

CH-016 A ASC 16258
near Chenega Village (old)

ACE 1369525



Sensitive Areas/ Periods

veco

- Prince William Sound -

DOCUMENTS IN STREAM FILES

ASC# _____ Segment # _____

____ '89 Intertidal Assessment Survey, Sport/Com. Fish
____ '89 Shoreline Clean-Up Program (SAT)
____ '89 Anadromous Fish Stream Authorization, for instream work
____ '89 Stream Treatment Reports
____ '89 Demobilization Reports ____ Bioremediation ____ other
____ '89 RLS Sheet ____ Oil sed. sample ____ Egg sample
____ '89 Fall Walk-a-thon Survey, ADEC
____ '89 Winter Assess. Study Site ____ Winter Stream Survey Form
____ '89 Other Documents _____

____ '90 Pre-Anadscat Survey, multi-assessment form
____ '90 Anadscat Survey
____ '90 Anadromous Fish Stream Evaluation (work order)
____ '90 Anadromous Fish Stream Addendum to work order
____ '90 Shoreline Evaluation, SAT and work order for segment
____ '90 Anadromous Fish Stream Authorization, Title 16 permit
____ '90 Stream Treatment Report
____ '90 ADEC Demobilization Report for Bio
____ '90 ADF&G Oiling Condition Survey, for ASAP use (Aug. survey)
____ '90 ASAP Survey ____ ASAP Rec. ____ ADEC Rec. (Feb)
____ '90 Other Documents _____

ADF&G MULTI-ASSESSMENT DATA FORM

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

2 REGION: PWS KP, CI K, AP

METHOD: Aerial Ground Boat

3 DATE: 4/12/90

15 HIGH TIDE TIMES: 1

21 TEAM RECORDER: TOM CROWE

4 START TIME: 1050

16 HIGH TIDE HTS: 1

22 OBSERVERS: GREG CHANEY (EXAM)

5 STOP TIME: 1059

17 LOW TIDE TIMES: 1

23 AGENCY: ADF&G AJW

6 SEGMENT #: CH016

18 LOW TIDE HTS: 1

24 PHOTOS TAKEN: Y (N)

7 STATION #:

19 TIDE HT AT SURVEY:

Roll #: Frame:

8 K-UNIT:

Ebb Slack Flood Slack

25 VIDEO TAKEN: Y (N) TAPE #:

9 STAT AREA:

20 USCG QUAD:

Start: End:

10 LAT:

11 LONG:

26 SAMPLES TAKEN? Y (N) Number

12 SOURCE: Map Loran

Oil

13 LOCATION:

Sediment

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 (N)

37 CATALOG #: 16258 286-20-16258 AJW

38 STREAM NAME:

39 OIL IN STREAM BED? Y (N)

40 OIL ON STREAM BANKS? Y (N)

30 OVE-ALL OIL IMPACT: N VL (L) M H

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

31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain

42 OIL WITHIN 1 MILE OF STREAM? Y (N)

32 OILED DEBRIS? Y N

Where:

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

43 ANADROMOUS FISH PRESENT? Y N

34 WAVE EXPOSURE: High Moderate Low

44 ANADROMOUS FISH OBSERVATION

35 SUBSTRATE TYPE: Bedrock Boulder X Cobble X

Gravel X Sand Mud/silt

Species Aerial Ground

COMMENTS: LIGHT STAIN ON ROCKY CLIFF ASPHALT BLOB

ON BEACH

FRAME(S)

DESCRIPTION

48 OIL DISTRIBUTION DIAGRAM

CH016
 226-20-16258
 AJW
 TWC
 4/13/90

ASPHALT / TAR
 303

ROCKS

= Sample taken
 = Photo frame # and
 shot direction.

ACE 7236599-15

ASC NUMBER:

SEGMENT NUMBER:

YR CATALOGED:

LOCATION:

STREAM NAME:

KODIAK K-UNIT:

USGS QUADRANGLE:

SHORELINE TYPE:

LOCAL STREAM #:

ALL SEGMENTS:

LATITUDE:

LONGITUDE:

LEGAL: S

ASC NUMBER: 226-20-1625g

SURVEY TYPE:

METHOD:

DATE: 4/12/90

START TIME:

STOP TIME:

TEAM RECORDER:

OBSERVERS:

AGENCY(IES):

PHOTOS TAKEN?

Roll #:

Frames:

VIDEO TAKEN?

Tape Number:

Counter Start:

WAVE EXPOS:

SAMPLES TAKEN?

SAMPLE I.D. NUMBERS: 1.

2.

3.

4.

5.

6.

	LENGTH	WIDTH	M2	%	THICK	PEN	OIL TYPE
SITE 1							A2/TB
SITE 2							ST
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT:

OIL IN STREAM CHANNEL?

OIL ON BEACH WITHIN 50M OF STREAM MOUTH?

SUBSTRATE

Bedrock	Granule
Boulder	Sand
Cobble	Silt
Pebble	Veget.

SPECIES

COUNT

COMMENTS:

ADF&G MULTI-ASSESSMENT DATA FORM

ANA SCAT 90

1 SURVEY TYPE: BS SS DS TS AVS SC-HA MMS PTA

2 REGION: PWS KP,CI K,AP

METHOD: Aerial Ground Boat

3 DATE: 4/25/90

15 HIGH TIDE TIMES: 1500

21 TEAM RECORDER: Tom Crowe

4 START TIME: 1125

16 HIGH TIDE HTS: +11 FT

22 OBSERVERS: Mike Wiedmer

5 STOP TIME: 1148

17 LOW TIDE TIMES: 0830

23 AGENCY: ADF+G

6 SEGMENT #: CH-016

18 LOW TIDE HTS: -4 FT

24 PHOTOS TAKEN: Y N

7 STATION #:

19 TIDE HT AT SURVEY: +3 FT

Roll #: Frames:

8 K-UNIT:

Ebb Slack Flood Slack

25 VIDEO TAKEN: Y N TAPE#:

9 STAT AREA:

20 USCG QUAD: SEW B-3

Start: End:

10 LAT:

11 LONG:

26 SAMPLES TAKEN? Y N Number

12 SOURCE: Map Loran

13 LOCATION: SOUTH CHANAGA ISLAND

14 DESCRIPTION:

Oil
Sediment
Biological
Water

EXTENT OF OIL

	SHORELINE				STREAM			
	L	W	M ²	%	L	W	M ²	%
27 SURFACE COVERAGE	100	50						
28 SURFACE THICKNESS	SLIM							
29 PENETRATION	-0							
30 OVERALL OIL IMPACT:	N	<u>VL</u>	L	M	H			

36 CATALOGED ANAD. FISH STREAM? Y N

37 CATALOG #: 226-20-16258

38 STREAM NAME:

39 OIL IN STREAM BED? Y N

40 OIL ON STREAM BANKS? Y N

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

42 OIL WITHIN 1 MILE OF STREAM? Y N

Where:

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 X Cobble X
Gravel Sand Mud/silt

44 ANADROMOUS FISH OBSERVATION
Species Aerial Ground

COMMENTS: NO TREATMENT

ACE 7236596+15

DESCRIPTION

RECOMMEND: NO TREATMENT

48 OIL DISTRIBUTION DIAGRAM

226-20-16258

CH 016

4/25/90

TWC

#2
*
NO OIL

① *
↑
PIT
NO OIL

STAIN

VERY LIGHT
SPORADIC
STAIN/LOFT

ONLY
RHTY

ASC NUMBER:	SEGMENT NUMBER:	YR CATALOGED:
LOCATION:		
STREAM NAME:		LATITUDE:
KODIAK K-UNIT:	LOCAL STREAM #:	LONGITUDE:
USGS QUADRANGLE:		LEGAL: S
SHORELINE TYPE:	ALL SEGMENTS:	

ASC NUMBER: 226-20-16258
 SURVEY TYPE:
 METHOD:
 DATE: 4/25/90
 START TIME:
 STOP TIME:

TEAM RECORDER:
 OBSERVERS:

AGENCY(IES):

PHOTOS TAKEN?

Roll #:

Frames:

VIDEO TAKEN?

Tape Number:

Counter Start:

WAVE EXPOS:

SAMPLES TAKEN?

SAMPLE I.D. NUMBERS: 1.
 4.

2.
 5.

3.
 6.

	LENGTH	WIDTH	M2	%	THICK	PEN	OIL TYPE
SITE 1							ST/CT
SITE 2							ST/TB
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT:

OIL IN STREAM CHANNEL?

SUBSTRATE

OIL ON BEACH WITHIN 50M OF STREAM MOUTH?

Bedrock	Granule
Boulder	Sand
Cobble	Silt
Pebble	Veget.

SPECIES					
COUNT					

COMMENTS:

CATALOG NUMBER: 2262016258 SEGMENT#: CH016 A LOCATION: CHENEGA ISLAND, NEAR OLD CHENEGA VILLAGE							
DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS
04/12/90	PRE-ANADS CAT	1	SURFACE			AP TB	EAST SIDE: ASPHALT 'BLOB' ON BEACH.
04/12/90	PRE-ANADS CAT	2	SURFACE			ST	LIGHT STAIN ON ROCKY CLIFFS.
MAD vs. OG: COMMENTS: LIGHT STAIN ON ROCKY CLIFF. ASPHALT BLOB ON BEACH. OIL ON STREAM BANKS.							

CATALOG NUMBER: 2262016258 SEGMENT#: CH016 A LOCATION: CHENEGA ISLAND, NEAR OLD CHENEGA VILLAGE							
DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS
04/25/90	ANADSCAT	1	SURFACE			ST PT	EAST SIDE: TAR PATTY AND STAIN.
04/25/90	ANADSCAT	2	SURFACE			ST CT	WEST SIDE: VERY LIGHT SPORADIC STAIN.
MAD vs. OG: COMMENTS: OIL ON STREAM BANKS. RECOMMENDATIONS: NO TREATMENT							

CATALOG NUMBER: 2262016258 SEGMENT#: CH016 A LOCATION: CHENEGA ISLAND, NEAR OLD CHENEGA VILLAGE							
DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS
04/25/90	OG'S ANADSCAT	1	SURFACE	11-50	<.1	CT	EAST SIDE: SPORADIC COAT IN MITZ.

