

BP-004 ASC 16397 site #4
POINT COUNTESS

ACE 1369518 

)
)

- 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. surv.)
____ '90 ASAP Survey ____ ASAP Rec. ____ ADEC Rec. (Fall)
____ '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: 8-1-90

15 HIGH TIDE TIMES: 1

21 TEAM RECORDER: Gustin/Weseman

4 START TIME: 1320

16 HIGH TIDE HTS: 1

22 OBSERVERS: —

5 STOP TIME: 1450

17 LOW TIDE TIMES: 3.58 pm

23 AGENCY: ADFG HABITAT

6 SEGMENT #: BP004

18 LOW TIDE HTS: 591

24 PHOTOS TAKEN: 1 N

7 STATION #:

19 TIDE HT AT SURVEY:

Roll #: Frame:

8 K-UNIT:

Ebb Slack Flood Slack

25 VIDEO TAKEN: Y N TAPE#: 90RLG0095f

9 STAT AREA:

20 USCG QUAD:

Start: 0000 End: 709

10 LAT:

11 LONG:

26 SAMPLES TAKEN? Y N Number

12 SOURCE: Map Loran

Oil

13 LOCATION: Point Countess

Sediment

14 DESCRIPTION:

Biological

Water

EXTENT OF OIL

	SHORELINE				STREAM			
	L	W	M ²	%	L	W	M ²	%
27 SURFACE COVERAGE								

36 CATALOGED ANAD. FISH SREAM? Y N

	SHORELINE				STREAM			
	L	W	M ²	%	L	W	M ²	%
28 SURFACE THICKNESS	7cm	4cm						
29 PENETRATION		11cm						

37 CATALOG #: 226-20-16397

38 STREAM NAME:

30 OVERALL OIL IMPACT: N VL L M H

39 OIL IN STREAM BED? Y N

31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain

40 OIL ON STREAM BANKS? 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: On streambanks just reat gravel

43 ANADROMOUS FISH PRESENT? Y N

34 WAVE EXPOSURE: High Moderate Low

44 ANADROMOUS FISH OBSERVATION

35 SUBSTRATE TYPE: Bedrock 5 Boulder Cobble 35

Gravel 50 Sand 5 Mud/silt 5

Species Aerial Ground

Pink		X

COMMENTS: East side - 50m long x 6m wide broken tar mat turning patchy in the LUITZ

ACE 7355095

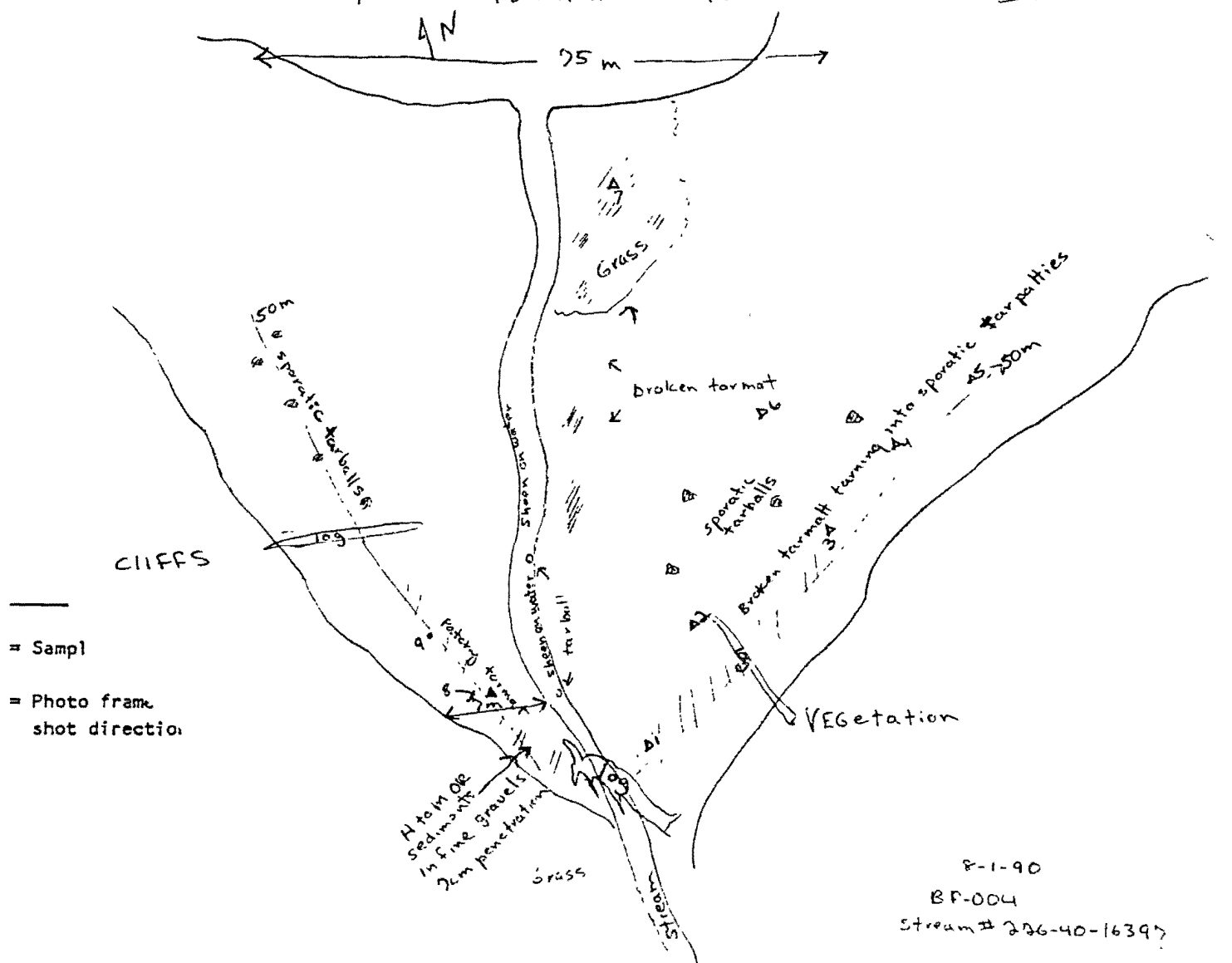
East side - LUITZ - Broken tar mat - 5 to 3m from stream bank, parallel to bank for 30m from grassy area in LUITZ to MITZ
Only sediments/Oil in stream bed itself - silver, gold, red seen being released

FRAME(S)

DESCRIPTION

2m east of stream	east	pit #1	9cm deep	2cm oil from top down	LUITZ
13m 60cm east of stream		pit #2	9cm deep	4cm " " "	"
28m 40cm " "		pit #3	5cm deep	2-3cm " " "	"
32m 90cm " "		pit #4	9cm " "	4cm " "	"
42m		pit #5	16cm " "	2cm " " "	in OR
36m		pit #6	12cm " "	no visible oil	LMITZ
3m		pit #7	8cm " "	4cm hor	LUITZ
4m west side	west side	pit #8	20cm " "	1cm clean - 11cm heavy OR/mousse in MITZ	
2m from log - down stream		pit #9	12cm " "	4cm tar mat in MITZ	
18.3 " " "		pit #10	10cm " "	3cm tar mat " "	
39.1 " " "		pit #11	12cm " "	6cm tar mat " "	4MITZ
49 " " "		pit #12	12cm " "	4cm tar mat " "	MITZ

48 OIL DISTRIBUTION DIAGRAM



8-1-90

BF-004

Stream # 226-40-16397

ACE 7355096

IN (MAD)

ADF&G MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: 25 SS OS TS AVS SCMA MMS PTA

2 REGION: PWS KP,CI X,AP

METHOD: Aerial Ground Boac

3 DATE: 8-1-90

15 HIGH TIDE TIMES: 1

21 TEAM RECORDER: Gustia/Wasserman

4 START TIME: 1220

16 HIGH TIDE HTS: 1

22 OBSERVERS: _____

5 STOP TIME: 1450

17 LOW TIDE TIMES: 358 pm

23 AGENCY: ADFG Wash. State

6 SEGMENT #: BD004

18 LOW TIDE HTS: 5.9

24 PHOTOS TAKEN: Y Y

7 STATION #: _____

19 TIDE HT AT SURVEY: _____

Roll #: _____ Frames: _____

8 K-UNIT: _____

Ebb Slack Flood Slack

25 VIDEO TAKEN: Y N TAPES: 00PLG0095

9 STAT AREA: _____

20 USCG QUAD: _____

Start: 0000 End: 709

10 LAT: _____

11 LONG: _____

26 SAMPLES TAKEN? Y N Number _____

12 SOURCE: Map Loran

Oil _____

13 LOCATION: Point Countess

Sediment _____

14 DESCRIPTION: _____

Biological _____

Water _____

EXTENT OF OIL

	SHORELINE				STREAM			
	L	N	H ²	%	L	N	H ²	%
27 SURFACE COVERAGE								
28 SURFACE THICKNESS	7cm	4cm						
29 PENETRATION		11cm						

30 OVERALL OIL IMPACT: N VL L H 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 5 Boulder _____ Cobble 35

Gravel 50 Sand 5 Mud/silt 5

36 CATALOGED ANAD. FISH SREAK? Y N

37 CATALOG #: 226-20-16397

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: on stream banks in stream
gravel

43 ANADROMOUS FISH PRESENT? Y N
Off-shore

44 ANADROMOUS FISH OBSERVATION

Species Aerial Ground

<u>Pink</u>		X

COMMENTS: East side - 50m long x 5m wide broken toment turning
patchy in the LUITZ

East - de - LUITZ - broken toment - 5 to 3m from stream bank, paralleling

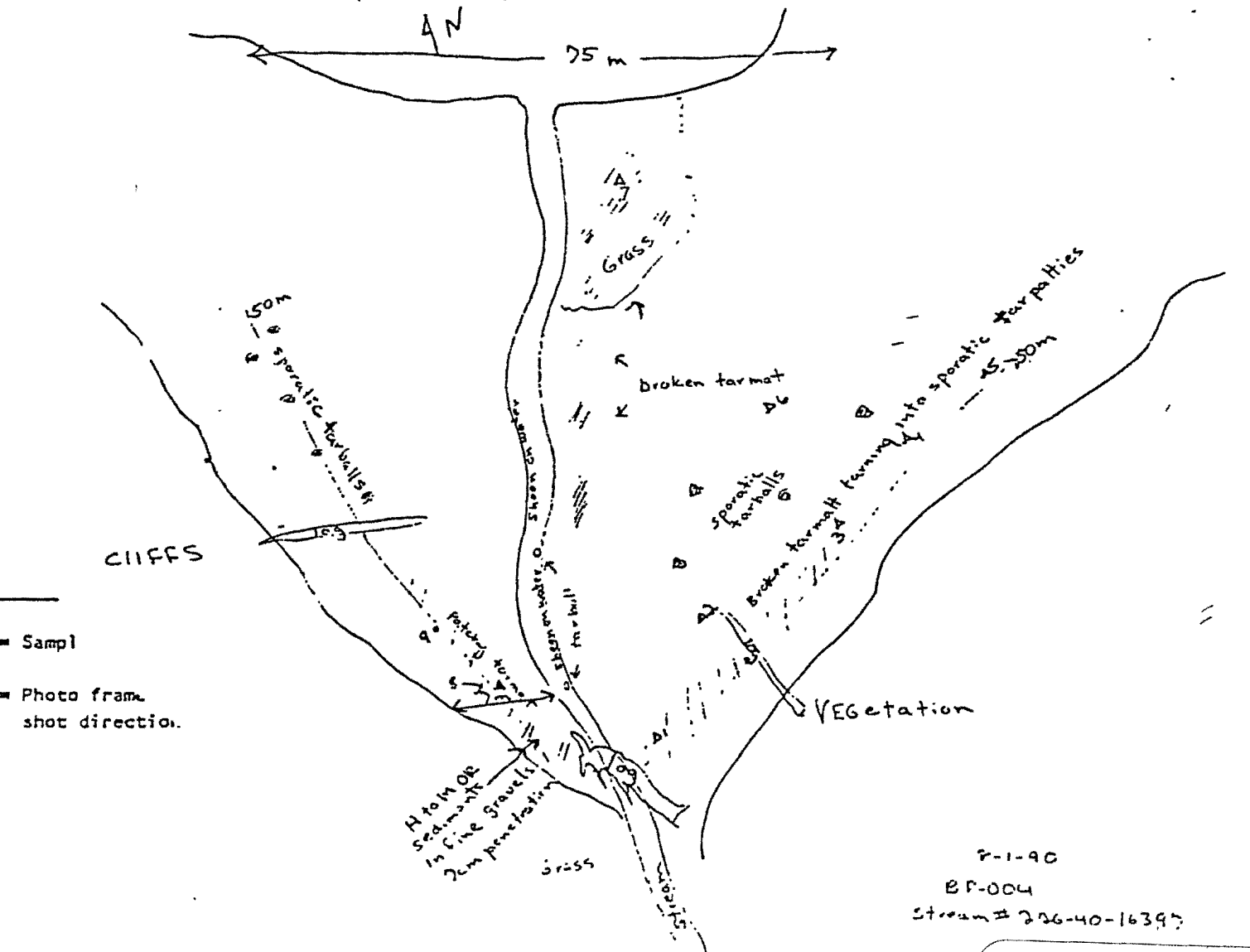
bank for 30m from grassy area in LUITZ to KUITZ ACE 7355385+9

AME(S)

DESCRIPTION

1m east of stream	pit #1	9cm deep	- 2cm oil from top down	- LMITZ
2m 60cm east of stream	pit #2	9cm deep	- 4cm " " "	" "
3m 40cm " "	pit #3	5cm deep	- 2-3cm " " "	" "
7m 90cm " "	pit #4	9cm " "	4cm " "	" "
7m	pit #5	16cm " "	2cm " "	" "
6m	pit #6	12cm " "	- no visible oil	LMITZ
3m	pit #7	8cm " "	4cm " "	LMITZ
1m west side	pit #8	20cm " "	1cm clean - 11cm heavy OR/mousse in MITZ	
2m from loc across stream	pit #9	12cm " "	4cm tar mat in MITZ	
3m from loc - downstream	pit #10	10cm " "	3cm tar mat " "	
3.3 " " "	pit #11	12cm " "	6cm tar mat " 4MITZ	
4.1 " " "	pit #12	12cm " "	4cm tar mat " MITZ	
4 " " "				

48 OIL DISTRIBUTION DIAGRAM



2-1-90

BP-004

Stream # 236-40-16395

ACE 7355386

-15

ADF&G MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: BS SS DS TS AVS SCMA MMHS PTA

2 REGION: PWS KP,CI K,AP

METHOD: Aerial Ground Boat

3 DATE: 8-1-90

15 HIGH TIDE TIMES: 1

21 TEAM RECORDER: Gustin/Weseman

4 START TIME: 1320

16 HIGH TIDE HTS: 1

22 OBSERVERS: _____

5 STOP TIME: 1450

17 LOW TIDE TIMES: 3:58 pm

23 AGENCY: ADFG HABITAT

6 SEGMENT #: BP004

18 LOW TIDE HTS: 591

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#: 90RLG00954

9 STAT AREA:

20 USCG QUAD:

Start: 0000 End: 709

10 LAT:

11 LONG:

26 SAMPLES TAKEN? Y N Number

12 SOURCE: Map Loran

Oil _____

13 LOCATION: Point Countess

Sediment _____

14 DESCRIPTION:

Biological _____

Water _____

EXTENT OF OIL

	SHORELINE				STREAM			
	L	W	M ²	%	L	W	M ²	%
27 SURFACE COVERAGE								

36 CATALOGED ANAD. FISH SREAM? Y N

	L	W	M ²	%
28 SURFACE THICKNESS	7cm	4cm		
29 PENETRATION		1cm		

37 CATALOG #: 226-20-16397

38 STREAM NAME: _____

30 OVERALL OIL IMPACT: N VL L M H

39 OIL IN STREAM BED? Y N

31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain

40 OIL ON STREAM BANKS? 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: on streambanks, instream gravels
43 ANADROMOUS FISH PRESENT? Y N
Off-shore

34 WAVE EXPOSURE: High Moderate Low

44 ANADROMOUS FISH OBSERVATION
Species Aerial Ground

35 SUBSTRATE TYPE: Bedrock 5 Boulder _____ Cobble 35
Gravel 50 Sand 5 Mud/silt 5

Pink		X

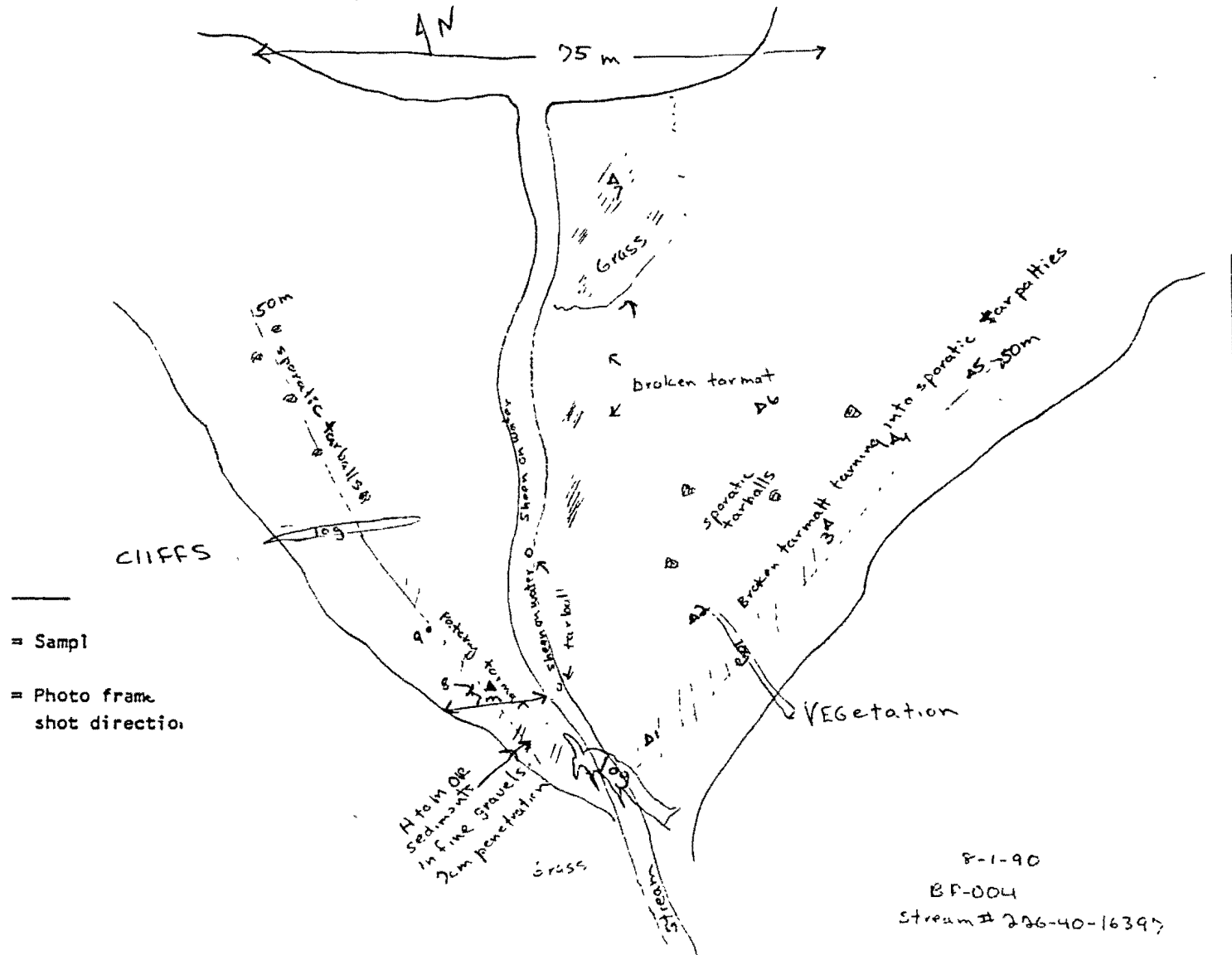
COMMENTS: East side - 50m long x 6m wide broken tar mat turning patchy in the LUITZ ACE 7355940

East side - LUITZ - Broken tar mat - 5 to 3m from stream bank, paralleling bank for 30m from grassy area in LITZ to MITZ

Gily so (H) ants/GIF in stream bet itself - silver, gold, red - been being released

2m east of stream	pit #1	9cm deep	2cm oil from top down	LIMITZ
13m 60cm east of stream	pit #2	9cm deep	4cm " " "	"
28m 40cm " "	pit #3	5cm deep	2-3cm " " "	"
37m 90cm " "	pit #4	9cm " "	4cm " "	"
47m	pit #5	16cm " "	2cm " " "	in OR
36m	pit #6	12cm " "	no visible oil	LIMITZ
3m	pit #7	8cm " "	4cm " "	LIMITZ
4m west side 4m from log across stream	pit #8	20cm " "	1cm clean - 11cm heavy OR/mousse in MITZ	
2m from log - downstream	pit #9	12cm " "	4cm tar mat in MITZ	
18.3 " " " "	pit #10	10cm " "	3cm tar mat " "	
39.1 " " " "	pit #11	12cm " "	6cm tar mat " "	4 MITZ
49 " " " "	pit #12	12cm " "	4cm tar mat " "	MITZ

OIL DISTRIBUTION DIAGRAM



8-1-90

BP-004

Stream # 226-40-16397

ACE 7355941



Fall - 90

ADF&G MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: BS SS DS TS AVS SCHA MMS PTA2 REGION: PWS KP, CI K, APMETHOD: Aerial Ground Boat3 DATE: 8-1-9015 HIGH TIDE TIMES: 121 TEAM RECORDER: Gustin/Weseman4 START TIME: 132016 HIGH TIDE HTS: 122 OBSERVERS: —5 STOP TIME: 145017 LOW TIDE TIMES: 3.58 pm23 AGENCY: ADF&G HABITAT6 SEGMENT #: BP00418 LOW TIDE HTS: 5.924 PHOTOS TAKEN: Y N

7 STATION #:

19 TIDE HT AT SURVEY:

Roll #: Frame:

8 K-UNIT:

Ebb Slack Flood Slack25 VIDEO TAKEN: Y N TAPES: 90RLG0095F

9 STAT AREA:

20 USCG QUAD:

Start: 0000 End: 709

10 LAT:

11 LONG:

26 SAMPLES TAKEN? Y N Number12 SOURCE: Map Loran13 LOCATION: Point Countess

14 DESCRIPTION:

Oil

Sediment

Biological

Water

EXTENT OF OIL

27 SURFACE COVERAGE

SHORELINE				STREAM			
L	W	M ²	%	L	W	M ²	%

28 SURFACE THICKNESS

7cm	4cm						
		11cm					

29 PENETRATION

30 OVERALL OIL IMPACT: N VL L M H31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain32 OILED DEBRIS? Y N33 SHORELINE TYPE: Headland Low-lying Rocks Beach Cove
Lagoon Marsh

34 WAVE EXPOSURE: High Moderate Low

35 SUBSTRATE TYPE: Bedrock 5 Boulder Cobble 35Gravel 50 Sand 5 Mud/silt 536 CATALOGED ANAD. FISH STREAM? Y N37 CATALOG #: 226-20-16397

38 STREAM NAME:

39 OIL IN STREAM BED? Y N40 OIL ON STREAM BANKS? Y N41 OIL ON BEACH ADJACENT TO MOUTH? Y N
(within 50 meters)42 OIL WITHIN 1 MILE OF STREAM? Y NWhere: On streambanks instream gravels43 ANADROMOUS FISH PRESENT? Y N

44 ANADROMOUS FISH OBSERVATION

Species Aerial Ground

pink		X

COMMENTS: East side - 50m long x 6m wide broken tar mat turningpatchy in the LUITZEast side - LUITZ - Broken ^{thin} tar mat - 5 to 3m from stream bank, paralleling
bank for 30m from grassy area in LUITZ to MITZGily sediments/Oil in stream bed itself - silver, gold, red sheen being releasedWest side - 23m ^{wide} Band of H to M OR sediments by stream bank - 10m from log -
changing to broken tar mat/tar balls for 40m in MITZ

ACE 6976529 t/s

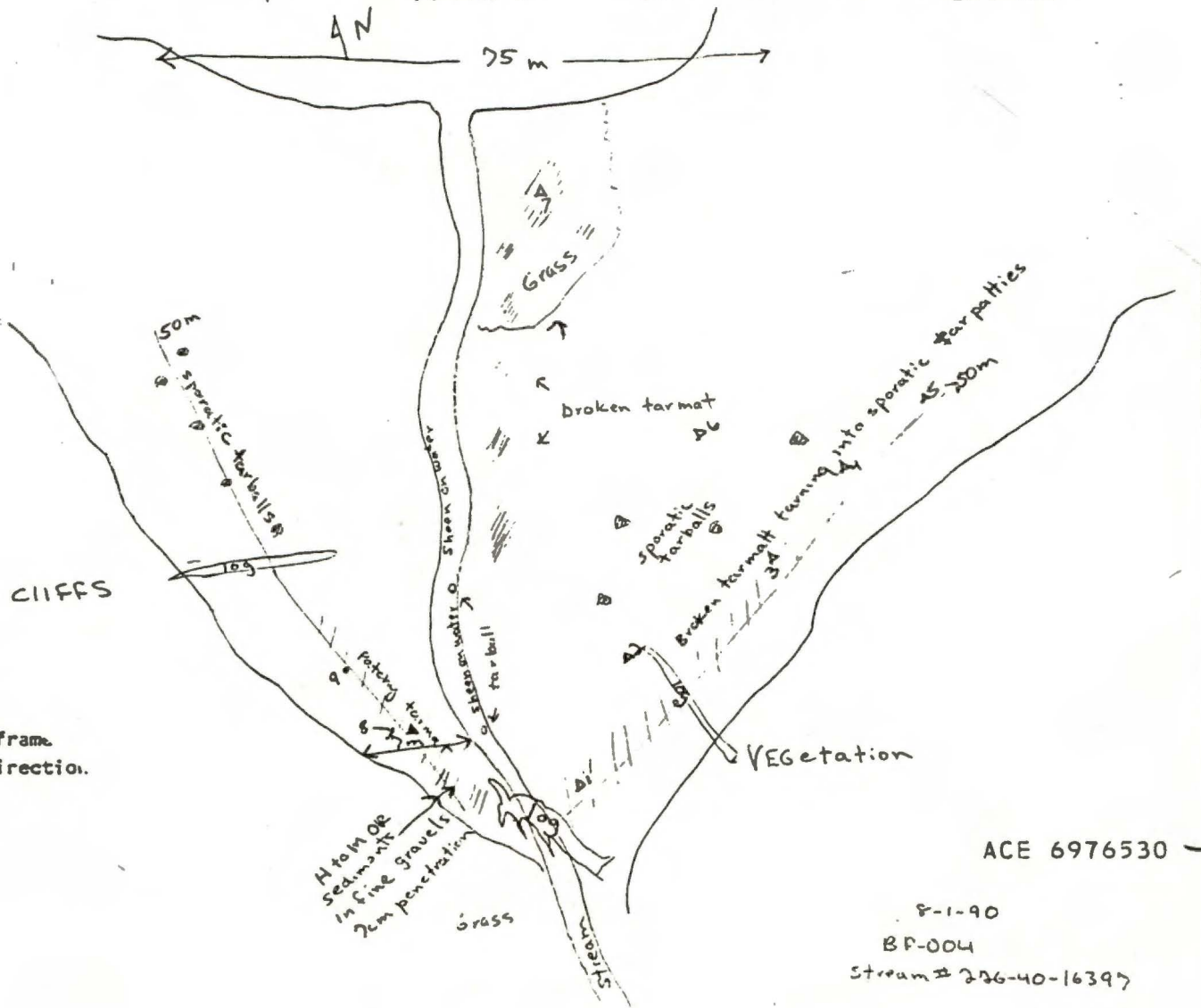
(leave out run 1)

FRAME(S)

DESCRIPTION

2m east of stream	pit #1 - 9cm deep - 2cm oil from top down - LMITZ
13m 60cm east of stream	pit #2 9cm deep - 4cm " " " "
28m 40cm " "	pit #3 5cm deep - 2-3cm " " " "
37m 90cm " "	pit #4 9cm " 4cm " " "
47m	pit #5 16cm " 2cm " " "
36m	pit #6 12cm " - no visible oil LMITZ
3m	pit #7 8cm " 4cm " " - 11 LITZ
4m west side from log across stream	pit #8 20cm " 1cm clean - 11cm heavy OR/mousse in MITZ
2m from stream	pit #9 12cm " 4cm tarmat in MITZ
13m from log - downstream	pit #10 10cm " 3cm tarmat " "
18.3 " " " "	pit #11 12cm " 6cm tarmat " 4MITZ
39.1 " " " "	pit #12 12cm " 4cm tarmat " MITZ
49 " " " "	

OIL DISTRIBUTION DIAGRAM



ACE 6976530 -12

8-1-90

BP-004

Stream # 226-40-16397

ASC NUMBER:	SEGMENT NUMBER:	YR CATALOGED:
LOCATION:		
STREAM NAME:		LATITUDE:
DIAK K-UNIT: .	LOCAL STREAM #:	LONGITUDE:
USGS QUADRANGLE:		LEGAL:
SHORELINE TYPE:	ALL SEGMENTS:	
WAVE EXPOSURE: Low		

ASC NUMBER: 226-20-16397
SURVEY TYPE:
METHOD:
DATE: 8/1/90
START TIME:
STOP TIME:

TEAM RECORDER:
OBSERVERS:

AGENCY (IES) :

PHOTOS TAKEN?

Roll #: Frames:

VIDEO TAKEN? Tape Number:

Counter Start:

SAMPLES TAKEN?

SAMPLE I.D. NUMBERS: 1.
4.

2. 3.
5. 6.

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1	50	6				2-7	AP/ FB PT
SITE 2	30						AP
SITE 3	40	2-3			4	7	HOR/TB
SITE 4							
SITE 5							

OVERALL OIL IMPACT:

OIL IN STREAM CHANNEL?

-SUBSTRATE-

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? YES

SUBSTRATE	
Bedrock	Granule
Boulder	Sand
Cobble	Silt
Pebble	Veget.

SPECIES	PISA				
COUNT					

COMMENTS:

ADW
Pre-ANADSCAT-90

ADF&G MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: BS SS DS TS AVS SCHA MHHS 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: 1600

16 HIGH TIDE HTS: 1

22 OBSERVERS: GREEN CHENEY (EXXON)

5 STOP TIME: 1008

17 LOW TIDE TIMES: 1

23 AGENCY: ADF&G, EXXON

6 SEGMENT #: BP004

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

13 LOCATION: PT. COUNTERSS

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 _____ Cobble X
Gravel X Sand _____ Mud/silt _____

36 CATALOGED ANAD. FISH SREAM? Y N

37 CATALOG #: 16397

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: THICK ASPHALT IN AND NEXT TO CREEK IN UPOLE AND MID
INTERIOL ZONES

ACE 6976586 +15

AE(S)

DESCRIPTION

PT COUNTS

48 OIL DISTRIBUTION DIAGRAM

4/13/90

206-20 / 6397
BP004

TWC

ASPHALT/TAR (HUY)

SNOW

ASPHALT

SNOW

taken
name # and
location.

ACE 6976587 -15

ASC NUMBER:	SEGMENT NUMBER:	YR CATALOGED:
LOCATION:		
STREAM NAME:		LATITUDE:
DIAK K-UNIT: .	LOCAL STREAM #:	LONGITUDE:
USGS QUADRANGLE:		LEGAL:
SHORELINE TYPE:	ALL SEGMENTS:	
WAVE EXPOSURE:		

ASC NUMBER: 226-20-16397
SURVEY TYPE: CFWA
METHOD:
DATE: 4/13/90
START TIME:
STOP TIME:

TEAM RECORDER:
OBSERVERS:

AGENCY (IES) :

PHOTOS TAKEN?

Roll #: Frames:

VIDEO TAKEN? Tape Number:

Counter Start:

SAMPLES TAKEN?

SAMPLE I.D. NUMBERS: 1.
4.

2. 3.
5. 6.

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1							AP/ FB
SITE 2							
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT: 4

OIL IN STREAM CHANNEL?

-SUBSTRATE-

OIL ON BEACH WITHIN 50M OF STREAM MOUTH?

SUBSTRATE	
Bedrock	Granule
Boulder	Sand
Cobble	Silt
Pebble	Veget.

SPECIES	PISA				
COUNT	0				

COMMENTS:



ANADSCAT

DISPERSY

ACF&G MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: ES SS CS TS AVS SC&A MMS PTA 2 REGION: PWS KP,CI K,AP

METHOD: Aerial Ground Boat

3 DATE: 4/23/90 15 HIGH TIDE TIMES: 0021 / 1257 21 TEAM RECORDER: M. WIEDNER

4 START TIME: 1745 16 HIGH TIDE HTS: 11.5' / 10.5' 22 OBSERVERS: T. CROWE

5 STOP TIME: 1830 17 LOW TIDE TIMES: 0648 / 1855 23 AGENCY: ADFFC

6 SEGMENT #: BA-004 18 LOW TIDE HTS: -0.8' / 0.5' 24 PHOTOS TAKEN: Y N

7 STATION #: 226-20-16397 19 TIDE HT AT SURVEY: 0.68' 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 011 _____

13 LOCATION: POINT COUNTESS Sediment _____

14 DESCRIPTION: _____ Biological _____

Water _____

EXTENT OF OIL

	SHORELINE				STREAM			
	L	W	M ²	%	L	W	M ²	%
27 SURFACE COVERAGE	100	100		10	100	3		2
28 SURFACE THICKNESS	5	7	10	1mm	5mm	3cm		
29 PENETRATION	10	15	8	1cm	5cm	2mm		

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 Cave

Lagoon Marsh

34 WAVE EXPOSURE: High Moderate Low

35 SUBSTRATE TYPE: Bedrock Boulder 5 Cobble 45

Gravel 50 Sand _____ Mud/silt _____

36 CATALOGED ANAD. FISH STREAM? Y N

37 CATALOG #: 226-20-16397

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

ALEVIN'S PRESUMED

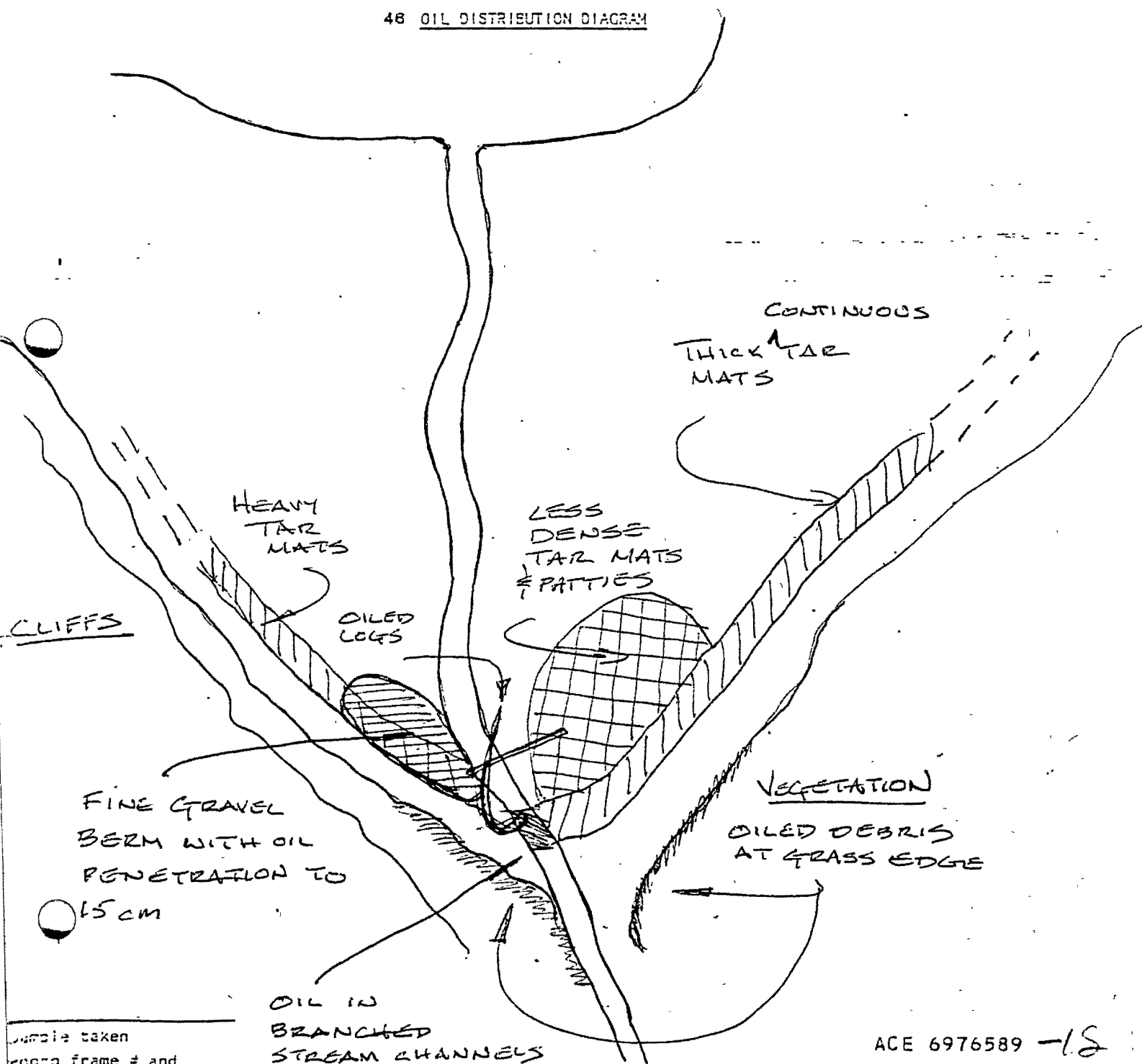
ANADROMOUS FISH OBSERVATION

Species	Aerial	Ground

COMMENTS: VERY HEAVY BAND OF THICK TAR RINGING THE HIGH TIDE LINE ON BOTH SIDES OF CHANNEL & THROUGH CHANNEL. OILED LOGS IN CHANNEL. OILED DEBRIS IN GRASS AT STREAM EDGE. FINE GRAVELED BERM ON W. BANK OF STREAM W/ LIGHT TO MODERATE OIL PENETRATION TO MINIMUM OF 10 CM.

