

EV-007  
IKTUA BAY

ASC 16559

ACE 1369554



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. serv.)  
\_\_\_\_ '90 ASAP Survey \_\_\_\_ ASAP Rec. \_\_\_\_ ADEC Rec. (\_\_\_\_)  
\_\_\_\_ '90 Other Documents \_\_\_\_\_



OFFICIAL PHOTOGRAPH ADF&G EXXON VALDEZ OIL SPILL

OFFICE: VALDEZ

DATE: 08/31/89

TIME: -0-

SEGMENT#: EV008

STATION#: 2264016590

LOCATION: EVANS ISLAND

REASON FOR TAKING PHOTO: AERIAL PHOTO - SAMPLE SITE. (MAP 9)

TAKEN BY: TOM CROWE

INITIALS: \_\_\_\_\_

ROLL #: 89TWC004V FRAME #: 03

EVIDENCE ID#: 10204

ACE 7237569



AJW  
Pre-ANADSCAT-90

ADF&G MULTI-ASSESSMENT DATA FORM

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

2 REGION: PWS KP, CI K, AP

METHOD: Aerial Ground Boat

3 DATE: 4/13/90

15 HIGH-TIDE TIMES: 1

21 TEAM RECORDER: TOM CROWE

4 START TIME: 0912

16 HIGH TIDE HTS: 1

22 OBSERVERS: GRAB CHANEY (KXON)

5 STOP TIME: 0920

17 LOW TIDE TIMES: 1

23 AGENCY: ADF&G -AJW

6 SEGMENT #: FV-007

18 LOW TIDE HTS: 1

24 PHOTOS TAKEN: Y R

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: IKTUA BAY

14 DESCRIPTION: \_\_\_\_\_

Oil \_\_\_\_\_  
Sediment \_\_\_\_\_  
Biological \_\_\_\_\_  
Water \_\_\_\_\_

EXTENT OF OIL

|                      | SHORELINE |   |                |   | STREAM |   |                |   |
|----------------------|-----------|---|----------------|---|--------|---|----------------|---|
|                      | L         | W | M <sup>2</sup> | % | L      | W | M <sup>2</sup> | % |
| 27 SURFACE COVERAGE  |           |   |                |   |        |   |                |   |
| 28 SURFACE THICKNESS |           |   |                |   |        |   |                |   |
| 29 PENETRATION       |           |   |                |   |        |   |                |   |

36 CATALOGED ANAD. FISH STREAM? Y N

37 CATALOG #: 286-40-16559

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 SEE QUES 39, 40, 4

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 0  
Gravel ✓ Sand \_\_\_\_\_ Mud/silt \_\_\_\_\_

43 ANADROMOUS FISH PRESENT? Y N

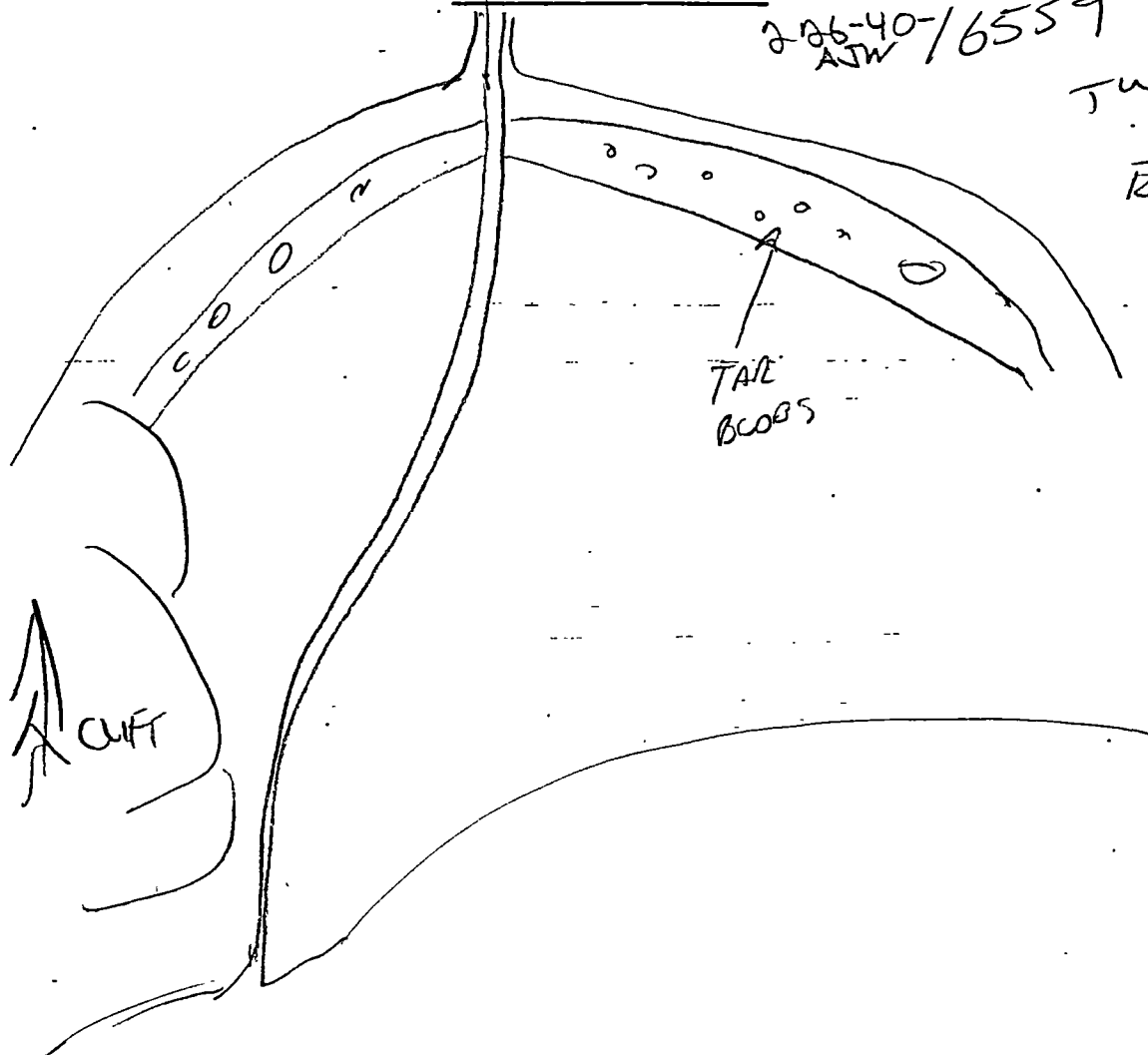
44 ANADROMOUS FISH OBSERVATION

| Species | Aerial | Ground |
|---------|--------|--------|
|         |        |        |
|         |        |        |
|         |        |        |
|         |        |        |

COMMENTS: SMALL PATCHES OF ASPHALT/TAR AT  
HIGH TIDAL BAND.

**DESCRIPTION**

M  
226-40-16559 4/13/90  
AJW  
TWC  
RY007



ACE 7237703-15

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

ASC NUMBER: 246-40-16559  
 SURVEY TYPE:  
 METHOD:  
 DATE: 4/13/90  
 START TIME:  
 STOP TIME:

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

WAVE EXPOS:

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

|        | LENGTH | WIDTH | M2 | % | THICK | PEN | OIL TYPE |
|--------|--------|-------|----|---|-------|-----|----------|
| SITE 1 |        |       |    |   |       |     | TO       |
| SITE 2 |        |       |    |   |       |     |          |
| SITE 3 |        |       |    |   |       |     |          |
| SITE 4 |        |       |    |   |       |     |          |
| SITE 5 |        |       |    |   |       |     |          |

OVERALL OIL IMPACT:

OIL IN STREAM CHANNEL?

OIL ON BEACH WITHIN 50M OF STREAM MOUTH?

| SUBSTRATE |         |
|-----------|---------|
| Bedrock   | Granule |
| Boulder   | Sand    |
| Cobble    | Silt    |
| Pebble    | Veget.  |

|         |  |  |  |  |  |
|---------|--|--|--|--|--|
| SPECIES |  |  |  |  |  |
| COUNT   |  |  |  |  |  |

COMMENTS:



ANADSCAT-90

ADF&G MULTI-ASSESSMENT DATA FORM

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

2 REGION: PWS KP,CI K,AP

METHOD: Aerial Ground Boat

3 DATE: 4/22/90 15 HIGH TIDE TIMES: 1205 1 -

21 TEAM RECORDER: M. Wiedner

4 START TIME: 1650 1900 16 HIGH TIDE HTS: 10.0' 1 -

22 OBSERVERS: T. CROWE

5 STOP TIME: 1705 1920 17 LOW TIDE TIMES: 0603 1 1814

23 AGENCY: ADF&G

6 SEGMENT #: EV-007 18 LOW TIDE HTS: 1.0' 1 0.7'

24 PHOTOS TAKEN: Y (N)

7 STATION #: 226-40-16451 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: SEWARD A3

Start: \_\_\_\_\_ End: \_\_\_\_\_

10 LAT: \_\_\_\_\_ 11 LONG: \_\_\_\_\_

26 SAMPLES TAKEN? Y (N) Number \_\_\_\_\_

12 SOURCE: Map Loran

Oil \_\_\_\_\_

13 LOCATION: 1KTUA BAY, WEST SIDE EVANS IS.

Sediment \_\_\_\_\_

14 DESCRIPTION: \_\_\_\_\_

Biological \_\_\_\_\_

Water \_\_\_\_\_

EXTENT OF OIL

|                     | SHORELINE |    |                |      | STREAM |   |                |   |
|---------------------|-----------|----|----------------|------|--------|---|----------------|---|
|                     | L         | W  | M <sup>2</sup> | %    | L      | W | M <sup>2</sup> | % |
| 27 SURFACE COVERAGE | 100       | 60 |                | 40.1 | 60     | 2 |                | 0 |

36 CATALOGED ANAD. FISH SREAM? Y (N)

37 CATALOG #: 226-40-16451

38 STREAM NAME: \_\_\_\_\_

|                      |  |  |  |  |  |  |  |  |
|----------------------|--|--|--|--|--|--|--|--|
| 28 SURFACE THICKNESS |  |  |  |  |  |  |  |  |
| 29 PENETRATION       |  |  |  |  |  |  |  |  |

39 OIL IN STREAM BED? Y (N)

40 OIL ON STREAM BANKS? Y (N)

30 OVERALL OIL IMPACT: N VL L M H

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

31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain

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

32 OILED DEBRIS? Y (N)

Where: \_\_\_\_\_

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

43 ANADROMOUS FISH PRESENT? Y (N)

34 WAVE EXPOSURE: High Moderate Low

ERY PRESUMED

44 ANADROMOUS FISH OBSERVATION  
Species Aerial Ground

35 SUBSTRATE TYPE: Bedrock 10 Boulder 20 Cobble 35  
Gravel 35 Sand \_\_\_\_\_ Mud/silt \_\_\_\_\_

|  |  |  |
|--|--|--|
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

COMMENTS: 3-4 TAR SPLATTERS WIDELY SCATTERED  
THROUGH INTERTIDAL ZONE. EXTREMELY LOW IMPACT OBSERVED.

ACE 7237688 +15

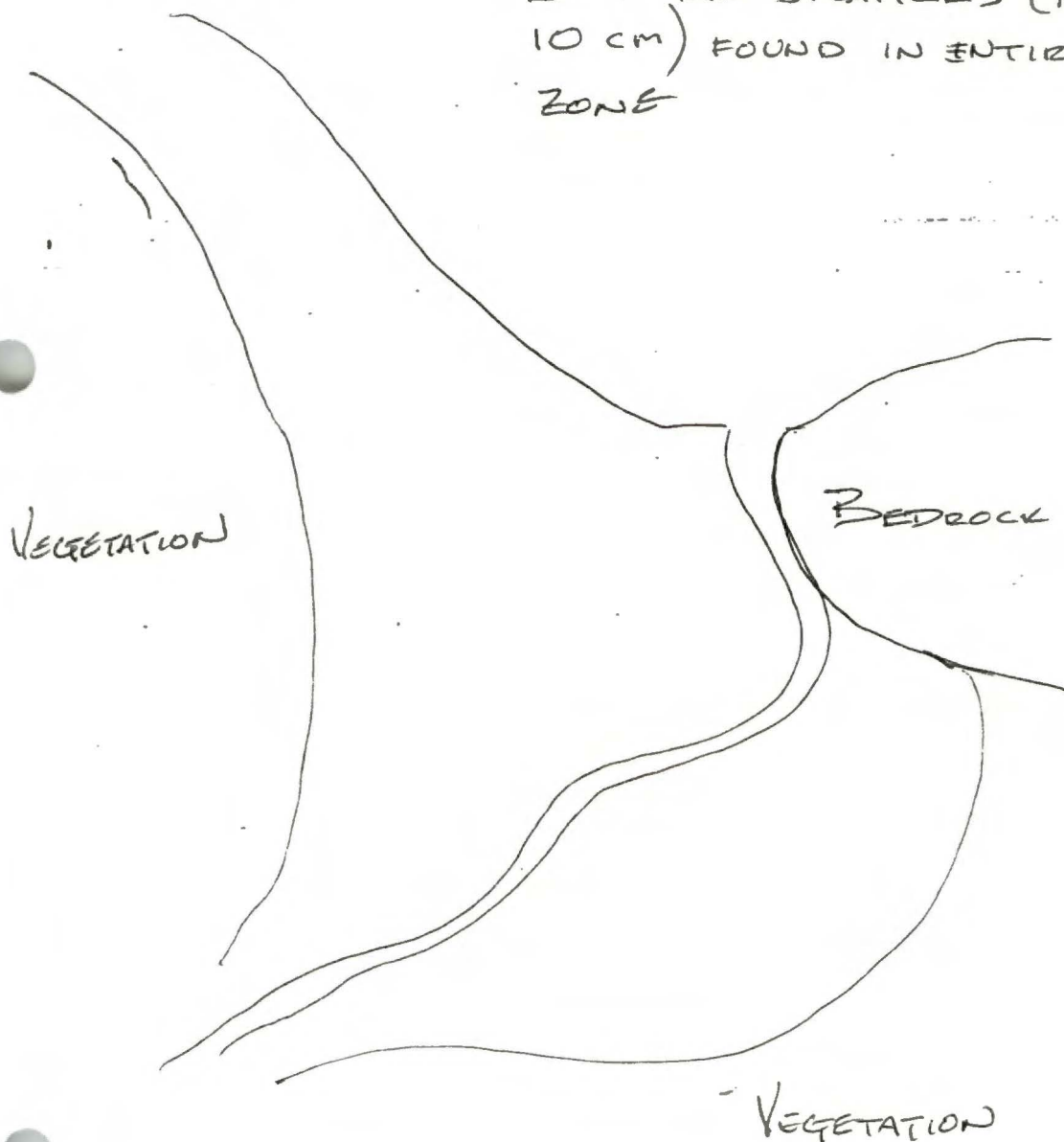
EV-007  
226-40-16451  
16559

45 PHOTOLOG

| E(S) | DESCRIPTION                                   |
|------|-----------------------------------------------|
|      | <u>RECOMMENDATIONS: NO TREATMENT REQUIRED</u> |

46 OIL DISTRIBUTION DIAGRAM

3-4 TAR SPLATTERS (MAXIMUM DIAMETER  
10 CM) FOUND IN ENTIRE INTERTIDAL  
ZONE



ASC NUMBER:

SEGMENT NUMBER:

YR CATALOGED:

LOCATION:

STREAM NAME:

KODIAK K-UNIT:

USGS QUADRANGLE:

SHORELINE TYPE:

LOCAL STREAM #:

ALL SEGMENTS:

LATITUDE:

LONGITUDE:

LEGAL: S

ASC NUMBER: 226-40-16459

SURVEY TYPE:

METHOD:

DATE: 4/22/90

START TIME:

STOP TIME:

WAVE EXPOS:

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 | WIDTH | M2 | % | THICK | PEN | OIL TYPE |
|--------|--------|-------|----|---|-------|-----|----------|
| SITE 1 |        |       |    |   |       |     | TS       |
| SITE 2 |        |       |    |   |       |     |          |
| SITE 3 |        |       |    |   |       |     |          |
| SITE 4 |        |       |    |   |       |     |          |
| SITE 5 |        |       |    |   |       |     |          |

OVERALL OIL IMPACT:

OIL IN STREAM CHANNEL?

OIL ON BEACH WITHIN 50M OF STREAM MOUTH?

SUBSTRATE

Bedrock

Granule

Boulder

Sand

Cobble

Silt

Pebble

Veget.

SPECIES

COUNT

COMMENTS:

CATALOG NUMBER: 2264016559  
 STREAM NAME:  
 LOCATION: EVANS ISLAND, IKTUA BAY

SEGMENT NUMBER: EV007  
 SHORELINE TYPE:  
 DATE: 04/13/90 TIME: COVE -0920

| SITE | WIDTH<br>(m) | LENGTH<br>(m) | AREA<br>(sqm) | PERCENT<br>OIL | THICKNESS<br>(cm) | PENETRATION<br>(cm) | SURFACE<br>SUBSURF | OIL TYPES | COMMENTS                    |
|------|--------------|---------------|---------------|----------------|-------------------|---------------------|--------------------|-----------|-----------------------------|
| 1    |              |               |               | 1-10           |                   |                     | SURFACE            | TB / CV   | Both sides of stream - IITZ |

## COMMENTS:

SMALL PATCHES OF ASPHALT/TAR AT HIGH TIDAL BAND.

STREAM BANKS: YES

MILE OF STREAM: SEE QUESTION #39, 40, 41 (REGARDING OIL IN STREAMBED, ON BANKS AND WITHIN 50M OF MOUTH) - DATA ENTRY NOTE.

