

BP-002 NO ASC NUMBER S-A4
BAINBRIDGE PASSAGE (mainland) *uncat*

ACE 1369514



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. (Fall)
____ '90 Other Documents _____

- Prince William Sound -

DOCUMENTS IN STREAM FILES

BP002

ASC# 16450

Segment # BA002

☐ '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 = SHORELINE CLEANUP 126?
☐ '90 ADEC Demobilization Report for Bio
☒ '90 ADF&G Oiling Condition Survey, for ASAP use (Aug. survey)
☒ '90 ASAP Survey ☒ ASAP Rec. ☒ ADEC Rec. (Fall)
☐ '90 Other Documents _____

Site-map (ADF&G + DEC), SITE-SKETCHES, (CULTURAL RESOURCE EVAL),
PHOTOLOG

ACE 6976194+/F/SFF-6

EDITED NM 10/28/91

OIL_OGA.REP

DATE PRINTED: 10/17/91

ADF&G MAD OILING EXTENTS
(INCLUDES OG DATA)

NON-DUCK STREAMS

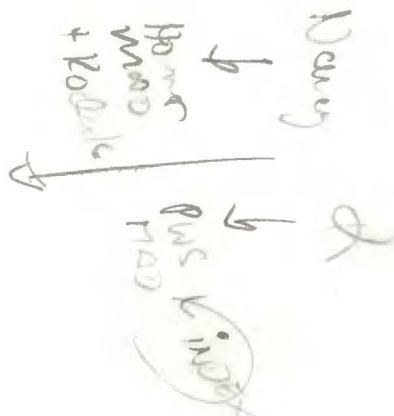
PAGE 1

CATALOG NUMBER: 226 UNCAT 1450		SEGMENT#: BA000 A		LOCATION: BAINBRIDGE ISLAND, BATHTUB COVE			SEQ:
DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL (cm)	SITE SPECIFIC COMMENTS
	OG'S ANADSCAT	1	SURFACE	11-50	<10	TB	A FEW SCATTERED TAR BALLS BENEATH BOULDERS AND COBBLE ON WEST SIDE OF STREAM IN UITZ.
	OG'S ANADSCAT	2	SURFACE	11-50	>10	TB	A FEW PATCHY TAR PATTIES ON EAST SIDE OF STREAM IN UITZ.
	OG'S ANADSCAT	3	SUBSURFACE			NONE	4 PITS DUG IN STREAM BANK VICINITY - NO OIL (SUBSURFACE) ENCOUNTERED.

MAD vs. OG: SAME - MAD FORM NOT IN DATABASE.
COMMENTS:

could this be a mistake? ~~BA000~~ ?
taken off catalog? as BA000 yes
have MAD, enter! Ed Weiss Ask where to find.

Nancy, pls change
the stream both
in oil + in MAD



4000 + PG ENCL-
Nov. trading
T. M. G. S.

CATALOG NUMBER: 226UNCAT02		SEGMENT#: BP002		LOCATION: MAINLAND, BAINBRIDGE PASSAGE			SEQ:
DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS
04/13/90	PRE-ANADS CAT	1	SURFACE			AP	SMALL AMOUNTS OF AP IN UPPER TIDE LINE ✓ BOTH SIDES OF STREAM. <u>on</u>
MAD vs. OG: COMMENTS:							

CATALOG NUMBER: 226UNCAT02		SEGMENT#: BP002		LOCATION: MAINLAND, BAINBRIDGE PASSAGE			SEQ:
DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS
04/24/90	ANADSCAT	1	SURFACE			TB MS	2-3 SCATTERED TAR SPLATTERS ON BOULDERS NORTH OF CHANNEL. 1-2 MOUSSE PATTIES IN BOULDER RUBBLE SOUTH OF CHANNEL.
MAD vs. OG: COMMENTS: VERY RICH BIOTA IN INTERTIDAL ZONE. RECOMMENDATION: MANUAL REMOVAL OF MOUSSE PATTIES. WAS DONE BY CREW. NO FURTHER TREATMENT REQUIRED.							

CATALOG NUMBER: 226UNCAT02 SEGMENT#: B1002 LOCATION: MAINLAND, BAINBRIDGE PASSAGE

DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS
4/24/90	OG'S ANADSCAT	1	SURFACE	11-50		TB	A FEW SCATTERED TAR BALLS BENEATH BOULDERS AND COBBLE ON WEST SIDE OF STREAM IN UITZ.
4/24/90	OG'S ANADSCAT	2	SURFACE	11-50		TB	A FEW PATCHY TAR PATTIES ON EAST SIDE OF STREAM IN UITZ.
4/24/90	OG'S ANADSCAT	3	SUBSURF			NONE	4 PITS DUG IN STREAM BANK VICINITY - NO OIL (SUBSURFACE) ENCOUNTERED.

MAD vs. OG:
COMMENTS:

CATALOG NUMBER: 226UNCAT02 SEGMENT#: BP002 LOCATION: MAINLAND, BAINBRIDGE PASSAGE

DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS
04/13/90	PRE-ANADS CAT	1	SURFACE			AP	SMALL AMOUNTS OF AP IN UPPER TIDE LINE ON BOTH SIDES OF STREAM.

MAD vs. OG:
COMMENTS:

CATALOG NUMBER: 226UNCAT02 SEGMENT#: BP002 LOCATION: MAINLAND, BAINBRIDGE PASSAGE

DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS
04/24/90	ANADSCAT	1	SURFACE			TB MS	2-3 SCATTERED TAR SPLATTERS ON BOULDERS NORTH OF CHANNEL. 1-2 MOUSSE PATTIES IN BOULDER RUBBLE SOUTH OF CHANNEL.

2 x 15
✓

MAD vs. OG:

COMMENTS:

VERY RICH BIOTA IN INTERTIDAL ZONE. RECOMMENDATION: MANUAL REMOVAL OF MOUSSE PATTIES. WAS DONE BY CREW. NO FURTHER TREATMENT REQUIRED.

ANADROMOUS FISH STREAM EVALUATION

SEGMENT ST/ BA-02 A STREAM NO: 226-40-16450 DATE 4/24/90

SEGMENT ENVIRONMENTAL SENSITIVITIES AND TIME CONSTRAINTS:

Two catalogued anadromous streams in BA-02: 226-40-16450, 226-40-16451.

1A Salmon stream mouth - fry outmigration (3/1 to 5/15)

1B Salmon stream mouth - spawning (7/10 to 8/31)

6U Recreation: Tent sites (6/1 to 9/15)

See attached Ecological Constraint sheet for specific constraints and contacts.

SUBDIVISION ECOLOGICAL CONSTRAINTS:

Avoid any unnecessary disturbance or damage to unoiled biota and substrate. The subject stream is located in 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 WEINER

EXXON ANDY GEAR

NOAA GARY PETER

USCG G.A. REITER

FOSC: [Signature] DATE: 5-15-90

ANADSCAT-Spring 90

26/32

ADF&G MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: BS SS OS TS AVS SCH# MMS PTA

2 REGION: PXS KP,CI X,AP

METHOD: Aerial Ground Boat

3 DATE: 4/24/90

15 HIGH TIDE TIMES: 0059, 1347

21 TEAM RECORDER: M. WIEDMER

4 START TIME: 0830

16 HIGH TIDE HTS: 12.5, 10.9

22 OBSERVERS: T. CROWE

5 STOP TIME: 0850

17 LOW TIDE TIMES: 0731, 1935

23 AGENCY: ADF&G

6 SEGMENT #: BA-002

18 LOW TIDE HTS: -2.2, 0.7

24 PHOTOS TAKEN: Y N

7 STATION #: BA-002 A

19 TIDE HT AT SURVEY: -1.29'

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

13 LOCATION: BAINBRIDGE PASSAGE

14 DESCRIPTION: _____

Oil _____

Sediment _____

Biological _____

Water _____

EXTENT OF OIL

	SHORELINE				STREAM			
	L	W	M ²	%	L	W	M ²	%
27 SURFACE COVERAGE	100	75		41	75	1		0

28 SURFACE THICKNESS	2cm							
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 10 Boulder 10 Cobble 40
Gravel 40 Sand _____ Mud/silt _____

36 CATALOGED ANAD. FISH STREAM? Y N

37 CATALOG #: NO ASC#

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

ALEVINS PRESUMED

44 ANADROMOUS FISH OBSERVATION

Species Aerial Ground

COMMENTS: VERY RICH BIOTA IN INTERTIDAL ZONE.

1-2 PATTERNS IN BOULDER RUBBLE SOUTH OF CHANNEL

2-3 TAR SPLATTERS IN BOULDERS NORTH OF CHANNEL.

ACE 6976182

27/32

45 PHOTOLOG

FRAME(S)

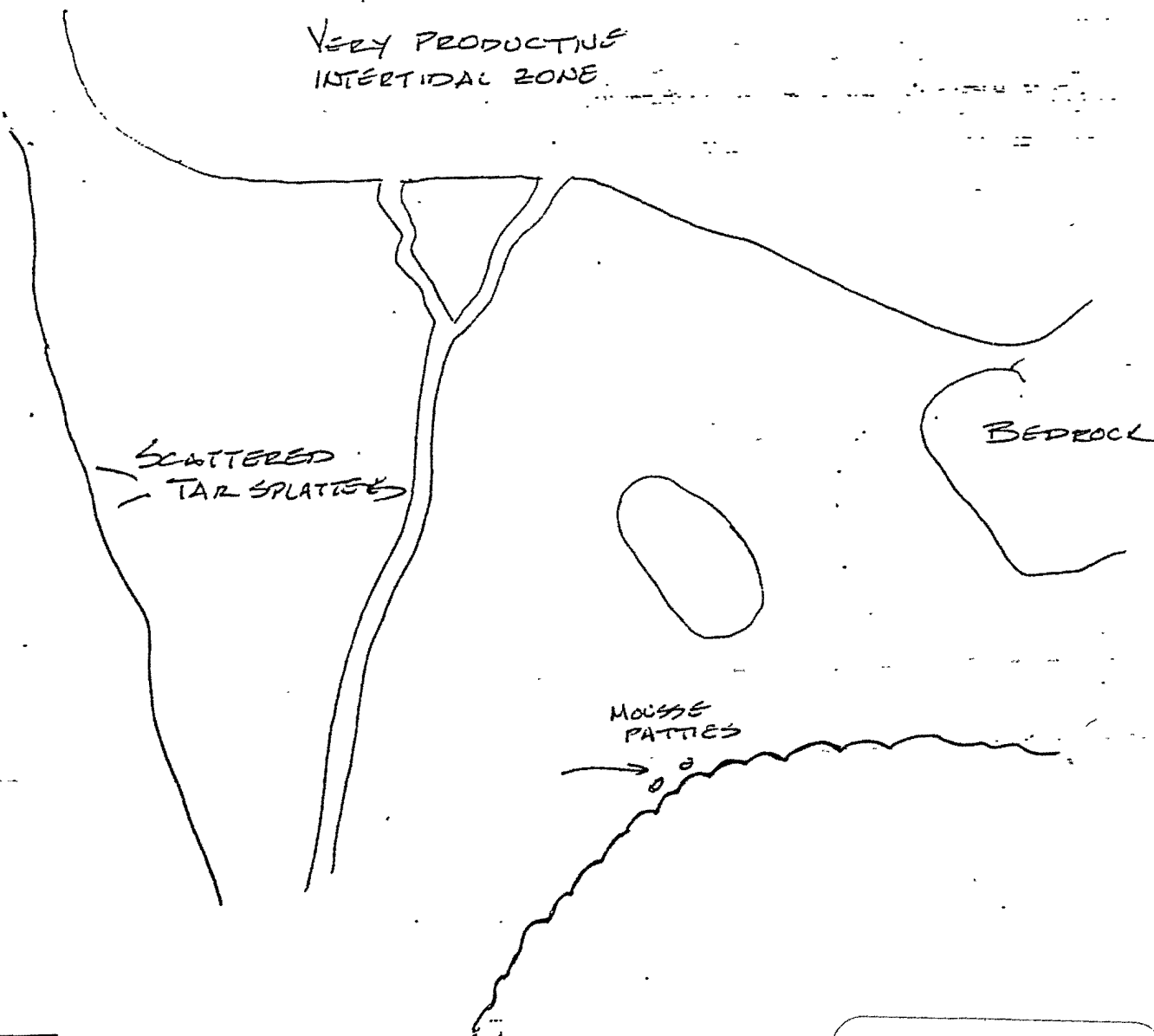
DESCRIPTION

RECOMMENDATIONS: MANUAL REMOVAL OF MOUSSE
PATTIES — DONE BY CREW — ~~NO~~ NO FURTHER
TREATMENT REQUIRED.

I agree with recommendations. M. H. Fournier

46 OIL DISTRIBUTION DIAGRAM

← N



role taken
photo frame # and
photo direction.