DESCRIPTION

RECOMMENDATIONS: MANUAL REMOVAL OF ALL SURFACE
TAR MATS. REMOVAL OF OILED DEBRIS FROM GRASS
AT EDGE OF STREAM - BOTH BANKS - SUPRATIDAL.
REMOVAL OF OILED LOGS IN STREAM CHANNEL - UPPER
INTERTIDAL. REMOVAL OF OILED SUBSTRATE WITHIN
STREAM CHANNEL.

48 OIL DISTRIBUTION DIAGRAM

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

ASC NUMBER: 226-20-16397
 SURVEY TYPE:
 METHOD:
 DATE: 4/23/90
 START TIME:
 STOP TIME:

TEAM RECORDER:
 OBSERVERS:
 AGENCY(IES):
 PHOTOS TAKEN?
 Roll #: Frames:
 VIDEO TAKEN? Tape Number:
 Counter Start:

SAMPLES TAKEN?

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

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1							EA AP
SITE 2							AP/PT
SITE 3						10	LOR/MOR
SITE 4							
SITE 5							

OVERALL OIL IMPACT:

OIL IN STREAM CHANNEL?

SUBSTRATE

Bedrock Granule
 Boulder Sand
 Cobble Silt
 Pebble Veget.

OIL ON BEACH WITHIN 50M OF STREAM MOUTH?

SPECIES	PLSA				
COUNT	0				

COMMENTS:

Recommendation: Manual removal of all surface tar mats.
 Removal of oiled debris from grass at edge of stream —
 both banks — supratidal. Removal of oiled logs in stream
 channel, upper intertidal. Removal of oiled substrate
 within stream channel.

ADF&G MULTI-ASSESSMENT DATA FORM

- 1) SURVEY TYPE: BS (SS) 2) REGION: (PWS) KP, CI K, AP
- 3) METHOD: Aerial (Ground) Boat
- 4) DATE: 5/5/91 16) HIGH TIDE TIME: _____ 22) TEAM RECORDER: Tom Crowe
- 5) START TIME: 1510 17) HIGH TIDE HTS: _____ 23) OBSERVERS: AIMEE WESEMAN
- 6) STOP TIME: 1600 18) LOW TIDE TIMES: 1230 24) AGENCY: ADF&G
- 7) SEGMENT #: BPO04 19) LOW TIDE HTS: +1.6 25) PHOTOS TAKEN: Y (N)
- 8) K-UNIT: _____ 20) TIDE HT AT SURVEY: +4 to +5 ROLL #: _____ FRAMES: _____
- 9) LAT: _____ Ebb Slack (Flood) Slack 26) VIDEO TAKEN: Y (N)
- 10) LONG: _____ 21) USCG QUAD: _____ TAPE #: _____
- 11) ASC #: 226-20-16397 START: _____ STOP: _____
- 12) STREAM NAME: _____ 27) SAMPLES TAKEN? Y (N)
- 13) LOCATION: PT COUNTESS BANBRIDGE MAINLAND SAMPLE I.D. _____
- 14) WAVE EXPOSURE: High Moderate (Low)
- 15) SHORELINE TYPE: Headland Low-lying Rocks (Beach)
- (Cove) Lagoon Marsh

28) EXTENT OF OIL

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1	<u>300</u>	<u>3</u>	<u>900</u>	<u>15</u>	<u>+5cm</u>		<u>AP/HSOR</u>
SITE 2	<u>20</u>	<u>20</u>	<u>400</u>	<u>1</u>	<u>+3cm</u>		<u>AP/SOR</u>
SITE 3							
SITE 4							
SITE 5							

- 29) OVERALL OIL IMPACT: 33) ANADROMOUS FISH PRESENT: Y (N)
- H = >6m band with ≥50% oil coverage
- (M) = >6m band with ≤50% oil coverage or ≥3m to ≤6m with ≥10% oil coverage
- L = <3m band with >10% oil coverage
- VL = ≤10% oil coverage regardless of band width
- N = No oil observed
- 34) WILDLIFE OBSERVATION

Species	Number
<u>goldeneye</u>	<u>1</u>
<u>raven</u>	<u>1</u>
<u>deer</u>	<u>1</u>

- 30) OIL IN STREAMBED: Y (N)
- 31) OIL ON BEACH ADJACENT TO MOUTH: (Y) (N)
- 32) SUBSTRATE TYPE (PERCENT):

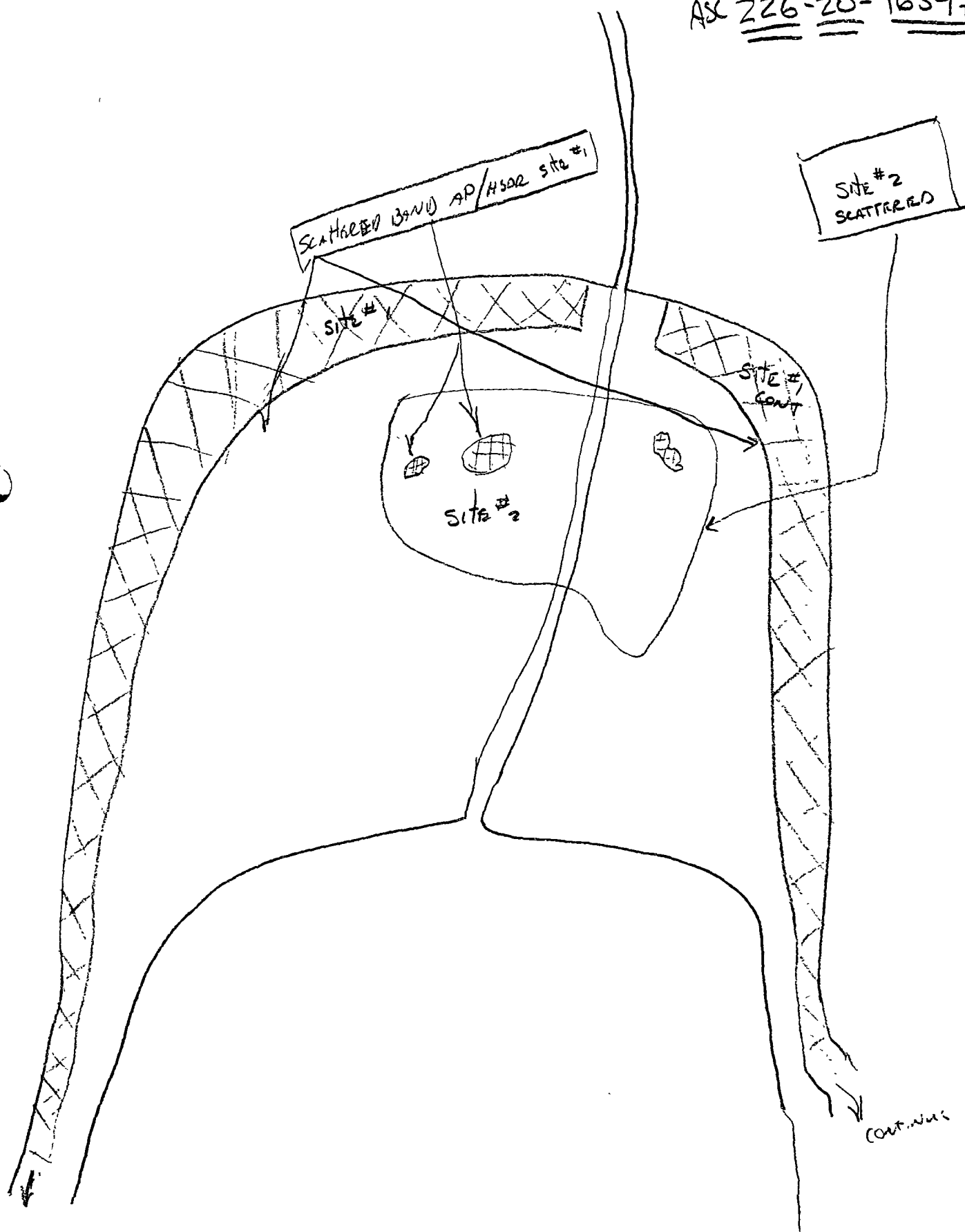
Bedrock _____ Boulder 5% Gravel 90% Sand 5% Cobble _____ Mud/Silt _____

- 35) COMMENTS: THIS BEACH STILL HAS HEAVY^{SOP} AP DEPOSITS WHICH SHOULD BE REMOVED. PICK UP DONE AT THE TIME OF SURVEY WAS INADEQUATE. ALSO^{TRUE} EXTENT OF HSOR/AP DEPOSITS WERE NOT SHOWN ON RAXON OG. SKETCH. MORE PICK UP NEEDS TO BE DONE

BOOK

5/5/91

ASX 226-20-16397



CATALOG NUMBER: 2262016397 SEGMENT#: BP004 A LOCATION: MAINLAND, BAINBRIDGE PASSAGE, POINT COUNTESS							
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	AP BAND - BOTH SIDES OF STREAM AND THROUGH STREAM IN UITZ AND MITZ.
MAD vs. OG: COMMENTS: OIL ON STREAM BANKS.							

CATALOG NUMBER: 2262016397 SEGMENT#: BP004 A LOCATION: MAINLAND, BAINBRIDGE PASSAGE, POINT COUNTESS							
DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS
04/23/90	ANADSCAT	1	SURFACE	91-100		AP	EAST SIDE: IN UITZ, THICK AND CONTINUOUS TARMAT EXTENDING TO STREAM BANK.
04/23/90	ANADSCAT	2	SURFACE	51-90		AP PT	EAST SIDE: LESS DENSE TARMAT AND PATTIES CLOSER TO STREAM AND ADJACENT TO SITE #1.
04/23/90	ANADSCAT	3	SURFACE			AP	OIL IN BRANCHED STREAM CHANNELS.
04/23/90	ANADSCAT	4	BOTH		0-15	AP OR	WEST SIDE: UITZ - HEAVY AP TO STREAM CHANNEL, AND AREA OF SWASH BERM ALONG STREAM BANK WITH PENETRATION TO 15CM.
MAD vs. OG: COMMENTS: VERY HEAVY BAND OF THICK TAR RINGING THE HIGH TIDE LINE ON BOTH SIDES OF CHANNEL AND THROUGH CHANNEL. OILED LOGS IN CHANNEL. OILED DEBRIS IN GRASS AT STREAM EDGE. FINE GRAVELED BERM ON WEST BANK OF STREAM WITH LIGHT TO MODERATE OIL PENETRATION TO MINIMUM OF 10 CM. RECOMMENDATIONS: MANUAL REMOVAL OF ALL SURFACE TARMATS. REMOVAL OF OILED DEBRIS FROM GRASS AT EDGE OF STREAM - BOTH BANKS - SUPRATIDAL. REMOVAL OF OILED LOGS IN STREAM CHANNEL - UPPER INTERTIDAL. REMOVAL OF OILED SUBSTRATE WITHIN STREAM CHANNEL.							

CATALOG NUMBER: 2262016397 SEGMENT#: BP004 A LOCATION: MAINLAND, BAINBRIDGE PASSAGE, POINT COUNTESS							
DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS

04/23/90	OG'S ANADSCAT	1	3 x 45 SURFACE	51-90	7	AP OR	EAST SIDE - CONTINUOUS TARMAT IN UITZ
04/23/90	OG'S ANADSCAT	2	4 x 20 SURFACE	91-100	7	PT.	EAST SIDE: CONTINUOUS TAR PATTY IN THE MITZ NEAR STREAM BANK.
04/23/90	OG'S ANADSCAT	3	2 x 5 SURFACE	91-100	7	AP	EAST SIDE: CONTINUOUS TAR PATTY IN UITZ ON STREAM BANK. (DIMENSIONS FROM OFN).
04/23/90	OG'S ANADSCAT.	4	10 x 45 BOTH	51-90	7	AP OR 0-15	WEST SIDE OF STREAM TO STREAM CHANNEL: CONTINUOUS AND BROKEN AP BAND. (DIMENSIONS FROM OFN). - UITZ - SUBSURFACE OIL IN SWASH BERM ALONG STREAM BANK.

MAD vs. OG: GENERALLY AGREE
COMMENTS:

CATALOG NUMBER: 2262016397 SEGMENT#: BP004 A LOCATION: MAINLAND, BAINBRIDGE PASSAGE, POINT COUNTESS

DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL (cm)	SITE SPECIFIC COMMENTS
08/01/90	PRE-ASAP	1	6 x 50 SURFACE	11-90	7	AP PT 0-7	EAST SIDE: LUITZ - BROKEN AP TURNING PATCHY.
08/01/90	PRE-ASAP	2	30 SURFACE	51-90	4	AP	EAST SIDE: ALONG STREAM BANK, FROM LITZ TO MITZ - BROKEN AP.
08/01/90	PRE-ASAP	3	2-3 x 40 BOTH		4	AP TB HOR MS 1-11	WEST SIDE: UITZ TO MITZ - BROKEN TARMAT CHANGING TO TAR BALLS, PART OF TARMAT ALONG STREAM BANK.
08/01/90	PRE-ASAP	4	SURFACE			TB OF	IN STREAM CHANNEL: TAR BALLS AND OIL FILM - SILVER, GOLD, RED SHEEN RELEASED.

MAD vs. OG:
COMMENTS:
OIL IN STREAM GRAVELS.

CATALOG NUMBER: 2262016397			SEGMENT#: BP004 A		LOCATION: MAINLAND, BAINBRIDGE PASSAGE, POINT COUNTESS		
DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS
05/05/91	MAYSAP	1	3 x 300 SURFACE	15	+5	AP HSOR	BOTH SIDES: UITZ.
05/05/91	MAYSAP	2	20 x 20 SURFACE	1	+3	AP SOR	BOTH SIDES: MITZ THINLY SCATTERED PATTIES/AP.

MAD vs. OG:
COMMENTS:
THIS BEACH STILL HAS HEAVY 'SOR/AP' DEPOSITS WHICH SHOULD BE REMOVED. PICK UP DONE AT THE TIME OF SURVEY WAS INADEQUATE. ALSO TRUE EXTENT OF 'HSOR/AP' DEPOSITS WERE NOT SHOWN ON EXXON OG SKETCH. MORE PICK UP NEEDS TO BE DONE. OG HAS DISTINCT PATCHES, MAD HAS MORE WIDESPREAD COVERAGE. OG IS MORE DETAILED.

CATALOG NUMBER: 2262016397		SEGMENT#: BP004 A		LOCATION: MAINLAND, BAINBRIDGE PASSAGE, POINT COUNTLESS			
DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS
07/30/91	POST TREATMENT	C	1 x 2 SURFACE			AP	EAST SIDE: UITZ.
07/30/91	POST TREATMENT	D	2 x 21 SURFACE	2		AP	EAST SIDE: LUITZ.
07/30/91	POST TREATMENT	E	1 x 5 SURFACE	5		AP	WEST SIDE: UITZ.
07/30/91	POST TREATMENT	F	2 x 40 SURFACE	10		AP HSOR	WEST SIDE: MITZ.

MAD vs. OG:
 COMMENTS:
 PINKS OBSERVED OFF THE MOUTH. PICKED UP SEDIMENTS IN AREAS C AND D. PARTIALLY TILLED AREA F, WHERE AP/HSOR. MORE UNDOUBTEDLY IS LOCATED UNDER THE FOCUS WASH LINE.
 NO REASSESSMENT RECOMMENDED IN 1992. *SURVEY FOCUSED ON DOCUMENTED OILING TREATED IN 1991.

CATALOG NUMBER: 2262016397							SEGMENT#: BP004 A	LOCATION: MAINLAND, BAINBRIDGE PASSAGE, POINT COUNTESS	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-ANADSCAT	1	SURFACE			AP	ON BOTH SIDES OF STREAM. APB and Both sides of stream & through stream in U & M ITZ		
MAD vs. OG: COMMENTS: THICK ASPHALT IN AND NEXT TO CREEK IN UPPER AND MID INTERTIDAL ZONES. <u>OIL ON STREAM BANKS</u> keep.									

CATALOG NUMBER: 2262016397							SEGMENT#: BP004 A	LOCATION: MAINLAND, BAINBRIDGE PASSAGE, POINT COUNTESS	SEQ:
DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS		
04/23/90	ANADSCAT	1	SURFACE	91-100		AP	EAST SIDE: IN UITS, THICK AND CONTINUOUS TAR MAT EXTENDING TO STREAM BANK.		
04/23/90	ANADSCAT	2	SURFACE	51-90		AP PT	EAST SIDE: LESS DENSE TAR MAT AND PATTIES CLOSER TO STREAM. & adjacent to site 1		
04/23/90	ANADSCAT	3	SURFACE			AP	OIL IN BRANCHED STREAM CHANNELS.		
4/23/90	ANADSCAT	4	surface		0-15cm	AP / OR	west side - UITS - Heavy AP to stream channel, & area of swash berm along stream bank with penetration to 15cm		
MAD vs. OG: COMMENTS: VERY HEAVY BAND OF THICK TAR RINGING THE HIGH TIDE LINE ON BOTH SIDES OF CHANNEL AND THROUGH CHANNEL. OILED LOGS IN CHANNEL. OILED DEBRIS IN GRASS AT STREAM EDGE. FINE GRAVELED BERM ON WEST BANK OF STREAM WITH LIGHT TO MODERATE OIL PENETRATION TO MINIMUM OF 10 CM. RECOMMENDATIONS: MANUAL REMOVAL OF ALL SURFACE TARMATS. REMOVAL OF OILED DEBRIS FROM GRASS AT EDGE OF STREAM - BOTH BANKS - SUPRATIDAL. REMOVAL OF OILED LOGS IN STREAM CHANNEL - UPPER INTERTIDAL. REMOVAL OF OILED SUBSTRATE WITHIN STREAM CHANNEL.									

CATALOG NUMBER: 2262016397							SEGMENT#: BP004 A	LOCATION: MAINLAND, BAINBRIDGE PASSAGE, POINT COUNTESS	SEQ:
DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS		
04/23/90	OG'S ANADSCAT	1	3 x 45 SURFACE	51-90	7	AP / OR	EAST SIDE : CONTINUOUS/BROKEN TARMAT in UITS		

DATE PRINTED: 10/17/91

NON-DUCK STREAMS

PAGE 15

04/23/90	OG'S ANADSCAT	2	4 x 20 SURFACE	91-90 91-100	7	AP PT	EAST SIDE : CONTINUOUS, BROKEN TARMAT. (DIMENSIONS FROM OFN). ^{Tar Potty} MITZ near stream bank
04/23/90	OG'S ANADSCAT	3	2 x 5 SURFACE	91-100	7	AP	EAST SIDE : CONTINUOUS TARMAT. (DIMENSIONS FROM OFN). ^{Tar potty} MITZ on stream bank
04/23/90	OG'S ANADSCAT	4	10 x 45 SURFACE SURF/SUB subsurface	51-90	7	AP/OR 0-15	WEST SIDE OF STREAM : CONTINUOUS AND BROKEN AP BAND. (DIMENSIONS FROM OFN). ^{into stream channel} UITZ. Subsurface oil in swash berm along stream bank
04/23/90	OG'S ANADSCAT	4	SURF/SUB	10-15	AP OR	Delete	WEST SIDE: IN UITZ, HEAVY TAR MAT EXTENDING TO STREAM CHANNEL. ALSO AREA OF SWASH BERM ALONG STREAM BANK WITH OIL PENETRATION TO 15 CM.
04/23/90	OG'S ANADSCAT	5	SUBSURF	5	OR		EAST SIDE OF STREAM IN AREA 1 - PIT 1 - 0-5CM OILED INTERVAL - OR - UITZ.
04/23/90	OG'S ANADSCAT	6	SUBSURF	15	OR		WEST SIDE OF STREAM ALONG STREAM BANK - PIT 2 - 0-15CM OILED INTERVAL - OR - UITZ.

MAD vs. OG: CLOSE ENOUGH Generally agree.
COMMENTS:

CATALOG NUMBER: 2262016397

SEGMENT#: BP004 A

LOCATION: MAINLAND, BAINBRIDGE PASSAGE, POINT COUNTESS

SEQ:

DATE	SURVEY SURVTYPE	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL (cm)	SITE SPECIFIC COMMENTS
08/01/90	FALL <u>Pre-ASAP</u>	1	6 x 50 SURFACE	11-90	17	AP PT 0-7cm	East side : L → MITZ - Broken AP turning patchy
08/01/90	FALL <u>Pre-ASAP</u>	2	30 SURFACE	51-90	4cm	AP	east side : along stream bank, from L → MITZ - Broken AP
08/01/90	FALL <u>Pre-ASAP</u>	3	2-3 x 40 SURFACE SURF/SUB subsurface		4	HOR-TB AP/TB HOR/MS 1-11 cm	west side : U → MITZ - Broken tarmat changing to tarballs, Part of Tarmat along stream bank
8/1/90	Pre-ASAP	4	surface			TB/OF	In stream channel : tarballs & oil film - silver gold, red sheen released

MAD vs. OG:

COMMENTS:

OIL IN STREAM GRAVELS.
 EAST SIDE - 50 METERS LONG X 6 METERS WIDE BROKEN TARMAT TURNING PATCHY IN THE LUITZ. EAST SIDE - LUITZ, THIN BROKEN TARMAT .5 TO 3 METERS FROM STREAM BANK, PARALLELING BANK FOR 30 METERS FROM GRASSY AREA IN LUITZ TO MITZ. OILY SEDIMENTS/OF IN STREAMBED ITSELF - SILVER, GOLD, RED SHEEN BEING RELEASED. WEST SIDE - 2-3 METERS WIDE BAND OF HEAVY TO MODERATE "OR" SEDIMENTS BY STREAM BANK - 10 METERS FROM LOG - CHANGING TO BROKEN TARMAT/TARBALLS FOR 40 METERS IN MITZ. OIL IN STREAM GRAVELS. ANADROMOUS FISH OBSERVED OFFSHORE.

Deleted

CATALOG NUMBER: 2262016397

SEGMENT#: BP004 A

LOCATION: MAINLAND, BAINBRIDGE PASSAGE, POINT COUNTLESS

SEQ:

DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS
05/05/91	MAYSAP	1	3 x 300 SURFACE	15	+5	AP HSOR	both sides of stream - LUITZ
05/05/91	MAYSAP	2	20 x 20 SURFACE	1	+3	AP SOR	both sides of stream - MITZ thinly scattered Patches / AP

MAD vs. OG: -OG distinct patches, MAD has more widespread coverage. -OG is more detailed, better data

COMMENTS:

THIS BEACH STILL HAS HEAVY 'SOR/AP' DEPOSITS WHICH SHOULD BE REMOVED. PICK UP DONE AT THE TIME OF SURVEY WAS INADEQUATE. ALSO TRUE EXTENT OF 'HSOR/AP' DEPOSITS WERE NOT SHOWN ON EXXON OG SKETCH. MORE PICK UP NEEDS TO BE DONE.

CATALOG NUMBER: 2262016397

SEGMENT#: BP004 A

LOCATION: MAINLAND, BAINBRIDGE PASSAGE, POINT COUNTLESS

SEQ:

DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS
07/30/91	POST TREATMENT	C	1 x 2 SURFACE			AP	east side of stream - LUITZ
07/30/91	POST TREATMENT	D	2 x 21 SURFACE	2		AP	east side of stream - LUITZ
07/30/91	POST TREATMENT	E	1 x 5 SURFACE	5		AP	west side of stream - LUITZ
07/30/91	POST TREATMENT	F	2 x 40 SURFACE	10		AP HSOR	west side of stream - MITZ

MAD vs. OG:

COMMENTS:

PINKS OBSERVED OFF THE MOUTH. PICKED UP SEDIMENTS IN AREAS C AND D. PARTIALLY TILLED AREA F, WHERE AP/HSOR. MORE UNDOUBTEDLY IS LOCATED UNDER THE FUCUS WASH LINE. NO REASSESSMENT RECOMMENDED IN 1992. *SURVEY FOCUSED ON DOCUMENTED OILING TREATED IN 1991.

CATALOG NUMBER: 2262016397

STREAM NAME:

LOCATION: MAINLAND, BAINBRIDGE PASSAGE, POINT COUNTESS

SEGMENT NUMBER: BP004 A

SHORELINE TYPE:

DATE: 04/13/90 TIME: BEACH-1008

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

COMMENTS:

THICK ASPHALT IN AND NEXT TO CREEK IN UPPER AND MID INTERTIDAL ZONES.
OIL WITHIN 1 MILE OF STREAM. OIL ON STREAMBANKS.

CATALOG NUMBER: 2262016397

STREAM NAME:

LOCATION: MAINLAND, BAINBRIDGE PASSAGE, POINT COUNTESS

SEGMENT NUMBER: BP004 A

SHORELINE TYPE:

DATE: 04/23/90 TIME: BEACH-1830

SITE	WIDTH (m)	LENGTH (m)	AREA (sqm)	PERCENT OIL	THICKNESS (cm)	PENETRATION (cm)	SURFACE SUBSURF	OIL TYPES	COMMENTS
1				91-100			SURFACE	AP	WEST
2				51-90			SURFACE	AP PT	east side - thick, continuous tarmat to stream bank
3							SURFACE	AP	" " - less dense tarmat + patties - closer to stream
4							SURFACE	AP	oil in branched stream channels

COMMENTS:

VERY HEAVY BAND OF THICK TAR RINGING THE HIGH TIDE LINE ON BOTH SIDES OF CHANNEL & THROUGH CHANNEL. OILED LOGS IN CHANNEL. OILED DEBRIS IN GRASS AT STREAM EDGE. FINE GRAVELED BERM ON WEST BANK OF STREAM WITH LIGHT TO MODERATE OIL PENETRATION TO MINIMUM OF 10 CM.

RECOMMENDATIONS: MANUAL REMOVAL OF ALL SURFACE TARMATS. REMOVAL OF OILED DEBRIS FROM GRASS AT EDGE OF STREAM - BOTH BANKS - SUPRATIDAL. REMOVAL OF OILED LOGS IN STREAM CHANNEL - UPPER INTERTIDAL. REMOVAL OF OILED SUBSTRATE WITHIN STREAM CHANNEL.

OIL WITHIN 1 MILE OF STREAM. OIL ON BANKS.

channel also area of swash berm along stream bank with oil penetration to 15cm

CATALOG NUMBER: 2262016397

STREAM NAME:

LOCATION: MAINLAND, BAINBRIDGE PASSAGE, POINT COUNTESS

SEGMENT NUMBER: BP004 A

SHORELINE TYPE:

DATE: 08/01/90 TIME: BEACH-1450

SITE	WIDTH (m)	LENGTH (m)	AREA (sqm)	PERCENT OIL	THICKNESS (cm)	PENETRATION (cm)	SURFACE SUBSURF	OIL TYPES	COMMENTS
1	6	50				2-7	SURFACE	AP PT	
2		30					SURFACE	AP	
3	2-3	40			4	7	SURFACE	HOR TB	

COMMENTS:

EAST SIDE - 50 METERS LONG X 6 METERS WIDE BROKEN TARMAT TURNING PATCHY IN THE LUITZ. EAST SIDE - LUITZ, THIN BROKEN TARMAT .5 TO 3 METERS FROM STREAM BANK, PARALLELING BANK FOR 30 METERS FROM GRASSY AREA IN LITZ TO MITZ. OILY SEDIMENTS/OF IN STREAMBED ITSELF - SILVER, GOLD, RED SHEEN BEING RELEASED. WEST SIDE - 2-3 METERS WIDE BAND OF HEAVY TO MODERATE "OR" SEDIMENTS BY STREAM BANK - 10 METERS FROM LOG - CHANGING TO BROKEN TARMAT/TARBALLS FOR 40 METERS IN MITZ.

ANADROMOUS FISH PRESENT: OFFSHORE.

OIL WITHIN 1 MILE OF STREAM:

ON STREAM BANKS IN STREAM GRAVELS.

CATALOG NUMBER: 2262016397

STREAM NAME:

LOCATION: MAINLAND, BAINBRIDGE PASSAGE, POINT COUNTESS

SEGMENT NUMBER: BP004 A

SHORELINE TYPE:

DATE: 05/05/91 TIME: BEACH-1600

SITE	WIDTH (m)	LENGTH (m)	AREA (sqm)	PERCENT OIL	THICKNESS (cm)	PENETRATION (cm)	SURFACE SUBSURF	OIL TYPES	COMMENTS
1	3	300	900	15	5		SURFACE	AP HSOR	
2	20	20	400	1	3		SURFACE	AP SOR	

COMMENTS:

THIS BEACH STILL HAS HEAVY 'SOR/AP' DEPOSITS WHICH SHOULD BE REMOVED. PICK UP DONE AT THE TIME OF SURVEY WAS INADEQUATE. ALSO TRUE EXTENT OF 'HSOR/AP' DEPOSITS WERE NOT SHOWN ON EXXON OG SKETCH. MORE PICK UP NEEDS TO BE DONE.

CATALOG NUMBER: 2262016397

STREAM NAME:

LOCATION: MAINLAND, BAINBRIDGE PASSAGE, POINT COUNTESS

SEGMENT NUMBER: BP004 A

SHORELINE TYPE:

DATE: 07/30/91 TIME: BEACH-1506

SITE	WIDTH (m)	LENGTH (m)	AREA (sqm)	PERCENT OIL	THICKNESS (cm)	PENETRATION (cm)	SURFACE SUBSURF	OIL TYPES	COMMENTS
C	1	2	2				SURF	AP	
D	2	21	42	2			SURF	AP	
E	1	5	5	5			SURF	AP	
F	2	40	80	10			SURF	AP HSOR	

COMMENTS:

PINKS OBSERVED OFF THE MOUTH. PICKED UP SEDIMENTS IN AREAS C AND D. PARTIALLY TILLED AREA F, WHERE AP/HSOR. MORE UNDOUBTEDLY IS LOCATED UNDER THE FUCUS WASH LINE. NO REASSESSMENT RECOMMENDED IN 1992. *SURVEY FOCUSED ON DOCUMENTED OILING TREATED IN 1991.

ANADSCAT
90

D. PREY

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: 4/23/9015 HIGH TIDE TIMES: 0021 / 125721 TEAM RECORDER: M. WIEDMER4 START TIME: 174516 HIGH TIDE HTS: 11.5' / 10.5'22 OBSERVERS: T. CROWE5 STOP TIME: 183017 LOW TIDE TIMES: 0648 / 185523 AGENCY: ADFG6 SEGMENT #: BR-00418 LOW TIDE HTS: -0.8' / 0.5'24 PHOTOS TAKEN: Y N7 STATION #: 226-20-1639719 TIDE HT AT SURVEY: 0.68'

Roll #: _____ Frame: _____

8 K-UNIT: _____

20 USCG QUAD: _____

25 VIDEO TAKEN: Y N TAPE#: _____

9 STAT AREA: _____

Start: _____ End: _____

10 LAT: _____

11 LONG: _____

26 SAMPLES TAKEN? Y N Number _____

12 SOURCE: Map Loran

Oil _____

13 LOCATION: POINT COUNTESS

Sediment _____

14 DESCRIPTION: _____

Biological _____

Water _____

EXTENT OF OIL

	SHORELINE				STREAM			
	L	W	M ²	%	L	W	M ²	%
27 SURFACE COVERAGE	100	100		10	100	3		2
28 SURFACE THICKNESS	5	7	10		1mm	5mm	3cm	
29 PENETRATION	10	15	8		1cm	5cm	2mm	

30 OVERALL OIL IMPACT: N VL L M H31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain32 OILED DEBRIS? Y N33 SHORELINE TYPE: Headland Low-lying Rocks Beach Cove
Lagoon Marsh34 WAVE EXPOSURE: High Moderate Low35 SUBSTRATE TYPE: Bedrock Boulder 5 Cobble 45
Gravel 50 Sand Mud/silt36 CATALOGED ANAD. FISH SREAM? Y N37 CATALOG #: 226-20-16397

38 STREAM NAME: _____

39 OIL IN STREAM BED? Y N40 OIL ON STREAM BANKS? Y N41 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 NALEVINS PRESUMED

44 ANADROMOUS FISH OBSERVATION

Species Aerial Ground

COMMENTS: VERY HEAVY BAND OF THICK TAR RINGING THE HIGH TIDE
LINE ON BOTH SIDES OF CHANNEL & THROUGH CHANNEL. OILED
LOGS IN CHANNEL. OILED DEBRIS IN GRASS AT STREAM EDGE.
FINE GRAVELED BERM ON W. BANK OF STREAM W/ LIGHT TO MODERATE
OIL PENETRATION TO MINIMUM OF 10 CM.