04/25/90	OG'S ANADSCAT	2	SURFACE	11-50	<.1	ST	WEST SIDE: SPORADIC STAIN IN MITZ.
04/25/90	OG'S ANADSCAT	3	SURFACE	1		PT	EAST SIDE: 1 TAR PATTY - UITZ.
04/25/90	OG'S ANADSCAT	4	SUBSURF			NONE	2 PITS DUG - NO OIL ENCOUNTERED.

MAD vs. OG: NO CONFLICTS
COMMENTS:

CATALOG NUMBER: 2262016258 SEGMENT#: CH016 A LOCATION: CHENEGA ISLAND, NEAR OLD CHENEGA VILLAGE							SEQ:
DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS
04/12/90	PRE-ANADS CAT	1	SURFACE			AP TB	ASPHALT 'BLOB' ON BEACH. <i>-east side</i>
04/12/90	PRE-ANADS CAT	2	SURFACE			ST	LIGHT STAIN ON ROCKY CLIFFS.
MAD vs. OG: COMMENTS: LIGHT STAIN ON ROCKY CLIFF. ASPHALT BLOB ON BEACH. OIL ON STREAM BANKS.							

CATALOG NUMBER: 2262016258 SEGMENT#: CH016 A LOCATION: CHENEGA ISLAND, NEAR OLD CHENEGA VILLAGE							SEQ:
DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS
04/25/90	ANADSCAT	1	SURFACE			ST PT	EAST SIDE: TAR PATTY AND STAIN.
04/25/90	ANADSCAT	2	SURFACE			ST CT	WEST SIDE: VERY LIGHT SPORADIC STAIN.
MAD vs. OG: COMMENTS: OIL ON STREAM BANKS. RECOMMENDATIONS: NO TREATMENT							

CATALOG NUMBER: 2262016258 SEGMENT#: CH016 A LOCATION: CHENEGA ISLAND, NEAR OLD CHENEGA VILLAGE							SEQ:
DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS
04/25/90	OG'S ANADSCAT	1	SURFACE	11-50	<.1	CT	EAST SIDE OF STREAM - SPORADIC COAT IN MITZ.

04/25/90	OG'S ANADSCAT	2	SURFACE	11-50	<.1	ST	WEST SIDE OF STREAM - SPORADIC STAIN IN MITZ.
04/25/90	OG'S ANADSCAT	3	SURFACE	1		PT	EAST SIDE OF STREAM - 1 TAR PATTY - UITZ.
04/25/90	OG'S ANADSCAT	4	SUBSURF			NONE	2 PITS DUG - NO OIL ENCOUNTERED.

MAD vs. OG: NO CONFLICTS
COMMENTS:

CATALOG NUMBER: 2262016258

STREAM NAME:

LOCATION: CHENEGA ISLAND, NEAR OLD CHENEGA VILLAGE

SEGMENT NUMBER: CH016 A

SHORELINE TYPE:

DATE: 04/12/90 TIME: BEACH-1059

SITE	WIDTH (m)	LENGTH (m)	AREA (sqm)	PERCENT OIL	THICKNESS (cm)	PENETRATION (cm)	SURFACE SUBSURF	OIL TYPES	COMMENTS
1							SURFACE	AP TB	
2							SURFACE	ST	

COMMENTS:

LIGHT STAIN ON ROCKY CLIFF. ASPHALT BLOB ON BEACH.

STREAM BANKS: YES

MILE OF STREAM: NO

OIL ON
OIL WITHIN 1

CATALOG NUMBER: 2262016258

STREAM NAME:

LOCATION: CHENEGA ISLAND, NEAR OLD CHENEGA VILLAGE

SEGMENT NUMBER: CH016 A

SHORELINE TYPE:

DATE: 04/25/90 TIME: BEACH-1148

SITE	WIDTH (m)	LENGTH (m)	AREA (sqm)	PERCENT OIL	THICKNESS (cm)	PENETRATION (cm)	SURFACE SUBSURF	OIL TYPES	COMMENTS
1							SURFACE	ST ST PT	East side of stream - 1 tarpally stain
2							SURFACE	ST/CT	west side of stream - very light sporadic stain

COMMENTS:

RECOMMENDATIONS: NO TREATMENT

STREAM BANKS: YES

OIL ON

ADF&G MULTI-ASSESSMENT DATA FORM

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

2 REGION: PWS KP, CI K, AP

METHOD: Aerial Ground Boat

3 DATE: 4/25/90

15 HIGH TIDE TIMES: 1500

21 TEAM RECORDER: Tom Crowe

4 START TIME: 1125

16 HIGH TIDE HTS: +11 FT

22 OBSERVERS: Mike Wiedmer

5 STOP TIME: 1148

17 LOW TIDE TIMES: 0830

23 AGENCY: ADF+G

6 SEGMENT #: CH-016

18 LOW TIDE HTS: -4 FT

24 PHOTOS TAKEN: Y N

7 STATION #: _____

19 TIDE HT AT SURVEY: +3 FT

Roll #: _____ Frame: _____

8 K-UNIT: _____

Ebb Slack Flood Slack

25 VIDEO TAKEN: Y N TAPE#: _____

9 STAT AREA: _____

20 USCG QUAD: SEW B-3

Start: _____ End: _____

10 LAT: _____

11 LONG: _____

26 SAMPLES TAKEN? Y N Number _____

12 SOURCE: Map Loran

Oil _____

13 LOCATION: SOUTH CAROLINA ISLAND

Sediment _____

14 DESCRIPTION: _____

Biological _____

Water _____

EXTENT OF OIL

	SHORELINE				STREAM			
	L	W	M ²	%	L	W	M ²	%
27 SURFACE COVERAGE	100	50						
28 SURFACE THICKNESS	SPAW							
29 PENETRATION	-0-							

36 CATALOGED ANAD. FISH SREAM? Y N

37 CATALOG #: 226-20-16258

38 STREAM NAME: _____

39 OIL IN STREAM BED? Y N

40 OIL ON STREAM BANKS? Y N

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

42 OIL WITHIN 1 MILE OF STREAM? Y N

30 OVERALL OIL IMPACT: N VL L M H

31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain

32 OILED DEBRIS? Y N

Where: _____

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

43 ANADROMOUS FISH PRESENT? Y N

34 WAVE EXPOSURE: High Moderate Low

44 ANADROMOUS FISH OBSERVATION
Species Aerial Ground

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

COMMENTS: NO TREATMENT

ACE 7236596+15

FRAME(S)

DESCRIPTION

RECOMMEND: NO TREATMENT

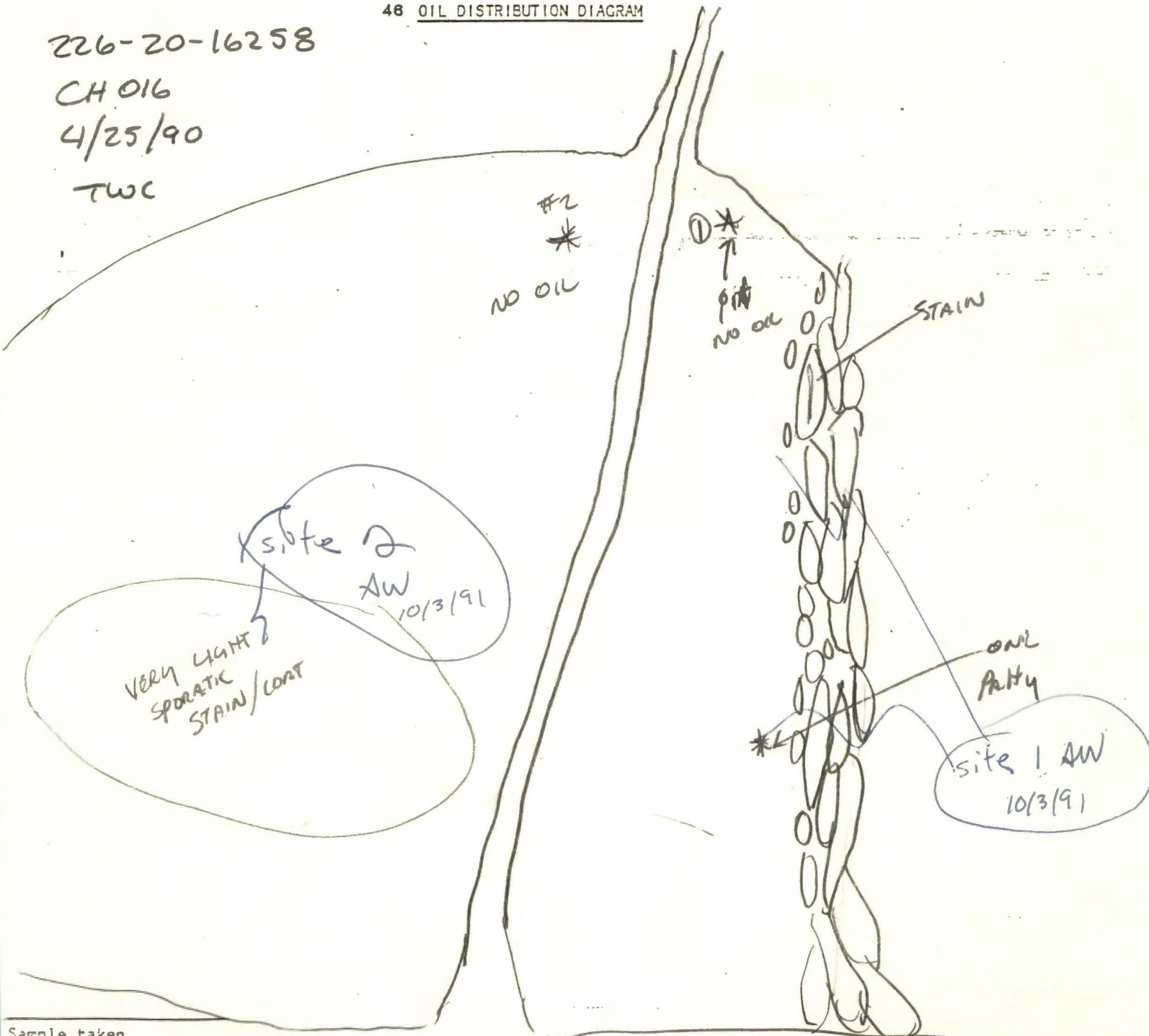
48 OIL DISTRIBUTION DIAGRAM

226-20-16258

CH 016

4/25/90

TWC



ANADROMOUS FISH STREAM EVALUATION

SEGMENT ST/ CH-16 STREAM NO: 226-20-16258 DATE 4/25/90

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)
1K Purse seine hook-off (7/20 to 9/30)
6Y Recreation: Special use destination
9BB Privately Developed Lands

See attached Ecological Constraint sheet for specific constraints and contacts.