ACE 6976183

OPERATIONS FIELD NOTES

See Back for Instructions

SEGMENT ID ANAD BA-002
 STREAM ID # NO NUMBER
 ANNOTATED MAP INCLUDED Y(N)

DATE 4-24-90
 NAME GARCIA
 TEAM # 15

SURFACE OIL	Quantities in Meters			Treatment Recommendation						
				None	Bioremediation		Tilling		Spot Hot Water	
	Length	Width	Area		Y/N	% Treat	Y/N	% Treat	Y/N	% Treat
Wide Band	NONE									
Medium Band										
Narrow Band										
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	4 OR 5	VERY SMALL		✓					0
Area #2	8	SPORADIC TAR							0
Area #3	PATTIES								
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								
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 20% 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:

ONE VERY SMALL TAR PATTY WAS BAGGED AND REMOVED BY ADF&G.
NO TREATMENT RECOMMENDED.

ACE 6976184

25/32

FIELD SHORELINE COMMENT SHEET

SEGMENT ST 1 DA 002 SUBDIVISION: NO # DATE 4/24/90

USCG

NAME CWO Mc Mathon SIGNATURE [Signature]

☒ NO TREATMENT RECOMMENDED
COMMENTS

☐ TREATMENT SUGGESTED

ADEC

NAME ADF+G Tom Crowe SIGNATURE [Signature]

☒ NO TREATMENT RECOMMENDED
COMMENTS

☐ TREATMENT SUGGESTED

LAND MANAGER

NAME NO Team Member SIGNATURE _____

☐ NO TREATMENT RECOMMENDED
COMMENTS

☐ TREATMENT SUGGESTED

ACE 6976185

SHORELINE OILING SUMMARY (ANAD.)

REVISION NO. 04

OG WILLIAM REID USCG McMAHON SEGMENT ST/ BA 002 2832
 BIO MICHAEL FAWCETT LAND REP STREAM NOTN OF
 EXXON GUS GARCIA ADFG MIKE WIEDMER TIME 08:40
 TEAM NO. 15 TIDE LEVEL -1 FT DATE 24 / APR / 1990
 EST. SUBDIVISION LENGTH: 60 m ☐ Sun ☒ Clouds ☐ Fog ☐ Rain ☐ Snow
 UPLANDS DESCRIPTION: ☒ Grass ☒ Forest ☒ Rock
 SURVEYED FROM: ☒ Foot ☐ Boat ☐ Helo
 SURFACE SEDIMENTS: R 4 % B 10 % C 25 % P 61 % G % S % M % V
 SLOPE: Lang 100 % Hang % Ven % WAVE EXPOSURE: ☒ Low ☐ Med ☐ High
 OIL CATEGORY LENGTH: W m M m N m VL m NO 58

SURFACE OIL

CHARACTER	DISTRIBUTION				OIL / FILM COLOR								IMPACTED ZONES			
	FC	FB	FP	FS	BR	BL	GR	GL	OR	OL	TR	TL	SU	U	M	LI
ASPHALT PAVEMENT																
POOLED																
COVER																
COAT																
STAIN																
MOUSSE																
PATTIES			X								X			X		
TARBALLS			X								X			X		
FILM																
NO OIL																

PAVEMENT H F S 0 sq. m by 0

PATTIES / TARBALLS _____ BAC

NEAR SHORE SHEEN? (NO) BR RW SL T

OILED DEBRIS	AMOUNT		
	SM	MD	LG
Logs			
Vegetation			
Trash			
Debris			

Did you collect DEBRIS
☐ YES ☒ NO

TYPE _____

#BAGS _____

Photographs:

Roll No. _____

Frames _____

SUBSURFACE OIL

PIT NO.	PIT DEPTH (cm)	SUBSURFACE OIL CHARACTER					OILED INTERVAL (CM-CK)	BELOW		OIL / FILM COLOR								PIT ZONE				A N A	SHEEN (Y/N)	SURFACE SUBSURFACE SEDIMENT
		OP	OR	OL	OF	NO		UO	UC	BR	BL	GR	GL	OR	OL	TR	TL	SU	U	M	LI			
1	25					X	.											X					X	PIC/G
2	35					X	.													X			N	PIC/G
3	35					X	.													X			N	PIC/G
4	35					X	.											X					N	PIC/G
							.																	
							.																	

COMMENTS

REVIEWED _____ DATE _____

ACE 6976186

OG WILLIAM REID

SEGMENT ST/ BA002

STREAM No #

DATE 24 APR 90

Film AS-15-5

SKETCH MAP

CHECKLIST

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

LEGEND

1 ▲

Pit - No Subsurface Oil

2 ▲

Pit - Subsurface Oil

CT/C

Continuous Distribution

CT/B

Broken Distribution

CT/P

Patchy Distribution

CT/S

Splashed Distribution

Oil Vegetation

1 ➡

Photo location, direction, and number

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

REVISION: 03/24/90

VERY SCATTERED THE BALLS
TB/P / BENEATH BOULDERS
& COBBLES

CLIFF

PTP

BDCK

BEDROCK

BEDROCK

Δ1

Δ4

Δ2

Δ3

①

2↓

3↑

60m

N

PAGE 6976187

SSAT DATA ENTRY FORM

GENERAL DATA

SEG ID: BA002 SUBDIV: no number TEAM: AS-15 SURVEY DATE: 4/24/90
PAVEMENT: CHAR — AREA 0 THICKNESS 0 TARBALLS 0
OILED: LGS — VEG — TRH — DBR — WAVE EXP: LW X MD — HG —
FAX RCVD: — DT: — AGENCY DISAGREE: —
EST SUBDIV LGTH: 60 OIL CATEGORY: W 0 M 0 N 0 VL 2 NO 58 U 0

SURFACE DATA

SURFACE SEDIMENT: BRK 4 BLD 10 COB 25 PEB 61 GRN 0 SAN 0 MUD 0 VEG 0

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

CHAR #: 2 OIL CHAR: TB OIL DIST: CONT — BRKN — PTCH X SPLH —
OIL CLR: DBR 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: BA002 SUBDIV: no stream No.

PIT # 1 PIT DEPTH 25 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 35 OIL CHARACTER — OIL INTVAL: FROM 0 TO 0
QUANT: — OIL CLR: — FLM CLR: — ZONE: SU — UI — MI X LI —
SUBSURF SEDIMENT: BRK — BLD — COB X PEB X GRN X SAN — MUD — VEG —

PIT # 3 PIT DEPTH 35 OIL CHARACTER — OIL INTVAL: FROM 0 TO 0
QUANT: — OIL CLR: — FLM CLR: — ZONE: SU — UI — MI X LI —
SUBSURF SEDIMENT: BRK — BLD — COB X PEB X GRN X SAN — MUD — VEG —

PIT # 4 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 # — 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: —
—
—

BA 002

4/24/90

No Stream Number

Michael Fawcett

Ecological Summary

This stream enters cove via a cobble/pebble/gravel beach. Patchy dense Fucus and barnacles exist in MTZ. The entire LTZ has been recently turned over by sea otters digging for clams - many hundreds of holes side by side. Very little attached macro-fauna remains, as a result.

A few small tar mats were found in UTZ and collected. No cleanup needed.

M Fawcett

BA-002

4/24/90

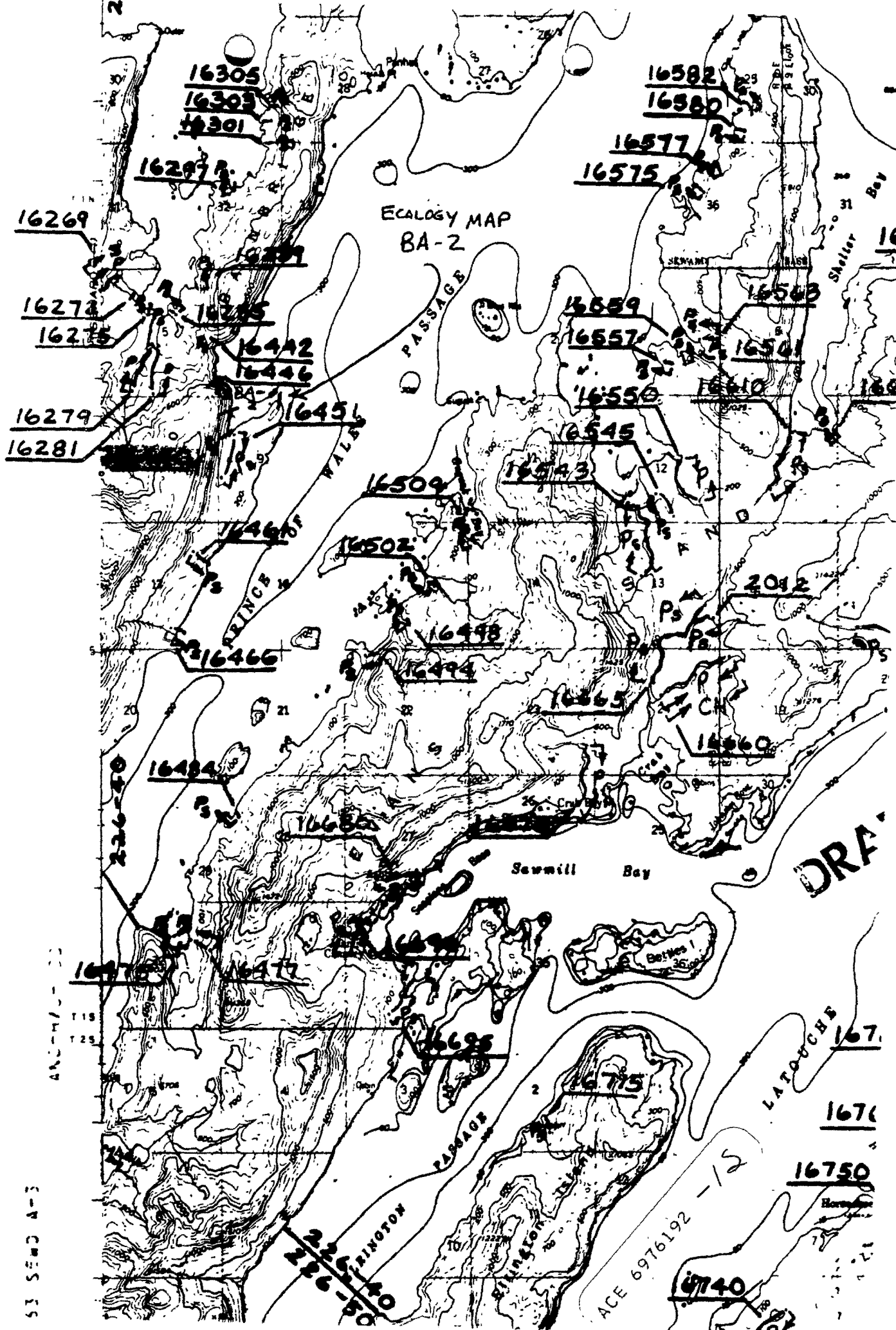
No stream Number

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M Fawcett



ANADSCAT- Spring 90

ADF&G MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: BS SS DS TS AVS SCHM MMS PTA2 REGION: PWS KP, CI K, APMETHOD: Aerial Ground Boat3 DATE: 4/24/9015 HIGH TIDE TIMES: 0059, 134721 TEAM RECORDER: M. WIEDMER4 START TIME: 083016 HIGH TIDE HTS: 12.5, 10.922 OBSERVERS: T. C. ROWE5 STOP TIME: 085017 LOW TIDE TIMES: 0731, 193523 AGENCY: ADF&G6 SEGMENT #: BA-002 ^{BP002}18 LOW TIDE HTS: -2.2, 0.724 PHOTOS TAKEN: Y (N)7 STATION #: BA-002 A19 TIDE HT AT SURVEY: -1.29'

Roll #: _____ Frame: _____

8 K-UNIT: _____

Ebb Slack Flood Slack25 VIDEO TAKEN: Y (N) TAPES: _____

9 STAT AREA: _____

20 USCG QUAD: _____

Start: _____ End: _____

10 LAT: _____

11 LONG: _____

26 SAMPLES TAKEN? Y (N) Number _____

12 SOURCE: Map Loran

13 LOCATION: BAINBRIDGE PASSAGE

14 DESCRIPTION: _____

Oil _____

Sediment _____

Biological _____

Water _____

EXTENT OF OIL

	SHORELINE				STREAM			
	L	W	M ²	%	L	W	M ²	%
27 SURFACE COVERAGE	100	75		41	75	1		0

36 CATALOGED ANAD. FISH SREAM? Y (N)37 CATALOG #: NO ASC #

38 STREAM NAME: _____

28 SURFACE THICKNESS	2cm							
----------------------	-----	--	--	--	--	--	--	--

39 OIL IN STREAM BED? Y (N)

29 PENETRATION								
----------------	--	--	--	--	--	--	--	--

40 OIL ON STREAM BANKS? Y (N)30 OVERALL OIL IMPACT: N VL L M H41 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 Marsh43 ANADROMOUS FISH PRESENT? Y N34 WAVE EXPOSURE: High Moderate Low35 SUBSTRATE TYPE: Bedrock 10 Boulder 10 Cobble 40Gravel 40 Sand _____ Mud/silt _____

ALEVINS PRESUMED

44 ANADROMOUS FISH OBSERVATION

Species Aerial Ground

COMMENTS: VERY RICH BIOTA IN INTERTIDAL ZONE.1-2 PATTERNS IN BOULDER RUBBLE SOUTH OF CHANNEL2-3 TAR SPLATTERS IN BOULDERS NORTH OF CHANNEL.

