

ADF&G MULTI-ASSESSMENT FORM
1991 GENERAL ENTRY CHECKLIST

STREAM#: 2621010090
SEGMENT: CD020

PAGE 58

DATE PRINTED: 07/25/91

LOCATION: CAPE DOUGLAS

SURVEY TYPE: 90 ANADSSAT

METHOD: GROUND

DATE: 05/02/90

TEAM RECORDER: WEISS

START TIME: 1434

OBSERVERS: SCHOCK LARSON YOE
CRITCHLOW

END TIME: 1525

TIDES: -0-

AGENCY: FG NPS EXX WWC

OG/HAB DISCREPANCIES: -

PHOTOS TAKEN: N

STATION: 2621010090

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: Y

WAVE EXPOSURE: LOW

SHORELINE TYPE: LAGOON

SUBSTRATE TYPE: BEDROCK -0- BOULDER -0- COBBLE 60 VEGETAT -0-

GRAVEL 40 SAND -0- 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 60

DATE PRINTED: 07/26/91

STREAM# : 2621010090
SEGMENT#: CD020

SURVEY TYPE : 90 ANADSSAT
DATE: 05/02/90
TIMES: 1434 - 1525

LOCATION: CAPE DOUGLAS
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-	12	1	12	-0-	.1MM .0	0	ST
2	-0-	-0-	-0-	-0-	-0-	-0-	.1MM .0	0	ST

COMMENTS:

ST/S ON COBBLE BANK SOUTH SIDE OF STREAM, MID TIDE AREA BELOW STORM BERM WHERE STREAM COMES FROM LAGOON. ALSO 3' SECTION OF OILED ABSORBENT BOOM. ST/S ALSO 12M X 1M IN HEAD OF LAGOON. SOME ST/L IN STORM DRIFT LINE. RECOMMEND SOME TYPE A REMOVAL OF DEBRIS (OILED BOOM, FEW PT). NOTE: THIS STREAM JOINS IN A COMMON LAGOON WITH CLEAR CREEK (2621010080).



'90 AS (Anadssat)

ASC NUMBER:

SEGMENT NUMBER:

YR CATALOGED:

LOCATION:

STREAM NAME: *Unnamed*

KODIAK K-UNIT:

LOCAL STREAM #:

LATITUDE:

LONGITUDE:

USGS QUADRANGLE:

LEGAL:

SHORELINE TYPE: *Lagoon*

WAVE EXPOSURE: *Low*

ASC NUMBER: *262-10-10090*

SURVEY TYPE: *AS*

METHOD: *F*

DATE: *5/2/90*

START TIME: *1434*

STOP TIME: *1525*

TEAM RECORDER: *E Weiss*

OBSERVERS: *K. Schock, C. Larson, D. yoes, K. Kritchlow*

AGENCY (IES): *ADF+G/NPS/Enron/wwe*

PHOTOS TAKEN? *N*

Roll #:

Frames:

VIDEO TAKEN? *N* Tape Number:

Counter Start:

SAMPLES TAKEN? *N*

SAMPLE I.D. NUMBERS: 1.

2.

3.

4.

5.

6.

OILING DATA

	LENGTH	WIDTH	M2	%	THICK	FEN	OIL TYPE
SITE 1	<i>12</i>	<i>1</i>	<i>12</i>	<i>N/A</i>	<i>0.1mm</i>	<i>Ø</i>	<i>ST</i>
SITE 2	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>0.1 mm</i>	<i>Ø</i>	<i>ST</i>
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT: *VL*

OIL IN STREAM CHANNEL? *N*

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

SUBSTRATE

Bedrock	Granule
Boulder	Sand
Cobble <i>60</i>	Silt
Pebble <i>40</i>	Veget.

SPECIES

COUNT

COMMENTS: *ST/S on cobble bank south side of stream, mid tide area below storm berm where stream comes from lagoon. Also 3 foot section of oiled absorbent boom. ST/S also 12m x 1m in head of lagoon. Some ST/L in storm drift line. Recommend some type A removal of debris (oiled boom, few pt).*

N. This stream joins in a common lagoon with clear creek (262-10-10080)

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1991 GENERAL ENTRY CHECKLIST

STREAM#: 2621010090
SEGMENT: CD020

PAGE 59

DATE PRINTED: 07/25/91

LOCATION: CAPE DOUGLAS

SURVEY TYPE: 90 CLEANUP

METHOD: GROUND

DATE: 06/28/90

TEAM RECORDER: BARNHART

START TIME: 1440

OBSERVERS: TOMBLIN HAROLD DREHER
ELLSWORTH

END TIME: 1530

TIDES: -0-

AGENCY: FG EXX USCG DEC NPS

OG/HAB DISCREPANCIES: -

PHOTOS TAKEN: N

STATION: 2621010090

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: N

WAVE EXPOSURE: LOW

SHORELINE TYPE: LAGOON

SUBSTRATE TYPE: BEDROCK -0- BOULDER -0- COBBLE 60 VEGETAT -0-

GRAVEL 40 SAND -0- 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 62

DATE PRINTED: 07/26/91

COMMENTS:

ALSO PRESENT WAS DON MCBEE. OIL APPEARED IN THE FORM OF CV/CT/ST WHICH WAS NOT RECOVERABLE. THE MOUSSE LOCATED DURING THE SSAT SURVEY WAS NOT LOCATED DURING THE CLEANUP PHASE. THE ONE METER SECTION OF OILED ABSORBENT BOOM WAS NO LONGER PRESENT ON THE STREAM BANK. NOTE: THIS STREAM JOINS IN A COMMON LAGOON WITH CLEAR CREEK (2621010080).

'90 Cleanup

ASC NUMBER:

SEGMENT NUMBER:

YR CATALOGED:

LOCATION:

STREAM NAME: *Unnamed*

KODIAK K-UNIT:

LOCAL STREAM #:

LATITUDE:

LONGITUDE:

USGS QUADRANGLE:

LEGAL:

SHORELINE TYPE: *Lagoon*

WAVE EXPOSURE: *Low*

ASC NUMBER: *262-10-10090*

SURVEY TYPE: *CL*

METHOD: *F*

DATE: *6/28/90*

START TIME: *1440*

STOP TIME: *1530*

TEAM RECORDER: *JEFF BARNHART*

OBSERVERS: *Tommy Tomblin, Greg Harold/Kerwin Dreher, Terry Ellsworth, Don McBee*

AGENCY (IES): *ADFG, Exxon, USCG, ADEC, NPS*

PHOTOS TAKEN? *N*

Roll #:

Frames:

VIDEO TAKEN? *N* Tape Number:

Counter Start:

SAMPLES TAKEN? *N*

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

OILING DATA

	LENGTH	WIDTH	M2	%	THICK	FEN	OIL TYPE
SITE 1	<i>10</i>	<i>1</i>	<i>10</i>	<i>NA</i>	<i>0.1mm to 1cm</i>	<i>Ø</i>	<i>CT, ST, CV</i>
SITE 2	<i>10</i>	<i>.5</i>	<i>5</i>	<i>NA</i>	<i>0.1mm to 1mm</i>	<i>Ø</i>	<i>CT, ST</i>
SITE 3	<i>5</i>	<i>.5</i>	<i>2.5</i>	<i>NA</i>	<i>0.1mm to 1mm</i>	<i>Ø</i>	<i>CT, ST</i>
SITE 4	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>NA</i>	<i>0.1mm to 1cm</i>	<i>Ø</i>	<i>CV, CT, ST</i>
SITE 5							

OVERALL OIL IMPACT: *VL*

OIL IN STREAM CHANNEL? *N*

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

SUBSTRATE

Bedrock Granule
Boulder Sand
Cobble 60 Silt
Pebble 40 Veget.

SPECIES					
COUNT					

COMMENTS: *Oil appeared in the form of CV/CT/ST which was not recoverable. The mousse located during the SSAT survey was not located during the cleanup phase. The one meter section of oiled absorbent boom was no longer present on the stream bank.*

Note: This stream joins in a common Lagoon with Clear creek (262-10-10080)

'90 Cleanup

ASC NUMBER: LOCATION: STREAM NAME: *unnamed* KODIAK K-UNIT: USGS QUADRANGLE: SHORELINE TYPE: *Lagoon*

SEGMENT NUMBER: LOCAL STREAM #: YR CATALOGED: LATITUDE: LONGITUDE: LEGAL: WAVE EXPOSURE: *Low*

ASC NUMBER: *262-10-10090*
SURVEY TYPE: *CL*
METHOD: *F*
DATE: *6/28/90*
START TIME: *1440*
STOP TIME: *1530*

TEAM RECORDER: *JEFF BARNHART*
OBSERVERS: *Tommy Tomblin, Greg Harold/Kerwin Dreher, Terry Ellsworth, Don McBee*
AGENCY (IES): *ADF&G, Exxon, USCG, ADEC, NPS*

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

SAMPLES TAKEN? *N*

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

OILING DATA

	LENGTH	WIDTH	M2	%	THICK	FEN	OIL TYPE
SITE 1	<i>10</i>	<i>1</i>	<i>10</i>	<i>NA</i>	<i>0.1mm To <1cm</i>	<i>Ø</i>	<i>CT, ST, CV</i>
SITE 2	<i>10</i>	<i>.5</i>	<i>.5</i>	<i>NA</i>	<i>0.1mm To 1mm</i>	<i>Ø</i>	<i>CT, ST</i>
SITE 3	<i>5</i>	<i>.5</i>	<i>2.5</i>	<i>NA</i>	<i>0.1mm To 1mm</i>	<i>Ø</i>	<i>CT, ST</i>
SITE 4	<i>NA</i>	<i>N/A</i>	<i>N/A</i>	<i>NA</i>	<i>0.1mm To <1cm</i>	<i>Ø</i>	<i>CV, CT, ST</i>
SITE 5							

OVERALL OIL IMPACT: *VL*

OIL IN STREAM CHANNEL? *N*

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

SUBSTRATE

Bedrock Granule
Boulder Sand
Cobble *60* Silt
Pebble *40* Veget.

SPECIES

COUNT

COMMENTS: *Oil appeared in the form of CV/CT/ST which was not recoverable. The mousse located during the SSAT survey was not located during the cleanup phase. The one meter section of oiled absorbent boom was no longer present on the stream bank.*

NOTE: *This stream joins in a common Lagoon with Clear creek (262-10-10080)*

'90 Preanad

ASC NUMBER:	SEGMENT NUMBER:	YR CATALOGED:
LOCATION:		
STREAM NAME: unnamed		LATITUDE:
KODIAK K-UNIT:	LOCAL STREAM #:	LONGITUDE:
USGS QUADRANGLE:		LEGAL:
SHORELINE TYPE: Lagoon		WAVE EXPOSURE: Low

ASC NUMBER: 262-10-10090
 SURVEY TYPE: PA
 METHOD: F
 DATE: 4-26-90
 START TIME: 0828
 STOP TIME: 0920

TEAM RECORDER: E. Weiss
 OBSERVERS: J. Barnhart

AGENCY(IES): ADF+G

PHOTOS TAKEN? Y
 Roll #: 90 Eww 002K Frames: 11-15
 VIDEO TAKEN? N Tape Number:
 Counter Start:

SAMPLES TAKEN? N

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

OILING DATA

	LENGTH	WIDTH	M2	%	THICK	FEN	OIL TYPE
SITE 1	75m	Not Available → N/A	N/A	1	0.1mm	Ø	ST/S/L+C
SITE 2	200m	N/A	N/A	1	0.1mm	Ø	ST/S (one Tar ball)
SITE 3	100m	N/A	N/A	N/A	0.1mm to 1mm	Ø	ST/S/L CT ST/S
SITE 4							
SITE 5							

OVERALL OIL IMPACT: VL

OIL IN STREAM CHANNEL? N

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? Y

SUBSTRATE

Bedrock	Granule
Boulder	Sand 30
Cobble 40	Silt
Pebble 30	Veget.