SUBDIVISION ECOLOGICAL CONSTRAINTS:

Avoid any unnecessary disturbance or damage to uncoiled biota and substrate. Subject stream is located within Subdivision A (1 of 1).

ARCHAEOLOGICAL CONSTRAINTS:

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

SHPO SIGNATURE: [Signature] DATE: 5/8/90

Subsurface Oil Observed: Yes No X Maximum Depth

RECOMMENDATIONS:

<u>X</u> No Treatment Recommended	<u> </u> Snare/Absorbent Booms
<u> </u> Treatment Recommended	<u> </u> Oil Snares (pom poms)
<u> </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:

TAG COMMENTS:

TAG APPROVAL DATE: 5/7/90
ADEC ART WIGNER
EXXON ANDY TATE
NOAA Gary Petrac
USCG G.A. REITER

FOSC: my L DATE: 5-18-90

*PROCESSED
5-7-90
MK*

RECEIVED
MAY 03 1990

DEPT. OF
ENVIRONMENTAL CONSERVATION

ANADROMOUS FISH STREAM ASSESSMENT

REGION: PRINCE WILLIAM SOUND

SEGMENT: CH-16

STREAM NO: 226-20-16258

concur

ACE 7236576

ANADROMOUS FISH STREAM EVALUATION

SEGMENT ST/ CH-16 STREAM NO: 226-20-16258 DATE 4/25/90

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)
1K Purse seine hook-off (7/20 to 9/30)
6Y Recreation: Special use destination
9BB Privately Developed Lands

See attached Ecological Constraint sheet for specific constraints and contacts.

SUBDIVISION ECOLOGICAL CONSTRAINTS:

Avoid any unnecessary disturbance or damage to unoiled biota and substrate. Subject stream is located within Subdivision A (1 of 1).

ARCHAEOLOGICAL CONSTRAINTS:

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

SHPO SIGNATURE: _____ DATE: _____

Subsurface Oil Observed: Yes _____ No X Maximum Depth _____

RECOMMENDATIONS:

<u>X</u> 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: _____

TAG COMMENTS: _____

TAG APPROVAL DATE: _____

ADEC _____
EXXON _____
NOAA _____
USCG _____

FOSC: _____ DATE: _____

- ✓ 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 Kotai 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 (6/9 to 10/1)
 East side Kodiak, East side Afognak (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 (8/15 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 (6/1 to 9/15)
 6V Anchorages (6/1 to 9/15)
 6W Forest Service cabins (6/1 to 9/15)
 6X Lodge (6/1 to 9/15)
 ✓ 6Y Special use destination
- 7Z Subistence area: Salmon harvesting (6/1 to 9/30)
 7HH Finfish harvesting
 7H Deer harvesting (6/1 to 1/7)
 7JJ Invertebrate harvesting
 7KK 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

25/54

FIELD SHORELINE COMMENT SHEET

SEGMENT ST/ CH 016 SUBDIVISION: 16258 DATE 4/25/90

USCG

NAME CWO MR. MATHON SIGNATURE [Signature]

☒ NO TREATMENT RECOMMENDED
COMMENTS

☐ TREATMENT SUGGESTED

ADFG

ADEC

NAME Tom Crowe SIGNATURE [Signature]

☒ NO TREATMENT RECOMMENDED
COMMENTS

☐ TREATMENT SUGGESTED

VERY LIGHT STAIN ONLY.

LAND MANAGER

NAME _____ SIGNATURE _____

☐ NO TREATMENT RECOMMENDED
COMMENTS

☐ TREATMENT SUGGESTED

ACE 7236579

ASC # 226-42-16280

Segment CH-001

Observations A tar band covering a gravel substrate extends along the high tide line south of the channel. This band has not appreciably weathered since ADF&B staff visited the site in early December. No other oil, either surface or subsurface, was observed at the site.

Treatment Recommendations Manually remove the tar band.

ASC # 226-20-16258

Segment CH-016

Observations One tar patty was found along the boulder rubble east of the channel. A very light and sporadic stain coated a region of the lower and mid intertidal zone west of the channel. No significant amounts of subsurface oil were observed.

Treatment Recommendations The insignificant quantities observed at the site do not warrant further treatment.

ASC # 226-20-16255

Segment CH-014

Observations Sporadic tar mats and patties coat cobbles along high tide line of this moderately exposed site. Some of the patties lie just beneath the surface (see ADF&B Multi-Assessment Data Form diagram).

Treatment Recommendations Manual removal of tar mats and patties. Care must be taken to ensure that buried tar patties are removed.

SHORELINE OILING SUMMARY (ANAD.)

REVISION NO. 0

OG William Reid USCG McMAHON SEGMENT ST/ CH016 20/54
 BIO MICHAEL FAWCETT LAND REP STRAN 22620-K291 OF
 EXXON Gus Garcia ADFG Mike Wiermer TIME 11:25 to
 TEAM NO. 15 TIDE LEVEL +5 FT DATE 25 / APR / 90
 EST. SUBDIVISION LENGTH: 55 m ☒ Sun ☐ Clouds ☐ Fog ☐ Rain ☐ Snow
 UPLANDS DESCRIPTION: ☒ Grass ☒ Forest ☒ Rock
 SURVEYED FROM: ☒ Foot ☐ Boat ☐ Helo
 SURFACE SEDIMENTS: R 0 % B 0 % C 60 % P 30 % G 0 % S 0 % M 0 % V 0
 SLOPE: Long 90 % Hang 10 % Vert 0 % WAVE EXPOSURE: ☐ Low ☒ Med ☐ Hig
 OIL CATEGORY LENGTH: W 0 m M 0 m N 0 m VL 35 m NO 20

SURFACE OIL

CHARACTER	DISTRIBUTION				OIL / FILM COLOR					IMPACTED ZONES			
	N	E	S	W	1	2	3	4	5	SW	SE	NE	NW
ASPHALT PAVEMENT													
POOLED													
COVER													
COAT				X	X	X				X			
STAIN			X		X					X			
MOUSSE													
PATTIES													
TARBALLS													
FILM													
NO OIL										X		X	X

PAVEMENT H F S 0 sq. m by 0PATTIES / TARBALLS 0 BNEAR SHORE SHEEN? ☒ NO BR RW SL

OILED DEBRIS	AMOUNT		
	SM	MD	LG
Logs			
Vegetation			
Trash			
Debris			

Did You Col

DEBRIS

☐ YES ☒ NO

TYPE

#BAGS

Photographs:

Roll No. 0Frames 0

SUBSURFACE OIL

PIT NO.	PIT DEPTH (cm)	SUBSURFACE OIL CHARACTER					OILED INTERVAL	BELOW		OIL / FILM COLOR					PIT ZONE				A N A	SHEEN (Y/N)	↓	SURFA SUBSUR SEDIME
		OP	OR	OL	OF	NO		NO	NO	1	2	3	4	5	SW	SE	NE	NW				
1	35					X	•								X					N		P/C/L
2	30					X	•								X					N		P/C/L
							•															
							•															
							•															
							•															
							•															

COMMENTS

REVIEWED JWDATE 4-27-90

ACE 7236581

OG WILLIAM REID
SEGMENT ST/ CHD16

STREAM 226-20-16258

DATE 25/10/90

CHECKLIST

- ☐ N Arrow
- ☐ Approx. Scale
- ☐ Seg/Sub Entry
- ☐ Oil Det.
- ☐ Width
- ☐ Length
- ☐ % Cover
- ☐ Substrate Character
- ☐ Est. NWLAWL
- ☐ SSL
- ☐ Profile Location(s)
- ☐ Profile(s)
- ☐ Pit Location(s)
- ☐ Photo Location(s)

LEGEND

- 1 Δ
PH - No Subsurface Oil
- 2 Δ⁺
PH - Subsurface Oil
- CT/C
Continuous Distribution
- CT/B
Broken Distribution
- CT/P
Patchy Distribution
- CT/S
Splashed Distribution
- eee
Oiled Vegetation
- 1 ⇨
Photo location, direction, and number