OIL ON  
 OIL WITHIN 1

CATALOG NUMBER: 2264016559  
 STREAM NAME:  
 LOCATION: EVANS ISLAND, IKTUA BAY

SEGMENT NUMBER: EV007  
 SHORELINE TYPE:  
 DATE: 04/22/90 TIME: COVE -1920

| SITE | WIDTH<br>(m) | LENGTH<br>(m) | AREA<br>(sqm) | PERCENT<br>OIL | THICKNESS<br>(cm) | PENETRATION<br>(cm) | SURFACE<br>SUBSURF | OIL TYPES | COMMENTS          |
|------|--------------|---------------|---------------|----------------|-------------------|---------------------|--------------------|-----------|-------------------|
| 1    |              |               |               | 1-10           |                   |                     | SURFACE            | CV        | 3-4 Tar splatters |

## COMMENTS:

3-4 TAR SPLATTERS WIDELY SCATTERED THROUGH INTERTIDAL ZONE. EXTREMELY LOW IMPACT OBSERVED. FRY PRESUMED.

RECOMMENDATIONS: NO TREATMENT REQUIRED.

STREAM BANKS: YES

MILE OF STREAM: YES

maximum diameter 10cm

OIL ON  
 OIL WITHIN 1

| CATALOG NUMBER: 2264016559      SEGMENT#: EV007      LOCATION: EVANS ISLAND, IKTUA BAY            |                  |      |                        |                |                             |                                  |                               |
|---------------------------------------------------------------------------------------------------|------------------|------|------------------------|----------------|-----------------------------|----------------------------------|-------------------------------|
| DATE                                                                                              | SURVEY           | SITE | W x L (m)<br>SITE TYPE | PERCENT<br>OIL | THICKNESS &<br>PENETR. (cm) | OIL TYPES,<br>DEPTH INTERVAL(cm) | SITE SPECIFIC COMMENTS        |
| 04/13/90                                                                                          | PRE-ANADS<br>CAT | 1    | SURFACE                | 1-10           |                             | TB CV                            | BOTH SIDES OF STREAM IN UITZ. |
| MAD vs. OG:<br>COMMENTS:<br>SMALL PATCHES OF ASPHALT/TAR AT HIGH TIDAL BAND. OIL ON STREAM BANKS. |                  |      |                        |                |                             |                                  |                               |

| CATALOG NUMBER: 2264016559      SEGMENT#: EV007      LOCATION: EVANS ISLAND, IKTUA BAY                                  |          |      |                        |                |                             |                                  |                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------|----------|------|------------------------|----------------|-----------------------------|----------------------------------|-------------------------------------------------------------------------------------|
| DATE                                                                                                                    | SURVEY   | SITE | W x L (m)<br>SITE TYPE | PERCENT<br>OIL | THICKNESS &<br>PENETR. (cm) | OIL TYPES,<br>DEPTH INTERVAL(cm) | SITE SPECIFIC COMMENTS                                                              |
| 04/22/90                                                                                                                | ANADSCAT | 1    | SURFACE                | 1-10           |                             | CV                               | 3-4 TAR SPLATTERS, MAXIMUM DIAMETER 10CM, WIDELY SCATTERED THROUGH INTERTIDAL ZONE. |
| MAD vs. OG:<br>COMMENTS:<br>EXTREMELY LOW IMPACT OBSERVED. OIL ON STREAM BANKS. RECOMMENDATIONS: NO TREATMENT REQUIRED. |          |      |                        |                |                             |                                  |                                                                                     |

| CATALOG NUMBER: 2264016559      SEGMENT#: EV007      LOCATION: EVANS ISLAND, IKTUA BAY |                  |      |                        |                |                             |                                  |                               |
|----------------------------------------------------------------------------------------|------------------|------|------------------------|----------------|-----------------------------|----------------------------------|-------------------------------|
| DATE                                                                                   | SURVEY           | SITE | W x L (m)<br>SITE TYPE | PERCENT<br>OIL | THICKNESS &<br>PENETR. (cm) | OIL TYPES,<br>DEPTH INTERVAL(cm) | SITE SPECIFIC COMMENTS        |
| 04/22/90                                                                               | OG'S<br>ANADSCAT | 0    |                        |                |                             | NONE                             | OG RECORDS "NO OIL" FOR AREA. |
| MAD vs. OG: MAD RECORDS 3-4 SPLATTERS - OG RECORDS NO OIL.<br>COMMENTS:                |                  |      |                        |                |                             |                                  |                               |

| CATALOG NUMBER: 2264016559                                                                        |                  |      |                        |                |                             |                                  |                               | SEGMENT#: EV007 | LOCATION: EVANS ISLAND, IKTUA BAY |  | SEQ: |
|---------------------------------------------------------------------------------------------------|------------------|------|------------------------|----------------|-----------------------------|----------------------------------|-------------------------------|-----------------|-----------------------------------|--|------|
| DATE                                                                                              | SURVEY           | SITE | W x L (m)<br>SITE TYPE | PERCENT<br>OIL | THICKNESS &<br>PENETR. (cm) | OIL TYPES,<br>DEPTH INTERVAL(cm) | SITE SPECIFIC COMMENTS        |                 |                                   |  |      |
| 04/13/90                                                                                          | PRE-ANADS<br>CAT | 1    | SURFACE                | 1-10           |                             | TB CV                            | BOTH SIDES OF STREAM IN UITZ. |                 |                                   |  |      |
| MAD vs. OG:<br>COMMENTS:<br>SMALL PATCHES OF ASPHALT/TAR AT HIGH TIDAL BAND. OIL ON STREAM BANKS. |                  |      |                        |                |                             |                                  |                               |                 |                                   |  |      |

| CATALOG NUMBER: 2264016559                                                                                                                                                                     |          |      |                        |                |                             |                                  |                                                                                            | SEGMENT#: EV007 | LOCATION: EVANS ISLAND, IKTUA BAY |  | SEQ: |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|------------------------|----------------|-----------------------------|----------------------------------|--------------------------------------------------------------------------------------------|-----------------|-----------------------------------|--|------|
| DATE                                                                                                                                                                                           | SURVEY   | SITE | W x L (m)<br>SITE TYPE | PERCENT<br>OIL | THICKNESS &<br>PENETR. (cm) | OIL TYPES,<br>DEPTH INTERVAL(cm) | SITE SPECIFIC COMMENTS                                                                     |                 |                                   |  |      |
| 04/22/90                                                                                                                                                                                       | ANADSCAT | 1    | SURFACE                | 1-10           |                             | CV                               | 3-4 TAR SPLATTERS, MAXIMUM DIAMETER 10CM, <i>WIDELY SCATTERED through intertidal zone.</i> |                 |                                   |  |      |
| MAD vs. OG:<br>COMMENTS:<br><del>3-4 TAR SPLATTERS WIDELY SCATTERED THROUGH INTERTIDAL ZONE.</del> EXTREMELY LOW IMPACT OBSERVED. OIL ON STREAM BANKS. RECOMMENDATIONS: NO TREATMENT REQUIRED. |          |      |                        |                |                             |                                  |                                                                                            |                 |                                   |  |      |

| CATALOG NUMBER: 2264016559                                              |                  |      |                        |                |                             |                                  |                               | SEGMENT#: EV007 | LOCATION: EVANS ISLAND, IKTUA BAY |  | SEQ: |
|-------------------------------------------------------------------------|------------------|------|------------------------|----------------|-----------------------------|----------------------------------|-------------------------------|-----------------|-----------------------------------|--|------|
| DATE                                                                    | SURVEY           | SITE | W x L (m)<br>SITE TYPE | PERCENT<br>OIL | THICKNESS &<br>PENETR. (cm) | OIL TYPES,<br>DEPTH INTERVAL(cm) | SITE SPECIFIC COMMENTS        |                 |                                   |  |      |
| 04/22/90                                                                | OG'S<br>ANADSCAT | 0    |                        |                |                             | NONE                             | OG RECORDS "NO OIL" FOR AREA. |                 |                                   |  |      |
| MAD vs. OG: MAD RECORDS 3-4 SPLATTERS - OG RECORDS NO OIL.<br>COMMENTS: |                  |      |                        |                |                             |                                  |                               |                 |                                   |  |      |



ADF&G MULTI-ASSESSMENT DATA FORM

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

2 REGION: PWS KP, CI K, AP

METHOD: Aerial Ground Boat

3 DATE: 4/22/90 15 HIGH TIDE TIMES: 1205 1 -

21 TEAM RECORDER: M. WIEDNER

4 START TIME: 1650 1900 16 HIGH TIDE HTS: 10.0' 1 -

22 OBSERVERS: T. CROWE

5 STOP TIME: 1705 1920 17 LOW TIDE TIMES: 0603 1 1814

23 AGENCY: ADF&G

6 SEGMENT #: EV-007 18 LOW TIDE HTS: 1.0' 1 0.7'

24 PHOTOS TAKEN: Y (N)

7 STATION #: 226-40-1645 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: SEWARD A3

Start: \_\_\_\_\_ End: \_\_\_\_\_

10 LAT: \_\_\_\_\_ 11 LONG: \_\_\_\_\_

26 SAMPLES TAKEN? Y (N) Number

12 SOURCE: Map Loran

Oil \_\_\_\_\_

13 LOCATION: IKTUA BAY, WEST SIDE EVANS IS.

Sediment \_\_\_\_\_

14 DESCRIPTION: \_\_\_\_\_

Biological \_\_\_\_\_

EXTENT OF OIL

Water \_\_\_\_\_

|                     | SHORELINE |    |                |      | STREAM |   |                |   |
|---------------------|-----------|----|----------------|------|--------|---|----------------|---|
|                     | L         | W  | M <sup>2</sup> | %    | L      | W | M <sup>2</sup> | % |
| 27 SURFACE COVERAGE | 100       | 60 |                | 40.1 | 60     | 2 |                | 0 |

36 CATALOGED ANAD. FISH SREAH? (Y) N

|                      |  |  |  |  |  |  |  |  |
|----------------------|--|--|--|--|--|--|--|--|
| 28 SURFACE THICKNESS |  |  |  |  |  |  |  |  |
| 29 PENETRATION       |  |  |  |  |  |  |  |  |

37 CATALOG #: 226-40-16459

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

43 ANADROMOUS FISH PRESENT? (Y) N

34 WAVE EXPOSURE: High Moderate Low

44 ANADROMOUS FISH OBSERVATION  
Species Aerial Ground

35 SUBSTRATE TYPE: Bedrock 10 Boulder 20 Cobble 35  
Gravel 35 Sand \_\_\_\_\_ Mud/silt \_\_\_\_\_

|  |  |  |
|--|--|--|
|  |  |  |
|  |  |  |
|  |  |  |

COMMENTS: 3-4 TAR SPLATTERS WIDELY SCATTERED  
THROUGH INTERTIDAL ZONE. EXTREMELY LOW IMPACT OBSERVED.

ACE 7237688 +15

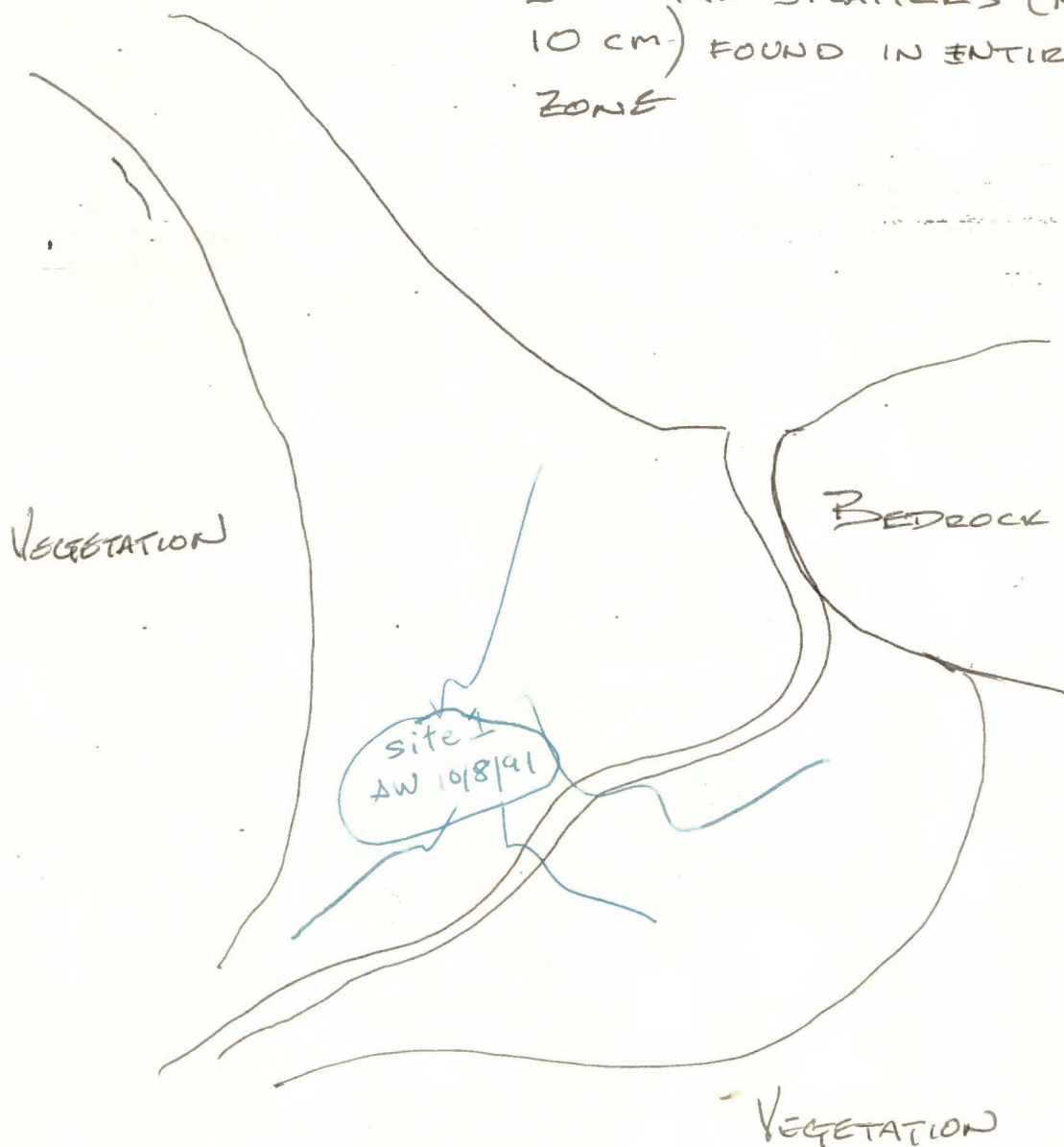
FRAME(S)

DESCRIPTION

RECOMMENDATIONS: NO TREATMENT REQUIRED

46 OIL DISTRIBUTION DIAGRAM

3-4 TAR SPLATTERS (MAXIMUM DIAMETER  
10 CM) FOUND IN ENTIRE INTERTIDAL  
ZONE



# OPERATIONS FIELD NOTES

See Back for Instructions

5/55

SEGMENT ID ANAD EV-007

STREAM ID # 226-40-16559

ANNOTATED MAP INCLUDED Y/N

DATE 4-22-90

NAME GARCIA

TEAM # 15

| SURFACE OIL   | Quantities in Meters |       |      | Treatment Recommendation |                |         |         |         |                |         |
|---------------|----------------------|-------|------|--------------------------|----------------|---------|---------|---------|----------------|---------|
|               | Length               | Width | Area | None                     | Bioremediation |         | Tilling |         | Spot Hot Water |         |
|               |                      |       |      |                          | Y/N            | % Treat | Y/N     | % Treat | Y/N            | % Treat |
| Wide Band     |                      |       |      |                          |                |         |         |         |                |         |
| Medium Band   |                      |       |      |                          |                |         |         |         |                |         |
| Narrow Band   |                      |       |      |                          |                |         |         |         |                |         |
| Very Light    |                      |       |      |                          |                |         |         |         |                |         |
| TOTAL MANDAYS |                      |       |      |                          |                | 0       |         | 0       |                | 0       |

SUBSURFACE OIL NONE

|                   |  |
|-------------------|--|
| Other (Describe)? |  |
|                   |  |
|                   |  |

| TARMATS       | Quantities in Meters |       |           | Treatment Rec |         |        | # of Bags | Mandays Required |        |
|---------------|----------------------|-------|-----------|---------------|---------|--------|-----------|------------------|--------|
|               | Length               | Width | Thick(cm) | None          | Breakup | Remove |           | Breakup          | Remove |
| Area #1       |                      |       |           |               |         |        |           |                  |        |
| Area #2       |                      |       |           |               |         |        |           |                  |        |
| Area #3       |                      |       |           |               |         |        |           |                  |        |
| Area #4       |                      |       |           |               |         |        |           |                  |        |
| Sporadic Mats |                      |       |           |               |         |        |           |                  |        |

| MANUAL PICKUP     | Type of Debris  |             |                | In Meters |       | # of Bags | Pickup Y/N | Manday Estimate |
|-------------------|-----------------|-------------|----------------|-----------|-------|-----------|------------|-----------------|
|                   | Mousse Tarballs | Oiled Veget | Cleanup Debris | Length    | Width |           |            |                 |
| "Pocket" #1       |                 |             |                |           |       |           |            |                 |
| "Pocket" #2       |                 |             |                |           |       |           |            |                 |
| "Pocket" #3       |                 |             |                |           |       |           |            |                 |
| Random/Continuous |                 |             |                |           |       |           |            |                 |

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

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

GENERAL

Snow covering 10 % of the Supratidal Zone?

Wave Exposure H/M/L Access Limitations: NONE

Snare Boom/Pom Poms Recommended? NO

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

COMMENTS:

NO TREATMENT RECOMMENDED.

