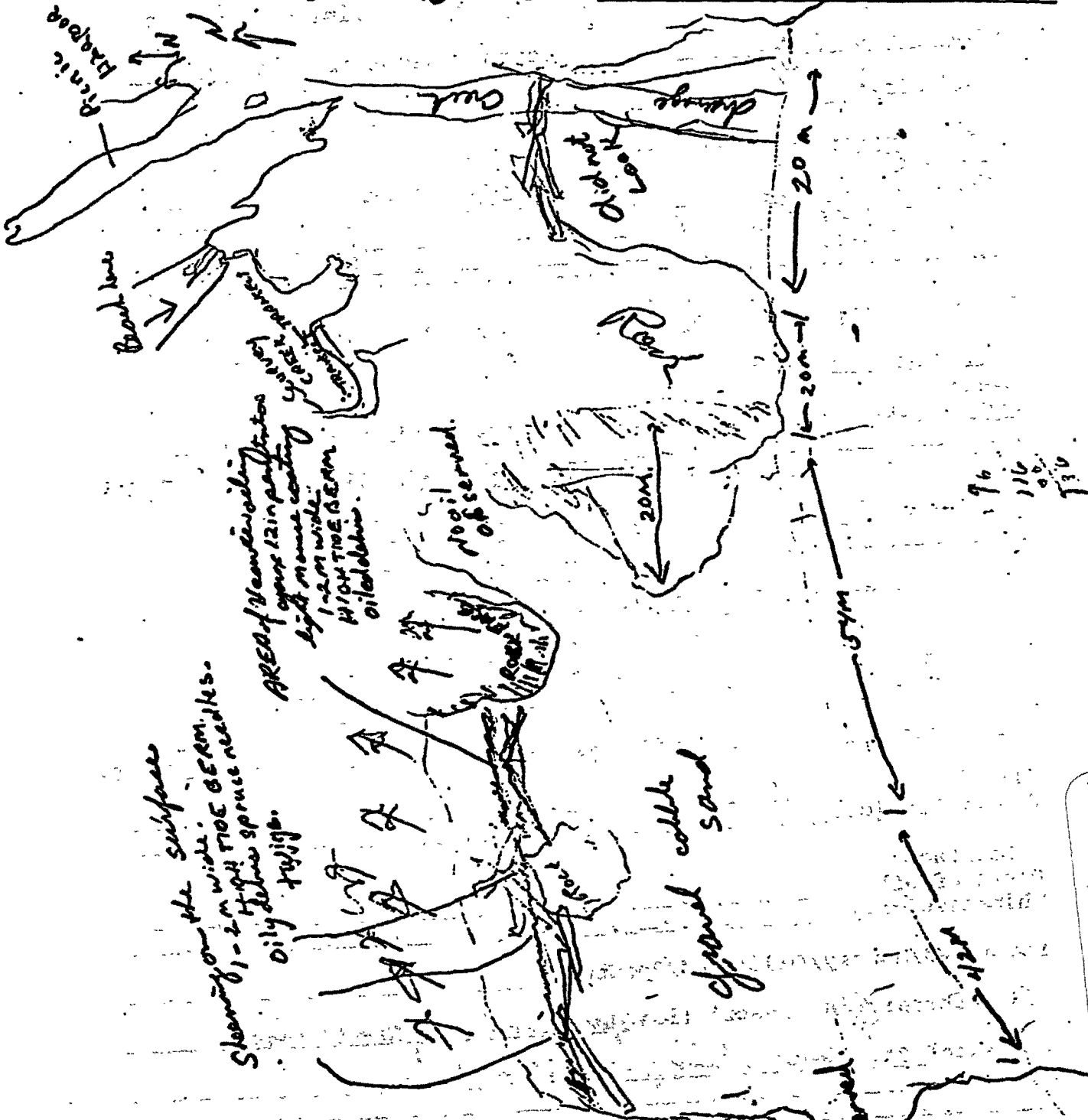
Site
1144
[Signature]

ACE 10459781
ACE 7380384

MAP OF AREA

Documentation:

VCR: Y/Ⓟ Tape # _____ (Counter) _____
Photos: Y/Ⓟ Roll # _____ Frame # _____
Samples: Y/Ⓟ Sample # _____



Signature _____
Witness _____

Date _____
Date _____

Russell Kuntz 9/17/89

ACE 7380385

ACE 10459782

Site 11-4

②

HOMER ADEC SHORELINE OIL EVALUATION
EXXON VALDEZ OIL SPILL 1989

Observer Russel Knubbe Witnesses SHARIE Methven-Toney

Date: 9-18-89 Time Start: 1845 PM Time End: 1910 PM

Area Rocky Bay Beach Segment or Unit #: RB-4

(Latitude): _____ (Longitude): _____

Temp: 55° Weather: Sunny
Seas (height) calm Wind Direction: None Speed None
High Tides: 13.4 ft. 0412; 15.4 ft. 1612
Low Tides: 0.5 ft. 1001; -1.9 ft. 1041

Length of Mapped Area 40 m. Possible Access: Boat/Helio/Plane
Shoreline character: _____

Beach/Spit/Cove/Mudflat/Delta/Streambed/Headland/Rockface

Wave Exposure: High/Med/Low Beach Slope: Vert/Low Angle/Hi Angle

Sediment: B5 / C / P / G20 / S60 / M / R15

Oil: not observed/observed/Very light/Light/Moderate/Heavy

Location of oil: Supratidal / HWL to SHWL / HITZ / MITZ / LITZ
Continuous: Y Width _____ m % of segment _____
Patchy: _____ % coverage % of segment _____

Oil Characteristics: Pooled/Mousse/Sticky/Tarry/Asphalt/Thin Film

Hole # _____
Penetration (cm.) 1, 2, _____, _____, _____, _____, _____, _____, _____, _____

Subsurface
Depth of Oil 10cm, 15cm, _____, _____, _____, _____, _____, _____, _____, _____
Thickness (cm.) 3cm, 3cm, _____, _____, _____, _____, _____, _____, _____, _____

Saturated/Moussy/Oil Coated/Spotty/_____

Oily Debris: Y/N Description: _____

Comments: Photo frame 7 oil below surface, frame 8 -> Photo of length of beach

Site 11-4

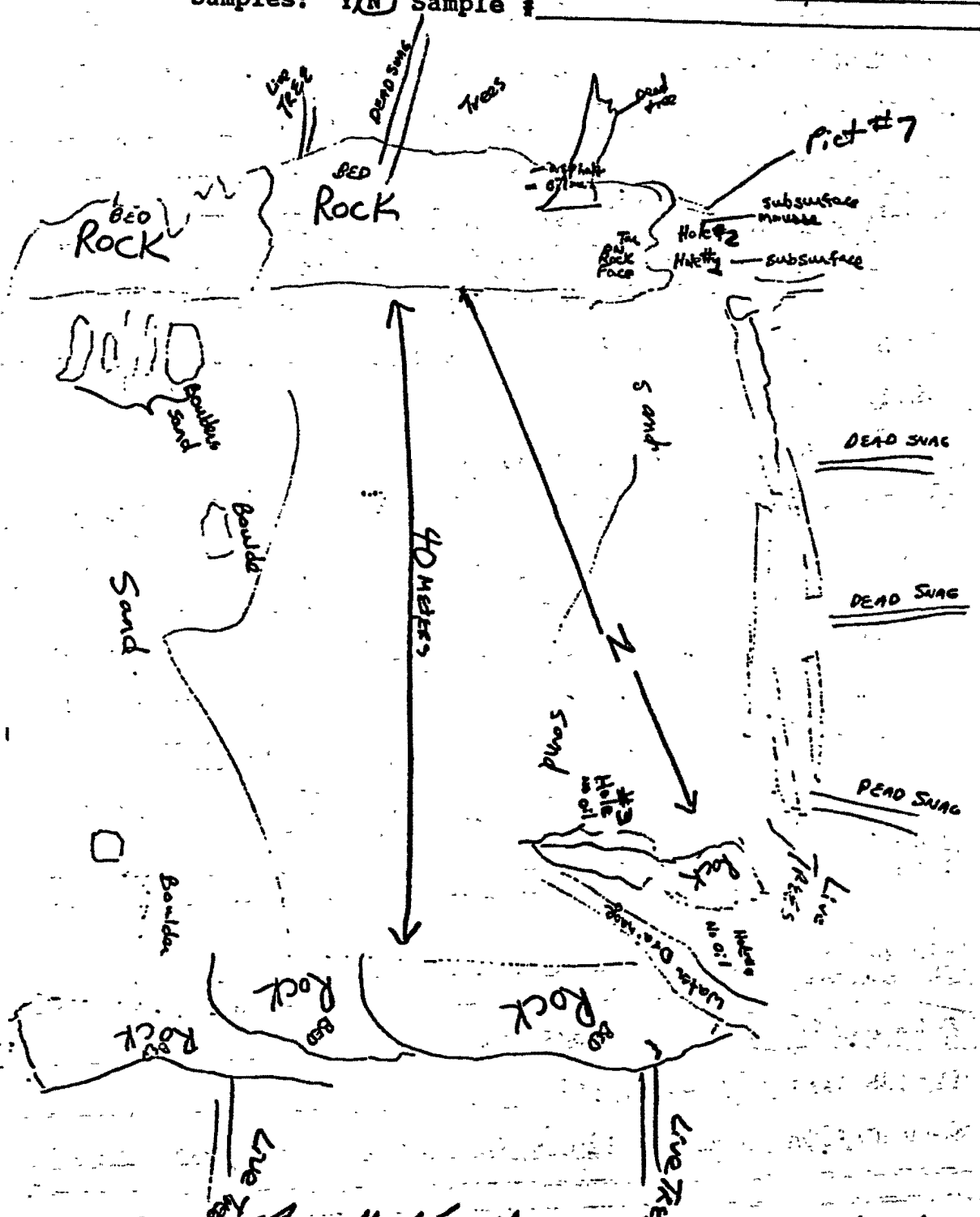
ACE 10459783

ACE 7380386

MAP OF AREA

Documentation:

VCR: Y/N Tape # RTK009 (Counter) _____
Photos: Y/N Roll # _____ Frame # 7,8
Samples: Y/N Sample # _____