Film AS-15-6

SKETCH MAP



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

ACE 7236582

ACFAG MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: SS SS CS TS AVS SCIA MMS PTA 2 REGION: PMS KP, CI K, AP

METHOD: Aerial Ground Boat

3 DATE: 4/25/90 15 HIGH TIDE TIMES: 1500 21 TEAM RECORDER: TOM CROWT

4 START TIME: 1125 16 HIGH TIDE HTS: +11 FT 22 OBSERVERS: MIKE WIEDMER

5 STOP TIME: 1148 17 LOW TIDE TIMES: 0830 23 AGENCY: ADF+G

6 SEGMENT #: CH-016 18 LOW TIDE HTS: -4 FT 24 PHOTOS TAKEN: Y 10

7 STATION #: _____ 19 TIDE HT AT SURVEY: +3 FT Roll #: _____ Frames: _____

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

9 STAT AREA: _____ 26 USCG QUAD: SEW 8-3 Starts: _____ Ends: _____

10 LAT: _____ 11 LONG: _____ 26 SAMPLES TAKEN: Y N Number

12 SOURCE: Map Loran 011 _____

13 LOCATION: SOUTH CRANEA ISLAND Sediment: _____

14 DESCRIPTION: _____ Biological: _____

Water: _____

EXTENT OF OIL

	SHORELINE				STREAM			
	L	N	N ²	S	L	N	N ²	S
27 SURFACE COVERAGE	100	50						
28 SURFACE THICKNESS	5mm							
29 PENETRATION	-0							
30 OVERALL OIL IMPACT:	N	<u>VL</u>	L	M	N			
31 OIL TYPE:	Pooled	Helium	Tar	Asphalt	<u>Sticky</u>	<u>Stain</u>		
32 OILED DEBRIS	Y	<u>1</u>						
33 SHORELINE TYPE:	Headland	Low-lying Rocks	<u>Beach</u>	<u>Cove</u>				
		Lagoon	Marsh					
34 WAVE EXPOSURE:	High	<u>Moderate</u>	Low					
35 SUBSTRATE TYPE:	Bedrock	_____	Boulder	<u>X</u>	Cobble	<u>X</u>		
	Gravel	_____	Sand	_____	Mud/silt	_____		

36 CATALOGED ANAD. FISH BREAST Y N

37 CATALOG #: 226-20-16258

38 STREAM NAME: _____

39 OIL IN STREAM BED? Y N

40 OIL ON STREAM BANKS? Y N

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

42 OIL WITHIN 1 MILE OF STREAM Y N

Where: _____

43 ANADROMOUS FISH PRESENT? Y N

44 ANADROMOUS FISH OBSERVATION

Species	Aerial	Ground

COMMENTS: NO TREATMENT

ACE 7236583

24/5

FRAME(S)	DESCRIPTION
	RECOMMEND: NO TREATMENT T. Ag. 11/4/90

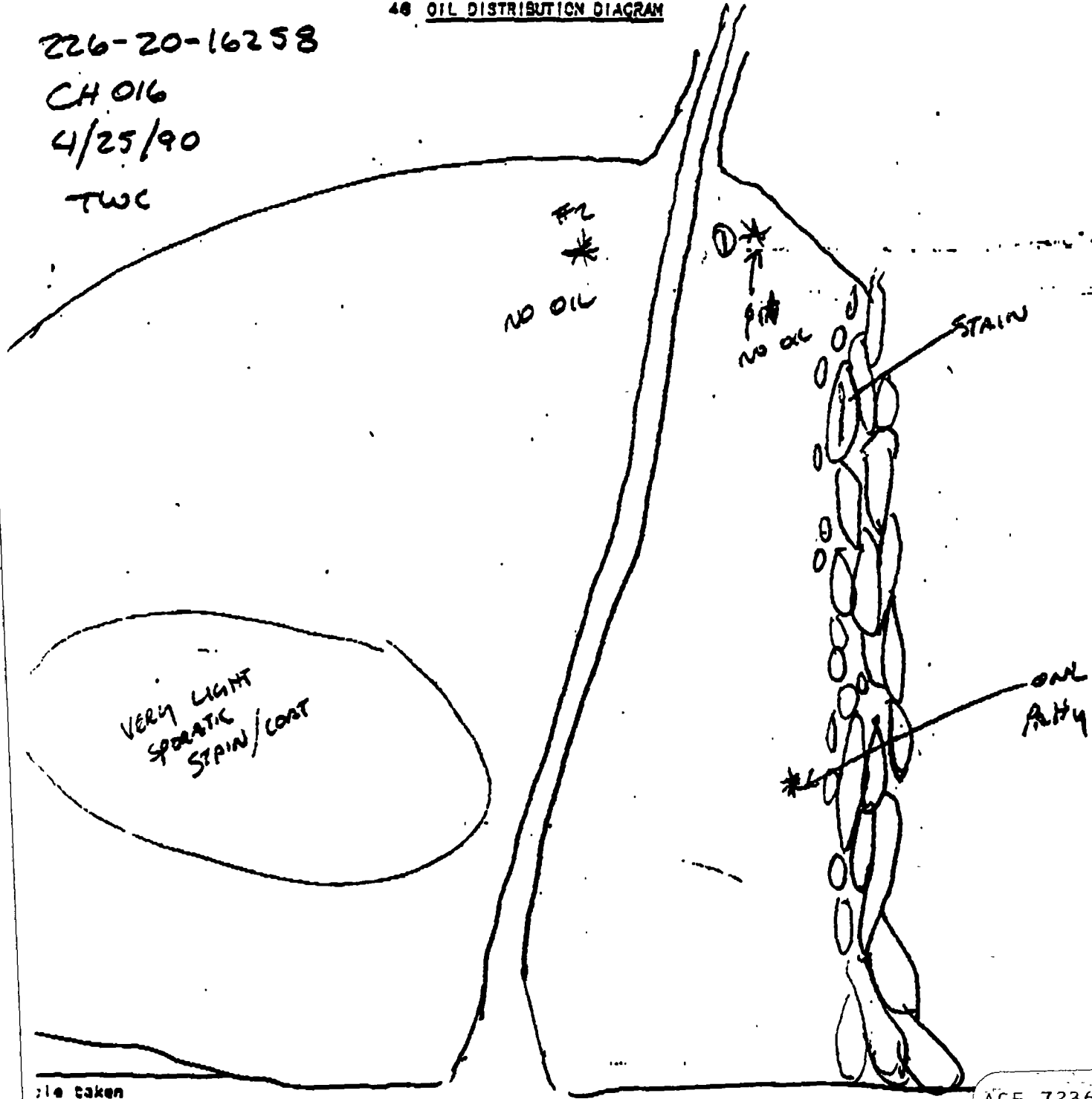
48 OIL DISTRIBUTION DIAGRAM

226-20-16258

CH 016

4/25/90

TWC

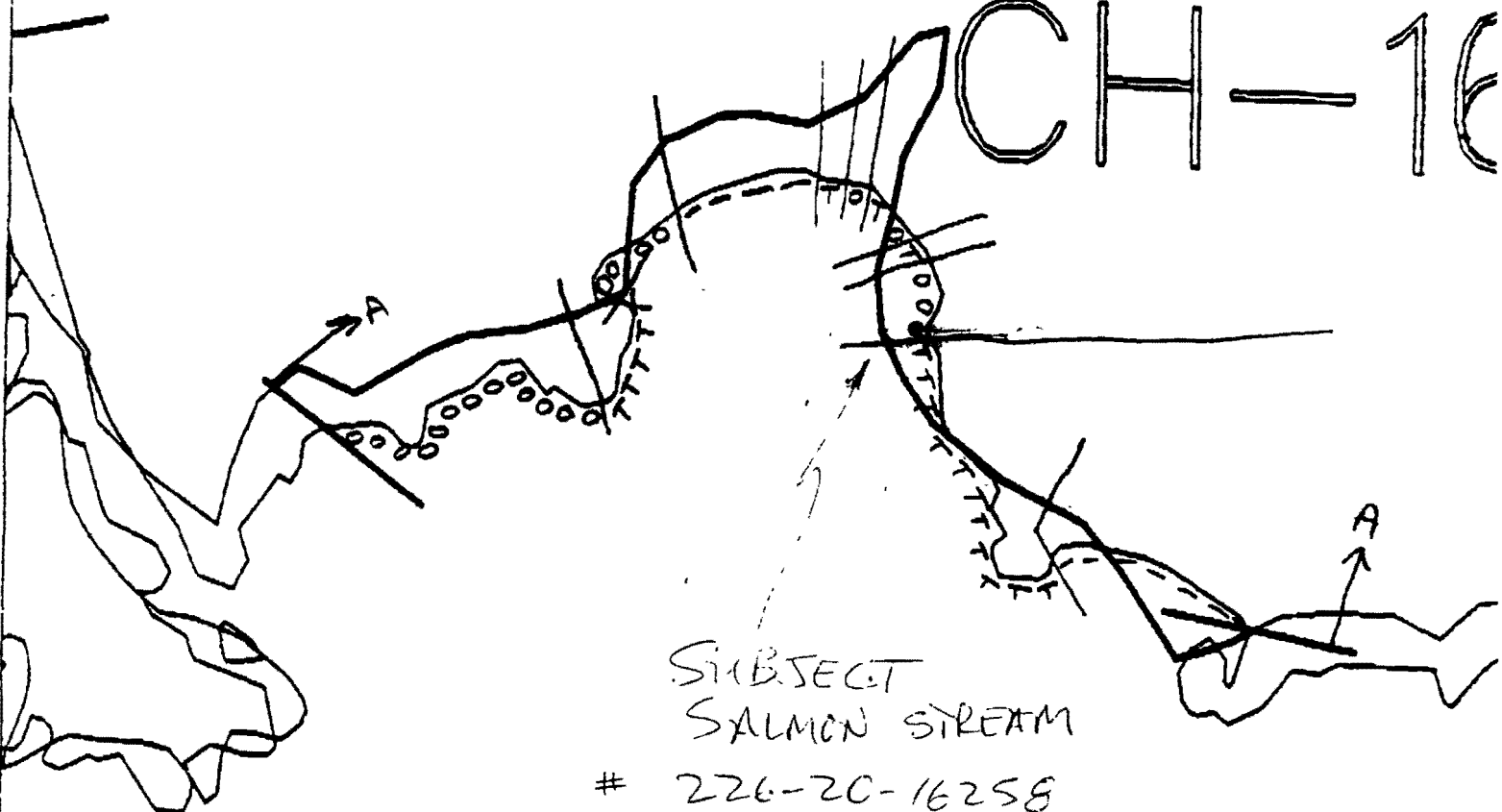


File taken
to frame # and
direction.