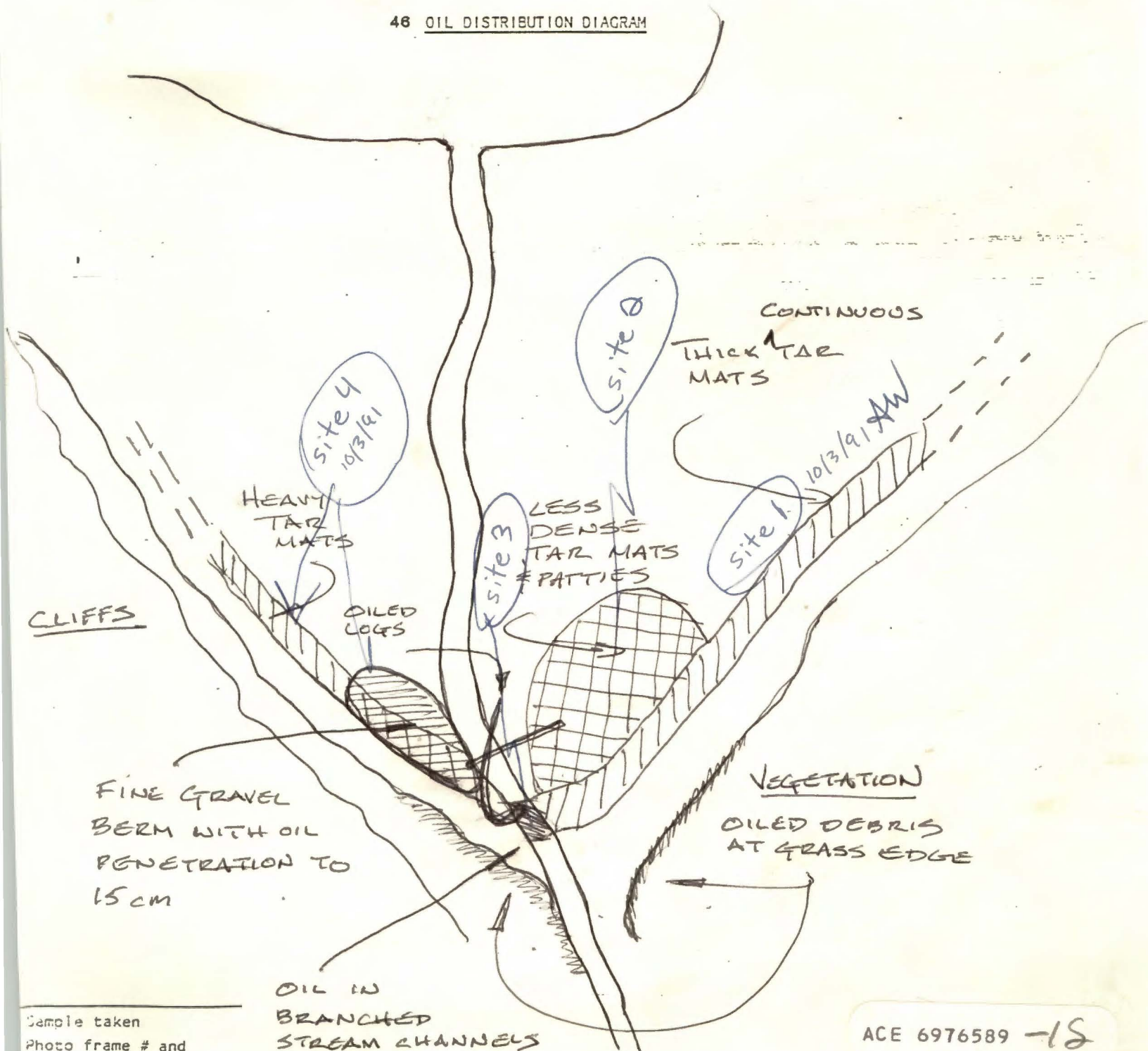
ACE 6976588 +15

FRAME(S)

DESCRIPTION

RECOMMENDATIONS: MANUAL REMOVAL OF ALL SURFACE TAR MATS. REMOVAL OF OILED DEBRIS FROM GRASS AT EDGE OF STREAM - BOTH BANKS - SUPRATIDAL. REMOVAL OF OILED LOGS IN STREAM CHANNEL - UPPER INTERTIDAL. REMOVAL OF OILED SUBSTRATE WITHIN STREAM CHANNEL.

46 OIL DISTRIBUTION DIAGRAM



Sample taken
Photo frame # and
shot direction.

ACE 6976589 -12

SHORELINE OILING SUMMARY (ANAD.)

REVISION NO. 04/1

OG WILLIAM LEID USCG McMAHON SEGMENT ST/ BP004 28/53
 BIO MICHAEL FAWCETT LAND REP TOM GROVE STREAM 22620163971 OF
 EXXON GUS GARCIA ADFG MIKE WIEDMER TIME 17:45 to 18:15
 TEAM NO. 15 TIDE LEVEL 1 FT DATE 23 APR / 90
 EST. SUBDIVISION LENGTH: 75 m ☐ Sun ☒ Clouds ☐ Fog ☐ Rain ☐ Snow
 UPLANDS DESCRIPTION: ☒ Grass ☒ Forest ☒ Rock
 SURVEYED FROM: ☐ Foot ☐ Boat ☐ Helo
 SURFACE SEDIMENTS: R 10 % B 40 % C 50 % G 0 % S 0 % M 0 % V
 SLOPE: Long 0 % Hang 0 % Vert 0 % WAVE EXPOSURE: ☐ Low ☒ Med ☐ High
 OIL CATEGORY LENGTH: W 0 m M 0 m N 50 m VL 0 m NO 25

SURFACE OIL

CHARACTER	DISTRIBUTION				OIL / FILM COLOR								IMPACTED ZONES			
	FC	FB	FP	FS	SP	BP	GP	SL	DR	TL	LR	BR	SU	U	M	L
ASPHALT PAVEMENT	X	X							X					X		
POOLED																
COVER																
COAT																
STAIN																
MOUSSE																
PATTIES	X	X								X				X		
TARBALLS																
FILM																
NO OIL																

PAVEMENT H (F) S 400 sq. m by 7

PATTIES / TARBALLS _____ BAG

NEAR SHORE SHEEN? (NO) BR RW SL T.

OILED DEBRIS	AMOUNT			
	SM	MD	LG	
Logs		X		Did you collect DEBRIS ☐ YES ☒ NO
Vegetation	X			
Trash				TYPE _____
Debris				
				#BAGS _____

Photographs:

Roll No. _____

Frames _____

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)	DEPTH	SURFACE SUBSURFACE SEDIMENT
		OP	OR	OL	OF	NO		UB	UC	SP	BP	GP	SL	DR	TL	LR	BU	U	M	L					
1	35		X				0-5		X		X					X						N			P/G/C
2	35					X	.									X						N			P/G/C
3	35		X				0-15		X					X		X						N			P/G/C
4	35					X	.										X					N	25		P/G/C
5	30					X	.											X				N	25		P/G/C
6	15					X	.										X					N			G/P

COMMENTS

REVIEWED _____ DATE _____

ACE 6976569

SEGMENT ST/ B3004

STREAM 226-20-16397

DATE 23 / APR 80

CHECKLIST

- ☐ N Arrow
- ☐ Approx. Scale
- ☐ Seg/Sub Body
- ☐ CR Dist
- ☐ Width
- ☐ Length
- ☐ % Cover
- ☐ Substrate Character
- ☐ Est. HW/LWL
- ☐ SSL
- ☐ Profile Location(s)
- ☐ Profile(s)
- ☐ PR Location(s)
- ☐ Photo Location(s)

LEGEND

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

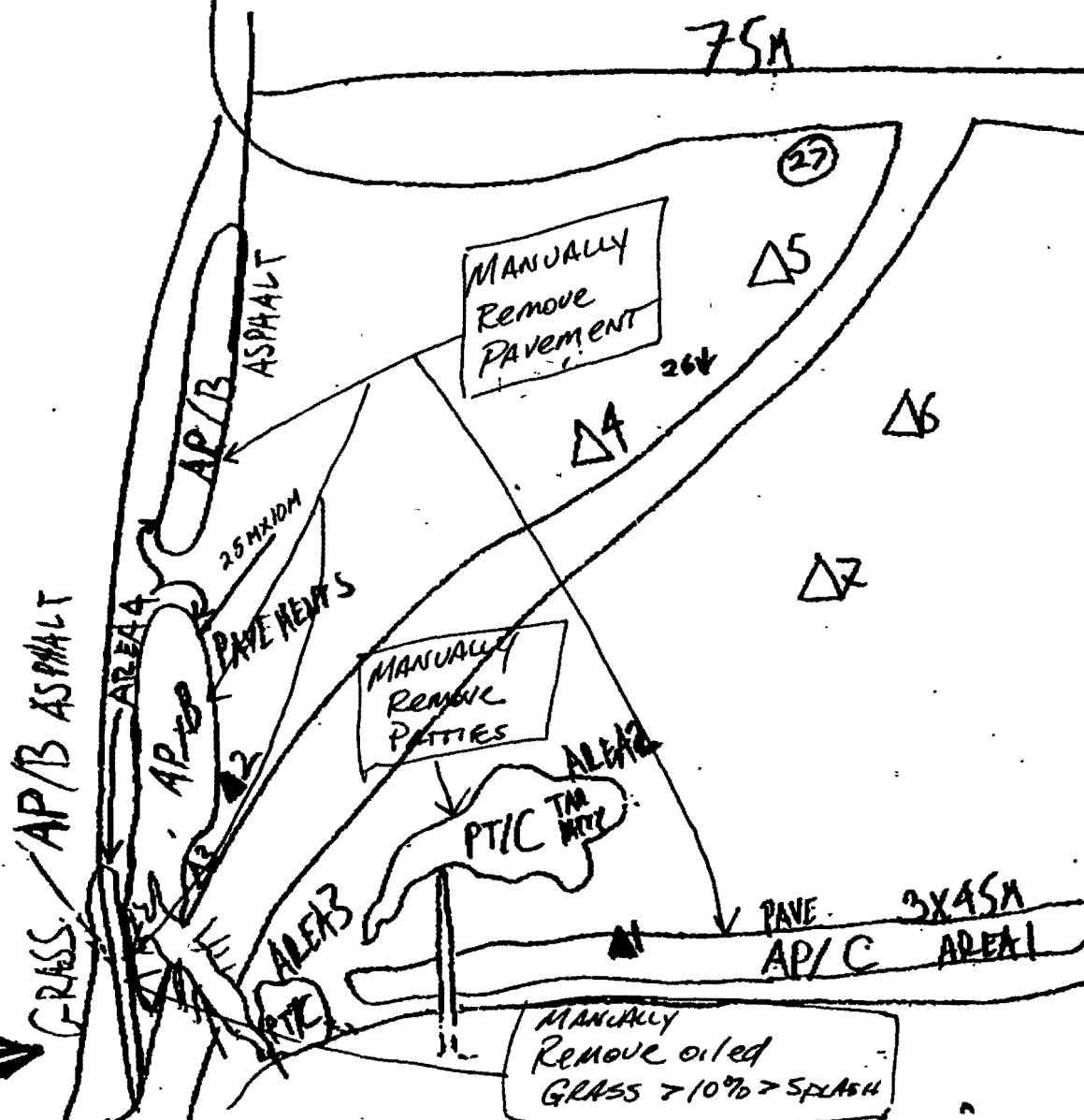
AP 20 (15)
21 22 23

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

ACE 6976559

SKETCH MAP

Film AS-15-4
frames 19-27



OPERATIONS FIELD NOTES

See Back for Instructions

SEGMENT ID ANAD BP-004
 STREAM ID # 226-40-16397
 ANNOTATED MAP INCLUDED YIN

DATE 4-23-90
 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										
Medium Band	25	10	250		Y	100	N	-	N	-
Narrow Band										
Very Light										
TOTAL MANDAYS						1		0		0

SUBSURFACE OIL YES. 0-15 CM IN DEPTH. REFER TO MAP FOR TREATMENT.

Other (Describe)?	

TARMATS	Quantities in Meters			Treatment Rec			# of Bags	Mandays Required	
	Length	Width	Thick(cm)	None	Breakup	Remove		Breakup	Remove
Area #1	45	3	7			✓	75		3
Area #2	20	4	7			✓	50		1
Area #3	5	2	7			✓	10		1
Area #4	45	10	7				100		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			✓			10		1
"Pocket" #2								
"Pocket" #3								
Random/Continuous								

OILED LOGS <u>YIN</u>	OILING <u>H/M/L</u>	QUANTITY <u>LBS</u>	BURN <u>YIN</u>
-----------------------	---------------------	---------------------	-----------------

Is there Other Debris on the Beach? YIN How Many Bags? - Is it mingled with the Oiled Debris YIN

GENERAL Snow covering 80 % 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? YIN # of Times -

COMMENTS:

AS NOTED ON THE ATTACHED MAP, MANUALLY REMOVE TARMATS, OILED VEGETATION, AND OILED LOGS. BIOREMEDIATE AREA (25X10M) AS NOTED ON MAP. TOTAL MANDAYS REQUIRED FOR THIS STREAM IS 14.

ACE 6976575 +1S

Segment BP004

4/23/90

Stream 226-20-16397

Michael Fawcett

Ecological Summary

This stream crosses a shallow shale cobble/pebble/gravel beach at the end of a sheltered cove. Buried oil was found in the stream banks in UTZ area, along with surface tar mats, some still partially under snow. The beach is fairly long (about 80m from waterline to snowbank) and consists mostly of stable gravel sediments. A mature, healthy mudflat-sandflat type community exists in the MTZ-LTZ, 60-80m away from the oiled area. In addition to patchy Fucus, barnacles, and mussels, other observations include abundant littorines (including this year's young), limpets, breeding Thais emarginata, juvenile green urchins, breeding dorid nudibranchs, gunnels, chitons, hermit crabs, and infaunal clams, worms, etc. One harbor seal was seen, and one mature bald eagle. The LTZ community would be sensitive to trampling and disturbance, but is far enough away from the oiled areas that cleanup procedures should not cause any problems.

M Fawcett

FIELD SHORELINE COMMENT SHEET

SEGMENT ST 1 BP004 SUBDIVISION: 16397 DATE 4/23/90

USCG

NAME OWO MC NATION SIGNATURE [Signature]

☐ NO TREATMENT RECOMMENDED
COMMENTS

☒ TREATMENT SUGGESTED

1. MANUAL TREATMENT, REMOVE TAR MATS (see med)
2. Remove debris.
3. Bioremediate r-side (looking onshore) By log
area #4

ADEC

NAME ADF+4 ~~NO Team member~~ SIGNATURE [Signature]

☐ NO TREATMENT RECOMMENDED
COMMENTS

☒ TREATMENT SUGGESTED

MANUEL REMOVAL OF ALL SURFACE AND BURIED TAR MATS.
REMOVE TAR MATS FROM GRASS AT ^(SUPRATIDAL) STORM BERM ON THE RIGHT.
AND LEFT SIDE OF THE STREAM. REMOVE OILED LOGS
CROSSING THE MOUTH OF THE STREAM. REMOVE ALL OILED/TARED
SUBSTRATE WITHIN THE STREAM CHANNEL.

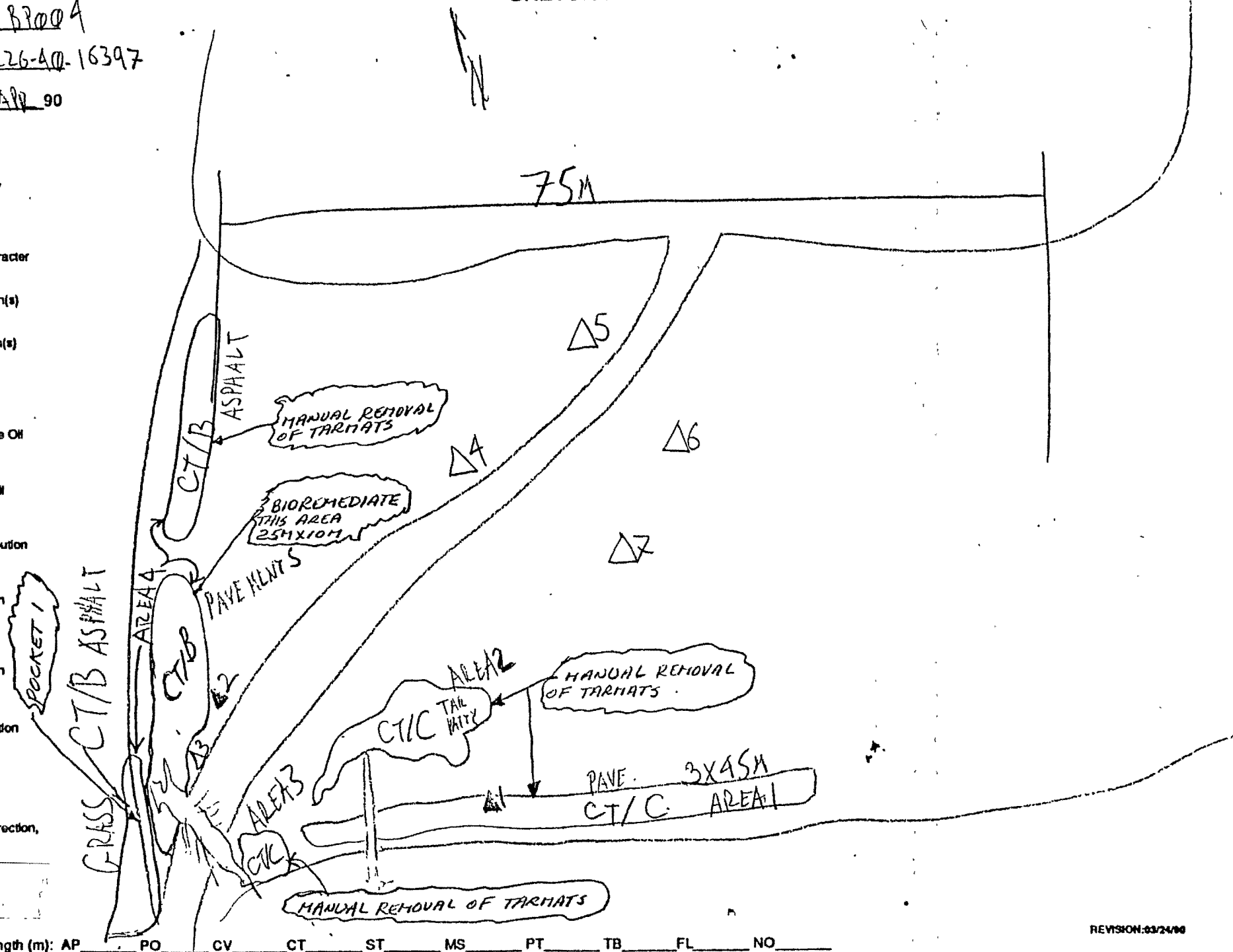
LAND MANAGER

NAME NO Team member SIGNATURE _____

☐ NO TREATMENT RECOMMENDED
COMMENTS

☐ TREATMENT SUGGESTED

ACE 6976566



ANADROMOUS FISH STREAM EVALUATION

SEGMENT ST/ BP-004 STREAM NO: 226-20-16397 DATE 4/23/90

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)

5T-4 All bald eagle nests (3/1 to 6/1)

Active eagle nests (3/1 to 9/1)

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

See attached Ecological Constraint sheet for specific constraints and contacts.

SUBDIVISION ECOLOGICAL CONSTRAINTS:

Subject stream is located in an unsurveyed segment. No additional ecological constraints.

ARCHAEOLOGICAL CONSTRAINTS:

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

SHPO SIGNATURE: Ricki Joa Darr DATE: 5/22/90

Subsurface Oil Observed: Yes X No Maximum Depth 15 cm

RECOMMENDATIONS:

 No Treatment Recommended

X Treatment Recommended

X Manual Pickup

X Bioremediation

X Tarmat Removal

 Snare/Absorbent Booms

 Oil Snares (pom poms)

 Absorbents (pads, rolls, etc)

 Spot Washing: Wands

 Beach Cleaner

 Other (see comments)

COMMENTS: Recommend manual removal of tarmat and patties in the MITZ and
2) removal of oiled grass (if dead and > 10% splash) as indicated on the
attached sketch map. Work from 6/2 to 7/9 with approval from USFWS
regarding eagle nests.

TAG COMMENTS: BIOREMEDIATION (CUSTOMER) FOLLOWING TARMAT REMOVAL
IF REQUIRED. MONITORING TO ASSESS OILED LOGS.

NO WORK WITHIN THE STREAM CHANNEL PRIOR TO JUNE 1.

TAG APPROVAL DATE: 5/18/90.

ADEC ART WEINER Art Weiner

EXXON ANDY GIL Andy Gil

NOAA GARY PETRAE Gary Petrae

USCG G.A. REITER G.A. Reiter

FOSC: DATE: 6-5-90

notify cwc 24hrs prior to cleanup

ANADROMOUS FISH STREAM EVALUATION ADDENDUM

CONSTRAINTS FOR STREAM NO. 226-20-16397

SEGMENT BP-004 SUBDIVISION A

WORK WINDOW

Manual Pickup and Tarnat Removal
Less Than 400m From Active Nest

CLOSED

Bioremediation Less Than 400m From Active Nest

CLOSED

ARCHAEOLOGICAL STANDARD CONSTRAINT

If cultural resources are uncovered, PHONE 564-3274.

APPLICABLE ECOLOGICAL TIME CONSTRAINTS

1A,1B Salmon Stream

ADF&G catalogued anadromous stream (226-20-16397) is in Subdivision A. This subdivision is closed to bioremediation less than 100m from stream 7/10 to 8/31. Before 7/10, bioremediation is permitted less than 100m from stream with on-site ADF&G monitor or ADEC alternate present. No constraint to bioremediation more than 100m from stream. No constraint to manual pickup and tarnat removal.

5T Bald Eagle Nest

USFWS 6/1/90 map indicates an active nest in Subdivision A. Closed to manual pickup, tarnat removal, and bioremediation within 400m of active nest.

OTHER ECOLOGICAL CONSIDERATIONS

If eagle nest constraint is removed, other ecological considerations will apply.

SEE SUBDIVISION CONSTRAINT ADDENDUM BP-004A
FOR ADDITIONAL CONSTRAINT INFORMATION.

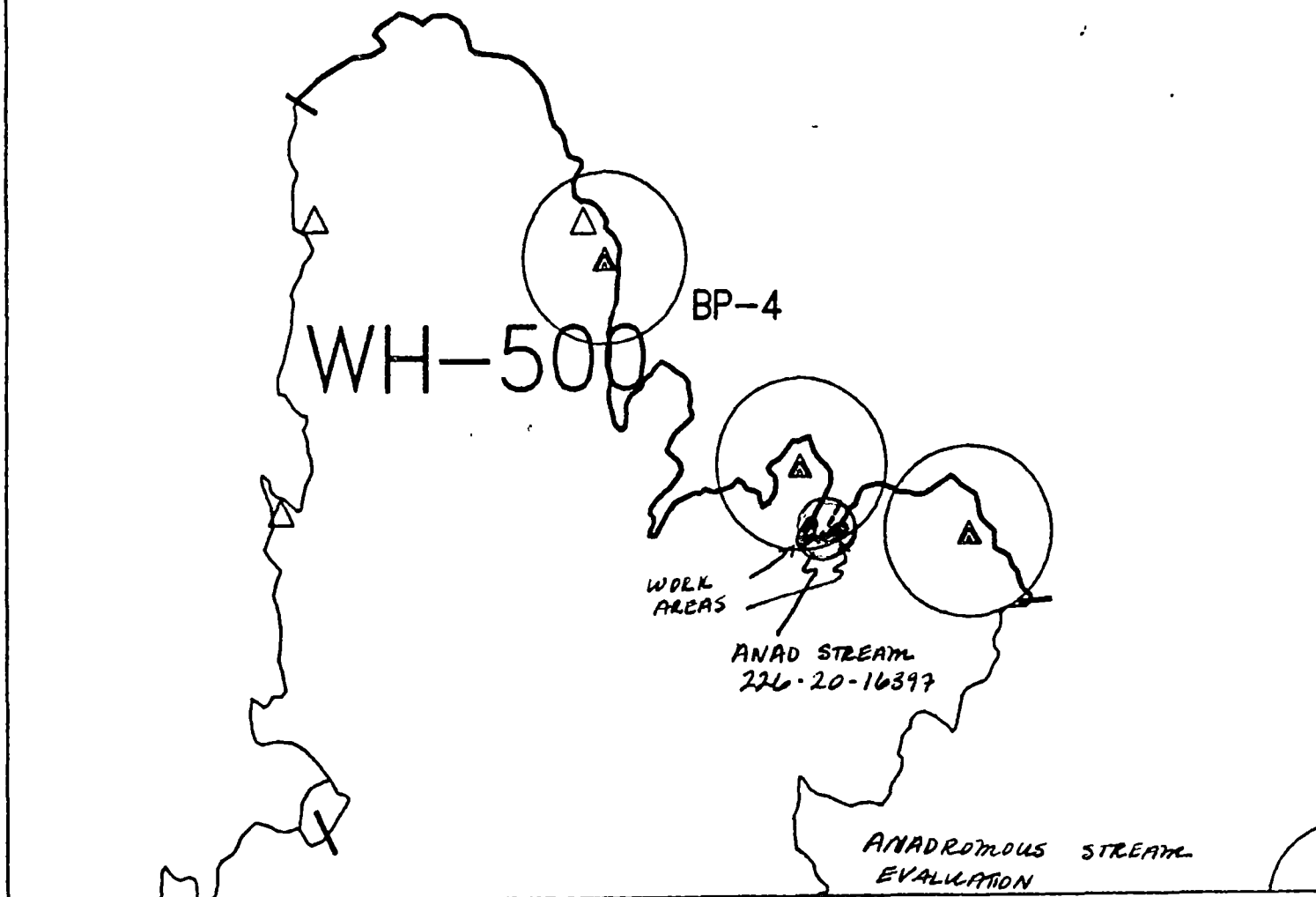
FOSC

Date

6-14-90

ACE 6976541 +HS

- 1A Salmon stream mouth - fry outmigrate (3/1 to 5/15)
- 1B Salmon stream mouth - spawning (7/22 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 Subistence area: Salmon harvesting (5/1 to 9/30)
- 7-H Finfish harvesting
- 7I Deer harvesting (8/15 to 2/28)
- 7J 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



Exxon Company, USA
Map Key: PWS-BP-4
June 12, 1990

ECOLOGY MAP
SEGMENT BP-4
SUBDIVISION A (1 of 1)
METERS
0 810 1619

★	Seabird Colony
▲	Active Eagle Nest
△	Inactive Eagle Nest

1 inch = 2656 feet

ACE 6976542

31/22

SSAT DATA ENTRY FORM

PAGE 1 OF 2

GENERAL DATA

226-20-
SEG ID: BP004 SUBDIV: 16397 TEAM: AS-15 SURVEY DATE: 4/23/90
PAVEMENT: CHAR F AREA 400 THICKNESS 7 TARBALLS 0
OILED: LGS MD VEG SM TRH — DBR — WAVE EXP: LW — MD X HG —
FAX RCVD: — DT: — AGENCY DISAGREE: —
EST SUBDIV LGTH: 75 OIL CATEGORY: W 0 M 0 N 50 VL 0 NO 25 U 0

SURFACE DATA

SURFACE SEDIMENT: BRK 0 BLD 10 COB 40 PEB 50 GRN 0 SAN 0 MUD 0 VEG 0

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

CHAR #: 2 OIL CHAR: PT OIL DIST: CONT X BRKN X PTCH — 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: BPO04 SUBDIV: 226-20-16397

PIT # 1 PIT DEPTH 35 OIL CHARACTER OR OIL INTVAL: FROM 0 TO 5
QUANT: UC OIL CLR: DBL 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 X MI — LI —
SUBSURF SEDIMENT: BRK — BLD — COB X PEB X GRN X SAN — MUD — VEG —

PIT # 3 PIT DEPTH 35 OIL CHARACTER OR OIL INTVAL: FROM 0 TO 15
QUANT: UC OIL CLR: DBR FLM CLR: — ZONE: SU — UI X MI — 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 - MI X LI -
SUBSURF SEDIMENT: BRK - BLD - COB X PEB X GRN X SAN - MUD - VEG -

PIT # 5 PIT DEPTH 30 OIL CHARACTER — OIL INTVAL: FROM 0 TO 0
QUANT: — OIL CLR: — FLM CLR: — ZONE: SU — UI — MI — LI X
SUBSURF SEDIMENT: BRK — BLD — COB X PEB X GRN X SAN — MUD — VEG —

PIT # 6 PIT DEPTH 15 OIL CHARACTER - OIL INTVAL: FROM 0 TO 0
QUANT: - OIL CLR: - FLM CLR: - ZONE: SU - UI - MI X LI -
SUBSURF SEDIMENT: BRK - BLD - COB - 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 _____

PROBLEMS: _____

Pre ASAP

ADF&G MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: BS SS DS TS AVS SCHA MMHS PTA2 REGION: PWS KP,CI K,APMETHOD: Aerial Ground Boat3 DATE: 8-1-9015 HIGH TIDE TIMES: 121 TEAM RECORDER: Gustin/Weseman4 START TIME: 132016 HIGH TIDE HTS: 122 OBSERVERS: ---5 STOP TIME: 145017 LOW TIDE TIMES: 3:58 pm23 AGENCY: ADFG HABITAT6 SEGMENT #: BP00418 LOW TIDE HTS: 5.924 PHOTOS TAKEN: 1 (N)

7 STATION #:

19 TIDE HT AT SURVEY: ---Roll #: --- Frame: ---8 K-UNIT: ---Ebb Slack Flood Slack25 VIDEO TAKEN: (Y) N TAPE#: 90DLG 0095FW9 STAT AREA: ---20 USCG QUAD: ---Start: 0000 End: 20910 LAT: ---11 LONG: ---26 SAMPLES TAKEN? (Y) (N) Number12 SOURCE: Map LoranOil ---13 LOCATION: Point CountessSediment ---14 DESCRIPTION: ---Biological ---Water ---

EXTENT OF OIL

	SHORELINE				STREAM			
	L	W	M ²	%	L	W	M ²	%
27 SURFACE COVERAGE								
28 SURFACE THICKNESS	2cm	4cm						
29 PENETRATION		1/2cm						

36 CATALOGED ANAD. FISH SREAM? (Y) N37 CATALOG #: 226-20-1639738 STREAM NAME: ---39 OIL IN STREAM BED? (Y) N40 OIL ON STREAM BANKS? (Y) N30 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 Stain42 OIL WITHIN 1 MILE OF STREAM? (Y) N32 OILED DEBRIS? (Y) NWhere: On streambanks, instream gravels33 SHORELINE TYPE: Headland Low-lying Rocks Beach Cove
Lagoon Marsh43 ANADROMOUS FISH PRESENT? (Y) NFF = Off-shore

34 WAVE EXPOSURE: High Moderate Low

44 ANADROMOUS FISH OBSERVATION
Species Aerial Ground35 SUBSTRATE TYPE: Bedrock 5 Boulder --- Cobble 35Gravel 50 Sand 5 Mud/silt 5

Pink		X

COMMENTS: East side - 50m long x 6m wide broken tar mat turning patchy in the LUITZEast side - LUITZ - Broken tar mat - 5 to 3m from stream bank, paralleling bank for 30m from grassy area in LUITZ to MITZGily sediments/OF in stream bed itself - silver, gold, red shreen being releasedWest side - 2m wide Band of H to M OR sediments by streambank - 10m from log changing to broken tar mat/tar balls for 40m into MITZ tar mat/tar balls

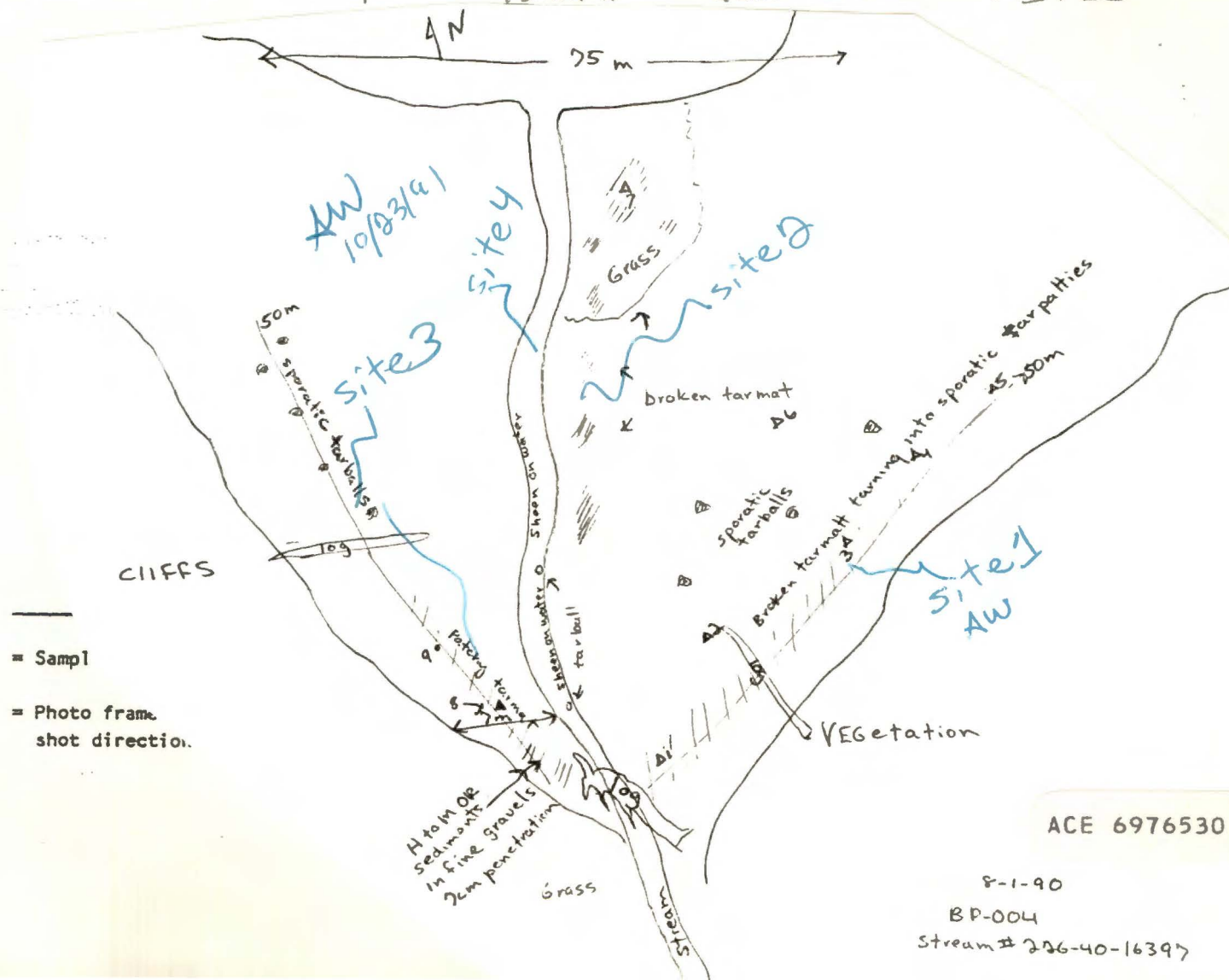
ACE 6976529 4/5

FRAME(S)

DESCRIPTION

2m east of stream	east pit #1 - 9cm deep - 2cm oil from top down - LMITZ
13m 60cm east of stream	pit #2 9cm deep - 4cm " " " "
28m 40cm " "	pit #3 5cm deep - 2-3cm " " " "
37m 90cm " "	pit #4 9cm " 4cm " " " "
47m	pit #5 10cm " 2cm " " " "
36m	pit #6 12cm " - no visible oil LMITZ
3m	pit #7 8cm " 4cm hor - LMITZ
4m west side from log across stream	west side pit #8 20cm " 1cm clean - 1cm heavy OR/mousse in MITZ
2m from stream	
10m from log - downstream	pit #9 12cm " 4cm tar mat in MITZ
18.3 " " " "	pit #10 10cm " 3cm tar mat " "
39.1 " " " "	pit #11 12cm " 6cm tar mat " 4MITZ
49 " " " "	pit #12 12cm " 4cm tar mat " MITZ

46 OIL DISTRIBUTION DIAGRAM



Pre ASAP

ADF&G MULTI-ASSESSMENT DATA FORM

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

2 REGION: PWS KP,CI K,AP

METHOD: Aerial Ground Boat

3 DATE: 8-1-90

15 HIGH TIDE TIMES: 1

21 TEAM RECCORDER: Gustin/Warren

4 START TIME: 1220

16 HIGH TIDE HTS: 1

22 OBSERVERS: ---

5 STOP TIME: 1450

17 LOW TIDE TIMES: 3.58 pm

23 AGENCY: ADFG HABITAT

6 SEGMENT #: BD004

18 LOW TIDE HTS: 5.91

24 PHOTOS TAKEN: Y N

7 STATION #:

19 TIDE HT AT SURVEY:

Roll #: Frame:

8 K-UNIT:

Ebb Slack Flood Slack

25 VIDEO TAKEN: N TAPES: 90RLG00954

9 STAT AREA:

20 USCG QUAD:

Start: 0000 End: 709

10 LAT:

11 LONG:

26 SAMPLES TAKEN? Y N Number

12 SOURCE: Map Loran

Oil

13 LOCATION: Point Countess

Sediment

14 DESCRIPTION:

Biological

Water

EXTENT OF OIL

	SHORELINE				STREAM			
	L	N	H ²	%	L	N	H ²	%
27 SURFACE COVERAGE								
28 SURFACE THICKNESS	7cm	4cm						
29 PENETRATION		11cm						

30 OVERALL OIL IMPACT: N VL L M H

36 CATALOGED ANAD. FISH SREAM? N

37 CATALOG #: 226-20-16397

38 STREAM NAME: ---

39 OIL IN STREAM BED? N

40 OIL ON STREAM BANKS? N

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

42 OIL WITHIN 1 MILE OF STREAM? N

31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain

32 OILED DEBRIS? N

Where: on stream banks in stream gravel

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

43 ANADROMOUS FISH PRESENT? N

44 ANADROMOUS FISH OBSERVATION
Species Aerial Ground

34 WAVE EXPOSURE: High Moderate Low

35 SUBSTRATE TYPE: Bedrock 5 Boulder Cobble 35

Gravel 50 Sand 5 Mud/silt 5

pink		X

COMMENTS: East side - 50m long x 6m wide broken tar mat turning patchy in the LUITZ

East side - LUITZ - Broken tar mat - 5 to 3m from stream bank, paralleling bank for 30m from grassy area in LUITZ to MITZ

Gulch and outside of stream but itself - oil and debris have been released

ACE 6976531 +/S

FIELD SHORELINE COMMENT SHEET

ASAP survey - 90

226-28-16397

D92

SEGMENT AS / 32 004 SUBDIVISION: unpublished SITE: 4 DATE 15 Aug 91

CG

NAME Don Collins, USCG SIGNATURE Don Collins☒ YES☐ NO

PRIORITY SITE FOR REASSESSMENT IN 1991

REASON:

semi-large sweeping pebble beach with abundant stream at upper right corner. discontinuous bands of tar patties, coat, stain, silt, and asphalt along W.E. From old sketch map, this area appears to have been asphalt cat. Two pits dug found an asphalt / mud se coat approx 2-3cm thick, over gravel coating. Green vegetation noted at glassline toward stream. An additional band of scattered tar patties / asphalt / silt noted along right bank of cove. Redacted in 1994.