ACE 6976170+12

FRAME(S)

DESCRIPTION

RECOMMENDATIONS: MANUAL REMOVAL OF MOUSSE
PATTIES — DONE BY CREW — ~~NO~~ NO FURTHER
TREATMENT REQUIRED.

46 OIL DISTRIBUTION DIAGRAM

N

VERY PRODUCTIVE
INTERTIDAL ZONE

SCATTERED
TAR SPLATTS

BEDROCK

MOUSSE
PATTIES

24/32

OPERATIONS FIELD NOTES

See Back for Instructions

SEGMENT ID ANAD BA-002
 STREAM ID # NO NUMBER
 ANNOTATED MAP INCLUDED Y/N

DATE 4-24-90
 NAME GARCIA
 TEAM # 15

SURFACE OIL	Quantities in Meters			None	Treatment Recommendation					
					Bioremediation		Tilling		Spot Hot Water	
	Length	Width	Area		Y/N	% Treat	Y/N	% Treat	Y/N	% Treat
Wide Band	NONE									
Medium Band										
Narrow Band										
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	4 OR 5	VERY SMALL		✓					0
Area #2	8	SPORADIC TAR							0
Area #3		PATTIES							
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	NONE							
"Pocket" #2								
"Pocket" #3								
Random/Continuous								

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

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

GENERAL

Wave Exposure H/M/L Snow covering 20% of the Supratidal Zone?
 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:

ONE VERY SMALL TAR PATTY WAS BAGGED AND REMOVED BY ADF&G.
NO TREATMENT RECOMMENDED.

FIELD SHORELINE COMMENT SHEET

SEGMENT ST 1 SA 002 SUBDIVISION: NO # DATE 4/24/90

USCG

NAME CWO Mc Mathon SIGNATURE [Signature]

☒ NO TREATMENT RECOMMENDED
COMMENTS

☐ TREATMENT SUGGESTED

ADEC

NAME ADF+G Tom Crowe SIGNATURE [Signature]

☒ NO TREATMENT RECOMMENDED
COMMENTS

☐ TREATMENT SUGGESTED

LAND MANAGER

NAME NO Team Member SIGNATURE _____

☐ NO TREATMENT RECOMMENDED
COMMENTS

☐ TREATMENT SUGGESTED

ADF&G MULTI-ASSESSMENT DATA FORM

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

2 REGION: FWS KP,CI K,AP

METHOD: Aerial Ground Boat

3 DATE: 4/24/90 15 HIGH TIDE TIMES: 0059, 1347

21 TEAM RECORDER: M. WIEDMER

4 START TIME: 0830 16 HIGH TIDE HTS: 12.5, 10.9

22 OBSERVERS: T. CROWE

5 STOP TIME: 0850 17 LOW TIDE TIMES: 0731, 1935

23 AGENCY: ADF&G

6 SECTENT #: BA-002 18 LOW TIDE HTS: -2.2, 0.7

24 PHOTOS TAKEN: Y N

7 STATION #: BA-002A 19 TIDE HT AT SURVEY: -1.29'

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: BAINBRIDGE PASSAGE

Sediment _____

14 DESCRIPTION: _____

Biological _____

Water _____

EXTENT OF OIL

	SHORELINE				STREAM			
	L	W	M ²	%	L	W	M ²	%
27 SURFACE COVERAGE	100	75		41	75	1		0

36 CATALOGED ANAD. FISH SKEIN? Y N

37 CATALOG #: _____

38 STREAM NAME: _____

28 SURFACE THICKNESS

39 OIL IN STREAM BED? Y N

29 PENETRATION

40 OIL ON STREAM BANKS? Y N

30 OVERALL 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

ALEVINS PRESUMED

34 WAVE EXPOSURE: High Moderate Low

44 ANADROMOUS FISH OBSERVATION

35 SUBSTRATE TYPE: Bedrock 10 Boulder 10 Cobble 40

Species Aerial Ground

Gravel 40 Sand _____ Mud/silt _____

COMMENTS: VERY RICH BIOTA IN INTERTIDAL ZONE.

1-2 PATCHES IN BOULDER RUBBLE SOUTH OF CHANNEL

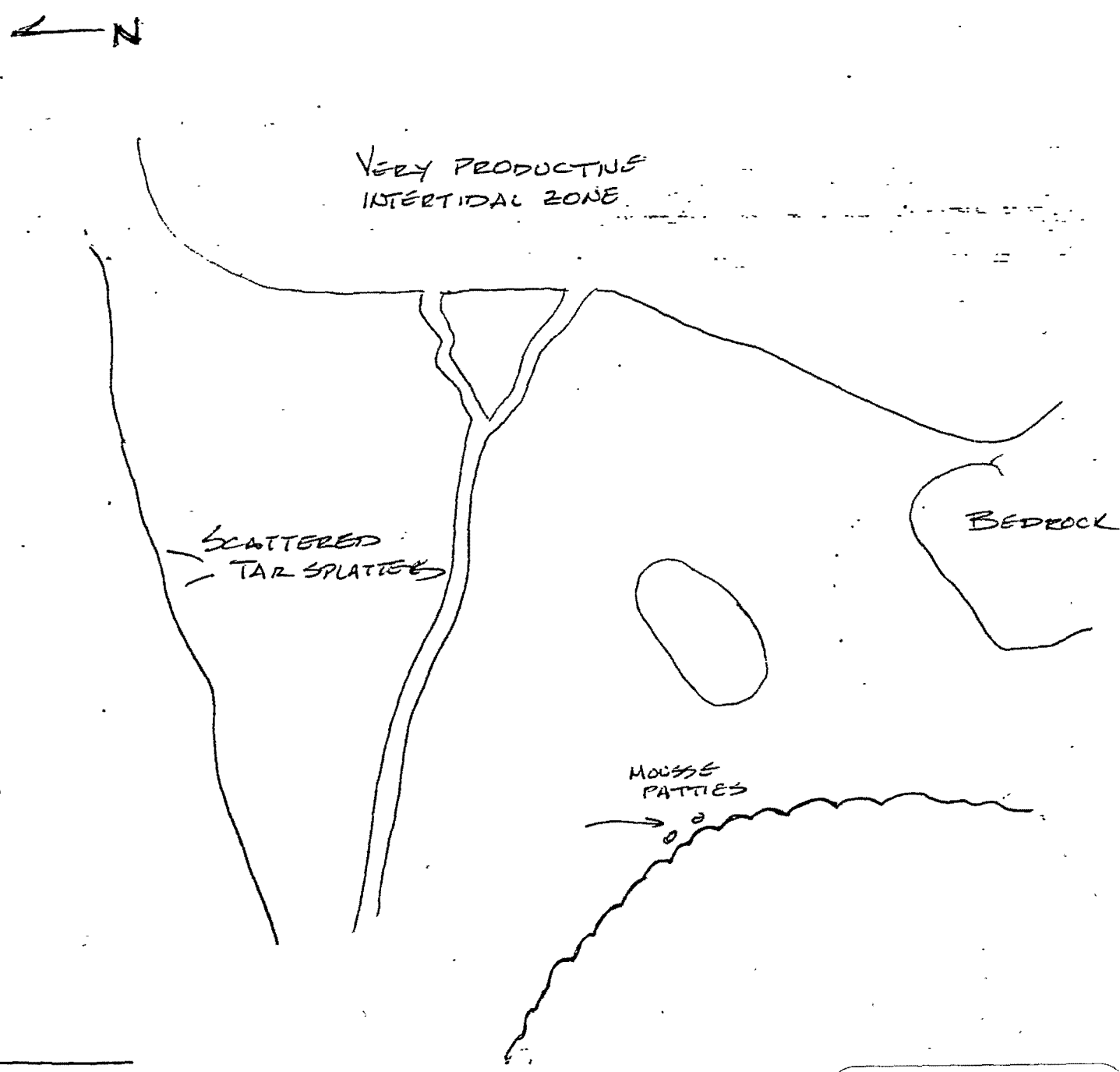
2-3 TAR SPLATTERS IN BOULDERS NORTH OF CHANNEL.

27/32

45 PHOTOLOG

FRAME(S)	DESCRIPTION
	RECOMMENDATIONS: MANUAL REMOVAL OF MOUSSE
	PATTIES - DONE BY CREW - NO NO FURTHER
	TREATMENT REQUIRED.
	I agree with recommendations. MH Fournier

46 OIL DISTRIBUTION DIAGRAM



sample taken
photo frame # and
location direction.

ACE 6976175

SHORE OILING SUMMARY (ANAD.)

REVISION NO. 001

OG WILLIAM REID USCG McMAHON SEGMENT ST/ BA 002 2832
 BIO MICHAEL FAWCETT LAND REP W. E. STREAM BOTH OF
 EXXON GUS GARCIA ADFG MIKE WIEDMER TIME 08:40 to 10:00
 TEAM NO. 15 TIDE LEVEL -1 FT DATE 24 APR 190
 EST. SUBDIVISION LENGTH: 60 m ☐ Sun ☒ Clouds ☐ Fog ☐ Rain ☐ Snow
 UPLANDS DESCRIPTION: ☒ Grass ☒ Forest ☒ Rock
 SURVEYED FROM: ☒ Foot ☐ Boat ☐ Helo
 SURFACE SEDIMENTS: R 4 % B 10 % C 25 % P 61 % G 0 % S 0 % M 0 % V
 SLOPE: Lang 100 % Hang 0 % Vert 0 % WAVE EXPOSURE: ☒ Low ☐ Med ☐ High
 OIL CATEGORY LENGTH: W 0 m M 0 m N 0 m VL 2 m NO 58

SURFACE OIL

CHARACTER	DISTRIBUTION				OIL / FILM COLOR								IMPACTED ZONES			
	IC	IB	IP	IS	BR	OR	OW	GY	SL	DR	TL	LR	SU	U	M	LI
ASPHALT PAVEMENT																
POOLED																
COVER																
COAT																
STAIN																
MOUSSE																
PATTIES			X							X				X		
TARBALLS			X							X				X		
FILM																
NO OIL																

PAVEMENT H F S 0 sq. m by 0

PATTIES / TARBALLS 0 BAG

NEAR SHORE SHEEN? (NO) BR RW SL TL

OILED DEBRIS	AMOUNT		
	SM	MD	LG
Logs			
Vegetation			
Trash			
Debris			

Did you COLLECT DEBRIS
☐ YES ☒ NO

TYPE 0
 #BAGS 0

Photographs:

Roll No. 0

Frames 0

SUBSURFACE OIL

PIT NO.	PIT DEPTH (cm)	SUBSURFACE OIL CHARACTER					OILED INTERVAL (CM-CL)	BELOW		OIL / FILM COLOR								PIT ZONE				A N A	SHEEN (Y/N)	F	SURFACE SUBSURFACE SEDIMENT
		OP	OR	OL	OF	NO		UO	UC	BR	OR	OW	GY	SL	DR	TL	LR	SU	U	M	LI				
1	25					X	-												X				X		PIC/G
2	35					X	-													X			N		PIC/G
3	35					X	-													X			N		PIC/G
4	35					X	-												X				N		PIC/G
							-																		
							-																		

COMMENTS

REVIEWED 0 DATE 0

ACE 6976176

ACE 6976177

SSAT DATA ENTRY FORM

PAGE 1 OF 2

GENERAL DATA

SEG ID: BA002 SUBDIV: no number TEAM: AS-15 SURVEY DATE: 4/24/90
PAVEMENT: CHAR - AREA 0 THICKNESS 0 TARBALLS 0
OILED: LGS - VEG - TRH - DBR - WAVE EXP: LW X MD - HG -
FAX RCVD: - DT: - AGENCY DISAGREE: -
EST SUBDIV LGTH: 60 OIL CATEGORY: W 0 M 0 N 0 VL 2 NO 58 U 0

SURFACE DATA

SURFACE SEDIMENT: BRK 4 BLD 10 COB 25 PEB 61 GRN 0 SAN 0 MUD 0 VEG 0

CHAR #: 1 OIL CHAR: PT OIL DIST: CONT - BRKN - PTCH X SPLH -
OIL CLR: DBR FILM CLR: - TIDAL ZONE: SU - UI X MI - LI -

CHAR #: 2 OIL CHAR: TB OIL DIST: CONT - BRKN - PTCH X SPLH -
OIL CLR: DBR 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: BA002 SUBDIV: no stream No.

PIT # 1 PIT DEPTH 25 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 35 OIL CHARACTER — OIL INTVAL: FROM 0 TO 0
QUANT: — OIL CLR: — FLM CLR: — ZONE: SU — UI — MI X LI —
SUBSURF SEDIMENT: BRK — BLD — COB X PEB X GRN X SAN — MUD — VEG —

PIT # 3 PIT DEPTH 35 OIL CHARACTER — OIL INTVAL: FROM 0 TO 0
QUANT: — OIL CLR: — FLM CLR: — ZONE: SU — UI — MI X LI —
SUBSURF SEDIMENT: BRK — BLD — COB X PEB X GRN X SAN — MUD — VEG —

PIT # 4 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 # — 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: —

BA 002

4/24/90

No stream Number

Michael Fawcett

Ecological Summary

This stream enters cove via a cobble/pebble/gravel beach. Patchy dense Fucus and barnacles exist in MTZ. The entire LTZ has been recently turned over by sea otters digging for clams - many hundreds of holes side by side. Very little attached macro-fauna remains, as a result.

