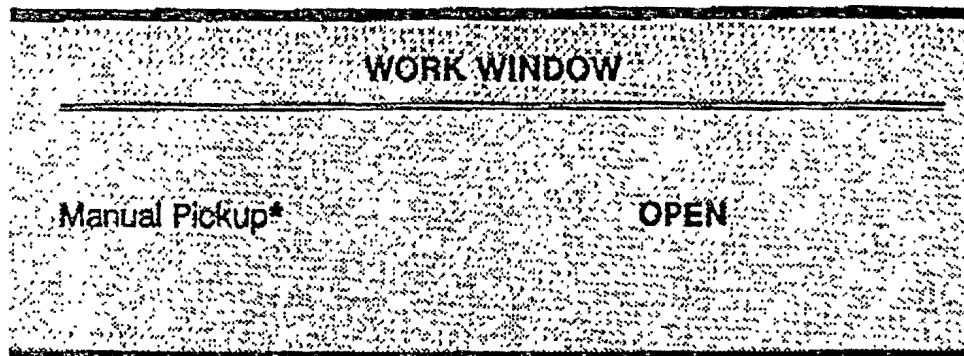


RECEIVED
15 JUN 1990

ORIGINAL

ADDENDUM: SUBDIVISION CONSTRAINTS

SEGMENT K0619-SB-006 SUBDIVISION A (1 of 1)



*USFWS Representative must be on location during treatment.

ARCHAEOLOGICAL STANDARD CONSTRAINT

If cultural resources are uncovered, PHONE 564-3274.

APPLICABLE ECOLOGICAL TIME CONSTRAINTS

1A,1B Salmon Stream

ADF&G catalogued anadromous stream (254-10-10050) is more than 100m from work site. No constraint to manual pickup.

OTHER ECOLOGICAL CONSIDERATIONS

No disturbance to stream bed or banks. Avoid any unnecessary disturbance or damage to unrolled biota and substrate.

Post-It™ brand fax transmittal memo 7671		# of pages ▶ 4
To: FOSC/OP/CWOODREH		From: John Phillips
Co.		Co. Exxon
Dept.		Phone # 504-361
Fax # 263-17310		Fax # 504-3771

FOSC

Date

6/9/90

Prepared by

W. K. L. L.

Date

6/15/90

ACE 1852444+15

WORK PLAN ADDENDUM

Segment K06-19-SB-006Subdivision ADated 5/16/90

MODIFICATION

1. REASON FOR MODIFICATION

- Admirals requirement.
- Landowner recommendation.

2. ADJUSTMENT TO WORK PLAN

- Manually remove mousse.
- Neither Inipol nor Customblen may be used on this site.
- A USFWS representative must be onsite for treatment.

SHPO APPROVAL NEEDED YES
NO X

SHPO SIGNATURE _____

TAG APPROVAL DATE 5/18/90
ADEC Art Weiner
EXXON Andy Galt
NOAA Gary Peterson
USCG G.A. Heister

FOSC W L DATE 5-18-90

ACE 1852445

- SB-6 site
1. Work plan Bio-remediation and spot wash.
2. Approved to treat area outlined below.
Mike Luke 6/13/90

CK-4

STREAM #
254-10-10050

SB-6

Access Route

Work Area

SB-100

CK-5

TREATMENT

ACE-1852446

EXXON

ECOLOGY MAP
SEGMENT K6-19 SB-6

Seabird Colony

SHORELINE EVALUATION

SEGMENT ST/ K0619-SB-006 SUBDIVISION A (1 OF 1) DATE 4/1/90

SEGMENT ENVIRONMENTAL SENSITIVITIES AND TIME CONSTRAINTS:

Salmon stream mouth - fry outmigration (1A) - 3/1 to 5/15; Salmon
stream mouth - spawning time sensitivity (1B) - 7/10 to 8/31;
Anadromous stream no. 254-10, ASC no. 10050.

SUBDIVISION ECOLOGICAL CONSTRAINTS: No specific subdivision con-
straints identified.

ARCHAEOLOGICAL CONSTRAINTS: If cultural resources are _____
uncovered during shoreline treatment, stop work in the _____
vicinity, mark the location of the find and contact a cultural re-
member of Exxon's Cultural Resource Program immediately t.
(564-3657; 564-3658 or 564-3276).

SHPO SIGNATURE: Mark E. Hume DATE: April 12, 1990

OILING CATEGORIZATION:

Wide 0 m: Medium 0 m: Narrow 0 m: V. Light 134 m: No Oil 804 m
Subsurface Oil Observed: Yes _____ No X Maximum Depth _____

RECOMMENDATIONS:

X No Treatment Recommended _____ Snare/Absorbent Booms
X Treatment Recommended _____ Oil Snares (pom poms)
_____ Manual Pickup _____ Absorbents (pads, rolls, etc)
_____ Bioremediation _____ Spot Washing: _____ Wands
_____ Tarmat: _____ Breakup _____ Beach Cleaner
_____ Removal X Other (see comments)

COMMENTS: No treatment recommended due to the very light oil class-
ification. USCG representative concurs. Remaining very light
sporadic stain/coat is weathering.

See Constraint Addendum dated 6/15/90

TAG COMMENTS: SPOT WASH AND BIOREMEDIATION MAY BE NECESSARY
OR MANUAL REMOVAL & HOUSE PATTIES

TAG APPROVAL DATE: 4/10/90

ADEC JOHN BAYER John Bayer

EXXON ANDY KAT Andy Kat

NOAA Bert Wessette Bert Wessette

USCG G.A. REITER G.A. Reiter

FOSC: _____ DATE: 4-26-90

No bioremediation with NIPOL

ADF&G MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: BS SS DS TS AVS SCHA MMHS PTA2 REGION: PWS KP,CI K,APMETHOD: Aerial Ground Boat3 DATE: 4-25-9015 HIGH TIDE TIMES: 121 TEAM RECORDER: E. Weiss4 START TIME: 104016 HIGH TIDE HTS: 122 OBSERVERS: J. BARNHART B. THOMAS5 STOP TIME: 110117 LOW TIDE TIMES: 091723 AGENCY: ADF+G/EXXON

6 SEGMENT #:

18 LOW TIDE HTS: -5.024 PHOTOS TAKEN: Y N7 STATION #: SB006

19 TIDE HT AT SURVEY:

Roll #: 002-K Frame: 8-98 K-UNIT: K0619

Ebb Slack Flood Slack

25 VIDEO TAKEN: Y X TAPE#: 9 STAT AREA: 20 USCG QUAD: Start: End: 10 LAT: 11 LONG: 26 SAMPLES TAKEN? Y X Number

12 SOURCE: Map Loran

011 13 LOCATION: CHIEF COVE AREA, UYAK BAY, KODIAKSediment 14 DESCRIPTION: 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 N37 CATALOG #: 254-10-1005038 STREAM NAME: Chief Cove39 OIL IN STREAM BED? Y X40 OIL ON STREAM BANKS? Y X41 OIL ON BEACH ADJACENT TO MOUTH? Y X
(within 50 meters)42 OIL WITHIN 1 MILE OF STREAM? Y NWhere: Not surveyed30 OVERALL OIL IMPACT: N VL L M H

31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain

32 OILED DEBRIS? Y N33 SHORELINE TYPE: Headland Low-lying Rocks Beach Cove
Lagoon Marsh34 WAVE EXPOSURE: High Moderate Low35 SUBSTRATE TYPE: Bedrock Boulder Cobble 5
Gravel 75 Sand 20 Mud/silt 44 ANADROMOUS FISH OBSERVATION
Species Aerial Ground

COMMENTS: 1 Pom Pom FOUND ON BEACH ADJACENT TO STREAM.
NO OIL FOUND.

RECOMMENDS: NO ANADROMAT

E. Weiss Jeff Barnhart

45 PHOTOLOG

FRAME(S)	DESCRIPTION
8-9	AERIAL VIEW OF STREAM MOUTH AREA

46 OIL DISTRIBUTION DIAGRAM

= Sample taken
 = Photo frame # and
 shot direction.