ECOLOGICAL MAP

1A, 1B
1K
6Y
1EE

CH-16



SUBJECT
SALMON STREAM

226-20-16258
(P, 2/90)

CH-16-A (1 of 1)

19/39

XXXX Wide

//// Medium

--- Narrow

TTTT Very Light

0000 No Oil

CH-16

ADEC Segment Length: 1576m



Map Key: PWS-42

Name: Randy Siegel

Date: 4/19/90

Date Entered:

ACE 7236585 2/5

ADW
PCONASCAT-90

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: 4/12/90 15 HIGH TIDE TIMES: 1

4 START TIME: 1050 16 HIGH TIDE HTS: 1

5 STOP TIME: 1059 17 LOW TIDE TIMES: 1

6 SEGMENT #: CH016 18 LOW TIDE HTS: 1

7 STATION #: 19 TIDE HT AT SURVEY:

8 K-UNIT: Ebb Slack Flood Slack

9 STAT AREA: 20 USCG QUAD:

10 LAT: 11 LONG:

12 SOURCE: Map Loran

13 LOCATION:

14 DESCRIPTION:

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 X Cobble X

Gravel X Sand Mud/silt

21 TEAM RECORDER: TOM CROWL

22 OBSERVERS: GREG COWLEY (EXAM)

23 AGENCY: ADF&G ADW

24 PHOTOS TAKEN: Y (N)

Roll #: Frame:

25 VIDEO TAKEN: Y (N) TAPE#:

Start: End:

26 SAMPLES TAKEN? Y (N) Number

Oil

Sediment

Biological

Water

36 CATALOGED ANAD. FISH STREAM? (Y) N

37 CATALOG #: 16258 28620-16258 ADW

38 STREAM NAME:

39 OIL IN STREAM BED? Y (N)

40 OIL ON STREAM BANKS? (Y) N

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

(within 50 meters)

42 OIL WITHIN 1 MILE OF STREAM? Y (N)

Where:

43 ANADROMOUS FISH PRESENT? Y N

44 ANADROMOUS FISH OBSERVATION

Species Aerial Ground

COMMENTS: LIGHT STAIN ON ROCKY CLIFF ASPHALT BLOB

ON BEACH

ACE 7236598+15

FRAME(S)

DESCRIPTION

46 OIL DISTRIBUTION DIAGRAM

CH016
226-20-16258
AJW
TWC
4/13/90

OSPHACT / TAR
BLOB

ROCKS

= Sample taken
= Photo frame # and
shot direction.

ACE 7236599-15

OPERATIONS FIELD NOTES

See Back for Instructions

22/57

SEGMENT ID ANAD CH-016
 STREAM ID # 226-20-16258
 ANNOTATED MAP INCLUDED Y/N

DATE 4-25-90
 NAME GARCIA
 TEAM # 15

SURFACE OIL	Quantities in Meters			None	Treatment Recommendation					
	Length	Width	Area		Bioremediation		Tilling		Spot Hot Water	
					Y/N	% Treat	Y/N	% Treat	Y/N	% Treat
Wide Band	VERY SPORADICALLY			NONE						
Medium Band	STAINED, LESS THAN									
Narrow Band	1 %.									
Very Light										
			TOTAL MANDAYS		0		0		0	

SUBSURFACE OIL - NONE

Other (Describe)?	

TARMATS	Quantities in Meters			Treatment Rec			# of Bags	Mandays Required	
	Length	Width	Thick(cm)	None	Breakup	Remove		Breakup	Remove
Area #1	ONE SMALL TAR PATTY			✓					
Area #2	WAS BROKEN & SPREAD								
Area #3									
Area #4									
Sporadic Mats									

MANUAL PICKUP	Type of Debris			In Meters		# of Bags	Pickup Y/N	Manday Estimate
	Mousse Tarballs	Oiled Veget	Cleanup Debris	Length	Width			
"Pocket" #1								
"Pocket" #2								
"Pocket" #3	NONE							
Random/Continuous								

OILED LOGS <u>Y/N</u>	OILING <u>H/M/L</u>	QUANTITY <u>L/M/S</u>	BURN <u>Y/N</u>
-----------------------	---------------------	-----------------------	-----------------

Is there Other Debris on the Beach? Y/N How Many Bags? — Is it mingled with the Oiled Debris Y/N

GENERAL Snow covering 5 % of the Supratidal Zone?

Wave Exposure H/M/L Access Limitations: NONE

Snare Boom/Pom Poms Recommended? NO

Would the production Craft have to be relocated to complete work on this subdivision? Y/N # of Times —

COMMENTS:

NO TREATMENT RECOMMENDED FOR THIS STREAM.

23/91

ADF&G MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: BS SS CS TS AVS SCH MMS PTA 2 REGION: PWS KP,CI K,AP

METHOD: Aerial Ground Boat

3 DATE: 4/25/90 15 HIGH TIDE TIMES: 1500 21 TEAM RECORDER: Tom Crowe

4 START TIME: 1125 16 HIGH TIDE HTS: +11 FT 22 OBSERVERS: Mike Wiedmer

5 STOP TIME: 1148 17 LOW TIDE TIMES: 0830 23 AGENCY: ADF&G

6 SEGMENT #: CH-016 18 LOW TIDE HTS: -4 FT 24 PHOTOS TAKEN: Y N

7 STATION #: _____ 19 TIDE HT AT SURVEY: +3 FT Roll #: _____ Frame: _____

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

9 STAT AREA: _____ 20 USCG QUAD: SEW 8-3 Start: _____ End: _____

10 LAT: _____ 11 LONG: _____ 26 SAMPLES TAKEN? Y N Number _____

12 SOURCE: Map Loran 011 _____

13 LOCATION: SOUTH CAROLINA ISLAND Sediment _____

14 DESCRIPTION: _____ Biological _____

Water _____

EXTENT OF OIL

	SHORELINE				STREAM			
	L	M	M ²	%	L	M	M ²	%
27 SURFACE COVERAGE	100	50						
28 SURFACE THICKNESS	SLIM							
29 PENETRATION	-0-							

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 X Cobble X Gravel _____ Sand _____ Mud/silt _____

36 CATALOGED ANAD. FISH STREAM? Y N

37 CATALOG #: 226-20-16258

38 STREAM NAME: _____

39 OIL IN STREAM BED? Y N

40 OIL ON STREAM BANKS? Y N

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

42 OIL WITHIN 1 MILE OF STREAM? Y N Where: _____

43 ANADROMOUS FISH PRESENT? Y N

44 ANADROMOUS FISH OBSERVATION

Species	Aerial	Ground

COMMENTS: NO TREATMENT

ACE 7236587

[illegible]

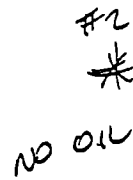
RECOMENDACION: NO TREATMENT I 2500. 11/11/2011

226-20-16258

CH 016

4/25/90

TWC



① *

pit
no al

STAIN

VERY LIGHT
SPORADIC
STAIN / LOT

only
RHY

sample taken
photo frame # and
not direction.

ACE 7236588

FIELD SHORELINE COMMENT SHEET

25/84

SEGMENT ST 1 CH 016 SUBDIVISION: 16258 DATE 4/25/90

USCG

NAME CWO MC NATHAN SIGNATURE [Signature]

☒ NO TREATMENT RECOMMENDED
COMMENTS

☐ TREATMENT SUGGESTED

ADFG

ADEC

NAME TOM CROWE SIGNATURE [Signature]

☒ NO TREATMENT RECOMMENDED
COMMENTS

☐ TREATMENT SUGGESTED

VERY LIGHT STAIN ONLY.

LAND MANAGER

NAME _____ SIGNATURE _____

☐ NO TREATMENT RECOMMENDED
COMMENTS

☐ TREATMENT SUGGESTED

ACE 7236589

SHORELINE OILING SUMMARY (ANAD.)

REVISION NO. 04/1

OG WILLIAM REID USCG McMAHON ELEMENT ST/ CH016 20/91
 BIO MICHAEL FAWCETT LAND REP STREAM 226-20-K281 OF 11:25 to
 EXXON GUS GARCIA ADFG MIKE WIEDMER TIME 11:25 to
 TEAM NO. 15 TIDE LEVEL +5 FT DATE 25 APR 1990
 EST. SUBDIVISION LENGTH: 55 m ☒ Sun ☐ Clouds ☐ Fog ☐ Rain ☐ Snow
 UPLANDS DESCRIPTION: ☒ Grass ☒ Forest ☒ Rock
 SURVEYED FROM: ☒ Foot ☐ Boat ☐ Helo
 SURFACE SEDIMENTS: R 0 % B 0 % C 60 % P 30 % G 0 % S 0 % M 0 % V
 SLOPE: Lang 90 % Hang 10 % Vert 0 % WAVE EXPOSURE: ☐ Low ☒ Med ☐ High
 OIL CATEGORY LENGTH: W 0 m M 0 m N 0 m VL 35 m NO 20

SURFACE OIL

CHARACTER	DISTRIBUTION				OIL / FILM COLOR								IMPACTED ZONES			
	TC	FB	FP	FS	SP	RP	DR	GR	OR	TL	LR	BR	SU	U	M	LI
ASPHALT PAVEMENT																
POOLED																
COVER																
COAT				X			X						X			
STAIN				X			X						X			
MOUSSE																
PATTIES																
TARBALLS																
FILM																
NO OIL																

PAVEMENT H F S 0 sq. m by 0PATTIES / TARBALLS 0 BAGNEAR SHORE SHEEN? (NO) BR RW SL TL

OILED DEBRIS	AMOUNT		
	SM	MD	LG
Logs			
Vegetation			
Trash			
Debris			

Did you COLLECT

DEBRIS

☐ YES ☒ NOTYPE 0#BAGS 0

Photographs:

Roll No. 0Frames 0

SUBSURFACE OIL

PIT NO.	PIT DEPTH (cm)	SUBSURFACE OIL CHARACTER					OILED INTERVAL (CM)	BELOW		OIL / FILM COLOR								PIT ZONE				A N A	SHEEN (Y/N)	SURFACE SUBSURFACE SEDIMENT
		OP	OR	OL	OF	NO		UO	UC	SB	BR	DR	GR	OR	TL	LR	BR	SU	U	M	LI			
1	35					X												X					N	P/C/G
2	30					X												X					N	P/C/G

COMMENTS

REVIEWED 0 DATE 0

ACE 7236590

1514

OG WILLIAM REID

SEGMENT ST/ CA016

STREAM 226-20-16258

DATE 25 APR 90

CHECKLIST

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

LEGEND

- 1 Δ
Plt - No Subsurface Oil
- 2 $\blacktriangle$
Plt - Subsurface Oil
- $\boxed{CT/C}$
Continuous Distribution
- $\boxed{CT/B}$
Broken Distribution
- $\boxed{CT/P}$
Patchy Distribution
- $\boxed{CT/S}$
Splashed Distribution
- $\lll$
Oiled Vegetation
- 1 $\rightarrow$
Photo location, direction, and number

ACE 7236591

SKETCH-MAP



SSAT DATA ENTRY FORM

PAGE 1 OF 2

GENERAL DATA

SEG ID: CH016 ²²⁶⁻²⁰⁻ SUBDIV: 16258 TEAM: AS-15 SURVEY DATE: 4/25/90
PAVEMENT: CHAR — AREA 0 THICKNESS 0 TARBALLS 0
OILED: LGS — VEG — TRH — DBR — WAVE EXP: LW — MD X HG —
FAX RCVD: — DT: — AGENCY DISAGREE: —
EST SUBDIV LGTH: 55 OIL CATEGORY: W 0 M 0 N 0 VL 35 NO 20 U 0

SURFACE DATA

SURFACE SEDIMENT: BRK 0 BLD 10 COB 60 PEB 30 GRN 0 SAN 0 MUD 0 VEG 0

CHAR #: 1 OIL CHAR: CT OIL DIST: CONT — BRKN — PTCH — SPLH X
OIL CLR: DBL FILM CLR: — TIDAL ZONE: SU — UI X MI — LI —

CHAR #: 2 OIL CHAR: ST OIL DIST: CONT — BRKN — PTCH — SPLH X
OIL CLR: GY FILM CLR: — TIDAL ZONE: SU — UI X MI — LI —

CHAR #: — OIL CHAR: — OIL DIST: CONT — BRKN — PTCH — SPLH —
OIL CLR: — FILM CLR: — TIDAL ZONE: SU — UI — MI — LI —

CHAR #: — OIL CHAR: — OIL DIST: CONT — BRKN — PTCH — SPLH —
OIL CLR: — FILM CLR: — TIDAL ZONE: SU — UI — MI — LI —

CHAR #: — OIL CHAR: — OIL DIST: CONT — BRKN — PTCH — SPLH —
OIL CLR: — FILM CLR: — TIDAL ZONE: SU — UI — MI — LI —

CHAR #: — OIL CHAR: — OIL DIST: CONT — BRKN — PTCH — SPLH —
OIL CLR: — FILM CLR: — TIDAL ZONE: SU — UI — MI — LI —

CHAR #: — OIL CHAR: — OIL DIST: CONT — BRKN — PTCH — SPLH —
OIL CLR: — FILM CLR: — TIDAL ZONE: SU — UI — MI — LI —

CHAR #: — OIL CHAR: — OIL DIST: CONT — BRKN — PTCH — SPLH —
OIL CLR: — FILM CLR: — TIDAL ZONE: SU — UI — MI — LI —

SSAT DATA ENTRY FORM

SUBSURFACE DATA

PAGE 2 OF 2

SEGMENT ID: C#016 SUBDIV: 226-20-16258

PIT # 1 PIT DEPTH 35 OIL CHARACTER — OIL INTVAL: FROM 0 TO 0
QUANT: — OIL CLR: — FLM CLR: — ZONE: SU — UI X MI — LI —
SUBSURF SEDIMENT: BRK — BLD — COB X PEB X GRN X SAN — MUD — VEG —

PIT # 2 PIT DEPTH 30 OIL CHARACTER - OIL INTVAL: FROM 0 TO 0
QUANT: - OIL CLR: - FLM CLR: - ZONE: SU - UI X MI - LI -
SUBSURF SEDIMENT: BRK - BLD - COB X PEB X GRN X SAN - MUD - VEG -

PIT # _____ PIT DEPTH _____ OIL CHARACTER _____ OIL INTVAL: FROM _____ TO _____
 QUANT: _____ OIL CLR: _____ FLM CLR: _____ ZONE: SU _____ UI _____ MI _____ LI _____
 SUBSURF SEDIMENT: BRK _____ BLD _____ COB _____ PEB _____ GRN _____ SAN _____ MUD _____ VEG _____

PIT # PIT DEPTH OIL CHARACTER OIL INTVAL: FROM TO
 QUANT: OIL CLR: FLM CLR: ZONE: SU UI MI LI
 SUBSURF SEDIMENT: BRK BLD COB ~~PEB~~ GRN SAN MUD VEG

PIT # _____ PIT DEPTH _____ OIL CHARACTER _____ OIL INTVAL: FROM _____ TO _____
 QUANT: _____ OIL CLR: _____ FLM CLR: _____ ZONE: SU _____ UI _____ MI _____ LI _____
 SUBSURF SEDIMENT: BRK BLD COB PEB GRN SAN MUD VEG

PIT # PIT DEPTH OIL CHARACTER OIL INTVAL: FROM TO
QUANT: OIL CLR: FLM CLR: ZONE: SU UI MI LI
SUBSURF SEDIMENT: BRK BLD COB PEB GRN SAN MUD VEG

PIT # PIT DEPTH OIL CHARACTER OIL INTVAL: FROM TO
QUANT: OIL CLR: FLM CLR: ZONE: SU UI MI LI
SUBSURF SEDIMENT: BRK BLD COB PEB GRN SAN MUD VEG

PIT # PIT DEPTH OIL CHARACTER OIL INTVAL: FROM TO
QUANT: OIL CLR: FLM CLR: ZONE: SU UI MI LI
SUBSURF SEDIMENT: BRK BLD COB PEB GRN SAN MUD VEG

PROBLEMS:

Segment CH016

4/25/90

Stream 226-20-16258

Michael Fawcett

Ecological Summary

This is a medium-sized stream and a relatively unstable shale cobble/pebble beach. Dense Fucus and barnacles occur around the stream mouth in MTZ-LTZ, otherwise the intertidal biota sparse. Remaining oil consists of very light sporadic tar mats, which were broken up by the crew. No cleanup needed.

M. Fawcett



OFFICIAL PHOTOGRAPH ADF&G EXXON VALDEZ OIL SPILL

OFFICE: VALDEZ

DATE: 10/10/89

TIME: -0-

SEGMENT#: CH016

STATION#: -0-

LOCATION: CHENEGA ISLAND

REASON FOR TAKING PHOTO: EAST OF OLD CHENEGA VILLAGE. UNDOC. SALMON
SPAWNING STREAM. AERIAL INTERTIDAL.

TAKEN BY: RICK GUSTIN

INITIALS: _____

ROLL #: 89RLG009V FRAME #: 35

EVIDENCE ID#: 10212

ACE 7236571 + 1/pt + 1/pt

ADEC EXXON VALDEZ POST-TREATMENT SURVEY REPORT

SEGMENT#: CH016
LOCATION: S CHENEGA ISLAND

DATE: 10/11/89
TIME: 18:15

Survey Type: Boat, Ground
Team: P. Endres, D. Gardner

WEATHER AND SEA CONDITIONS

Weather: Sunny
Sea State: Calm

Wind Direction: NW
Knots: 0-15

Low Tide: 5:18	Feet: 1.32	High Tide: 11:41	Feet: 11.1
Low Tide: 17:41	Feet: 2.77	High Tide: 23:42	Feet: 11.7

SHORELINE DESCRIPTION

Shoretypes: H,LR,B
(H=headland, LR=low-lying rock, B=beach, C=cove, L=lagoon, M=marsh)

Wave Exposure: M (H=high, M=moderate, L=low)

Shoreline Composition: R,B,C,G,S
(R=bedrock, B=boulder, C=cobble, G=gravel, S=sand, M=silt)

OIL CHARACTERISTICS

Degree of Oiling: VL
(N=none, VL=very light, L=Light, M=moderate, H=heavy)
Area of Impact: H
(S=supratidal, H=high intertidal, M=mid tidal, L=low intertidal)

Max. Oil Thickness: 2 mm (1 = 1 mm or less, 0 = no oil)
Max. Oil Penetration: 0 cm (35 = 35 cm or greater)

Percent Segment Categorized as Oiled: 1%
Presence of Oiled Driftwood (y/n): n
Oil Types: T,ST
(P=pooled, M=mousse, SY=sticky, T=tar, A=asphalt, ST=stain)
Samples: none / none / none / none

DAMAGED OR OILED ORGANISMS

Fucus (y/n): n Barnacles (y/n): y Mussels (y/n): n
Dead Mammals: 0 Dead Birds: 0

SOLID WASTE FOUND

Type: None
Bags Collected: 0

Draft

Printed: 12/12/89 11:03

Walk-a-thon

ACE 7236569

**ADEC DEMOBILIZATION REPORT
FOR INIPOL AND CUSTOMBLEN TREATMENT**

Date: 7/3/90

To: Alaska Department of Environmental Conservation
Oil Spill Response Center
Anchorage, Alaska

Attn: John Bauer

FAX 265-4666

From: Chris Strand (please print)

RE: SEGMENT NUMBER CH-16 SUBSEGMENT NUMBER A

ADEC REP Chris Strand

USCG REP Dan Pearcey

EXXON REP A1 Snook

BOAT NAME/SQUAD NUMBER Doc Bollinger/squad #3

Site #	Length (along shore m)	Area m	Inipol (gallons)	Customblen (lbs.)
①	9	18	1.5	1
②	6	24	2	1
③	50	80	6.5	3

Has work been completed as stated on the work order? If your answer is no please explain in detail how the work performed was different from the work order language. Yes.