A few small tar mats were found in UTZ and collected. No cleanup needed

M Fawcett

Alaska Department of Fish and Game
ANADSCAT Observations and Recommendations
Team 15 - Michael Wiedmer and Tom Crowe

24 April 1990

ASC # No number
Segment BA-002 *BPOW m4 10/9.*

51
Observations This site supports a very rich intertidal flora and fauna. The intertidal zone is bordered by bedrock walls north and south of the stream channel. The bases of these walls are littered with boulder rubble. Two tar patties were found in the boulder rubble south of the channel and two to three tar splatters were found in the boulders north of the channel. No buried oil was observed at the site.

Treatment Recommendations Manually remove tar patties. This was done by the ANADSCAT crew, therefore no further treatment is required.

ASC # 226-20-16392

Segment BP-004

2
Observations A long, protected intertidal zone borders this stream channel. North and south of the channel, bedrock walls confine the intertidal zone. South of the stream mouth, bedrock outcrops protect two small beach pockets. The upper portions of each of these protected pockets contain mobile mousse deposits trapped between boulders. Further up the south side of the stream channel, tar mats and patties ring the high tide line. No significant quantities of buried mousse were identified.

Treatment Recommendations Manually remove surface tar mats and patties. Manually remove mousse deposits from protected coves. Removal of mousse may require trowels and absorbents.

ASC # 226-20-16388

Segment BP-004

2 Observations This is a well-protected, gravelly beach bordered by boulders to the northwest. A heavy tar band rings the high tide line across the entire head of the cove. This band is quite broad and thick where it extends to and through several branches of the anadromous stream. On the west side of the cove, a mobile gravel berm covers a portion of the tar band with more than a meter of clean material. However, the tar band is fairly light at the point where it is covered by the berm. Tar patties are scattered throughout the mid- and lower-intertidal zone west of the channel. The boulders on the east side of the cove have trapped deposits of mobile mousse.

Treatment Recommendations Manually remove all tar mats and patties from the site, including those on the stream bank and in the stream channel. Manually remove mousse deposits from protected coves. Removal of mousse may require trowels and absorbents.

Processed
5/1/90
MK

RECEIVED
MAY 03 1990

DEPT. OF
ENVIRONMENTAL CONSERVATION

ANADROMOUS FISH STREAM ASSESSMENT

REGION: PRINCE WILLIAM SOUND

SEGMENT: BA-02 A

BP002

MA. 10/24/91

STREAM NO: 226-40-16450

Concur - NTR

ACE 6976160 *4/5*

ANADROMOUS FISH STREAM EVALUATION

SEGMENT ST/ BA-02 A STREAM NO: 226-40-16450 DATE 4/24/90

SEGMENT ENVIRONMENTAL SENSITIVITIES AND TIME CONSTRAINTS:

Two catalogued anadromous streams in BA-02: 226-40-16450, 226-40-16451.

1A Salmon stream mouth - fry outmigration (3/1 to 5/15)

1B Salmon stream mouth - spawning (7/10 to 8/31)

6U Recreation: Tent sites (6/1 to 9/15)

See attached Ecological Constraint sheet for specific constraints and contacts.

SUBDIVISION ECOLOGICAL CONSTRAINTS:

Avoid any unnecessary disturbance or damage to uncoiled biota and substrate. The subject stream is located in 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:

X No Treatment Recommended

_____ Treatment Recommended

_____ Manual Pickup

_____ Bioremediation

_____ Tarmat Removal

_____ Snare/Absorbent Booms

_____ Oil Snares (pom poms)

_____ Absorbents (pads, rolls, etc)

_____ Spot Washing: _____ Wands

_____ Beach Cleaner

_____ Other (see comments)

COMMENTS: _____

TAG COMMENTS: _____

TAG APPROVAL DATE: _____

ADEC _____

EXXON _____

NOAA _____

USCG _____

FOSC: _____ DATE: _____

ACE 6976161

- ✓ 1A Salmon stream mouth - fry outmigrate (3/1 to 5/15)
- ✓ 1B Salmon stream mouth - spawning (7/1 to 8/31)
- 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, prior to at least July 1 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 Habitat Division prior to treatment for consultation and/or permit application.
- AGENCY CONTACT PERSON: ADF&G John Morison 267-2324
- 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, prior to July 31 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 Esther Hatchery release (4/15 to 6/15)
- 1E Main Bay Hatchery release (4/20 to 6/15)
- 1F Sawmill Bay Hatchery release (4/15 to 6/1)
- 1G Cannery Creek Hatchery release (4/21 to 6/1)
- 1H Remote release site
- No use of methods which might affect nearshore oil or toxicity levels, such as hot water wash or Inipol application, prior to at least July 1 unless authorized by ADF&G and/or PWS Aquaculture Association. 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 or PWS Aquaculture Association for confirmation and authorization.
- AGENCY CONTACT PERSON: 1E ADF&G Larry Peltz 424-3214
1D 1F 1G PWS Aquaculture Association John McMillan or Bruce Suzumoto 424-7511
- 1I Gill net area (6/7 to 8/31)
- 1J Purse seine area (7/20 to 9/30)
- 1K Purse seine hook-off (7/20 to 9/30)
- 1L Set net sites (6/11 to 7/25)
- Contact ADF&G for specific dates, locations and constraints. 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 James Brady 424-3212
- 2M Herring spawning (4/1 to 6/15)
- 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 Evelyn Biggs 424-3235
- 3N, 3P Harbor seal and sea lion pupping (5/15 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 Rothy 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 Subsistence area: Salmon harvesting (5/1 to 9/30)
- 7HH Finfish harvesting
- 7II Deer harvesting (8/15 to 2/28)
- 7JJ Invertebrate harvesting
- 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

FIELD SHORELINE COMMENT SHEET

SEGMENT ST / CA 002 SUBDIVISION: NO # DATE 1/24/90

USCG

NAME CWO MC MATHER SIGNATURE [Signature]

☒ NO TREATMENT RECOMMENDED
COMMENTS

☐ TREATMENT SUGGESTED

ADEC

ADFG TOM CROWT
NAME ~~ADP RAN MEMBER~~ SIGNATURE [Signature]

☒ NO TREATMENT RECOMMENDED
COMMENTS

☐ TREATMENT SUGGESTED

LAND MANAGER

NAME ~~ADP RAN MEMBER~~ SIGNATURE _____

☐ NO TREATMENT RECOMMENDED
COMMENTS

☐ TREATMENT SUGGESTED

ACE 6976163

SHORELINE OILING SUMMARY (ANAD.)

REVISION 10

OG: WILLIAM R. E. USCG McMAHON SEGMENT ST/ BA 002 28
 BIO: MICHAEL FAWCETT LAND REP STRAB 10TH OF
 EXXON: Gus GARCIA ADFG MIKE WIEDNER TIME 08:40 to 10:00
 TEAM NO. 15 TIDE LEVEL -1 FT DATE 29 / APR / 90
 EST. SUBDIVISION LENGTH: 60 m ☐ Sun ☒ Clouds ☐ Fog ☐ Rain ☐ Snow
 UPLANDS DESCRIPTION: ☒ Grass ☒ Forest ☒ Rock
 SURVEYED FROM: ☒ Foot ☐ Boat ☐ Helo
 SURFACE SEDIMENTS: R 4 % B 10 % C 25 % P 61 % G 0 % S 0 % M 0 % V 0
 SLOPE: Long 100 % Hang 0 % Vert 0 % WAVE EXPOSURE: ☒ Low ☐ Med ☐ Hi
 OIL CATEGORY LENGTH: W 0 m M 0 m N 0 m VL 2 m NO 58

SURFACE OIL

CHARACTER	DISTRIBUTION				OIL / FILM COLOR				IMPACTED ZONES			
	R	R	R	R	SW	W	W	W	SW	W	W	W
ASPHALT PAVEMENT												
POOLED												
COVER												
COAT												
STAIN												
MOUSSE												
PATTIES			X				X			X		
TARBALLS			X				X			X		
FILM												
NO OIL									X	X	X	

PAVEMENT H F S 0 sq. m by 0PATTIES / TARBALLS 1NEAR SHORE SHEEN? (NO) BR RW SL

OILED DEBRIS	AMOUNT		
	SM	MD	LG
Logs			
Vegetation			
Trash			
Debris			

Did You Co
 DEBRIS CC
☐ YES ☒ NO

TYPE CC#BAGS 0

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)	V	SURFA SUBSUR SEDIME
		OP	OR	OL	OP	NO		UD	UD	SW	W	W	W	SW	W	W	W				
1	25					X	.							X					X		PIC
2	35					X	.								X				N		PIC
3	35					X	.								X				N		PIC
4	35					X	.							X	X				N		PIC
							.														
							.														
							.														

COMMENTS

REVIEWED JWDATE 4-25

ACE 6976164

UO I

THE UNIVERSITY OF CHICAGO PRESS

31

BA 002

4/24/90

No. stream Number

Michael Fawcett

Ecological Summary

This stream enters cove via a cobble/pebble/gravel beach. Patchy dense Fucus and barnacles exist in MTZ. The entire LTZ has been recently turned over by sea otters digging for clams - many hundreds of holes side by side. Very little attached macro-fauna remains, as a result. A few small tar mats were found in UTZ and collected. No cleanup needed.

M Fawcett

ADFC MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: BS SS OS TS AVS SCHA HAMS PTA 2 REGION: PNS KP, CI K, AP

METHOD: Aerial Ground Boat

3 DATE: 4/24/90 15 HIGH TIDE TIMES: 0059, 1347 21 TEAM RECORDER: M. WIEDMER

4 START TIME: 0830 16 HIGH TIDE HTS: 12.5, 10.9 22 OBSERVERS: T. CROWE

5 STOP TIME: 0850 17 LOW TIDE TIMES: 0731, 1935 23 AGENCY: ADFG

6 SEGMENT #: BA-002 18 LOW TIDE HTS: -2.2, 0.7 24 PHOTOS TAKEN: Y N

7 STATION #: BA-002 A 19 TIDE HT AT SURVEY: -1.29 Roll #: _____ Frames: _____

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

9 STAT AREA: _____ 26 USCS QUAD: _____ Starts: _____ Ends: _____

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

12 SOURCE: Map Loran Oil _____

13 LOCATION: RAINBRIDGE PASSAGE Sediment _____

14 DESCRIPTION: _____ Biological _____

Water _____

EXTENT OF OIL

	SHORELINE				STREAM			
	L	V	N		L	V	N	
27 SURFACE COVERAGE	100	75		41	75	1		0
28 SURFACE THICKNESS	2cm							
29 PENETRATION								
30 OVERALL OIL IMPACT:	N	<u>VL</u>	L	N	N			
31 OIL TYPE:	Pooled	<u>House</u>	Tar	Asphalt	Sticky	Stain		
32 OILED DEBRIS:	Y	<u>N</u>						
33 SHORELINE TYPE:	Headland	Low-lying Rocks	Beach	<u>Cave</u>				
		Lagoon	Marsh					
34 WAVE EXPOSURE:	High	Moderate	<u>Low</u>					
35 SUBSTRATE TYPE:	Bedrock	<u>10</u>	Gravel	<u>40</u>	Coarse	<u>40</u>		
			Sand		Mud/silt			

36 CATALOGED ANAD. FISH BREAST Y N

37 CATALOG #:

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: VERY RICH BIOTA IN INTERTIDAL ZONE.

1-2 PATCHES IN BOULDER RUBBLE SOUTH OF CHANNEL

2-3 TAR SPLATTERS IN BOULDERS NORTH OF CHANNEL.