ACE 1852443

ADF&G MULTI-ASSESSMENT FORM
1991 GENERAL ENTRY CHECKLIST

STREAM#: 2541010050
SEGMENT: SB006

PAGE 39

DATE PRINTED: 07/25/91

LOCATION: KODIAK ISLAND, SPIRIDON BAY, CHIEF COVE

SURVEY TYPE: 90 PRE SCREEN - SS

METHOD: GROUND

DATE: 04/25/90

TEAM RECORDER: WEISS

START TIME: 1040

OBSERVERS: BARNHART THOMAS

END TIME: 1101

TIDES: -0-

AGENCY: FG EXX

OG/HAB DISCREPANCIES: -

PHOTOS TAKEN: Y

STATION: 2541010050

ROLL#: 90EWW002K

FRAME: 08-09

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: N

OIL ON BEACH BY MOUTH: N

WAVE EXPOSURE: HIGH

SHORELINE TYPE: BEACH

SUBSTRATE TYPE: BEDROCK -0- BOULDER -0- COBBLE 5 VEGETAT -0-

GRAVEL 75 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 40

DATE PRINTED: 07/26/91

STREAM# : 2541010050
SEGMENT#: SB006

SURVEY TYPE : 90 PRE SCREEN - SS LOCATION: KODIAK ISLAND, SPIRIDON BAY,
DATE: 04/25/90 CHIEF COVE
TIMES: 1040 - 1101 TEAM RECORDER: WEISS

-- OILING EXTENT --

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

COMMENTS:

1 POMPOM FOUND ON BEACH ADJACENT TO STREAM. NO OIL FOUND. RECOMMEND NO
ANADSSAT.

ADF&G MULTI-ASSESSMENT DATA FORM

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

METHOD: Aerial Ground Boat

3 DATE: 4-25-90 15 HIGH TIDE TIMES: 1 21 TEAM RECORDER: E. Weiss

4 START TIME: 1040 16 HIGH TIDE HTS: 1 22 OBSERVERS: J. BARNHART B. THOMAS

5 STOP TIME: 1101 17 LOW TIDE TIMES: 0917, 23 AGENCY: ADF&G / Exxon

6 SEGMENT #: 18 LOW TIDE HTS: -5.0, 24 PHOTOS TAKEN: Y N
90EWW
Roll #: 002-K Frame: 8-9

7 STATION #: S8006 19 TIDE HT AT SURVEY: 25 VIDEO TAKEN: Y N TAPE#: 8-9

8 K-UNIT: K0619 Ebb Slack Flood Slack 26 Start: End:

9 STAT AREA: 20 USCG QUAD: 27 SAMPLES TAKEN? Y N Number

10 LAT: 11 LONG: 28 011

12 SOURCE: Map Loran 29 Sediment

13 LOCATION: CHIEF COVE AREA, UYAK BAY, KODIAK 30 Biological

14 DESCRIPTION: 31 Water

EXTENT OF OIL

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

30 OVERALL OIL IMPACT: (N) VL L M H

31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain

32 OILED DEBRIS? Y (N)

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

34 WAVE EXPOSURE: High Moderate Low

35 SUBSTRATE TYPE: Bedrock Boulder Cobble 5
Gravel 95 Sand 20 Mud/silt

36 CATALOGED ANAD. FISH SREAM? Y N

37 CATALOG #: 254-10-10050

38 STREAM NAME: Chief Cove

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: Not surveyed

43 ANADROMOUS FISH PRESENT? Y N

44 ANADROMOUS FISH OBSERVATION

Species	Aerial	Ground

COMMENTS: 1 POM POM FOUND ON BEACH ADJACENT TO STREAM.
NO OIL FOUND.

RECOMMENDS: NO ANABSSAT E. Weiss Jiff Barnhart ACE 1852442

SHORELINE EVALUATION

SEGMENT ST/ K0619-SB-006 SUBDIVISION A (1 OF 1) DATE 4/1/90

SEGMENT ENVIRONMENTAL SENSITIVITIES AND TIME CONSTRAINTS:

Salmon stream mouth - fry outmigration (1A) - 3/1 to 5/15; Salmon
stream mouth - spawning time sensitivity (1B) - 7/10 to 8/31;
Anadromous stream no. 254-10, ASC no. 10050.

SUBDIVISION ECOLOGICAL CONSTRAINTS: No specific subdivision con-
straints identified.

ARCHAEOLOGICAL CONSTRAINTS: If cultural resources are _____
uncovered during shoreline treatment, stop work in the _____
vicinity, mark the location of the find and contact a ltural re-
member of Exxon's Cultural Resource Program immediately t.
(564-3657; 564-3658 or 564-3276).

SHPO SIGNATURE: Mark E. Hume DATE: April 12, 1990

OILING CATEGORIZATION:

Wide 0 m: Medium 0 m: Narrow 0 m: V. Light 134 m: No Oil 804 m
Subsurface Oil Observed: Yes _____ No X Maximum Depth _____

RECOMMENDATIONS:

☐ No Treatment Recommended	_____ Snare/Absorbent Booms
☒ Treatment Recommended	_____ Oil Snares (pom poms)
_____ Manual Pickup	_____ Absorbents (pads, rolls, etc)
_____ Bioremediation	_____ Spot Washing: _____ Wands
_____ Tarmat: _____ Breakup	_____ Beach Cleaner
_____ Removal	☒ Other (see comments)

COMMENTS: No treatment recommended due to the very light oil class-
ification. USCG representative concurs. Remaining very light
sporadic stain/coat is weathering.

TAG COMMENTS: SPOT WASH AND BIOREMEDIATION MAY BE NECESSARY
OR MANUAL REMOVAL & MOUSE PATTIES

TAG APPROVAL DATE: 4/10/90

ADEC JOHN BAUER John Bauer

EXXON ANDY KIL Andy Kil

NOAA Burl Wescott Burl Wescott

USCG G.A. REITER G.A. Reiter

FOSC: [Signature] DATE: 4.26.90

No bioremediation with 10/1/90

FIELD SHORELINE COMMENT SHEET

SEGMENT ST / K-6-19-513-6 SUBDIVISION: S13-6A DATE 3-30-90USCGNAME D.D. Huen Jr., GM3, USCGR SIGNATURE [Signature]☒ NO TREATMENT RECOMMENDED☐ TREATMENT SUGGESTED

COMMENTS

Occasional splashes ~~of~~ mousse. The isolated mousse is mixed with gravel and around the base of cobbles.

ADECNAME Francine J. Beavis SIGNATURE [Signature]☐ NO TREATMENT RECOMMENDED☒ TREATMENT SUGGESTED

COMMENTS

Spontaneous mousse, mixed with sand/gravel exists in this area, as well as mousse stuck in crevices & cracks of bedrock.

A team of 2 people could remove this remaining oil in 1-2 days, with manual clean-up methods.

LAND MANAGERNAME JOHN P. HARDISTER SIGNATURE _____☒ NO TREATMENT RECOMMENDED☐ TREATMENT SUGGESTED

COMMENTS

scattered patches of mousse - underside cobbles
mousse mixed with sand/gravel in cracks and crevices.

OG Acton USCG Haven SEGMENT ST/ K6-19-SB-6A
 BIO Davis LAND REP USFWS Hardister SUBDIVISION SB-6A
 EXXON Avery ADEC Bennis TIME 12:30 10:20
 TEAM NO.: 20 TIDE LEVEL: +2 10 +7 DATE 3 / 30 / 90
 EST. SUBDIVISION LENGTH: 917 m ☐ Sun ☒ Clouds ☒ Fog ☒ Rain ☐ Snow
 UPLANDS DESCRIPTION: ☒ Grass ☐ Forest ☒ Rock
 SURVEYED FROM: ☒ Foot ☐ Boat ☐ Helo WORKING DIRECTION: S 10 N
 SURFACE SEDIMENTS: R 15 % B 15 % C 20 % P 10 % G 20 % S 20 % M 0 % V 0 %
 SLOPE: Long 100 % Hang 0 % Vert 0 % WAVE EXPOSURE: ☒ Low ☐ Med ☐ High
 OIL CATEGORY LENGTH: W 0 m M 0 m N 0 m VL 80 m NO 837 m

SURFACE OIL

CHARACTER	DISTRIBUTION				OIL / FILM COLOR							IMPACTED ZONES			
	K	B	P	S	BR	BL	GY	SL	TL	LR		SU	U	M	U
ASPHALT PAVEMENT															
POOLED															
COVER				✓		✓						✓		✓	
COAT				✓		✓						✓		✓	
STAIN				✓		✓						✓		✓	
MOUSSE			✓					✓	✓			✓		✓	
PATTIES															
TARBALLS															
FILM															
NO OIL												✓			✓

PAVEMENT: H F S N/A sq.m by N/A cmPATTIES / TARBALLS N/A BAGSNEAR SHORE SHEEN? ☒ NO BR RW SL TL

OILED DEBRIS	AMOUNT		
	SM	MD	LG
Logs			
Vegetation			
Trash			
Debris			

DEBRIS COLLECTED
☐ YES ☒ NOTYPE N/A#BAGS N/A

Photographs:

Roll No. 20-1 20-2Frames 30-31 2-6

SUBSURFACE OIL

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	BR	BL	GY	SL	TL	LR		SU	U	M	U		
1	15					✓	.										✓					S, G
2	15					✓	.										✓					S, G
3	15					✓	.										✓					S, G
							.															
							.															
							.															

COMMENTS Oil was observed in 2 areas of this section, at the extreme N+S ends of K6-19-SB-6. Splashes of stain, coat, and cover of very light oiling were observed in both areas, as well as sporadic mousse between some of the cobbles, and mousse was between surface cobbles and did not extend into underlying substrate. All oil observed was very light in degree of oiling (1-3 %). Pits could not be dug between boulders/cobbles in the oiled area.