SPECIES					
COUNT					

COMMENTS: Sporadic stain and oil splashed drift in storm tide drift line. Sporadic oil stain on boulders on back bank of stream and on back side of beach front spit. Absorbent oil boom located on stream bank at high tide line. Recommend no Anadsett.

Note: This stream joins in a common lagoon with clear creek (262-10-10080)

'90 AS (Anadssat)

ASC NUMBER:	SEGMENT NUMBER:	YR CATALOGED:
LOCATION:		
STREAM NAME: <i>Unnamed</i>		LATITUDE:
KODIAK K-UNIT:	LOCAL STREAM #:	LONGITUDE:
USGS QUADRANGLE:		LEGAL:
SHORELINE TYPE: <i>Lagoon</i>		WAVE EXPOSURE: <i>Low</i>

ASC NUMBER: *262-10-10090*
SURVEY TYPE: *AS*
METHOD: *F*
DATE: *5/2/90*
START TIME: *1434*
STOP TIME: *1525*

TEAM RECORDER: *E. Weiss*
OBSERVERS: *K. Schock, C. Larson, D. yoes, K. Kritchlow*

AGENCY (IES): *ADF&G/NPS/Enron/WWC*

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

SAMPLES TAKEN? *N*

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

OILING DATA

	LENGTH	WIDTH	M2	%	THICK	FEN	OIL TYPE
SITE 1	<i>12</i>	<i>1</i>	<i>12</i>	<i>N/A</i>	<i>0.1mm</i>	<i>Ø</i>	<i>ST</i>
SITE 2	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>0.1 mm</i>	<i>Ø</i>	<i>ST</i>
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT: *VL*

OIL IN STREAM CHANNEL? *N*

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

SUBSTRATE

Bedrock	Granule
Boulder	Sand
Cobble <i>60</i>	Silt
Pebble <i>40</i>	Veget.

SPECIES

COUNT

COMMENTS: *ST/S on cobble bank south side of stream, mid tide area below storm berm where stream comes from lagoon. Also 3 foot section of oiled absorbent Boom. ST/S also 12m x 1m in head of lagoon. Some ST/L in storm drift line. Recommend some type A removal of debris (oiled boom, few pt).*

NOTE: *This stream joins in a common lagoon with clear creek (262-10-10080)*

* ON PREVIOUS LIST LABELED AS GLACIER LAKE CREEK ANADROMOUS
ASC 262-10-10070

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
3 DATE: 5/2/90 15 HIGH TIDE TIMES: 1 21 TEAM RECORDER: E. WEISS
4 START TIME: 1434 16 HIGH TIDE HTS: 1 22 OBSERVERS: K. SCHOCK, C. LARSON
5 STOP TIME: 1525 17 LOW TIDE TIMES: 1550 23 AGENCY: ADFG/EXXON/NAS/WWC
6 SEGMENT #: CD20A 18 LOW TIDE HTS: 1.9 24 PHOTOS TAKEN: Y N
7 STATION #: 19 TIDE HT AT SURVEY: Roll #: Frame:
8 K-UNIT: K0911 Ebb Slack Flood Slack 25 VIDEO TAKEN: Y X TAPE #: Start: End:
9 STAT AREA: 20 USCG QUAD: AF06GNAR D-5
10 LAT: 58 48 20 11 LONG: 153 22 7 26 SAMPLES TAKEN? Y X Number
12 SOURCE: Map Loran CATALOG Oil Sediment Biological Water
13 LOCATION: ~4mi SW OF VABM "SOUTH DOUGLASS"
14 DESCRIPTION: LEGAL DESCRIPTION S 16S 25W 12

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? X N
33 SHORELINE TYPE: Headland Low-lying Rocks Beach Cove Lagoon Marsh
34 WAVE EXPOSURE: High Moderate Low
35 SUBSTRATE TYPE: Bedrock Boulder Cobble 60
Gravel 40 Sand Mud/silt

36 CATALOGED ANAD. FISH STREAM? X N
37 CATALOG #: 262-10-10080 -unnamed
262-10-10080 -clearer
GLACIER LAKE CREEK 9ft
38 STREAM NAME: MEADOW CREEK 10-
39 OIL IN STREAM BED? Y X
40 OIL ON STREAM BANKS? X N
41 OIL ON BEACH ADJACENT TO MOUTH? Y N
(within 50 meters)
42 OIL WITHIN 1 MILE OF STREAM? Y N
Where:
43 ANADROMOUS FISH PRESENT? Y N
44 ANADROMOUS FISH OBSERVATION
Species Aerial Ground
ACE 1951230
+1F/HF

COMMENTS: ST/S ON COBBLE BANK SOUTH SIDE OF STREAM
MID TIDE AREA BELOW STORM BERM, WHERE STREAM
COMES FROM LAGOON. ALSO 3' SECTION OF OILED ABSORBENT
BOOM. ST/S ALSO 12 M x 1 M IN HEAD OF LAGOON.
SOME ST/L IN STORM DRIFT LINE.
RECOMMEND: SOME TYPE OF REMOVAL OF DEBRIS (OILED BOOM, FEW PT.
ST/S)

30m

ANADROMOUS FISH STREAM EVALUATION

262-10-10080
SEGMENT ST/K09-11-CD-020 STREAM NO: 262-10-10090 DATE 5/2/90

SEGMENT ENVIRONMENTAL SENSITIVITIES AND TIME CONSTRAINTS:

1A Salmon stream mouth - fry outmigration (3/1 to 5/15)
1B Salmon stream mouth - spawning (7/10 to 8/31)
8AA Sensitive estuary

See attached Ecological Constraint sheet for specific constraints and contacts.

SUBDIVISION ECOLOGICAL CONSTRAINTS:

No ecological constraints regarding intertidal biota.

ARCHAEOLOGICAL CONSTRAINTS:

If cultural resources are uncovered during shoreline treatment, stop work in the vicinity, mark the location of the find and contact Exxon's Cultural Resource Program immediately (564-3276 (Anchorage) or 229-1508 (24 hrs.)).

SHPO SIGNATURE: Ricki Joan Orr DATE: 5/22/90

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 Removal	☐ Beach Cleaner
	☐ Other (see comments)

COMMENTS: Recommend manual pick up of mousse and cleanup debris as indicated on attached sketch map. Contact ADF&G for work window dates.

TAG COMMENTS: _____

TAG APPROVAL DATE: 5/18/90

ADEC Art Weiner Art Weiner

EXXON MUNTER Real

NOAA Gary Petrac Gary Petrac

USCG G.A. BEITER G.A. Beiter

FOSC: [Signature]

DATE: MAY 25 1990

ACE 1951237+/5

- 1A Salmon stream mouth - fry outmigration (4/15 to 7/31)
 1B Salmon stream mouth - spawning (7/15 to 9/10; PEAK 8/15)
 No disturbance of stream bed or banks unless authorized by ADF&G. No beach flushing into stream drainage. No bioremediation or other chemical application within 100m of stream without authorization from ADF&G. No use of methods which might affect nearshore oil or toxicity levels, such as hot water wash or Inipol application, unless authorized by ADF&G. Treatment which is not intrusive and which will not affect nearshore oil or toxicity levels, such as manual removal, can probably proceed without adherence to time constraints. In any case, contact ADF&G prior to treatment for consultation and/or permit application.
 AGENCY CONTACT PERSON: ADF&G Ken Middleton 267-2299
- 1C Salmon fry nursery area (4/31 to 7/31)
 No use of methods which might affect nearshore oil or toxicity levels, such as hot water wash or Inipol application, unless authorized by ADF&G. Treatment which will not affect nearshore oil or toxicity levels, such as manual or mechanical removal, can probably proceed without adherence to time constraints. Contact ADF&G prior to treatment for confirmation and advice.
 AGENCY CONTACT PERSON: ADF&G Larry Peltz 424-3214
- 1D Kotol Bay Hatchery release
 Pink salmon - late May, early June; Chum salmon - June; Sockeye salmon - early July.
- 1H Remote release site
 No use of methods which might affect nearshore oil or toxicity levels, such as hot water wash or Inipol application, unless authorized by ADF&G. Treatment which will not affect nearshore oil or toxicity levels, such as manual or mechanical removal, can probably proceed without adherence to time constraints. Contact ADF&G for confirmation and authorization.
 AGENCY CONTACT PERSON: ADF&G Larry Peltz 424-3214
- 1I Gill net area
 1J Purse seine area
 Mainland, West side Kodiak, Shuyak & Moser/Olga Bay (8/9 to 10/1)
 East side Kodiak, East side Adognak (7/4 to 10/1)
 1K Purse seine hook-off
 1L Set net sites
 Contact ADF&G for confirmation - dates and locations may vary. Restrict boat and air traffic to essential minimum. When set net sites are present (1L) restrict beach operations to essential minimum as authorized by ADF&G. If plans for treatment include methods such as hot water wash or Inipol application which might affect nearshore oil or toxicity levels, contact ADF&G for consultation and authorization.
 AGENCY CONTACT PERSON: ADF&G Larry Nicholson 424-4791
- 2M Herring spawning (4/15 to 6/30)
 Contact ADF&G for confirmation - dates and locations may vary. Restrict boat traffic to essential minimum. Avoid damage to unopened intertidal and subtidal algae and seagrass. If plans for treatment include methods such as hot water wash or Inipol application which might affect nearshore oil or toxicity levels, contact ADF&G for consultation and authorization.
 AGENCY CONTACT PERSON: ADF&G Larry Nicholson 486-4791
- 3N, 3P Harbor seal and sea lion pupping (5/10 to 7/1)
 3O, 3Q Harbor seal and sea lion molting (5/15 to 9/15)
 Restrict boat and air traffic to essential minimum. No personnel within 400m. Aircraft to maintain 800m horizontal and 300m vertical distance from haulouts. No application of Inipol within two weeks of arrival dates (work window at these sites is limited to 7/2 to 7/31). Contact ADF&G and USFWS prior to treatment for confirmation.
 AGENCY CONTACT PERSON: US National Marine Fisheries Service Steve Zimmerman 586-7235
 ADF&G Don Calkins 267-2403
- 5R Seabird colony (5/1 to 9/1)
 Restrict air and boat traffic to essential minimum. No personnel within 800m. Aircraft to maintain 800m horizontal, 300m vertical distance from colony. Contact USFWS prior to treatment.
 AGENCY CONTACT PERSON: USFWS Jill Parker 786-3377
- 5S Shorebird/waterfowl concentration (4/1 to 5/15)
 Restrict all activity to essential minimum, especially air traffic. Contact USFWS and ADF&G for confirmation.
 AGENCY CONTACT PERSON: USFWS Jill Parker 786-3377
 ADF&G Tom Roth 267-2206
- 5T All Bald Eagle nests (3/1 to 6/1)
 Active Bald Eagle nests (3/1 to 9/1)
 Restrict air traffic and all disturbance to essential minimum. No personnel within 400m 3/1 to 6/1. Air approach and takeoff from and to seaward only; maintain 800m horizontal, 300m vertical distance from nests. Contact USFWS prior to treatment for confirmation of dates
 AGENCY CONTACT PERSON: USFWS Jill Parker 786-3377
- 6U Recreation: Tent sites (5/1 to 9/15)
 6V Anchorages (5/1 to 9/15)
 6W Forest Service cabins (5/1 to 9/15)
 6X Lodge (5/1 to 9/15)
 6Y Special use destination
- 7Z Subsistence area: Salmon harvesting (5/1 to 9/30)
 7H-H Finfish harvesting
 7I Deer harvesting (5/1 to 1/7)
 7J Invertebrate harvesting
 7K Bear harvesting (4/1 to 5/15 and 10/25 to 11/30)
 Contact ADF&G and appropriate Native Corporation for specific dates, locations, and constraints. Restrict boat and air traffic and beach disturbance to essential minimum. If plans for treatment include methods such as hot water wash or application of Inipol which might affect intertidal or nearshore oil or toxicity levels, contact ADF&G and appropriate Native Corporation for authorization - see Native Corporation Contact List for each Native Corporation's contact person.
 AGENCY CONTACT PERSON: ADF&G Jim Fall 267-2359