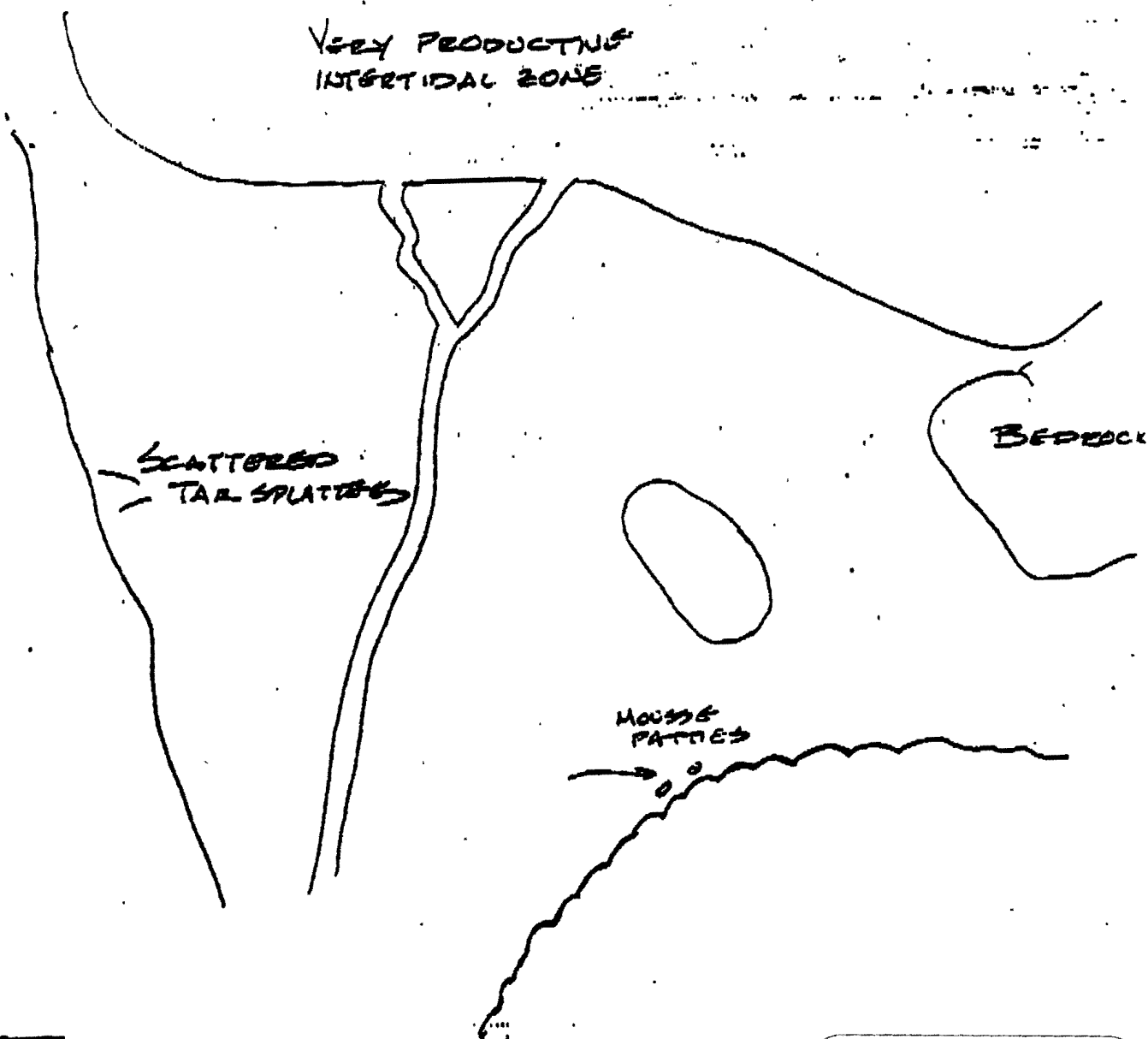
27/32

48 PHOTOLOG

FRAME(S)	DESCRIPTION
	RECOMMENDATIONS: MANUAL REMOVAL OF MOUSE
	PATTIES - DONE BY CREW - NO FURTHER
	TREATMENT REQUIRED.
	I agree with recommendations. <i>M. J. Fawcett</i>

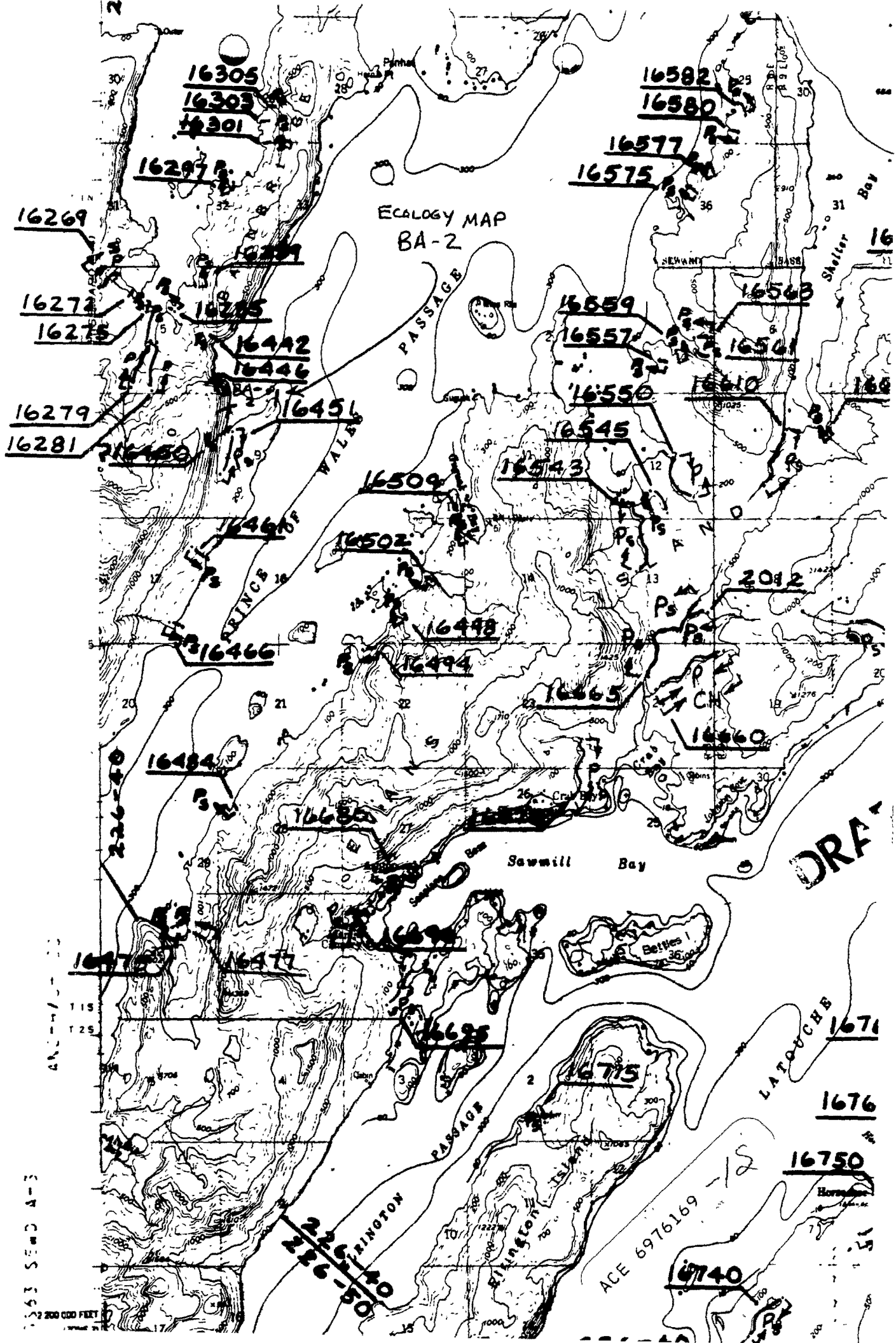
48 OIL DISTRIBUTION DIAGRAM

← N



moles taken
into frame # and
on direction.

ACE 6976168



LIST OF ASAP REPORTS and TAG RECOMMENDATIONS
CONTAINING ANDROMOUS STREAMS

9/10/90

<u>SEGMENT</u>	<u>CATALOG #</u>	<u>TAG RECOMMENDATION</u>
BP002 BA002A	226-40-16450	
BP004	226-20-16392	
BP004	226-20-16397	Bio/Customblen
BP004	226-20-16388	
BP004	226-20-16395	
CH002A	226-20-16180	
CH009B	226-20-16182	Tarmat removal/Bio
CH900A	226-20-16200	
CU014A	224-20-13036	
CU013A	224-20-13030	
EL052B	226-10-16902	NTR
EV014A	226-40-16640	
EV017A	226-40-16620	
EV025A	226-40-16613	
EV071B	228-40-16484	
GR007A	NOT CATALOGED	
GR103A	227-20-17880	
KN213B	226-30-16853	NTR
KN129A	226-10-16975	
KN129B	NOT CATALOGED	
KN132B	226-10-16982	
KN135A	226-30-16285	
KN211E	226-10-16875	NTR
KN401A	226-30-16820	
KN500A	226-10-16992	NTR
KN701B	226-30-16840	NTR
LA018A	226-40-16780	
LA021B	226-40-16776	
LA021A	226-40-16774	

- 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 same as for 16450,
- ✓ _____ '90 Anadscat Survey (delete duplicate from 16450 folder)
- ✓ _____ '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 (August 1991)
- _____ '90 ASAP Survey _____ ASAP Rec. _____ ADEC Rec. (Fall)
- _____ '90 Other Documents SKETCH MAP
- _____ DEC POST TREATMENT REPORT (ONE / SEGMENT always)
- _____ OILING SURVEY (APRIL)
- _____ FIELD SHORELINE COMMENT SHEET, SHORELINE OILING SUMMARY
- _____ OPERATIONS FIELDNOTES
- _____ SAT DATA ENTRY FORM (PIT in 16)

NOTES : FISH STREAM EVALUATION (16450) IS DUPLICATE TO THAT OF 16450 FOLDER.
(ENTER AS IS, ELIMINATION DUPS IN RBASE 'CLEANSWEEP').

ANADROMOUS FISH STREAM EVALUATION

SEGMENT ST/ BA-02 A STREAM NO: 226-40-16450 DATE 4/24/90

SEGMENT ENVIRONMENTAL SENSITIVITIES AND TIME CONSTRAINTS:

Two catalogued anadromous streams in BA-02: 226-40-16450, 226-40-16451.

1A Salmon stream mouth - fry outmigration (3/1 to 5/15)

1B Salmon stream mouth - spawning (7/10 to 8/31)

6U Recreation: Tent sites (6/1 to 9/15)

See attached Ecological Constraint sheet for specific constraints and contacts.

SUBDIVISION ECOLOGICAL CONSTRAINTS:

Avoid any unnecessary disturbance or damage to unoiled biota and substrate. The subject stream is located in 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: 5/2/90

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 WEINER
 EXXON ANDY TATE
 NOAA GARY PATRICK
 USCG G.A. BEITER

FOSC: [Signature] DATE: 5/15/90

ACE 6976212-15

Salmon stream mouth - fry outmigration (3/1 to 5/15)

Salmon stream mouth - spawning (10 to 8/31)

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, prior to at least July 1 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 Habitat Division prior to treatment for consultation and/or permit application.

AGENCY CONTACT PERSON: ADF&G John Morison 267-2324

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, prior to July 31 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 Esther Hatchery release (4/15 to 6/15)

1E Main Bay Hatchery release (4/20 to 6/15)

1F Sawmill Bay Hatchery release (4/15 to 6/1)

1G Cannery Creek Hatchery release (4/21 to 6/1)

1H Remote release site

No use of methods which might affect nearshore oil or toxicity levels, such as hot water wash or Inipol application, prior to at least July 1 unless authorized by ADF&G and/or PWS Aquaculture Association. 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 or PWS Aquaculture Association for confirmation and authorization.

AGENCY CONTACT PERSON: 1E ADF&G Larry Peltz 424-3214

1D 1F 1G PWS Aquaculture Association John McMillan or Bruce Suzumoto 424-7511

1I Gill net area (6/7 to 8/31)

1J Purse seine area (7/20 to 9/30)

1K Purse seine hook-off (7/20 to 9/30)

1L Set net sites (6/11 to 7/25)

Contact ADF&G for specific dates, locations and constraints. 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 James Brady 424-3212

2M Herring spawning (4/1 to 6/15)

Contact ADF&G for confirmation - dates and locations may vary. Restrict boat traffic to essential minimum. Avoid damage to uncoiled 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 Evelyn Biggs 424-3235

3N, 3P Harbor seal and sea lion pupping (5/15 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

Recreation:

Tent sites (6/1 to 9/15)

Anchorage (6/1 to 9/15)

Forest Service cabins (6/1 to 9/15)

Lodge (6/1 to 9/15)

Special use destination

7Z Subistence area: Salmon harvesting (5/1 to 9/30)

7HH Finfish harvesting

7H Deer harvesting (8/15 to 2/28)

7JJ Invertebrate harvesting

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 267-2350

FIELD SHORELINE COMMENT SHEET

SEGMENT ST / DA 002 SUBDIVISION: NO # DATE 1/24/90

USCG

NAME CWO MC Mathew SIGNATURE [Signature]

☒ NO TREATMENT RECOMMENDED
COMMENTS

☐ TREATMENT SUGGESTED

ADEC

NAME ADF+G Tom Crowe SIGNATURE [Signature]

☒ NO TREATMENT RECOMMENDED
COMMENTS

☐ TREATMENT SUGGESTED

LAND MANAGER

NAME NO Tom Mathew SIGNATURE _____

☐ NO TREATMENT RECOMMENDED
COMMENTS

☐ TREATMENT SUGGESTED

ACE 6976214

SHORELINE OILING SUMMARY (ANAD.)