DRAFT

OG Acton USCG Haven SEGMENT ST/ K6-19-SB-6A
 BIO Davis LAND REP USFWS Hardister SUBDIVISION S3-6A
 EXXON Avery ADEC Bennis TIME 12:30 to 2:00
 TEAM NO.: 20 TIDE LEVEL: +2 to +7 DATE 3/30/90
 EST. SUBDIVISION LENGTH: 80 m ☐ Sun ☒ Clouds ☒ Fog ☒ Rain ☐ Snow
 UPLANDS DESCRIPTION: ☒ Grass ☐ Forest ☒ Rock
 SURVEYED FROM: ☒ Foot ☐ Boat ☐ Helo WORKING DIRECTION: S to N
 SURFACE SEDIMENTS: R 30 % B 30 % C 30 % P 10 % G 0 % S 0 % M 0 % V 0 %
 SLOPE: -Lang 100 % Hang 0 % Vert 0 % WAVE EXPOSURE: ☒ Low ☐ Med ☐ High
 OIL CATEGORY LENGTH: W 0 m M 0 m N 0 m VL 80 m NO 0 m
BA

SURFACE OIL

CHARACTER	DISTRIBUTION				OIL / FILM COLOR					IMPACTED ZONES			
	C	B	P	S	SU BR	VI RW	M CY	TL DBR	U DBR	SU	VI	M	U
ASPHALT PAVEMENT													
POOLED													
COVER				✓		✓					✓	✓	
COAT				✓		✓					✓	✓	
STAIN				✓		✓					✓	✓	
MOUSSE			✓					✓	✓		✓	✓	
PATTIES													
TARBALLS													
FILM													
NO OIL										✓			✓

PAVEMENT: H F S _____ sq m by _____ m

PATTIES / TARBALLS _____ BAGS

NEAR SHORE SHEEN? ☒ BR RW SL TL

OILED DEBRIS	AMOUNT		
	SM	MD	LG
Logs			
Vegetation			
Trash			
Debris			

DEBRIS COLLECTED
☐ YES ☒ NO

TYPE _____

#BAGS _____

Photographs:

Roll No. 20-1 20-2

Frames 30-31 2-6

SUBSURFACE OIL

PIT NO.	PIT DEPTH (cm)	SUBSURFACE OIL CHARACTER					OILED INTERVAL (CM-CH)	BELOW		OIL / FILM COLOR						PIT ZONE				A N A	SUBSURFACE SEDIMENTS
		OP	OR	OL	OF	NO		UD	UC	SBC BR	DBL RW	GY SL	DRH TL	LBR	SU	U	M	U			
							.														
							.														
							.														
							.														
							.														
							.														

COMMENTS This subdivision is comprised of 2 sections, at the extreme N + S ends of K6-19-SB-6. Splashes of stain, coat, and cover of very light oiling were observed in both areas, as well as sporadic mousse between some of the cobbles and boulders. Mousse was between surface cobbles and did not extend into underlying substrate. All oil observed was very light in degree of oiling (1-3 %). Pits could not be dug between boulders/cobbles.

SHORELINE OILING SUMMARY

1564771 2.32
DRAFT
REVISION NO 00 33-22-90

OG Acton USCG Haven SEGMENT ST/ K6-19-32-02
 BIO Davis LAND REP USFWS Harvester SUBDIVISION SB-68
 EXXON Avery ADEC Bennis TIME 12:30 10:20
 TEAM NO.: 20 TIDE LEVEL 10 DATE 3/30/90
 EST SUBDIVISION LENGTH: 840 m ☐ Sun ☒ Clouds ☒ Fog ☒ Rain ☐ Snow
 UPLANDS DESCRIPTION: ☒ Grass ☐ Forest ☐ Rock
 SURVEYED FROM: ☒ Foot ☐ Boat ☐ Helo WORKING DIRECTION: S 10 N
 SURFACE SEDIMENTS: R 100 % B 0 % C 10 % P 15 % G 25 % S 50 % M 0 % V 0 %
 SLOPE: Lang 100 % Hang 0 % Vert 0 % WAVE EXPOSURE: ☒ Low ☐ Med ☐ High
 OIL CATEGORY LENGTH: W 0 m M 0 m N 0 m VL 0 m NO 840 m

SURFACE OIL

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

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

PATTIES / TARBALLS 0 BAGS

NEAR SHORE SHEEN? ☒ NO BR RW SL TL

OILED DEBRIS	AMOUNT		
	SM	MD	LG
Logs			
Vegetation			
Trash			
Debris			

DEBRIS COLLECTED
☐ YES. ☒ NO

TYPE 0

#BAGS 0

Photographs:

Roll No. 20-2

Frames 1

SUBSURFACE OIL

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		VO	UC	SB/BR	DBL/RW	OL/OY	SL/DBR	TL/LBR		SU	UI	M	U		

COMMENTS No oil was observed in this subdivision. Several pits were dug in the sand to approx 50cm in depth. Primarily low angle, low energy beach. Entire subdivision was surveyed on foot.

MEMORANDUM

DATE: April 4, 1990
FROM: Bryan Trimann *BAT*
SUBJECT: Subdivision boundaries for K0619-SB006-A

Originally, the SSAT field team subdivided the segment into subdivisions "A" and "B". It was determined by the reviewer (me) and the field OG that it would be appropriate to combine the subdivisions "A" and "B" into one, now called "A". The OG resubmitted the revised form to the office on April 2, 1990.

The original forms are located in the "working copy" file in Rex Coulter's office in Suite 508, Calais II. Copies of the original "A" and "B" OG forms are included with the TAG data package.

OG. Acton

SEGMENT ST/ K6-N-SB-6

SUBDIVISION SB-6A

DATE 3 / 30 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)
- ☐ PII Location(s)
- ☐ Photo Location(s)