Areas marked on map biased as per work order.

Describe the amount of oil remaining (type, size of area and location). Site ① has angular boulder/cobble with light sporadic coat, and mud/sand/granule beneath fragmented granule/pebble with exposed residue with uniform depth of 2cm, plus down sides of injected rocks. Site ② has broken large boulder and cobble with deep pockets of open coat/cover, black & sticky, with film/light residue in pebble/granule/sand. Site ③ is a boulder/cobble field with coat/cover, hard on top & black and sticky on open under sides.

Additional Comments (keep objective)

By application of site was observed by coast guard representative, who reported no mishap.

signature

Chris Strand 7/3/90

Date and time of demobilization from segment 7/3/90, 1110
Shoremon/Demob.blo 55/30/90

ACE 7236572 +1S/AC

**ADEC DEMOBILIZATION REPORT
FOR PHYSICAL/MECHCANICAL TREATMENT AND CUSTOMBLEN**

To: Alaska Department of Environmental Conservation
Oil Spill Response Center
Anchorage, Alaska
Attn: John Bauer
FAX 265-4666, 265-4656

RE: SEGMENT NUMBER CH-16 SUBSEGMENT NUMBER A(1,1)

DEC REP By McLeary USCG REP Larry Raymond

EXXON REP Loudy Boyer BOAT NAME/SQUAD NUMBER Beulah #6

Has work been completed as stated on the work order? If your answer is no please explain in detail how the work performed was different from the work order language.

Yes

Is there additional oil remaining which can be removed with further physical/mechanical treatment? If yes what is the recommended treatment method.

No

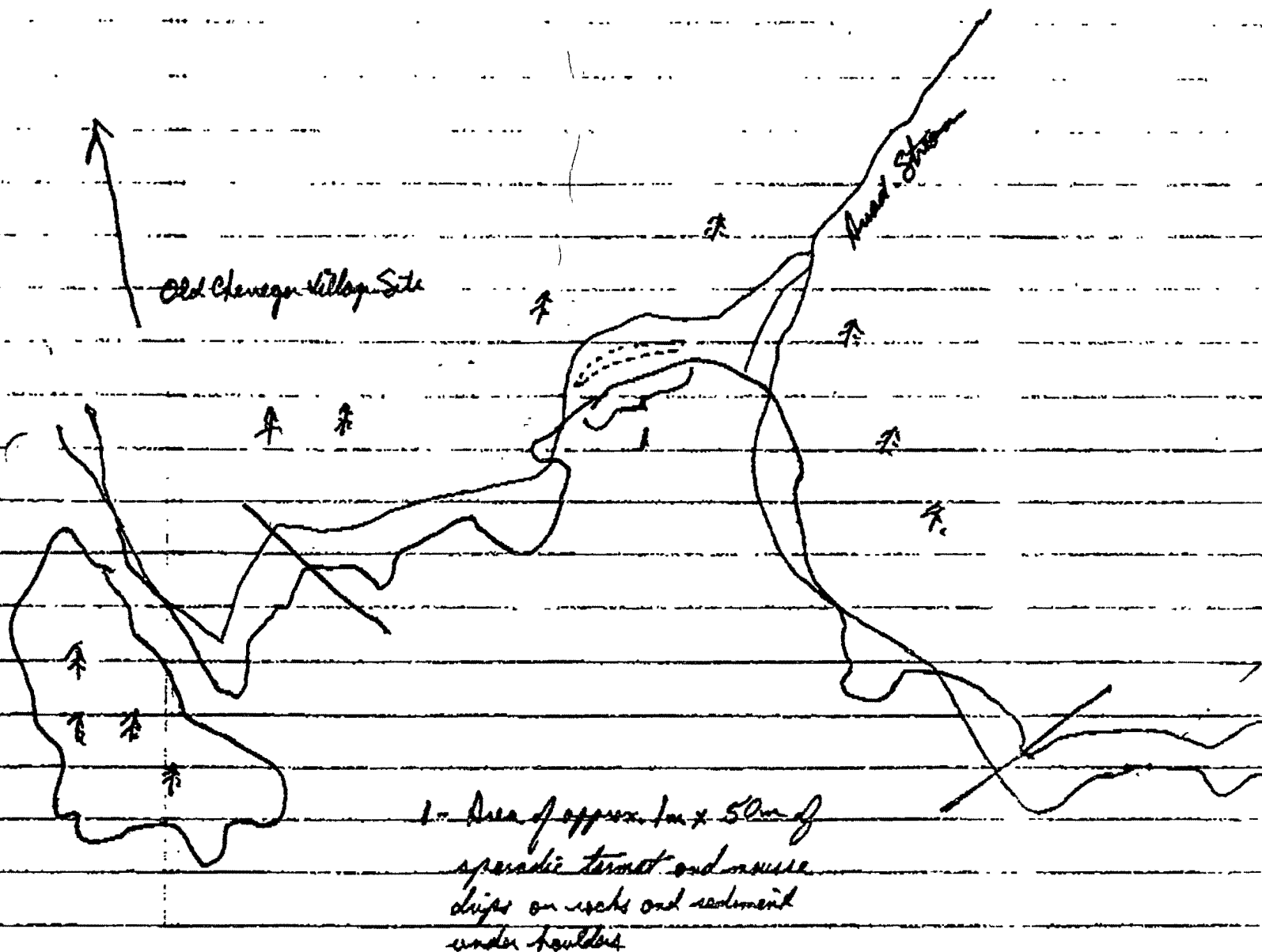
Describe the amount of oil remaining (type, size of area and location).

Additional Comments (keep objective)

signature Robert McLeary
Date and time of demobilization from segment 6/20/90 - 1100
Shoremon\55 5-12-90

Bob McHeady
6/20/90

Demos. Map
CH-16A



N

Bob McHeady

FIELD SHORELINE COMMENT SHEET

SEGMENT ST / CH 016 SUBDIVISION: 16258 DATE 4/25/90

USCG

NAME CWO MC MAHON SIGNATURE [Signature]

☒ NO TREATMENT RECOMMENDED
COMMENTS

☐ TREATMENT SUGGESTED

ADFTG

ADEC

NAME Tom Crowe SIGNATURE [Signature]

☒ NO TREATMENT RECOMMENDED
COMMENTS

☐ TREATMENT SUGGESTED

VERY LIGHT STAIN ONLY.

LAND MANAGER

NAME _____ SIGNATURE _____

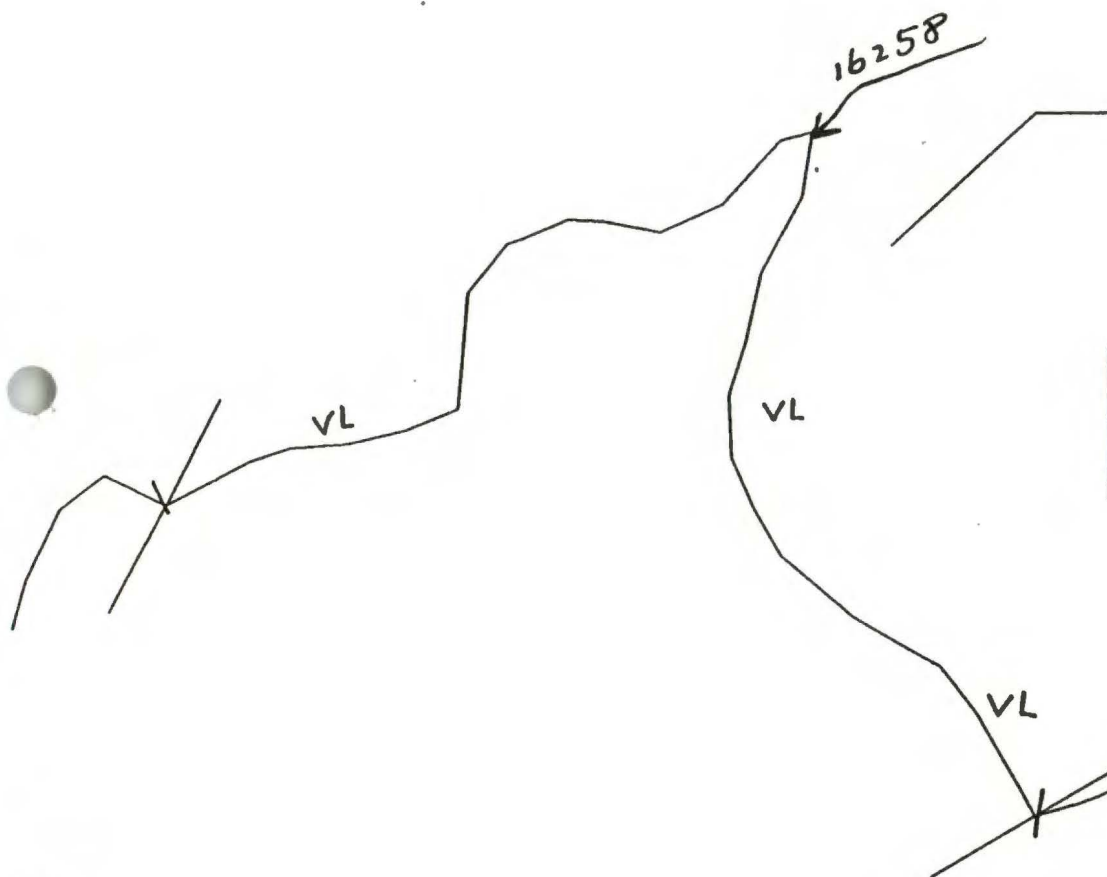
☐ NO TREATMENT RECOMMENDED
COMMENTS

☐ TREATMENT SUGGESTED

ACE 7236595

CH016

500.0



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

N

ADEC Sep/Oct 1989 Survey

ACE 7236600 -/S

(version 6/14/89)

SHORELINE CLEANUP PROGRAM

DATE 7/18/89

SHORELINE SEGMENT CH-16

LOCATION: (see enclosed map) Small Bay east of Chenega Cove on
Chenega Island

ADEC NO. _____ SHORELINE ASSESSMENT DATE: 7/9/89

Recommended Cleanup Activity(ies):

- Manually harvest dying fucus.
- Flood/flush with warm to hot water (up to 140 F) on low angle beaches and/or manually break up the tar/asphalt pavement.
- Use moderate to high pressure warm to hot water washing on rock and oiled logs.
- Use other approved methods as appropriate.