ACE 7237690 +/S

6/55

FIELD SHORELINE COMMENT SHEET

SEGMENT ST 1 EV 007 SUBDIVISION: 16 55 9 DATE 4/22/90

USCG

NAME CWO McMAHON SIGNATURE [Signature]

☒ NO TREATMENT RECOMMENDED  
COMMENTS

☐ TREATMENT SUGGESTED

~~ADEC~~

ADEC

NAME Michael Wiedmer SIGNATURE [Signature]

☒ NO TREATMENT RECOMMENDED  
COMMENTS

☐ TREATMENT SUGGESTED

LAND MANAGER

NAME No team member SIGNATURE \_\_\_\_\_

☐ NO TREATMENT RECOMMENDED  
COMMENTS

☐ TREATMENT SUGGESTED

ACE 7237691

7/55

## ACF&amp;G MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: ES SS CS TS AVS SCBA MMS PTA2 REGION: PWS KP,CI K,APMETHOD: Aerial Ground Boat3 DATE: 4/22/9015 HIGH TIDE TIMES: 1205 1 -21 TEAM RECORDER: M. WIEDNER4 START TIME: 165016 HIGH TIDE HTS: 10.0' 1 -22 OBSERVERS: T. CROWE5 STOP TIME: 170517 LOW TIDE TIMES: 0603 1 181423 AGENCY: ADFG6 SEQUENCE #: EV-00718 LOW TIDE HTS: 1.0' 1 0.7'24 PHOTOS TAKEN: Y (N)7 STATION #: 226-40-1651

19 TIDE HT AT SURVEY: \_\_\_\_\_

Roll #: \_\_\_\_\_ Frame: \_\_\_\_\_

8 K-UNIT: \_\_\_\_\_

Ebb Slack Flood Slack

25 VIDEO TAKEN: Y (N) TAPES: \_\_\_\_\_

9 STAT AREA: \_\_\_\_\_

20 USCG QUAD: SEWARD A3

Start: \_\_\_\_\_ End: \_\_\_\_\_

10 LAT: \_\_\_\_\_

11 LONG: \_\_\_\_\_

26 SAMPLES TAKEN? Y (N) Number \_\_\_\_\_

12 SOURCE: Map Loran

Oil \_\_\_\_\_

13 LOCATION: 1 KUA BAY, WEST SIDE EVANS IS.

Sediment \_\_\_\_\_

14 DESCRIPTION: \_\_\_\_\_

Biological \_\_\_\_\_

## EXTENT OF OIL

Water \_\_\_\_\_

|                     | SHORELINE |    |                |      | STREAM |   |                |   |
|---------------------|-----------|----|----------------|------|--------|---|----------------|---|
|                     | L         | Y  | M <sup>2</sup> | %    | L      | Y | M <sup>2</sup> | % |
| 27 SURFACE COVERAGE | 100       | 60 |                | 40.1 | 60     | 2 |                | 0 |

36 CATALOGED ANAD. FISH SREAM? (Y) N37 CATALOG #: 226-40-1651

38 STREAM NAME: \_\_\_\_\_

28 SURFACE THICKNESS

39 OIL IN STREAM BED? Y (N)

29 PENETRATION

40 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 (N)

Where: \_\_\_\_\_

33 SHORELINE TYPE: Headland Low-lying Rocks Beach (Cove)  
Lagoon Marsh43 ANADROMOUS FISH PRESENT? (Y) N34 WAVE EXPOSURE: High Moderate (Low)

FRY PRESUMED

35 SUBSTRATE TYPE: Bedrock 10 Boulder 20 Cobble 35

44 ANADROMOUS FISH OBSERVATION

Gravel 35 Sand \_\_\_\_\_ Mud/silt \_\_\_\_\_

Species Aerial Ground

|  |  |  |
|--|--|--|
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

COMMENTS: 3-4 TAR SPLATTERS WIDELY SCATTEREDTHROUGH INTERTIDAL ZONE. EXTREMELY LOW IMPACT OBSERVED.

ACE 7237692

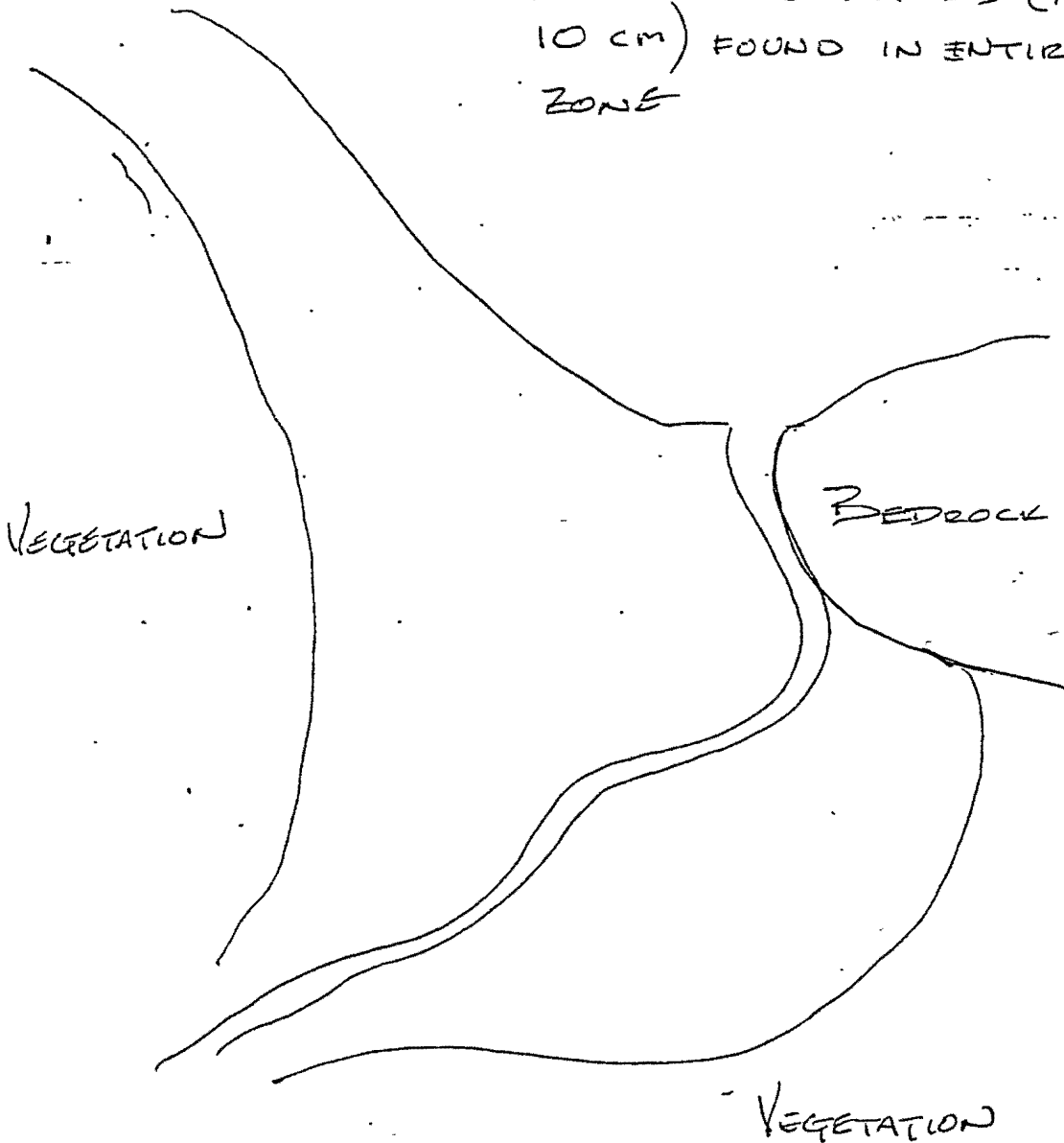
FRAME(S) DESCRIPTION

RECOMMENDATIONS: NO TREATMENT REQUIRED

I agree with recommendations, M. J. Fawcett

48 OIL DISTRIBUTION DIAGRAM

3-4 TAR SPLATTERS (MAXIMUM DIAMETER  
10 CM) FOUND IN ENTIRE INTERTIDAL  
ZONE



OG WILLIAM REID USCG McMAHON SEGMENT ST/ EV007  
 BIO MICHAEL FAWCETT LAND REP TOM CROWE ADFG 5 STREAM 226-40-165591 OF  
 EXXON GUS GARCIA ADFG MIKE WIEDMER TIME 19:00 to 19:20  
 TEAM NO. 15 TIDE LEVEL 1 FT DATE 22 / APR / 90  
 EST. SUBDIVISION LENGTH: AM m ☒ Sun ☐ Clouds ☐ Fog ☐ Rain ☐ Snow  
 UPLANDS DESCRIPTION: ☐ Grass ☒ Forest ☒ Rock  
 SURVEYED FROM: ☒ Foot ☐ Boat ☐ Helo  
 SURFACE SEDIMENTS: R 75 % B 10 % C 45 % P 45 % G 0 % S 0 % M 0 % V 0  
 SLOPE: Lang 75 % Hang 25 % Vert 0 % WAVE EXPOSURE: ☒ Low ☐ Med ☐ Hic  
 OIL CATEGORY LENGTH: W 0 m M 0 m N 0 m VL 0 m NO 40

### SURFACE OIL

| CHARACTER        | DISTRIBUTION |    |    |    | OIL / FILM COLOR |    |    |    |    |    |    |    | IMPACTED ZONES |   |   |   |
|------------------|--------------|----|----|----|------------------|----|----|----|----|----|----|----|----------------|---|---|---|
|                  | IC           | IB | IF | IS | BR               | BL | FR | FL | GR | GL | OR | OL | SU             | U | M | L |
| ASPHALT PAVEMENT |              |    |    |    |                  |    |    |    |    |    |    |    |                |   |   |   |
| POOLED           |              |    |    |    |                  |    |    |    |    |    |    |    |                |   |   |   |
| COVER            |              |    |    |    |                  |    |    |    |    |    |    |    |                |   |   |   |
| COAT             |              |    |    |    |                  |    |    |    |    |    |    |    |                |   |   |   |
| STAIN            |              |    |    |    |                  |    |    |    |    |    |    |    |                |   |   |   |
| MOUSSE           |              |    |    |    |                  |    |    |    |    |    |    |    |                |   |   |   |
| PATTIES          |              |    |    |    |                  |    |    |    |    |    |    |    |                |   |   |   |
| TARBALLS         |              |    |    |    |                  |    |    |    |    |    |    |    |                |   |   |   |
| FILM             |              |    |    |    |                  |    |    |    |    |    |    |    |                |   |   |   |
| NO OIL           | NONE         |    |    |    |                  |    |    |    |    |    |    |    |                |   |   |   |

PAVEMENT H F S 0 sq. m by 0

PATTIES / TARBALLS 0 B

NEAR SHORE SHEEN? (NO) BR RW SL

| OILED DEBRIS | AMOUNT |    |    |
|--------------|--------|----|----|
|              | SM     | MD | LG |
| Logs         |        |    |    |
| Vegetation   |        |    |    |
| Trash        |        |    |    |
| Debris       |        |    |    |

Did you COL DEBRIS  
☐ YES ☒ NO

TYPE \_\_\_\_\_  
 #BAGS \_\_\_\_\_

Photographs:

Roll No. \_\_\_\_\_

Frames \_\_\_\_\_

### SUBSURFACE OIL

| PIT NO. | PIT DEPTH (cm) | SUBSURFACE OIL CHARACTER |    |    |    |    | OILED INTERVAL (CM-CM) | BELOW |    | OIL / FILM COLOR |    |    |    |    |    |    |    | PIT ZONE |   |   |   | A N A | SHEEN (Y/N) | T | SURFACE SUBSURFACE SEDIMENT |
|---------|----------------|--------------------------|----|----|----|----|------------------------|-------|----|------------------|----|----|----|----|----|----|----|----------|---|---|---|-------|-------------|---|-----------------------------|
|         |                | OP                       | OR | OL | OF | NO |                        | UO    | UC | BR               | BL | FR | FL | GR | GL | OR | OL | SU       | U | M | L |       |             |   |                             |
| 1       | 70             |                          |    |    |    | X  | .                      |       |    |                  |    |    |    |    |    |    |    | X        |   |   |   |       | N           |   | P/G/LC                      |
| 2       | 25             |                          |    |    |    | X  | .                      |       |    |                  |    |    |    |    |    |    |    | X        |   |   |   |       | N           |   | P/G/LC                      |
|         |                |                          |    |    |    |    | .                      |       |    |                  |    |    |    |    |    |    |    |          |   |   |   |       |             |   |                             |
|         |                |                          |    |    |    |    | .                      |       |    |                  |    |    |    |    |    |    |    |          |   |   |   |       |             |   |                             |
|         |                |                          |    |    |    |    | .                      |       |    |                  |    |    |    |    |    |    |    |          |   |   |   |       |             |   |                             |
|         |                |                          |    |    |    |    | .                      |       |    |                  |    |    |    |    |    |    |    |          |   |   |   |       |             |   |                             |

COMMENTS

REVIEWED \_\_\_\_\_ DATE \_\_\_\_\_

OG WILLIAM REID

10/55  
SEGMENT ST/ EV007

STREAM 226-40-16559

DATE 22 APR 90

# SKETCH MAP

## CHECKLIST

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

## LEGEND

1 ▲

Pit - No Subsurface Oil

2 ▲

Pit - Subsurface Oil

CT/C

Continuous Distribution

CT/B

Broken Distribution

CT/P

Patchy Distribution

CT/S

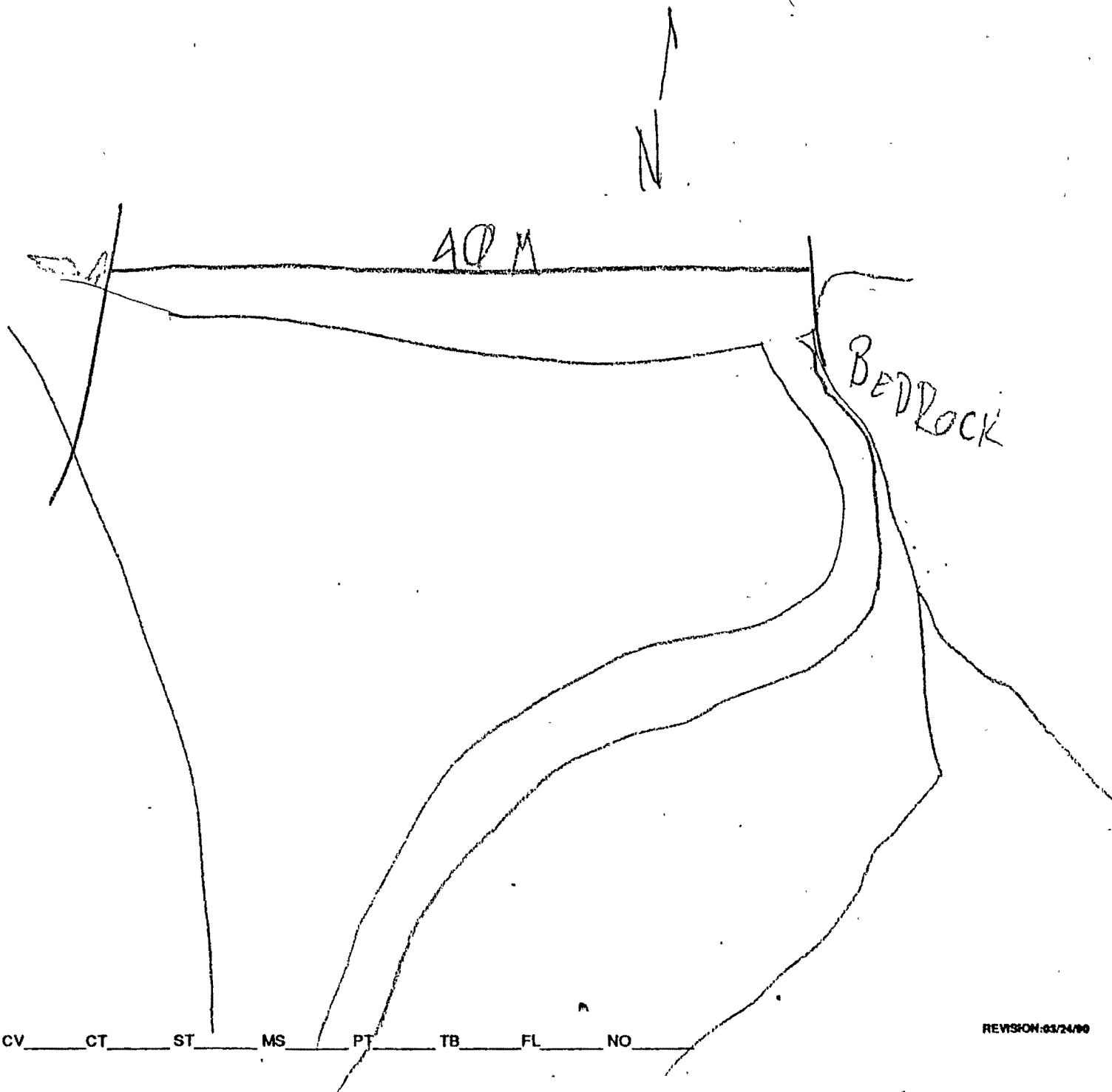
Splashed Distribution

eee

Oiled Vegetation

1 ➡

Photo location, direction,  
and number



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

REVISION: 03/24/90

ACE 7237695

ANAD SAT

11/55

## SSAT DATA ENTRY FORM

PAGE 1 OF 2

## GENERAL DATA

SEG ID: EV007 <sup>226-40-16559</sup> SUBDIV:            TEAM: AS-15 SURVEY DATE: 4/22/90  
PAVEMENT: CHAR — AREA 0 THICKNESS 0 TARBALLS 0  
OILED: LGS — VEG — TRH — DBR — WAVE EXP: LW X MD — HG —  
FAX RCVD:            DT:            AGENCY DISAGREE:             
EST SUBDIV LGTH: 40 OIL CATEGORY: W 0 M 0 N 0 VL 0 NO 40 U 0

## SURFACE DATA

SURFACE SEDIMENT: BRK 0 BLD 10 COB 45 PEB 45 GRN 0 SAN 0 MUD 0 VEG 0

CHAR #: 1 OIL CHAR: NO 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       

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

12/55

SSAT DATA ENTRY FORM

SUBSURFACE DATA

PAGE 2 OF 2

SEGMENT ID: EV 007 SUBDIV: 226-40-16 559

PIT # 1 PIT DEPTH 20 OIL CHARACTER — OIL INTVAL: FROM 0 TO 0  
QUANT: — OIL CLR: — FLM CLR: — ZONE: SU — UI X MI — LI —  
SUBSURF SEDIMENT: BRK — BLD — COB X PEB X GRN X SAN — MUD — VEG —

PIT # 2 PIT DEPTH 20 OIL CHARACTER — OIL INTVAL: FROM 0 TO 0  
QUANT: — OIL CLR: — FLM CLR: — ZONE: SU — UI X MI — LI —  
SUBSURF SEDIMENT: BRK — BLD — COB X PEB X GRN X SAN — MUD — VEG —

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

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

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

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

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

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

PROBLEMS:

Segment EV007

4/22/90

Stream 226-40-16559

Michael Fawcett

Ecological Summary

This small stream has vertical bedrock walls at the mouth on the east side, and a boulder/cobble/gravel beach on the west side. There are very dense barnacle populations on the bedrock from LTZ to UTZ and on the cobbles and boulders in LTZ. Two harbor seals swimming nearby. No cleanup needed.