ADEC

NAME Bob McCreedy SIGNATURE Bob McCreedy☒ YES☐ NO

PRIORITY SITE FOR REASSESSMENT IN 1991

REASON:

Anad. Segment with VITZ-SW along own used segment. Diking range from PT/S, AP, SOR, CT, ST. In addition a band of oil undetermined size along both W & E shoreline. Heavy OP oil (which appears to have been AP assessed during SSAT-90 and buried under storm berm, is present along West shoreline and will require manual exposing followed by removal. Manual removal of all AP, SOR, MS, OP, and OR is recommended.

LAND MANAGER

NOAA

NAME Don Clark SIGNATURE Don Clark☒ YES☐ NO

PRIORITY SITE FOR REASSESSMENT IN 1991

REASON:

OP LOUS EXISTS IN THE STORM BURN. IN FAY MOUNT, APE COLLIES ON LOTS OF FETTERICK. WEATHERED COAT & STAIN IS CONTINUED.

EXXON

NAME Al Snook SIGNATURE Al Snook☒ YES☐ NO

PRIORITY SITE FOR REASSESSMENT IN 1991

REASON:

SUBSURFACE DILING IN SUPRA & UPPER ITZ SHOULD BE REASSESSED IN 1991; ESPECIALLY ON EAST SIDE OF ANAD STREAM.

ACE 6976520 +12

PAGE - OF _____

SURFACE OIL

SITE # 4

SITE 2

SITE 3

[illegible][illegible]

SUBSURFACE OIL

[illegible]**Photographs:**

Roll No. _____

Frames .

- BERM

COMMENTS

COMMENTS
- U1T has very sporadic patches of M5/S about 10cm - south side of stream
- IN SAME south side area but in the lower U1T an area of occurred
to the stream channel

REVISION NO. 7/27/88

REVISION NO. 7/27/88

ACE 6976521

ETCH MAP

SEGMENT S/ BP-004

SUBDIVISION 226-20-16387

DATE AUG 15/ 90 p748

CHECKLIST

- N Arrow
 Approx. Scale
 Seg/Sub Bndry
 Oil Dist.
 Width
 Length
 % Cover
 Substrate Character
 Est. HWW/LWL
 SSL
 Profile Location(s)
 Profile(s)
 Pli Location(s)
 Photo Location(s)
- PITS DUB
 1 10cm - "OR" FROM
 0-4cm
 2 15cm - "OP" FROM
 7-10cm
 3 15cm - "OP" FROM
 7-10cm

LEGEND

1 ▲
Pli - No Subsurface Oil

2 ▲
Pli - Subsurface Oil

CT/C
Continuous Distribution

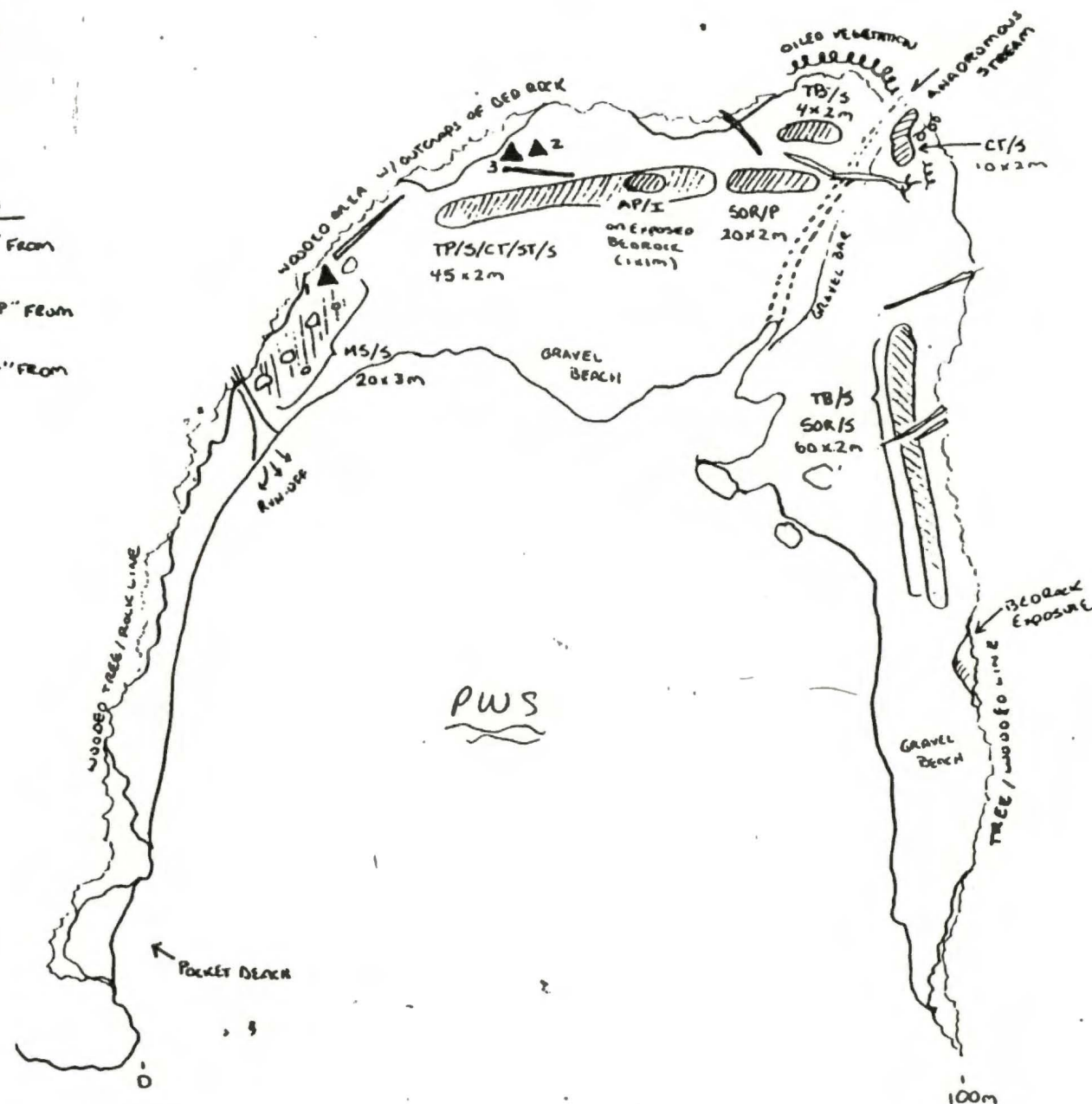
CT/B
Broken Distribution

CT/P
Patchy Distribution

CT/S
Splashed Distribution

Oil Vegetation

Photo location, direction, and number



ACE 6976522

Oil Character Length (m): AP 1 PO CV CT 55 ST 45 MS 20 PT TB 109 FL NO JIR 80

REVISION: 2024/00

WH-500

BP-4

226-20-16388

226-20-16392

226-20-16395

Site #4
(YES)

226-20-16397

ACE 6976523

XXXX Wide
./././ Medium
---- Narrow
TTTT Very Light
OOOO No Oil

BP-4

ADEC Subsegment Length: 0m
METERS

0 457 914

AK State Plane Zone 4 1:18000



Subdivision Field Map

Map Key: PWSBP-4a

Name: Trim for Nakashima

Date: 24 Aug '90

Date Entered:

BP-4

226-20-14388

Site #2
(4ES)

10th NARROW

226-20-16399

226-20-16392

226-20-16397

ACE 6976524

B P - 4

ADEC Subsegment Length: 0m

METERS

0 457 814

AK State Plane Zone 4 1:18000
pbp-4a



Subdivision Field Map

Map Key: PWSBP-4a

Name: TRINIA FOR NAKASHIMA

Date: 24 Aug '90

Data Entered:

8-15-90

RE - CVC REP. FOR ASAP INSPECTION
OF BP-04 ANAD STREAMS

TO: ASAP FILES

FROM: AL SNOOK

EXXON REP. TEAM #3

ARRANGEMENTS WERE MADE WITH GAYLE EVANOFF ~~ON~~ THE MORNING OF 8/14/90 TO PICK UP CVC REP., STEVE WARD, THE AFTERNOON OF 8/14/90 TO DO ASAP INSPECTION OF BP-04 ANAD STREAMS ON THE MORNING OF 8/15/90. TEAM #3 ARRIVED IN SAWMILL BAY, EVANS ISLAND, AROUND 10 15 P.M. TO PICK UP STEVE WARD. STEVE WOULD NOT RESPOND TO TEAM #3 RADIO CONTACTS ON MARINE CHANNEL 8 AND 10, SO EXXON REP AL SNOOK, VECU CREW MEMBERS MIKE REAVIS & ~~LOUIS NAHMAN~~ ~~LOUIS NAHMAN~~ WENT TO STEVE WARD'S HOME IN CHENEGA VILLAGE STEVE MET AT HIS HOME & EXPLAINED THAT HE "HAD A JOB DRIVING A DUMP TRUCK FOR THE CHENEGA VILLAGE WHICH STARTED ON 8/15/89 & LASTED FOR A WEEK, PAYING \$27.00 PER HOUR." HE ALSO STATED THAT HE WAS NOT "AWARE OF ANY OIL ON THE BAIL BRIDGE HAS: SEGMENT 4" & "THIS WAS A LOW PRIORITY" TO HAVE DONE THE LIGHT DEGREE OF OILING. STEVE TOLD EXXON REP. "TO GO AHEAD & DO THE INSPECTION" & REPORT THE FINDINGS THAT ALL THE MONITORS FIND. THE EXXON REP & VECU CREW MEMBER LEFT STEVE WARD'S HOME & RETURNED TO THE SAILING VESSEL, ALBERTA TIDE, & MOTORED TO THE NORTH END OF WHALE BAY FOR A MORNING INSPECTION OF BP-04 ANAD STREAMS. THE ASAP INSPECTION OF BP-04 ANAD STREAMS WAS COMPLETED THE MORNING OF 8/15/90. TEAM #3 WERE EXXON, USCG, ADEC, NOAA, & W/C

AL SNOOK - SNOOK

DATE Aug 15/ 90 6748

CHECKLIST

- ___ W Area
 ___ Approx. Size
 ___ Say/Tab Body
 ___ Or Det
 ___ Width
 ___ Length
 ___ % Cover
 ___ Substrate Character
 ___ Est. HAP/LA/WL
 ___ SOL
 ___ Profile Location(s)
 ___ Profile(s)
 ___ PR Location(s)
 ___ Photo Location(s)

P. 122 1206

- ① 10cm. "OR" From 0-4cm.
- ② 15cm. "OR" From 7-10cm.
- ③ 15cm. "OR" From 7-10cm.

LEGEND

- PA - No Subsurface Oil

- 2 ▲
FM - Subsurface Oil

CT/C

CT/0

SECRET
Policy Distribution

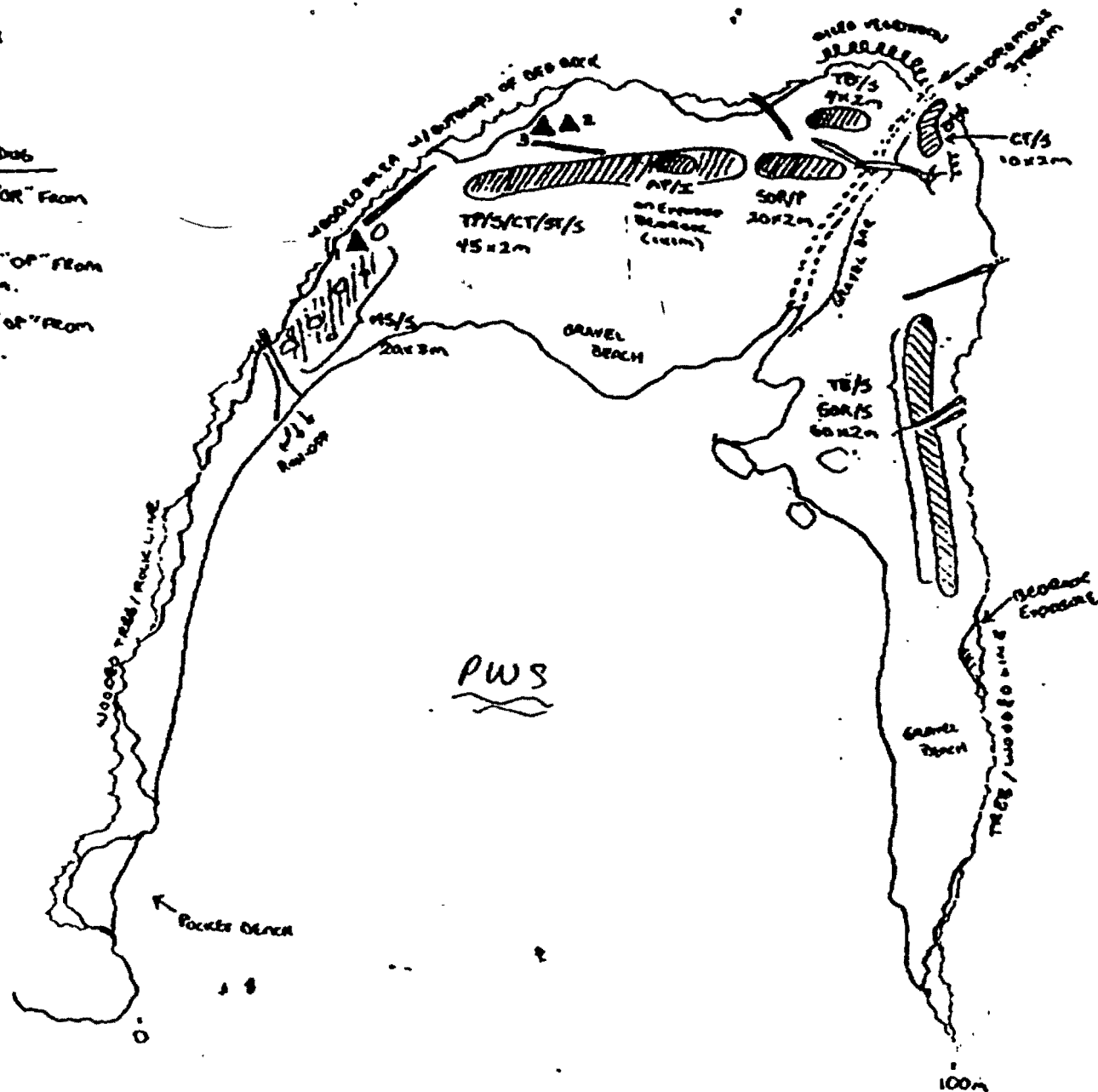
CI/S
Spliced Distribution

Old Vegetation

1 

Photo location, direction,
and number

SKETCH MAP



A horizontal number line is shown, starting at 0 on the left and ending at 30 on the right. A tick mark is placed at the midpoint, labeled 15.

✓

Oil Churn: High (m): AP 1 PO CV CT 55 ST 45 MS 2 PT TB 101 FL NO J# 80

Abstract

A.S.A.P.

BP 04-anad
site 4

August 15, 1990

ADEC recommends the following treatment:

- 1) Manually remove all AP, TB, SOR, MS, OP, OR and subsurface oil on this site
- 2) Manually expose the lense of OP along east portion of segment at SU-UITZ and remove
- 3) Manually till area long west portion of segment and bioremediate pending ADF&G approval
- 4) Monitor area repeating steps 2 & 3 as necessary

ACE 6976527

ASAP FOLLOWUP RECOMMENDATIONS

Segment: AS/ BP-04 Subd.: ANAD STREAM Site: 4 Date: 8/15 1990
226-20-16397

Conditions Observed: ON BOTH SIDES OF ANAD STREAM IN SUPRA & UPPER
ITZ, SPORDIC COATS, STAINS, AP, PT & SOR EXIST. SMALL AMOUNT
OF FILM ON TOP OF PEAT AT HEAD OF STREAM. LENS OF OP WAS FOUND
IN SUPRA ITZ IN AREA EAST OF STREAM IN VACINITY OF PITS # 2 & 3.
SUBSURFACE OR FOUND IN SUPRA ITZ ON BOTH SIDES OF ANAD STREAM

Followup Recommendations: SEE COMMENTS BELOW:

Completed by Pickup Crew: ☐ YES ☒ NO

Priority for Addressing in 1990: ☐ High ☒ Mod. ☐ Low

ADEC Brian Gandy Robert G. McE...
 (name) (signature)

Comments: Manually remove all AP, SOR, Patches. In addition, remove all OP/AP
requiring manual exposure and removal. In addition, they removed
fall other OP and OR exchange and is required.

Exxon Al Snook Al Snook
 (name) (signature)

Comments: MANUAL REMOVAL OF SPORADIC AP & PT. MANUAL REMOVAL
OF OP IN AREA OF PITS 2 & 3. RAKE AREAS WHERE SOR EXISTS & APPLY
CUSTOMBLEN. RAKE & APPLY CUSTOMBLEN TO SUPRA ITZ WHERE OR EXISTS

USCG Don O'Neil GM [Signature]
 (name) (signature)

Comments: MANUAL REMOVAL OF HEAVY DEPOSITS OF ASPHALT / SOR AND RAKING OF
PEAT IN AREAS. "BIO" APPLICATION PLANT ASSESSMENT AND REMOVAL OF
USECG. MODERATE TO HIGH PRIORITY FOR 1990.

NORA Don Eline [Signature]
 Lead Rep. (name) (signature)

Comments: I AGREE W/ RECOMMENDATIONS ABOVE.

ADEC DEMOBILIZATION REPORT FOR INIPOL AND CUSTOMBLLEN TREATMENT

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

Attn: John Bauer
FAX 265-4666

From: _____ (please print)

RE: SEGMENT NUMBER BP04 SUBSEGMENT NUMBER A

ADEC REP Rowann Hudnall USCG REP Don Percy

EXXON REP Frank Boy BOAT NAME/SQUAD NUMBER Don Bollinger
Squad 3

Site #	Length (along shore m)	Area m ²	Inipol (gallons)	Customblen (lbs.)
--------	---------------------------	------------------------	---------------------	----------------------

See Daily Report / OG Report for details

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. Bioremediation reapplication. Tarmats removed + remaining residue raked prior to application of customblen. ADF + G Times Weseman approved bio 20 ft out from stream

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

Residual sediment from tarmat removal in WITZ + MITZ.

Additional Comments (keep objective)

Should be reassessed to see if tarmats re-form. Customblen from previous application visible.

signature Rowann T. Hudnall

Date and time of demobilization from segment 8/27/90
Shoremon\Demob.bio 55/30/90

ADEC BIOREMEDIATION DAILY REPORT

DATE: 8/27/90ADEC Monitor: Rouxann Hudnall

TIDES: TIME: HEIGHT:
 Low 11:31 -0.9
 High 05:05 12.0
 Low 23:58 2.6
 High 19:12 11.5

WEATHER: Cloudy Rain Fog Sun
 TEMP: 55°F SEA COND: 1 ft chop
 WIND DIR: N-NE-E-SE-S-SW-W-NW
 WIND SPEED 0-15 16-30 30+

USCG Dan Percy
 OOPS James Byars

Exxon Frank Box
 Other _____

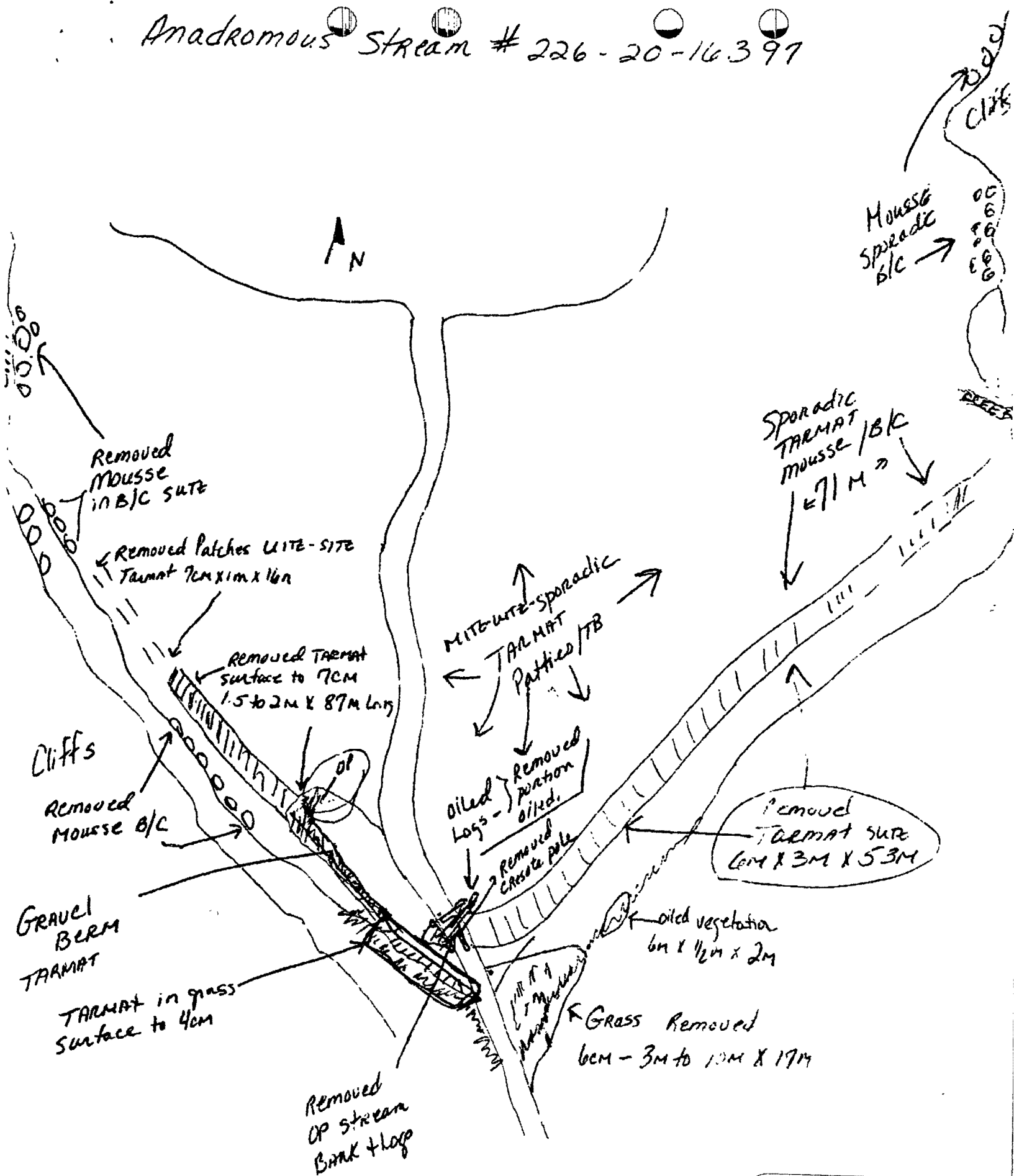
OGS Dan Mann, John Wardrop

Segment	Sub	No. Sites	Inipol (gal)	Custom (lbs.)	Comments
---------	-----	--------------	-----------------	------------------	----------

<u>BAΦ2</u>	A	1	0	45	
<u>BPΦ4</u>	A	5	0	200	
CH20	A	3	8	12	
<u>CHΦ1</u>	A	1	0	1.5	
<u>CHΦ2</u>	A	1	0	138	
<u>CHΦ9</u>	A	3	0	210	
CH13	A	2	4.5	6	
<u>CHΦ9</u>	A-S	1	0	182	

\shorelin\rowann\biorept 8/7/90

Anadromous Stream # 226-20-16397



ANDEC-001 Stream # 22020-1605

ADEC DEMOBILIZATION REPORT
FOR PHYSICAL/MECHANICAL 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 RP 4 SUBSEGMENT NUMBER A

DEC REP Marianne Profitt USCG REP Ross Haldy

EXXON REP Nick Martinez BOAT NAME/SQUAD NUMBER M/V Adele Candies
Squad #5

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).

- Scattered Mousse in Boulders, buried East side of Channel
- of Tarnat areas.
- Light Mousse Left after Pom Pom work Bedrock crevices

Additional Comments (keep objective)

- Most areas of Tarnat, Batts + Patches, cleaned to unciled sediments
- Pom Poms used to wipe Bedrock after Mousse was removed.

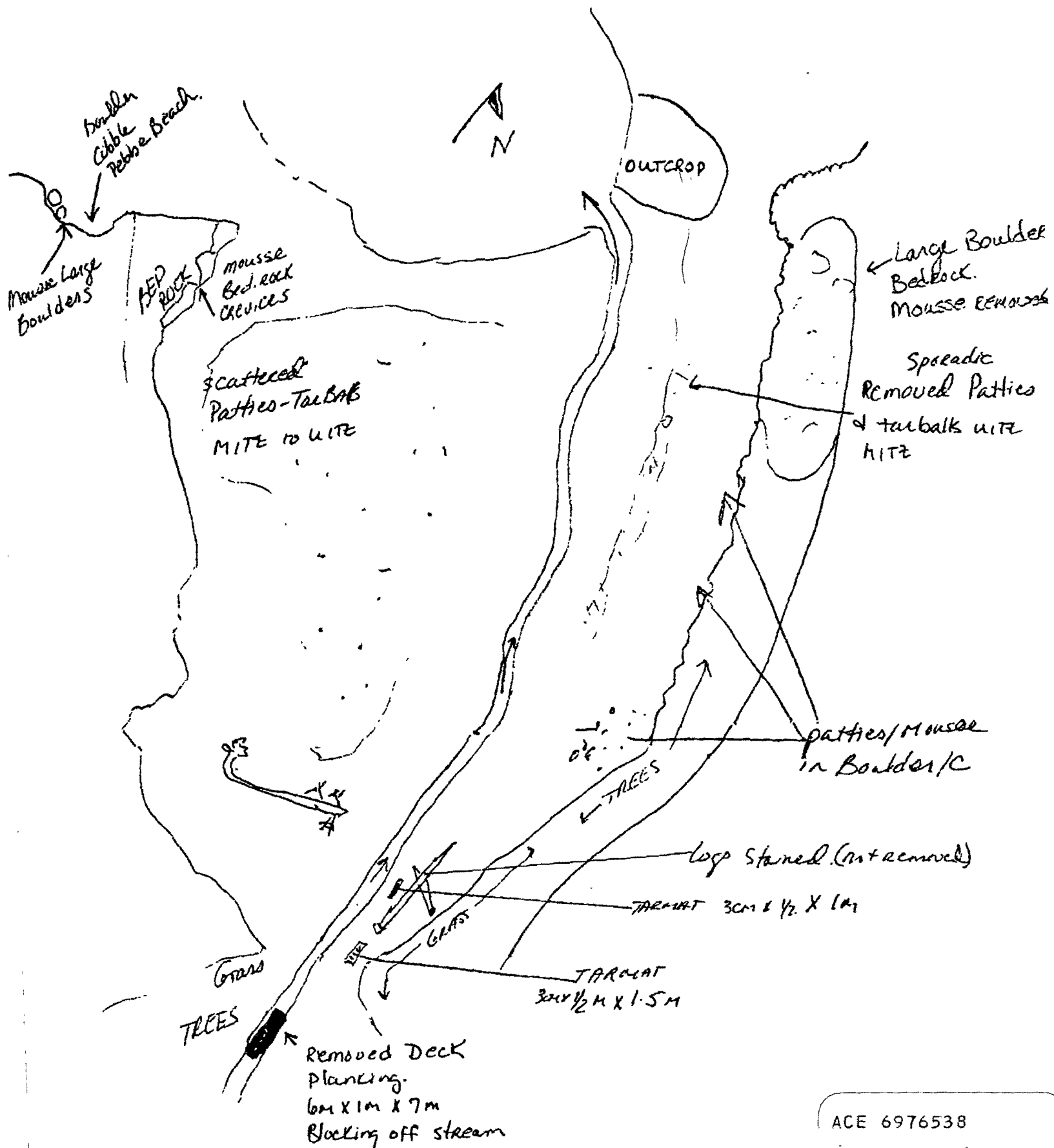
signature Marianne Profitt

Date and time of demobilization from segment 7/4/90 0730

Shoremon\55 5-12-90

ACE 6976537

Anadeomus Stream # 224-20-14395



ADEC DEMOBILIZATION REPORT
FOR PHYSICAL/MECHANICAL TREATMENT AND CUSTOMER

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

Attn: John Bauer

FAX 265-4666, 265-4656

Anadromous Stream

226-20-16392

RE: SEGMENT NUMBER BPH

SUBSEGMENT NUMBER A

DEC REP Marianne Profita

USCG REP Ross Haldy

EXXON REP Dick Martinez

BOAT NAME/SQUAD NUMBER M/V Adele Candus
Squad #5

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).

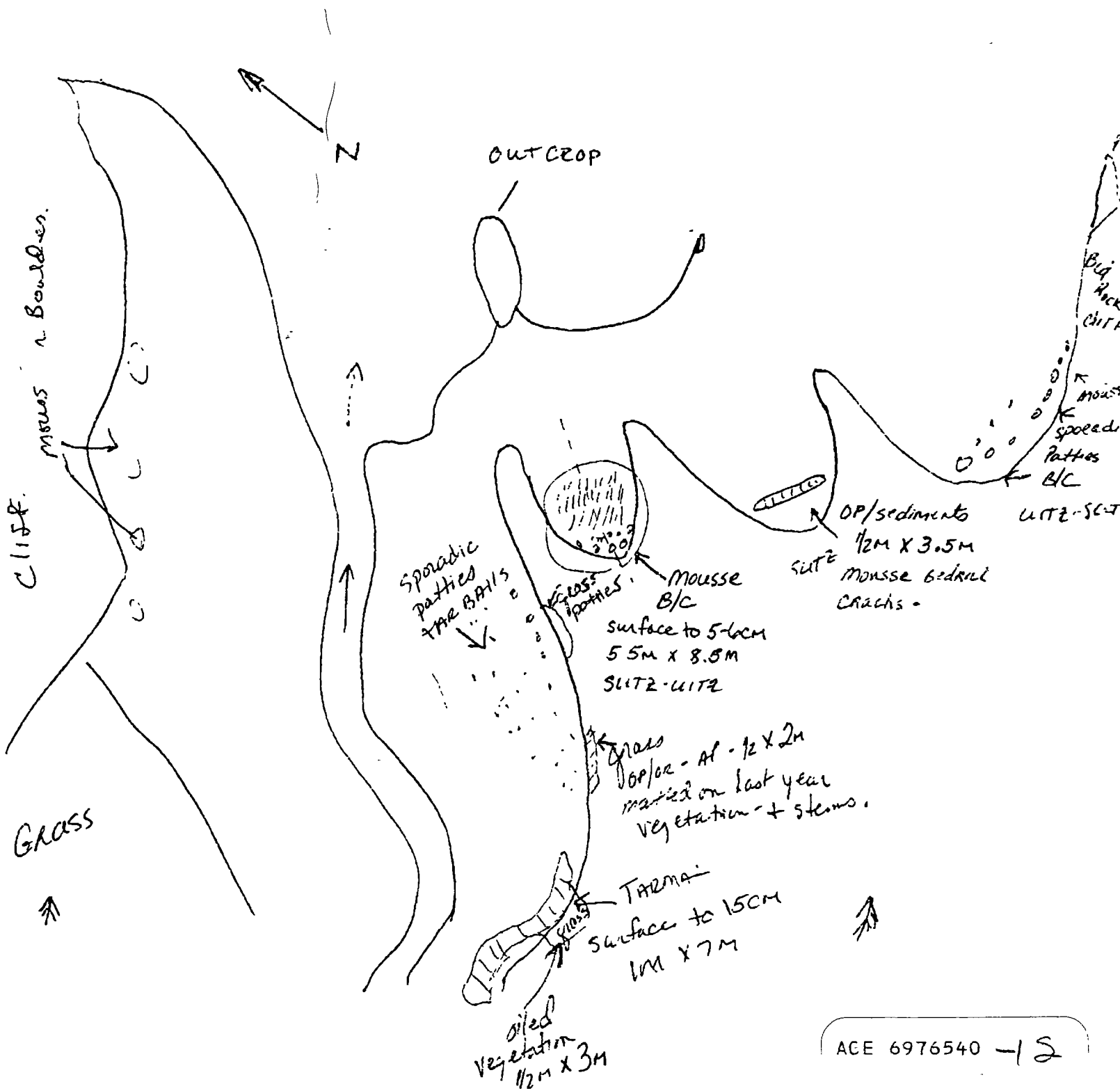
Tar mat band South East side of stream OR/OF Remains.
Mousse trapped between (large) Large Boulders in the
first and third beaches East of stream. These Mousse
trapped areas are not large, and sporadic
Additional Comments (keep objective)

signature Marianne Profita

Date and time of demobilization from segment 7/2/90 1445

Shoremon\55 5-12-90

B4-A Anadeomous Stream MAP. # 226-20-16392



ATW
Pre-ANADSCAT-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: 4/13/90

15 HIGH-TIDE TIMES: 1

21 TEAM RECORDER: Tom Crowe

4 START TIME: 1000

16 HIGH TIDE HTS: 1

22 OBSERVERS: GREEN CHURCH (SAXON)

5 STOP TIME: 1008

17 LOW TIDE TIMES: 1

23 AGENCY: ADF&G

6 SEGMENT #: BP004

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: PT. COWNESS

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 #: 16397

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 Cobble X

Gravel X Sand Mud/silt

COMMENTS: THICK ASPHALT IN AND NEXT TO CREEK IN UPPER TWO MIN
INTERIORITY ZONES

ACE 6976586 +15

FRAME(S)

DESCRIPTION

PT COUNTS

46 OIL DISTRIBUTION DIAGRAM

6/13/90

206-20
ATW
16397
BP004

TWC

ASPHALT/TAR (HUY)

SNOW

SNOW

ASPHALT

= Sample taken
 = Photo frame # and
 shot direction.