LEGEND

1 Δ

PI - No Subsurface Oil

2 Δ

PI - Subsurface Oil

CT/C

Continuous Distribution

CT/B

Broken Distribution

CT/P

Patchy Distribution

CT/S

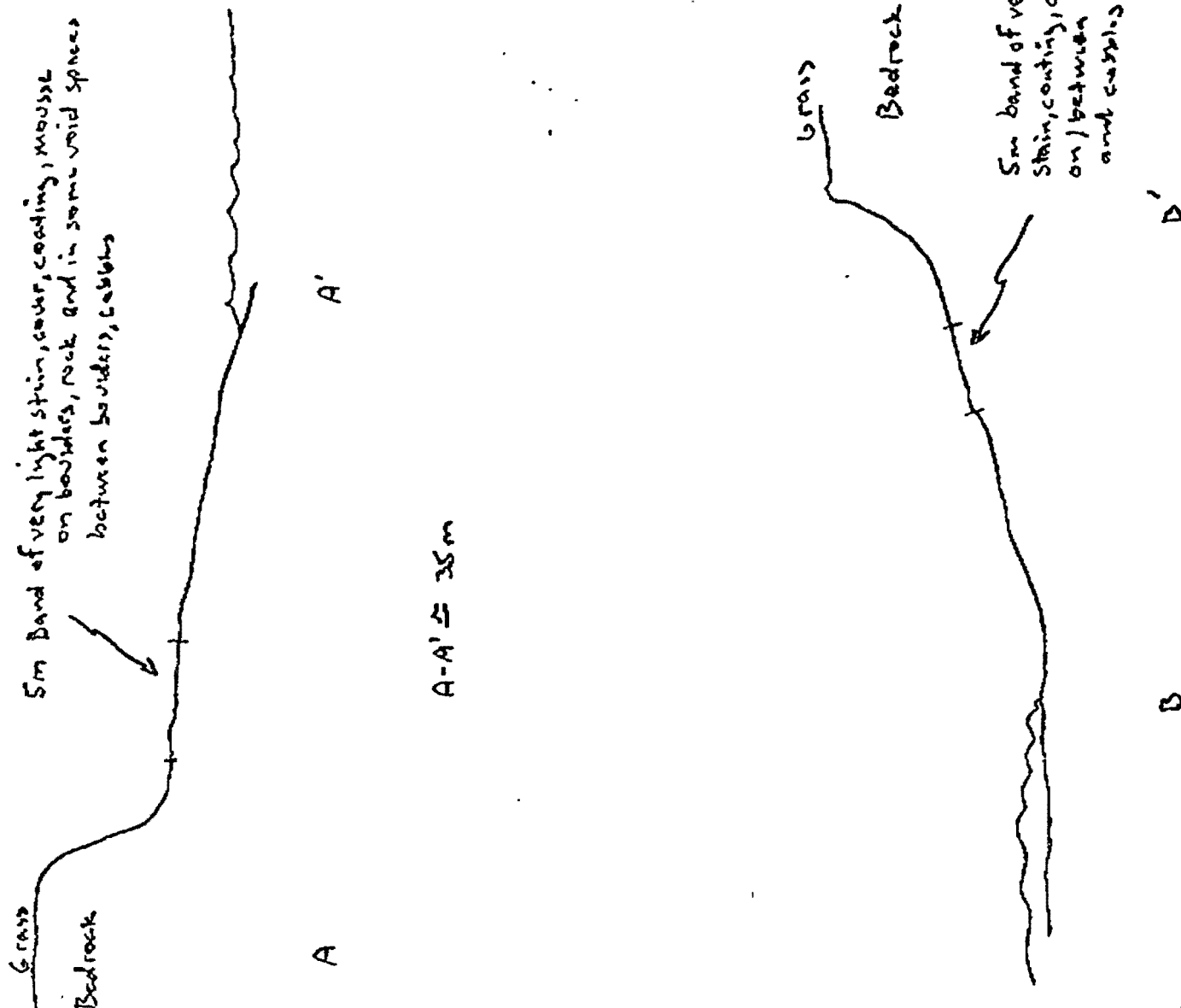
Spashed Distribution

Oil Vegetation

1 $\Rightarrow$

Photo location, direction,
and number

SKETCH MAP



Oil Character Length (m): AP PO CV CT ST MS 80 PT TB FL NO 837

REVISION 06/03/2000

ACE 1852454

08 Acton

SEGMENT ST/ K6-19-JD-6

SUBDIVISION SD-6A

DATE 3 / 30 90

CHECKLIST

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

LEGEND

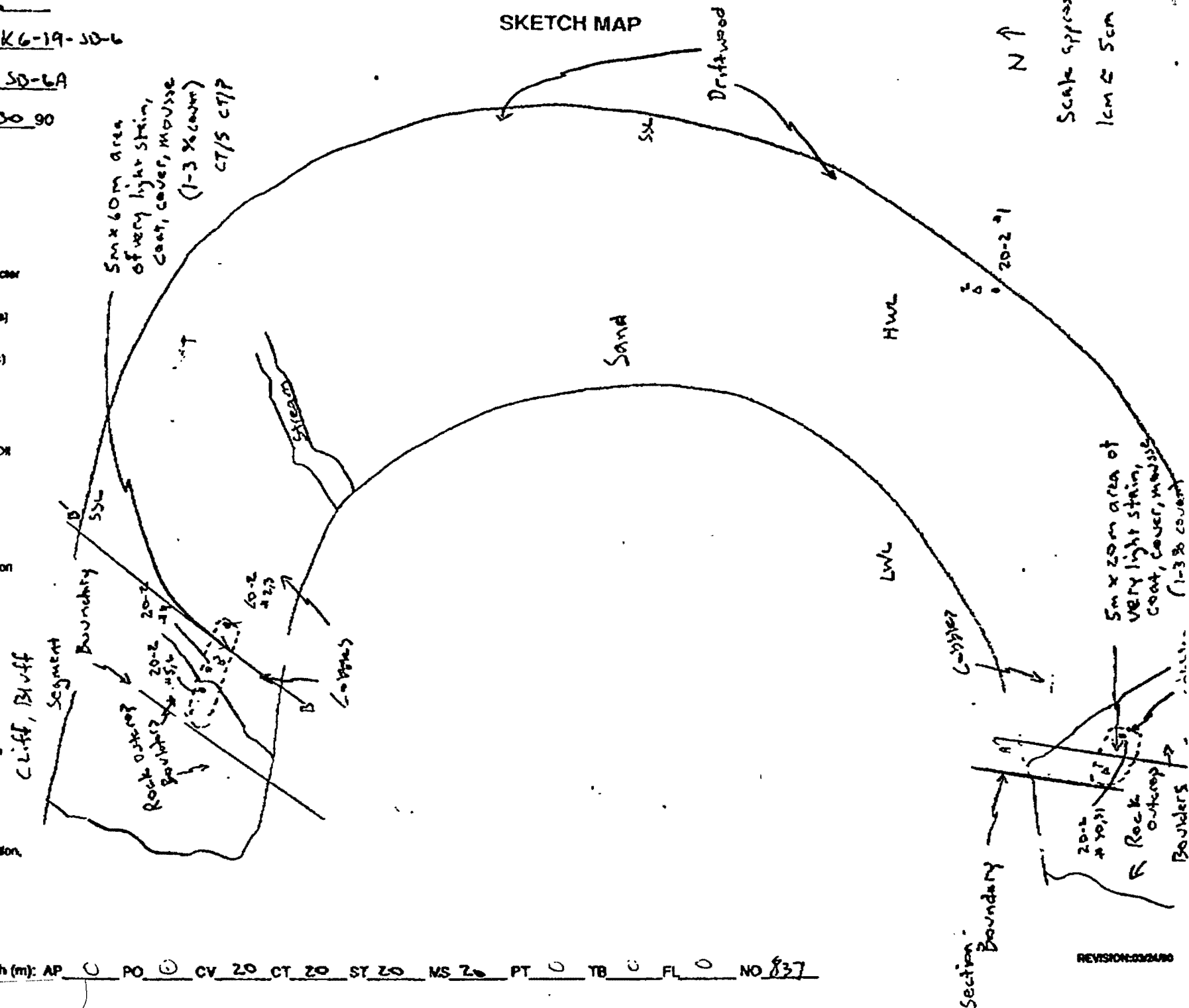
- 1 Δ
Pit - No Subsurface Oil
- 2 Δ
Pit - Subsurface Oil
- CT/C

Continuous Distribution
- CT/B

Broken Distribution
- CT/P

Patchy Distribution
- CT/S

Splashed Distribution
- $\bullet \rightarrow$
Oiled Vegetation
- $\bullet \rightarrow$
Photo location, direction, and number



Oil Character Length (m): AP ☐ PO ☐ CV ☐ ZO ☐ CT ☐ ZO ☐ ST ☐ ZO ☐ MS ☐ ZO ☐ PT ☐ TB ☐ FL ☐ NO 837