M H Fawcett

ADF&G MULTI-ASSESSMENT DATA FORM

ATW  
Pre-ANADSCAT-90

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: 0912

16 HIGH TIDE HTS: 1

22 OBSERVERS: GRAB CHENEY (EXXON)

5 STOP TIME: 0920

17 LOW TIDE TIMES: 1

23 AGENCY: ADF&G -ATW

6 SEGMENT #: FV-007

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: IKTUA BAY

Sediment \_\_\_\_\_

14 DESCRIPTION: \_\_\_\_\_

Biological \_\_\_\_\_

Water \_\_\_\_\_

EXTENT OF OIL

|                      | SHORELINE |   |                |   | STREAM |   |                |   |
|----------------------|-----------|---|----------------|---|--------|---|----------------|---|
|                      | L         | W | M <sup>2</sup> | % | L      | W | M <sup>2</sup> | % |
| 27 SURFACE COVERAGE  |           |   |                |   |        |   |                |   |
| 28 SURFACE THICKNESS |           |   |                |   |        |   |                |   |
| 29 PENETRATION       |           |   |                |   |        |   |                |   |

36 CATALOGED ANAD. FISH STREAM? Y N

37 CATALOG #: 286-40-16559

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 SEE Q27, #39, 40, 41

Where: \_\_\_\_\_

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 O  
Gravel ✓ Sand \_\_\_\_\_ Mud/silt \_\_\_\_\_

44 ANADROMOUS FISH OBSERVATION

| Species | Aerial | Ground |
|---------|--------|--------|
|         |        |        |
|         |        |        |
|         |        |        |

COMMENTS: SMALL PATCHES OF ASPHALT/TAR AT  
HIGH TIDAL BAND

ACE 7237702+15

FRAME(S)

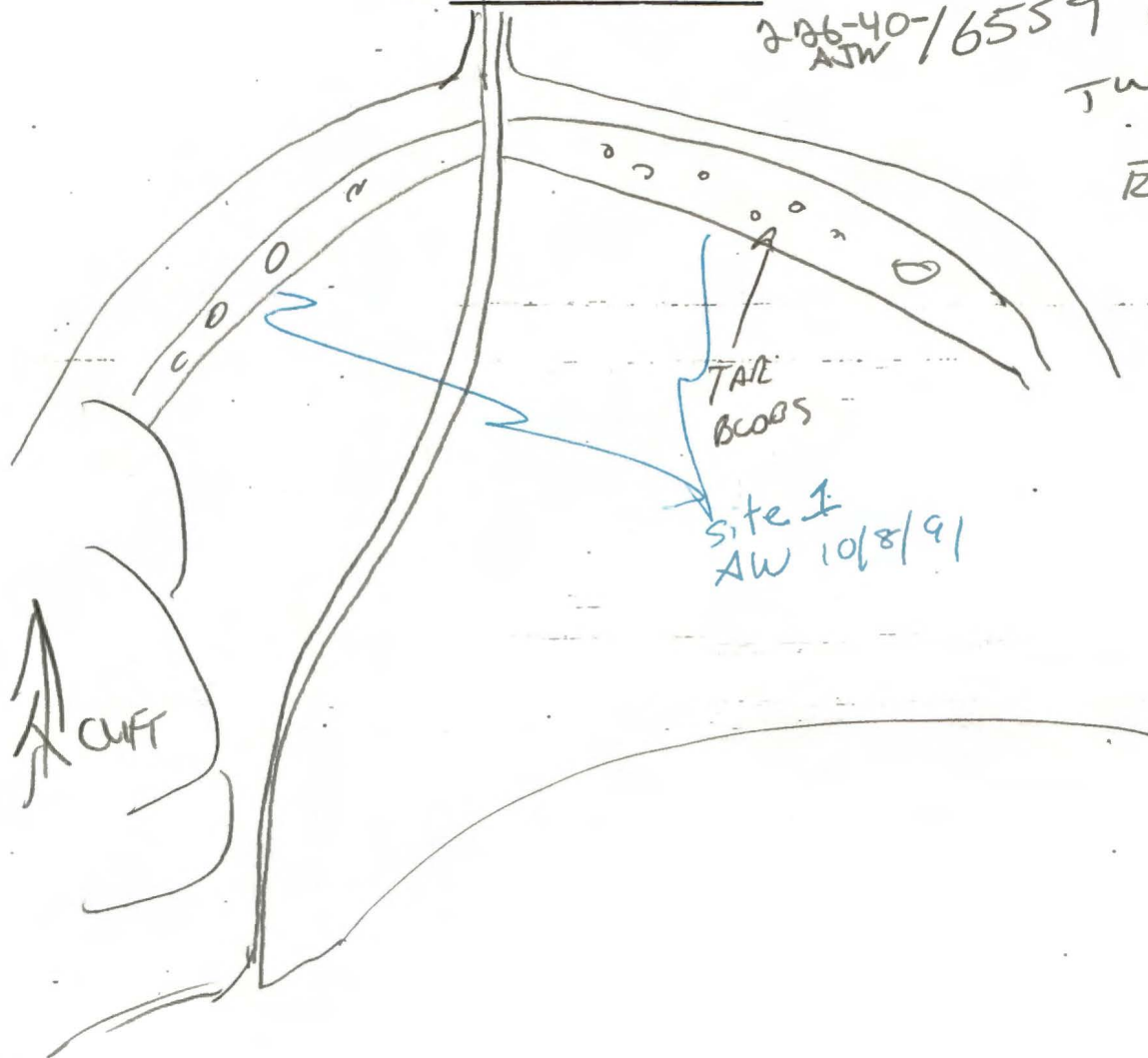
DESCRIPTION

## 46 OIL DISTRIBUTION DIAGRAM

286-40-16559 4/13/90  
ATW

TWC

RV007



= Sample taken  
 = Photo frame # and  
 shot direction.

ACE 7237703-15

**ADEC EXXON VALDEZ POST-TREATMENT SURVEY REPORT**

SEGMENT#: EV007  
LOCATION: N EVANS ISLAND

DATE: 10/13/89  
TIME: 18:30

Survey Type: Boat, Ground  
Team: G. Pavia, W. Ghormley

WEATHER AND SEA CONDITIONS

Weather: Sunny, Cloudy  
Sea State: Calm

Wind Direction: NW  
Knots: 0-15

|                 |            |                  |            |
|-----------------|------------|------------------|------------|
| Low Tide: 6:42  | Feet: 0.22 | High Tide: 12:53 | Feet: 13.4 |
| Low Tide: 19:10 | Feet: -0.9 | High Tide: 0:34  | Feet: 12.4 |

SHORELINE DESCRIPTION

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

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

OIL CHARACTERISTICS

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

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

Percent Segment Categorized as Oiled: 25%  
Presence of Oiled Driftwood (y/n): n  
Oil Types: T  
(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: Few localities, garbage  
Bags Collected: 0

Draft

Printed: 12/12/89 11:16

Walk-a-thon

ACE 7237656

**ADEC EXXON VALDEZ POST-TREATMENT SURVEY REPORT**

SEGMENT#: EV008  
LOCATION: N EVANS ISLAND

DATE: 10/13/89  
TIME: 17:45

Survey Type: Boat, Ground  
Team: W. Ghormley, G. Pavia

WEATHER AND SEA CONDITIONS

Weather: Sunny  
Sea State: Calm

Wind Direction: variable  
Knots: 0-15

|                 |            |                  |            |
|-----------------|------------|------------------|------------|
| Low Tide: 6:42  | Feet: 0.22 | High Tide: 12:53 | Feet: 13.4 |
| Low Tide: 19:10 | Feet: -0.9 | High Tide: 0:34  | Feet: 12.4 |

SHORELINE DESCRIPTION

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

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

OIL CHARACTERISTICS

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

Max. Oil Thickness: 1 mm (1 = 1 mm or less, 0 = no oil)  
Max. Oil Penetration: 3 cm (35 = 35 cm or greater)

Percent Segment Categorized as Oiled: 10%  
Presence of Oiled Driftwood (y/n): y  
Oil Types: A,ST  
(P=pooled, M=mousse, SY=sticky, T=tar, A=asphalt, ST=stain)  
Samples: EV008-1 / EV008-2 / none / none

DAMAGED OR OILED ORGANISMS

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

SOLID WASTE FOUND

Type: One locality, cleanup debris  
Bags Collected: 0

Draft

Printed: 12/12/89 11:16

Walk-a-thon

ACE 7237657

## 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   |     |           |         |     |           |         |

(version 5/02/89)

SHORELINE CLEANUP PROGRAM

DATE 6-18-89

SHORELINE SEGMENT EV-7

LOCATION: (see enclosed map) Evans Island - West Side

ADEC NO. \_\_\_\_\_ SHORELINE ASSESSMENT DATE: 6-16-89

Recommended Cleanup Activity(ies):

- Manually remove contaminated drift material(fucus) and patches of mousse.
- Use other approved methods as appropriate.

Priorities Considerations:

Class: 4 light oil

Class: A Subsistence resources present.

Ecological Constraints (from site survey):

A suspected anadromous stream exists at beach No. 3 and a cataloged anadromous stream (catalog No.660) is located at beach No.2. NOTIFY ADF&G and RAT 48 hours prior to beginning cleanup activities on these beaches. Work at mid tide + or take appropriate measures to protect lower intertidal zone.

Archeological Constraints (from site survey):

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

  
\_\_\_\_\_  
State Historic Preservation Officer \*

Date: June 18, 1989

ISCC: \_\_\_\_\_

Date: \_\_\_\_\_

EXXON: \_\_\_\_\_

Date: \_\_\_\_\_

FOSC: \_\_\_\_\_

Date: \_\_\_\_\_

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

ACE 7237706 + 15

SHORELINE OIL EVALUATION

Date: 6/16/89 Time: 08:15

Observer: RICK GILLIE

Surveyed From: Foot/Boat/Helio/Plane

Weather: Sun/Cloud/Rain/Snow/F

LOCATION

LOCATION EVANS ISLAND SEGMENT NUMBER EV-7

LENGTH OF SHORELINE SEGMENT: 4,900 m

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

SHORELINE:

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

Slope: LANG/HANG/VER

Wave Exposure: High/Med/Low

Sediment: B10% / C5% / P5% / G\_\_\_% / S\_\_\_% / M\_\_\_% / R80%

Drift Debris on Beach: Yes/No

Supra/Upper/Mid/Lower Type Fucus

OIL

Degree of Oiling: Heavy/Moderate/Light/No Oil/Unobserved

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

Continuous: Y/N % of Segment \_\_\_\_\_ Width of Band: \_\_\_\_\_ m

Sporadic: Y/N % of Segment < 1%

Est. Oil Thickness where > 1cm: \_\_\_\_\_ cm Est. Oil Penetration: \_\_\_\_\_ cm

Pooled Oil: \_\_\_\_\_% "Free" Oil: \_\_\_\_\_% Coated: H\_\_\_% / M\_\_\_% / L100%

Fresh \_\_\_\_\_% Mousse 100% Tar Formation: \_\_\_\_\_%

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

Comments:

- Site ② 100m long narrow band of mousse debris at HT between two streams. Cobble/pebble substrate



LAVA

EV-7

EVANS ISLAND

No oil - ①

No oil - ①

No oil - ①

Narrow band (0.5m wide)  
of mouse debris at  
HT between two streams

#16563 m 10/91

Catalog no 660

#16561 m 10/91

IKTUA BAY

16559

16557

No oil

No oil, rich stream mouth  
biota

③

CATALOG ~~658~~ No 659

#16550 m 10/91

TEEL

# ECOLOGICAL EVALUATION

LOCATION: EVANS ISLAND SITE: \_\_\_\_\_ OBSERVER: MEYER

LOCATION PREFIX: EV SEG. NO.: 7 LENGTH: 4900 (M)

DATE: 06/16/89 TIME (HHMM): 0815 TIDE HT.: +5 FT (M)

OILED ZONE: Splash High Medium Low

SUBSTRATUM: Rocks Boulder cobble Gravel Sand Mud

## LIVE BIOTA

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

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

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

Some spat continuous

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

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

## OTHER OBSERVATIONS:

CLEANUP PRECAUTIONS: Check with ADF&G for status of stream<sup>in area ②</sup> prior to cleanup; if  
Anadromous stream notify ADF&G and BAT 48 hours prior to beginning any cleanup  
activity in area ②

MAMMALS: Otters Group Harbor Seals \_\_\_\_\_ Sea Lions \_\_\_\_\_ Whales \_\_\_\_\_  
Other Black Bear seen by Rick G at site #3

BIRDS: ♂♂ Harlequin Duck, Oystercatcher-1; NW Crow-2; Common Merganser 3♂ 2♀;

GENERAL OBSERVATIONS: Stream on site ② Not in ADF&G Anadromous Stream Catalogue;  
Stream on site ③ is Pick Spawning area (ADF&G).

(version of 4/29/89)

CULTURAL RESOURCE EVALUATION

Date 6/16/89 Location Eyran Island Site \_\_\_\_\_

Location Prefix EV Segment # EV-7 Length 4900m

Survey Method:

Air \_\_\_\_\_ (A - indicate on map) Boat ☒ (A - indicate on map)

Ground ☒ beach (G - indicate on map)

Known cultural resources (AHRS #) None Data Source None

Oil conditions/beach visibility light oil on beach, none in the

Width of beach zone surveyed 15-20m Tree fringe surveyed 10m

Cultural resources observed in beach zone (AHRS code) None

Cultural resources observed in tree fringe (AHRS code) None

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

Shore Profile beach, moderately sloped and gravel covered -

Fresh Water Sources each beach has two streams

Sea Exposure protected

Access/Safety good

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

Monitoring during cleanup needed yes/no Collection yes/no

Photos: Color Roll # \_\_\_\_\_ Frames \_\_\_\_\_

B/W Roll # \_\_\_\_\_ Frames \_\_\_\_\_

Observer(s) C. Wilson

Time survey started 0800 Time survey ended 0930

Cultural resource considerations/restraints:

if heretofore undiscovered cultural material is  
uncovered during cleanup notify Exxon archaeologist,  
C. Mobley, immediately.



*Princess  
9/26*

**RECEIVED**

APR 23 1990

DEPT. OF  
ENVIRONMENTAL CONSERVATION

REGION: PRINCE WILLIAM SOUND

SEGMENT: ST/EV-07

SUBDIVISIONS: A (1 OF 1)

*Princess/Princess  
Cancun to Puerto*

ACE 7237661 +15/AC

SHORELINE EVALUATION

SEGMENT ST/ EV-07 SUBDIVISION A (1 OF 1) DATE 4/7/90

**SEGMENT ENVIRONMENTAL SENSITIVITIES AND TIME CONSTRAINTS:**

ADF&G anadromous stream no. 226-40-16550, 16557, 16561, 16559, 16563.

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

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

6Y Recreation: Special use destination

7II Subsistence area: Deer harvesting (8/15 to 2/28)

See attached Ecological Constraint sheet for specific constraints and contacts.

**SUBDIVISION ECOLOGICAL CONSTRAINTS:**

Avoid any unnecessary disturbance or damage to unoiled biota and substrate. If treatment is planned, avoid damage to mussel beds.

**ARCHAEOLOGICAL CONSTRAINTS:**

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

SHPO SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**OILING CATEGORIZATION:**

Wide \_\_\_\_\_ m: Medium \_\_\_\_\_ m: Narrow \_\_\_\_\_ m: V.Light \_\_\_\_\_ m: No Oil \_\_\_\_\_ m

Subsurface Oil Observed: Yes \_\_\_\_\_ No X Maximum Depth \_\_\_\_\_

**RECOMMENDATIONS:**

X No Treatment Recommended

\_\_\_\_\_ Treatment Recommended

\_\_\_\_\_ Manual Pickup

\_\_\_\_\_ Bioremediation

\_\_\_\_\_ Tarmat: \_\_\_\_\_ Breakup

\_\_\_\_\_ Removal

\_\_\_\_\_ Snare/Absorbent Booms

\_\_\_\_\_ Oil Snares (pom poms)

\_\_\_\_\_ Absorbents (pads, rolls, etc)

\_\_\_\_\_ Spot Washing: \_\_\_\_\_ Wands

\_\_\_\_\_ Beach Cleaner

\_\_\_\_\_ Other (see comments)

COMMENTS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

TAG COMMENTS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

TAG APPROVAL DATE: \_\_\_\_\_

ADEC \_\_\_\_\_

EXXON \_\_\_\_\_

NOAA \_\_\_\_\_

USCG \_\_\_\_\_

FOSC: \_\_\_\_\_ DATE: \_\_\_\_\_

ACE 7237662

# PWS, SEWARD AND HOMER ECOLOGICAL CONSTRAINTS

- 1A Salmon stream mouth - fry outmigration (3/1 to 5/15)  
 1B Salmon stream mouth - spawning (7/10 to 8/31)  
 No disturbance of stream bed or banks unless authorized by ADF&G. No beach flushing into stream drainage  
 No bioremediation or other chemical application within 100m of stream. Contact ADF&G Habitat Division prior to treatment for permits.
- 1C Salmon fry nursery area (4/31 to 7/31)
- 1D Esther Hatchery release (4/15 to 6/1)
- 1E Main Bay Hatchery release (4/20 to 5/10)
- 1F Sawmill Bay Hatchery release (4/15 to 6/1)
- 1G Cannery Creek Hatchery release (4/21 to 6/1)
- 1H Remote release site
- 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)  
 For Codes 1C through 1L contact ADF&G for specific dates, locations and constraints.
- 2M Herring spawning (4/1 to 6/15)  
 Restrict boat traffic to essential minimum. Avoid damage to unopened intertidal and subtidal algae and seagrass.  
 Contact ADF&G for specific dates and locations.
- 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.
- 5R Seabird colony (5/1 to 9/1)  
 Restrict air traffic to essential minimum. No personnel within 800m. Aircraft to maintain 800m horizontal, 300m vertical distance. Contact ADF&G and USFWS prior to treatment.
- 5S Shorebird/waterfowl concentration (4/1 to 5/15)  
 Restrict all activity to essential minimum, especially air traffic.
- 5T All Bald Eagle nests (3/1 to 6/1)  
 Active Bald Eagle nests (3/1 to 9/1)  
 Restrict air traffic 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.
- 6U Recreation: Tent sites (8/1 to 9/15)
- 6V Anchorages (6/1 to 9/15)
- 6W Forest Service cabins (6/1 to 9/15)
- 6X Lodge (8/1 to 9/15)
- 6Y Special use destination
- 7Z Subsistence area: Salmon harvesting (5/1 to 9/30)
- 7HH Finfish harvesting
- 7I Deer harvesting (8/15 to 2/28)
- 7JJ Invertebrate harvesting  
 For Codes 7Z through 7JJ contact ADF&G and Chenega Corporation for specific dates, locations, and constraints.