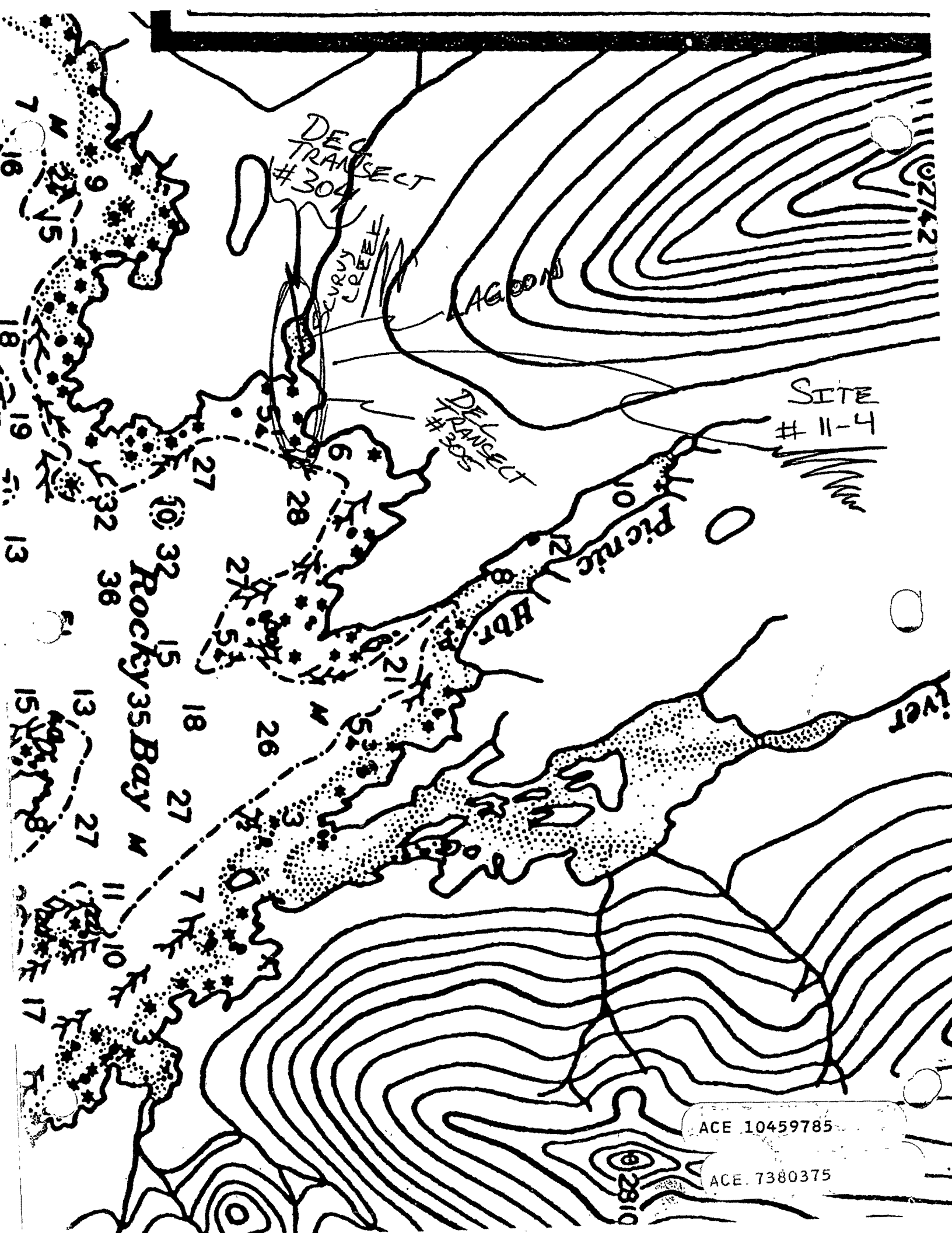
Signature
Witness

Russell Kenibe
Shane Mathew-Jonay

Date 9/18/29
Date 9/18/89

ACE 10459784

ACE 7380387



DEK TRANSECT #304

CURVY CREEK

AG

DEK TRANSECT #305

SITE #11-4

Rocky 35 Bay

Picnic

BBT

ACE 10459785

ACE 7380375

2810

ADEC FIELD REPORT: BEACH CLEANUP ACTIVITIES

LOCATION/AREA: _____ DATE: _____

ADEC-REPRESENTATIVE: _____

USCG-REPRESENTATIVE: _____

EXXON-REPRESENTATIVE: _____

TIME CONTACTED: _____ NUMBER OF CLEANUP WORKERS: _____

TIMES OF OPERATION: _____ HOURS WORKED: _____

TYPE OF CLEANUP: _____ TIDES: HIGH _____
LOW _____

AS REPORTED BY EXXON

AS REPORTED BY ADEC/USCG

MATERIAL AMOUNT: _____ *

NUMBER OF BAGS & TOTES: _____ *

PERCENT OF OIL PER BAG: _____ *

AVG. WGT. OF BAGS: _____ *

METHOD & LOCATION OF DISPOSAL: _____

BOAT ACTIVITIES: _____
(boat names, mission, location)

WILDLIFE OBSERVATION: _____

MISC. COMMENTS AND RECOMMENDATIONS: _____

ACE 10459786

ACE 7380376

ADEC
POST
Treatment
Survey

Info on oiling at Scoring Crk and in vicinity of.

③ 9/8/89 1985-1990. Supra total at base of dead tree HITZ, Tarry oil on Rock 1 Subsurface mouse and sand 3cm thick, 10-15cm below surface photo RTK 022 718
VIDEO RTK 009

② 9/17/89 1900-1940. Very light. Huk - SHWL in SHWL Barn sticky, tarry, thin film. 30 cm penetration. oiled spruce needles driftwood & twigs. RTK, Star, Roth, Pen Tany, DWR.

3s Dummy

Homer Post Treatment Survey

9/16/89

Crew: David Keneagy, Russell Hinde, Sharie Methuen-Toney.

[Signature] 11/28/89
[Signature] 12/16/89

RB004

500.0

① 09/16/89 1929-2012 BC45R Band of oil on rock face, approx. 2mm thick & 45m long. Oil-coated cobble & gravel to 3mm thick at base of rock wall. Scattered mouse balls along top of dune area, approx 1-2cm diameter. Total "length" of area surveyed approx 115m. long. Photos 84DKK 010, #21, 22, 23.

Oiling
H = heavy.
M = moderate
L = Light.
VL = Very light.
NO = No oil observed.
NS = Not surveyed.

Site 21-4

ACE 10459787

ACE 7380377

Transect #304



Scummy Crk

ASC NUMBER: 242-32-10140 SEGMENT NUMBER: RB-04 YR CATALOGED:
 LOCATION: Rocky Bay, Scummy Creek
 AM NAME:
 KODIAK K-UNIT: LOCAL STREAM #:
 QUADRANGLE: Seldovia A-4
 RELINE TYPE: Beach/Lagoon ALL SEGMENTS:
 WAVE EXPOSURE: High

LATITUDE: 59 14 53
 LONGITUDE: 151 26 55
 LEGAL: S 115 13W 3

ASC NUMBER:
 SURVEY TYPE: SS
 METHOD: Foot
 DATE: 5/18/89
 START TIME: 1650
 STOP TIME: 1735

*Nancy, pl. water 5/20/89
 for now we need
 a index - 11
 will use copy to get
 data from log.*

TEAM RECORDER: Doug Hill
 OBSERVERS:
 AGENCY(IES): AOF4G
 PHOTOS TAKEN? Y
 Roll #:
 VIDEO TAKEN? Y
 Tape Number:
 Counter Start:
 5/20/89 11:30 22-23, 11
 8-10 DHO 02H, 21
 Frames:

SAMPLES TAKEN? See Comments N
 SAMPLE I.D. NUMBERS: 1. ~~100501~~
 2. ~~100502~~
 3.
 4.
 5. ~~100503~~
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 98.
 99.
 100.

	LENGTH m	WIDTH m	H2	%	THICK cm	PEN cm	OIL TYPE
SITE 1	12	.9	10.8	90	4	—	CT, CV, ST
SITE 2	12	.33	4.0	1	15	—	MS, TB
SITE 3	12	6	72	60	50	—	MS (CT, CV)
SITE 4	12	6	72	70	50	—	MS (CT, CV)
SITE 5	.91	91	8281	3	50	10	OP, HOR

OVERALL OIL IMPACT: M

OIL IN STREAM CHANNEL? y
SUBSTRATE

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? y

Bedrock	Granule 10
Boulder	Sand 80
Cobble	Silt
Pebble 10	Veget.

SPECIES	PINK				
COUNT	300				

My 1st visit to this area was in late May. At that time much of the initial oiling had already been washed back to sea. At that time tarballs were found scattered in and around the lagoon (where the pinks are presently spawning), on the berm at the mouth of the creek and along the length of the beach at the mouth of stream.

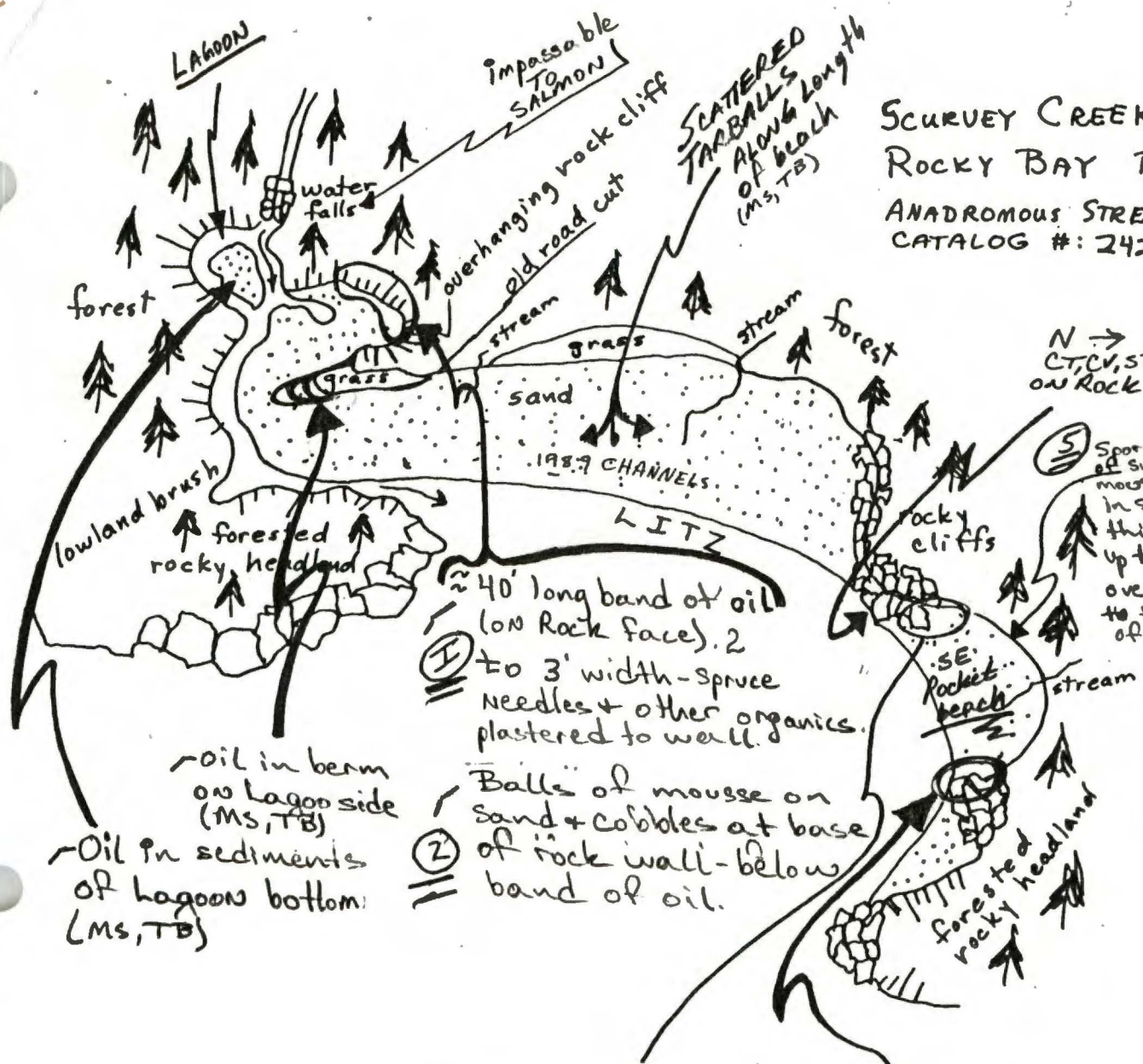
The primary cleanup effort at RB-4 occurred on the pocket beach to the SE of the salmon stream (Scummy Creek).