ACE 1852455

REVISION: 03/24/90

OG. Acton

SEGMENT ST/ K6-19-58-6

SUBDIVISION SB-6A

DATE 3 / 30 90

CHECKLIST

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

LEGEND

1 Δ

Pit - No Subsurface Oil

2 Δ

Pit - Subsurface Oil

CT/C

Continuous Distribution

CT/B

Broken Distribution

CT/P

Patchy Distribution

CT/S

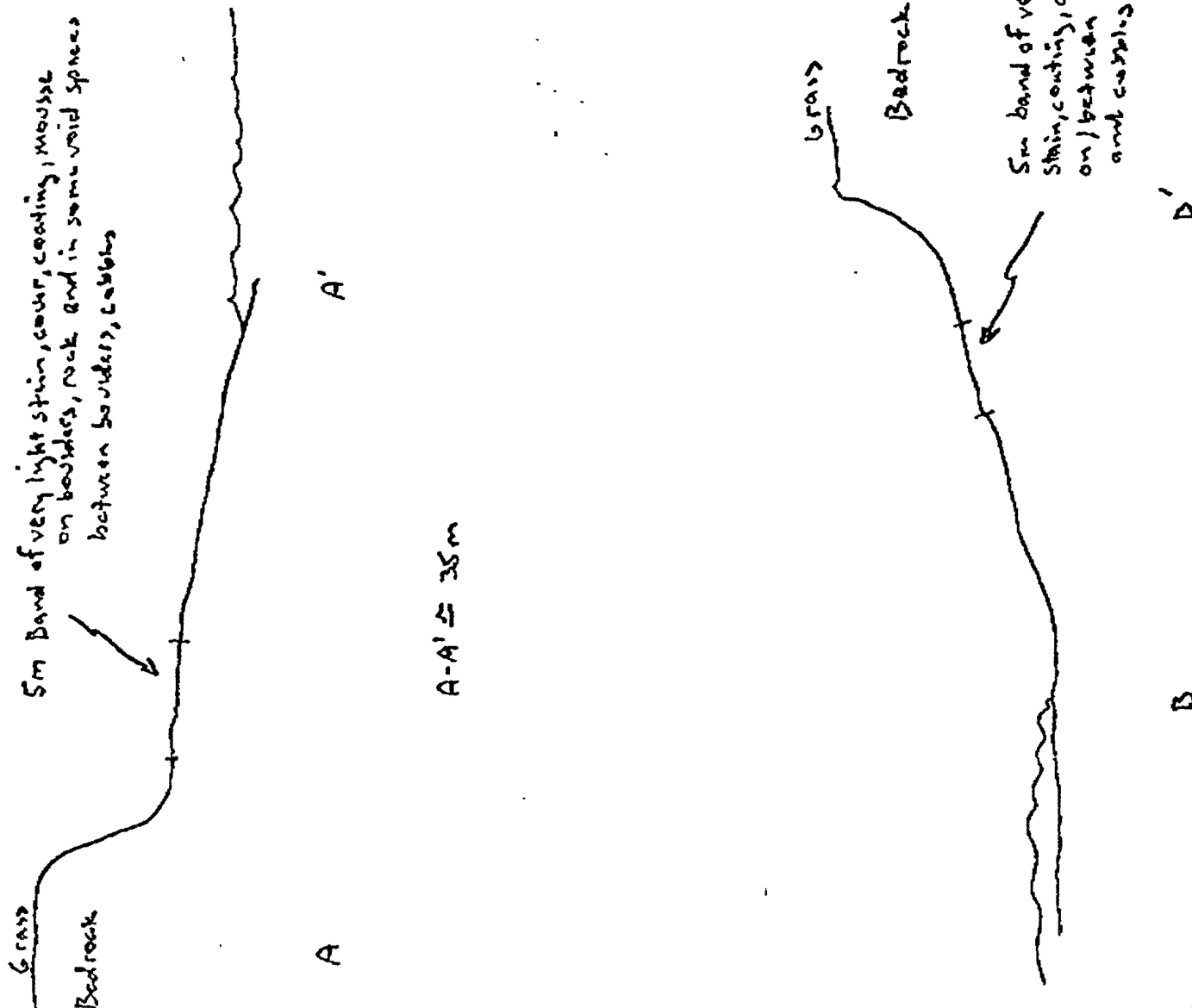
Spashed Distribution

Old Vegetation

1 $\Rightarrow$

Photo location, direction,
and number

SKETCH MAP



Oil Character Length (m): AP PO CV CT ST MS 80 PT TB FL NO 837

REVISION 13/24/90

ACE 1852456

SHORELINE ECOLOGICAL SUMMARY

REVISION: 02/22/90

Segment ST / K06-19 Subdivision SB-06A Date (mo / day / yr) 3-30-90Time (24 hr) 12:55 Biologist N. Davis

(A) Substrate type and % of segments:

(1) Bedrock 15 (2) Boulder 15 (3) Cobble 30 (4) Pebble 20 (5) Sand 20 (6) Silt(B) Overall % cover of biota (% of segment): Dense 20% Moderate 30% Low 50% (20%)

(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: ST ST
Roll No. 20-1, 20-2Frames 31, 1-6

BARNACLES

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

MYTILUS

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

GASTROPODS

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

FUCUS

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

Wildlife Observations/ General Comments: Bear scat and trails on bluffs. Deer tracks and scat on beach and on the bluffs. 2 Snowshoe hares seen on bluffs.

Kelpwrack contained laminaria, Fucus, Alaria, kelp flies and amphipods. The segment went from a rocky point to a sand beach to a rocky point. Population of the four key species were denser on the rock areas than on the

Ecological Considerations (1A/1B)

Set Netting is done in the area.

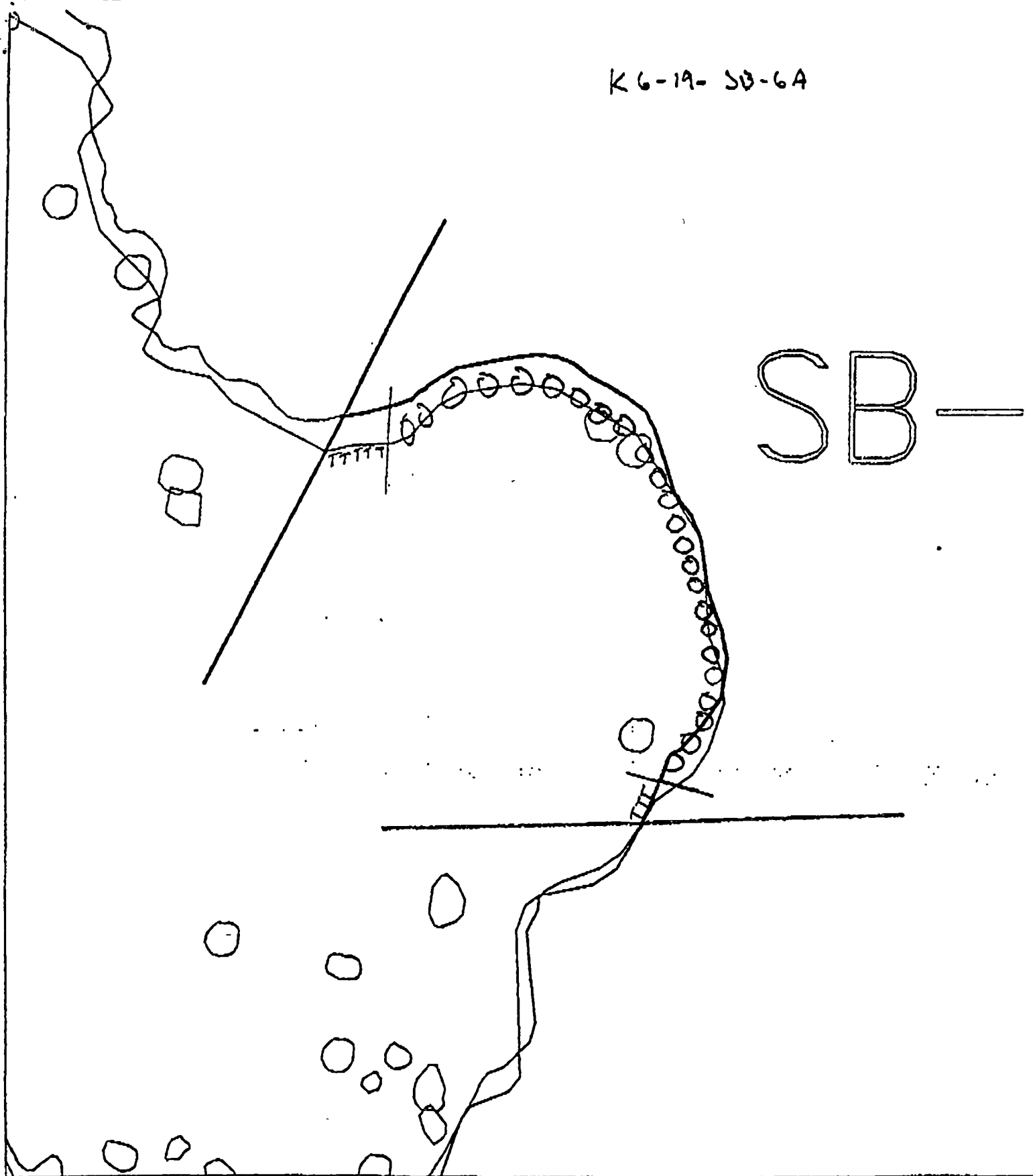
Anadromous stream. 254-10 ASC# 10050

Eagles nest in nearby area (CK-OH-CKO1)

cobble area. On the cobble sand interface area the populations were rare. The Stream is anadromous, and set netting is done in the area. 2 Eagles flying over head.

K6-19-SB-6A

SB-



XXXX Wide

//// Medium

---- Narrow

TTTT Very Light

0000 No Oil

SB-6

ADEC Segment Length: 917m

0 100 200 300
METERS

Map Key: GOA-168

Name: ActonDate: 3-30-90

Data Entered:

ACE 1852458

-15

SEGMENT INSPECTION RECORD

ADEC # K6-20

Shoreline Segment: SB-6 *Entire sub unit*

Shoreline Treatment Process(es) Completed for this Segment

Yards Signed Off

☐ Hot water wash☐ Mechanical☐ Warm water wash☒ Non-mechanical☐ Water deluge☐ Other

Exxon

Treatment as indicated above has been completed. Request demobilization from this segment.