ACE 1951238

FIELD SHORELINE COMMENT SHEET

SEGMENT ST / CD-20 A SUBDIVISION: 262-10-10080 DATE 02 MAY 90
262-10-10090USCGNAME Kerwin L. Dreher SIGNATURE CWO K. L. Dreher☐ NO TREATMENT RECOMMENDED
COMMENTS☒ TREATMENT SUGGESTED

Type A manual removal.

~~ADEC~~ → ADF&GNAME Edward W. Weiss SIGNATURE Edward W. Weiss☐ NO TREATMENT RECOMMENDED
COMMENTS☒ TREATMENT SUGGESTEDSUGGEST REMOVAL OF OILY DEBRIS (BOOM, ETC) AND
SMALL BAND OF PATCHES.~~LAND MANAGER~~ → NPSNAME Carl Schuch SIGNATURE Carl Schuch~~☐ NO TREATMENT RECOMMENDED~~ ~~☐ TREATMENT SUGGESTED~~
COMMENTSThis lagoon/estuary system is very protected and any
oil and oiled debris can be expected to persist for
a long time. A cleanup crew should be sent in to remove
oiled drift, rope, sorbent boom and band of patchy mussel.

REVISION NO 04

SURFACE OIL

Frames _____

DATE _____

10090 CLEAR CREEK

10080 MONUMENT CREEK

CHECKLIST

- ___ N Arrow
- ___ Approx. Scale
- ___ Seg/Tab Study
- ___ O/E Dist.
- ___ Width
- ___ Length
- ___ % Cover
- ___ Substrate Character
- ___ Est. HPA/LANL
- ___ SSL
- ___ Profile Location(s)
- ___ Profile(s)
- ___ P/L Location(s)
- ___ Photo Location(s)

LEGEND

1 A

PH - No Subsurface CB

771 - Subsurface Oil . .

CT/C

Continuous Distribution

CIA

Broken Distortion

CT/P

Product Distribution

CT/S

Skewed Distribution

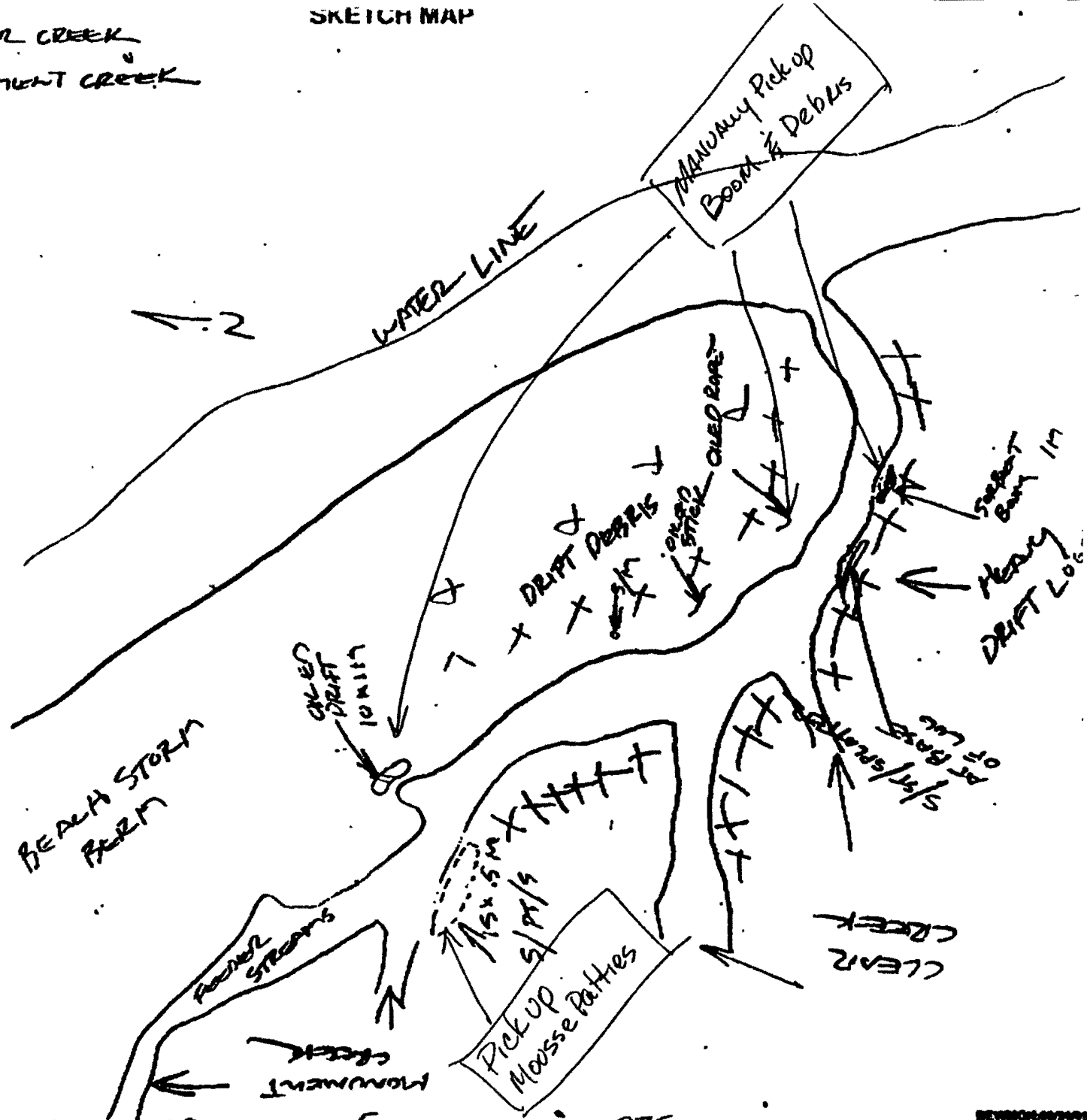
Died Vegetation

**Photo location, direction,
and number**

ACE 1951241

Oil Character Length (m): AP PO CV CT ST 20 MS PT 5 TB FL NO 875

1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 26



ASC 262-10-10070

ADFG MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: DB DB TS AVE SCM MMB PTA2 REGION: PWS KP,CI K,ADMETHOD: Aerial Ground Boat3 DATE: 5/2/9015 HIGH TIDE TIMES: 121 TEAM RECORDED: E. WEISS4 START TIME: 143416 HIGH TIDE HTS: 122 OBSERVERS: K. SCHOCK, C. LARE5 STOP TIME: 152517 LOW TIDE TIMES: 155023 AGENCY: ADFG/EXXON/NAS/V6 SEGMENT #: C020A18 LOW TIDE HTS: 1.924 PHOTOS TAKEN: Y N

7 STATION #:

19 TIDE HT AT SURVEY:

Roll #: _____ Frame: _____

8 K-UNIT: K0911Sub Stack Flood Stack25 VIDEO TAKEN: Y X TAPER:

9 STAT AREA:

20 USGS QUAD: AFOGNAK D-5

Start: _____ End: _____

10 LAT: 38 48 2011 LONG: 153 22 726 SAMPLES TAKEN: Y X Number12 SOURCE: Map Loran CATALOG

Oil _____

13 LOCATION: ~4mi SW OF VABM "SOUTH DOUGLAS"

Sediment _____

14 DESCRIPTION: LEGAL DESCRIPTION S 16S 25W12

Biological _____

EXTENT OF OIL

Water _____

27 SURFACE COVERAGE

SHORELINE				STREAM			
L	W	HP	S	L	W	HP	S

28 CATALOGED ANAD. FISH BREAST: X N

262-10-10090

27 CATALOG #: 262-10-10080

CLEAR CREEK

28 STREAM NAME: MONUMENT CREEK

28 SURFACE THICKNESS

29 OIL IN STREAM BED: Y X

29 PENETRATION

40 OIL ON STREAM BANKS: X N30 OVERALL OIL IMPACT: N Y L N N41 OIL ON BEACH ADJACENT TO MOUTH: Y N

(within 50 meters)

31 OIL TYPE: Poolee Mousse Tar Asphalt Sticky Stain42 OIL WITHIN 1 MILE OF STREAM: Y N32 OILED DEBRIS: X N

Where: _____

33 SHORELINE TYPE: Headland Low-lying Rocks Beach Cove43 ANADROMOUS FISH PRESENT: Y NLagoon Marsh34 WAVE EXPOSURE: High Moderate Low