ACE 6976587 -15

PT. Countess
BP-004

ACE 6332021



Rock

Rock

Rock

POINT COUNTLESS
BPOO4UO3MH

7 DECEMBER, 1989 1400

M. WIEDMER, R. TALVI

TREELINE

HEAVY OIL: PENETRATION TO 0.3 m

MODERATE OIL: 40% COVERAGE

TEST HOLES

MODERATE OIL: 50% COVERAGE

HEAVY OIL: PENETRATION TO 0.3 m

SAMPLE SITES

10 m

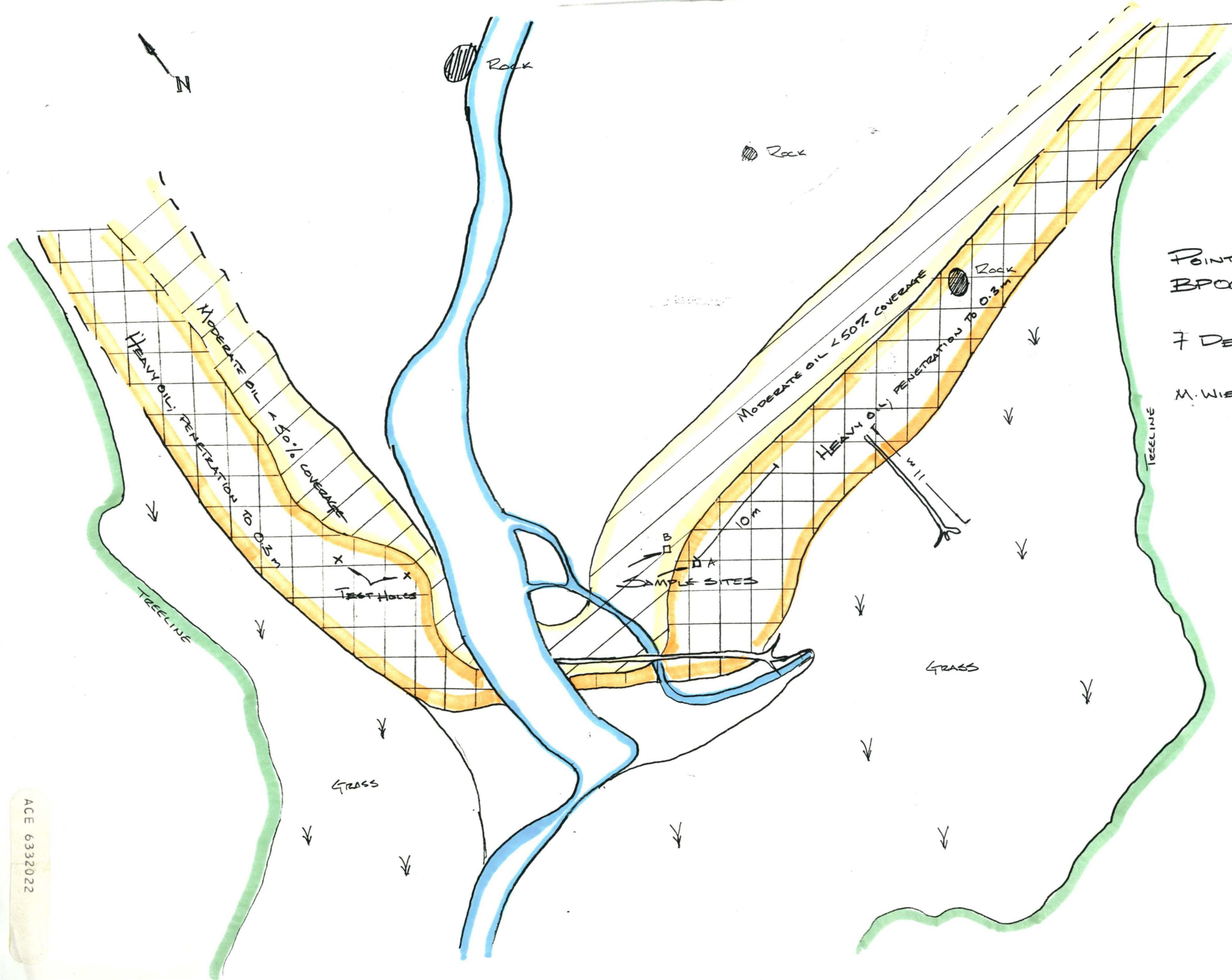
GRASS

GRASS

TREELINE

ACE 6332022

1 cm = 2.9 m



LIST OF ASAP REPORTS and TAG RECOMMENDATIONS
CONTAINING ANDROMOUS STREAMS

9/10/90

<u>SEGMENT</u>	<u>CATALOG #</u>	<u>TAG RECOMMENDATION</u>
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	

Final Anadromous Stream Treatment Information

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						



OFFICIAL PHOTOGRAPH ADF&G EXXON VALDEZ OIL SPILL

OFFICE: VALDEZ

DATE: 09/16/89

TIME: -0-

SEGMENT#: -0-

STATION#: -0-

LOCATION: PT. COUNTESS, BAINBRIDGE PASSAGE

REASON FOR TAKING PHOTO: DOCUMENTING UNDOCUMENTED SALMON SPAWNING
STREAM (148°06'00"/60°12'00"). (AERIAL PHOTO OF
INTERTIDAL AREA).

TAKEN BY: RICK GUSTIN

INITIALS: _____

ROLL #: 89RLG008V FRAME #: 07

EVIDENCE ID#: 10211

ACE 6976509

ADEC EXXON VALDEZ POST-TREATMENT SURVEY REPORT

SEGMENT#: BP004
LOCATION: BAINBRIDGE PASSAGE

DATE: 10/12/89
TIME: 17:00

Survey Type: Boat, Ground
Team: J. Krieger, K. Dutcher

WEATHER AND SEA CONDITIONS

Weather: Sunny
Sea State: Calm

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

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

OIL CHARACTERISTICS

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

Max. Oil Thickness: 0 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: none
(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 6976510



CORDOVA DISTRICT FISHERMEN UNITED

P.O. Box 939

Cordova, Alaska 99574

(907) 424-3447

July 26, 1989

TO: Sharon Christofferson, NOAA, Chairperson ISCC
FROM: Jeannine Buller, CDFU - Valdez

We request that the booms deployed to protect anadromous fish streams in the following areas be retained:

MONTAGUE DISTRICT

STREAM

227-20-17390	Swamp Creek
227-10-17110	Quadra Creek
227-20-175990	Rocky Creek
227-20-1747-3 (747-2)	Cabin Creek
227-20-17410	Chalmers River
227-10-17020-707	McCleod Creek
227-20-17400	Kelez Creek
227-20-17490	Shad Creek
227-20-17520	Stockdale Creek
227-20-17440	Wilby Creek
227-20-17460	Schuman Creek
227-20-17740	Rosswog Creek
227-20-17450	Wild Creek
227-20-17480	Gilmour Creek
227-20-17380	Russel Creek

SOUTHWESTERN DISTRICT

STREAM

226-20-6340	Whale Bay
226-40-16740 (16750)	Falls Creek
226-40-16700	Montgomery Creek
226-40-16557	Johnson Creek
226-40-16560	Halverson Creek
226-20-16320	Claw Creek
226-20-16330	Whale Bay
226-40-16760	LaTouche
226-40-16770	LaTouche
226-40-16370	Bainbridge Pass

BP 004 PT counters

ACE 6976533 +/S

Our reason for requesting that these streams remain protected is due to the reports we have received from vessels in these areas and from information provided in Exxon Cordova Air Reconnaissance reports. Observations have been sheens and oil debris. (See attached report.)

Due to the lack of fresh water in the streams, we are also concerned that they are incapable of sufficiently self-flushing at this time.

These are some of our top producing salmon streams and we would hate to see them oiled at this late date. I am aware that the ADF&G has stated that boom will be removed from the mouth of streams due to the fear that spawning salmon would be impeded by boom by not entering stream. But, I would like to point out that aerial surveys by Barb Jensen, Exxon Cordova Air Reconnaissance has observed salmon above the boom in some streams located on Montague Island, Latouche Island, Whale Bay, Bainbridge Island and Chenega Island.

As far as what boom we would like to see in place during the winter is a difficult question. We would like to see the hatcheries protection boom left in as long as possible and would support PWSAC's decision on this. I believe the Goodyear boom will be removed September 15 and the Nordam boom will remain in place at least until October 1st. We feel it is imperative that boom material be on hand at strategic locations so, if a problem arises during the winter months we may be able to protect resource sensitive areas. (i.e. Sawmill, Esther, Main Bay, Eshamy.)

We know that during winter storms it will be next to impossible to keep any containment boom intact. Also, we would like to see anadromous fish streams along the west side of Latouche Island, McCleod Harbor, Hanning Bay and the top ten salmon producing streams on the West side of Montague Island protected with absorbent boom during the winter. The oil appears to funnel down through the Sound affecting these areas.

Any questions, Sharon, please give me a call.

ALONG STREAM HABITAT EVALUATION

STUDY SITE # BPO04U03MHDATE 12/7/89Location Pt. COUNTESS Lat. 60° 13' Long. 148° 6.4'Team Members MIKE WIEDMER/RANDY TALVI Time (start/stp) 1350/1445Low Tide (time/ht.) 14.34 / 2.6 High Tide (time/ht.) 8.19 / 11.1Weather: (sunny/ cloudy/ rain/ fog/ snow)Seas: (rough/ moderate/ calm) Wave Height: 2-3'Wind direction: (N-NE-E-SE-S-SW-W-NW) Knots: (0-10) 10-20 20-30 30+)

STREAM MORPHOLOGY

Instream Pt. Locations	Bearing from Transit Pt.	Distance from Transit Pt.	Distance to L.Streambank	Distance to R.Streambank
On Transect	<u>N/A</u>			
Upper ITZ				
Low-Mid ITZ				

Observations: (berms, tide pools, etc.) HEAVY OIL CONCENTRATED ALONG SEAWARD SIDE OF STORM BERM - OIL IN SMALL SIDE CHANNEL BUT NOT IN MAIN CHANNEL. NO TIDE POOLS AT SITE.

PHOTO AND VIDEO DOCUMENTATION (taken from transit point; transect line 0°)

<° N/A photo: roll#/frame _____
 <° photo: roll#/frame _____
 <° photo: roll#/frame _____
 <° photo: roll#/frame _____
 <° photo: roll#/frame _____

Video scan (cassette #, footage) _____

Additional video footage _____

Aerial video (cassette #, footage) _____ height 200'

Aerial photo (roll #, frame) _____

OIL MEASUREMENT, OBSERVATIONS (see map for details)

Location (tidal zone, bank)	Width and Length of oil band	%Coverage	Subsurface/surface/depth
<u>#1 UPPER INTERTIDAL</u>	<u>~ 8m x > 50m</u>	<u>> 75%</u>	<u>25cm PENETRATION</u>
<u>#2 " "</u>	<u>"</u>	<u>"</u>	<u>"</u>
<u>A " "</u>	<u>"</u>	<u>≤ 50%</u>	<u>5cm "</u>
<u>B " "</u>	<u>"</u>	<u>≤ 50%</u>	<u>5cm "</u>

P. 2 - Stream Habitat Evaluation

.5M² Sample Plot
Location, °, dist.
from transit pt.

%Coverage

Avg.
Depth

Oil Type, Consistency

<u>A</u>	<u>>75%</u>	<u>>1'</u>	pooled_mousse_coated_mobile_
<u>B</u>	<u>>50%</u>	<u>>1'</u>	tarry_asphalt_stain_
		<u>>1'</u>	pooled_mousse_coated_mobile_
		<u>>1'</u>	tarry_asphalt_stain_
		<u>>1'</u>	pooled_mousse_coated_mobile_
		<u>>1'</u>	tarry_asphalt_stain_
		<u>>1'</u>	pooled_mousse_coated_mobile_
		<u>>1'</u>	tarry_asphalt_stain_
		<u>>1'</u>	pooled_mousse_coated_mobile_
		<u>>1'</u>	tarry_asphalt_stain_
		<u>>1'</u>	pooled_mousse_coated_mobile_
		<u>>1'</u>	tarry_asphalt_stain_

% of Transect Line Intercepting Oil: ____; Heavy ____ Moderate ____ Light ____

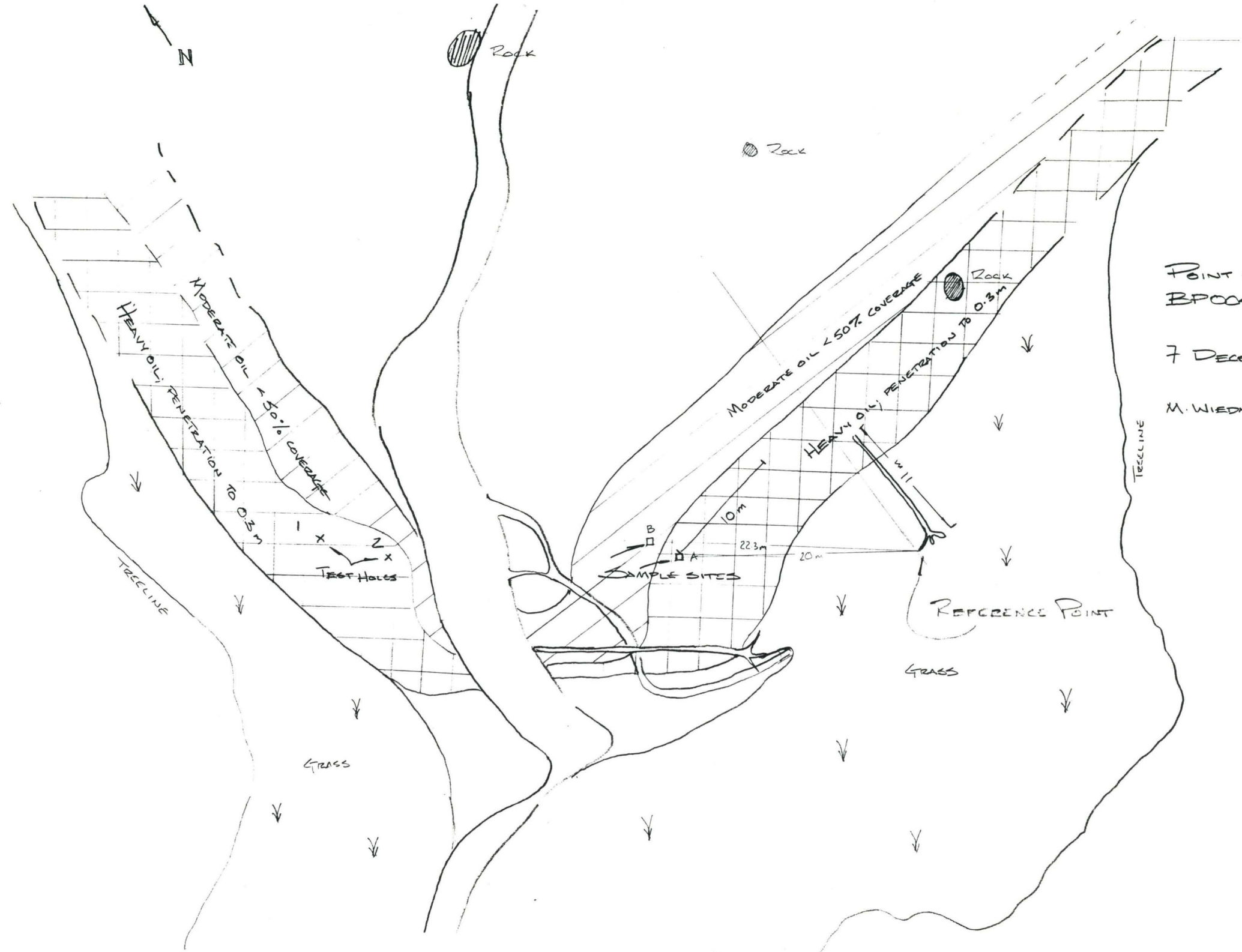
SAMPLES TAKEN: Sediment (S), Gross Oil (GO), or Indicator Organism (ORG)

Type	Sample#	Location (°, dist.), Description	Documentation
<u>S</u>	<u>89RT002</u>	<u>305° 20-m</u>	
	<u>89RT003 1A</u>	<u>305° 20 m</u>	
	<u>" 2A</u>	<u>305° 20 m</u>	
	<u>89RT003 1B</u>	<u>308° 22.3 m</u>	
	<u>" 2B</u>	<u>308° 22.3 m</u>	

Biological Damage, Other Observations: NO APPARENT BIOLOGICAL

DAMAGE - SURFACE BIOTA MINIMAL; OIL BAND IMMEDIATELY
ADJACENT TO AND BELOW STREAM; OILED SUBSTRATE WITHIN
CHANNEL

ACE 6976592-18



POINT COUNTESS
BP004U03MH

7 DECEMBER, 1989 1400

M. WIEDMER, R. TALVI

1cm = 2.9m

1991 Post-Treatment
Assessment

ADF&G MULTI-ASSESSMENT DATA FORM

226-2016397

- 1) SURVEY TYPE: BS SS 2) REGION: PWS KP, CI K, AP
- 3) METHOD: Aerial Ground Boat BP004A
- 4) DATE: 7/30/91 16) HIGH TIDE TIME: _____ 22) TEAM RECORDER: M. Fitt
- 5) START TIME: 2:18 17) HIGH TIDE HTS: _____ 23) OBSERVERS: Kuwada, Middleton, Weseman
- 6) STOP TIME: 3:06 18) LOW TIDE TIMES: _____ 24) AGENCY: F&G
- 7) SEGMENT #: BP004A 19) LOW TIDE HTS: _____ 25) PHOTOS TAKEN: Y N
- 8) K-UNIT: _____ 20) TIDE HT AT SURVEY: +7-+9 ft ROLL #: _____ FRAMES: _____
- 9) LAT: _____ Ebb Slack Flood Slack 26) VIDEO TAKEN: Y N
- 10) LONG: _____ 21) USCG QUAD: _____ TAPE #: _____
- 11) ASC #: 226-20-16397 START: _____ STOP: _____
- 12) STREAM NAME: _____ 27) SAMPLES TAKEN? Y N
- 13) LOCATION: West of Point Countess on mainland SAMPLE I.D. _____
- 14) WAVE EXPOSURE: High Moderate Low _____
- 15) SHORELINE TYPE: Headland Low-lying Rocks Beach _____
- Cove Lagoon Marsh _____

28) EXTENT OF OIL

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
<u>SITE 1 C</u>	<u>2</u>	<u>1</u>	<u>2</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>AP</u>
<u>SITE 2 D</u>	<u>21</u>	<u>2</u>	<u>42</u>	<u>2</u>	<u>-</u>	<u>-</u>	<u>AP</u>
<u>SITE 3 E</u>	<u>5</u>	<u>1</u>	<u>5</u>	<u>5</u>	<u>-</u>	<u>-</u>	<u>AP</u>
<u>SITE 4 F</u>	<u>40</u>	<u>2</u>	<u>80</u>	<u>10</u>	<u>-</u>	<u>-</u>	<u>AP/H50R</u>
<u>SITE 5</u>							

- 29) OVERALL OIL IMPACT:
- H = >6m band with $\geq 50\%$ oil coverage
- M = >6m band with $\leq 50\%$ oil coverage or $\geq 3m$ to $\leq 6m$ with $\geq 10\%$ oil coverage
- L = <3m band with $> 10\%$ oil coverage
- VL = $\leq 10\%$ oil coverage regardless of band width
- N = No oil observed
- 33) ANADROMOUS FISH PRESENT: ^{Observed} Y N

- 30) OIL IN STREAMBED: Y N
- 1) OIL ON BEACH ADJACENT TO MOUTH: Y N
- 32) SUBSTRATE TYPE (PERCENT):
- Bedrock ✓ Boulder _____ Gravel ✓ Sand _____ Cobble ✓ Mud/Silt ✓

- 34) WILDLIFE OBSERVATION
- Species _____ Number _____
- 35) COMMENTS: Pinks observed off the mouth. Picked up sediments in areas cap. Partially filled area F, where AP/H50R was located. More, undoubtedly, is located under the Eucalyptus wash line.
- No reassessment recommended in 1992.
- * Survey focused on documented oiling treated in 1991.

36) PHOTOLOG

FRAME(S)

DESCRIPTION

Δ = Sample Taken
2/ = Photo Frame # and
Shot Direction

ADFG SHORELINE OILING SUMMARY

PAGE 1 OF 3

A.S.C. NO. 226-20-16395

Team Recorder: FINK 16388

Observers: Weseman Middleton

SEGMENT BPO04

SUBDIVISION A

DATE 7/30/91

TIME 1:47 to 2:06
2:18 to 3:06

TIDE LEVEL +6 ft. to +10 ft.

ENERGY LEVEL: ☐ H ☐ M ☒ L

SURVEYED FROM: ☒ FOOT ☐ BOAT ☐ HELO

WEATHER: ☐ SUN ☒ CLOUDS ☐ FOG ☐ RAIN ☐ SNOW

3:30, to 3:40

TOTAL LENGTH SHORELINE SURVEYED: _____ m NEAR SHORE SHEEN: ☐ BR ☐ RB ☐ SL ☒ NONE

EST. OIL CATEGORY LENGTH: W _____ m M _____ m N _____ m VL _____ m NO _____ m US _____ m

L O C	SURFACE OIL CHARACTER										SURFACE SEDIMENT TYPE	SHORE SLOPE VHML	AREA		ZONE				NOTES
	AP	MS	TB	SOR	CV	CT	ST	FL	DB	NO			WIDTH m	LENGTH m	S	UI	MI	LI	
A				S							CPG	L	2	5	X				HSOR - 410% AU
B			S								CPG	L	0.5	0.5	X				A few tarballs AU
C	B										PG org	M	1	2	X				In grass PU + filled
D	S										CPG	M	2	21	X				Scattered 2% PU.
E	S										B talus	V	1	5	X				inaccessible 5%
F	S			S							PCG		2	40	X				Weathered: HSOR

DISTRIBUTION: C = 91-100%; B = 51-90%; P = 11-50%; S = 1-10%; T = <1%

SLOPE: V = VERTICAL; H = HIGH ANGLE; M = MEDIUM ANGLE; L = LOW ANGLE PHOTO ROLL# _____ FRAMES _____

PIT NO.	PIT DEPTH (cm)	SUBSURFACE OIL CHARACTER							OILED ZONE cm-cm	CLEAN BELOW Y/N	H2O LEVEL (cm)	SHEEN COLOR B R S N	PIT ZONE				SURFACE- SUBSURFACE SEDIMENTS	NOTES
		OP	HOR	MOR	LOR	OF	TR	NO					S	UI	MI	LI		

SHEEN COLOR: B = BROWN; R = RAINBOW; S = SILVER; N = NONE

OG COMMENTS:

226-20-16395 → A good job on the treatment! 226-20-16395 looks good. No pinks observed. Removed one geobag of oiled sediments. NOT Recommended for reassess. in 1991.

226-20-16397 → Pinks observed. Tilled AP/HSOR where located. More, undoubtedly under Fucus wash line. No reassessment recommended in 1992.

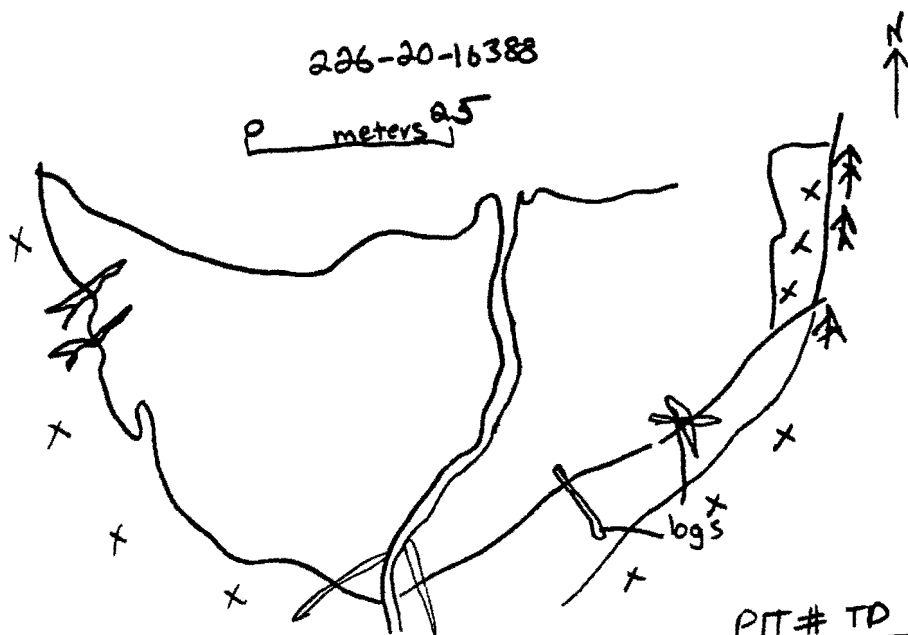
226-20-16388 → Tide too high to survey. ~200 pinks seen near the mouth.

* Survey focused on documented oiling treated in 1991.

1991 Post-Treatment
Assessment

226-20-16388

0 meters 25



ANAD FISH
STREAM

BP-004-A

7/30/91

2:18-3:40 pm

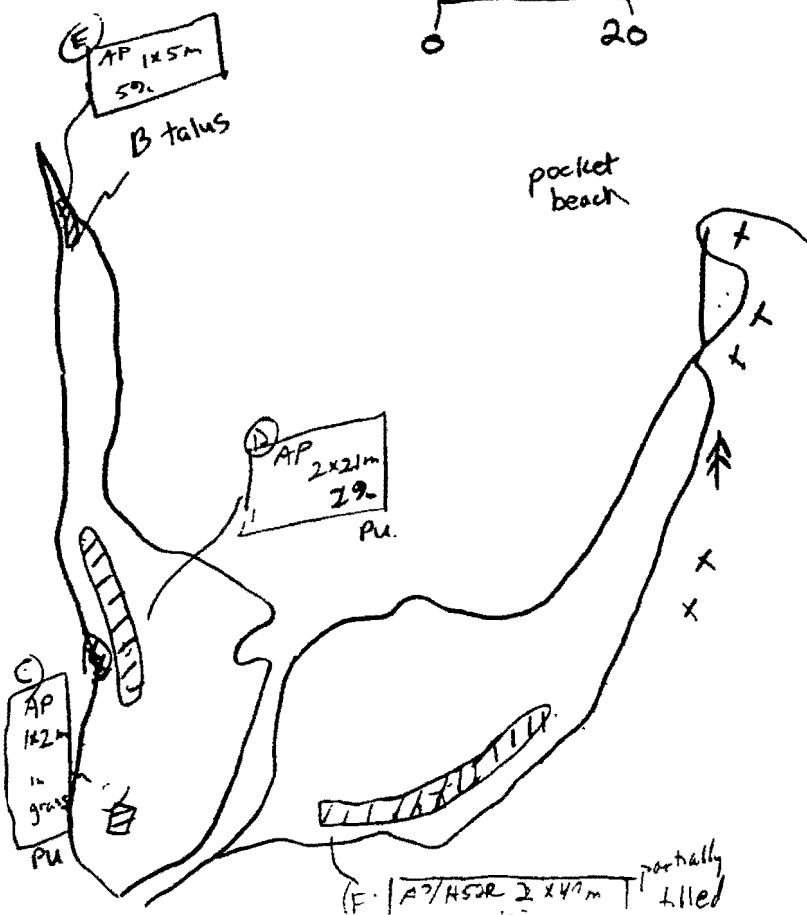
FINK, ADF46

PIT # TD oil clean below sheen seds w/t zone

226-20-16397

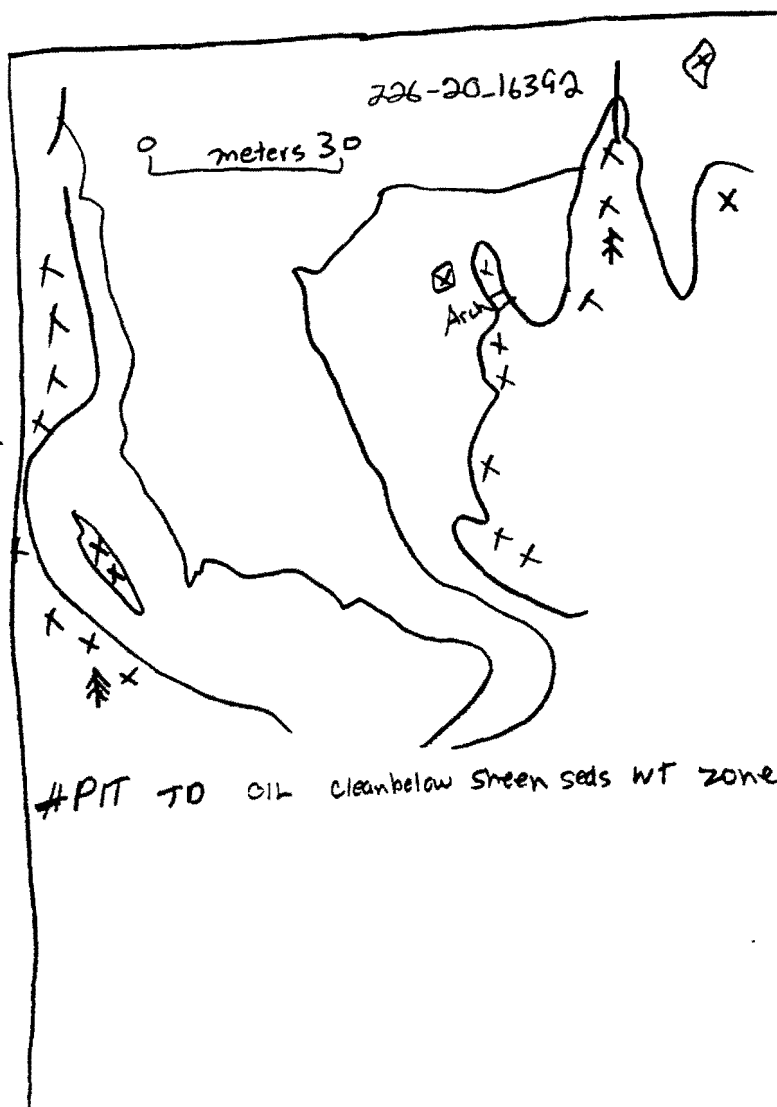
0 20

pocket
beach



226-20-16392

0 meters 30



#PIT TD oil clean below sheen seds w/t zone

EXXON Valdez Oilspill Cleanup

Anadromous Fish Stream Authorization

Date July 5 1991

EXXON Authorized Representative Jon Garnecki

Shoreline Segment BP004 A

Anadromous Fish Stream Number(s) 226-20-16397

Approved Cleanup Techniques Manual removal of oiled sediments, mechanical filling with tide & recovery of oil

Approved Cleanup Period May 15 - July 10 1991
If extension is needed, it can be issued with ADFG authorization

Alaska Department of Fish and Game

Aimee Weseman
Authorized Officer

Jon Garnecki
Permittee's Signature

Asynchronous Rich Stream Authorization

ELTON, Authorized Representative

Shoreline Segment

Anadromous Fish Stream Number (a)

Approved Cleaners Technology

Approved Cleanup Period

Alaska Department of Fish and Game

UNCLASSIFIED CONFIDENTIAL

THE UNIVERSITY OF CHICAGO

ADF&G MULTI-ASSESSMENT DATA FORM

- 1) SURVEY TYPE: BS SS 2) REGION: PWS KP, CI K, AP
- 3) METHOD: Aerial Ground Boat
- 4) DATE: 5/5/91 16) HIGH TIDE TIME: _____ 22) TEAM RECORDER: Tom Crowe
- 5) START TIME: 1510 17) HIGH TIDE HTS: _____ 23) OBSERVERS: Aimee Weisman
- 6) STOP TIME: 1600 18) LOW TIDE TIMES: 1230 24) AGENCY: ADF&G
- 7) SEGMENT #: BPO04 19) LOW TIDE HTS: +1.6 25) PHOTOS TAKEN: Y (N)
- 8) K-UNIT: _____ 20) TIDE HT AT SURVEY: +4 to +5 ROLL #: _____ FRAMES: _____
- 9) LAT: _____ Ebb Slack Flood Slack 26) VIDEO TAKEN: Y (N)
- 10) LONG: _____ 21) USCG QUAD: _____ TAPE # _____
- 11) ASC #: 226-20-16397 START: _____ STOP: _____
- 12) STREAM NAME: _____ 27) SAMPLES TAKEN? Y (N)
- 13) LOCATION: PT COUNTRSS BANBRIDGE MAINLAND SAMPLE I.D. _____
- 14) WAVE EXPOSURE: High Moderate Low
- 15) SHORELINE TYPE: Headland Low-lying Rocks Beach
- Cove Lagoon Marsh

28) EXTENT OF OIL

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1	<u>300</u>	<u>3</u>	<u>900</u>	<u>15</u>	<u>+5cm</u>		<u>AP/H5OR</u>
SITE 2	<u>20</u>	<u>20</u>	<u>400</u>	<u>1</u>	<u>+3cm</u>		<u>AP/SOR</u>
SITE 3							
SITE 4							
SITE 5							

29) OVERALL OIL IMPACT:

H = >6m band with ≥50% oil coverage

(M) = >6m band with ≤50% oil coverage or ≥3m to ≤6m with ≥10% oil coverage

L = <3m band with >10% oil coverage

VL = ≤10% oil coverage regardless of band width

N = No oil observed

33) ANADROMOUS FISH PRESENT: Y N

30) OIL IN STREAMBED: Y N

31) OIL ON BEACH ADJACENT TO MOUTH: Y N

32) SUBSTRATE TYPE (PERCENT):

Bedrock _____ Boulder 5% Gravel 90% Sand 5% Cobble _____ Mud/Silt _____

- 35) COMMENTS: THIS BEACH STILL HAS HEAVY ^{SOP}AP DEPOSITS WHICH SHOULD BE REMOVED. PICK UP DONE AT THE TIME OF SURVEY WAS INADEQUATE. ALSO ^{TRUE} EXTENT OF H5OR/AP DEPOSITS WERE NOT SHOWN ON EXON OG. SKETCH. MORE PICK UP NEEDS TO BE DONE

34) WILDLIFE OBSERVATION

Species	Number
<u>goldeneye</u>	<u>1</u>
<u>raven</u>	<u>1</u>
<u>deer</u>	<u>1</u>

DESCRIPTION

[illegible]

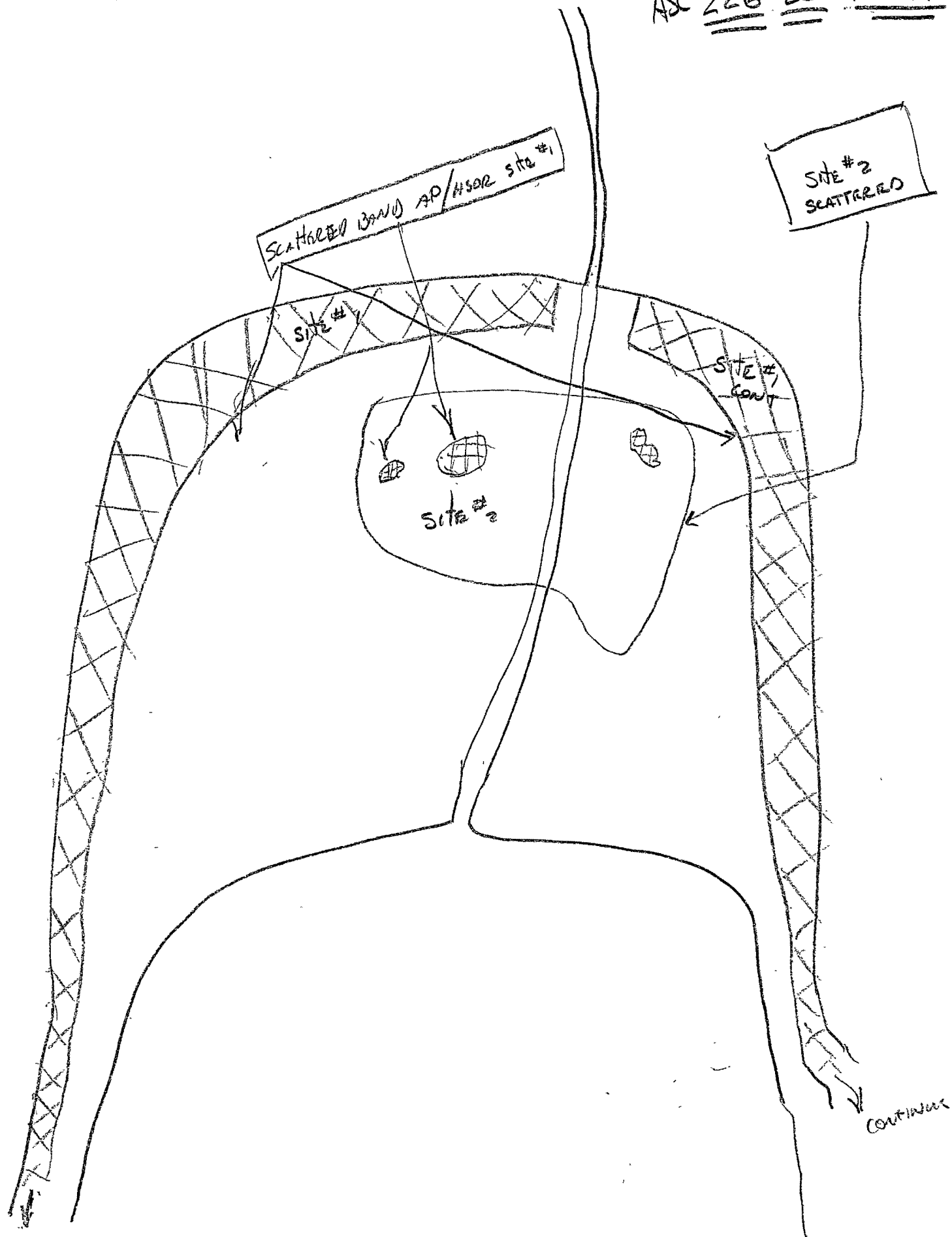
[Faint, illegible handwriting]

A:EDDATFO
April 3, 1991

BPOOH

5/5/91

ASX 226-20-16397



MAYSAP SHORELINE OILING SUMMARY

PAGE 1 OF 2

TEAM NO. 6

OG D.I. LITTLE

BIO T. SCHROEDER

SEGMENT BP-004

ADEC A. WESEMAN / T. CROWE

LANDMANAGER C. SELANOFF for CVC

SUBDIVISION A

EXXON SCOTT NAUMAN

USCG/NOAA CWO SPURR / R. HOFF

DATE 05 / 05 / 91

TIME 14 : 30 to 17 : 40

TIDE LEVEL 3 1/2 ft. to 7 ft.

ENERGY LEVEL: ☐ H ☒ M ☒ L

SURVEYED FROM: ☒ FOOT ☐ BOAT ☐ HELO

WEATHER: ☐ SUN ☒ CLOUDS ☐ FOG ☒ RAIN ☐ SNOW

TOTAL LENGTH SHORELINE SURVEYED: _____ m

NEAR SHORE SHEEN: ☐ BR ☐ RB ☐ SL ☒ NONE

EST. OIL CATEGORY LENGTH: W _____ m M _____ m N _____ m VL _____ m NO _____ m US _____ m

L O C	SURFACE OIL CHARACTER										SURFACE SEDIMENT TYPE	SHORE SLOPE V H M L	AREA		ZONE				NOTES
	AP	MS	TB	SOR	CV	CT	ST	FL	DB	NO			WIDTH m	LENGTH m	S	UI	MI	LI	
A		P									boulder	VH	0.5	1	X				20% PU moss on bd.
B				P							pcg	L	0.5	5		X			heavy (most PU). site 3
C		P									rock	H	2	3	X				in moss on bedrock site 4
D	S										pg	M	10	30		X			PU " "
E	S										g (neg)	M	2	10	X				" "
F	S										pg	L	2	15		X			broken up " "
G		T									B	H	3	10	X	X			in rock crevices " "
H					T	T					BC	H	1	10	X	X			" " site 1
J				T							pg	L	1	20		X			PU site 1
K	T				T						pcg	M	1	15	X	X			site 1
L					S						b rock	M	0.1	0.1	X	X			SITE 2 site 2
M					S						b rock	M	0.5	1		X			" "
N	P												1	2		X			PU (all) " "
O	S			SH							pg	M	0.5	20		X			Broken up " "
P	B			BH							pgc	L	0.1	0.1			X		Broken up " "
Q											rock	HV	0.5	0.5		X			" "

DISTRIBUTION: C = 91-100%; B = 51-90%; P = 11-50%; S = 1-10%; T = <1%

SLOPE: V = VERTICAL; H = HIGH ANGLE; M = MEDIUM ANGLE; L = LOW ANGLE

PHOTO ROLL # MAYSAP- _____

FRAMES _____

PIT NO.	PIT DEPTH (cm)	SUBSURFACE OIL CHARACTER							OILED ZONE cm-cm	CLEAN BELOW Y/N	H2O LEVEL (cm)	SHEEN COLOR B R S N	PIT ZONE				SURFACE-SUBSURFACE SEDIMENTS	NOTES
		OP	HOR	MOR	LOR	OF	TR	NO					S	UI	MI	LI		
1	20							X	—	Y	10	N			X		gc/g	site 3
2	25							X	—	Y	—	N			X		pg/sg	" "
3	25							X	—	Y	—	N		X			gp/gs	site 4
4	30							X	—	Y	—	N			X		pc/gp	" "
5	20							X	—	Y	—	N			X		p/gsp	" "
6	15							X	—	Y	—	N			X		gp/gp	site 1
7	25							X	—	Y	—	N		X			gp-gs	" "
8	25							X	—	Y	—	N			X		p-gp	" "
9	30							X	—	Y	—	N		X			pg-gp	" "

SHEEN COLOR: B = BROWN; R = RAINBOW; S = SILVER; N = NONE

OG COMMENTS:

Surface oil was found in very sporadic patches, usually in the LITZ and occasionally in the SUTZ., however, much was picked up or broken up in situ, leaving (L) SOR at most. No oiled sediments were found in the MITZ which were not treated. By wading and puddling LITZ sediments underwater, it is unlikely that oil is present there because no oil sheens were seen.

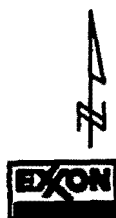
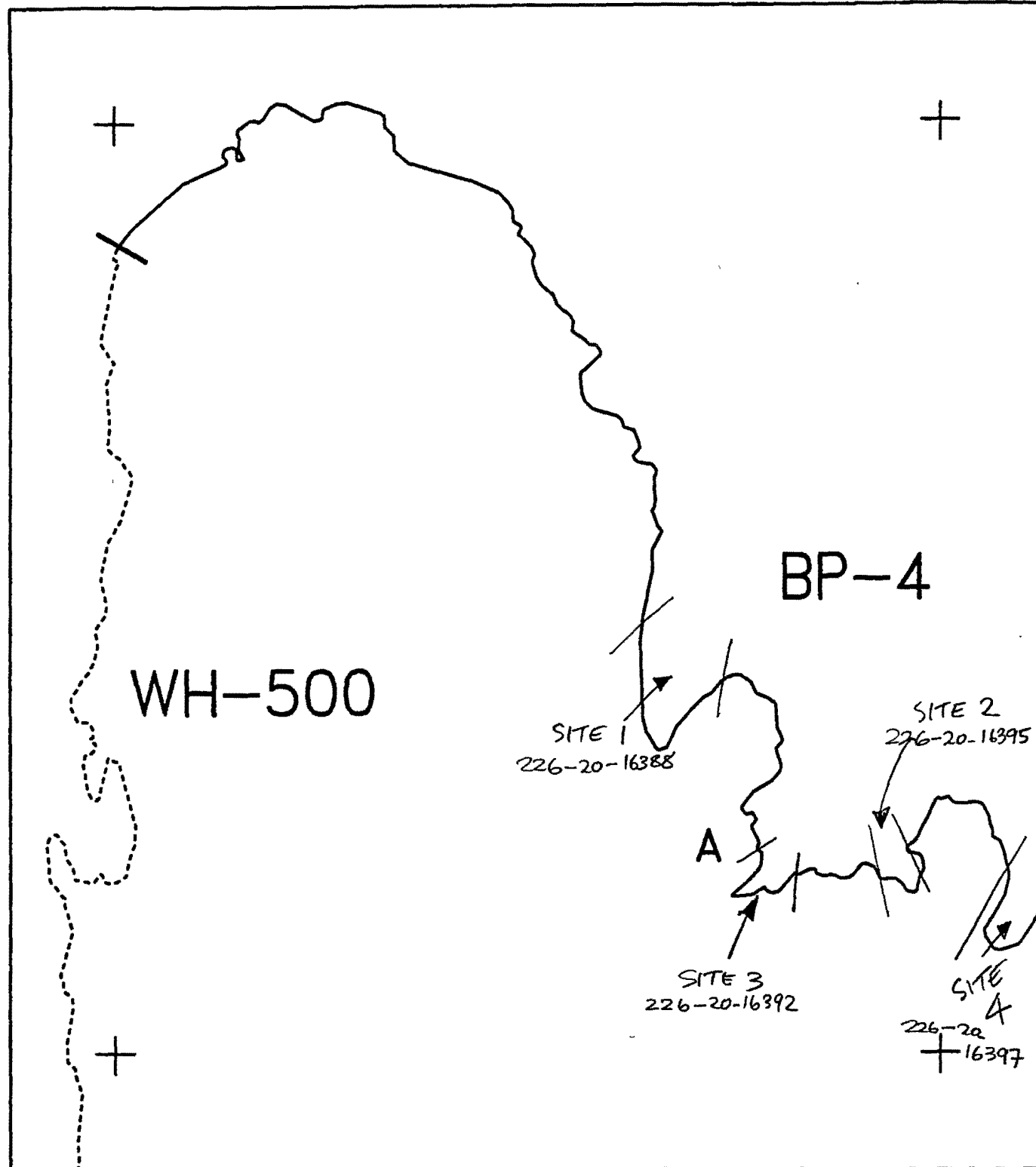
No subsurface oil was observed in a total of eleven pits.

PAGE 2 OF 2

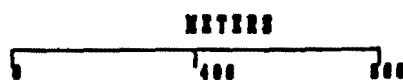
DATE 05 / 05 / 91

SHEEN COLOR: B = BROWN; R = RAINBOW; S = SILVER; N = NONE

OG COMMENTS:



BP004 A



AK State Plane Zone 4
NAD83

Subdivision Field Map

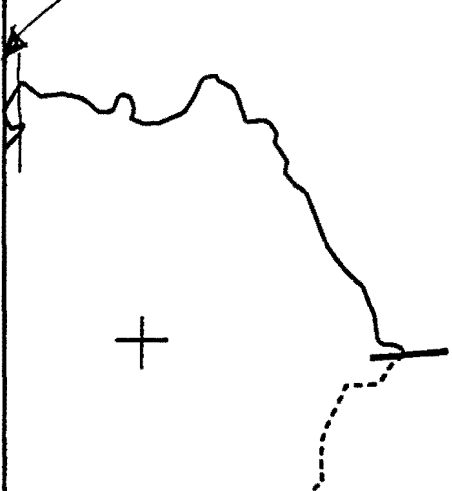
Map Key: PVSHP004Aa

Name: DAVID LITTLE

Date: 05/05/91

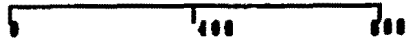


PART of site 4



BP004 A

METERS



AK State Planning Zone 4
bp004ab

Subdivision Field Map

Map Key: PWSBP004Ab

Name: DAVID LITTLE

Date: 05/05/91

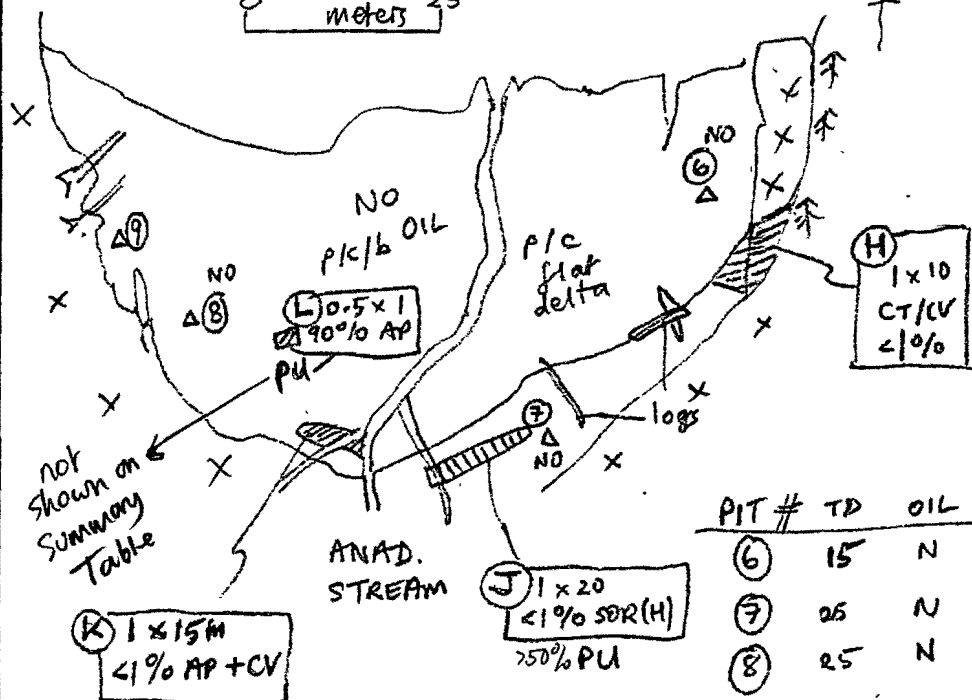
226-20-16388

meters 25

BP-004-A 05/05/91
OG. map D. I. Little
1430-1630

D. I. Little

1430-1630

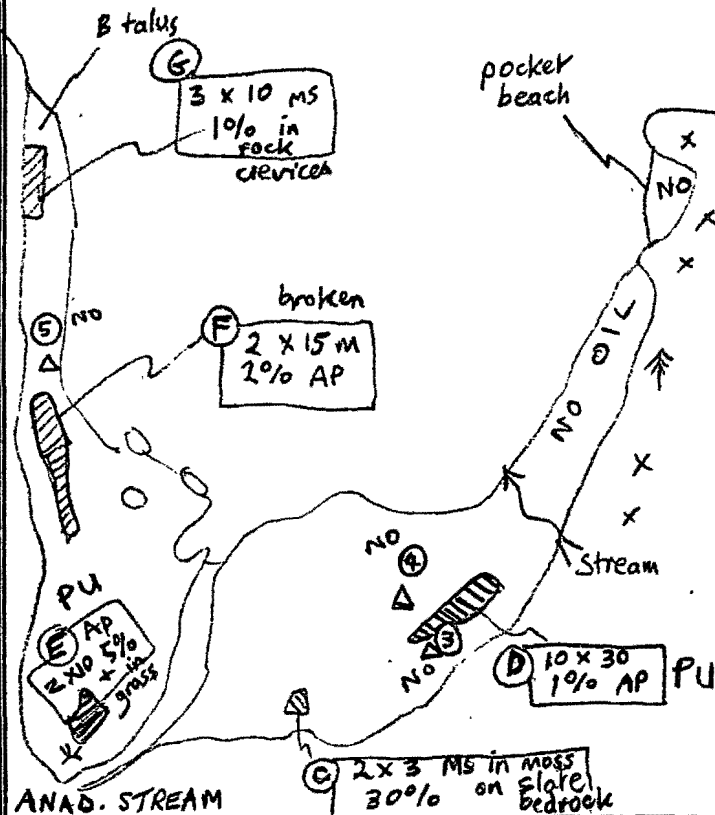


PIT #	TD	OIL	clean below	sheen	seeds	H ₂ O	zone
(6)	15	N	Y	N	gp-gp	-	MITZ
(7)	25	N	Y	N	gp-gs	-	UITZ
(8)	25	N	Y	N	p-gp	-	MITZ
(9)	30	N	Y	N	pg-gp	-	UITZ

SITE 4

226-20-16397

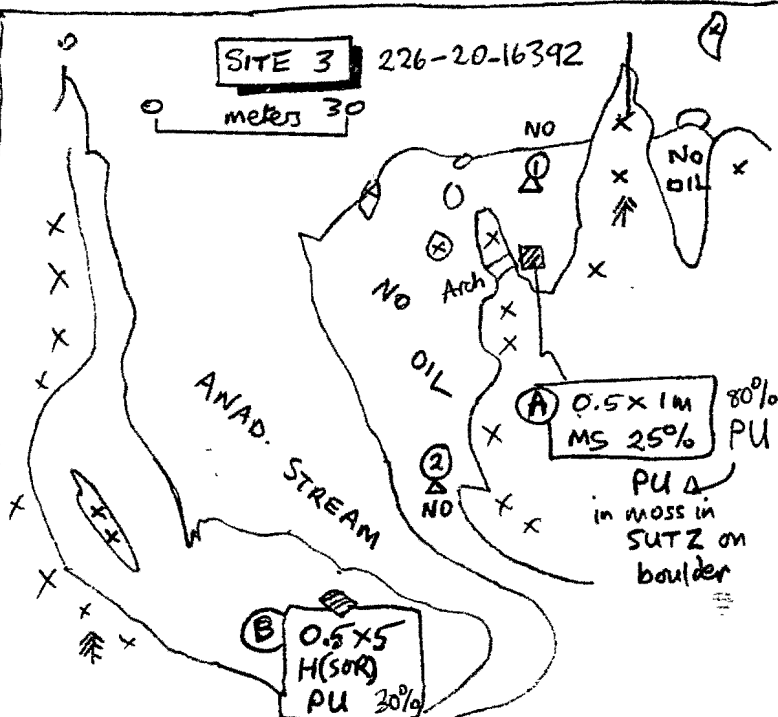
0 20



SITE 3

226-20-16392

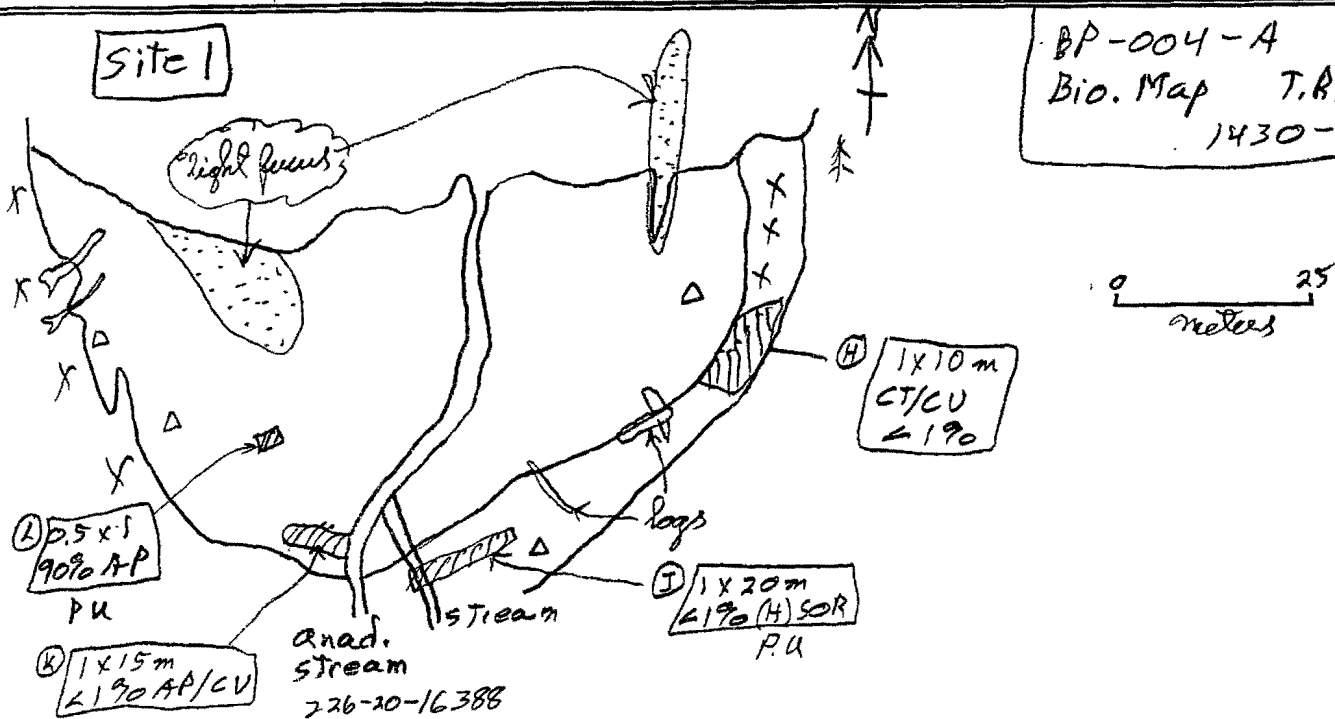
meters 30



#	PIT	TD	OIL	Clear below	Sheen	sed's	H ₂ O	Zone
①	20	N	Y	N	gc/g	10		MITZ
②	25	N	Y	N	pg/sg			MITZ
③	25	N	Y	N	gp/gs			MITZ
④	30	N	Y	N	pc/gp			MITZ
⑤	20	N	Y	N	p-gp			MITZ

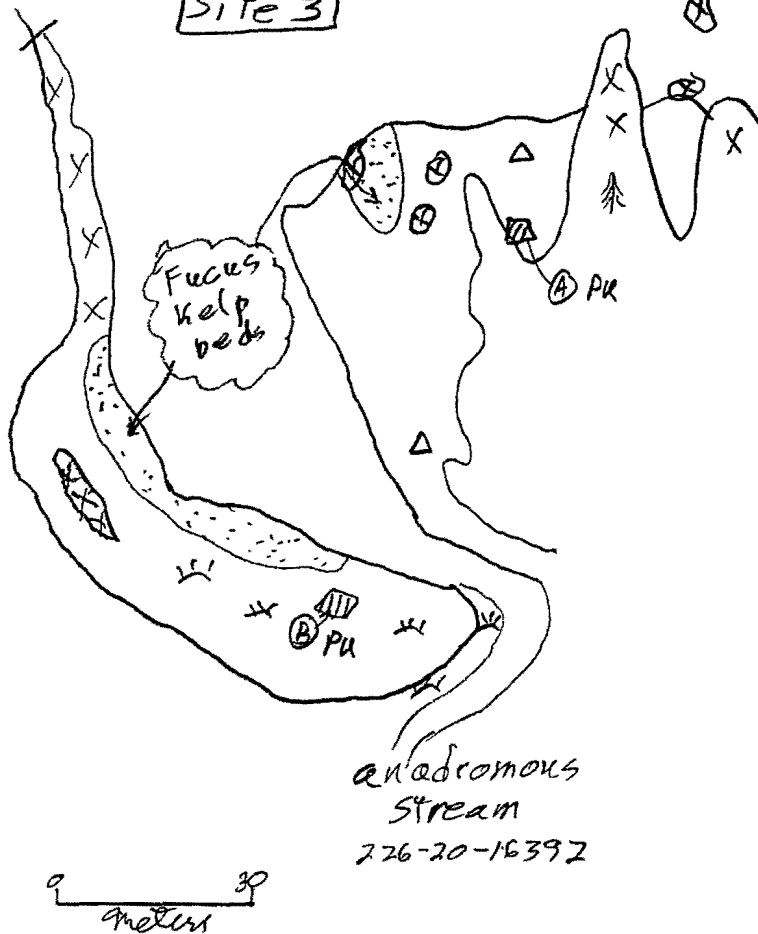
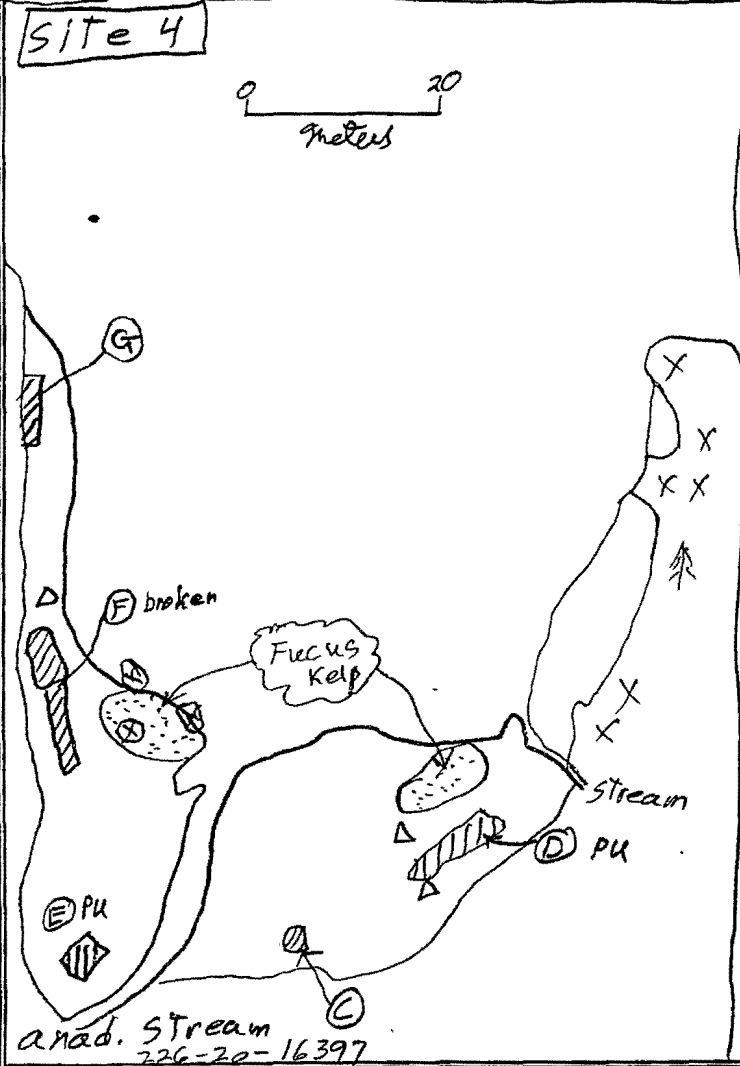
Site 1

BP-004-A 5/5/91
Bio. Map T.R. Schroeder
1430-1630



Site 4

Site 3



MAYSAP BIOLOGICAL SUMMARY FORM

TEAM # 6 DATE 5/5/91
 SEGMENT # BP-004 TIDAL HEIGHT(Range) +4 to +5 1/2 ft
 SUBDIVISION A (Site 4) BIOLOGIST T.A. Schroeder
 SEA STATE calm WIND SPEED/DIRECTION calm
 PHOTOGRAPHS: ROLL # FRAME #

COMMENTS/OBSERVATIONS (to be completed in oiled subdivisions only):

Tide level was quite high which prevented observation of LITZ. Only two small patches of foam were observed. Foam mounds and barnacles were present on large rocks but were scarce in MITZ.

Most oil observed was either picked up or broken up.

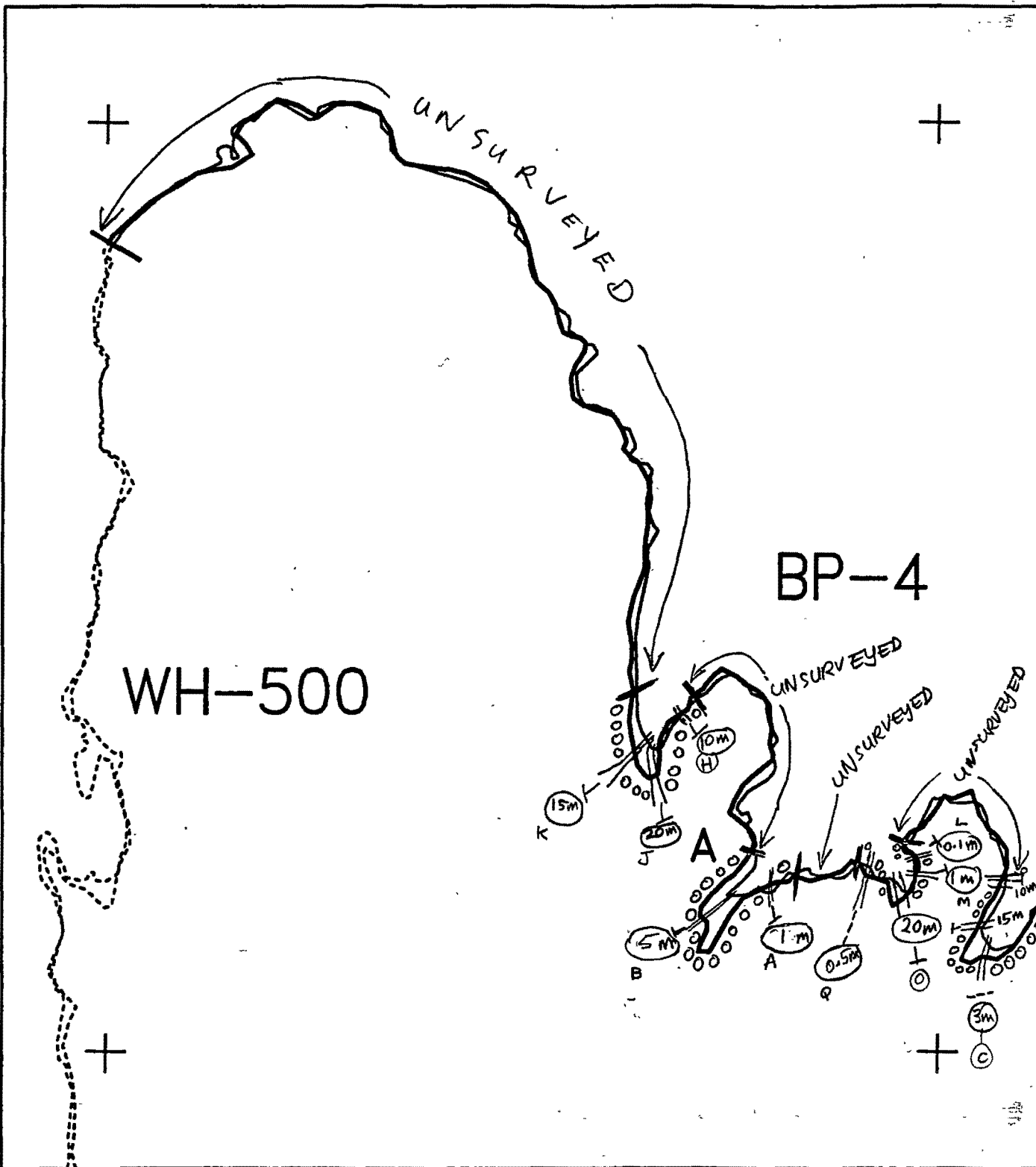
WILDLIFE OBSERVATIONS

TO BE COMPLETED IN ALL SUBDIVISIONS

BIRDS	# OF SPECIES	TOTAL BIRDS	FISH OBSERVED SPECIES PRESENT
Eagles			
Seabirds			
Waterfowl	1	1 goldeneye	
Gulls/kittiwakes			
Shorebirds			
Corvids	1	1 raven	
Other Birds			

MARINE MAMMALS	# OBSERVED	LAND MAMMALS SPECIES	# OBSERVED
Sea Otters		1 Deer	
Pinnipeds(specify)			
Whales(specify)			

Shoreline subdivision map showing important biological features attached.



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

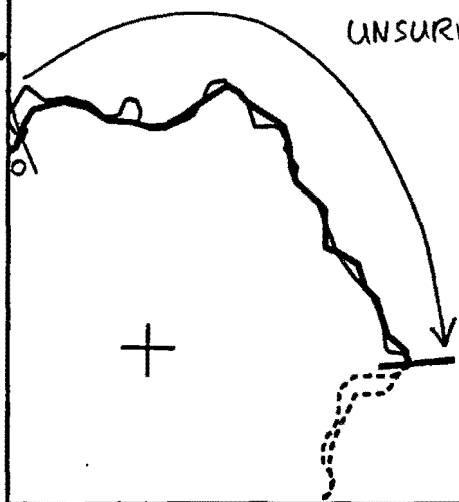
BP004 A
 ADEC Subsegment Length: 8287m
 METERS
 0 400 800
 AK State Plane Zone 4
 pbp004aa

Subdivision Field Map
 Map Key: PWSBP004Aa
 Name: DAVID LITTLE
 Date: 05/05/91
 Data Entered:





UNSURVEYED



XXXX
////

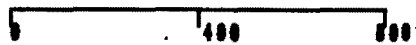
TTTT
0000

Wide
Medium
Narrow
Very Light
No Oil

BP004 A

ADEC Subsegment Length: 8287m

METERS



AK State Plane Zone 4
pby004ab



Subdivision Field Map

Map Key: PWSBP004Ab

Name: DAVID LITTLE

Date: 05/05/91

Date Entered:

ADEC comments cont...