Exxon Comments

Signature *Jack A Rickner*Date *7/27/89*Time *1652*

Printed Name Jack Rickner

Existing Shoreline Condition As
Visually Determined by USCG

Surface Oil

Percent	Degree of Oiling
☐	Heavy
☐	Medium
☐	Light
☒ < 1%	Very Light

100%

Subsurface Oil

☒ Yes ☐ No

Comment Below

☐ Reassessment
☐ Yes - Necessary
☒ No - Not necessary unless re-oiled

ADEC Rep

Comments

Existing Shoreline Condition As
Visually Determined by ADEC

Surface Oil

Percent	Degree of Oiling
☐	Heavy
☐	Medium
☐	Light
☐	Very Light

100%

Subsurface Oil

☐ Yes ☐ No

Comment Below

☐ Reassessment
☐ Yes - Necessary
☐ No - Not necessary unless re-oiled

Signature _____ Date _____ Time _____

Printed Name

FOSC Rep *Type A Shoreline Demobilization approved/disapproved.*

Comments

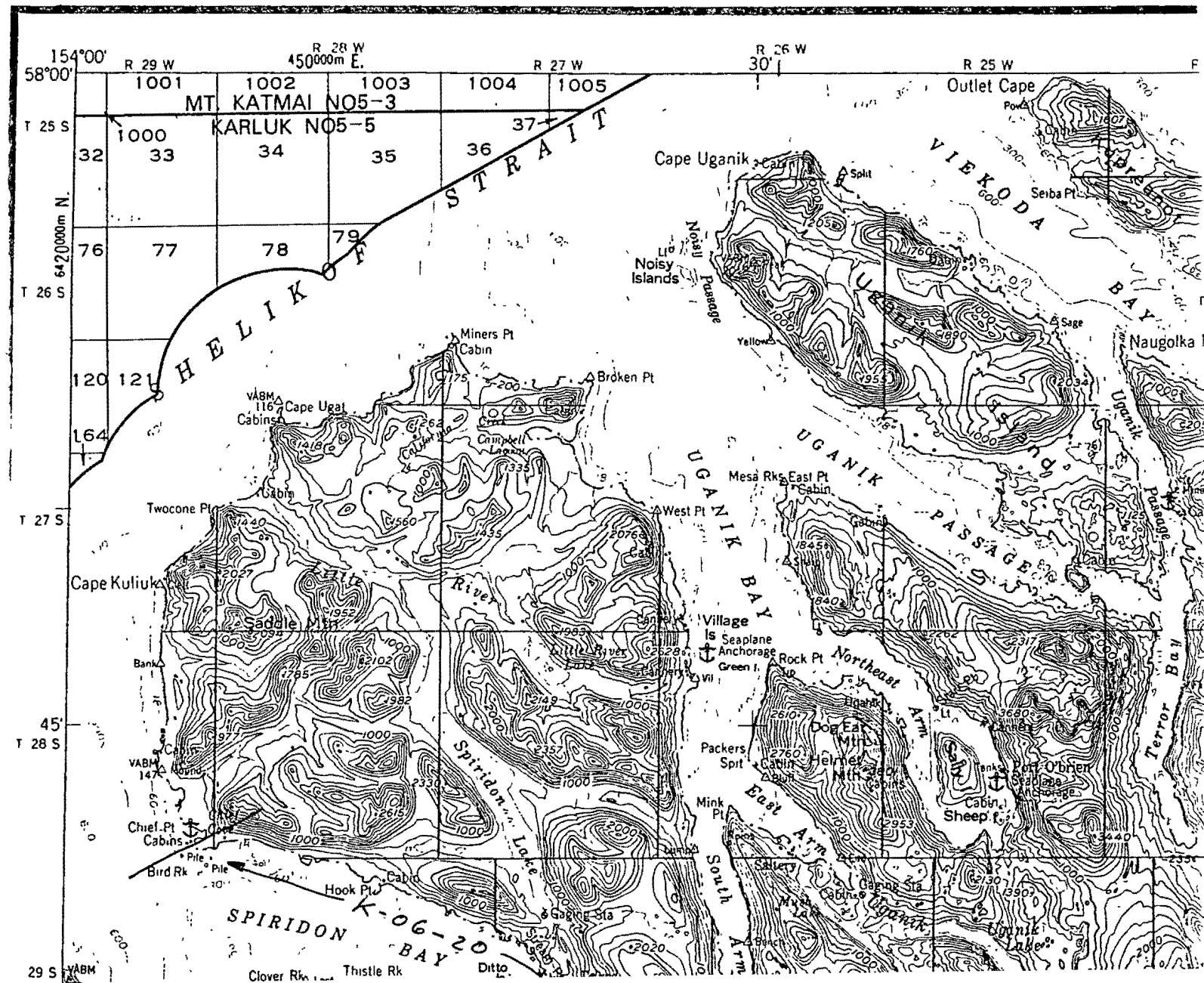
*See Segment SB-1 comments*Signature *P.J. Cormier* Date *5 AUG 89* Time *2150*Printed Name *P.J. Cormier LT USCG*

Copy: Exxon ADEC FOSC ISCC Return All Signed Originals to Exxon

ACE 1852459415

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

K-06-20



ACE 1852460

TYPE A SHORELINE CLEANUP WORK ORDER

ORIGINAL

Date: 21 June 89 Shoreline Segment: SB-1, 2, 3, 4, (5) #6

Location: (Attach map) North Shore of Spiridon Bay

ADEC No. K6-20 Shoreline Assessment Date: 5/20-22/89

Recommended Cleanup Activity(ies):

See attached sheets Type A cleanup only, manual removal. After completion of type A, this area may be reevaluated for additional cleanup.

Priority Considerations:

Ecological Constraints (from site survey):

Archaeological Constraints:

If any archaeological or historical sites or artifacts are discovered during the cleanup activity, they must remain undisturbed and the Exxon archaeologist C. Mobley contacted (as per procedures in the "Guideline for Shoreline Cleanup") and the State Historic Preservation Office notified as soon as possible.

Submitted by: Jack A. Rickman
Exxon

Date: 21 June 89

State Historic Preservation Officer Telephone Approval (Required)
See attachments

Date: 5-29-89

Approved: A. M. Fennell, LT, U.S.C.
Assistant OSC Western Alaska (if appropriate)
by direction

Date: 21 JUN 89

(A4)

Approved: AS Myer
Federal On-Scene Coordinator

Date: 6-21-89

4/30/89

ACE 1852461

(version 5/02/89)

SHORELINE CLEANUP PROGRAM

K6-20

DATE 5/27/89

SHORELINE SEGMENT SB-6

LOCATION: (see enclosed map) Cove North of Chief Point

ADEC NO. _____ SHORELINE ASSESSMENT DATE: 5/22/89

Recommended Cleanup Activity(ies):

- It may be necessary to use high pressure warm to hot water flooding on the lightly coated, 10m wide area on the north side of the segment.
- Manually remove the oiled seaweed drift along the high tide line.

Priorities Considerations:

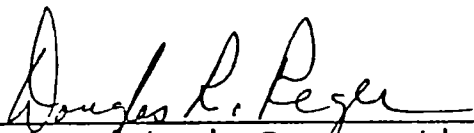
- Manually remove the oiled seaweed drift along the high tide line.

Ecological Constraints (from site survey):

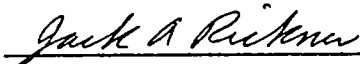
- Do not disturb banks or stream channel. Avoid healthy vegetation in lower intertidal zone.

Archeological Constraints (from site survey):

If heretofore undiscovered cultural materials are uncovered during cleanup, contact Exxon's Archeological Field Director and take actions prescribed in the Operational Guidelines for Shoreline Cleanup dated 4/21/89 as amended.


State Historic Preservation Officer *

Date: 5/29/89

EXXON: 

Date: 6/24/89

FOSC: _____

Date: _____

* Signature required to satisfy stipulations in Alaska DNR land use permits for tide and submerged lands.

ACE 1852462

SHORELINE OIL EVALUATIONDate: 22 May 1989 Time: 1110Observer: Bryan TrimmSurveyed From: Foot/Boat/Helio/PlaneWeather: Sun/Cloud/Rain/Snow/FogLOCATIONLOCATION NORTH OF CHIEF COVE & SPIRIDON BAY SEGMENT NUMBER S8-6LENGTH OF SHORELINE SEGMENT: 300 mACCESS: Foot/Vehicle/Boat/Barge/Helio/Float PlaneSHORELINE:Shoreline Type: SPI/BEA/COV/HLD/STRTSlope: LANG/HANG/VERWave Exposure: High/Med/LowSediment: B 5% / C 10% / P 20% / G 30% / S 30% / M % / R 5%Drift Debris on Beach: Yes/No Supra/Upper/Mid/Lower Type LOGS/SEAWEEDOILDegree of Oiling: ^{ADEC} Heavy/Moderate/Light/No Oil/UnobservedArea of Beach Impact: SU / SP / H / M / LContinuous: Y/N % of Segment 90 Width of Band: 10 mSporadic: Y/N % of Segment 10Est. Oil Thickness where > 1cm: cm Est. Oil Penetration: ? cmPooled Oil: % "Free" Oil: % Coated: H 10% / M 20% / L 70%Fresh % Mousse 100% Tar Formation: %Drift Debris Oiled ? Yes/No Supra/Upper/Mid/Lower Amount: H/M/L

Comments:

LIGHTLY OILED SPOTTED AT TOP OF HIGH INTERTIDAL ZONE & ALONG THE WHOLE LENGTH OF BEACH. THE INTERTIDAL ZONE BY THE STREAM OUTLET HAS A LITTLE SPLATTERING OF CHOCOLATE MOUSSE & BY THE GRASSES. A 75 METER BAND THAT IS 10 METERS WIDE (THUS HEAVY IN ADEC CLASSIFICATION) IS LIGHTLY COATED TO MODERATELY COATED. THIS IS FOUND AGAINST THE NORTHERN HEADLAND. ANOTHER SMALL PATCH OF LIGHTLY COATED MOUSSE IS FOUND ON THE SOUTHERN HEADLAND.