## FIELD SHORELINE COMMENT SHEET

SEGMENT ST / EV-7 SUBDIVISION: \_\_\_\_\_ DATE 4/7/90USCG NOAANAME GARY SHIGENAKASIGNATURE Gary Shigenaka☐ NO TREATMENT RECOMMENDED☐ TREATMENT SUGGESTED

## COMMENTS

SEGMENT CONSISTED OF A LARGELY ROCKY SHORELINE OCCASIONALLY INTERRUPTED BY POCKET BEACHES, ON THE NORTHERN END OF EVANS ISLAND. LITTLE EVIDENCE OF OILING WAS ENCOUNTERED ON THIS SEGMENT. AT THE FIRST POCKET BEACH FOUND AT THE SOUTH END OF THE SEGMENT, A VERY LIGHT SHEEN WAS FOUND IN ONE PIT DUG INTO THE PEBBLE BEACH, BUT NO OTHER SIGN OF OIL WAS FOUND IN THIS PIT OR ANY OTHER. THE ONLY OTHER OILING SEEN IN THE SEGMENT WAS A BAND OF ASPHALT IN THE UPPER INTERSTICIAL ZONE BETWEEN TWO ANADROMOUS STREAMS, MEASURING APPROXIMATELY 1 M WIDE BY ABOUT 50 M IN LENGTH. THE NATURE OF THE DISTRIBUTION WAS DISCONTINUOUS, AND VARIED FROM WEATHERED STAIN TO COVER. MUCH OF THE SUPRATIDAL ON BEACHES OF THE SEGMENT WAS COVERED BY SNOW.

ADECNAME John HayesSIGNATURE John Hayes☐ NO TREATMENT RECOMMENDED☒ TREATMENT SUGGESTED

## COMMENTS

Oiling observed on this segment consisted of an asphalt band approx 1-50m. This band was between two Andromeda streams (flowing in streambeds) although it was approx 40-60m from stream banks. No surface or subsurface contamination was found in or near streams. If the And-Seat team is in this area these streams should be assessed for oiling although marginal it's within 100yds. Also observed was a very light translucent sheen in the ripples on one of the pocket beaches, this was isolated as nearby pits revealed no sheen. Treatment suggested is to have AND-SEAT look at streams and make recommendations although this is not a priority area.

LAND MANAGERNAME JAMES A BARKERSIGNATURE James A Barker☐ NO TREATMENT RECOMMENDED☒ TREATMENT SUGGESTED

## COMMENTS

TEAM OBSERVED INTERMITTENT OATIES AND ASPHALT BAND 1-KM LENGTH, NEAR STREAM BANKS. DUE TO THE SENSITIVITY OF THESE STREAMS RAKES & SHOVELS SHOULD BE USED AS CLEAN UP AGENT. NOTE THAT AND-SEAT SHOULD MAKE RECOMMENDATIONS CONCERNING DECONTAMINATION.

## SHORELINE OILING SUMMARY

REVISION NO. 03/22/90

OG: Mike Foget NOAA USCG Gary Shigmon SEGMENT ST/ EU-07  
 BIO: Richard Ambrose LAND REP: James A. Barker SUBDIVISION: A (1041)  
 EXXON: Larry Olson ADEC: John Hayes TIME: 16:00 to 17:50  
 TEAM NO.: 11 TIDE LEVEL: 5.5 to 1.0 DATE: 4/7/90  
 EST. SUBDIVISION LENGTH: 5439 m ☒ Sun ☐ Clouds ☐ Fog ☐ Rain ☐ Snow  
 UPLANDS DESCRIPTION: ☐ Grass ☒ Forest ☐ Rock SNOW in the SUPRA ITZ  
 SURVEYED FROM: ☒ Foot ☐ Boat ☐ Helo WORKING DIRECTION: S to N  
 SURFACE SEDIMENTS: R 60 % B 20 % C 10 % P 5 % G 5 % S 0 % M 0 % V 0 %  
 SLOPE: Lang 15 % Hang 25 % Vert 60 % WAVE EXPOSURE: ☐ Low ☒ Med ☐ High  
 OIL CATEGORY LENGTH: W 0 m M 0 m N 0 m VL 30 m NO 5409 m

## SURFACE OIL

| CHARACTER        | DISTRIBUTION |   |   |   | OIL / FILM COLOR |    |    |    |     |    |    |  | IMPACTED ZONES |    |   |   |
|------------------|--------------|---|---|---|------------------|----|----|----|-----|----|----|--|----------------|----|---|---|
|                  | C            | B | P | S | SB               | DB | GY | SL | DBR | TL | LR |  | SU             | UI | M | U |
| ASPHALT PAVEMENT |              |   |   |   |                  |    |    |    |     |    |    |  |                |    |   |   |
| POOLED           |              |   |   |   |                  |    |    |    |     |    |    |  |                |    |   |   |
| COVER            |              |   |   |   |                  |    |    |    |     |    |    |  |                |    |   |   |
| COAT             |              |   |   |   |                  |    |    |    |     |    |    |  |                |    |   |   |
| STAIN            |              |   |   |   |                  |    |    |    |     |    |    |  |                |    |   |   |
| MOUSSE           |              |   |   |   |                  |    |    |    |     |    |    |  |                |    |   |   |
| PATTIES          |              |   |   | X |                  | X  |    |    |     |    |    |  | X              |    |   |   |
| TARBALLS         |              |   |   |   |                  |    |    |    |     |    |    |  |                |    |   |   |
| FILM             |              |   |   |   |                  |    |    |    |     |    |    |  |                |    |   |   |
| NO OIL           |              |   |   |   |                  |    |    |    |     |    |    |  | X              |    | X | X |

PAVEMENT: H F 0 2 sq. m by 3 cmPATTIES / TARBALLS 0 BAGSNEAR SHORE SHEEN? NO BR RW SL TL

| OILED DEBRIS | AMOUNT |    |    |
|--------------|--------|----|----|
|              | SM     | MD | LG |
| Logs         |        |    |    |
| Vegetation   |        |    |    |
| Trash        |        |    |    |
| Debris       |        |    |    |

DEBRIS COLLECTED

☐ YES ☒ NOTYPE 0#BAGS 0

Photographs:

Roll No. —Frames —

## SUBSURFACE OIL

| PIT NO. | PIT DEPTH (cm) | SUBSURFACE OIL CHARACTER |    |    |    |    | OILED INTERVAL (CM-CM) | BELOW |    | OIL / FILM COLOR |    |    |    |     |    |    |  | PIT ZONE |    |   |   | A N A | SUBSURFACE SEDIMENTS           |
|---------|----------------|--------------------------|----|----|----|----|------------------------|-------|----|------------------|----|----|----|-----|----|----|--|----------|----|---|---|-------|--------------------------------|
|         |                | OP                       | OR | OL | OF | NO |                        | UO    | UC | SB               | DB | GY | SL | DBR | TL | LR |  | SU       | UI | M | U |       |                                |
| 1       | 30             |                          |    |    |    | X  | -                      |       | X  |                  |    |    |    |     |    |    |  | X        |    |   |   |       | P, G (H <sub>2</sub> O @ 20cm) |
| 2       | 60             |                          |    |    |    | X  | -                      |       | X  |                  |    |    |    |     |    |    |  | X        |    |   |   |       | P, G (H <sub>2</sub> O @ 30cm) |
| 3       | 20             |                          |    |    |    | X  | -                      |       | X  |                  |    |    |    |     |    |    |  | X        |    |   |   |       | P, G                           |
| 4       | 20             |                          |    |    |    | X  | -                      |       | X  |                  |    |    |    |     |    |    |  |          | X  |   |   |       | P, G                           |
| 5       | 25             |                          |    |    |    | X  | -                      |       | X  |                  |    |    |    |     |    |    |  |          |    | X | X |       | M (H <sub>2</sub> O @ 10cm)    |
| 6       | 30             |                          |    |    |    | X  | -                      |       | X  |                  |    |    |    |     |    |    |  | X        |    |   |   |       | P, S, M                        |

## COMMENTS

Most of the segment is clean w/ the exception of a 1m x 30cm CT/S asphalt patties distribution in the 1-2-2 (see map). This is located on a low angle D/C beach. The rest of the segment contains 1-2-2 Bedrock/Boulders with some Low angle Pocket Cobble beaches.

SHORELINE OILING SUMMARY (PAGE 2 of 2)

REVISION 03/22/90

SEGMENT ST/ EV-7 SUBDIVISION A

## SUBSURFACE OIL (CONTINUED)

| PIT NO. | PIT DEPTH (cm) | SUBSURFACE OIL CHARACTER |    |    |    |    | OILED INTERVAL (CM-CM) | BELOW |    | OIL / FILM COLOR |    |    |    |    |    |    |    | PIT ZONE |    |    |   | A<br>N<br>A | SUBSURFACE SEDIMENTS           |
|---------|----------------|--------------------------|----|----|----|----|------------------------|-------|----|------------------|----|----|----|----|----|----|----|----------|----|----|---|-------------|--------------------------------|
|         |                | OP                       | OR | OL | OF | NO |                        | UO    | UC | SB               | BR | DB | RW | GY | SL | DB | TL | SU       | UI | MI | U |             |                                |
| 7       | 20             |                          |    |    |    | X  | -                      |       | X  |                  |    |    |    |    |    |    |    | X        |    |    |   |             | G, R                           |
| 8       | 30             |                          |    |    |    | X  | -                      |       | X  |                  |    |    |    |    |    |    |    | X        |    |    |   |             | P, G                           |
| 9       | 15             |                          |    |    |    | X  | -                      |       | X  |                  |    |    |    |    |    |    |    |          | X  |    |   |             | P, G (H <sub>2</sub> O @ 10cm) |
| 10      | 20             |                          |    |    |    | X  | -                      |       | X  |                  |    |    |    |    |    |    |    | X        |    |    |   |             | P, G, S                        |
| 11      | 25             |                          |    |    |    | X  | -                      |       | X  |                  |    |    |    |    |    |    |    | X        |    |    |   |             | P, G                           |
| 12      | 20             |                          |    |    |    | X  | -                      |       | X  |                  |    |    |    |    |    |    |    | X        |    |    |   |             | P, G                           |
| 13      | 15             |                          |    |    |    | X  | -                      |       | X  |                  |    |    |    |    |    |    |    |          | X  |    |   |             | G, M (H <sub>2</sub> O @ 5cm)  |
|         |                |                          |    |    |    |    | -                      |       |    |                  |    |    |    |    |    |    |    |          |    |    |   |             |                                |
|         |                |                          |    |    |    |    | -                      |       |    |                  |    |    |    |    |    |    |    |          |    |    |   |             |                                |
|         |                |                          |    |    |    |    | -                      |       |    |                  |    |    |    |    |    |    |    |          |    |    |   |             |                                |
|         |                |                          |    |    |    |    | -                      |       |    |                  |    |    |    |    |    |    |    |          |    |    |   |             |                                |
|         |                |                          |    |    |    |    | -                      |       |    |                  |    |    |    |    |    |    |    |          |    |    |   |             |                                |
|         |                |                          |    |    |    |    | -                      |       |    |                  |    |    |    |    |    |    |    |          |    |    |   |             |                                |
|         |                |                          |    |    |    |    | -                      |       |    |                  |    |    |    |    |    |    |    |          |    |    |   |             |                                |
|         |                |                          |    |    |    |    | -                      |       |    |                  |    |    |    |    |    |    |    |          |    |    |   |             |                                |

COMMENTS

REVIEWED 7W DATE 4/13/98

ACE 7237666

DATE 4 / 7 90

### SKETCH MAP

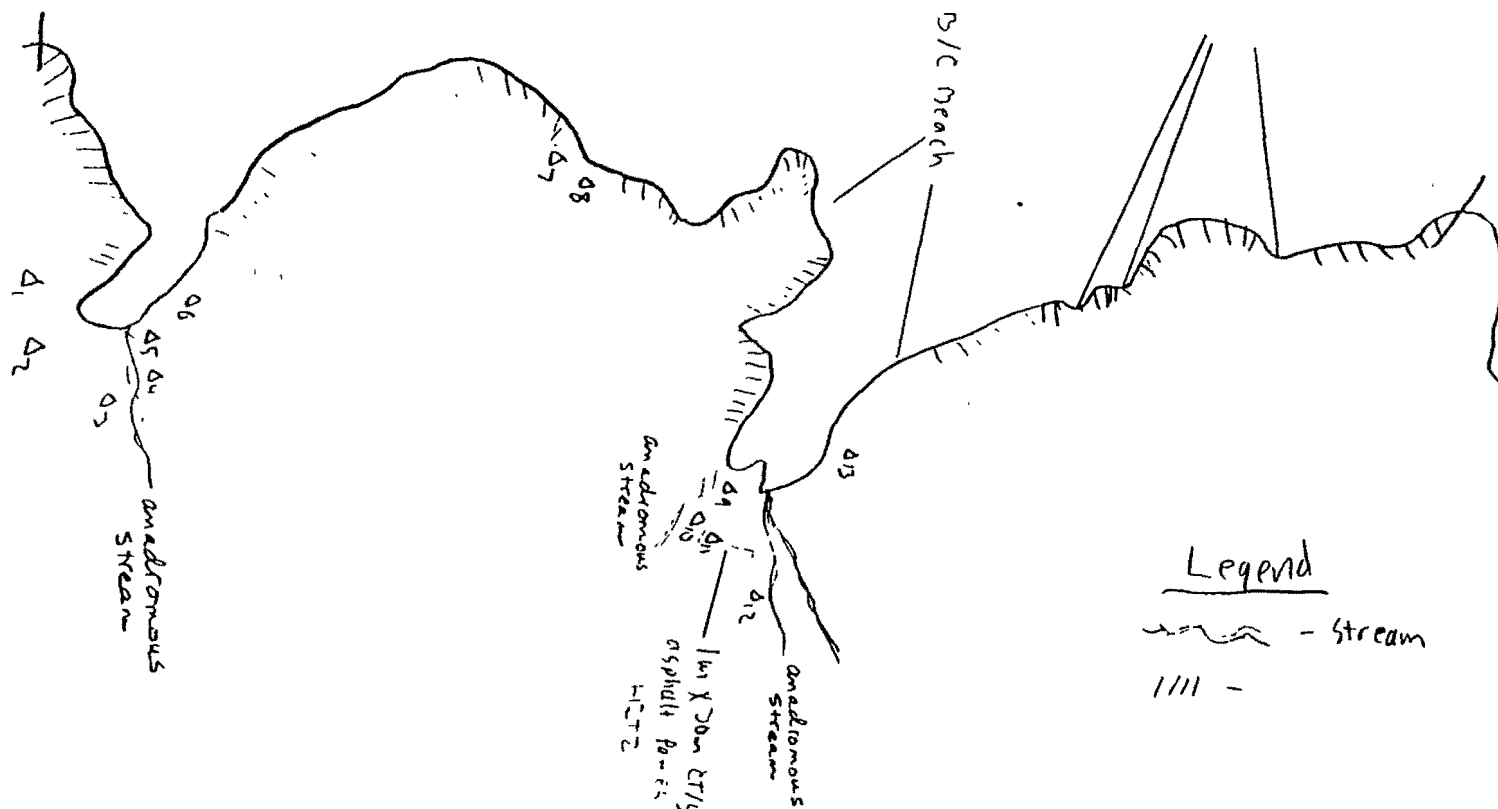
## CHECKLIST

- (X) ☐ N Arrow  
☐ Approx Scale  
☐ Seg/Sub Bndry  
☐ Od Dist  
☐ Width  
☐ Length  
☐ % Cover  
☐ Substrate Character  
☐ Est H/L/L/W/L  
☐ SSI  
☐ Profile Location(s)  
☐ Profile(s)  
☐ Pit Location(s)  
☐ Photo Location(s)

### LEGEND

- 1 ▲  
Pit - No Subsurface Oil
- 2 ▲  
Pit - Subsurface Oil
- CT/C  
Continuous Distribution
- CT/B  
Broken Distribution
- CT/P  
Patchy Distribution
- CT/S  
Splashed Distribution
- Older Vegetation
- 1 ●→  
Photo location, direction,  
and number

ACF 7237667



Legend  
 - Stream  
 -

On Character Length (m): AP    PO    CV    CT    ST    MS    PT 30 TB    FL    NO 5404