DEC Transect #s 304, 305 + 306 were run in near vicinity of the site

ACE 10459788 #15

Comments: OVER
 LONTD

SCURVEY CREEK
 ROCKY BAY RB-4
 ANADROMOUS STREAM
 CATALOG #: 242-32-10140



N →
 CT, CV, ST, MS
 ON ROCK FACE

⑤ Sporadic bands of subsurface mousse-buried in sand - 1-2" thick bands up to 10" wide over the area to the right of the creek.

① ~40' long band of oil (on Rock face). 2 to 3' width - spruce needles + other organics plastered to wall.

② Balls of mousse on sand + cobbles at base of rock wall - below band of oil.

③ Mousse covered bedrock - up to 2" thick 20' x 40'

④ Oiled boulder patch - 1/6 to 3" thick oil over a 20' x 40' area

Comments

PHOTOS ⇒	Roll #	Frame #
	LPG-002	22, 23
	LPG-003	11
	890DH 02H & 03H	

Samples ⇒	Date
ND345C	(7/20/89)
89 JMO13	(8/02/89)
RDR-9/10/89-1520	
89 NAD055	(9/13/89)
89 NAD054	(9/13/89)

None of these dates were from May.

FISH HABITAT ASSESSMENT FORM

Rocky Bay - Scurvy Creek

1 REGION:

2 PWS

3 KP, CI

4 K, AP

5 OBSERVER(S)

Rick Randall
Doug Hill, Lee Glenn
Norwa Didlak
Jane Middleton

6 SITE NO. 1F-4

7 AERIAL PHOTO NO. 22, 23, 11

8 CAT NO. 242-32-10140

9 STREAM NAME Scurvy Crk.

10 LAT

11 LONG

12 DATE 8/16/89

13 TIME 1650

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-9/10/89-1520

1 ND3452
2 89JM013
3 RDR-9/10/89-1520
4 89NAD055
5 89NAD054
LOVER TO SAMPLES
LP6-002
LP6-009
890DH02H
890DH03H

21 35 MM PICTURES TAKEN? Y N

22 ROLL NO(S) 890DH02H
890DH03H

23 EXPOSURE NO.

24 DESCRIPTION

SEE FOLLOWING PAGE

25 VIDEO FOOTAGE TAKEN? Y N

26 CASSETTE NO(S)

27 DESCRIPTIONS

ACE 10459790

ACE 7380372

ANADROMOUS FISH OBSERVATIONS

PINK CHUM RED KING COHO DOLLY

18	Aerial	300						
19	Ground	300						

20 COMMENTS: Some watermarked humps - some fairly bright

Pinks observed by D. Hill on 8/16/89

Sample 8

- 1) North wall of Lagoon
- 2) Rock Wall NE side Lagoon
- 3) Lagoon Storm berm - downstream portion of Lagoon
- 4) Field Blank
- 5) Sediment Sample from near water fall.

OIL OBSERVATIONS

EXTENT OF OIL:

	WITHIN STREAM	OUTSIDE STREAM
21 SURFACE COVERAGE		
22 SURFACE THICKNESS		SEE BELOW
23 PENETRATION		Following Page

oil
Boulder PATCH
1/16 to 1/2" thick
Coating over a
20' x 40' area
light oiling

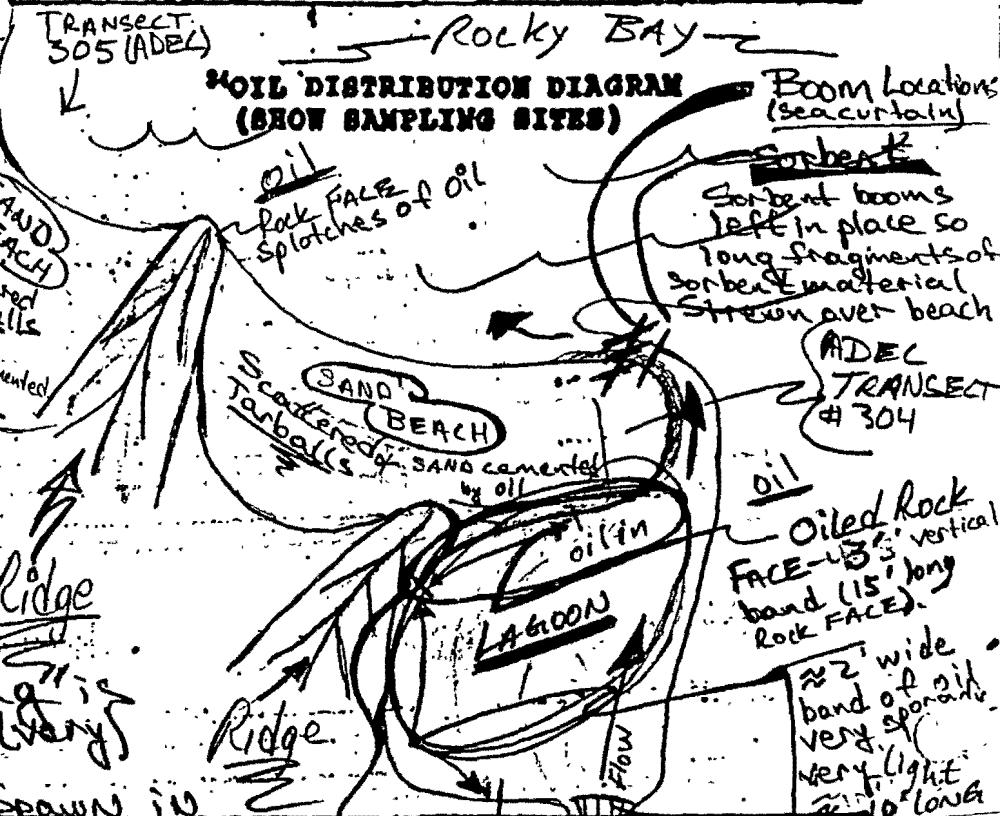
24 PREDOMINANT SUBSTRATE TYPE:

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

oil
Sporadic BANDS
of mousse
around subsurface
beach - 1" to
" thick bands
p to 10" wide,
found in pockets - unable to
determine length of
bands

OVERALL - the oiling is
considered to be light (very)

COMMENTS: PINKS SPAWN IN
Lagoon.



oil in Berm and in sediment of LAGOON Bottom (SEE GRAY ADEL)

6/7/89 - MAREN Z. Crew Picked up BATCH KELP - minute amount of Oil.

AGE 10459791
AGE 7380373

ADF&G MULTI-ASSESSMENT FORM
1991 GENERAL ENTRY CHECKLIST



STREAM#: 2423210140
SEGMENT: RB004

PAGE 25

DATE PRINTED: 06/21/91

LOCATION: ROCKY BAY, PICNIC HARBOR, 1.5 MILES WEST OF

SURVEY TYPE: 90 PRE SCREEN - SS

METHOD: GROUND

DATE: 04/11/90

TEAM RECORDER: HILL

START TIME: 0922

OBSERVERS: MCLANE

END TIME: 1008

OG/HAB DISCREPANCIES: -

AGENCY: FG

PHOTOS TAKEN: N

STATION: 2423210140

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: N

OVERALL OIL IMPACT: VL

OIL ON BEACH BY MOUTH: -

WAVE EXPOSURE: HIGH

SHORELINE TYPE: BEACH LAGOON

SUBSTRATE TYPE: BEDROCK -0- BOULDER -0- COBBLE 80 VEGETAT -0-

GRAVEL -0- SAND 20 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 28

DATE PRINTED: 06/21/91

STREAM# : 2423210140
SEGMENT#: RB004

SURVEY TYPE : 90 PRE SCREEN - SS LOCATION: ROCKY BAY, PICNIC HARBOR,
DATE: 04/11/90 1.5 MILES WEST OF
TIMES: 0922 - 1008 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-	46	1	-0- 46	85	.5	1	CT CM ST CV TB
2	-0-	-0-	23	1	-0- 23	5	1	-0-	

COMMENTS:

LIGHTLY OILED ~~COVERED~~ ROCK WALL FACE. ^{oil} SATURATED SEDIMENT BENEATH ROCK FACE.
(OIL SATURATED). OILED WOOD ON BANK. ^(L) LARGE STUMPS ON NE SHORE OF LAGOON
REFLECT LEVEL THAT OIL ENTERED LAGOON. OIL COVERED ROCK FACE SURROUNDS
LAGOON. FOUND A FEW SCRAPS OF SORBENT BOOM MATERIAL (BLUE) IN LAGOON AREA.
NO ANADSCAT RECOMMENDED. SITE 11-4 OF 1989 AFHA.
OIL ON STREAM BANKS: YES
OIL WITHIN 1 MILE OF STREAM: YES, ALONG ROCK WALL AT EDGE OF STREAM

ASC NUMBER: 242-32-10140 SEGMENT NUMBER: RB-4 YR CATALOGED:
 LOCATION: CLKP, Rocky Bay
 STREAM NAME: Scurvy Creek
 DIAMETER: . LOCAL STREAM #: LATITUDE: 59 14 53
 UTM QUADRANGLE: Seldovia A-4 LONGITUDE: 151 26 55
 SHORELINE TYPE: Beach, Lagoon ALL SEGMENTS: LEGAL:
 WAVE EXPOSURE: High

ASC NUMBER: 242-32-10140
 SURVEY TYPE: PreScreening
 METHOD: Foot
 DATE: 4 / 11 / 90
 START TIME: 0922
 STOP TIME: 1008

TEAM RECORDER: Doug Hill
 OBSERVERS: Susan McLane

AGENCY(IES): ADFG

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

SAMPLES TAKEN? N

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

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1	46 m	1 m	46	85	.5 cm	1 cm	CT, CM, ST, CV
SITE 2	23 m	1 m	23	5	1 cm	—	TB
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 20
Cobble 80%	Silt
Pebble	Veget.