44 ANADROMOUS FISH OBSERVATION

35 SUBSTRATE TYPE: Bedrock Boulder Cobble 60Species Aerial GroundGravel 40 Sand Red/silt

ACE 1951242

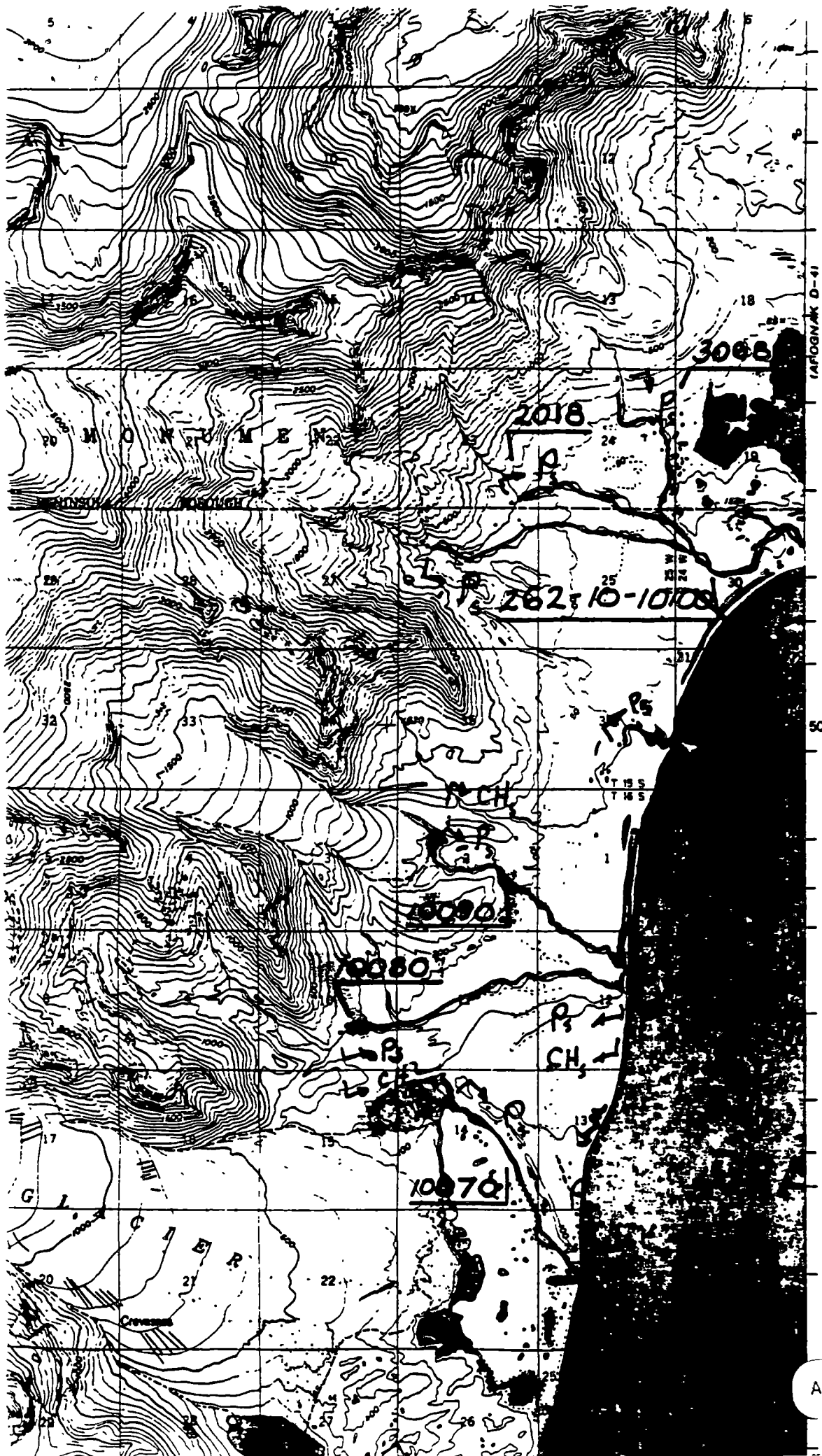
COMMENTS: ST/S ON COBBLE BANK SOUTH SIDE OF STREAM
MID TIDE AREA BELOW STORM BEACH. WHERE STREAM
COMES FROM LAGOON. ALSO 3' SECTION OF OILED ABSORBE
BOOM. ST/S ALSO 12M x 1M IN HEAD OF LAGOON.
SOME ST/L IN STORM DRIFT LINE.

Seg ID: CD-20A Subdiv: 262-10-10080 Monument
Survey Date: 5/2/90 262-10-10090 Clear Crk
Comments by: Ken Critchlow

Two streams, Monument (No.) and Clear (So.) creeks feed into a common lagoon behind a large storm berm and log jam that protect the lagoon from high energy exposure that affects the fronting beach. No oil nor marine organisms were observed on the beach. The left (So.) bank of the stream where it crosses the beach was characterized by a heavy log jam at the base of which oil stain was observed along with some splatter. A sorbent boom stained by oil was found in this location. Some small areas of oiled drift mousse, patties and stain were observed near the water's edge in the lagoon.

No ecological constraints were apparent.

KR Critchlow



K9N-11
CD 20

USGS Map
AFOGNAK (D-5)

ACE 1951244-15

ANADROMOUS FISH STREAM EVALUATION

262-10-10080 ✓
 SEGMENT ST/K09-11-CD-020 STREAM NO: 262-10-10090 DATE 5/2/90

SEGMENT ENVIRONMENTAL SENSITIVITIES AND TIME CONSTRAINTS:

1A Salmon stream mouth - fry outmigration (3/1 to 5/15)
 1B Salmon stream mouth - spawning (7/10 to 8/31)
 SAA Sensitive estuary

See attached Ecological Constraint sheet for specific constraints and contacts.

SUBDIVISION ECOLOGICAL CONSTRAINTS:

No ecological constraints regarding intertidal biota.

ARCHAEOLOGICAL CONSTRAINTS:

If cultural resources are uncovered during shoreline treatment, stop work in the vicinity, mark the location of the find and contact Exxon's Cultural Resource Program immediately (564-3276 (Anchorage) or 229-1508 (24 hrs.)).

SHPO SIGNATURE: Rube from Omer DATE: 5/22/90

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 Removal	☐ Beach Cleaner
	☐ Other (see comments)

COMMENTS: Recommend manual pick up of mousse and cleanup debris as indicated on attached sketch map. Contact ADF&G for work window dates.

TAG COMMENTS: _____

TAG APPROVAL DATE: 5/18/90

ADEC Art Weiner Art Weiner

EXXON Ann Tate Ann Tate

NOAA Gary Pattee Gary Pattee

USCG G.D. Heiter G.D. Heiter

FOSC Gansofri

DATE: MAY 25 1990

ACE 1951231 +15

SKETCH MAP

SEGMENT STN K-0912

STREAM 262-10

10090 CLEAR CREEK

10080 MONUMENT CREEK

DATE 5/2/80

CHECKLIST

- ☐ H Area
- ☐ Approx. Size
- ☐ Seg/Tab Entry
- ☐ Ch Dist
- ☐ Wash
- ☐ Length
- ☐ % Cover
- ☐ Substrate Character
- ☐ Est. VPM/AM
- ☐ SS
- ☐ Profile Location(s)
- ☐ Profile(s)
- ☐ Pn Location(s)
- ☐ Photo Location(s)