MAYSAP

ANADROMOUS FISH STREAMS

ASC # 0.26-20-16388

" " 16395

16397

16340

unsurveyed

BP-4

WH-500

unsurveyed
#16388
A
#16395
#16340
#16340
unsurveyed
unsurveyed
unsurveyed

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

BP004 A

ADEC Subsegment Length: 8287m

METERS

0 400 800

AK State Plane Zone 4
pbg00400



Subdivision Field Map

Map Key: PWSBP004Ae

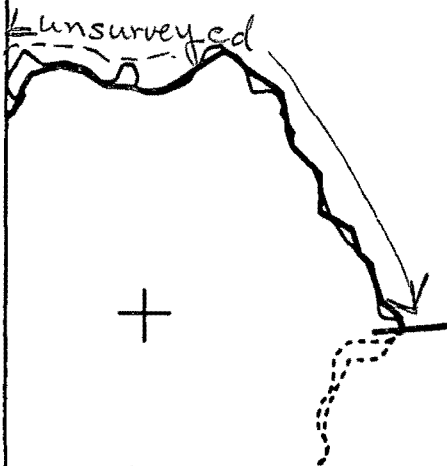
Name: A. Weseman

Date: 5/5/91

Date Entered:

ADEC Comments cont...

MAYSAP



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

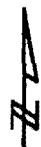
BP004 A

ADEC Subsegment Length: 8287m

METERS

5 100 200

AK State Plane Zone 4
990846



Subdivision Field Map

Map Key: PWSBP004Ab

Name: A. Weseman

Date: 5/5/91

Date Entered:

MAYSAP FIELD SHORELINE COMMENT SHEET

TEAM NO. 6 SEGMENT BP 004 SUBDIVISION A DATE 5/5/91

ADEC/ADFTG

NAME Aimee Weseman

SIGNATURE Aimee Weseman

☒ Treatment Recommended. 4 Anad fish streams Resource Uses-Commercial Fishing & Recreation.
☐ NTR Survey was rushed due to incoming tide & full extent of oiling may not have been documented.

ASC# 226-20-16397-site 4 = This beach stream area still contains AP/Hsor deposits which should be manually removed & tilled. Areas of concern are in the vicinity of sites C, D, E & F. Some PU occurred but not enough.

ASC# 226-20-16395-site 2 = due to short survey & injury, ADFTG monitor unable to determine extent of oiling & how much was removed. A quick inspection of area with removal of AP sediments & or tilling is in order.

EXXON

NAME Scott A. Nauman

SIGNATURE Scott A. Nauman

☒ NTR

All four streams on this subdivision were surveyed. No subsurface oil was found. AP/SOR was either picked up or broken up by the survey team. This subdivision and the four streams are in very good shape - no further work is warranted.

LANDMANAGER

NAME _____ OF _____ SIGNATURE _____

☐ NTR

USCG/NOAA

NAME CWO SPURR / R Hoff

SIGNATURE R. Hoff / Rebecca Hoff

☒ NTR This segment with 4 anadromous streams had little remaining oil. Some asphalt patches were found, and these were mostly picked up or broken apart. The small areas of remaining coat or oil in crevices of boulders is largely inaccessible. The segment requires no further treatment.

TEAM NO. 6 SEGMENT BP-04 SUBDIVISION _____ DATE 5/5/91

ADEC

NAME _____ SIGNATURE _____

☐ NTR

EXXON

NAME _____ SIGNATURE _____

☐ NTR

LANDMANAGER

NAME CHARLES SELANDOFF OF Chenega Bay SIGNATURE Charles Selandoff☐ NTR Treatment recommended

a lot of oily debris, rocks and pebbles. This area can be manually worked over with shovels, rakes and tilled by hand. Also this area is consistantly oiled in spots but with a lot of manual work this area can be greatly improved. Heavily used subsistence area.

USCG/NOAA

NAME _____ SIGNATURE _____

☐ NTR

STREAM#: 2262016392 SEGMENT#: BP004 A LOCATION: MAINLAND, BAINBRIDGE PASSAGE, POINT COUNTESS STREAM NAME:
PURPOSE: M/V DON BOLLINGER, BIOREMEDIATION CREW ON SITE

DATE	OBSERVER OTHER REPS	WORK ORDER DATE	DEMOBIL. DATE	SURFACE OIL SUBSURFACE OIL	TREATMENTS	AMOUNT REMOVED	REMAINING OIL
07/12/91	HILL ADEC MONTESANO, USCG SCHULTZ, EXX KATSIMPAL	07/02/91		MS TB	MANUAL RAKING		

COMMENTS:
CLEANUP SITE #3: A FEW TARBALLS OBSERVED AT HEAD OF BAY IN THE UITZ (ON HIGH GRAVEL BERMS - GRAVEL VEGETATION INTERFACE). CUSTOMBLEN APPLIED TO TWO SITES WEST OF THE STREAM EMBAYMENT. BOTH APPLICATIONS OCCURRED CONSIDERABLY FURTHER THAN 100M FROM THE STREAM CHANNEL. NO INIPOL APPLIED.

STREAM#: 2262016397 SEGMENT#: BP004 A LOCATION: MAINLAND, BAINBRIDGE PASSAGE, POINT COUNTESS STREAM NAME:
PURPOSE: CLEANUP MONITORING, M/V DON BOLLINGER

DATE	OBSERVER OTHER REPS	WORK ORDER DATE	DEMOBIL. DATE	SURFACE OIL SUBSURFACE OIL	TREATMENTS	AMOUNT REMOVED	REMAINING OIL
07/12/91	HILL ADEC MONTESANO, USCG SCHULTZ	07/02/91		AP MS	MANUAL REMOVAL	100 LBS	LIGHT SCATTERING OF 'TB' & 'AP', SOME 'SOR'/LIGHT 'AP' REMAINS IN CLOSE PROXIMITY TO STREAM, WHATEVER WAS MISSED BY THIS PICKUP, BENEATH VEGETATION (MITZ & UITZ). AREA IN NEAR VICINITY OF STREAM CHANNEL SHOULD BE SURVEYED IN FUTURE. SCATTERED 'AP' LOCATED WHICH WAS NOT ON MAYSAP MAY (WEST SHORE - UITZ).

COMMENTS:
'AP/SOR' REMOVED FROM MITZ/UITZ IN VICINITY OF STREAM ON EAST SHORE. 'AP/SOR' FOUND AMONGST PLANTAGO, SILVERWEED AND GRASS. NO SIGNIFICANT OIL FOUND AT LOCATION E & C (PROBABLY REMOVED BY AURIGA CREW WITH ADEC DALE GARDNER).

ADF&G MULTI-ASSESSMENT DATA FORM

- 1) SURVEY TYPE: BS SS 2) REGION: PWS KP, CI K, AP
- 3) METHOD: Aerial Ground Boat
- 4) DATE: 5/5/91 16) HIGH TIDE TIME: _____ 22) TEAM RECORDER: Tom Crowe
- 5) START TIME: 1510 17) HIGH TIDE HTS: _____ 23) OBSERVERS: Aimee Weeman
- 6) STOP TIME: 1600 18) LOW TIDE TIMES: 1230 24) AGENCY: ADF&G
- 7) SEGMENT #: BPO04 19) LOW TIDE HTS: +1.6 25) PHOTOS TAKEN: Y N
- 8) K-UNIT: _____ 20) TIDE HT AT SURVEY: +4 to +5 ROLL #: _____ FRAMES: _____
- 9) LAT: _____ Ebb Slack Flood Slack 26) VIDEO TAKEN: Y N
- 10) LONG: _____ 21) USCG QUAD: _____ TAPE # _____
- 11) ASC #: 226-20-16397 START: _____ STOP: _____
- 12) STREAM NAME: _____ 27) SAMPLES TAKEN? Y N
- 13) LOCATION: PT COUNTRASS BANBRIDGE MAINLAND SAMPLE I.D. _____
- 14) WAVE EXPOSURE: High Moderate Low
- 15) SHORELINE TYPE: Headland Low-lying Rocks Beach
- Cove Lagoon Marsh

28) EXTENT OF OIL

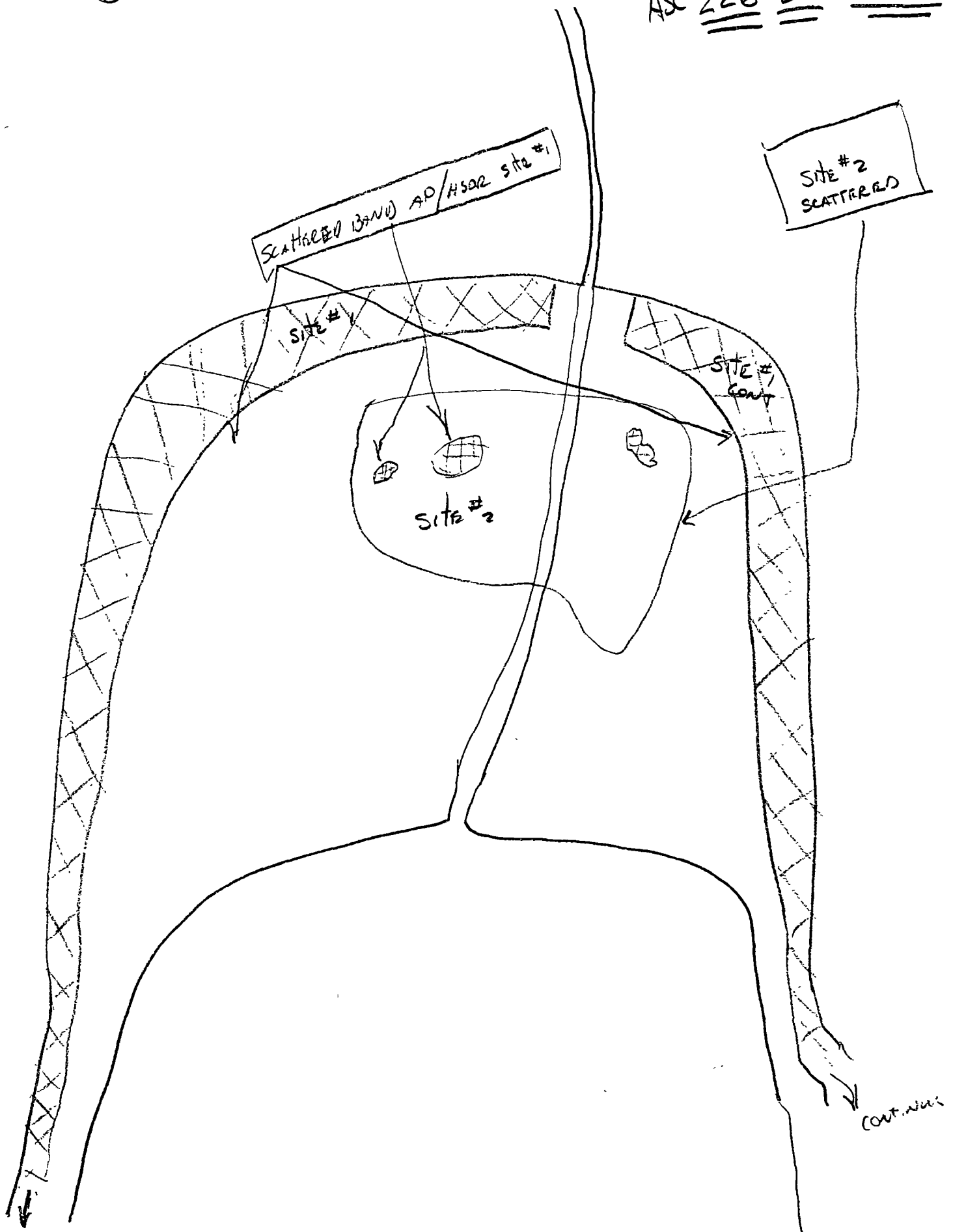
	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1	<u>300</u>	<u>3</u>	<u>900</u>	<u>15</u>	<u>+5cm</u>		<u>AP/Hsor</u>
SITE 2	<u>20</u>	<u>20</u>	<u>400</u>	<u>1</u>	<u>+3cm</u>		<u>AP/SOR</u>
SITE 3							
SITE 4							
SITE 5							

- 29) OVERALL OIL IMPACT: 33) ANADROMOUS FISH PRESENT: Y N
- H = >6m band with $\geq 50\%$ oil coverage
- M = >6m band with $\leq 50\%$ oil coverage or $\geq 3m$ to $\leq 6m$ with $\geq 10\%$ oil coverage
- L = <3m band with $> 10\%$ oil coverage
- VL = $\leq 10\%$ oil coverage regardless of band width
- N = No oil observed
- 34) WILDLIFE OBSERVATION
- | Species | Number |
|------------------|----------|
| <u>goldeneye</u> | <u>1</u> |
| <u>raven</u> | <u>1</u> |
| <u>deer</u> | <u>1</u> |
- 30) OIL IN STREAMBED: Y N
- 31) OIL ON BEACH ADJACENT TO MOUTH: Y N
- 32) SUBSTRATE TYPE (PERCENT):
- Bedrock _____ Boulder 5% Gravel 90% Sand 5% Cobble _____ Mud/Silt _____
- 35) COMMENTS: THIS BEACH STILL HAS HEAVY^{SOP} AP DEPOSITS WHICH SHOULD BE REMOVED. PICK UP DONE AT THE TIME OF SURVEY WAS INADEQUATE. ALSO^{TRUE} EXTENT OF H.SOR/AP DEPOSITS WERE NOT SHOWN ON RAXON OG. SKETCH. MORE PICK UP NEEDS TO BE DONE

BPOOH

5/5/91

ASC 226-20-16397



MAYSAP SHORELINE OILING SUMMARY

PAGE 1 OF 2

TEAM NO. 6

OG D.I. LITTLE

BIO T. SCHROEDER

SEGMENT BP-004

ADEC A. WESSEMAN / T. CROW

LANDMANAGER C. SELANOFF for CVC

SUBDIVISION A

EXXON SCOTT NAUMAN

USCG/NOAA CWO SPURR / R. HOFF

DATE 05 / 05 / 91

TIME 14 : 30 to 17 : 40

TIDE LEVEL 3 1/2 ft. to 7 ft.

ENERGY LEVEL: ☐ H ☒ M ☒ L

SURVEYED FROM: ☒ FOOT ☐ BOAT ☐ HELO

WEATHER: ☐ SUN ☒ CLOUDS ☐ FOG ☒ RAIN ☐ SNOW

TOTAL LENGTH SHORELINE SURVEYED: _____ m

NEAR SHORE SHEEN: ☐ BR ☐ RB ☐ SL ☒ NONE

EST. OIL CATEGORY LENGTH: W _____ m M _____ m N _____ m VL _____ m NO _____ m US _____ m

L O C	SURFACE OIL CHARACTER										SURFACE SEDIMENT TYPE	SHORE SLOPE VHML	AREA		ZONE				NOTES
	AP	MS	TB	SOF	CV	CT	ST	FL	DB	NO			WIDTH m	LENGTH m	S	UI	MI	LI	
A		P									boulder	VH	0.5	1	X				20% PU moss on bd.
B				P							pcg	L	0.5	5		X			heavy (most PU) site 3
C		P									rock	H	2	3	X				in moss on bedrock site 4
D	S										pg	M	10	30	X				PU " "
E	S										g (neg)	M	2	10	X				" "
F	S										pg	L	2	15		X			broken up " "
G		T									B	H	3	10	X	X			in rock crevices " "
H					T	T					BC	H	1	10	X	X			" " site 1
J				T							pg	L	1	20	X				PU site 1
K	T				T						pcg	M	1	15	X	X			site 1
L					S						b rock	M	0.1	0.1	X	X			SITE 2 site 2
M					S						b rock	M	0.5	1		X			" "
N	P												1	2		X			PU (at) " "
O	S			SH							pg	M	0.5	20		X			Broken up " "
P	B			BH							pgc	L	0.1	0.1			X		Broken up " "
Q											rock	HV	0.5	0.5		X			" "

DISTRIBUTION: C = 91-100%; B = 51-90%; P = 11-50%; S = 1-10%; T = <1%

SLOPE: V = VERTICAL; H = HIGH ANGLE; M = MEDIUM ANGLE; L = LOW ANGLE PHOTO ROLL # MAYSAP- _____ FRAMES _____

PIT NO.	PIT DEPTH (cm)	SUBSURFACE OIL CHARACTER								OILED ZONE	CLEAN BELOW	H2O LEVEL	SHEEN COLOR	PIT ZONE				SURFACE- SUBSURFACE SEDIMENTS	NOTES
		OP	HOR	MOR	LOR	OF	TR	NO	cm-cm					S	UI	MI	LI		
1	20							X	—	Y	10	N			X			gc/g	site 3
2	25							X	—	Y	—	N			X			pg/sg	" "
3	25							X	—	Y	—	N		X				gp/gs	site 4
4	30							X	—	Y	—	N			X			pc/gp	" "
5	20							X	—	Y	—	N			X			p/gsp	" "
6	15							X	—	Y	—	N			X			gp/gp	site 1
7	25							X	—	Y	—	N		X				gp-gs	" "
8	25							X	—	Y	—	N			X			p-gp	" "
9	30							X	—	Y	—	N		X				pg-gp	" "

SHEEN COLOR: B = BROWN; R = RAINBOW; S = SILVER; N = NONE

OG COMMENTS:

Surface oil was found in very sporadic patches, usually in the MITZ and occasionally in the SUTZ, however, much was picked up or broken up in situ, leaving (L) SOR at most. No oiled sediments were found in the MITZ which were not treated. By wading and pulling LITZ sediments underwater, it is unlikely that oil is present there because no oil sheens were seen.

No subsurface oil was observed in a total of eleven pits.

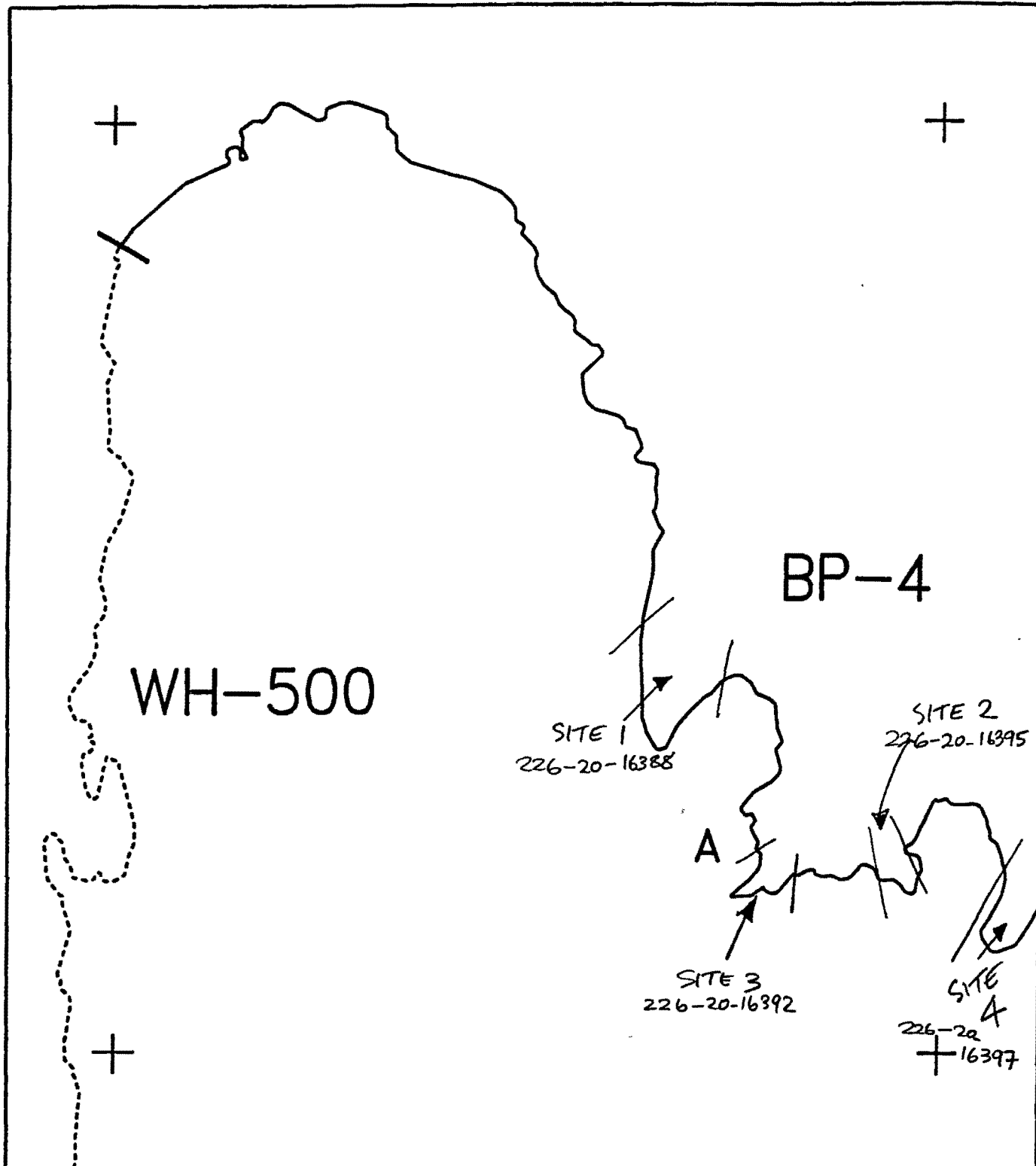
PAGE 2 OF 2

DATE 05 / 05 / 91

SHEEN COLOR: B = BROWN: R = RAINBOW: S = SILVER: N = NONE

OG COMMENTS:

①	20	N	Y	N gc/g 10	Mirz
②	25	N	Y	N .pg/sy	- Mirz
③	25	N	Y	N gp/gs	- Mirz
④	30	N	Y	N p/gp	- Mirz
⑤	20	N	Y	N p-gp	- Mirz



WH-500

BP-4

SITE 1
226-20-16388

SITE 2
226-20-16395

SITE 3
226-20-16392

SITE 4
226-20-16397

A

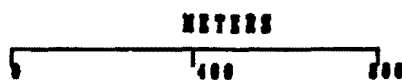
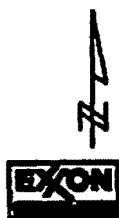
BP004 A

Subdivision Field Map

Map Key: PVSBP004Aa

Name: DAVID LITTLE

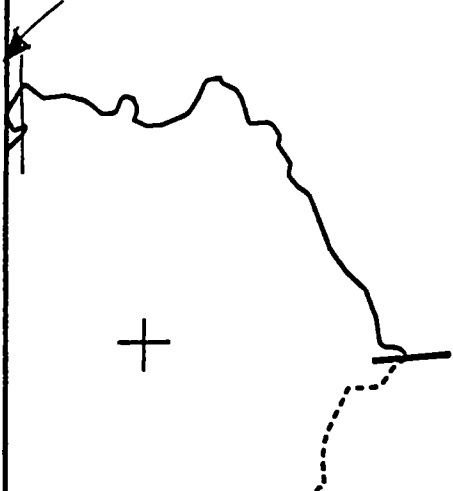
Date: 05/05/91



AK State Plane Zone 4
ppp004a

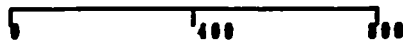


PART of site 4



BP004 A

METERS



AK State Planning Zone 4
BP004A

Subdivision Field Map

Map Key: PWSBP004Aa

Name: DAVID LITTLE

Date: 05/05/91

MAYSAP BIOLOGICAL SUMMARY FORM

TEAM # 6

DATE 5/5/91

SEGMENT # BP-004

TIDAL HEIGHT(Range) +4 to +5½ ft

SUBDIVISION A (Site 4)

BIOLOGIST T.A. Schroeder

SEA STATE calm

WIND SPEED/DIRECTION calm

PHOTOGRAPHS: ROLL #

FRAME #

COMMENTS/OBSERVATIONS (to be completed in oiled subdivisions only):

Tide level was quite high which prevented observation of LITZ. Only two small patches of foam were observed. Fucus, mussels and barnacles were present on large rocks but were scarce in MITZ.

Most oil observed was either picked up or broken up.

WILDLIFE OBSERVATIONS

TO BE COMPLETED IN ALL SUBDIVISIONS

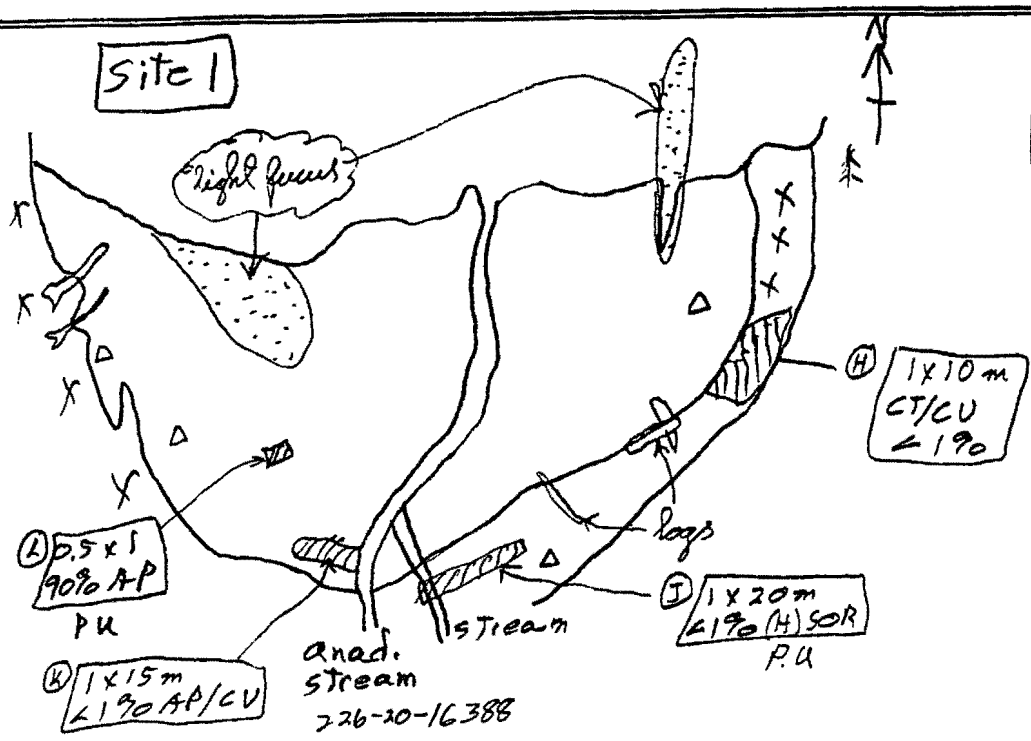
BIRDS	# OF SPECIES	TOTAL BIRDS	FISH OBSERVED SPECIES PRESENT
Eagles			
Seabirds			
Waterfowl	1	1 goldeneye	
Gulls/Kittiwakes			
Shorebirds			
Corvids	1	1 raven	
Other Birds			

MARINE MAMMALS	# OBSERVED	LAND MAMMALS SPECIES	# OBSERVED
Sea Otters		1 Deer	
Pinnipeds(specify)			
Whales(specify)			

Shoreline subdivision map showing important biological features attached.

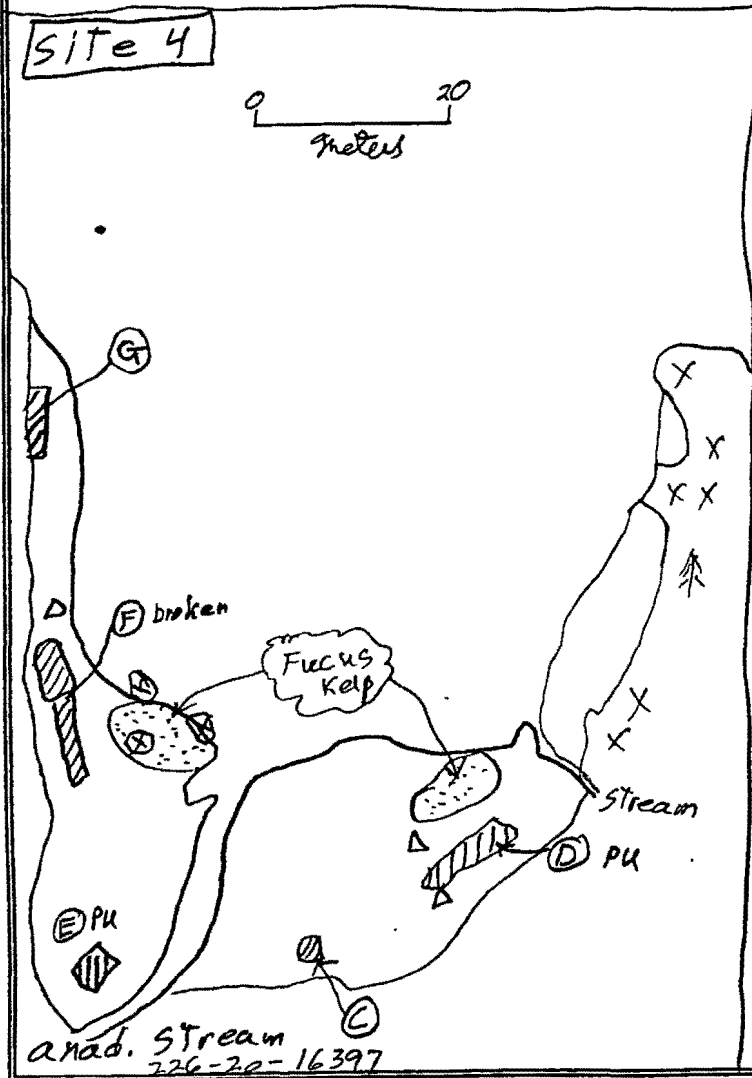
BP-004-A 5/5/91
 Bio. Map T.R. Schroeder
 1430-1630

Site 1



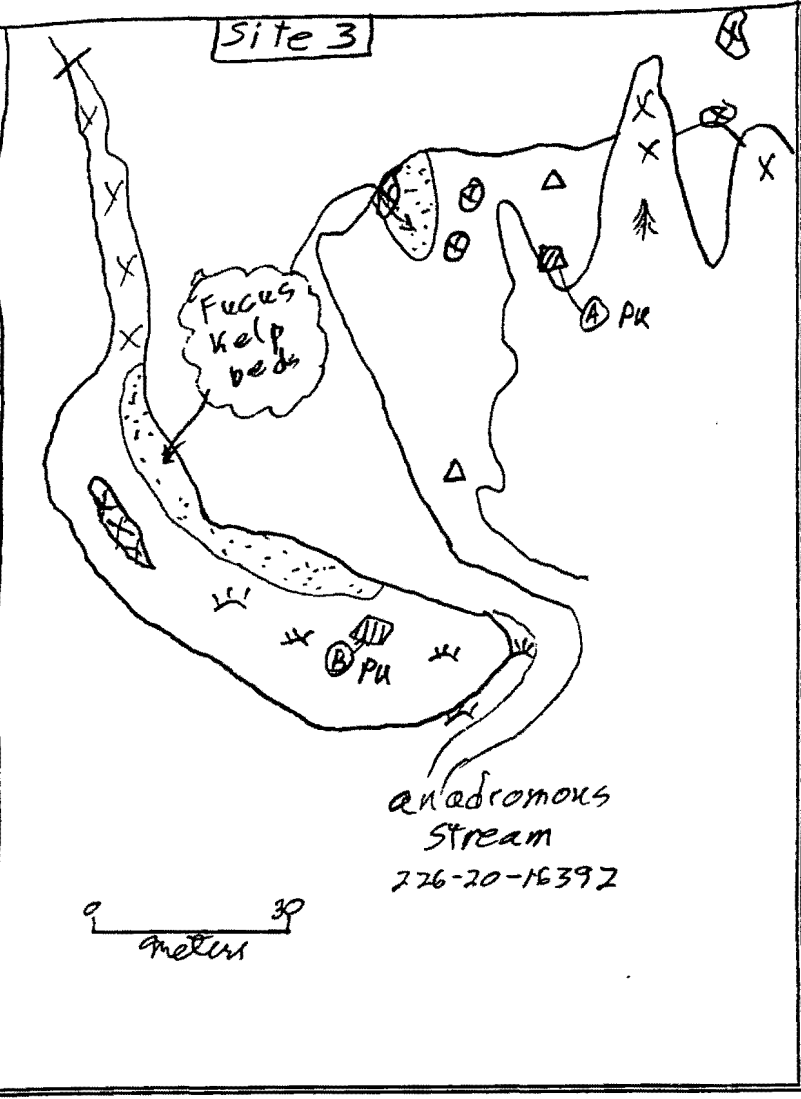
0 25
 meters

Site 4

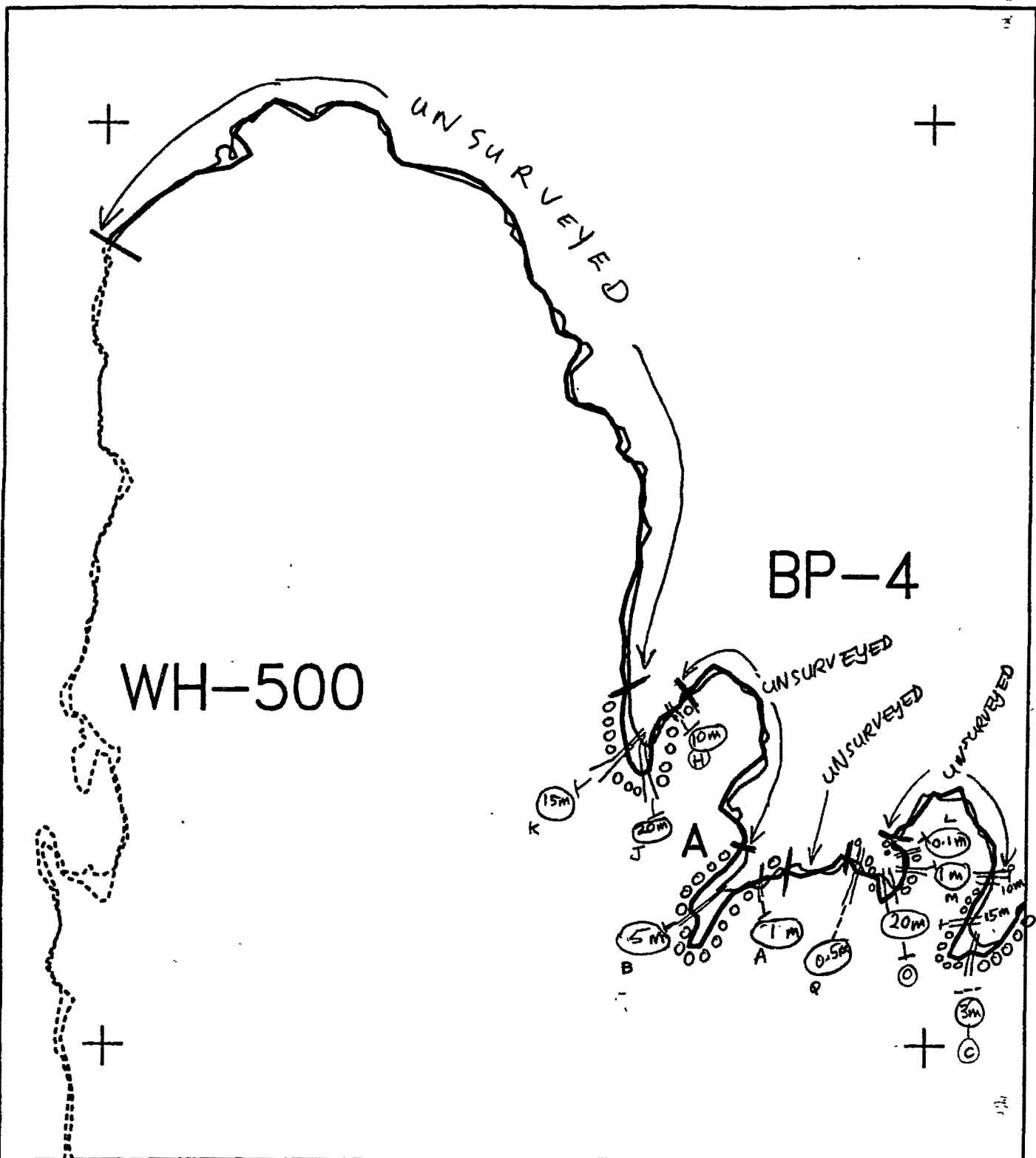


0 20
 meters

Site 3

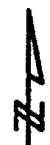


0 30
 meters



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

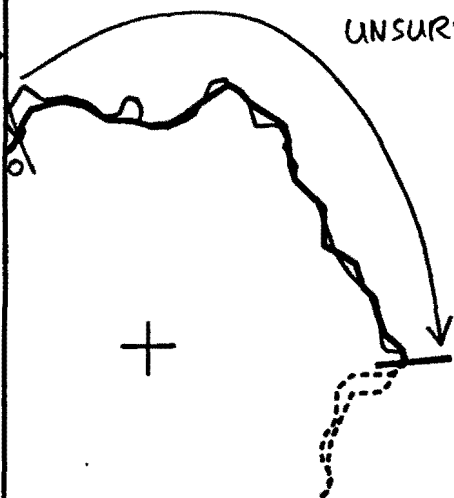
BP004 A
 ADEC Subsegment Length: 8287m
 METERS
 0 400 800
 AK State Plane Zone 4
 psp004aa