<input checked="" type="checkbox"/> SPECIES					
COUNT					

COMMENTS: See attached MAD Form (transfer comments section + comments from diagram section).

OK

* Site 11-4 of 1989 AFHS
 * See MAD file for further info

ACE 10459794 +/9

Group A

ADF&G MULTI-ASSESSMENT DATA FORM

Prescreening

1 SURVEY TYPE: BS SS DS TS AVS SCHA MHS PTA 2 REGION: PWS (K)CI K,AP

METHOD: Aerial Ground Boat Cordova

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

4 START TIME: 0922 16 HIGH TIDE HTS: 13.01 22 OBSERVERS: Susan McLane

5 STOP TIME: 1008 17 LOW TIDE TIMES: 091710 23 AGENCY: ADFG

6 SEGMENT #: RB-4 18 LOW TIDE HTS: -1.01 24 PHOTOS TAKEN: Y (N)

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

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

9 STAT AREA: 24232 20 USCG QUAD: _____ Start: _____ End: _____

10 LAT: 59° 14' 90 11 LONG: 151° 26' 85 26 SAMPLES TAKEN? Y (N) Number

12 SOURCE: Map Loran OIL _____

13 LOCATION: AFS 242-32-10140 Sediment _____

14 DESCRIPTION: Rocky Bay - Scurvy Creek (N.W.) 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	<u>VL</u>	L	M	H			

31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain

32 OILED DEBRIS? Y (N)

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

34 WAVE EXPOSURE: High Moderate Low

35 SUBSTRATE TYPE: Bedrock _____ Boulder _____ Cobble 80%
Gravel X Sand X 20% Mud/silt _____

36 CATALOGED ANAD. FISH SREAM? (Y) N

37 CATALOG #: 242-32-10140

38 STREAM NAME: Scurvy Cr.

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: along rock wall at edge of stream

43 ANADROMOUS FISH PRESENT? Y (N)

44 ANADROMOUS FISH OBSERVATION

Species	Aerial	Ground

COMMENTS: Covered Lightly oiled ~~coated~~ rock wall face - saturated sediment beneath rock face (oil saturated), oiled wood on bank.

* Large stumps on NE shore of lagoon reflect level that oil entered lagoon - Oil covered rock face surrounds lagoon.

Found a few scraps of Sargent boom material (blue) in lagoon area

R.B-4

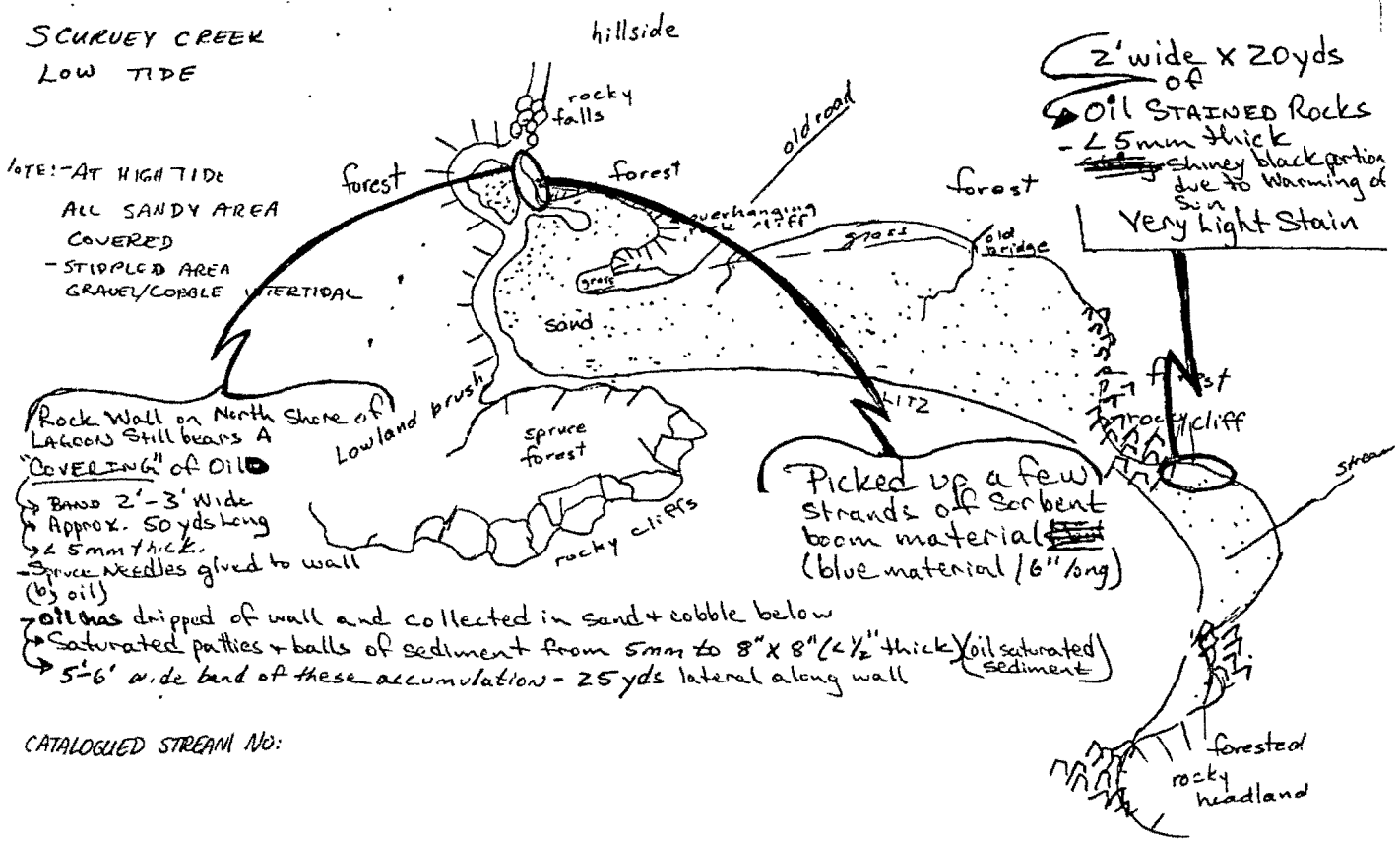
FRAME(S)

DESCRIPTION

46 OIL DISTRIBUTION DIAGRAM

SCURVEY CREEK
LOW TIDE

NOTE: - AT HIGH TIDE
ALL SANDY AREA
COVERED
- STIPPLED AREA
GRAVEL/COBBLE INTERTIDAL



2' wide x 20 yds
of
Oil STAINED Rocks
- 2.5mm thick
- Shiny black portion
due to warming of
Sun
Very light stain

Picked up a few
strands of sorbent
boom material
(blue material / 6" long)

Rock Wall on North Shore of
Lagoon Still bears A
"COVERING" of OIL
- Band 2'-3' Wide
- Approx. 50 yds long
- 2.5mm thick.
- Spruce Needles glued to wall
(by oil)
- Oil has dripped off wall and collected in sand + cobble below
- Saturated patties + balls of sediment from 5mm to 8" x 8" (< 1/2" thick) (oil saturated sediment)
- 5'-6' wide band of these accumulation - 25 yds lateral along wall

CATALOGUED STREAM NO:



No ANAOSCAT Recommended

ACE 10459796 7/5

ACE 1955665

ASC NUMBER: 242-32-10140 SEGMENT NUMBER: RB-4

YR CATALOGED:

LOCATION: O'Leary, Rocky Bay

STREAM NAME: Scurvy Creek

LATITUDE: 59 14 53

LONGITUDE: 151 26 55

LEGAL:

DIAK K-UNIT:

LOCAL STREAM #:

USGS QUADRANGLE: Seldovia A-4

SHORELINE TYPE: Beach, Lagoon

ALL SEGMENTS:

WAVE EXPOSURE: High

ASC NUMBER: 242-32-10140

TEAM RECORDER: Doug Hill

SURVEY TYPE: Prescreening

OBSERVERS: Susan McLane

METHOD: Foot

AGENCY(IES): ADF&G

DATE: 4/11/90

START TIME: 0922

STOP TIME: 1008

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	46 m	1 m		85	5 cm	1 cm	CT, CM, ST, CV
SITE 2	23 m	1 m		5	1 cm	—	TB
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 20
Cobble 80%	Silt
Pebble	Veget.

SPECIES					
COUNT					

COMMENTS: see attached MAD Form (transfer comments section + comments from diagram section)

OK

* Site H-4 of 1989 AFHS
* See 1990 field log for further info

ACE 10459797 7/5

Group A

ADF&G MULTI-ASSESSMENT DATA FORM

Prescreening

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

2 REGION: PWS KP CI K, AP

METHOD: Aerial Ground Boat

Cordova

3 DATE: 4-11-90

16 HIGH TIDE TIMES: 1450

21 TEAM RECORDER: Doug Hill

4 START TIME: 0922

18 HIGH TIDE HTS: 13.0

22 OBSERVERS: Susan McLane

6 STOP TIME: 1008

17 LOW TIDE TIMES: 0917

23 AGENCY: ADF&G

8 SEGMENT #: RB-4

18 LOW TIDE HTS: -1.0

24 PHOTOS TAKEN: Y N

7 STATION #:

19 TIDE HT AT SURVEY: dead low

Roll #: _____ Frames: _____

8 K-UNIT:

Ebb Slack Flood Slack

25 VIDEO TAKEN: Y N TAPE#: _____

9 STAT AREA: 24232

20 USCG QUAD: _____

Start: _____ End: _____

10 LAT: 59° 14' 40

11 LONG: 151° 26' 85

28 SAMPLES TAKEN? Y N Number

12 SOURCE: Map Loran

Oil _____

13 LOCATION: AFS 242-32-10140

Sediment _____

14 DESCRIPTION: Rocky Bay - Scurvy Creek (N.W.)

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			

38 CATALOGED ANAD. FISH STREAM? Y N

37 CATALOG #: 242-32-10140

38 STREAM NAME: Scurvy Cr.

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

31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain

32 OILED DEBRIS? Y N

Where: along rock wall at edge of stream

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

43 ANADROMOUS FISH PRESENT? Y N

34 WAVE EXPOSURE: High Moderate Low

44 ANADROMOUS FISH OBSERVATION

35 SUBSTRATE TYPE: Bedrock _____ Boulder _____ Cobble 80%
Gravel X Sand X 20% Mud/silt _____

Species Aerial Ground

COMMENTS: Covered
Lightly oiled & coated rock wall face - saturated sediment beneath rock face (oil saturated), oiled wood on bank.
Large stumps on NE shore of lagoon reflect level that oil entered lagoon - Oil covered rock face surrounds lagoon.
Found a few scraps of siphon boom material (blue) in lagoon area.