REVISION

OG: WILLIAM R USCG McMAHON SEGMENT ST/ BA 002
 BIO: MICHAEL FAWCETT LAND REP STRAH 10TH
 EXXON: GUS GARCIA ADFG MIKE WIEDNER TIME 05:40
 TEAM NO. 15 TIDE LEVEL -1.5 DATE 29 / APR / 90
 EST. SUBDIVISION LENGTH: 60 m ☐ Sun ☒ Clouds ☐ Fog ☐ Rain ☐ Snow
 UPLANDS DESCRIPTION: ☒ Grass ☒ Forest ☒ Rock
 SURVEYED FROM: ☒ Foot ☐ Boat ☐ Helo
 SURFACE SEDIMENTS: R 4 % B 10 % C 25 % P 61 % G 0 % S 0 % M 0 % V 0
 SLOPE: Long 100 % Hang 0 % Vert 0 % WAVE EXPOSURE: ☒ Low ☐ Med ☐
 OIL CATEGORY LENGTH: W 0 m M 0 m N 0 m VL 2 m NO 5

SURFACE OIL

CHARACTER	DISTRIBUTION				OIL / FILM COLOR				IMPACTED ZONES			
	R	B	P	N	W	Y	OR	GR	W	M	U	U
ASPHALT PAVEMENT												
POOLED												
COVER												
COAT												
STAIN												
MOUSSE												
PATTIES			X						X		X	
TARBALLS			X						X		X	
FILM												
NO OIL									X	X	X	

PAVEMENT H F S 0 sq. m by 4PATTIES / TARBALLS 1NEAR SHORE SHEEN? ☒ NO BR RW S

OILED DEBRIS	AMOUNT		
	SM	MD	LG
Logs			
Vegetation			
Trash			
Debris			

Did you C
 DEBRIS
☐ YES ☒ NO

TYPE

#BAGS

Photographs:

Roll No. _____

Frames _____

SUBSURFACE OIL

PIT NO.	PIT DEPTH (cm)	SUBSURFACE OIL CHARACTER					OILED INTERVAL	BELOW		OIL / FILM COLOR						PIT ZONE				A N A	STEEN (Y/N)	↓	SURF SUBS. SEDIM		
		OP	OR	OL	OF	NO		W	W	W	W	W	W	W	W	W	W	W	U						
1	25					X	.									X						X			PIC
2	35					X	.										X					N			PIC
3	35					X	.										X					N			PIC
4	35					X	.										X	/				N			PIC
							.																		
							.																		

COMMENTS

REVIEWED JW DATE 4-2

ACE 6976215

24/32

Film AS-15-5

SKETCH MAP

00 WILLIAM REID
SEGMENT ST/ BAP02

STREAM No #

DATE 21 APR 90

CHECKLIST

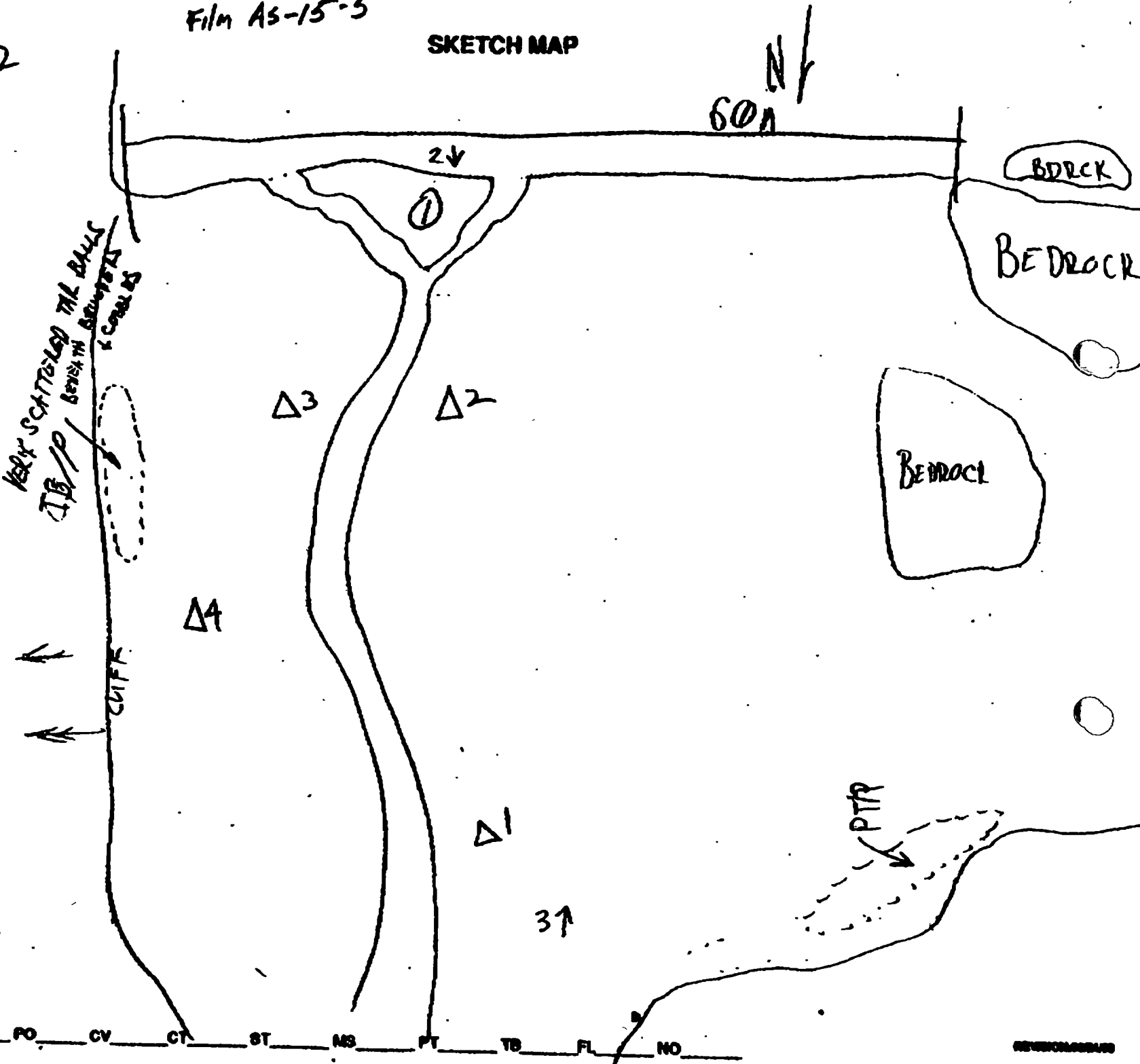
- ☐ N Area
- ☐ Approx. Size
- ☐ Elevation Study
- ☐ OS Dist.
- ☐ Width
- ☐ Length
- ☐ % Cover
- ☐ Substrate Character
- ☐ Est. INW/LATE
- ☐ SBL
- ☐ Profile Location(s)
- ☐ Profile(s)
- ☐ PI Location(s)
- ☐ Photo Location(s)

LEGEND

- 1 Δ
- PI - No Subsurface CI
- 2 Δ
- PI - Subsurface CI
- CT/C
- Continuous Distribution
- CT/B
- Broken Distribution
- CT/P
- Patchy Distribution
- CT/S
- Splashed Distribution
- eee
- Old Vegetation
- 1 ●
- Photo location, direction, and number

AGE 6976216

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



BA 002

No stream Number

Ecological Summary

4/24/90

Michael Fawcett

This stream enters cove via a cobble/pebble/gravel beach. Patchy dense Fucus and barnacles exist in MTZ. The entire LTZ has been recently turned over by sea otters digging for clams - many hundreds of holes side by side. Very little attached macro-fauna remains as a result. A few small tar mats were found in UTZ and collected. No cleanup needed

M Fawcett

NOFAS MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: BS (53) OS TS AVS SCMA HMM PTA

2 REGION (PYS) KP,CI K,AP

METHOD: Aerial (Ground) Boat

3 DATE: 4/24/90

15 HIGH TIDE TIMES: 0059, 1347

21 TEAM RECORDER: M. WIEDMER

4 START TIME: 0830

16 HIGH TIDE HTS: 12.5, 10.9

22 OBSERVERS: T. CROWE

5 STOP TIME: 0850

17 LOW TIDE TIMES: 0731, 1935

23 AGENCY: ADEFG

6 SEGMENT #: BA-002

18 LOW TIDE HTS: -2.2, 0.7

24 PHOTOS TAKEN: Y (N)

7 STATION #: BA-002 A

19 TIDE HT AT SURVEY: -1.29'

Roll #1 _____ Frames _____

8 K-UNIT: _____

EDS Stack (Flood) Stack

25 VIDES TAKEN: Y (N) TAPES: _____

9 STAT AREA: _____

20 USCG QUAD: _____

Starts _____ Ends _____

10 LAT: _____

11 LONG: _____

26 SAMPLES TAKEN Y (N) Number _____

12 SOURCE: Map Loran

Oil _____

13 LOCATION: RAINERIDGE PASSAGE

Sediment _____

14 DESCRIPTION: _____

Biological _____

Water _____

EXTENT OF OIL

	SHORELINE				STREAM			
	L	V	N		L	V	N	
27 SURFACE COVERAGE	100	75		41	75	1		0

36 CATALOGUED ANAD. FISH BREAST Y (N)

28 SURFACE THICKNESS	2cm							
29 PENETRATION								

37 CATALOG #: _____

38 STREAM NAME: _____

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

39 OIL IN STREAM BED? Y (N)

31 OIL TYPES: Pooled (Housse) Tar Asphalt Sticky Scale

40 OIL ON STREAM BANK? Y (N)

32 OILED DEBRIS Y (N)

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

42 OIL WITHIN 1 MILE OF STREAM Y N

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

Where: _____

43 ANADROMOUS FISH PRESENT Y (N)

ALEVIN'S PRESUMED

44 ANADROMOUS FISH OBSERVATION

Species Aerial Ground

34 WAVE EXPOSURE: High Moderate (Low)

35 SUBSTRATE TYPE: Bedrock 10 Boulder 10 Cobble 40

Gravel 40 Sand _____ Mud/silt _____

COMMENTS: VERY RICH BIOTA IN INTERTIDAL ZONE.
1-2 PATRES IN BOULDER RUBBLE SOUTH OF CHANNEL
2-3 TAR SPLATTERS IN BOULDERS NORTH OF CHANNEL.

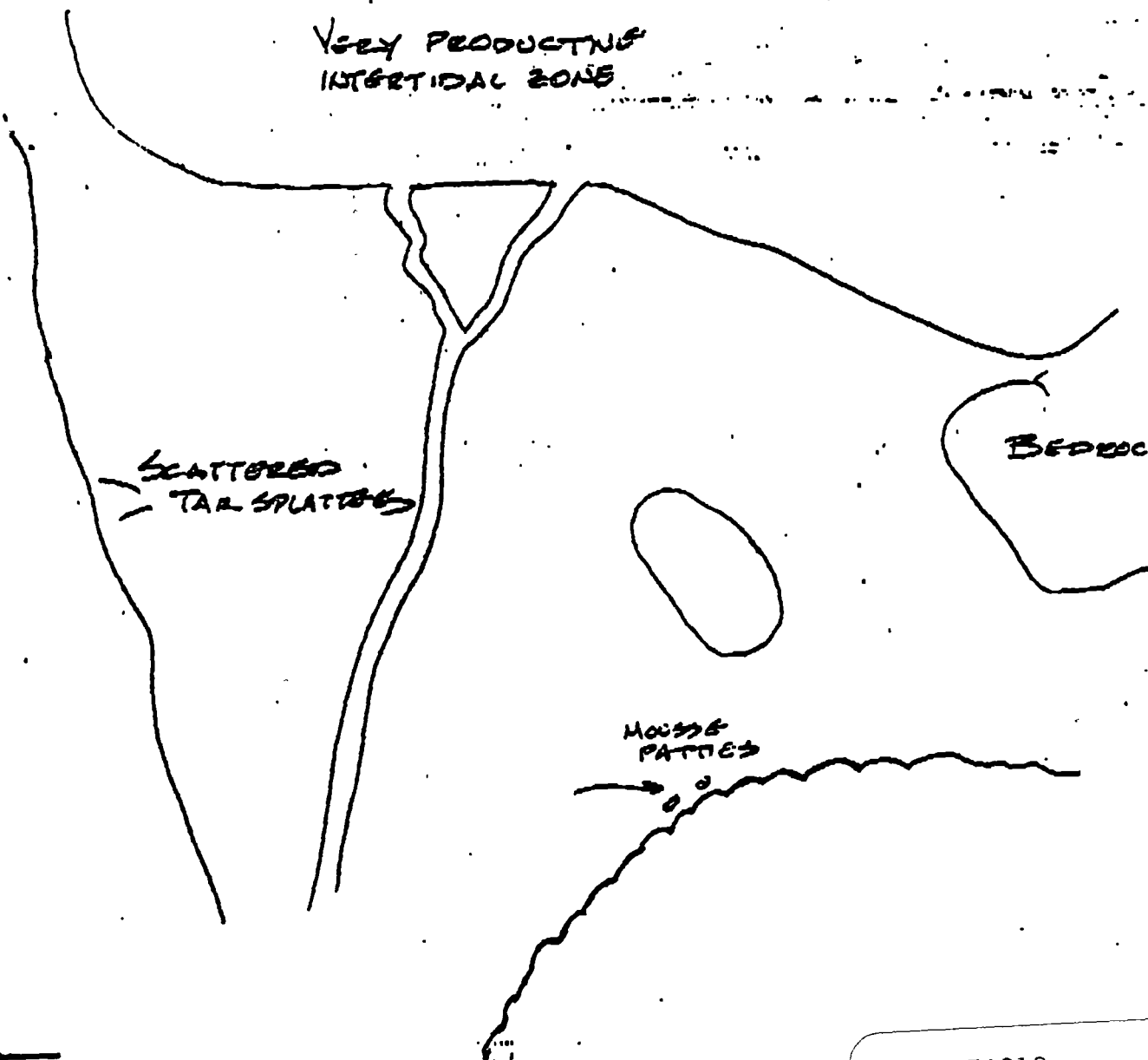
27/32

45 PHOTOLOG

FRAME(S)	DESCRIPTION
	RECOMMENDATIONS: MANUAL REMOVAL OF MOUSSE PATTIES - DONE BY CREW - NO FURTHER TREATMENT REQUIRED. I agree with recommendations. <i>M. J. Fennell</i>