Subdivision Field Map
 Map Key: PWSBP004Aa
 Name: DAVID LITTLE
 Date: 05/05/91
 Date Entered:



UNSURVEYED



XXXX
////

TTTT
0000

Wide
Medium
Narrow
Very Light
No Oil

BP004 A

ADEC Subsegment Length: 8287m

METERS

0 400 800

AK State Plane Zone 4
ph004ab



Subdivision Field Map

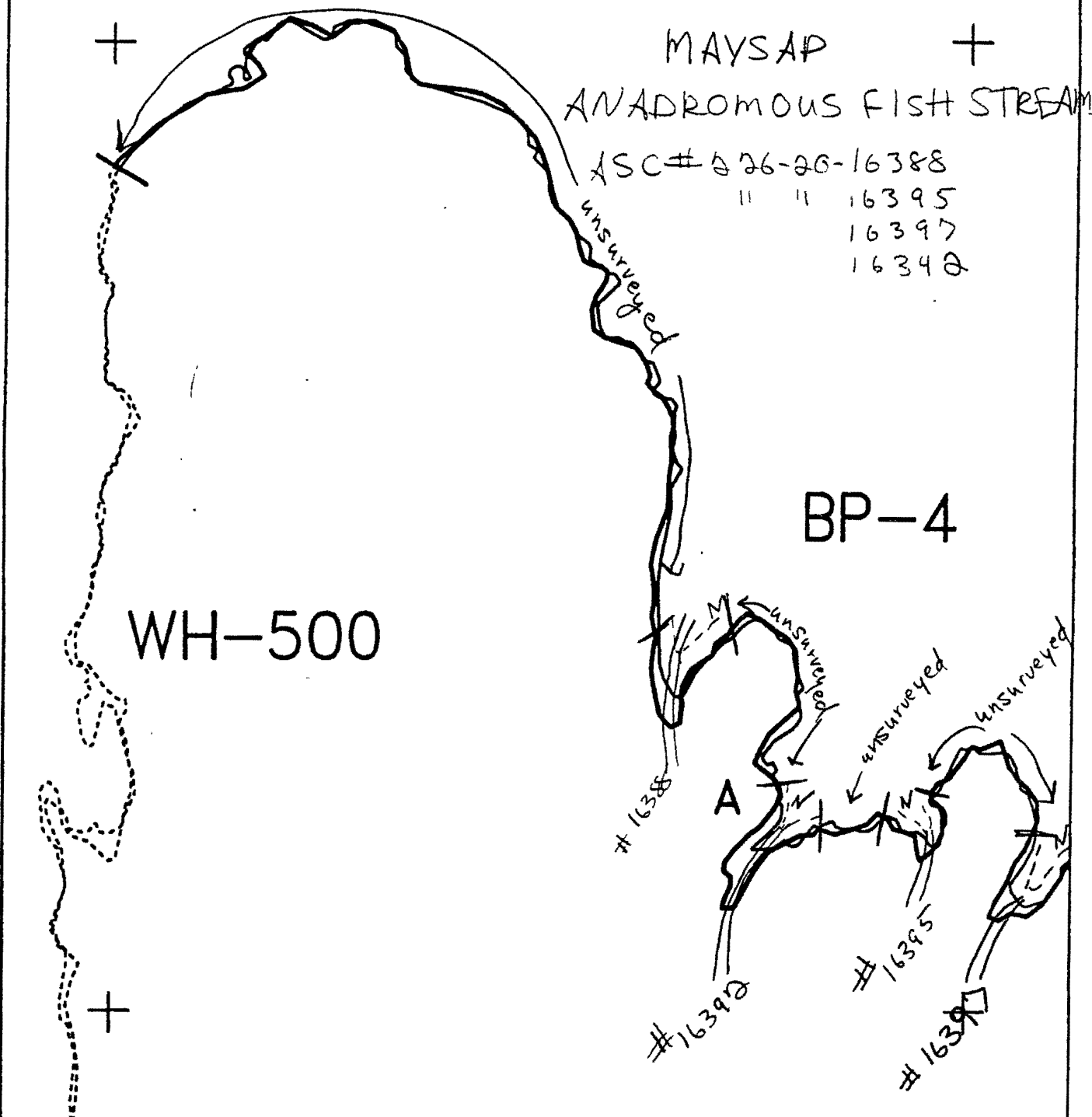
Map Key: PWSBP004Ab

Name: DAVID LITTLE

Date: 05/05/91

Date Entered:

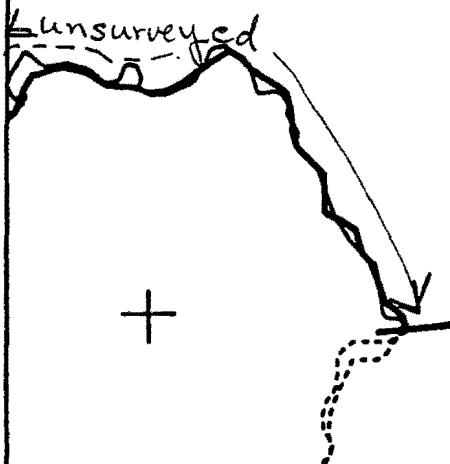
ADEC comments cont...



XXXX	Wide	BP004 A ADEC Subsegment Length: 8287m METERS 5 100 200 AK State Plane Zone 4 ph00400	Subdivision Field Map
////	Medium		Map Key: PWSBP004Aa
----	Narrow		Name: <u>A. Weseman</u>
TTTT	Very Light		Date: <u>5/5/91</u>
0000	No Oil		Date Entered:

ADEC Comments cont...

MAYSAP



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

BP004 A

ADEC Subsegment Length: 8287m
METERS

AK State Plane Zone 4
p0p004ab



Subdivision Field Map

Map Key: PWSBP004Ab

Name: A. Weseman

Date: 5/5/91

Date Entered:

5/13/91 Discrep. comments h

BP004 226 20 16397

(OG = site 4)

Review

HAB

OG

Site 1 (bank, w. D+E at endpts.)
300 x 3
10HSUR
15%

D and F? (2 discrete sites)
2 x 10, 2 x 10
AP,
10%, 2%

Site 2
20 x 20 m
10%

Site E
2 x 10 m
5%

- 1) SURVEY TYPE: BS SS 2) REGION: PWS KP, CI K, AP
- 3) METHOD: Aerial Ground Boat
- 4) DATE: 7/30/91 16) HIGH TIDE TIME: _____ 22) TEAM RECORDER: M. Fink
- 5) START TIME: 2:18 17) HIGH TIDE HTS: _____ 23) OBSERVERS: Kuwada, Middleton, Weseman
- 6) STOP TIME: 3:06 18) LOW TIDE TIMES: _____ 24) AGENCY: FAG
- 7) SEGMENT #: BR-004A 19) LOW TIDE HTS: _____ 25) PHOTOS TAKEN: Y N
- 8) K-UNIT: _____ 20) TIDE HT AT SURVEY: +7-+9 ft ROLL #: _____ FRAMES: _____
- 9) LAT: _____ Ebb Slack Flood Slack 26) VIDEO TAKEN: Y N
- 10) LONG: _____ 21) USCG QUAD: _____ TAPE #: _____
- 11) ASC #: 226-20-16397 START: _____ STOP: _____
- 12) STREAM NAME: _____ 27) SAMPLES TAKEN? Y N
- 13) LOCATION: West of Point Countess on mainland SAMPLE I.D. _____
- 14) WAVE EXPOSURE: High Moderate Low
- 15) SHORELINE TYPE: Headland Low-lying Rocks Beach
- Cove Lagoon Marsh

28) EXTENT OF OIL

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1 C	2	1	2	-	-	-	AP
SITE 2 D	21	2	42	2	-	-	AP
SITE 3 E	5	1	5	5	-	-	AP
SITE 4 F	40	2	80	10	-	-	AP/H50R
SITE 5							

- 29) OVERALL OIL IMPACT:
- H = >6m band with $\geq 50\%$ oil coverage
- M = >6m band with $\leq 50\%$ oil coverage or $\geq 3m$ to $\leq 6m$ with $\geq 10\%$ oil coverage
- L = <3m band with $> 10\%$ oil coverage
- VL = $\leq 10\%$ oil coverage regardless of band width
- N = No oil observed
- 30) OIL IN STREAMBED: Y N
- 31) OIL ON BEACH ADJACENT TO MOUTH: Y N
- 32) SUBSTRATE TYPE (PERCENT):
- Bedrock ☒ Boulder ☐ Gravel ☒ Sand ☐ Cobble ☒ Mud/Silt ☒
- 33) ANADROMOUS FISH PRESENT: ^{Observed} Y N
- 34) WILDLIFE OBSERVATION
- Species PINK SALMON Number _____
- _____
- _____
- _____
- 35) COMMENTS: Pinks observed off the mouth. Picked up sediments in areas cap. Partially filled area F, where Anitisor was located. More undoubtedly is located under the Eugene wash line.
- No reassessment recommended in 1992.
- * Survey focused on documented oiling treated in 1991.

PAGE 1 OF 3

Team Recorder: FINK

Observers: Weseman Middleton

SEGMENT BP004

SUBDIVISION A

DATE 7 1 30 191

TIME 1:47 to 2:06
2:18 to 3:06

TIDE LEVEL + 6 ft. to + 10 ft.

ENERGY LEVEL: ☐ H ☐ M ☒ L

SURVEYED FROM: ☒ FOOT ☐ BOAT ☐ HELO

WEATHER: ☐ SUN ☒ CLOUDS ☐ FOG ☐ RAIN ☐ SNOW

TOTAL LENGTH SHORELINE SURVEYED: _____ m

NEAR SHORE SHEEN: ☐ BR ☐ RB ☐ SL ☒ NONE

EST. OIL CATEGORY LENGTH: W_____m M_____m N_____m VL_____m NO_____m US_____m

[illegible]

DISTRIBUTION: C = 91-100%; B = 81-90%; P = 11-50%; S = 1-10%; T = <1%

SLOPE: V = VERTICAL; H = HIGH ANGLE; M = MEDIUM ANGLE; L = LOW ANGLE PHOTO ROLL # _____ - _____ - _____ FRAMES

[illegible]

SHEEN COLOR: B = BROWN; R = RAINBOW; S = SILVER; N = NONE

OG COMMENTS:

LOG COMMENTS: 226-20-16395 → A good job on the treatment! 226-20-16345 looks good.

No pink observed. Remained one geology of tilted sediments.

226-20 16397 → Pink observed. Tilled AP/HsR where located. More, undoubtedly
under Ficus wash line. No reassessment recommended in 1992.

226-20-163308 → Tide too high to survey.
~200 pinker seen near the mouth

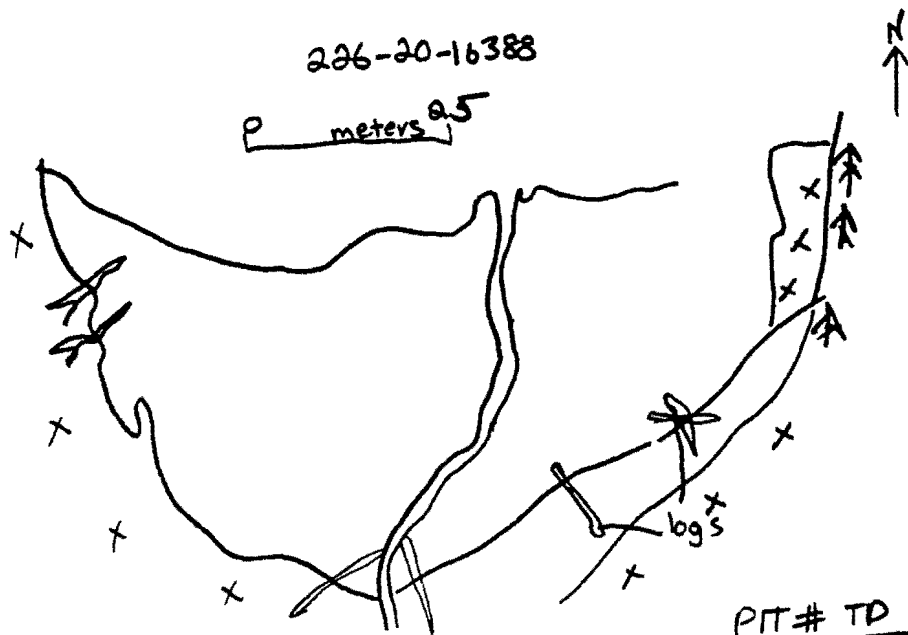
Not
Recommended
for
reassignment
in
1991.

↓ system focused on documented sibling treated in 1991.

1991 Post-Treatment
Assessment

226-20-16388

0 meters 25



ANAD FISH
STREAM

BP-004-A

7/30/91

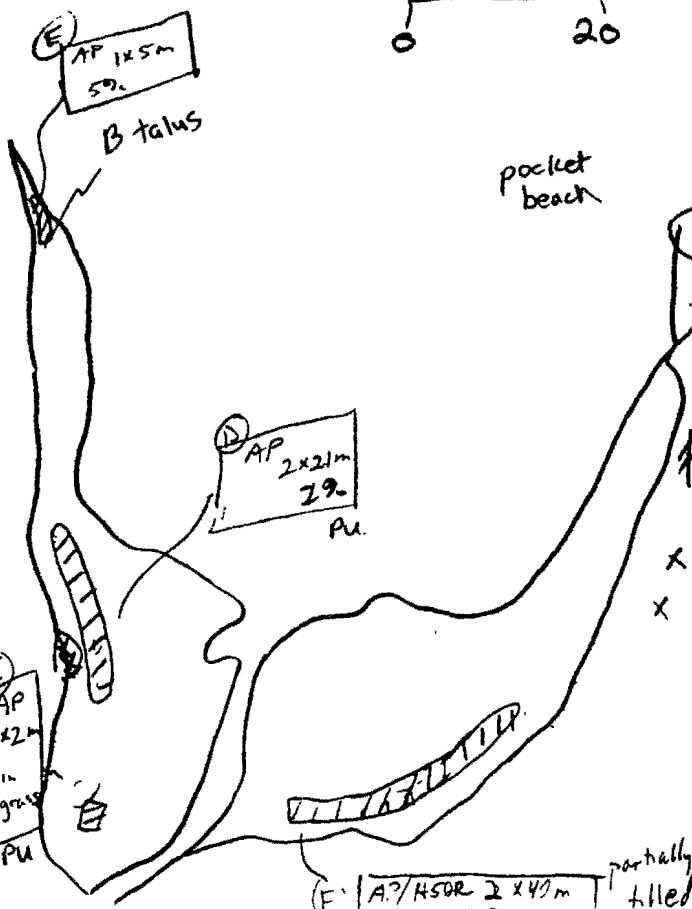
2:18-3:40 pm

FINK, ADF46

PIT # TD OIL clean below sheen sed W/T zone

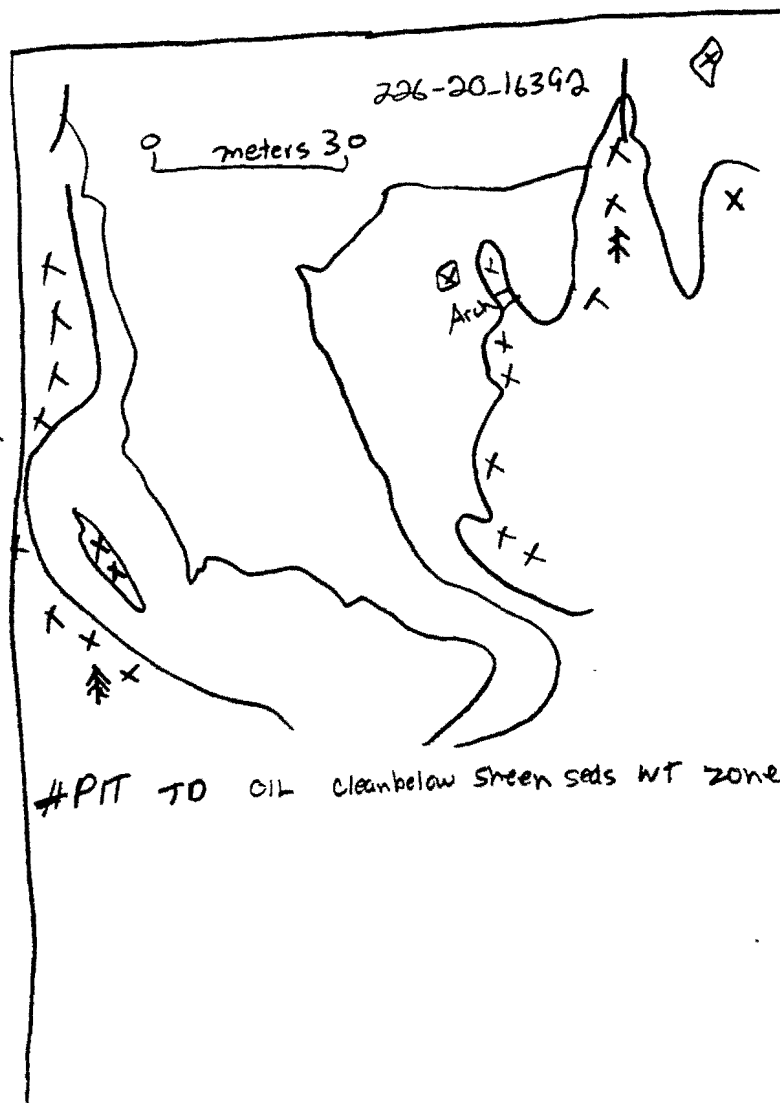
226-20-16397

0 20



226-20-16392

0 meters 30



#PIT TO OIL clean below sheen sed W/T zone

ADF&G MULTI-ASSESSMENT FORM
1991 GENERAL ENTRY CHECKLIST

STREAM#: 2262016397
SEGMENT: BP004

PAGE 6

DATE PRINTED: 08/26/91

LOCATION: MAINLAND, BAINBRIDGE PASSAGE, POINT COUNTESS

SURVEY TYPE: 91 POST TREATMENT - SS

METHOD: GROUND

DATE: 07/30/91

TEAM RECORDER: FINK

START TIME: 1418

OBSERVERS: KUWADA MIDDLETON WESEMAN

END TIME: 1506

TIDES: ~~*7-9~~ FLOOD 7 to 9
OG/HAB DISCREPANCIES: -

AGENCY: FG

PHOTOS TAKEN: N

STATION: 2262016397

ROLL#: -0-

FRAME: -0-

VIDEO TAKEN: N

TAPE#: -0-

START: -0-

END: -0-

SAMPLES TAKEN: N

SAMPLE NUMBERS: -0-

-0-

-0-

-0-

-0-

-0-

OIL IN STREAM BED: N

OVERALL OIL IMPACT: -0-

OIL ON BEACH BY MOUTH: Y

WAVE EXPOSURE: LOW

SHORELINE TYPE: BEACH COVE

SUBSTRATE TYPE: BEDROCK Y

BOULDER -0-

COBBLE Y

VEGETAT -0-

GRAVEL Y

SAND -0-

MUD/SILT -0-

GRANULE -0-

ANADROMOUS FISH PRESENT: Y

SPECIES: PINK SALMON

COUNT: -0-

-0-

-0-

-0-

-0-

-0-

-0-

-0-

-0-

ADF&G MULTI-ASSESSMENT FORM
1991 OILING ENTRY CHECKLIST

PAGE 8

DATE PRINTED: 08/26/91

STREAM# : 2262016397
SEGMENT#: BP004

SURVEY TYPE : 91 POST TREATMENT - SS LOCATION: MAINLAND, BAINBRIDGE
DATE: 07/30/91 PASSAGE, POINT COUNTESS
TIMES: 1418 - 1506 TEAM RECORDER: FINK

-- OILING EXTENT --

SITE#	SITE TYPE	DEPTH (cm)	LENGTH (m)	WIDTH (m)	AREA (m)	%	THICK (cm)	PEN (cm)	OIL TYPE CODES
C	SURF	-0-	2	1	2	-0-	-0-	-0-	AP
D	SURF	-0-	21	2	42	2	-0-	-0-	AP
E	SURF	-0-	5	1	5	5	-0-	-0-	AP
F	SURF	-0-	40	2	80	10	-0-	-0-	AP HSOR

ADF&G MULTI-ASSESSMENT FORM
1991 OILING ENTRY CHECKLIST

PAGE 9

DATE PRINTED: 08/26/91

COMMENTS:

PINKS OBSERVED OFF THE MOUTH. PICKED UP SEDIMENTS IN AREAS C AND D.
PARTIALLY TILLED AREA F, WHERE AP/HSOR. MORE UNDOUBTEDLY IS LOCATED UNDER
THE FUCUS WASH LINE. NO REASSESSMENT RECOMMENDED IN 1992. *SURVEY FOCUSED
ON DOCUMENTED OILING TREATED IN 1991.

ADF&G OIL SPILL RESPONSE MONITORING

ASC# 226-20-16397

Date: 7/12/91

Stream Name: _____

Observer: Doug Hill

Segment-Sub Unit BP-04A-Site #4 (MAYSAP)

Location: Bainbridge Peninsula-North End

Anad. Stream Permit Issued? Y ☒ N

Date: _____

Work Order Issued: ☒ N

Date: 7/2/91

Demob Date: _____

Oil Characteristics (circle appropriate ones)

Surface: ☒ AP, ☒ MS, TB, SOR, CV, CT, ST, FL, DB, None
Subsurface: OP, HOR, MOR, LOR, OF, TR, None

Treatment Techniques:

☒ Manual Removal
Manual Raking
Spot Wash
Other

Bioremediation & Type
Mechanical Tilling
Header Flood (Hot/Cold)

Crew Size: 4 + 1 ADF&G

Lbs. or Bags of Oil/Sediment Removed 2/100 pds / 7 SACKS

Other Agency Reps. and Names: Peter Montesano (ADEL)
Terry Schultz (USCG)

<u>Photos</u>	Y ☒ N	<u>Roll #</u>	<u>Frames</u>
		_____	_____
		_____	_____

<u>Video</u>	<u>Tape #</u>	<u>Start</u>	<u>End</u>
	_____	_____	_____
	_____	_____	_____

Sediment/Oil Samples (Y ☒ N) Collection Number

Purpose of Trip * M/V Don Bollinger Bioremediation crew on site
Cleanup monitoring.

* Form designed primarily for cleanup inspection trips, but should be used for any field trips, i.e., to check on bird rookeries, seal haulouts, special habitat areas, etc.

Describe extent of remaining oil (any comments on expected completion of cleanup).

(Light Scattering of TB + AP, some SOR/light AP remains in close proximity to stream ~~at junction of stream channels~~ (UMITZ + VITZ).

whatever
was
missed
by this
pickup -
beneath
vegetation

Area ^{near} in vicinity of stream channel should be surveyed in future. Scattered AP located which was not on MARSAN map (west shore - VITZ)

Comments: (Are work order procedures being followed?, etc.)

AP/SOR removed from MITZ/VITZ in vicinity of stream on east shore. AP/SOR found amongst Plantago, Silverweed and grass.

No significant oil found at location E + C (probably removed by Amiga crew with ADEC Dale Gardner

A:OPRESP
April 2, 1991



ADF&G OIL SPILL RESPONSE MONITORING

ASC# 226-20-16397

Date: 7/12/91

Stream Name: _____

Observer: Doug Hill

Segment-Sub Unit BP-04A-Site #4 (MAYSAP)

Location: Bainbridge Peninsula-North End

Anad. Stream Permit Issued? Y ☒ N

Date: _____

Work Order Issued: ☒ N

Date: 7/2/91

Demob Date: _____

Oil Characteristics (circle appropriate ones)

Surface: ☒ AP, ☒ MS, TB, SOR, CV, CT, ST, FL, DB, None
Subsurface: OP, HOR, MOR, LOR, OF, TR, None

Treatment Techniques:

☒ Manual Removal
☐ Manual Raking
☐ Spot Wash
☐ Other

Bioremediation & Type
Mechanical Tilling
Header Flood (Hot/Cold)

Crew Size: 4 + 1 ADF&G

Lbs. or Bags of Oil/Sediment Removed ~100 pds / 7 SACKS

Other Agency Reps. and Names: Peter Montesano (ADEL)
Jerry Schultz (USCG)

Photos

Y ☒ N

Roll #

Frames

Video

Tape #

Start

End

Sediment/Oil Samples (Y ☒ N) Collection Number

Purpose of Trip * M/V Don Bollinger Bioremediation Crew on Site

* Form designed primarily for cleanup inspection trips, but should be used for any field trips, i.e., to check on bird rookeries, seal haulouts, special habitat areas, etc.

Describe extent of remaining oil (any comments on expected completion of cleanup).

Whatever was missed by this pickup - nearby vegetation

(Light Scattering of TB & AP, some SOR light AP remains in close proximity to stream.)
~~open area of stream channel~~ (UMITZ & VITZ).
Area in vicinity of stream channel should be surveyed in future. Scattered AP located which was not on MAYSAN map (west shore - VITZ)

Comments: (Are work order procedures being followed?, etc.)

AP/SOR removed from MITZ/VITZ in vicinity of stream on east shore. AP/SOR found amongst Plantago, Silverweed and grass.

No significant oil found at location E & C (probably removed by Aviacon crews with ADEC Dale Gardner

A:OPRESP
April 2, 1991

EXXON Valdez Oilspill Cleanup

Anadromous Fish Stream Authorization

Date July 5 1991

EXXON Authorized Representative Jon Grunecki

Shoreline Segment BP004 A

Anadromous Fish Stream Number(s) 226-20-16397

Approved Cleanup Techniques Manual removal of oiled
sediments, mechanical tilling with tide & recovery of
oil

Approved Cleanup Period May 15 - July 10 1991
If extension is needed, it can be issued with ADFG authorization

Alaska Department of Fish and Game

Aimee Weseman
Authorized Officer

Jon Grunecki
Permittee's Signature

SEGMENT: BP 04 SUB: A REGION: PWS SURVEY DATE: ADEC SURVEY 6/13ENVIRONMENTAL SENSITIVITIES:

Work Window(s) _____

Ecological/Constraints (see page two for details) _____

ARCHAEOLOGICAL CONSTRAINTS:

Consultation and inspection with an Exxon archaeologist is required prior to treatment. Specific on-site monitoring requirements will be determined at that time. PHONE 564-3276; 564-3657; (Anchorage) or 229-1514 (24 hrs.).

Timothy A. Smith for SHAD July 2, 1991

<u>RECOMMENDATIONS:</u>	<u>INITIAL</u>	<u>TAG</u>	<u>FOSC</u>
TREATMENT REQUIRED (Y or N)	_____	<u>Y</u>	_____
Manual Pickup (Check as Req.)	_____	<u>X</u>	_____
Spot Washing	_____	_____	_____
Bio-Customblen Only	_____	_____	_____
Bio-Inipol/Customblen	_____	<u>X</u>	_____
Other <u>MECHANICAL TILL</u>	_____	<u>X</u>	_____
Other _____	_____	_____	_____

COMMENTS:

INITIAL: _____

TAG: MANUAL PICKUP OF AP AT LOCATION B FOLLOWED BY MECHANICAL TILLING WITH THE RISING TIDE USE SARES TO RECOVER MOBILIZED OIL FOLLOWED BY BIO.
LOCATIONS E + I - MANUAL PICKUP OF AP ALSO LOCATIONS D + C.

FOSC: _____ RTAG APPROVAL DATE: July 2 1991 FOSC APPROVAL DATE: _____ADEC John Bauer FOSC _____EXXON PaulUSCG T.M. MungroNOAA Long

MAYSAP FIELD SHORELINE COMMENT SHEET

TEAM NO. 6 SEGMENT BP 004 SUBDIVISION A DATE 5/5/91

ADEC/ADF46

NAME Aimee Weseman

SIGNATURE Aimee Weseman

☐ NTR ☒ Treatment Recommended. 4 Anad fish streams Resource Uses - Commercial Fishing & Recreation.
Survey was rushed due to incoming tide & full extent of oiling may not have been documented.

ASC# 226-20-16395-site 4 = This beach stream area still contains AP/Hsor deposits which should be manually removed & tilled. Areas of concern are in the vicinity of sites C, D, E & F. Some PU occurred but not enough.

ASC# 226-20-16395-site 2 = due to short survey & injury, ADF46 monitor unable to determine extent of oiling & how much was removed. A quick inspection of area with removal of AP sediments & or tilling is in order.

EXXON

NAME Scott A. Nauman

SIGNATURE Scott A. Nauman

☒ NTR

All four streams on this subdivision were surveyed. No subsurface oil was found. AP/SOR was either picked up or broken up by the survey team. This subdivision and the four streams are in very good shape - no further work is warranted.

LANDMANAGER

NAME _____

OF _____

SIGNATURE _____

☐ NTR

USCG/NOAA

NAME CWO SPURR / R. Hoff

SIGNATURE R. Hoff / Rebecca Hoff

☒ NTR This segment with 4 anadromous streams had little remaining oil. Some asphalt patches were found, and these were mostly picked up or broken apart. The small areas of remaining coat or oil in crevices of boulders is largely inaccessible. The segment requires no further treatment.

TEAM NO. 6 SEGMENT BP-04 SUBDIVISION _____ DATE 5/5/91

ADEC

NAME _____ SIGNATURE _____

☐ NTR

EXXON

NAME _____ SIGNATURE _____

☐ NTR

LANDMANAGER

NAME CHARLES SELANDOFF OF Chenega Bay SIGNATURE Charles Selandoff

☐ NTR Treatment recommended

a lot of oily debris, rocks and pebbles. This area can be manually worked over with shovels, rakes and tilled by hand. Also this area is consistantly oiled in spots but with a lot of manual work this area can be greatly improved. Heavily used subsistace area.

USCG/NOAA

NAME _____ SIGNATURE _____

☐ NTR

1991 MAYSAP EVALUATION

SEGMENT: BP 004 SUB: A REGION: PWS SURVEY DATE: 5/5/91

ENVIRONMENTAL SENSITIVITIES:

Work Window(s) RESTRICTED 3/1 - 9/15

Ecological/Constraints (see page two for details) Eagle nest,
Anadromous stream

ARCHAEOLOGICAL CONSTRAINTS:

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

SHPO Signature: Rachel Dan Oren Date: 5/21/91

RECOMMENDATIONS:

	INITIAL	TAG	FOSC
TREATMENT REQUIRED (Y or N)	<u>N</u>	<u>N</u>	<u>YES</u>
Manual Pickup (Check as Req.)	<u>_____</u>	<u>_____</u>	<u>✓</u>
Spot Washing	<u>_____</u>	<u>_____</u>	<u>_____</u>
Bio-Customblen Only	<u>_____</u>	<u>_____</u>	<u>_____</u>
Bio-Inipol/Customblen	<u>_____</u>	<u>_____</u>	<u>_____</u>
Other	<u>_____</u>	<u>_____</u>	<u>_____</u>
Other	<u>_____</u>	<u>_____</u>	<u>_____</u>

COMMENTS:

INITIAL: _____

TAG: _____

FOSC: DUE TO PROXIMITY TO ANADROMOUS
FISH STREAMS - RESTRICTED SUBSISTENCE FISHING
OIL IN FORM OF ASPHALT / MOVED IN SITES 2 + 4
SHALL BE REMOVED/COLLECTED - 11

TAG APPROVAL DATE MAY 21 1991 FOSC APPROVAL DATE: 5/21/91

ADEC [Signature]

EXXON [Signature]

USCG [Signature]

NOAA [Signature]

FOSC

E. E. PAGE, CDR, USCG
CHIEF OF STAFF, FOSC

→ The state will evaluate the need
for further treatment

1991 MAYSAP EVALUATION

SEGMENT: BP 004 **SUB:** A **REGION:** PWS **SURVEY DATE:** 5/5/91

ENVIRONMENTAL SENSITIVITIES:

Work Window(s) RESTRICTED 3/1 - 9/15

Ecological/Constraints (see page two for details) Eagle nest,
Anadromous stream

ARCHAEOLOGICAL CONSTRAINTS:

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

SHPO Signature: _____ **Date:** _____

RECOMMENDATIONS:

	INITIAL	TAG	FOSC
TREATMENT REQUIRED (Y or N)	<u>N</u>	_____	_____
Manual Pickup (Check as Req.)	_____	_____	_____
Spot Washing	_____	_____	_____
Bio-Customblen Only	_____	_____	_____
Bio-Inipol/Customblen	_____	_____	_____
Other _____	_____	_____	_____
Other _____	_____	_____	_____

COMMENTS:

INITIAL: Annually remove & fill site 4, areas C, D, E, F AP/H202R

5/20 site 3, area B; site 1, area J, K; site 2 areas O, P

Man. pickup AP/H202R/MS sites 2, 3, 4

5/21 **TAG:** Site to reevaluate for reevaluation

FOSC: _____

TAG APPROVAL DATE: _____

FOSC APPROVAL DATE: _____

ADEC _____

FOSC _____

EXXON _____

USCG _____

NOAA _____

**ECOLOGICAL CONSTRAINTS
1991 FIELD ACTIVITIES**

Eagle Nest: Access restricted from 3/1 to 9/1. USF&WS authorization required. Maintain 1000' vertical and 1/4 mile horizontal buffer.

Anadromous Stream: Unlimited treatment up to stream bank between May 15 and July 10. ADF&G approval required for work after July 10. Fish Habitat Permit required for instream work. ADF&G approval required for bioremediation within 100 meters of anadromous stream after July 10.

1991 STREAM FILE LOG HABITAT

STREAM CATALOG # : 226-20-16397
STREAM NAME : Bainbridge Passage

LOCATION : P.W.S.
SEGMENT : BP-004

[illegible]