Priorities Considerations:

Class 2-4: heavy oil on eastern edge with light oil on most of segment.

Class B: resources absent

Ecological Constraints (from site survey): Work at mid tide + or take appropriate measures to protect lower intertidal zone. *PLN 4/15/89*
Restrict foot traffic on intergravel/cobble mussel beds and peat area. Restrict access to stream banks, this contains pink salmon. Contact ADF&G and RAT 48 hrs prior to cleanup.

Archeological Constraints (from site survey):

No access to Old Chenega Village during cleanup. 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: July 20, 1989

ISCC: /

Date: 7/25/89

EXXON: _____

Date: _____

FOSC: _____

Date: _____

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

ACE 7236601+1S

SHORELINE OIL EVALUATION

Date: July 10⁸⁹ Time: 12:00 noon

Observer: Greg Chaney

Surveyed From: Foot/Boat/Helio/Plane

Weather: Sun/Cloud/Rain/Snow/Fo

LOCATION

LOCATION SE Chenega Island

SEGMENT NUMBER CH-16

LENGTH OF SHORELINE SEGMENT: 1600 m

ACCESS: Foot/Vehicle/Boat/Barge/Helio/Float Plane

SHORELINE:

Shoreline Type: SPI/BEA/COV/HLD/STRT

Slope: LANG/HANG/VER

Wave Exposure: High/Med/Low

Sediment: B10% / C25% / P15% / G15% / S5% / M—% / R30%

Drift Debris on Beach: Yes/No Supra/Upper/Mid/Lower Type dead fucus

OIL

Degree of Oiling: ^{one location} Heavy/Moderate/Light/No Oil/Unobserved

Area of Beach Impact: SU / SP / (H) / M / L

8 max.

Continuous: Y/N % of Segment 10 Width of Band: 1-2 ave. m

Sporadic: Y/N % of Segment 85

Max. Observed

Est. Oil Thickness where > 1cm: — cm Est. Oil Penetration: 10 cm

Pooled Oil: —% "Free" Oil: —% Coated: H10% / M30% / L60%

Fresh —% Mousse Trace% Tar Formation: 100%

Drift Debris Oiled? Yes/No Supra/Upper/Mid/Lower Amount: H/M/L

Comments:

Majority of segment has experienced discontinuous oiling. Light oil is characteristic of the majority of segment but on eastern edge a small pocket of asphalt pavement was located which was 8 meters wide. Most oil observed consisted of tar and seemed unlikely to cause reoiling in the future. In some locations bits of dead oiled fucus have washed up on the beach. Although penetration has been restricted to the surface 5cm in most locations, tar is becoming cohesive near the surface.

ACE 7236602

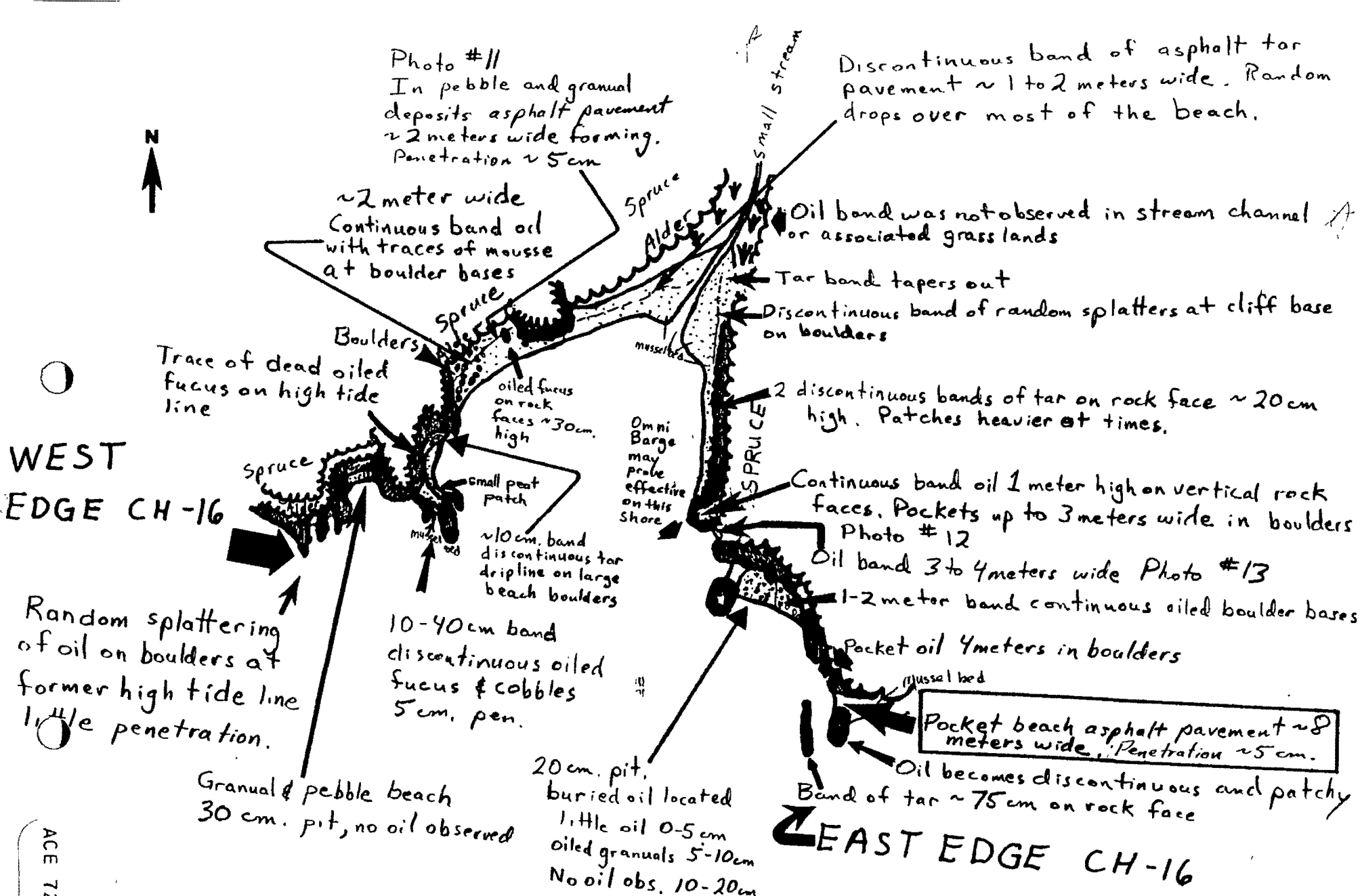
DOCUMENTATION:

Map Aerial photo marking segment boundaries Seward B3

VTR: Y/N Tape Number(s)

Photography: Y/N Roll Number(s) T543

Sample Numbers Collected:



ECOLOGICAL EVALUATION

LOCATION: Cheraga Island SITE: _____ OBSERVER: Crank

LOCATION PREFIX: CH SEG. NO.: 16 LENGTH: _____ (M)

DATE: 07/10/89 TIME (HHMM): 1015 TIDE HT.: +3 feet

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 ^{Moderate}

Low rocky area - sparse to moderate in pocket near moderate to sparse patches

Mytilus (Mussels): Patchy Y/N Contin. Y/N Dense Y/N Sparse Y/N None Y/N ^{Moderate}

Extensive intergravel mussel bed by stream and at east end of segment. Moderate to sp.

Balanus (Barnacles): Patchy Y/N Contin. Y/N Dense Y/N Sparse Y/N None Y/N ^{Moderate}

Contin. moderate population with dense to moderate concentrations

Littorina

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

Low to moderate on pebbles - dense on boulders

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

Spaced to moderate to moderate dense on boulders

OTHER OBSERVATIONS: ^{small} Pink Salmon Stream (confined by signmen) with small...

Empress and slip beds

CLEANUP PRECAUTIONS: If cleanup work at +4.0' or higher tide - LITZ - MITZ.

Restrict foot traffic on intergravel mussel beds and peat area. Restrict stream car...
dying Fucus

MAMMALS: Otters 1 Harbor Seals 1 ^{Seal pup on Island NW of Cheraga} Sea Lions 3 Whales _____
Other _____

BIRDS: Pigeons, Bald Eagle, Crow, Raven, Hummingbird

GENERAL OBSERVATIONS: _____

(version of 4/29/83)

CULTURAL RESOURCE EVALUATION

Date 7/10/89 Location SEWARD B-3 Site bight on Southeast Chenega Island

Location Prefix CH Segment # 16 Length 1600 m

Survey Method:

Air (A - indicate on map) Boat 20% (A - indicate on map)

Ground 80% (G - indicate on map)

Known cultural resources (AHRS #) not in this segment Data Source

Oil conditions/beach visibility oil is light-moderate, visibility still good

Width of beach zone surveyed up to 80 m Tree fringe surveyed up to 100 m

Cultural resources observed in beach zone (AHRS code)

Cultural resources observed in tree fringe (AHRS code) CMT

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

Shore Profile mosaic of pocket beaches between headlands + good-sized stream

Fresh Water Sources stream at head of cove may be anadromous, smaller rivulet

Sea Exposure some swells from Knight Island Passage

Access/Safety moderate

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 # MM 5 MM 6 Frames 17-24 3 1

Observer(s) M. Moss

Time survey started 1040 Time survey ended 1500

Cultural resource considerations/restraints:

Standard Constraints - Keep clean-up crews away from 49-SEW-19

ACE 7236606