ACE 10459798

ACE 1955664

RB-4

FRAME(S)

DESCRIPTION

46 OIL DISTRIBUTION DIAGRAM

SCURVEY CREEK
LOW TIDE

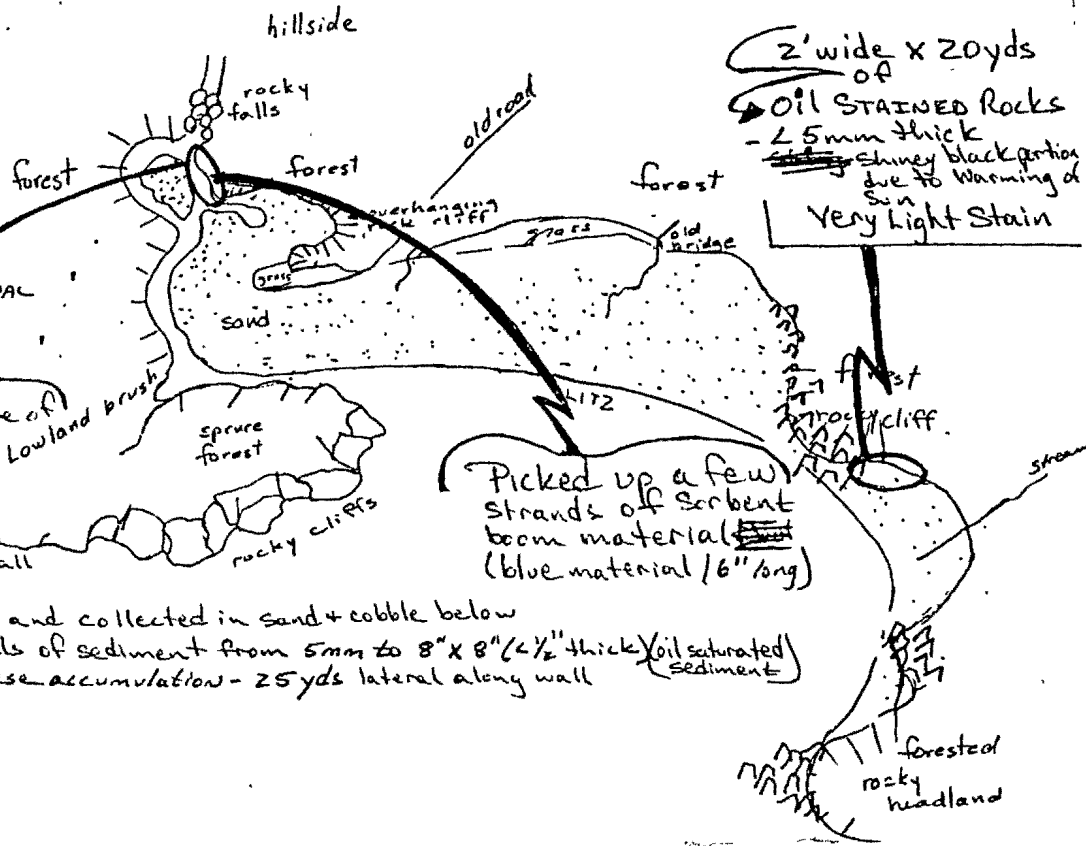
NOTE: - AT HIGH TIDE
ALL SANDY AREA
COVERED
- STIPPLED AREA
GRAVEL/COPPLE INTERTIDAL

Rock Wall on North Shore of
Lagoon Still bears A
"COVERING" of Oil

→ BAND 2'-3' Wide
Approx. 50 yds long
→ 5mm thick.
- Spruce Needles glued to wall
(by oil)

- oil has dripped off wall and collected in sand + cobble below
→ Saturated patties + balls of sediment from 5mm to 8" x 8" (1/2" thick) (oil saturated sediment)
→ 5'-6" wide band of these accumulation - 25 yds lateral along wall

CATALOGUED STREAM NO:



2' wide x 20 yds
of
Oil STAINED Rocks
- 2.5mm thick
- ~~shiny~~ Shiny black portion
due to Warming of
Sun
Very high Stain

Picked up a few
strands of sorbent
boom material
(blue material / 6" long)



No ANAOSCAT Recommended

ACE 10459799 -/S

ACE 1955665

Group A

Faxed Anch
4/17/90
Prescreening

ADF&G MULTI-ASSESSMENT DATA FORM

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

METHOD: Aerial Ground Boat Cordova

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

4 START TIME: 0922 16 HIGH TIDE HTS: 13.0 22 OBSERVERS: Susan McTone

6 STOP TIME: 1008 17 LOW TIDE TIMES: 091712 23 AGENCY: ADF&G

6 SEGMENT #: RB-4 18 LOW TIDE HTS: -1.0 24 PHOTOS TAKEN: Y N

7 STATION #: 19 TIDE HT AT SURVEY: dead low Roll #: Frame:

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

9 STAT AREA: 24232 20 USCG QUAD: 26 SAMPLES TAKEN? Y N Number

10 LAT: 59° 14' 90 11 LONG: 151° 26' 85 Oil _____

12 SOURCE: Map Lorán Sediment _____

13 LOCATION: AFS 242-32-10140 Biological _____

14 DESCRIPTION: Rocky Bay - Scurvy Creek (N.W.) Water _____

EXTENT OF OIL

	SHORELINE				STREAM			
	L	W	M ²	%	L	W	M ²	%
27 SURFACE COVERAGE								
28 SURFACE THICKNESS								
29 PENETRATION								
30 OVERALL OIL IMPACT:	N	VL	L	M	H			

31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain

32 OILED DEBRIS? Y N

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

34 WAVE EXPOSURE: High Moderate Low

35 SUBSTRATE TYPE: Bedrock Boulder Cobble 80%
Gravel X Sand X 20% Mud/silt

36 CATALOGED ANAD. FISH SREAM? Y N

37 CATALOG #: 242-32-10140

38 STREAM NAME: Scurvy Cr.

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: a long rock wall at edge of stream

43 ANADROMOUS FISH PRESENT? Y N

44 ANADROMOUS FISH OBSERVATION

Species	Aerial	Ground

COMMENTS: Lightly oiled & coated rock wall face - saturated sediment beneath rock face (oil saturated), oiled wood on bank -
Large stumps on NE shore of lagoon reflect level that oil entered lagoon - Oil covered rock face surrounds lagoon.
Found a few scraps of ~~sub~~ brown material (blue) in lagoon area

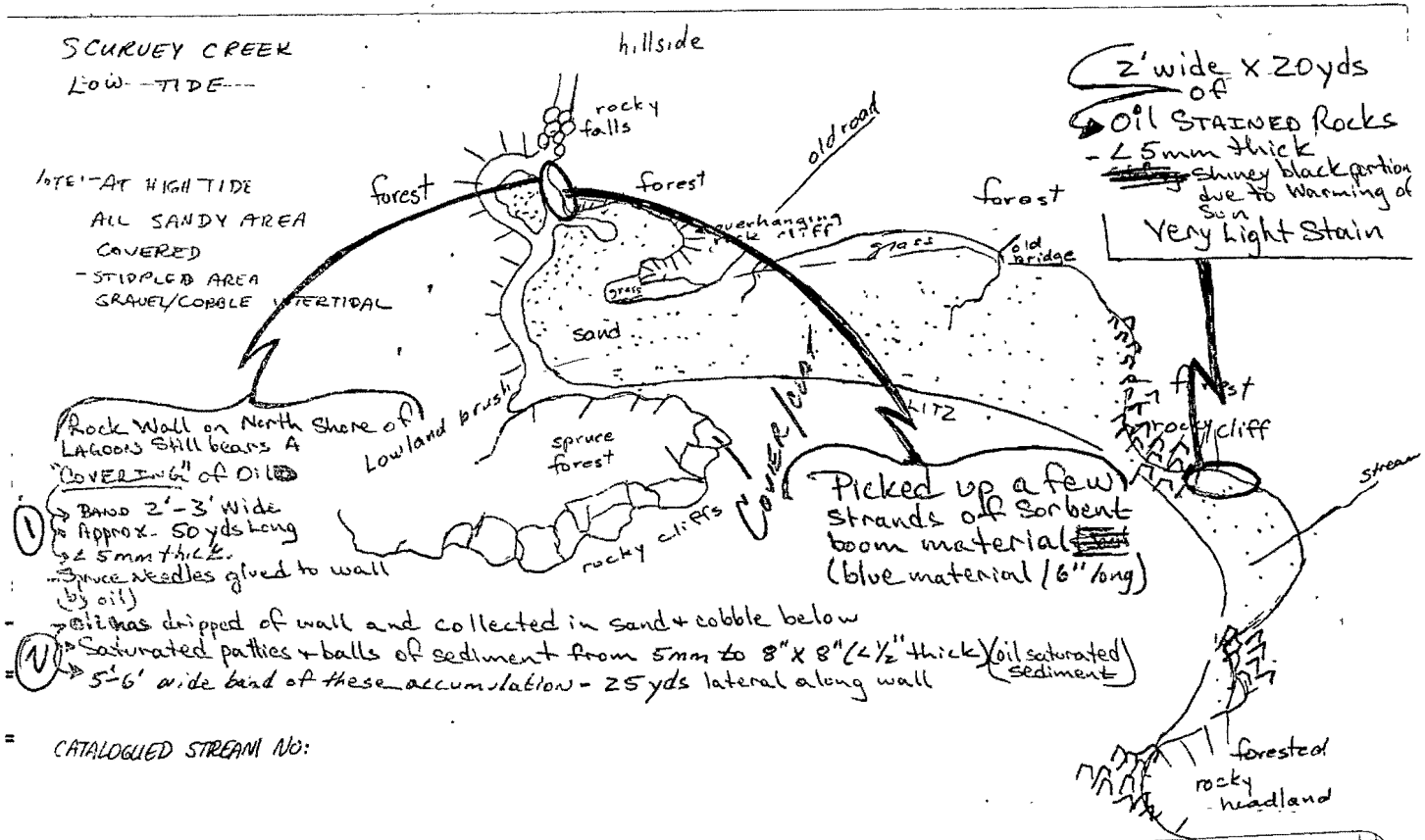
ACE 10459800

ACE 1941296

FRAME(S)

DESCRIPTION

46 OIL DISTRIBUTION DIAGRAM



SCURVEY CREEK
LOW-TIDE

hillside

2' wide x 20 yds
of
Oil STAINED Rocks
- 5mm thick
Shiny black portion
due to warming of
Sun
Very light stain

NOTE - AT HIGH TIDE
ALL SANDY AREA
COVERED
- STIPPLED AREA
GRAVEL/COBBLE

Rock Wall on North Shore of
Lagoons Still bears A
"COVERING" of Oil

① Band 2'-3' Wide
is approx. 50 yds long
± 5mm thick.
Spruce needles glued to wall
(by oil)

② Oil has dripped off wall and collected in sand + cobble below
Saturated patties + balls of sediment from 5mm to 8" x 8" (1/2" thick) (oil saturated sediment)
5'-6' wide band of these accumulation - 25 yds lateral along wall

CATALOGUED STREAM NO:

ACE 10459801
ACE 1941297



* No ANASCAT Recommended

ASAP

SEGMENT AS / RB-4 SUBDIVISION: A SITE: 01 DATE 08/08/90

SCG

NAME AEC Vandepels SIGNATURE AEC Vandepels

YES NO PRIORITY SITE FOR REASSESSMENT IN 1991
REASON:

This segment was clean. No more work or reassessment required.