DOCUMENTATION:

Map/Aerial photo marking segment boundaries At Hachon

VTR: Y/N Tape Number(s) None

Photography: Y/N Roll Number(s) SMB-9

Sample Numbers Collected: None

LOCATION: Spiridon Bay SITE: Cove N. of Chief Point OBSERVER: SM Ban
LOCATION PREFIX: SB SEG. NO.: 6 LENGTH: 300 (M)
DATE: 5/22/89 TIME (HHMM): 1105 TIDE HT.: 0 - +1 (M)

OILED ZONE: Splash High Medium Low

SUBSTRATUM: Rocks Boulder Cobble Gravel Sand Mud

LIVE BIOTA

Fucus (algae): Patchy Y/N Contin. Y/N Dense Y/N Sparse Y/N None Y/N

Dense and healthy at northern end of seg. Healthy in lower ETZ. Some oiled Fucus high in ETZ.

Mytilus (Mussels): Patchy Y/N Contin. Y/N Dense Y/N Sparse Y/N None Y/N

Dense in boulder areas none oiled

Balanus (Barnacles): Patchy Y/N Contin. Y/N Dense Y/N Sparse Y/N None Y/N

Same comment as above

Littorina

Patchy Y/N Contin. Y/N Dense Y/N Sparse Y/N None Y/N

Healthy

Littorina: Patchy Y/N Contin. Y/N Dense Y/N Sparse Y/N None Y/N

Healthy

OTHER OBSERVATIONS: Large Anomalous stream in center of center of seg.

No oil in stream but several lines of mousse on soil near stream.
Grass is oiled on stream edge in high ETZ.

CLEANUP PRECAUTIONS: Avoid stream, avoid healthy

lower ETZ.

MAMMALS: Otters Harbor Seals Sea Lions Whales
Other None

BIRDS: None

GENERAL OBSERVATIONS: Moderate oiling

CULTURAL RESOURCE EVALUATION

Date 5-22-89 Location Spiridon Bay Site Cove north of Chief Point
Location Prefix SB Segment # 6 Length 300 m

Survey Method:

Air _____ (A - indicate on map) Boat _____ (A - indicate on map)

Ground ✓ (G - indicate on map)

Known cultural resources (AHRS #) NONE Data Source _____

Oil conditions/beach visibility Heavy

Width of beach zone surveyed 5 m Tree fringe surveyed 5-10 m

Cultural resources observed in beach zone (AHRS code) NONE

Cultural resources observed in tree fringe (AHRS code) NONE

General observations justifying survey method and segment's site probability:

Shore Profile Low Beach Ridge Between Areas of Rolling uplands

Fresh Water Sources Large salmon stream

Sea Exposure Exposed High Energy Beach

Access/Safety Easily Accessible by Air. Access more difficult by water

Probability of undiscovered sites in beach zone (circle one) (1) 2 3 4 5

Monitoring during cleanup needed yes/no Collection yes/no

Photos: Color Roll # _____ Frames _____

B/W Roll # _____ Frames _____

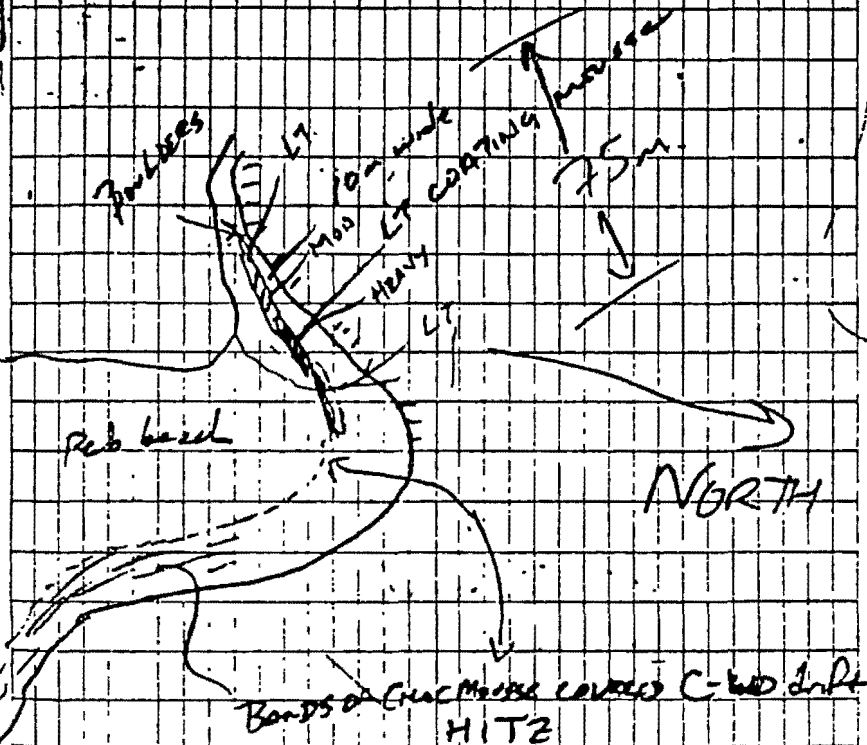
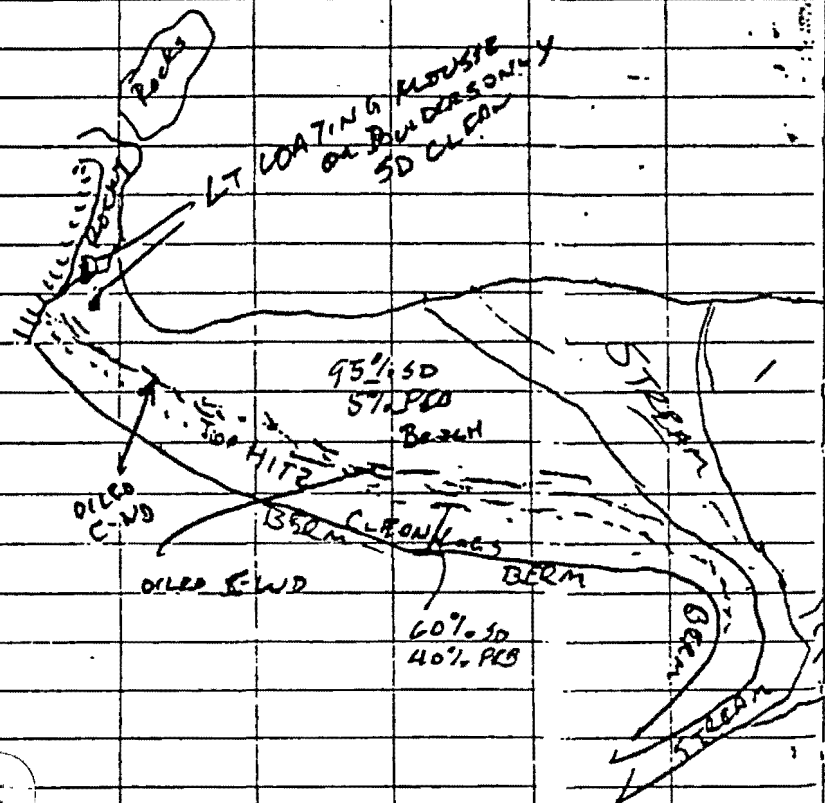
Observer(s) Mike YARBOROUGH

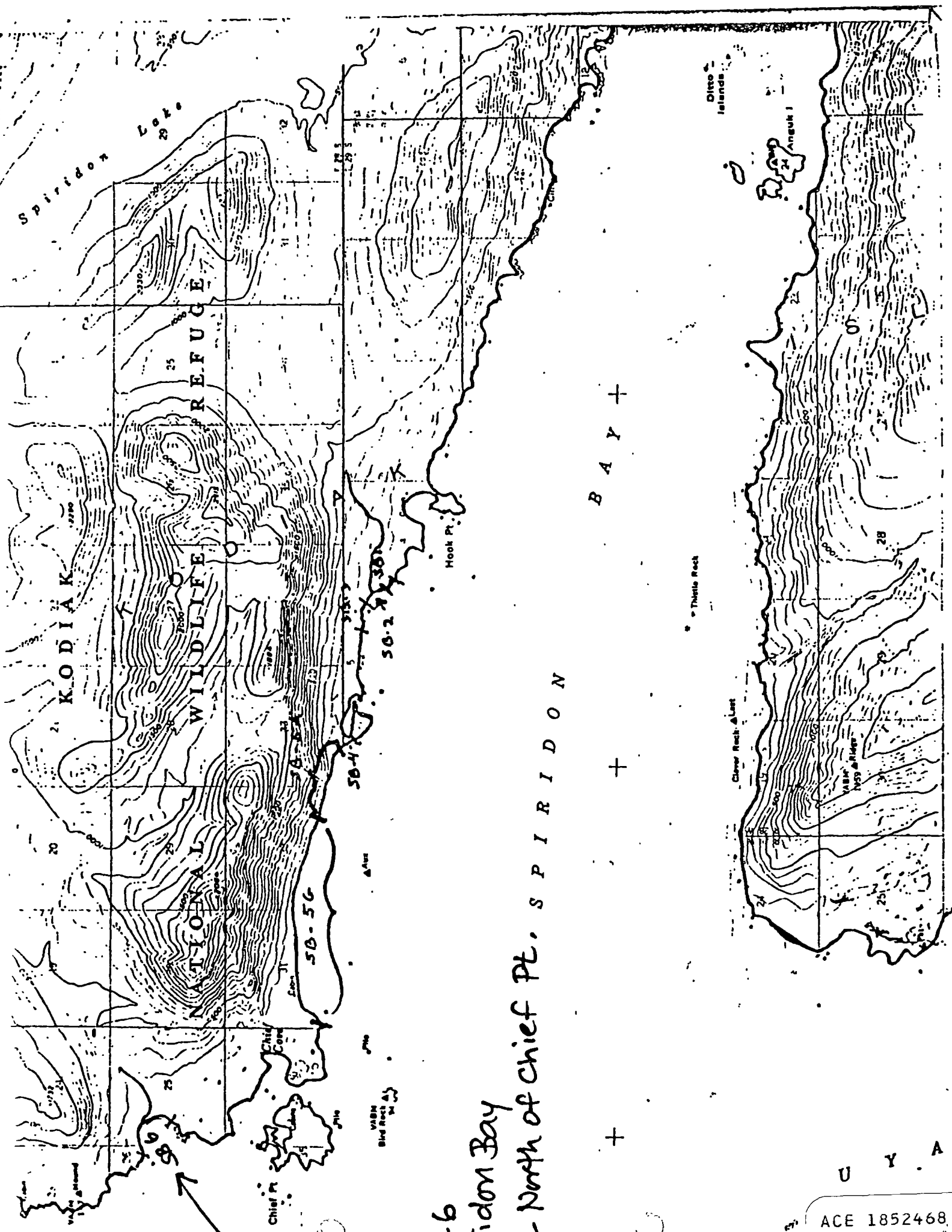
Time survey started 11:05 Time survey ended 12:01