LEGEND

1 A

Pt - Subsurface CP

2 A

Pn - Subsurface CP

CT/C

Continuous Distribution

CT/B

Broken Distribution

CT/P

Patchy Distribution

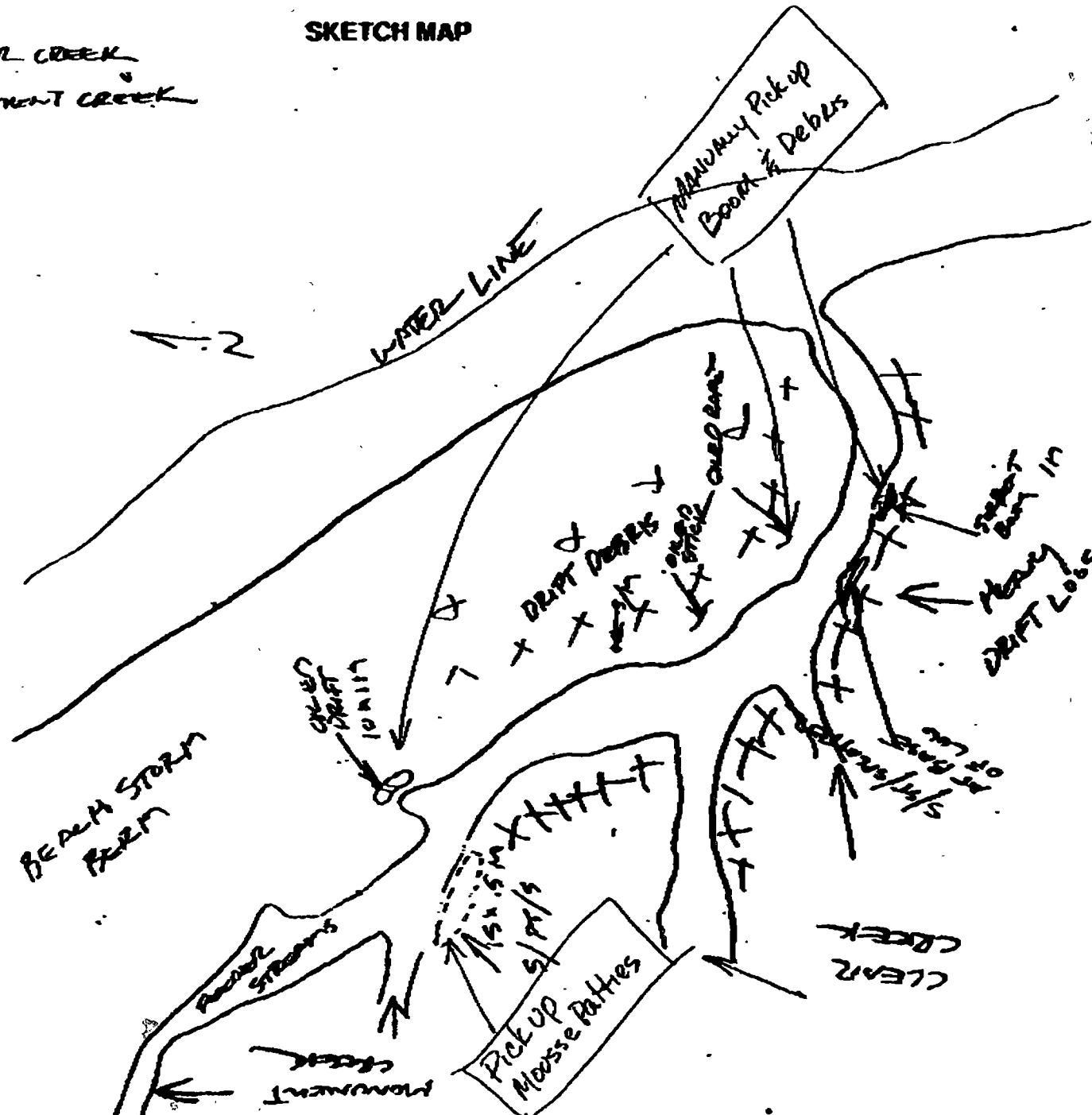
CT/S

Splashed Distribution

lll
Oiled Vegetation

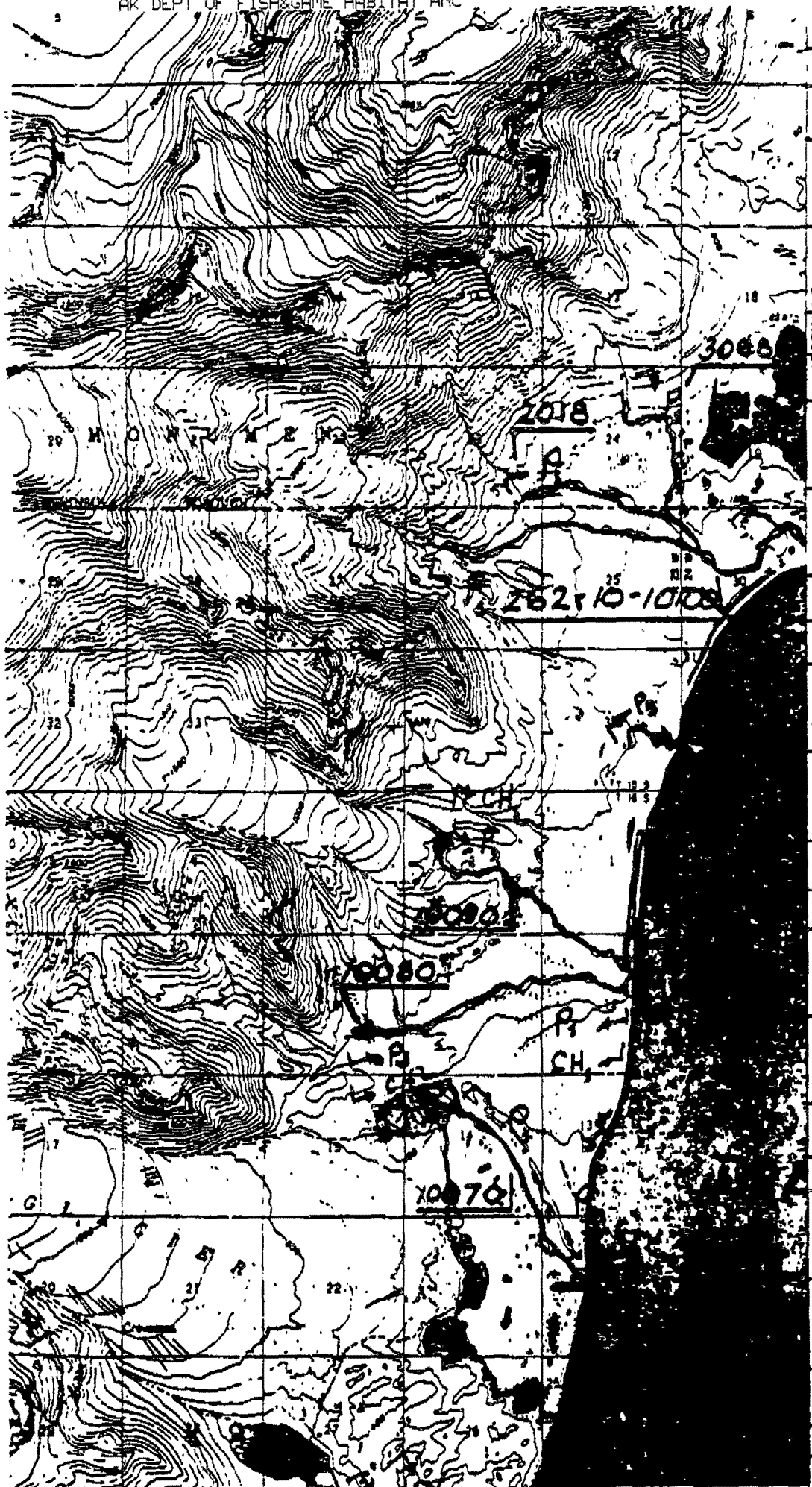
1 00

Photo location, direction,
and number



OK Character Length (in): AP FO CV CT ST 20 MS PT 5 TB FL NO 875

ACE 1951232



K9N-11
CD 20

USGS Map
AF06NAK (D-5)

ANADROMOUS FISH STREAM EVALUATION ADDENDUM

CONSTRAINTS FOR STREAM NOS. 262-10-10080 and 262-10-10090

SEGMENT K09-12-CD-020 SUBDIVISION A

WORK WINDOW	
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 (262-10-10080 and 262-10-10090) are in Subdivision A. 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. Sensitive estuary.

SEE SUBDIVISION CONSTRAINT ADDENDUM K09-12-CD-020
FOR ADDITIONAL CONSTRAINT INFORMATION.

FOSC

J. Zausch

Date

6-16-90

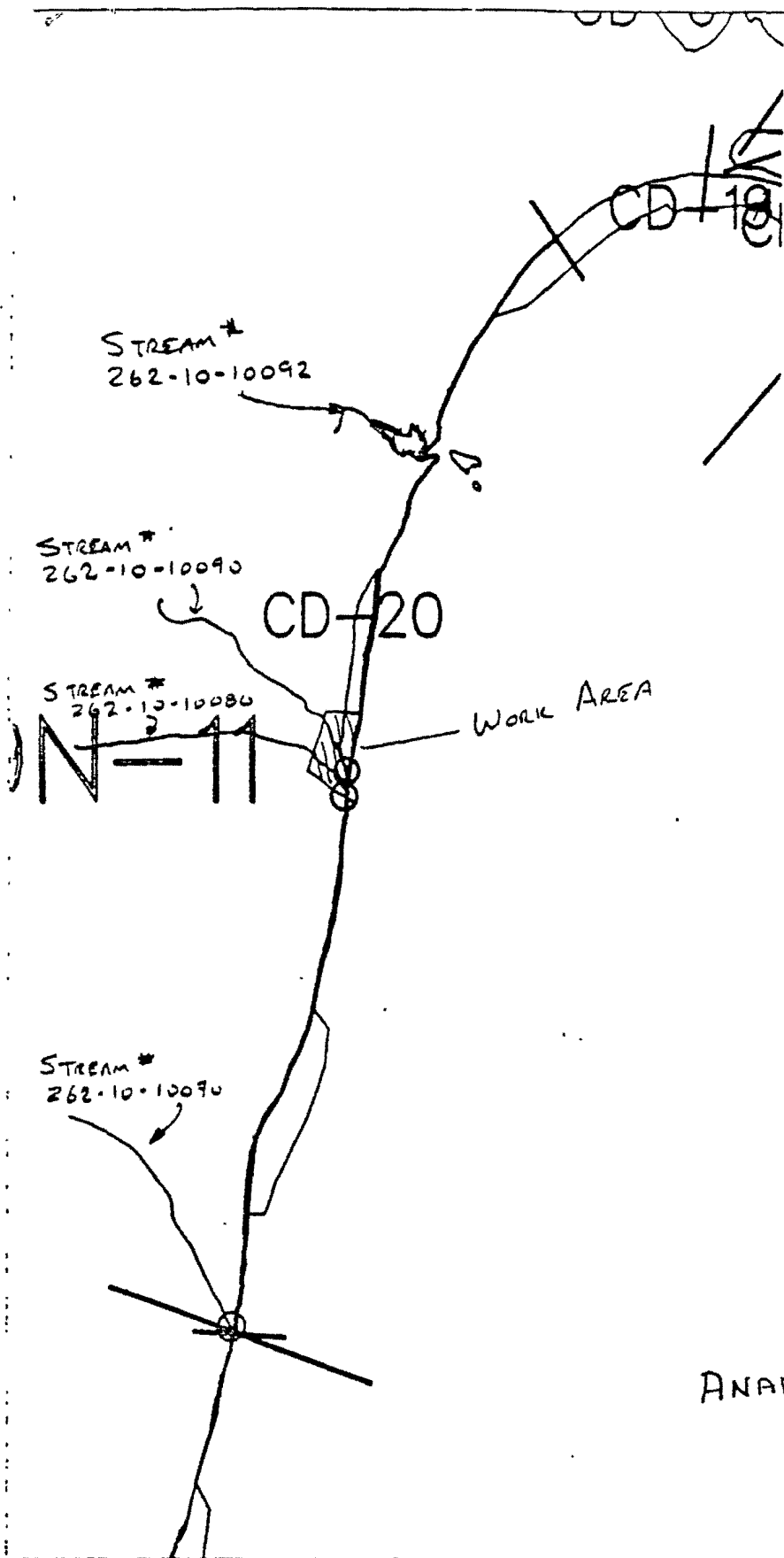
Prepared by

Phillips

Date

6/15/90

ACE 1951234+/S



ANADROMOUS Stream Evaluation

ACE 1951235

TREATMENT



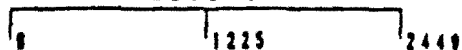
Exxon Company, USA

Map Key: AKP-CD-20

June 08, 1990

ECOLOGY MAP
SEGMENT K9N-11 CD-20
SUBDIVISION A (_ _ _)

METERS



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

1 inch = 4018 feet

ANADROMOUS FISH STREAM EVALUATION

262-10-10080

SEGMENT ST/K09-11-CD-020 STREAM NO: 262-10-10090 DATE 5/2/90

SEGMENT ENVIRONMENTAL SENSITIVITIES AND TIME CONSTRAINTS:

1A Salmon stream mouth - fry outmigration (3/1 to 5/15)
1B Salmon stream mouth - spawning (7/10 to 8/31)
8AA Sensitive estuary

See attached Ecological Constraint sheet for specific constraints and contacts.

SUBDIVISION ECOLOGICAL CONSTRAINTS:

No ecological constraints regarding intertidal biota.

ARCHAEOLOGICAL CONSTRAINTS:

If cultural resources are uncovered during shoreline treatment, stop work in the vicinity, mark the location of the find and contact Exxon's Cultural Resource Program immediately (564-3276 (Anchorage) or 229-1508 (24 hrs.)).

SHPO SIGNATURE: Ruhl Joan Orr DATE: 5/22/90

Subsurface Oil Observed: Yes No X Maximum Depth

RECOMMENDATIONS:

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

COMMENTS: Recommend manual pick up of mousse and cleanup debris as indicated on attached sketch map. Contact ADF&G for work window dates.