ADEC

NAME Clara Crosby SIGNATURE Clara J. Crosby

YES NO PRIORITY SITE FOR REASSESSMENT IN 1991
REASON:

Although this is an anadromous stream, no treatment suggested at this time - Not a priority site for reassessment in '91 - Boom was not observed during ASAP survey.

LAND MANAGER

NAME Patrick Norman SIGNATURE Patrick Norman

YES NO PRIORITY SITE FOR REASSESSMENT IN 1991
REASON: no recoverable found

EXXON

NAME Jon Carnicki SIGNATURE Jon Carnicki

YES NO PRIORITY SITE FOR REASSESSMENT IN 1991
REASON:

This area looks great.

ACE 10459802 +15

ACE 1941298 +15

ASAP SHORELINE OILING SUMMARY

TEAM NO. 04 EXXON Jon Czarnecki SEGMENT AS: RB-4
 OG Rich Marty USGS/USCG AEC Vandepels SUBDIVISION A
 ADEC Clara Crosby LAND REP. Pat Abram (P.Gr) TOTAL NO. SITES 1
 DATE 08 Aug 190 TIME 12:15 to 12:30 TIDE LEVEL 4.5' to 5'

TOTAL EST LENGTH OF SHORELINE SURVEYED: 275 m

SURVEYED FROM: Foot Boat Helo WEATHER: Sun Clouds Fog Rain Snow

OIL CATEGORY LENGTH: W — m M — m N 96 m VL — m NO 179 m US — m

SURFACE OIL

SITE 1

SITE 2

SITE 3

CHARACTER	DISTRIBUTION				OILED ZONES			
	/C	/B	/P	/S	SU	UI	MI	LI
ASPHALT								
S.O.R.								
POOLED								
COVER	—		X	—	X	—		
COAT	—		X	—	X	—		
STAIN								
MOUSSE								
PATTIES/T.B.								
FILM								
NO OIL					X	—	X	X
EST. SITE LENGTH					275			

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

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

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	L		PITS								

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

COMMENTS *All comments are included on the sketch.*

ACE 10459803

ACE 1941299

SEGMENT ST/0.4
SUBDIVISION H.

DATE 4/10/90

CHECKLIST

- N Arrow
- Approx. Scale
- Seg/Sub Bndry
- Oil Dist.
- Width
- Length
- % Cover
- Substrate Character
- Est. HMLA/WL
- SSL
- Profile Location(s)
- Photo(s)
- PII Location(s)
- Photo Location(s)

LEGEND

- 1 Δ
PII: No Subsurface Oil
- 2 Δ
PII: Subsurface Oil

CT/C
Continuous Distribution

CT/B
Broken Distribution

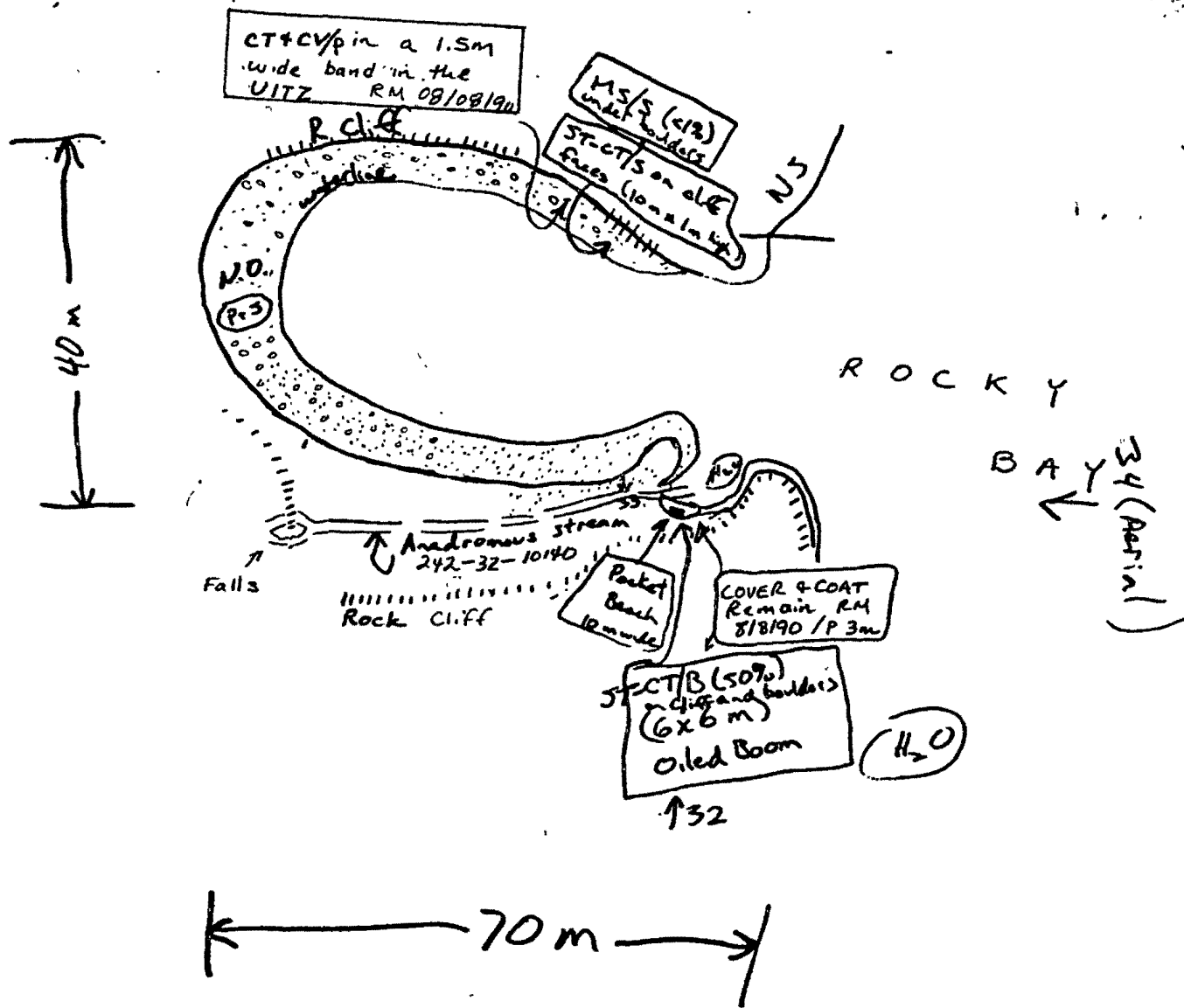
CT/P
Patchy Distribution

CT/S
Splashed Distribution

Oiled Vegetation

Photo location, direction, and number

SKETCH MAP



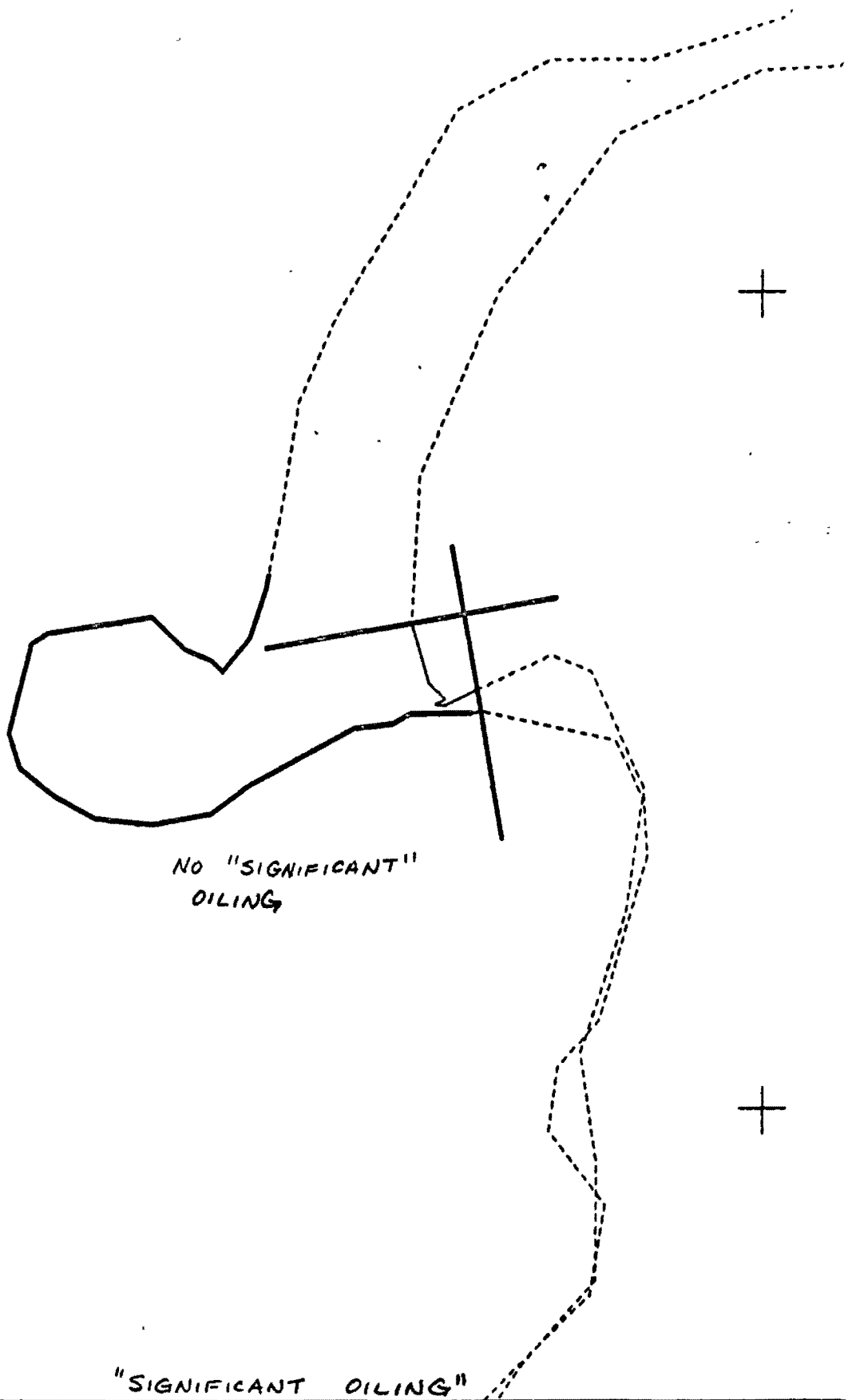
ACE 10459804

Oil Character Length (m): AP _____ PO _____ CV 96 CT 96 ST _____ MS _____ PT _____ TB _____ FL _____ NO 179