REVISION: 03/24/00

## SHORELINE ECOLOGICAL SUMMARY

REVISION: 03/22/90

Segment ST / EVO07 Subdivision A Date (mo / day / yr) 4/7/90Time (24 hr) 1545 hrs Biologist Ambrose**DRAFT**(A) Substrate type and % of segments:  
(1) Bedrock 60 (2) Boulder 20 (3) Cobble 10 (4) Pebble 5 (5) Sand 5 (6) Silt —(B) Overall % cover of biota (% of segment): Dense 15 Moderate 45 Low 50

(C) Density, substrate preference (by number from A, above), &amp; vertical zonation of major taxa: (upper-U; mid-M; low tidal-L); juveniles / adults (X), new settlement (O)

Photographs: Roll No. —Frames —

## BARNACLES

| Dense |    |    | Moderate |    |    | Sparse |    |    | Rare |    |    |
|-------|----|----|----------|----|----|--------|----|----|------|----|----|
| 1U    | 1M | 1L | 1U       | 1M | 1L | 1U     | 1M | 1L | 1U   | 1M | 1L |
| 2     | 2  | 2  | X        | X  | 2  | 2      | 2  | 2  | 2    | 2  | 2  |
| 3     | 3  | 3  | X        | X  | X  | 3      | 3  | 3  | 3    | 3  | 3  |
| 4     | 4  | 4  | 4        | 4  | 4  | 4      | 4  | 4  | 4    | 4  | 4  |
| 5     | 5  | 5  | 5        | 5  | 5  | 5      | 5  | 5  | 5    | 5  | 5  |
| 6     | 6  | 6  | 6        | 6  | 6  | 6      | 6  | 6  | 6    | 6  | 6  |

NOT PRESENT

## MYTILUS

| Dense |    |    | Moderate |    |    | Sparse |    |    | Rare |    |    |
|-------|----|----|----------|----|----|--------|----|----|------|----|----|
| 1U    | 1M | 1L | 1U       | 1M | 1L | 1U     | 1M | 1L | 1U   | 1M | 1L |
| 2     | 2  | 2  | 2        | 2  | 2  | 2      | 2  | 2  | 2    | 2  | 2  |
| 3     | 3  | 3  | 3        | 3  | 3  | 3      | 3  | 3  | 3    | 3  | 3  |
| 4     | 4  | 4  | 4        | 4  | 4  | 4      | 4  | 4  | 4    | 4  | 4  |
| 5     | 5  | 5  | 5        | 5  | 5  | 5      | 5  | 5  | 5    | 5  | 5  |
| 6     | 6  | 6  | 6        | 6  | 6  | 6      | 6  | 6  | 6    | 6  | 6  |

NOT PRESENT

## GASTROPODS

| Dense |    |    | Moderate |    |    | Sparse |    |    | Rare |    |    |
|-------|----|----|----------|----|----|--------|----|----|------|----|----|
| 1U    | 1M | 1L | 1U       | 1M | 1L | 1U     | 1M | 1L | 1U   | 1M | 1L |
| 2     | 2  | 2  | 2        | 2  | 2  | 2      | 2  | 2  | 2    | 2  | 2  |
| 3     | 3  | 3  | 3        | 3  | 3  | X      | X  | 3  | 3    | 3  | 3  |
| 4     | 4  | 4  | 4        | 4  | 4  | 4      | 4  | 4  | 4    | 4  | 4  |
| 5     | 5  | 5  | 5        | 5  | 5  | 5      | 5  | 5  | 5    | 5  | 5  |
| 6     | 6  | 6  | 6        | 6  | 6  | 6      | 6  | 6  | 6    | 6  | 6  |

NOT PRESENT

## FUCUS

| Dense |    |    | Moderate |    |    | Sparse |    |    | Rare |    |    |
|-------|----|----|----------|----|----|--------|----|----|------|----|----|
| 1U    | 1M | 1L | 1U       | 1M | 1L | 1U     | 1M | 1L | 1U   | 1M | 1L |
| 2     | 2  | 2  | X        | X  | X  | 2      | 2  | 2  | 2    | 2  | 2  |
| 3     | 3  | 3  | X        | X  | X  | X      | 3  | 3  | 3    | 3  | 3  |
| 4     | 4  | 4  | 4        | 4  | 4  | 4      | 4  | 4  | 4    | 4  | 4  |
| 5     | 5  | 5  | 5        | 5  | 5  | 5      | 5  | 5  | 5    | 5  | 5  |
| 6     | 6  | 6  | 6        | 6  | 6  | 6      | 6  | 6  | 6    | 6  | 6  |

NOT PRESENT

Wildlife Observations/ General Comments: 1 otter, 1 deer (plus deer tracks (2 sets) and scat), 13 Barrow's goldeneyes, 6 Harlequin ducks, 2 cormorants  
 Many sections (esp. high angle beaches and walls) have moderate density, but cover is sparse on cobble beaches.

## Ecological Considerations:

1B, 711, 6V: 3 (possibly four) anadromous streams (see next page)

\* Note: part surveyed by boat.

Ambrose

segment EV007A

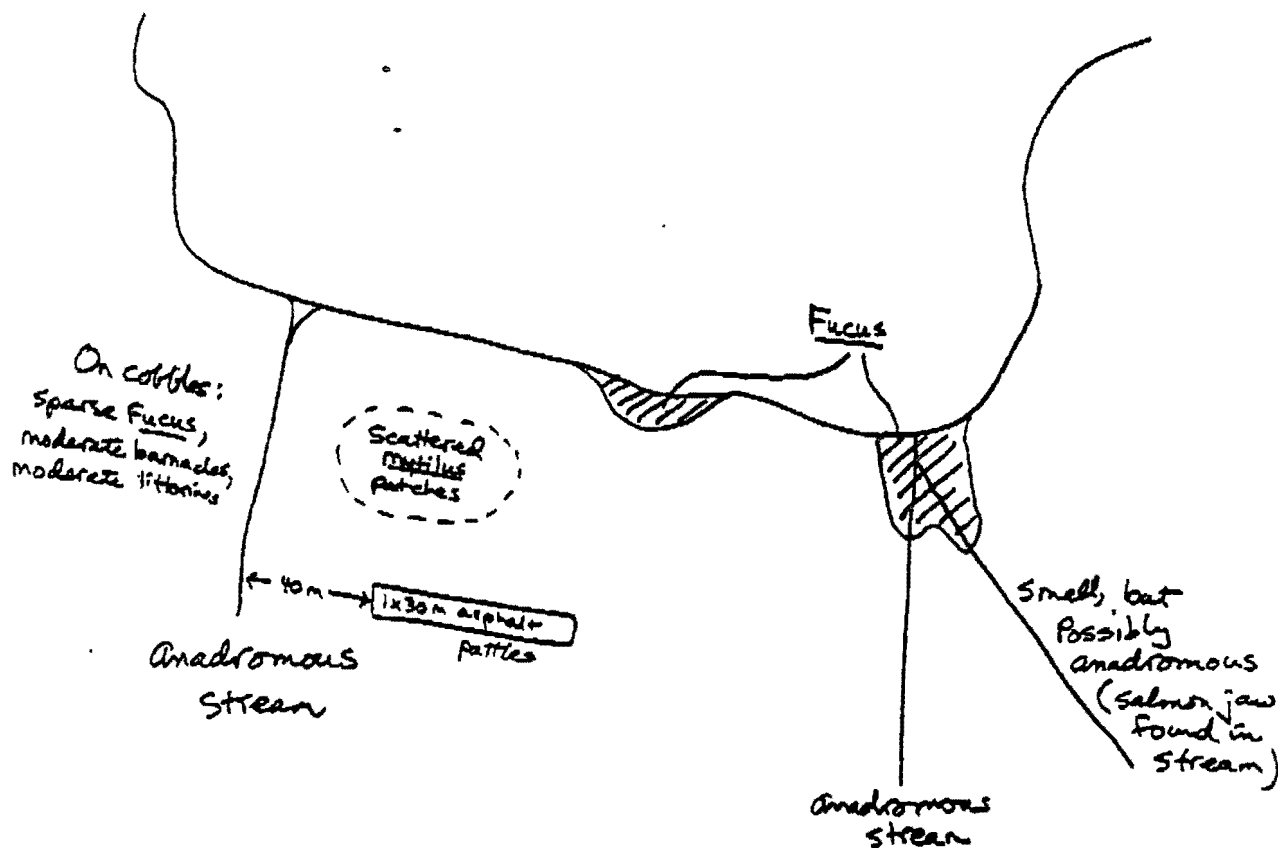
Bio: page 2 of 2

4/7/90

Three anadromous streams are in EV007A, as identified by salmon bones found in or nearby the streams.

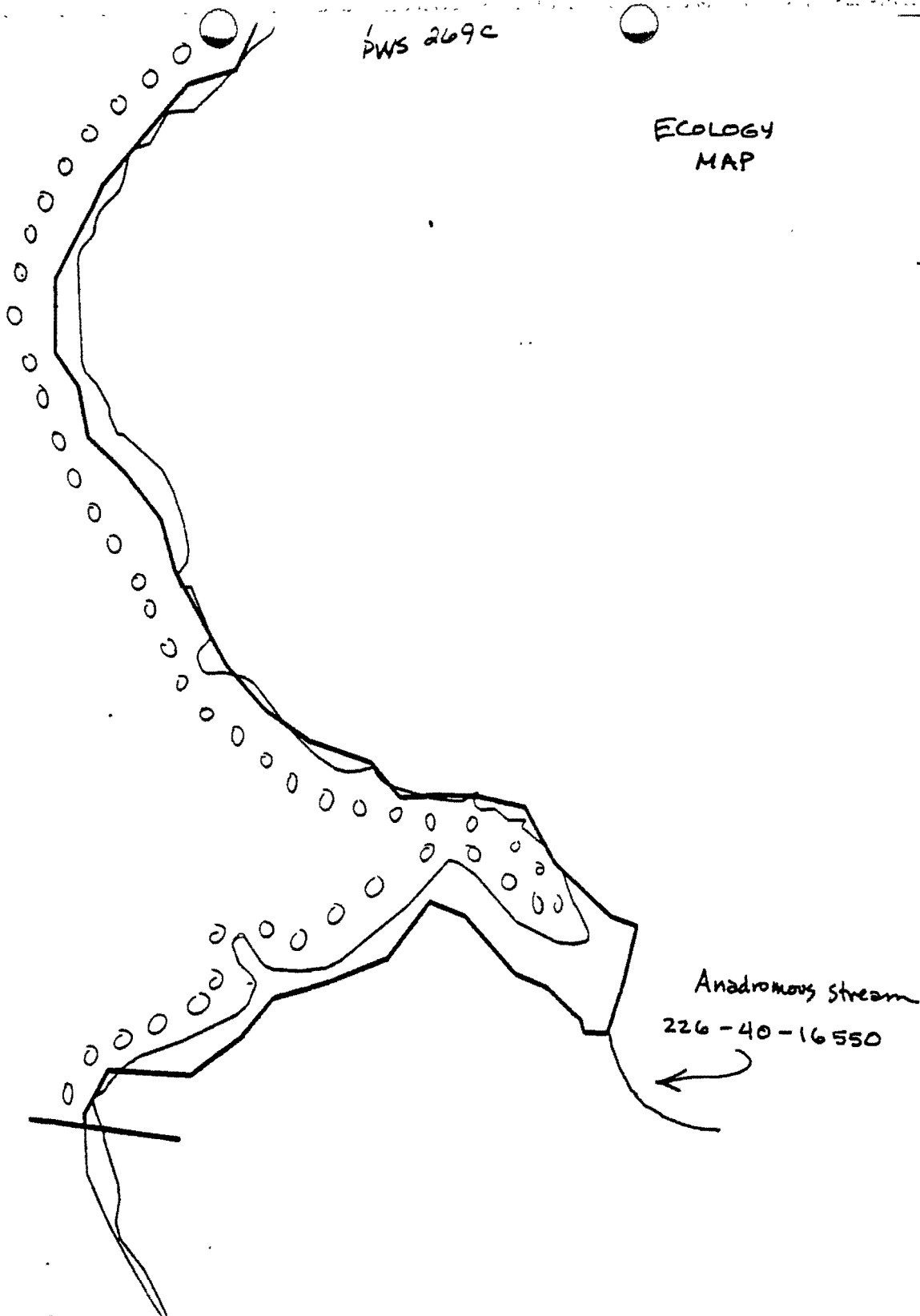
A+ The first stream there was an extensive beach comprised of cobbles and pebbles. There were some barnacles on cobbles, and Fucus has accumulated (as drift) near the mouth of the stream, but the beach was mostly barren. No oil was found nearby.

Two (and possibly three) anadromous streams were in one cove, as noted below. A band of asphalt was found 40m from one stream, with a scattered mussel bed below.



PWS 269c

ECOLOGY  
MAP



XXXX Wide

//// Medium

---- Narrow

TTTT Very Light

OOOO No Oil

EV-7

ADEC Segment Length: 5439m



Map Key: PWS-269a

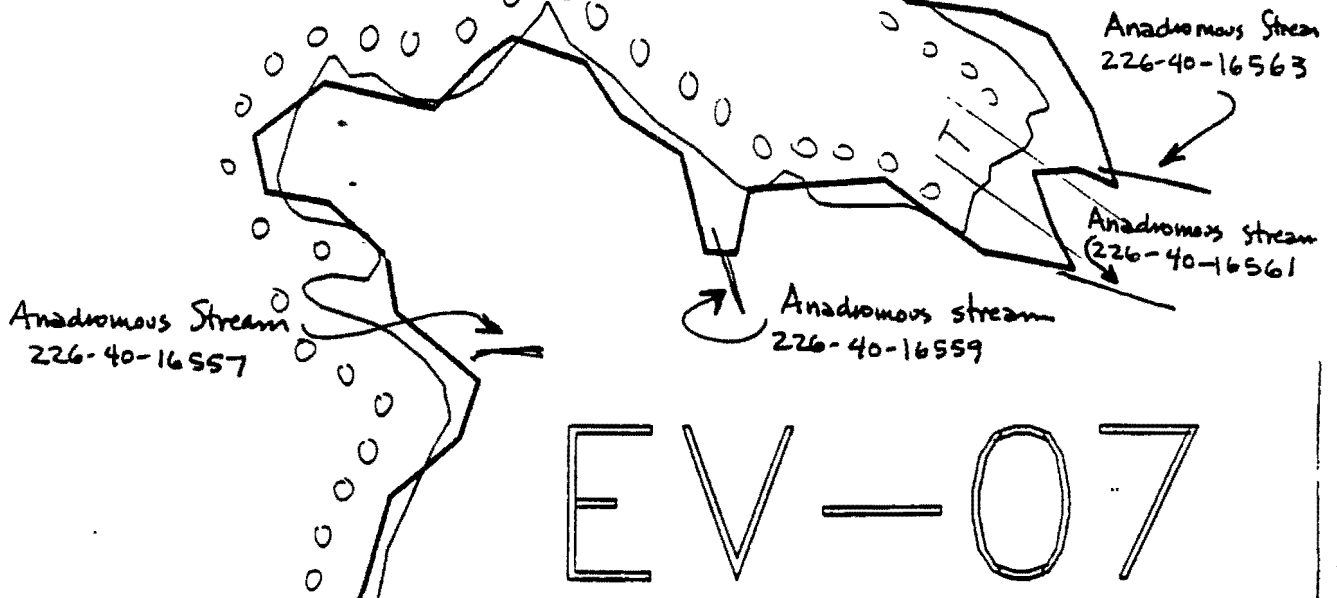
Name: Mike Foye

Date: 4/7/90

Data Entered:

ACE 7237670

# ECOLOGY MAP



EV-07

XXXX Wide

//// Medium

---- Narrow

TTTT Very Light

0000 No Oil

EV-7

AOEC Segment Length: 5439m

0 100 200 300  
METERS

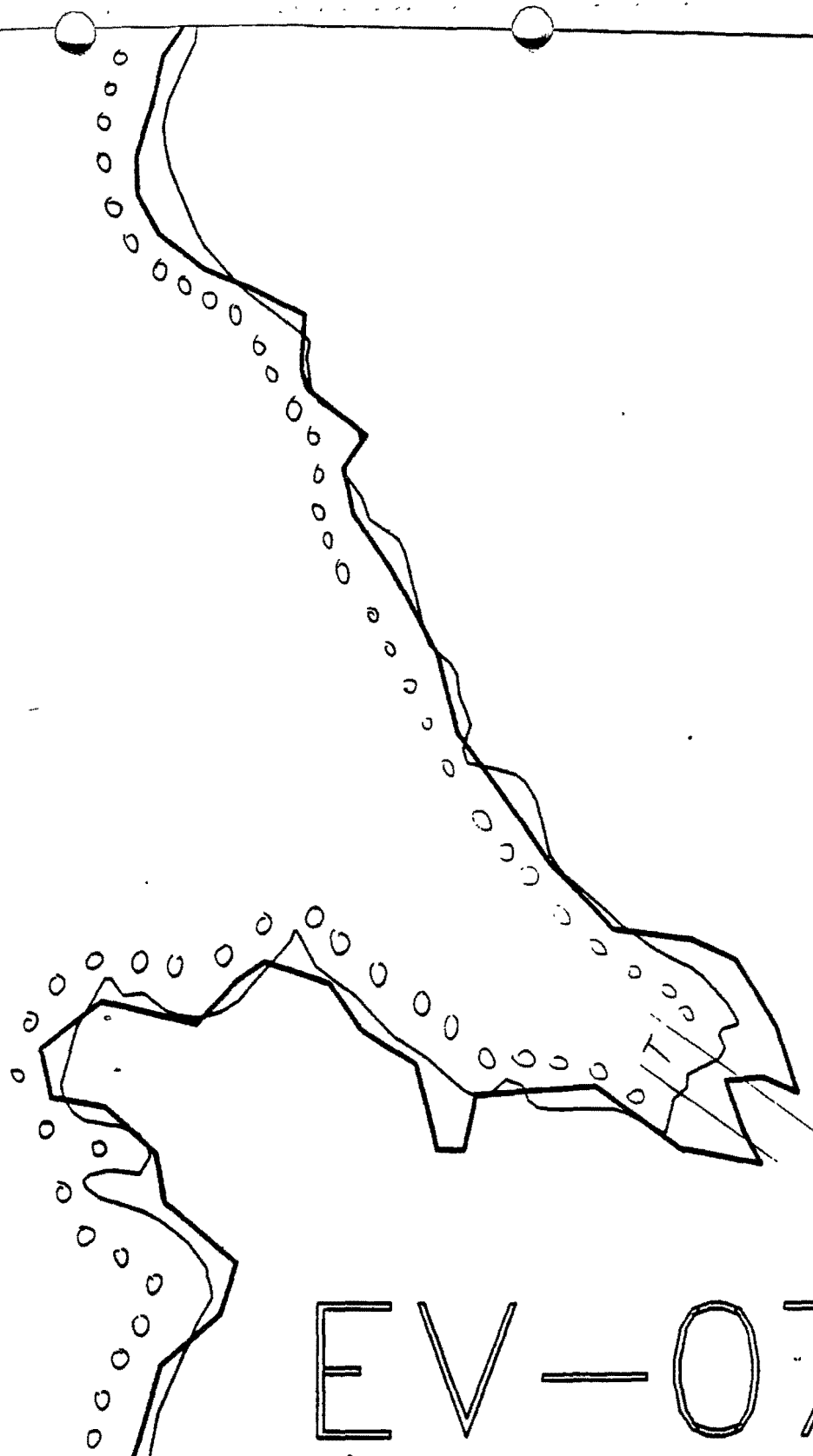
Map Key: PWS-269c

Name: Mike Fogel

Date: 4/7/90

Data Entered:

ACE 7237671



XXXX Wide

//// Medium

---- Narrow

TTTT Very Light

0000 No Oil

EV-7

ADEC Segment Length: 5439m



Map Key: PWS-269c

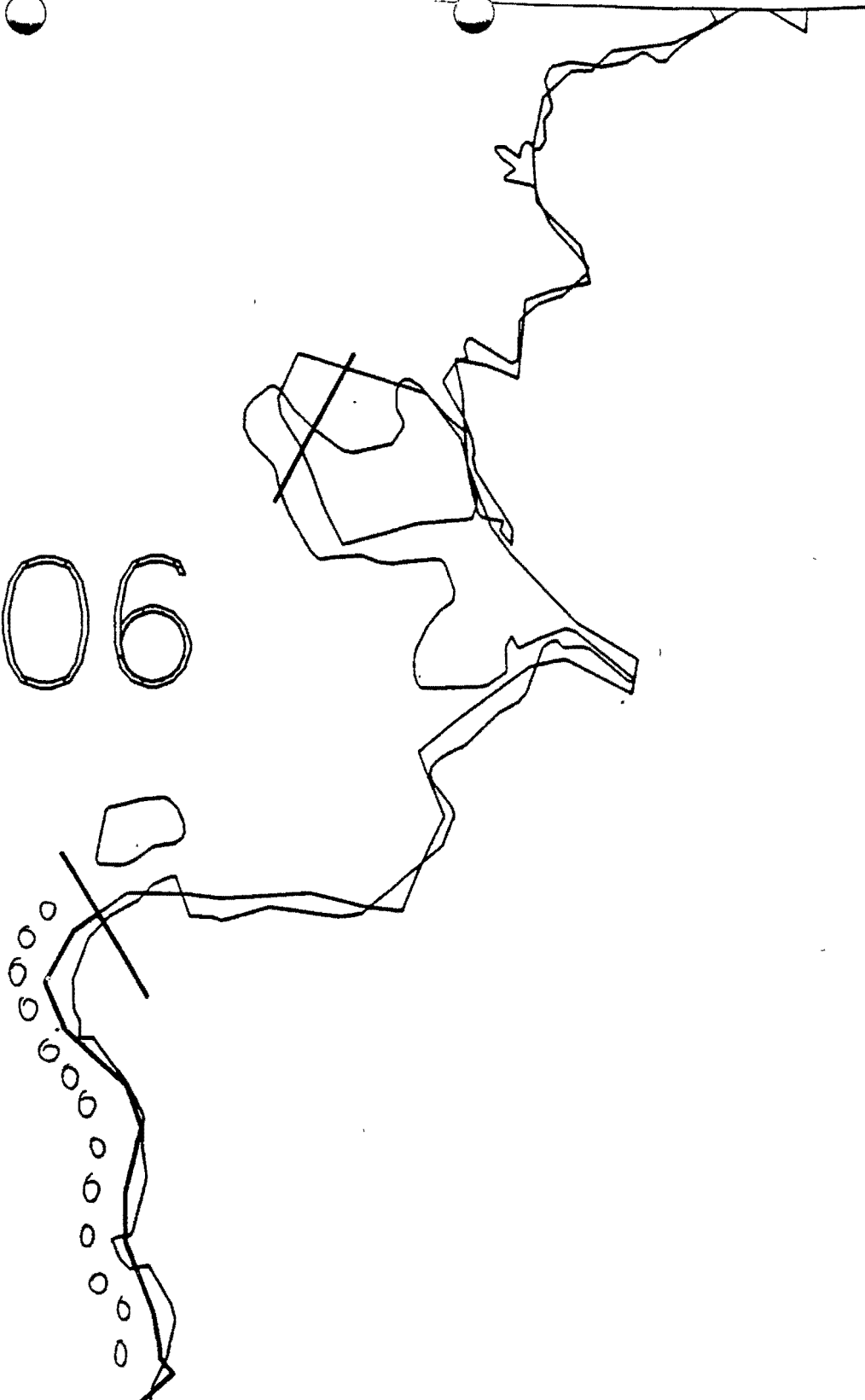
Name: Mike Fogel

Date: 4/7/90

Date Entered:

ACE 7237672

EV-06



XXXX Wide

//// Medium

---- Narrow

TTTT Very Light

0000 No Oil

EV-7

ADEC Segment Length: 5439m



Map Key: PWS-269e

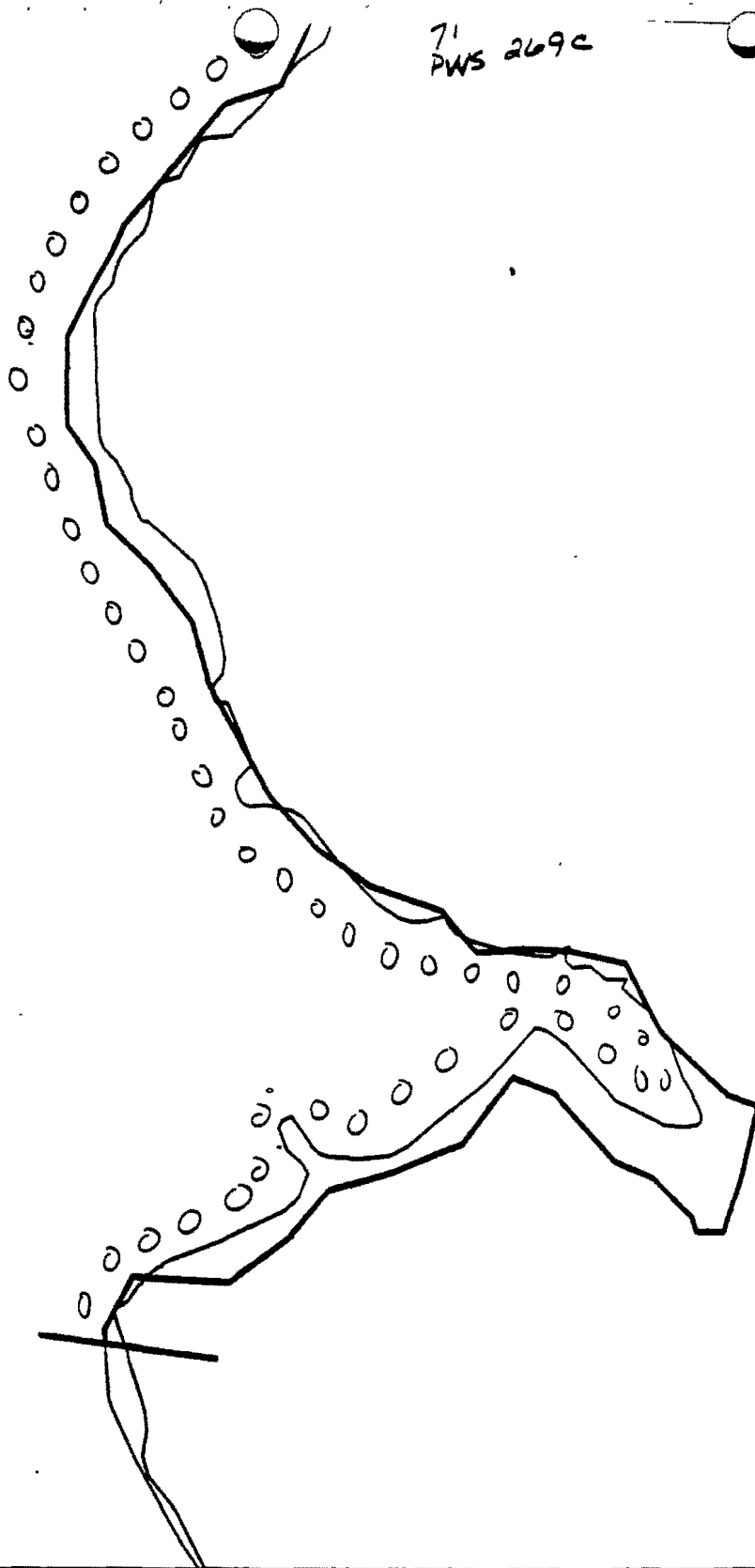
Name: Mike Fogel

Date: 4/7/90

Date Entered:

ACE 7237673

71  
PWS 269c



XXXX Wide

//// Medium

---- Narrow

TTTT Very Light

OOOO No Oil

EV-7

ADEC Segment Length: 5439m

0 100 200 300  
METERS



Map Key: PWS-269a

Name: Mike Foyer

Date: 4/7/90

Data Entered:

ACE 7237674-15



OFFICIAL PHOTOGRAPH ADF&G EXXON VALDEZ OIL SPILL

OFFICE: VALDEZ

DATE: 09/20/89

TIME: -0-

SEGMENT#: -0-

STATION#: -0-

LOCATION: EVANS ISLAND

REASON FOR TAKING PHOTO:H. AERIAL INTERTIDAL  
(147°59'30"/60°07'00")

TAKEN BY: RICK GUSTIN

INITIALS: \_\_\_\_\_

ROLL #: 89RLG009V FRAME #: 19

EVIDENCE ID#: 10212

ACE 7237660

ANADROMOUS FISH STREAM EVALUATION

SEGMENT ST/ EV-07 STREAM NO: 226-40-16559 DATE 4/22/90

**SEGMENT ENVIRONMENTAL SENSITIVITIES AND TIME CONSTRAINTS:**

Salmon stream no's: 226-40-16550 (P, 12/89), 226-40-16563 (Ps, 12/89),  
226-40-16557 (Ps, 12/89), 226-40-16561 (Ps, 12/89)

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

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

5T-1 All bald eagle nests (3/1 to 6/1)-Active eagle nests (3/1 to 9/1)

6V Recreation: Anchorages (6/1 to 9/15)

7II Subsistence area: Deer harvesting (8/15 to 2/28)

See attached Ecological Constraint sheet for specific constraints and contacts.

**SUBDIVISION ECOLOGICAL CONSTRAINTS:**

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

**ARCHAEOLOGICAL CONSTRAINTS:**

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

SHPO SIGNATURE: J. David McArthur DATE: 5/8/90

Subsurface Oil Observed: Yes \_\_\_\_\_ No X Maximum Depth \_\_\_\_\_

**RECOMMENDATIONS:**

X No Treatment Recommended

\_\_\_\_\_ Treatment Recommended

\_\_\_\_\_ Manual Pickup

\_\_\_\_\_ Bioremediation

\_\_\_\_\_ Tarmat Removal

\_\_\_\_\_ Snare/Absorbent Booms

\_\_\_\_\_ Oil Snares (pom poms)

\_\_\_\_\_ Absorbents (pads, rolls, etc)

\_\_\_\_\_ Spot Washing: \_\_\_\_\_ Wands

\_\_\_\_\_ Beach Cleaner

\_\_\_\_\_ Other (see comments)

COMMENTS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

TAG COMMENTS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

TAG APPROVAL DATE: 5/7/90

ADEC Art Weimer Art Weimer

EXXON Andy Galt Andy Galt

NOAA Gary Pattee Gary Pattee

USCG G.A. Reiter G.A. Reiter

FOSC: W L DATE: 5-8-90

ACE 7237675 +15

*Processed  
5/7/90  
MK*

**RECEIVED**  
MAY 03 1990

DEPT. OF  
ENVIRONMENTAL CONSERVATION

**ANADROMOUS FISH STREAM ASSESSMENT**

**REGION: PRINCE WILLIAM SOUND**

**SEGMENT: EV-07**

**STREAM NO: 226-40-16559**

*Concur*

ACE 7237676

ANADROMOUS FISH STREAM EVALUATION

SEGMENT ST/ EV-07 STREAM NO: 226-40-16559 DATE 4/22/90

**SEGMENT ENVIRONMENTAL SENSITIVITIES AND TIME CONSTRAINTS:**

Salmon stream no's: 226-40-16550 (P, 12/89), 226-40-16563 (Ps, 12/89),  
226-40-16557 (Ps, 12/89), 226-40-16561 (Ps, 12/89)

- 1A Salmon stream mouth - fry outmigration (3/1 to 5/15)
- 1B Salmon stream mouth - spawning (7/10 to 8/31)
- 5T-1 All bald eagle nests (3/1 to 6/1)-Active eagle nests (3/1 to 9/1)
- 6V Recreation: Anchorages (6/1 to 9/15)
- 7II Subsistence area: Deer harvesting (8/15 to 2/28)

See attached Ecological Constraint sheet for specific constraints and contacts.

**SUBDIVISION ECOLOGICAL CONSTRAINTS:**

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

**ARCHAEOLOGICAL CONSTRAINTS:**

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

SHPO SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

Subsurface Oil Observed: Yes \_\_\_\_\_ No X Maximum Depth \_\_\_\_\_

**RECOMMENDATIONS:**

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

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

TAG COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

TAG APPROVAL DATE: \_\_\_\_\_

ADEC \_\_\_\_\_  
EXXON \_\_\_\_\_  
NOAA \_\_\_\_\_  
USCG \_\_\_\_\_

FOSC: \_\_\_\_\_ DATE: \_\_\_\_\_

ACE 7237677

- 1A Salmon stream mouth - fry outmigrant (3/1 to 5/15)
- 1B Salmon stream mouth - spawning (7/1 to 8/31)
- No disturbance of stream bed or banks unless authorized by ADF&G. No beach flushing into stream drainage. No bioremediation or other chemical application within 100m of stream without authorization from ADF&G. No use of methods which might affect nearshore oil or toxicity levels, such as hot water wash or Inipol application, prior to at least July 1 unless authorized by ADF&G. Treatment which is not intrusive and which will not affect nearshore oil or toxicity levels, such as manual removal, can probably proceed without adherence to time constraints. In any case, contact ADF&G Habitat Division prior to treatment for consultation and/or permit application.
- AGENCY CONTACT PERSON: ADF&G John Morison 267-2324
- 1C Salmon fry nursery area (4/31 to 7/31)
- No use of methods which might affect nearshore oil or toxicity levels, such as hot water wash or Inipol application, prior to July 31 unless authorized by ADF&G. Treatment which will not affect nearshore oil or toxicity levels, such as manual or mechanical removal, can probably proceed without adherence to time constraints. Contact ADF&G prior to treatment for confirmation and advice.
- AGENCY CONTACT PERSON: ADF&G Larry Peltz 424-3214
- 1D Esther Hatchery release (4/15 to 6/15)
- 1E Main Bay Hatchery release (4/20 to 6/15)
- 1F Sawmill Bay Hatchery release (4/15 to 6/1)
- 1G Cannery Creek Hatchery release (4/21 to 6/1)
- 1H Remote release site
- No use of methods which might affect nearshore oil or toxicity levels, such as hot water wash or Inipol application, prior to at least July 1 unless authorized by ADF&G and/or PWS Aquaculture Association. Treatment which will not affect nearshore oil or toxicity levels, such as manual or mechanical removal, can probably proceed without adherence to time constraints. Contact ADF&G or PWS Aquaculture Association for confirmation and authorization.
- AGENCY CONTACT PERSON: 1E ADF&G Larry Peltz 424-3214  
1D 1F 1G PWS Aquaculture Association John McMillan or Bruce Suzumoto 424-7511
- 1I Gill net area (6/7 to 8/31)
- 1J Purse seine area (7/20 to 9/30)
- 1K Purse seine hook-off (7/20 to 9/30)
- 1L Set net sites (6/11 to 7/25)
- Contact ADF&G for specific dates, locations and constraints. Restrict boat and air traffic to essential minimum. When set net sites are present (1L) restrict beach operations to essential minimum as authorized by ADF&G. If plans for treatment include methods such as hot water wash or Inipol application which might affect nearshore oil or toxicity levels, contact ADF&G for consultation and authorization.
- AGENCY CONTACT PERSON: ADF&G James Brady 424-3212
- 2M Herring spawning (4/1 to 6/15)
- Contact ADF&G for confirmation - dates and locations may vary. Restrict boat traffic to essential minimum. Avoid damage to uncoiled intertidal and subtidal algae and seagrass. If plans for treatment include methods such as hot water wash or Inipol application which might affect nearshore oil or toxicity levels, contact ADF&G for consultation and authorization.
- AGENCY CONTACT PERSON: ADF&G Evelyn Biggs 424-3235
- 3N, 3P Harbor seal and sea lion pupping (5/15 to 7/1)
- 3O, 3Q Harbor seal and sea lion molting (8/15 to 9/15)
- Restrict boat and air traffic to essential minimum. No personnel within 400m. Aircraft to maintain 800m horizontal and 300m vertical distance from haulouts. No application of Inipol within two weeks of arrival dates (work window at these sites is limited to 7/2 to 7/31)
- Contact ADF&G and USFWS prior to treatment for confirmation.
- AGENCY CONTACT PERSON: US National Marine Fisheries Service Steve Zimmerman 586-7235  
ADF&G Don Calkins 267-2403
- 5R Seabird colony (5/1 to 9/1)
- Restrict air and boat traffic to essential minimum. No personnel within 800m. Aircraft to maintain 800m horizontal, 300m vertical distance from colony. Contact USFWS prior to treatment.
- AGENCY CONTACT PERSON: USFWS Jill Parker 786-3377
- 5S Shorebird/waterfowl concentration (4/1 to 5/15)
- Restrict all activity to essential minimum, especially air traffic. Contact USFWS and ADF&G for confirmation.
- AGENCY CONTACT PERSON: USFWS Jill Parker 786-3377  
ADF&G Tom Roth 267-2208
- ✓ 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 (8/1 to 9/15)
- ✓ 6V Anchorages (8/1 to 9/15)
- 6W Forest Service cabins (8/1 to 9/15)
- 6X Lodge (8/1 to 9/15)
- 6Y Special use destination
- 7Z Subistence area: Salmon harvesting (5/1 to 9/30)
- 7HH Finfish harvesting
- ✓ 7I Deer harvesting (8/15 to 2/28)
- 7JJ Invertebrate harvesting
- Contact ADF&G and appropriate Native Corporation for specific dates, locations, and constraints. Restrict boat and air traffic and beach disturbance to essential minimum. If plans for treatment include methods such as hot water wash or application of Inipol which might affect intertidal or nearshore oil or toxicity levels, contact ADF&G and appropriate Native Corporation for authorization - see Native Corporation Contact List for each Native Corporation's contact person.
- AGENCY CONTACT PERSON: ADF&G Jim Fall 267-2359

6/55

## FIELD SHORELINE COMMENT SHEET

SEGMENT ST EV 007 SUBDIVISION: 16 65 9 DATE 4/22/90

USCG

NAME

Cub McNamee

SIGNATURE

[Signature]☒ NO TREATMENT RECOMMENDED  
COMMENTS☐ TREATMENT SUGGESTED

ADFC

ABEC

MICHAEL WIEDMER

NAME

No team member

SIGNATURE

[Signature]☒ NO TREATMENT RECOMMENDED  
COMMENTS☐ TREATMENT SUGGESTED

LAND MANAGER

NAME

No team member

SIGNATURE

[Signature]☐ NO TREATMENT RECOMMENDED  
COMMENTS☐ TREATMENT SUGGESTED

4/55

ASC # 226-40-16559

Segment EV-007

Observations The only observed oil impacts at this site were 3 to 4 widely scattered tar splatters and one asphalt chunk 8 cm in diameter.