SEE CONSTRAINT ADDENDUM DATED 6/15/90 JP

TAG COMMENTS:

TAG APPROVAL DATE: 5/18/90

ADEC Art Weimer Art Weimer

EXXON Anthony Anthony

NOAA Gary Petrac Gary Petrac

USCG G.A. Reiter G.A. Reiter

FOSCA Janoff

DATE: MAY 25 1990

ACE 1951236 -/S

SEGMENT INSPECTION RECORD

RECEIVED
8/6/89

ADEC # K9-11

Shoreline Segment: CD-18 & other areas in subunit

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

Date 8/6/89

Time 1715

Printed Name

Gayle Cannon

Existing Shoreline Condition As
Visually Determined by USCG

Surface Oil

Percent	Degree of Oiling
<u>CD18</u> <u>100%</u> <u>100</u>	Heavy
<u>100%</u> <u>100</u>	Medium
<u>100%</u> <u>100</u>	Light
<u>100%</u> <u>100</u>	Very Light

Subsurface Oil

☒ Yes ☒ No

Comment Below

Reassessment

☒ Yes - Necessary — CD 20

☒ No - Not necessary unless re-oiled CD18, CD19

ADEC Rep

Comments

Existing Shoreline Condition As
Visually Determined by ADEC

Surface Oil

Percent	Degree of Oiling
<u>50%</u>	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

Demobilization approved/disapproved

Comments

Signature

Date

Time

Printed Name

Copy: Exxon ADEC FOSC ISCC

Return All Signed Originals to Exxon

ACE 1951245+15

AIRCRAFT MONITOR CAPE DOUGLAS AND GULL PT. 05NOV89

CAPE DOUGLAS:

FLEW OUT TO CAPE DOUGLAS ON AN ERA 212 HELO 0830 WITH MR. GEORGE NAUGHTON AND MS SANDRA FOEZTAS OF THE ARTHUR D. LITTLE CO. OUT OF BOSTON. THEY ARE ON CONTRACT TO EXXON TO CONDUCT WEATHERED OIL STUDIES FOR THE SPILL. THEY WILL BE TAKING SAMPLES FROM REPRESENTATIVE SITES IN ALL OF THE ICP AREAS.

THE HELO LANDED ON THE NORTH TIP OF CAPE DOUGLAS. LOOKED AT AN AREA OF COBBLED TO LARGE ROCKS APPROXIMATELY 300 YRDS LONG. THE EASTERN END OF THE TIP ABOUT 150 YRDS WAS MAINLY COVERED WITH LARGE ROCKS THAT WERE COVERED WITH A THIN LAYER OF MOUSSE IN A BAND FROM THE LOW WATER LINE 30 TO 40 YRDS WIDE. THE MOUSSE AND OIL WERE ALSO BETWEEN THE ROCKS, IN THE PEBBLE/SAND SUBSTRATE. IT DID NOT SEEM TO BE WEATHERING SIGNIFICANTLY. THERE WERE ALSO INTERMITTENT POCKETS OF OILED ROCKS DOWN THE REST OF THE SHORELINE IN A BAND OF APPROXIMATELY 5 YRDS WIDE 30 TO 40 YRDS FROM THE LWL. THE OIL ON THESE ROCKS APPEARED TO BE WEATHERING AND MAY BE DISSIPATED THIS WINTER. THIS SITE SHOULD BE MONITORED AS POSSIBLE THIS WINTER AND MAY BE A CANDIDATE FOR TREATMENT THIS SPRING. PICTURES WILL BE FORWARDED BY MAIL. LEFT THE SITE AT 1110.

GULL PT.:

LANDED AT GULL PT. IN THE COVE AREA WERE TREATMENT OPERATION OCCURRED THIS SUMMER. LOOKED AT A SHORELINE AREA APPROXIMATELY 250 YRDS LONG AND 70 YRDS WIDE. THE WEST END AND MIDDLE OF THE COVE WERE MAINLY MADE UP OF A SAND, PEBBLE AND COBBLE STRUCTURE. THE AREA WAS COVERED INTERMITTENTLY WITH PATCHES OF TAR/MOUSSE AND OIL STAINED COBBLE FROM THE LWL 30 YRDS WIDE. EAST END OF THE COVE CONSISTED OF ROCKY SHORELINE. THE ROCKS HAD TAR /MOUSSE ON THE SURFACE AND IN BETWEEN IN THE SANDY, PEBBLE SUBSTRATE. OVERALL THE OIL DID NOT LOOK AS IF IT HAD BEEN AFFECTED BY THE TIDES TO A GREAT EXTENT. THE COVE AREA PROVIDES SHELTER FROM THE WEATHER AND DOES NOT LOOK LIKE A HIGH ENERGY AREA. THIS SITE SHOULD BE MONITORED AS POSSIBLE THIS WINTER AND MAY BE A CANDIDATE FOR TREATMENT NEXT SPRING. PICTURES WILL BE FORWARDED BY MAIL TO ICP KODIAK AND FOSC.

OVERFLIGHT:

THE OVERFLIGHT WENT FROM HOMER TO CAPE DOUGLAS, FROM CAPE DOUGLAS TO GULL PT. AND FROM GULL PT. THERE WAS NO OIL OR SHEEN SITED.

12 Aug 1989

~~Inspected Segment CD 18 and CD 19 Fume Areas
in CD 18 that were moderately impacted. Type A
cleanup in both segments complete and satisfactory.
CD 18 should be reevaluated for Type B cleanup
A low priority is appropriate for this area.
Impact Areas all large rock high energy
beaches subject to substantial winter storm
conditions.~~

CD 20 was inspected and impact 1000M to 1.5M
Bare oil debris, TAN BATHS & house was not removed.
Accordingly segment CD-20 is NOT acceptable at
this time

[Signature]

DNR COMMENTS

Very light, splashing of oil. spotted not consistent,

ORIGINAL
RECEIVED
8/4/89
TYPE A SHORELINE CLEANUP WORK ORDER

Date 8/04/89

Shoreline Segment CD-18, CD-19, CD-20

Location (see map)

Cape Douglas

ADEC No. K9-11

Shoreline assessment date 7/06/89

Recommended Cleanup Activities

CD-18 Manual removal of mousse deposits on the sand bar (beach) in front of the lagoon and tidal (mud) flat. CD-19 Manual removal of weathered (asphaltic) mousse. Removal of tar covered debris (seaweed and grass). CD-20 Use hands/manual removal of small oiled drift debris. Allow wave action and natural weathering to remove light and very light oiling (high wave energy beaches).

Priority Considerations

CD-18 Class 5-A Do not enter tidal flats due to ecological constraints.

CD-19 Class 4-A

CD-20 Class 4-A

Ecological Constraints

CD-18 Clean beach as quickly as possible to avoid disturbing brown bears in area. Stay completely out of lagoon area. CD-19 None CD-20 During manual cleanup along stream bank behind spit avoid dune plants that have been oiled, since there have not been adversely affected by presence of oil.

Archaeological Constraints (from site survey)

If any archaeological or historical sites or artifacts are discovered during the clean up activity, they must remain undisturbed and the Exxon archaeologist Jim Haggarty contacted (486-5680) (take action prescribed in the "Guideline for Shoreline Cleanup" dated 4/21/89 as amended).

Submitted by:

Jack A. Rickner

Date

8-4-89

Approved:

Exxon
[Signature]

Ben D. Dineen

Date

8-4-89

Federal On-Scene Coordinator Representative *J. Haggarty*

ACE 1951248

(version 5/02/89)

SHORELINE CLEANUP PROGRAM

DATE 7/23/89

SHORELINE SEGMENT K9-11-CD-20

LOCATION: (see enclosed map) Beach adjacent and south of
Cape Douglas

ADEC NO. _____ SHORELINE ASSESSMENT DATE: 7/24/89

Recommended Cleanup Activity(ies):

- Use hands/manual removal of small oiled drift debris.
- Allow wave action and natural weathering to remove light and very light oiling (high wave energy beaches).

Priorities/Considerations: Class 4-A

Ecological Constraints (from site survey):

- During manual cleanup along stream bank behind spit avoid dune plants that have been oiled, since there have not been adversely affected by presence of oil.

Archaeological Constraints (from site survey):

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

Angela Regier
State Historic Preservation Officer *

Date: 8-2-89

EXXON: _____

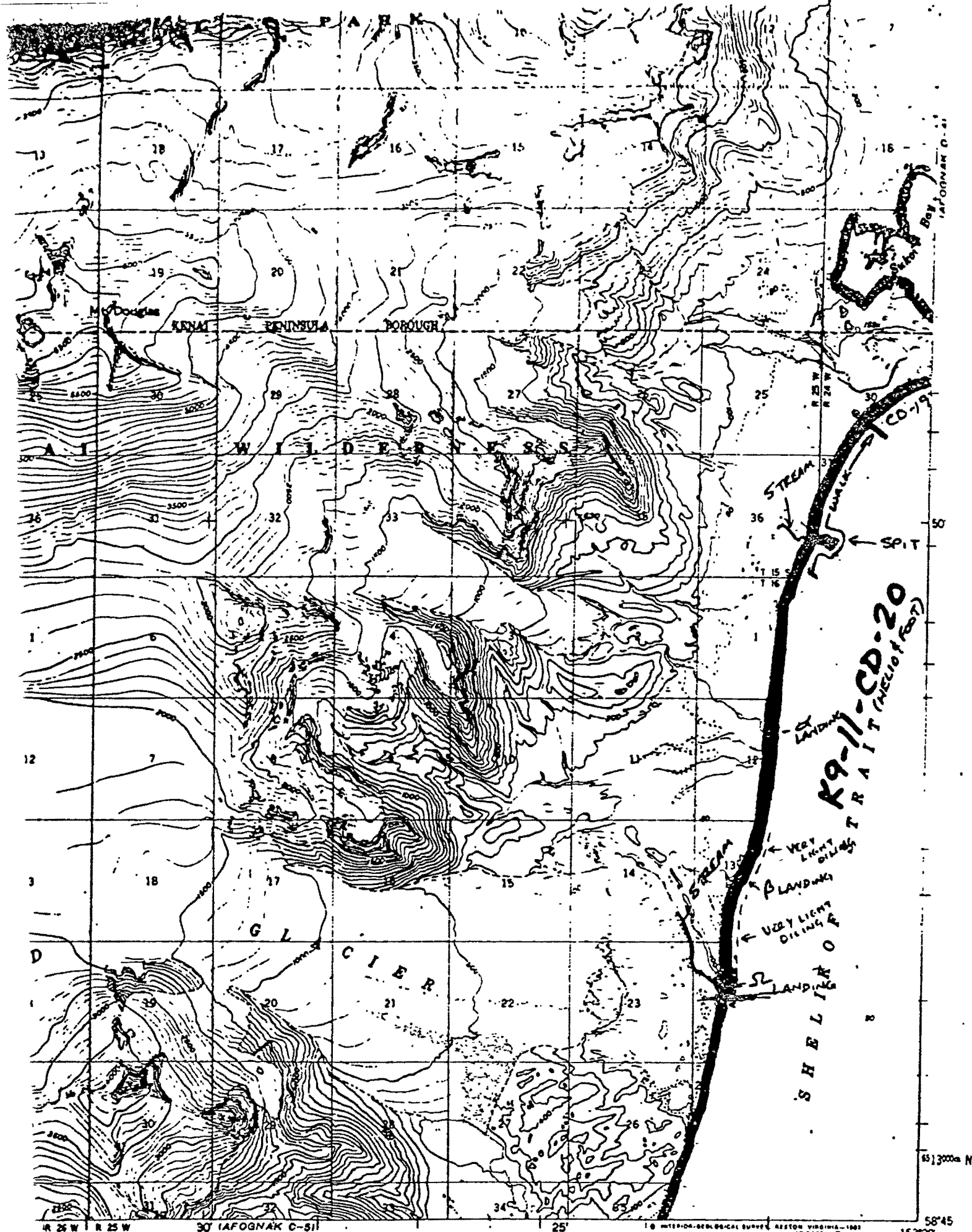
Date: _____

FOSC: _____

Date: _____

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

ACE 1951249



R 26 W R 25 W 30° 14' 00" N C-511

SCALE 1:63360



1:63,360 INTERIOR-GEODESICAL SURVEY ASTORIA, VIRGINIA-1961 4790000 E

58° 45' 153° 20'