ASAP totals
RM 8/8/90

REVISION: 02/24/98

ACE 1941300

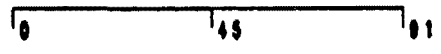


NO "SIGNIFICANT"
OILING

"SIGNIFICANT OILING"

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

RB-4 A
 ADEC Subsegment Length: 275m
 METERS

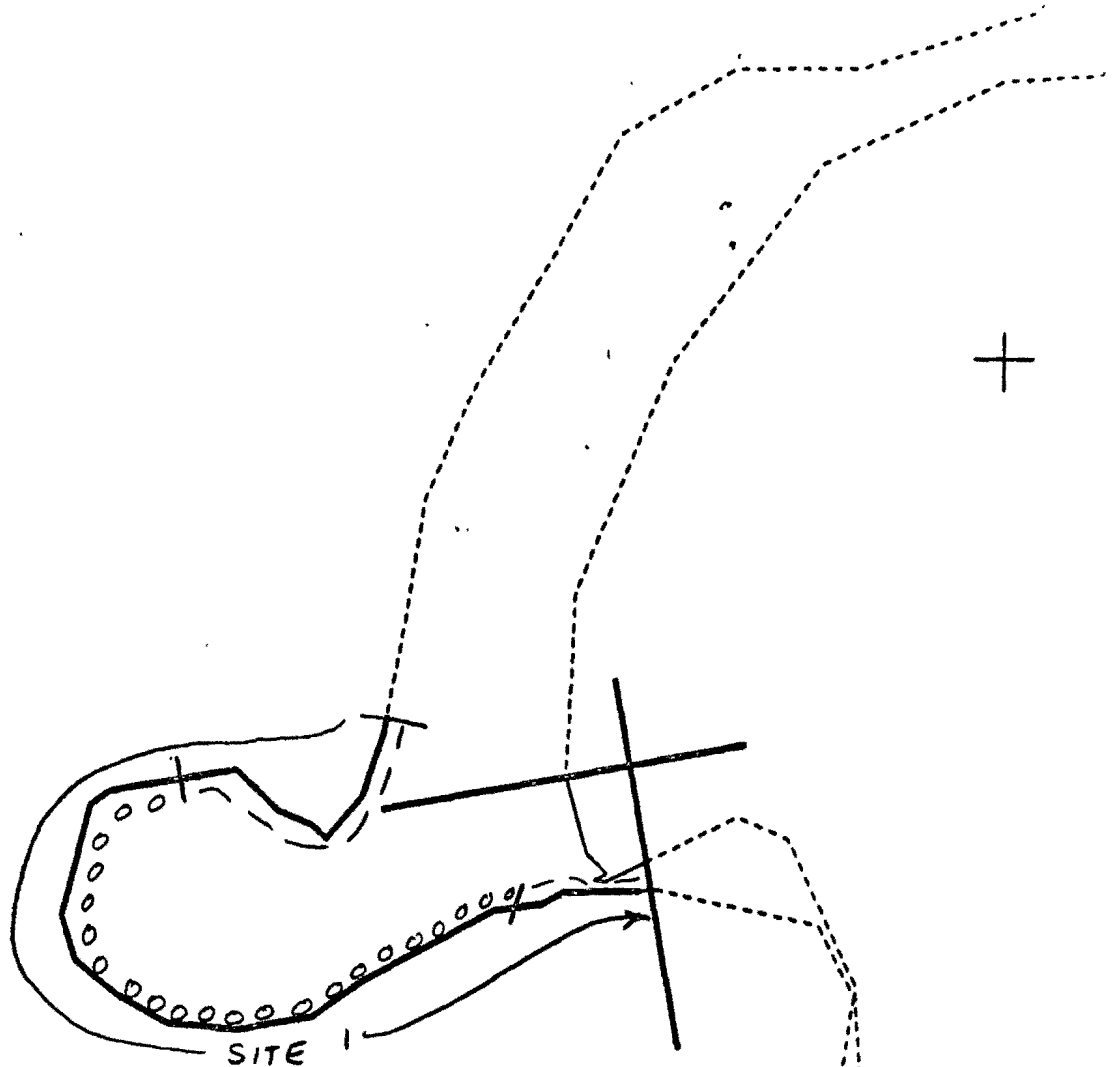


AK State Plane Zone 4 1:1782
 nrb-4a



Subdivision Field Map
 Map Key: KENRB-4A
 Name:
 Date: ACE 10459805
 Data Entered:

ACE 1941301



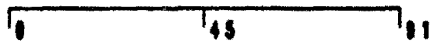
NO	3.75	169	179
LT	2"	90	95
		259	275
		1.06	

"OIL DISTRIBUTION"

ACE 10459806 -/5

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

RB-4 A
 ADEC Subsegment Length: 275m
 METERS



AK State Plane Zone 4 1:1782
 nrb-4a



Subdivision Field Map
 Map Key: KENRB-4A
 Name: Rich Marty
 Date: 08/08/90
 Data Entered:

ACE 1941302 -/5

SHORELINE OILING SUMMARY

REVISION NO. 032290

OG Randy Siegel USCG Bryan Hirtle SEGMENT ST/ RB-4 (1 subdivision)
 BIO Mike Sawcett LAND REP Pat Norman (PAGC) SUBDIVISION A
 EXXON John Dean ADEC Russell Kunibe TIME 09:30 to 11:00
 TEAM NO.: 7 TIDE LEVEL: +2.2 to +3.9 DATE 4/10/90
 EST. SUBDIVISION LENGTH: 6241 m Sun Clouds Fog Rain Snow
 UPLANDS DESCRIPTION: Grass Forest Rock
 SURVEYED FROM: Foot Boat Helo WORKING DIRECTION: NE to SE
 SURFACE SEDIMENTS: R 15 % B 10 % C 10 % P 15 % G 25 % S 25 % M 0 % V 0 %
 SLOPE: Lang 10 % Hang 90 % Vert 0 % WAVE EXPOSURE: Low Med High
 OIL CATEGORY LENGTH: W N/A m M N/A m N N/A m VL 16 m NO 134 m

NS=6091

SURFACE OIL

CHARACTER	DISTRIBUTION				OIL / FILM COLOR						IMPACTED ZONES			
	C	B	P	S	SB/BR	DBL/RW	CY/SL	DBL/TL	LABR	SU	UI	M	U	
ASPHALT PAVEMENT														
POOLED														
COVER														
COAT		X		✓	X						X			
STAIN		X		✓	X						X			
MOUSSE				X					X		X			
PATTIES														
TARBALLS														
FILM														
NO OIL										X		X	X	

PAVEMENT: H F S 0 sq. m by 0 cm

PATTIES / TARBALLS 1 BAGS

NEAR SHORE SHEEN? NO BR RW SL TL

OILED DEBRIS	AMOUNT		
	SM	MD	LG
Logs			
Vegetation			
Trash	X		
Debris			

DEBRIS COLLECTED
 YES NO

TYPE _____
#BAGS _____

Photographs:

Roll No. ST-17-6

Frames 32-34

SUBSURFACE OIL

No pits dug - no indication of significant oiling

PIT NO.	PIT DEPTH (cm)	SUBSURFACE OIL CHARACTER					OILED INTERVAL (CM-CM)	BELOW		OIL / FILM COLOR						PIT ZONE				A N A	SUBSURFACE SEDIMENTS
		OP	OR	OL	OF	NO		UO	UC	SB/BR	DBL/RW	CY/SL	DBL/TL	LABR	SU	UI	M	U			

COMMENTS

This segment is listed in the Exxon ~~tabulation~~ tabulation as 6241 meters. Most of the segment was not surveyed by ADEC ~ 1989 or as part of the current survey, due to inaccessibility. Only 150 meters were surveyed as part of the current program. Very light oiling was observed

ACE 10459807 +/S
ACE 1940527 +/S

SEGMENT / RB-4

SUBDIVISION A

DATE 4 / 10 90

CHECKLIST

- N Arrow
- Approx. Scale
- Seg/Sub Bndry
- Oil Dist.
- Width
- Length
- % Cover
- Substrate Character
- Est. HW/LWL
- SSL
- Profile Location(s)
- Profile(s)
- Pit Location(s)
- Photo Location(s)