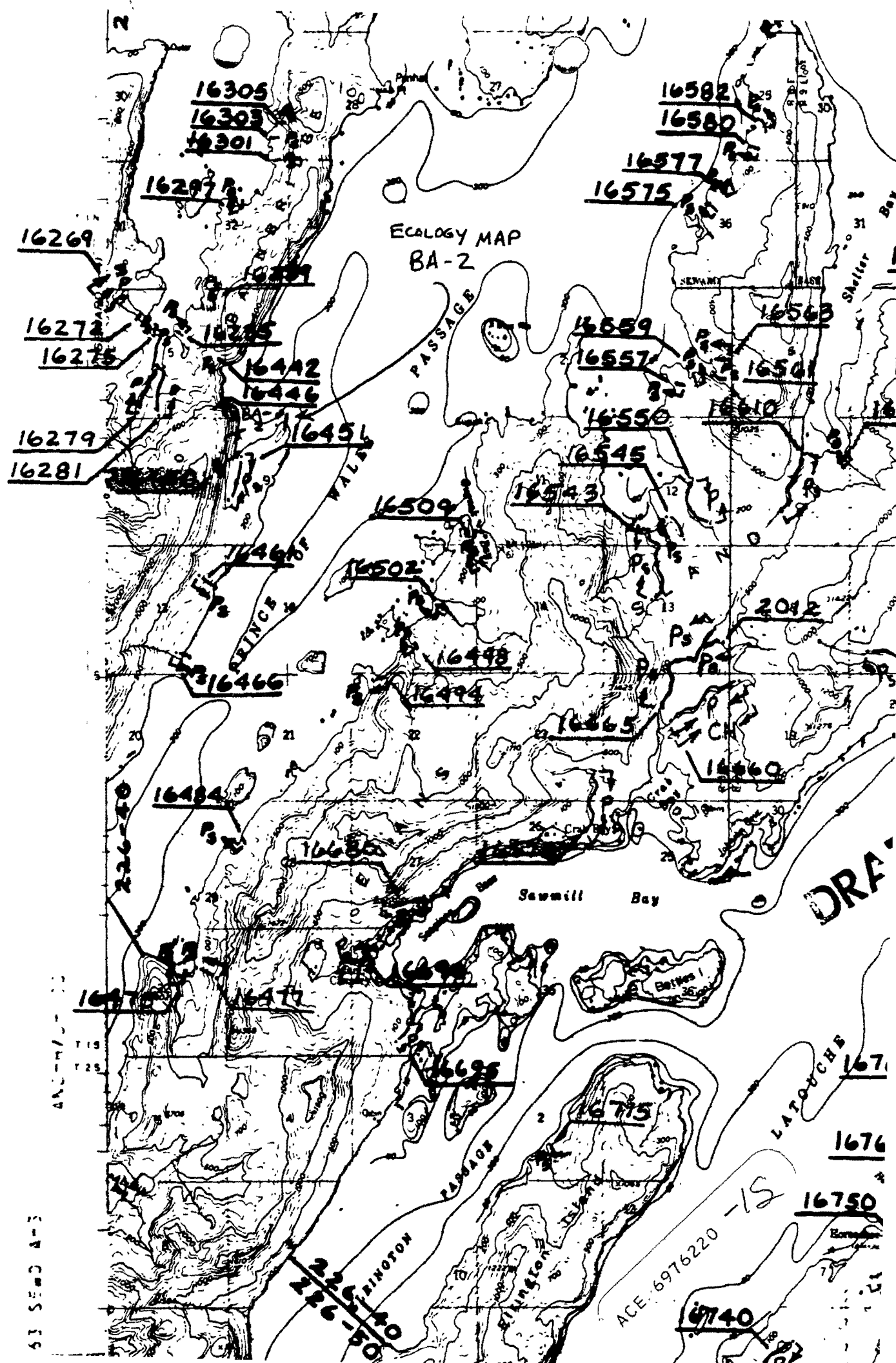
46 OIL DISTRIBUTION DIAGRAM

← N



note taken
note frame # and
note direction.

ACE 6976219



Final Anadromous Stream Treatment Information

enter

Segment ID - Stream ID	NTR	Bio	Bio Start	Bio End	Man	Man Start	Man End
BA002 226-40-16450	X						
BA002 226-40-16451		X	6/22/90	6/23/90	X	6/22/90	6/23/90
BP004 226-20-16388					X	7/1/90	7/2/90
BP004 226-20-16392					X	7/2/90	7/3/90
BP004 226-20-16395					X	7/3/90	7/4/90
BP004 226-20-16397		X	7/7/90	8/27/90	X	7/4/90	7/7/90
CB003 242-20-10190					X	6/14/90	6/14/90
CH001 226-20-16280					X	6/16/90	6/16/90
CH002 226-20-16180		X	7/3/90	9/12/90	X	6/16/90	6/16/90
CH009 226-20-16182		X	7/4/90	9/12/90	X	7/4/90	7/4/90
CH014 226-20-16255					X	6/20/90	6/20/90
CH016 226-20-16258	X						
CH0900 226-20-16200					X	7/3/90	7/3/90
CU001 224-20-12995					X	5/18/90	5/23/90
CU007 224-20-13010	X						
CU013 224-20-13030					X	6/3/90	6/3/90
CU014 224-20-13034					X	6/21/90	6/21/90
CU014 224-20-13036					X	6/21/90	6/21/90
EI001 242-10-10270					X	7/1/90	7/1/90
EL015 226-10-16906					X	6/30/90	6/30/90
EL052 226-10-16902		X	6/28/90	9/4/90			
ER005 226-50-16432					X	6/21/90	6/21/90
ER006 226-50-16430					X	6/20/90	6/20/90
ER007 226-50-16428					X	6/20/90	6/20/90
ER019 226-50-16406	X						
EV003 226-40-16590					X	6/10/90	6/10/90
EV007 226-40-16559	X						
EV012 EV012-UNCAT		X	6/22/90	6/23/90	X	6/22/90	6/23/90
EV014 226-40-16640					X	6/23/90	6/23/90
EV017 226-40-16620					X	6/19/90	6/19/90
EV017 226-40-16630					X	6/19/90	6/19/90
EV025 226-40-16613		X	7/1/90	7/1/90	X	6/9/90	6/9/90
EV027 226-40-16610					X	7/8/90	7/8/90
EV070 226-40-16509		X	6/12/90	9/1/90	X	6/12/90	6/12/90
EV071 226-40-16484		X	7/5/90	9/1/90	X	6/21/90	6/21/90
FL002 226-40-16390	X						
FL005 226-40-16400	X						
GR007 GR007-UNCAT					X	6/27/90	6/27/90
GR013 227-20-17890	X						
GR103 227-20-17880					X	6/24/90	6/26/90
IN031 226-10-16916					X	7/5/90	7/5/90
K0101-SI008 251-81-10010	X						
K0101-SI014 251-82-10090					X	7/3/90	7/3/90
K0112-SS009 251-50-10045					X	7/2/90	7/2/90
K0201-SI013 251-81-812	X						
K0302-IB005 252-31-10020					X	6/5/90	6/5/90
K0911-CD018 262-10-10100					X	7/5/90	7/7/90
K0911-CD020 262-10-10040					X	7/3/90	7/8/90
K0911-CD020 262-10-10070	X						

7/31/90

ALASKA
1:63 360 SERIES (TOPOGRAPHIC)

BAINBRIDGE PASSAGE
NORTHWEST BLOCK
BP-01, BP-02,
BP-03, BP-04



CATALOG NUMBER: 226UNCAT02
 STREAM NAME:
 LOCATION: MAINLAND, BAINBRIDGE PASSAGE

SEGMENT NUMBER: BP002
 SHORELINE TYPE:
 DATE: 04/13/90 TIME: -0955

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

COMMENTS: small amounts of AP in upper tideline, both sides of stream

Pre-AnadSCAT

CATALOG NUMBER: 226UNCAT02
 STREAM NAME:
 LOCATION: MAINLAND, BAINBRIDGE PASSAGE

SEGMENT NUMBER: BP002
 SHORELINE TYPE:
 DATE: 04/24/90 TIME: -0850

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

COMMENTS:

did not find anodscat or any paperwork relating to it in stream file

AW
10/3/91

MAD was
entered
10/10/91.
No OG sheets.

ADEC EXXON VALDEZ POST-TREATMENT SURVEY REPORT

SEGMENT#: BP002
LOCATION: BAINBRIDGE PASSAGE

DATE: 10/12/89
TIME: 16:21

Survey Type: Boat, Ground
Team: H. Wood, D. Zobrist

WEATHER AND SEA CONDITIONS

Weather: Sunny
Sea State: Calm

Wind Direction: NW
Knots: 0-15

Low Tide: 6:02 Feet: 0.63 High Tide: 12:17 Feet: 12.3
Low Tide: 18:27 Feet: 0.82 High Tide: -0- Feet: -0-

SHORELINE DESCRIPTION

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

Wave Exposure: L (H=high, M=moderate, L=low)
Shoreline Composition: R
(R=bedrock, B=boulder, C=cobble, G=gravel, S=sand, M=silt)

OIL CHARACTERISTICS

Degree of Oiling: N,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: 1 mm (1 = 1 mm or less, 0 = no oil)
Max. Oil Penetration: 0 cm (35 = 35 cm or greater)

Percent Segment Categorized as Oiled: 0%
Presence of Oiled Driftwood (y/n): n
Oil Types: A
(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): n Mussels (y/n): n
Dead Mammals: 0 Dead Birds: 0

SOLID WASTE FOUND

Type: None
Bags Collected: 0

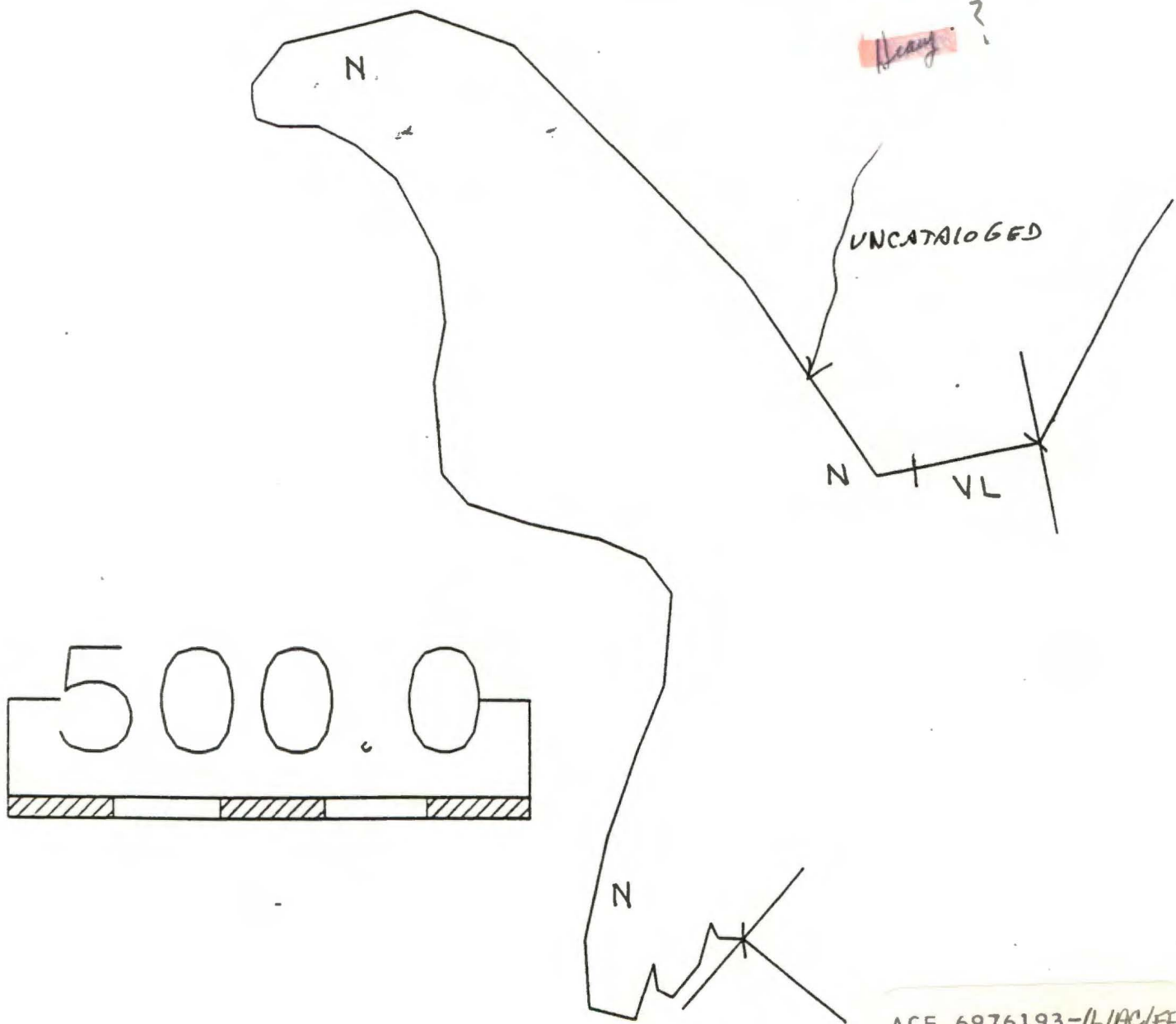
Draft

Printed: 12/12/89 11:00

Walk-a-thon

ACE 6976325

BPP0002



ACE 6976193-1/L/AC/FF

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

ADEC Sep/Oct 1989 Survey

STREAM! SEG! LOCATION? FIELDLOG...

could this be BP009? 26/1
AN
BP002.