ACE 1951250

SHORELINE OIL EVALUATION

Date: 24 July 89 / Time: 1:46
 Surveyed From: Foot Boat/Helio/Plane

Observer: Bryan Trim
 Weather: Sun/Cloud/Rain/Snow/Fog

LOCATION

Location: SEAN - ADJACENT - COAST - OF CAPE TOWN - LAZ Segment ID: K9-11-CD-20
 Segment Length: 7650 m. Access: Vehicle/Boat/Barge/Helio/Float Plane
 Access Restrictions: _____

SHORELINE

Shoreline Type: SPL/BEA/COV/HLD/STRT Slope: Lo/Med/Hi/Vert
 Wave Exposure: High/Med/Low
 Sediment: B 5 % / C 5 % / P 60 % / G&S 25 % / M _____ % / R 5 %

OIL

g. Degree of Oiling: HEAVY / MODERATE / LIGHT / VERY LIGHT / NONE OBSERVED
 Area of Impact: SU/SP/H/M/L

OIL DISTRIBUTION

Continuous % of Segment 30 SU/SP/H/M/L H/M/L/VL
 Sporadic % of Segment 30 SU/SP/H/M/L H/M/L/VL

Oil	Length(m)	Width(m)	Thickness >1cm: _____ cm	SU/SP/H/M/L
Very light:	<u>4000</u>	<u>1</u>	Penetration/Rework: <u>10</u> cm	SU/ <u>SP</u> /H/M/L
Light:	<u>500</u>	<u>1</u>	Burial Depth: _____ cm	SU/SP/H/M/L
Moderate:	_____	_____		SU/SP/H/M/L
Heavy:	_____	_____		SU/SP/H/M/L

Bioaccumulation Potential: High/Medium/Low
 Oil Debris Oiled? Y/N Amount: H/M/L/VL SU/SP/H/M/L Type: Logs

OIL MORPHOLOGY

Oil	Amount	H/M/L/ <u>VL</u>	SU/SP/H/M/L
Coiled Oil:	_____ %		SU/SP/H/M/L
Free Oil:	_____ %		SU/SP/H/M/L
Flattered:	<u>100</u> %	H/M/L/ <u>VL</u>	SU/ <u>SP</u> /H/M/L
Stated:	_____ %	H/M/L/ <u>VL</u>	SU/SP/H/M/L
Cakes/Balls:	_____ %		SU/SP/H/M/L

Preliminary Cleanup Est.

Total TYPE A: 4000 m
 Total TYPE B: 0 m
 Total TYPE A/B: 0 m

OIL WEATHERING

Weathering	Amount	SU/SP/H/M/L
Fresh:	_____ %	SU/SP/H/M/L
Disse:	<u>15</u> %	SU/ <u>SP</u> /H/M/L
Weathered Mousse:	<u>50</u> %	SU/ <u>SP</u> /H/M/L
Partial Mousse:	_____ %	SU/SP/H/M/L
Oil:	<u>5</u> %	SU/SP/H/M/L

OIL COMMENTS

VERY LIGHT SPLATTER IN HIGH INTERTIDAL & SPLASH ZONES & ECTN OF SPIT. SPIT HAS LIGHT SPLATTER IN BOULDER BEACHES (NORTH & SOUTH SHORES) VERY LIGHT SPLATTER PERSISTS 200M SOUTH OF SPIT - THEN NO OIL OBSERVED. 175M METERS OF BEACH HAS NO OILING. THE SOUTHERN BOUNDARY OF THE SEGMENT IS THE STREAM OUTLET IN FRONT OF FOUR PEAK GLACIER. VERY LIGHT TO LIGHT OILING IN SPLASH & INTERTIDAL ZONES EXTENDS FROM STREAM MOUTH NORTH FOR 1700M. THIS OILING IS CONTINUOUS. THE FRESH (CHOCOLATE) MOUSSE IS PROBABLY JUST WEATHERED MOUSSE MELTING. NOTE: FRESH MOUSSE UP TO 1CM THICK BETWEEN BOULDERST & CREVICES ON SPIT. STREAM MOUTH BY SPIT HAS A BAND OF OILING UP TO 20CM WIDE ON BANK (SPLASH ZONE) 200M UPSTREAM. SOME GRASS IS OILED. NOTE: PLANTS HAVE GROWN UP THEN OIL ZONE WITH NO ADVERSE EFFECTS

DOCUMENTATION:

Map Aerial photo marking segment boundaries See Attached

VTR: Y/N Tape Number(s) K05-13

Photography: Y/N Roll Number(s) 211-21

Sample Numbers Collected: N/A

K9-11-0020

24 JULY

MONDAY

1102Z CLEAN S/E/P Beach
MED WAVE

RECOMMEND -

NO ACTION - ONLY 1 2-2cm
CHOC MOUSSE @ 2. NO OBSERVED
ON LANDINGS OR DIERPLI

1006 LV FOR ADQ - REFUEL

1023 AR ADQ ↓

1055 LV ADQ → CAPE DOUGLAS

1146

K9-11-CD-20

SUNNY

“ITR-TRAIL”

STRANDLINE PEOPLE/SOIL BEACH

~ 50M W. OF HI-MED WAVE ENERGY

LOG DRIFT SP/SUPRA/HITE

BEAUTIFUL!!

VLT SPLAT HITE/SP CHOC
MOUSSE PART IS

“MELTING” INTO BEACH TO 10CM ALWAYS

SEE SURFACE EVIDENCE OF OILING

LEVEL

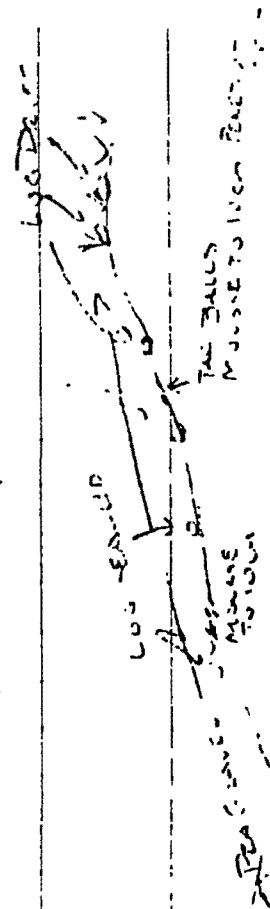
24 July

X-SEC 00-20

Monday

LITZ | M.TZ | HITZ

SPLAS. SUPER



CHOC

ACE 1951254

24 July 89

Monday

HITZ/SP LINE HAS 2m ZONE IMPACT

V.L.T SPLAT WEATHERED MOUSSE/TAR/CHOC MOUSSE

M/HITZ LINE - 1m IMPACT ZONE

V.L.T SPLAT WEATHERED MOUSSE/TAR/CHOC MOUSSE

FATTIES 'MELTS' - LOOKS LIKE DR FRESH OIL

SOUTH SIDE SPIT -

LIGHT SPLATTERS 5-6m WIDE IMPACT ZONE

HITZ/SP Boulder/CIP RUBBLE

WEATHERED MOUSSE ON Boulder w/

2cm THICK CHOC MOUSSE INTER-
Boulders

NORTH SIDE SPIT

3m WIDE IMPACT ZONE LT/VLT SPLAT

HITZ/SP ON Boulders WEATHERED MOUSSE

OCCASIONAL CHOC MOUSSE BETWEEN Boulders

GRASS BROWN (GLOVED) TO WEATHERED MOUSSE

EAST END SPIT (TIP)

FLAT & BEDROCK VLT (WEAT-SP MOUSSE) SPLAT

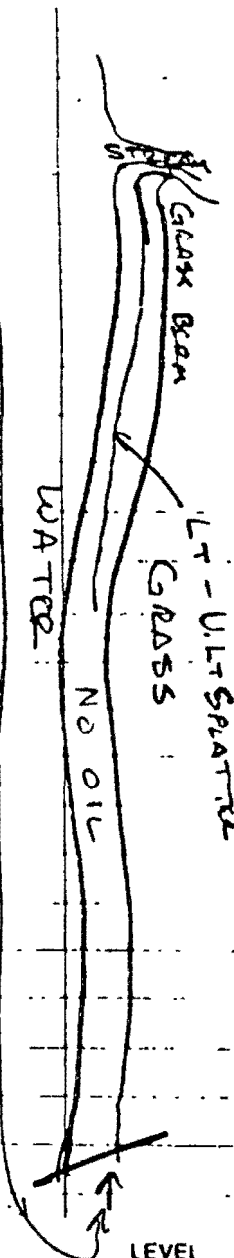
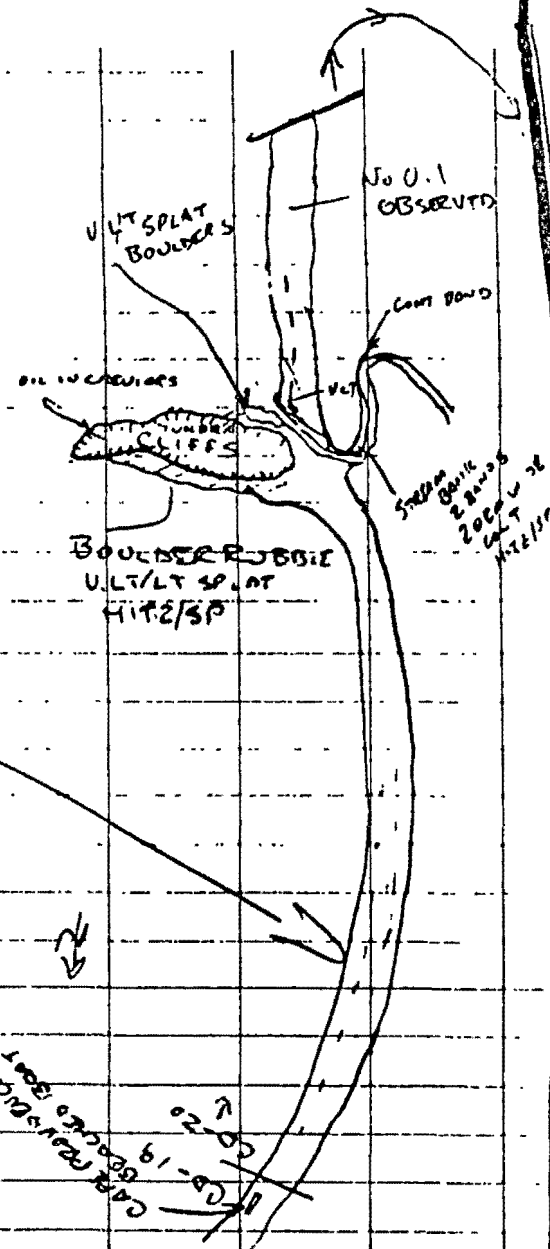
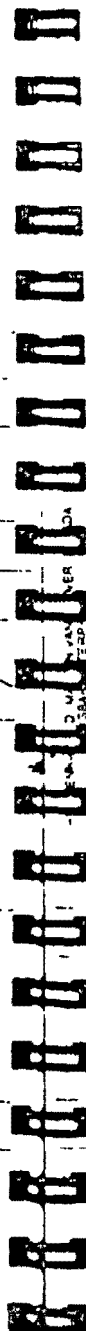
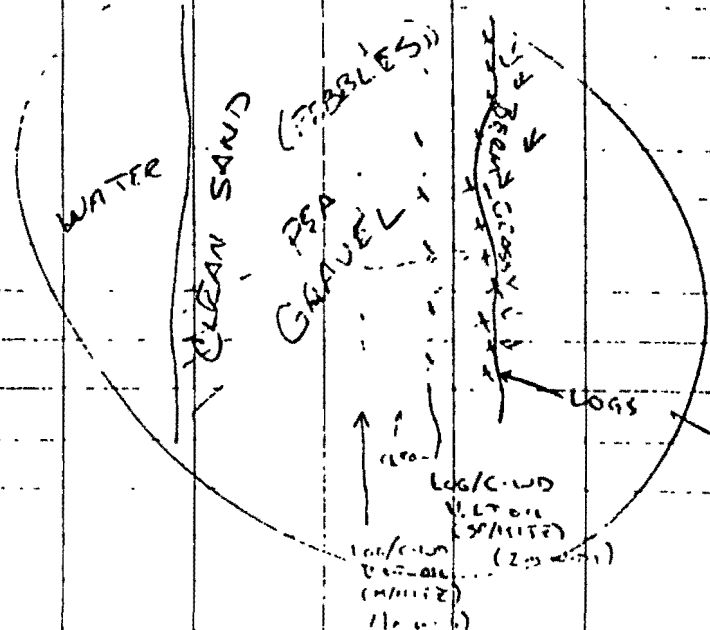
ACE 1951255