Cultural resource considerations/restraints:

If heretofore undiscovered cultural remains are uncovered during cleanup, contact Exxon's director or Field Archeology immediately.

PLATE VIEW SB-6





3-6
 iridon Bay
 ve North of chief Pt. S P I R I D O N

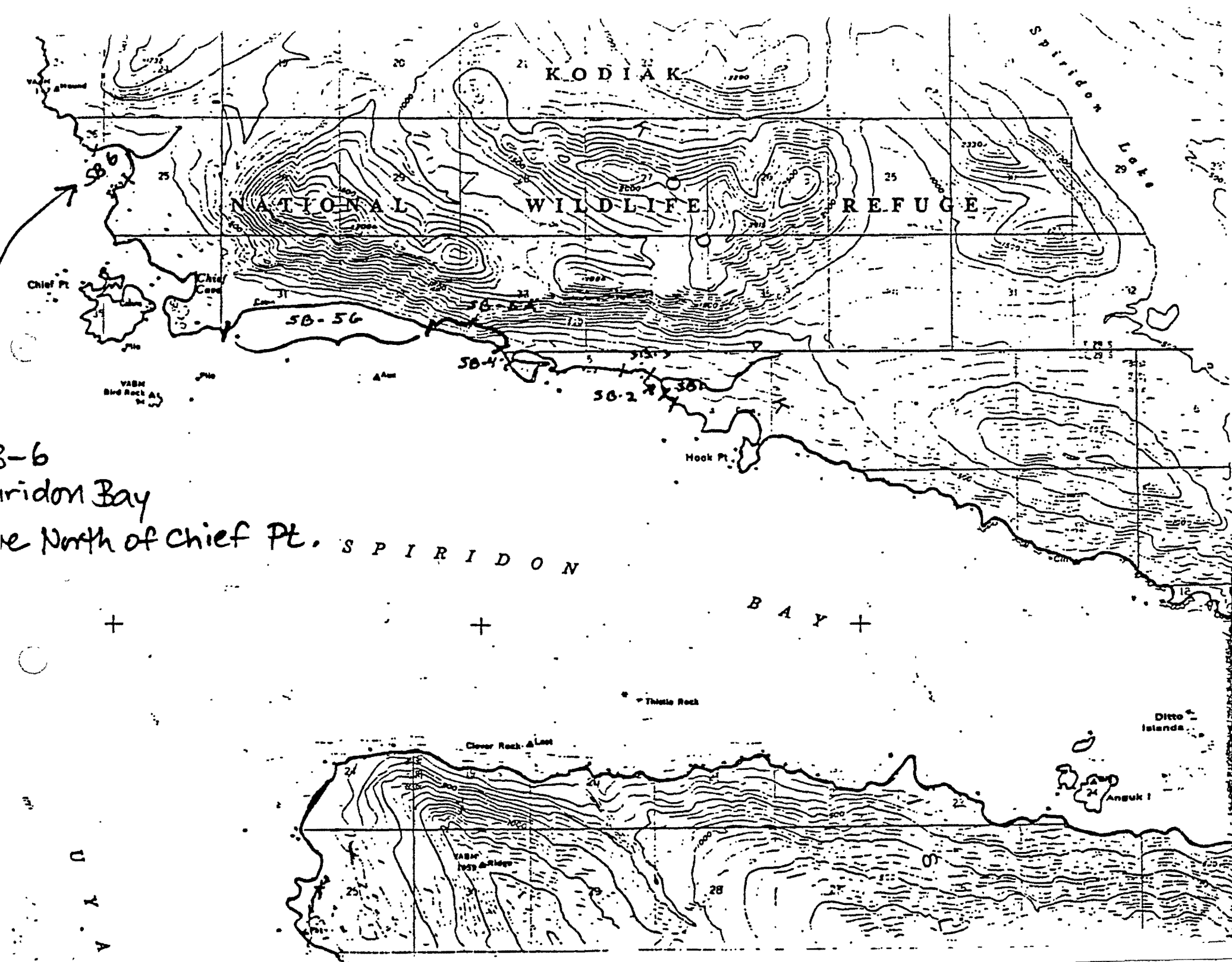
B A Y +

+

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ACE 1852468



7/14/89

Shoreline Segment Tracking Form

Zone **KODIAK** Unit-SubUnit-Segment ID **K-06-20** Date **5 AUG 89**

Shoreline / Segment Name

Hook PT (19 miles)Predominant Sediment
(circle one)

Boulder (>256 mm)	Cobble (64-256 mm)
Pebble (4-64 mm)	Gravel (2-4 mm)
Sand (0.062 mm)	Mud (<0.06 mm)
Rock	Vertical Cliff

Impact Classification
(circle one) **

Heavy	Moderate
Light	Very Light

Oiling On Debris
(circle one)

Heavy	Moderate
Light	None

Seg. Length (yds)

Oiled Width (yds)

% of Seg.

Area* Oiled

Penetration (In.)

Treatment / Notes

* Seg. Area = Seg. Length x Oiled Width

Beach Treatment /
Gross Contamination Removal

Start Date

Completed Date

Form Filled Out By
(circle one)

SCAT	ADEC	ADF&G	NPS
USFWS	USCG	NOAA	Other _____

** Heavy - >50% discontinuous coverage or
>6m continuous band.Moderate - 10 to 50% discontinuous coverage
or 3 to 6 m continuous band.Light - 1 to 10% discontinuous coverage
or 1 to 3m continuous band.Very Light - <1% discontinuous coverage
or <1m continuous band.

Observer:

PJ Carmi

This form must be completed for any beach segment that is being treated, other than SCAT segments, and must be submitted with a map attached which shows the segment boundaries.

ACE 1852469

Zone

KODIAK

Unit-SubUnit-Segment ID

K6-20 = HP901

Date

8/13/89

Shoreline / Segment Name

HOOK POINT

Predominant Sediment
(circle one)

Boulder (>256 mm)	<u>Cobble</u> (64-256 mm)
Pebble (4-64 mm)	Gravel (2-4 mm)
Sand (0.06-2 mm)	Mud (<0.06 mm)
<u>Rock</u>	Vertical Cliff

Impact.. Classification
(circle one) **

Heavy	Moderate
<u>Light</u>	Very Light

Oiling On Debris
(circle one)

Heavy	Moderate
Light	<u>None</u>

Seg. Length (yds)

28,160

Oiled Width (yds)

0

% of Seg.

Area* Oiled

0

Penetration (In.)

0

Seg. Area = Seg. Length x Oiled Width

Treatment / Notes

not oiled

Beach Treatment /
Gross Contamination Removal

Start Date
<u>N/A</u>
Completed Date
<u>N/A</u>

Form Filled Out By
(circle one)

SCAT	ADEC	ADF&G	NPS
USFWS	<u>USCG</u>	NOAA	Other

- ** Heavy - >50% discontinuous coverage or >6m continuous band.
- Moderate - 10 to 50% discontinuous coverage or 3 to 6 m continuous band.
- Light - 1 to 10% discontinuous coverage or 1 to 3m continuous band.
- Very Light - <1% discontinuous coverage or <1m continuous band.

Observer: _____

This form must be completed for any beach segment that is being treated, other than SCAT segments, and must be submitted with a map attached which shows the segment boundaries.