NOFAC MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: ES (S) DE TS AVS SCHA HNS PTA 2 REGION: (PNS) KP, CI K, AP

METHOD: Aerial (Ground) Boat

3 DATE: 4/24/90 15 HIGH TIDE TIMES: 0059, 1347 21 TEAM RECORDER: M. WIEDMER

4 START TIME: 0830 16 HIGH TIDE HTS: 12.5, 10.9 22 OBSERVERS: T. CROWE

5 STOP TIME: 0850 17 LOW TIDE TIMES: 0731, 1935 23 AGENCY: ADFG

6 SEGMENT #: BA-002 18 LOW TIDE HTS: -2.2, 0.7 24 PHOTOS TAKEN: Y (N)

7 STATION #: BA-002 A 19 TIDE HT AT SURVEY: -1.29' Roll #: _____ Frames: _____

8 K-UNIT: BP002 mt 10/24/91 Ebb (Flood) Slack 25 VIDEO TAKEN: Y (N) TAPES: _____

9 STAT AREA: _____ 29 USGS QUAD: _____ Starts: _____ Ends: _____

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

12 SOURCE: Map Loran

13 LOCATION: BAINBRIDGE PASSAGE

14 DESCRIPTION: _____

27 SURFACE COVERAGE

28 SURFACE THICKNESS

29 PENETRATION

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

31 OIL TYPES: Pooled (House) Tar Asphalt Sticky Stain

32 OILED DEBRIS: Y (N)

33 SHORELINE TYPE: Hardland Low-lying Rocks Beach (Cove)

34 WAVE EXPOSURE: High Moderate (Low)

35 SUBSTRATE TYPE: Bedrock 10 Boulder 10 Cobble 40

Gravel 40 Sand _____ Mud/silt _____

36 CATALOGED ANAD. FISH SKELET Y (N)

37 CATALOG #: 226UNCAT 02

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

ALEXINS PRESUMED

EXTENT OF OIL

	SHORELINE				STREAM			
	L	V	N	S	L	V	N	S
27 SURFACE COVERAGE	100	75		41	75	1		0
28 SURFACE THICKNESS	2cm							
29 PENETRATION								

Where: _____

43 ANADROMOUS FISH PRESENT? Y (N)

ALEXINS PRESUMED

44 ANADROMOUS FISH OBSERVATION

Species Aerial Ground

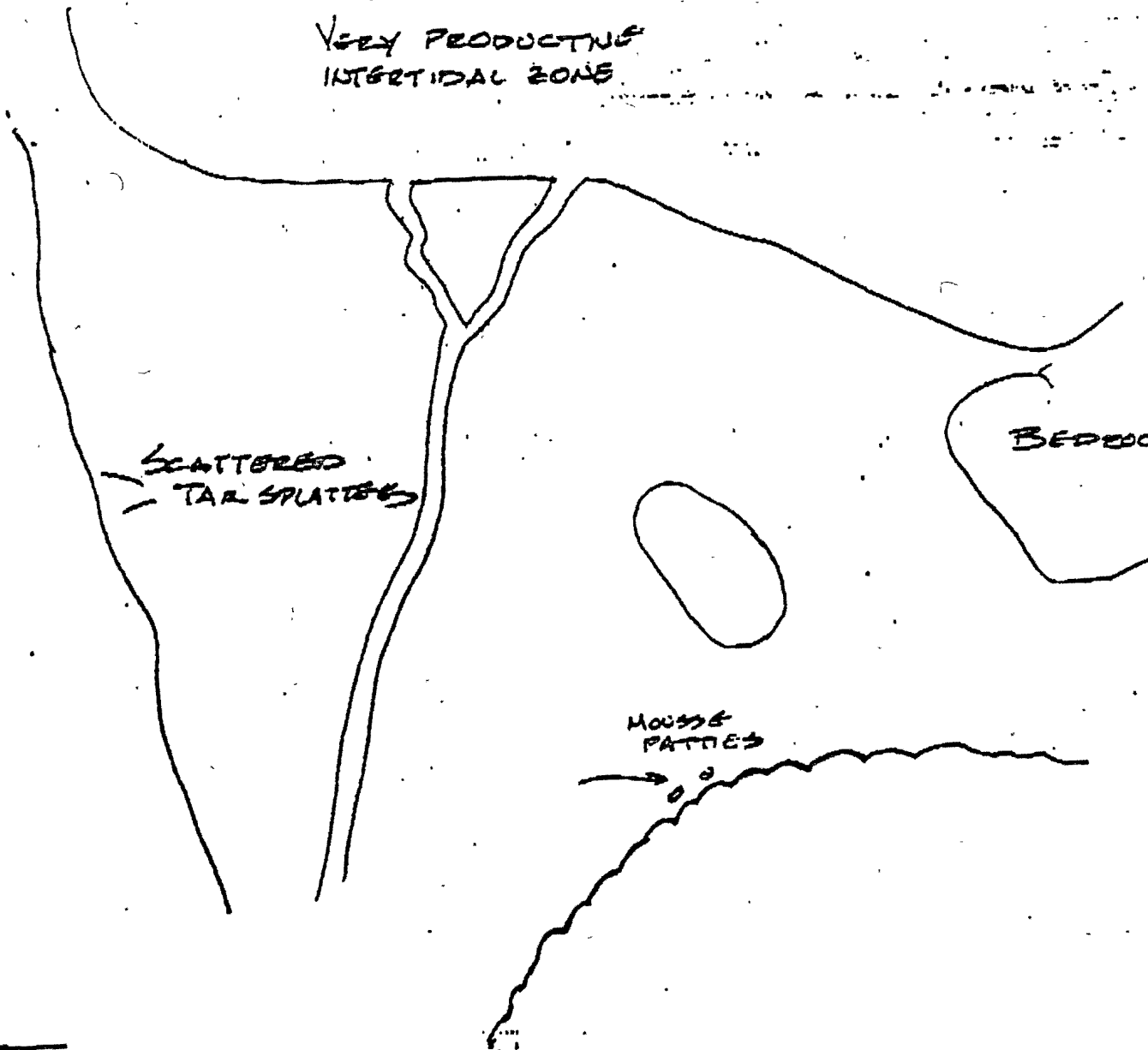
COMMENTS: VERY RICH BIOTA IN INTERTIDAL ZONE.
1-2 PATRES IN BOULDER RUBBLE SOUTH OF CHANNEL
2-3 TAR SPLATTERS IN BOULDER NORTH OF CHANNEL.

ENTERED 10/10/91 ks.

FRAME(S)	DESCRIPTION
	RECOMMENDATIONS: MANUAL REMOVAL OF MOUSE
	PATTIES - DONE BY CREW - NO FURTHER
	TREATMENT REQUIRED.
	I agree with recommendations. <i>MA Fawcett</i>

48 OIL DISTRIBUTION DIAGRAM

← N



smile taken
from frame # and /
not direction.

ATW
Pre-ANADSCAT-90

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: 4/13/90

15 HIGH-TIDE TIMES: 1

21 TEAM RECORDER: TOM CROWE

4 START TIME: 0945

16 HIGH TIDE HTS: 1

22 OBSERVERS: GREG CHENEY (EX 400)

5 STOP TIME: 0955

17 LOW TIDE TIMES: 1

23 AGENCY: ADF&G ATW

6 SEGMENT #: 8002

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: BAINBRIDGE PASSAGE

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 SREAM? Y N

37 CATALOG #: NO ASC

38 STREAM NAME: 226 INCAT #2

39 OIL IN STREAM BED? Y N

40 OIL ON STREAM BANKS? 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 Cobble Gravel Sand Mud/silt

COMMENTS: SMALL AMOUNTS OF ASPHALT IN UPPER TIDE LINE

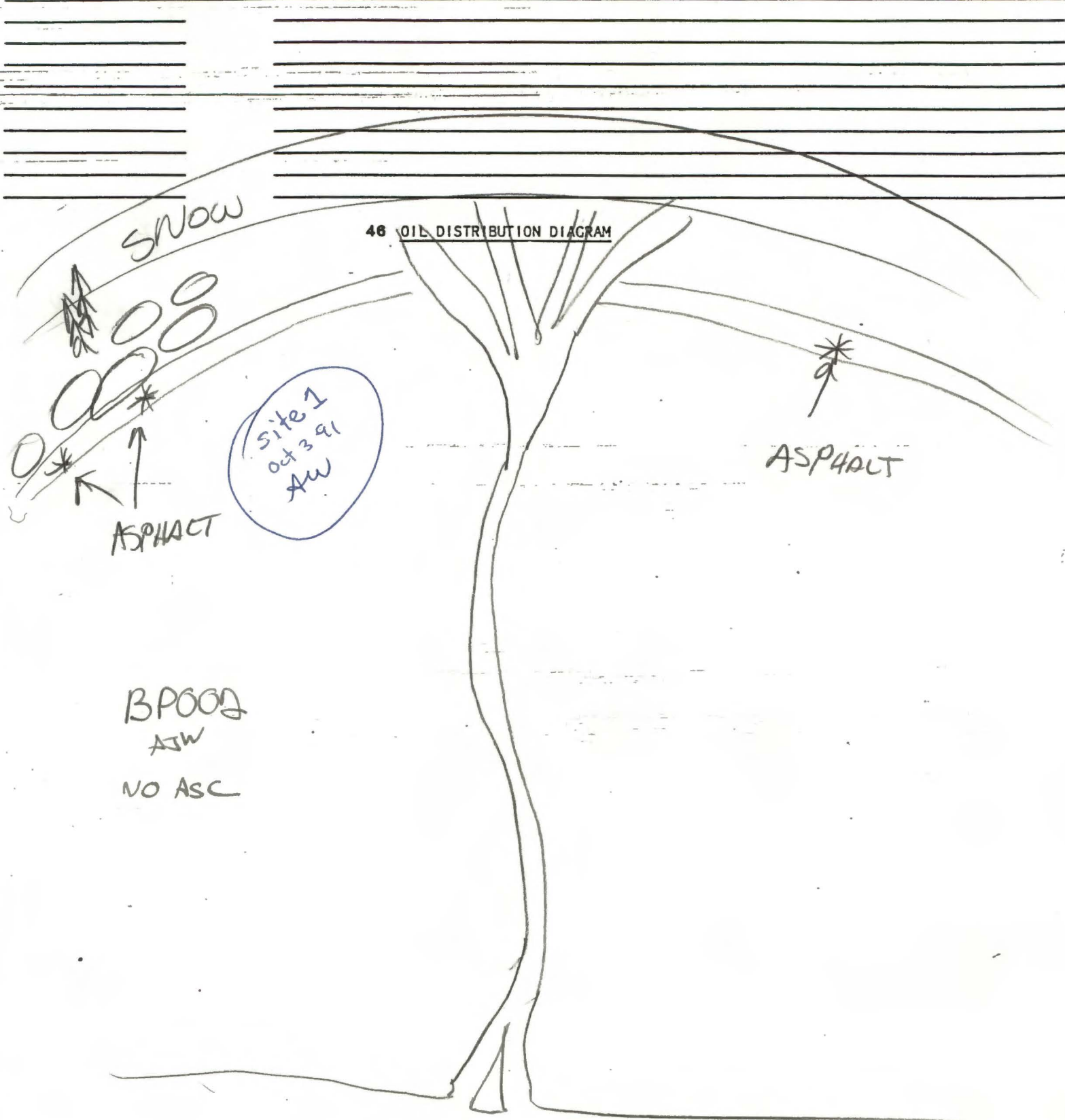
ended 10/10/91

KS.

ACE 6976326 +/AC

FRAME(S)

DESCRIPTION



= Sample taken
= Photo frame # and
shot direction.

ACE 6976327-1/10/91