LEVEL

24 July

IDEAL PLANE VIEW

MONDAY



ACE 1951256

ACE 1951257

N. 209

UNION C, I, -

2. 24. 1977 (1977)

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

10. 1944-1945 1946-1947 1948-1949 1950-1951 1952-1953 1954-1955 1956-1957 1958-1959 1960-1961 1962-1963 1964-1965 1966-1967 1968-1969 1970-1971 1972-1973 1974-1975 1976-1977 1978-1979 1980-1981 1982-1983 1984-1985 1986-1987 1988-1989 1990-1991 1992-1993 1994-1995 1996-1997 1998-1999 2000-2001 2002-2003 2004-2005 2006-2007 2008-2009 2010-2011 2012-2013 2014-2015 2016-2017 2018-2019 2020-2021 2022-2023 2024-2025 2026-2027 2028-2029 2030-2031 2032-2033 2034-2035 2036-2037 2038-2039 2040-2041 2042-2043 2044-2045 2046-2047 2048-2049 2050-2051 2052-2053 2054-2055 2056-2057 2058-2059 2060-2061 2062-2063 2064-2065 2066-2067 2068-2069 2070-2071 2072-2073 2074-2075 2076-2077 2078-2079 2080-2081 2082-2083 2084-2085 2086-2087 2088-2089 2090-2091 2092-2093 2094-2095 2096-2097 2098-2099 2100-2101 2102-2103 2104-2105 2106-2107 2108-2109 2110-2111 2112-2113 2114-2115 2116-2117 2118-2119 2120-2121 2122-2123 2124-2125 2126-2127 2128-2129 2130-2131 2132-2133 2134-2135 2136-2137 2138-2139 2140-2141 2142-2143 2144-2145 2146-2147 2148-2149 2150-2151 2152-2153 2154-2155 2156-2157 2158-2159 2160-2161 2162-2163 2164-2165 2166-2167 2168-2169 2170-2171 2172-2173 2174-2175 2176-2177 2178-2179 2180-2181 2182-2183 2184-2185 2186-2187 2188-2189 2190-2191 2192-2193 2194-2195 2196-2197 2198-2199 2200-2201 2202-2203 2204-2205 2206-2207 2208-2209 2210-2211 2212-2213 2214-2215 2216-2217 2218-2219 2220-2221 2222-2223 2224-2225 2226-2227 2228-2229 2230-2231 2232-2233 2234-2235 2236-2237 2238-2239 2240-2241 2242-2243 2244-2245 2246-2247 2248-2249 2250-2251 2252-2253 2254-2255 2256-2257 2258-2259 2260-2261 2262-2263 2264-2265 2266-2267 2268-2269 2270-2271 2272-2273 2274-2275 2276-2277 2278-2279 2280-2281 2282-2283 2284-2285 2286-2287 2288-2289 2290-2291 2292-2293 2294-2295 2296-2297 2298-2299 2300-2301 2302-2303 2304-2305 2306-2307 2308-2309 2310-2311 2312-2313 2314-2315 2316-2317 2318-2319 2320-2321 2322-2323 2324-2325 2326-2327 2328-2329 2330-2331 2332-2333 2334-2335 2336-2337 2338-2339 2340-2341 2342-2343 2344-2345 2346-2347 2348-2349 2350-2351 2352-2353 2354-2355 2356-2357 2358-2359 2360-2361 2362-2363 2364-2365 2366-2367 2368-2369 2370-2371 2372-2373 2374-2375 2376-2377 2378-2379 2380-2381 2382-2383 2384-2385 2386-2387 2388-2389 2390-2391 2392-2393 2394-2395 2396-2397 2398-2399 2400-2401 2402-2403 2404-2405 2406-2407 2408-2409 2410-2411 2412-2413 2414-2415 2416-2417 2418-2419 2420-2421 2422-2423 2424-2425 2426-2427 2428-2429 2430-2431 2432-2433 2434-2435 2436-2437 2438-2439 2440-2441 2442-2443 2444-2445 2446-2447 2448-2449 2450-2451 2452-2453 2454-2455 2456-2457 2458-2459 2460-2461 2462-2463 2464-2465 2466-2467 2468-2469 2470-2471 2472-2473 2474-2475 2476-2477 2478-2479 2480-2481 2482-2483 2484-2485 2486-2487 2488-248

BACK 100M BACK FROM BEACH. NO

Post P.F. with To: RINGOLD - EXCISE

1A C630-2/F1-30-C (TRUCK BEACON)

01-11-2023

1415 EUDWALK - STAE - HOFESX10

1-17 X-BY Z²-STREAM - NO P
OBSERVED

1424 P/V.LT/LT SPLOT HITZ/SP

C/P BEACH CONTINUOUS D.R. CO/REMOVED

To Esau

1432.SL Stream - same as B

1443 - (Lack of time to go for CD 2)

END/ K9-11-CD20

ECOLOGICAL EVALUATION

South of

LOCATION: CAPE DOUGLAS SITE: _____ OBSERVER: A McCORMICKLOCATION PREFIX: CB SEG. NO.: 20 LENGTH: 7650 (M)DATE: 7/24/89 TIME (HMM): 1145 TIDE HT.: +1.0 (M)OILED ZONE: Splash High Medium LowSUBSTRATUM: 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)Present on spit boulders only.Mytilus (Mussels): Patchy (Y/N) Contin. (Y/N) Dense (Y/N) Sparse (Y/N) None (Y/N)Mussel can occur at south end of segment only.Balanus (Barnacles): Patchy (Y/N) Contin. (Y/N) Dense (Y/N) Sparse (Y/N) None (Y/N)Present on spit area only.LittorinaPatchy (Y/N) Contin. (Y/N) Dense (Y/N) Sparse (Y/N) None (Y/N)Present on spit only.Limpets: Patchy (Y/N) Contin. (Y/N) Dense (Y/N) Sparse (Y/N) None (Y/N)OTHER OBSERVATIONS: Clam shells, rays, Pterothere, Spidromus, Mya, Augeria
crab carapaces, (Cancer crabs), (Pseudosquilla) (all on beach area) On spit area:
Halosaccus, Scaevola, Margaria, Nucella, Neptunes.CLEANUP PRECAUTIONS: Stay away from dune plants when manually cleaning oil
debris along the stream bank is in with the spit.MAMMALS: Otters _____ Harbor Seals _____ Sea Lions _____ Whales _____
Other 3 Brown Bears

BIRDS: _____

GENERAL OBSERVATIONS: Light to very light mousse and asphalt splatter on debris (on
and pebble/cobbles; a few tar balls seen). Oil is confined to upper ITZ to about 20
deep. On spit area: splatter occurs in splash zone on bedrock outcroppings. Stream closer
behind spit has oil along channel in upper ITZ into dune plants.

(version of 4/29/89)

CULTURAL RESOURCE EVALUATION

Date 24-JULY-1989 Location AFOGNAK D-5 site K9-11

Location Prefix CD- Segment # 20 Length 7650

Survey Method:

Air ~80 % (A - indicate on map) Boat — (A - indicate on map)

Ground ~20% (G - indicate on map)

Known cultural resources (AHRS #) NONE Data Source AHRS

Oil conditions/beach visibility OIL IS LIGHT W/ LOCALIZED AREAS OF MODERATE OIL
VISIBILITY IS GOOD IN WALKED AREAS

Width of beach zone surveyed 0-50 m Tree fringe surveyed 0-40 m

Cultural resources observed in beach zone (AHRS code) SHIP

Cultural resources observed in tree fringe (AHRS code) ROCK CAIRN

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

Shore Profile LOW TO MODERATE ANGLE PEBBLE/SAND/CORAL BEACH

Fresh Water Sources TWO SALMON STREAMS W/ SMALLER STREAMS AS WELL

Sea Exposure EXPOSED EAST FACING COAST

Access/Safety ACCESS ~~SAFE~~ BY BOAT IS SAFE DURING CALM SEAS

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) J. ERLANDSON

Time survey started 11:46 Time survey ended 2:30

Cultural resource considerations/restraints:

STANDARD CONSTRAINTS: LOW SENSITIVITY AREA FOR ARCHAEOLOGICAL
SITES IN OR ADJACENT TO INTERTIDAL ZONE.

ACE 1951260

(version 6/04/89)

SHORELINE PRE-CLEANUP ASSESSMENT BLOCK REPORT

Block (see enclosed map): K9-11

Includes Shoreline Segments: CD-18, CD-19, CD-20

Location: Cape Douglas

Submitted: _____ Date: _____
(for Exxon)

FOSC Approval: _____ Date: _____

The cleanup procedures identified in the Shoreline Cleanup Program are recommended. Exxon and other field personnel are encouraged to suggest innovations and productivity enhancements to the OSC's on-scene representative. Requirements for safety and the protection of cultural material must be observed.

CC: KISCC

ACE 1951261