LEGEND

1 Δ

Pit: No Subsurface Oil

2 ▲

Pit: Subsurface Oil

CT/C

Continuous Distribution

CT/B

Broken Distribution

CT/P

Patchy Distribution

CT/S

Splashed Distribution

Oiled Vegetation

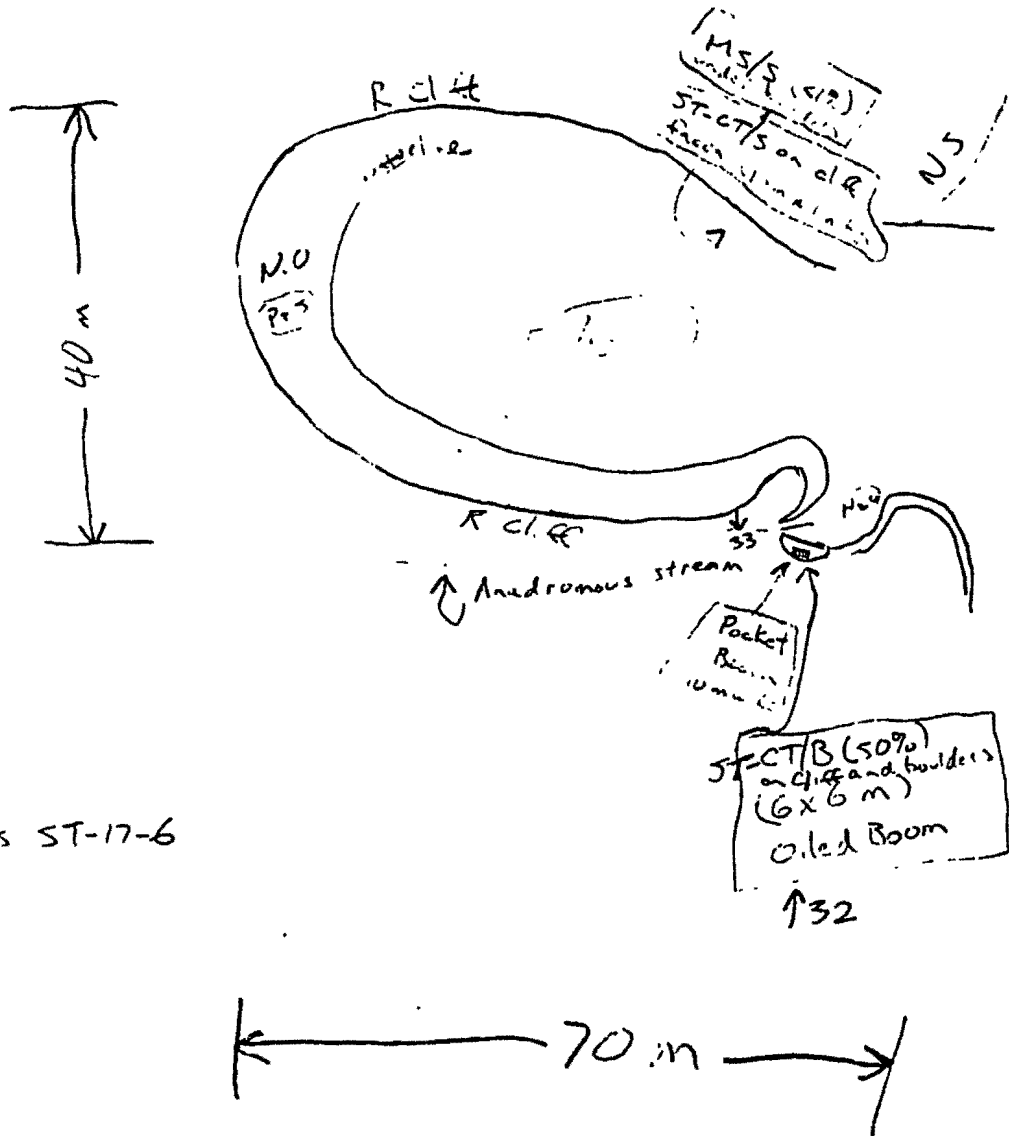


Photo location, direction, and number

ACE 1940528

ACE 10459808

SKETCH MAP



Photos ST-17-6

34. Point

1120

Oil Character jth (m): AP N/A PO N/A CV N/A CT 16 ST 16 MS 2 T N/A TB N/A FL N/A NO 134

SHORELINE ECOLOGICAL SUMMARY

REVISION: 03/22/

Segment ST1 RB4 Subdivision A Date (mo/day/yr) 4/10/90

Time (24 hr) 0930-1030 Biologist M. H. Fawcett

(A) Substrate type and % of segments:
 (1) Bedrock 15 (2) Boulder 10 (3) Cobble 10 (4) Pebble 15 (5) Sand 50 (6) Silt 0 (incl. gravel)

(B) Overall % cover of biota (% of segment): Dense Moderate Low ✓

(C) Density, substrate preference (by number from A, above), & vertical zonation of major taxa: (upper-U; mid-M; low tidal-L); juveniles / adults (X), new settlement (O)

Photographs: Roll No. ST-17-6

Frames 31-34

BARNACLES

Dense			Moderate			Sparse			Rare			
1U	1M	1L	1U	1M	1L	1U	1M	XL	1U	1M	1L	
2	X	2	X	2	2	2	2	2	2	2		
3	X	3	X	3	3	3	3	3	3	3		
4	4	4	4	4	4	4	4	4	4	4	NOT PRESENT	
5	5	5	5	5	5	5	5	5	5	5		
6	6	6	6	6	6	6	6	6	6	6		

MYTILUS

Dense			Moderate			Sparse			Rare			
1U	1M	1L	1U	1M	1L	1U	1M	XL	1U	1M	1L	
2	2	2	2	2	2	2	2	2	2	2		
3	3	3	3	3	3	3	3	3	3	3		
4	4	4	4	4	4	4	4	4	4	4	NOT PRESENT	
5	5	5	5	5	5	5	5	5	5	5		
6	6	6	6	6	6	6	6	6	6	6		

GASTROPODS

Dense			Moderate			Sparse			Rare			
1U	1M	1L	1U	1M	1L	1U	1M	XL	1U	1M	1L	
2	2	2	2	2	2	2	2	2	2	2		
3	3	3	3	3	3	3	3	3	3	3		
4	4	4	4	4	4	4	4	4	4	4	NOT PRESENT	
5	5	5	5	5	5	5	5	5	5	5		
6	6	6	6	6	6	6	6	6	6	6		

FUCUS

Dense			Moderate			Sparse			Rare			
1U	1M	1L	1U	1M	1L	1U	1M	XL	1U	1M	1L	
2	2	2	2	2	2	X	2	2	2	2		
3	3	3	3	3	3	X	3	3	3	3		
4	4	4	4	4	4	4	4	4	4	4	NOT PRESENT	
5	5	5	5	5	5	5	5	5	5	5		
6	6	6	6	6	6	6	6	6	6	6		

Wildlife Observations/ General Comments:

See attached sheet 1 water ouzel in creek Coyote tracks near creek
 2 belted kingfishers
 several wraypie

Ecological Considerations:

1A
 1B
 2AA
 211

ACE 10459809

ACE 1940529

RB4A

4/10/90

Rocky Bay

M. Fawcett

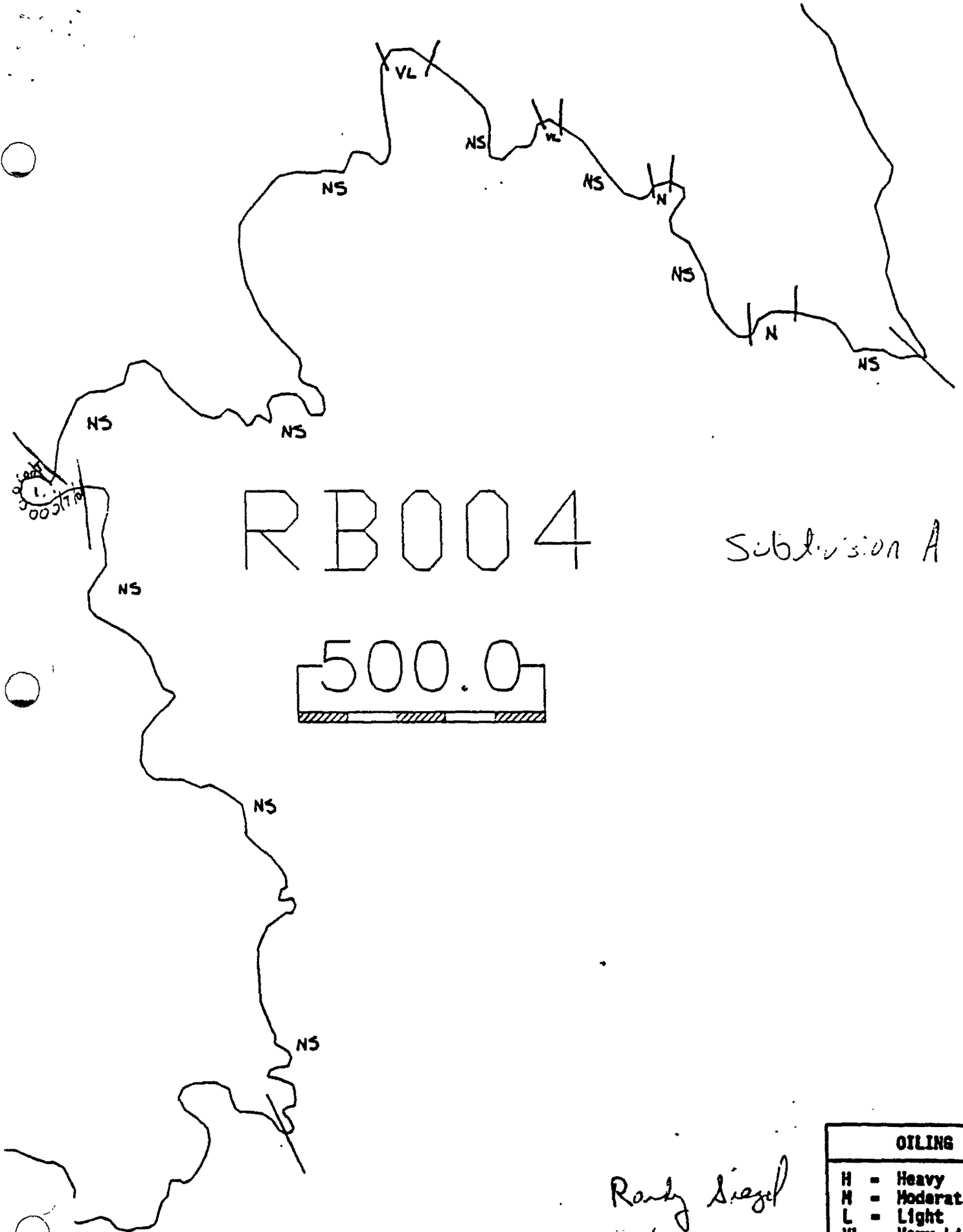
Wildlife Observations/General Comments

Most of this subsection consists of a biologically barren sand beach. The mouth of an arroyo-like fish stream (Scurvy Creek) lies on the southern end of the beach.

No fry or other fish were observed in the intertidal portion of the creek. Dense Fucus occurs on rocks along the banks and around the stream mouth. On the bedrock cliffs, Cladocorpus barnacles dominate the LTZ, and algae (Fucus, Ulva, Cladomorpha?, Halosaccion, Rhodomydium, Petrocelis, Laminaria) dominate the LTZ. Mussels are sparse overall, but there are dense patches in crevices, including recent (1-2mm) recruits. Recently recruited littorines and limpets also seen. In general, the intertidal community appears normal and healthy.

ACE 10459810

ACE 1940530



RB004

Subdivision A



Randy Siegel
4/10/90

ACE 10459811

ACE 1940531

OILING	
H	= Heavy
M	= Moderate
L	= Light
VL	= Very Light
N	= None
NS	= Not Surveyed
Distance In Meters	

FIELD SHORELINE COMMENT SHEET

SEGMENT ST / RB-4 SUBDIVISION: A DATE 4/10/90

JSCG
NAME R. Bryan Hottle SIGNATURE R. Bryan Hottle

NO TREATMENT RECOMMENDED TREATMENT SUGGESTED
COMMENTS

I agree with the Shoreline Oiling report

ADEC
NAME Russell Kenibe SIGNATURE Russell Kenibe

NO TREATMENT RECOMMENDED TREATMENT SUGGESTED
COMMENTS

There was an oil ~~cont~~ coat on the rock face on the east of the stream and some stain and coat on the cobbles below.

LAND MANAGER
NAME _____ SIGNATURE _____

NO TREATMENT RECOMMENDED TREATMENT SUGGESTED
COMMENTS

see next page

ACE 10459812

ACE 1940532

Land manager (Pat Namer) left
without signing the Comments form. ~~He~~ gave
verbal for "No Treatment Recommended". Pat
will be in Anchorage tomorrow (4/11/90) and I
will have him sign off then.

Ruby Sigel

4/10/90

ACE 10459813-14/S/PLH

ACE 1940533-14/S/FF