Treatment Recommendations If future observations do not reveal significant quantities of buried oil, no treatment is recommended.

OG WILLIAM LEID USCG McMAHON SEGMENT ST/ EV007  
 BIO MICHAEL FAWCETT LAND REP Tom CLOWE ADFG STRIP 226-40-165501 OF  
 EXXON Gus GARCIA ADFG MIKE WIDDER TIME 18:00 to 19:20  
 TEAM NO. 15 TIDE LEVEL 1 FT DATE 22 / APR / 90  
 EST. SUBDIVISION LENGTH: 40 m ☒ Sun ☐ Clouds ☐ Fog ☐ Rain ☐ Snow  
 UPLANDS DESCRIPTION: ☐ Grass ☒ Forest ☒ Rock  
 SURVEYED FROM: ☒ Foot ☐ Boat ☐ Helo  
 SURFACE SEDIMENTS: R 0 % S 10 % C 45 % P 45 % G 0 % M 0 % V 0  
 SLOPE: Long 2.5 % Hang 2.5 % Vert 0 % WAVE EXPOSURE: ☒ Low ☐ Med ☐ Hg  
 OIL CATEGORY LENGTH: W 0 m M 0 m N 0 m VL 0 m NO 4

### SURFACE OIL

| CHARACTER        | DISTRIBUTION |   |   |   | OIL / FILM COLOR |   |   |   | IMPACTED ZONES |   |    |    |
|------------------|--------------|---|---|---|------------------|---|---|---|----------------|---|----|----|
|                  | 0            | 1 | 2 | 3 | 4                | 5 | 6 | 7 | 8              | 9 | 10 | 11 |
| ASPHALT PAVEMENT |              |   |   |   |                  |   |   |   |                |   |    |    |
| POOLED           |              |   |   |   |                  |   |   |   |                |   |    |    |
| COVER            |              |   |   |   |                  |   |   |   |                |   |    |    |
| COAT             |              |   |   |   |                  |   |   |   |                |   |    |    |
| STAIN            |              |   |   |   |                  |   |   |   |                |   |    |    |
| MOUSSE           |              |   |   |   |                  |   |   |   |                |   |    |    |
| PATTIES          |              |   |   |   |                  |   |   |   |                |   |    |    |
| TARBALLS         |              |   |   |   |                  |   |   |   |                |   |    |    |
| FILM             |              |   |   |   |                  |   |   |   |                |   |    |    |
| NO OIL           | NONE         |   |   |   |                  |   |   |   | X              | X | X  | X  |

PAVEMENT H F S 0 sq. m by 0

PATTIES / TARBALLS 0 B

NEAR SHORE SHEEN? NO BR RW SL

| OILED DEBRIS | AMOUNT |    |    |
|--------------|--------|----|----|
|              | SM     | MD | LG |
| Logs         |        |    |    |
| Vegetation   |        |    |    |
| Trash        |        |    |    |
| Debris       |        |    |    |

Did You Collect DEBRIS  
☐ YES ☒ NO

TYPE

#BAGS

Photographs:

Roll No.

Frames

### SUBSURFACE OIL

| PIT NO. | PIT DEPTH (cm) | SUBSURFACE OIL CHARACTER |    |    |    |    | OILED INTERVAL | BELOW |    | OIL / FILM COLOR |   |   |   | PIT ZONE |   |    |    | A N A | SHEEN (Y/N) | V | SURFAC SUBSURF / SEDIMENT |
|---------|----------------|--------------------------|----|----|----|----|----------------|-------|----|------------------|---|---|---|----------|---|----|----|-------|-------------|---|---------------------------|
|         |                | OP                       | OR | OL | OF | NO |                | 10    | 20 | 4                | 5 | 6 | 7 | 8        | 9 | 10 | 11 |       |             |   |                           |
| 1       | 70             |                          |    |    |    | X  | .              |       |    |                  |   |   |   | X        |   |    |    |       | N           |   | P/G-L                     |
| 2       | 25             |                          |    |    |    | X  | .              |       |    |                  |   |   |   | X        |   |    |    |       | N           |   | P/G-L                     |
|         |                |                          |    |    |    |    | .              |       |    |                  |   |   |   |          |   |    |    |       |             |   |                           |
|         |                |                          |    |    |    |    | .              |       |    |                  |   |   |   |          |   |    |    |       |             |   |                           |
|         |                |                          |    |    |    |    | .              |       |    |                  |   |   |   |          |   |    |    |       |             |   |                           |
|         |                |                          |    |    |    |    | .              |       |    |                  |   |   |   |          |   |    |    |       |             |   |                           |

COMMENTS

REVIEWED JW DATE 4-24

ACE 7237681

13/55

Segment EV007  
Stream 226-40-16559  
Ecological Summary

4/22/90  
Michael Fawcett

This small stream has vertical bedrock walls at the mouth on the east side, and a boulder/cobble/gravel beach on the west side. There are very dense barnacle populations on the bedrock from LTZ to UTZ and on the cobbles and boulders in LTZ. Two harbor seals swimming nearby. No cleanup needed.

*Michael Fawcett*

PWS 269c

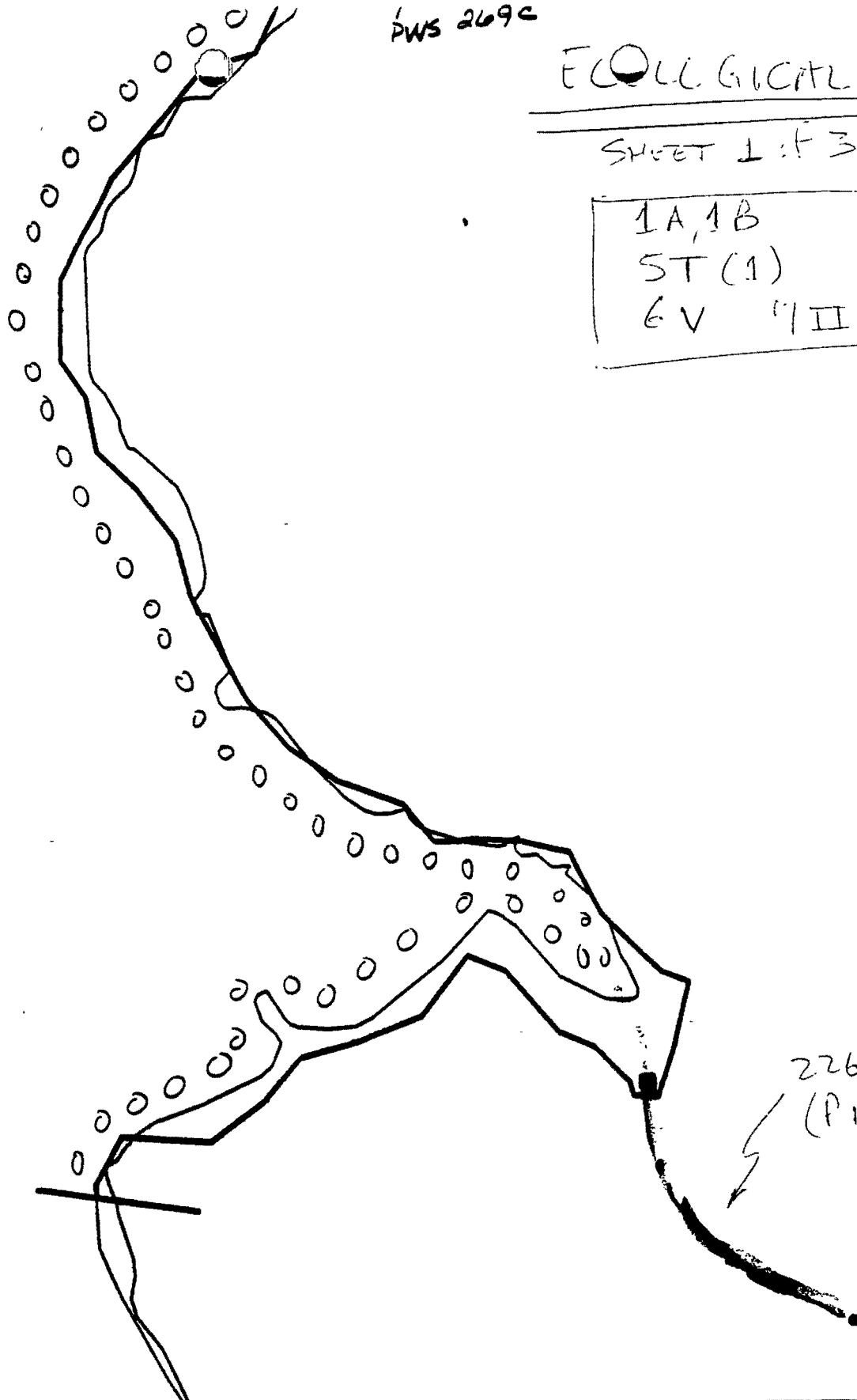
ECOLOGICAL DATA

SHEET 1 of 3

1A, 1B

ST (1)

EV 1/II



226-40-1652  
(P12/E1)

XXXX Wide

//// Medium

---- Narrow

TTTT Very Light

0000 No Oil

EV-7

ADEC Segment Length: 5439m



METERS

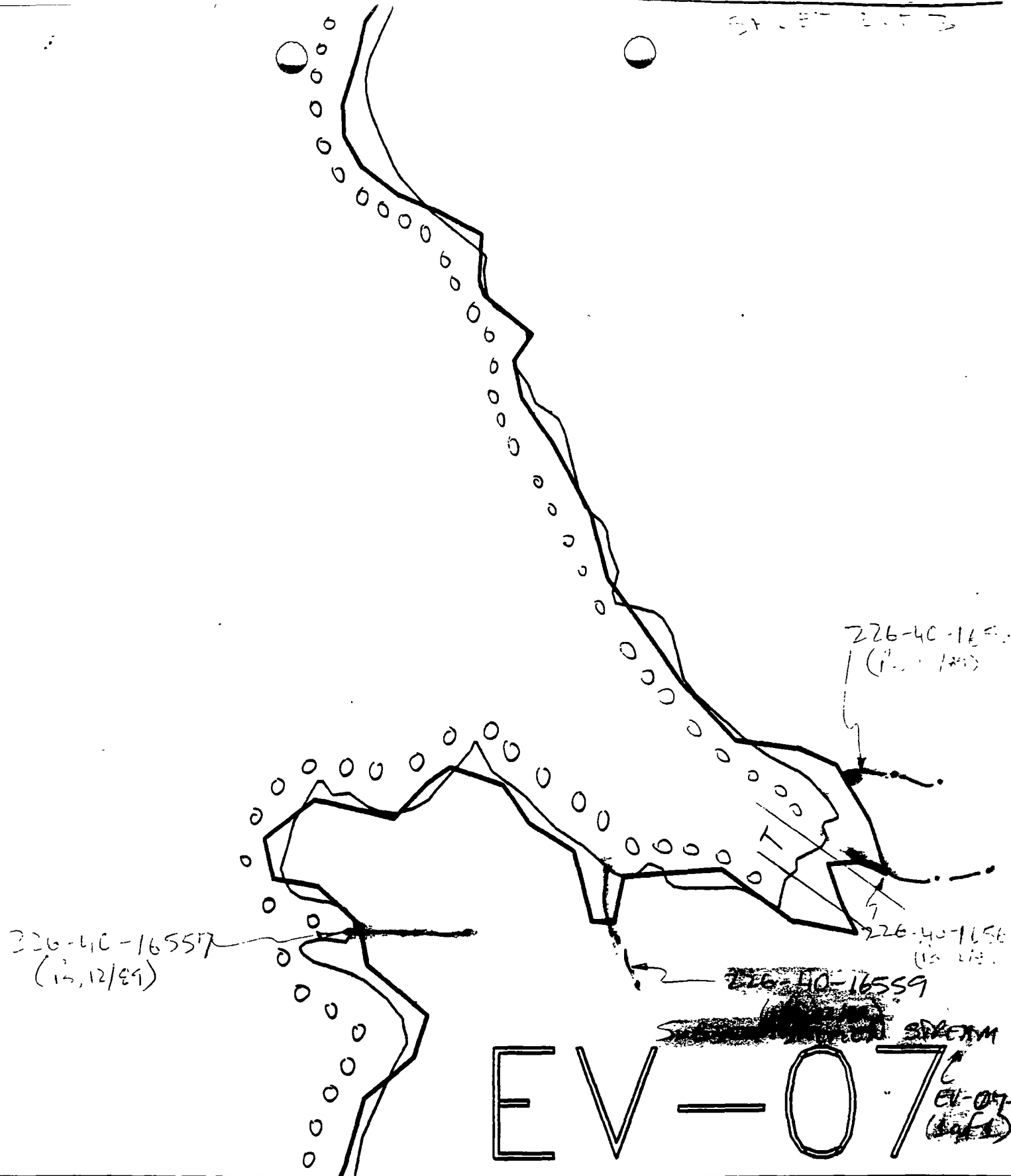
Map Key: PWS-269a

Name: Mike Foyer

Date: 4/7/90

Data Entered:

ACE 7237683



EV-07

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

EV-7

ADEC Segment Length: 5439m

0 100 200 300  
METERS

Map Key: PWS-269c

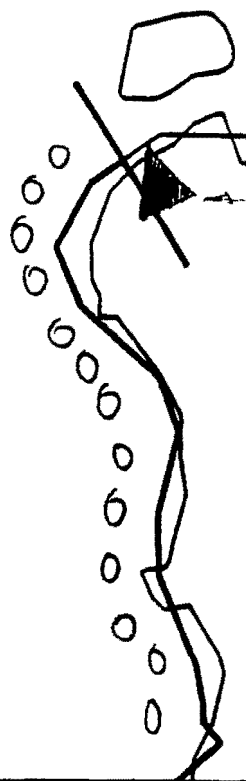
Name: Mike Foget

Date: 4/7/90

Data Entered:

ACE 7237684

EV-06



BALD EAGLE  
NEST

XXXX Wide

//// Medium

---- Narrow

TTTT Very Light

0000 No Oil

EV-7

ADEC Segment Length: 5439m



Map Key: PWS-269a

Name: Mike Foget

Date: 4/7/90

Data Entered:

ACE 7237685

7/55

## ADPAC MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: 05 35 03 T3 AVS SCN MMS PTA2 REGION: PYS XP,CI K,APMETHOD: Aerial Ground Boat3 DATE: 4/22/90 15 HIGH TIDE TIMES: 1205 1 -21 TEAM RECORDER: M. Wiedner4 START TIME: 1650 16 HIGH TIDE HTS: 10.0' 1 -22 OBSERVERS: T. CROWC5 STOP TIME: 1705 17 LOW TIDE TIMES: 0603 1 181423 AGENCY: ADPAC6 SEGMENT #: EV-007 18 LOW TIDE HTS: 1.0' 1 0.7'24 PHOTOS TAKEN: Y (N)7 STATION #: 226-40-1659 19 TIDE HT AT SURVEY: \_\_\_\_\_

Roll #: \_\_\_\_\_ Frame: \_\_\_\_\_

8 K-UNIT: \_\_\_\_\_ ebb Stack Flood Stack25 VIDEO TAKEN: Y (N) TAPES: \_\_\_\_\_9 STAT AREA: \_\_\_\_\_ 20 USCG QUAD: SEWARD A3

Starts: \_\_\_\_\_ Ends: \_\_\_\_\_

10 LAT: \_\_\_\_\_ 11 LONG: \_\_\_\_\_

26 SAMPLES TAKEN: Y (N) Number \_\_\_\_\_12 SOURCE: Map Loran

011 \_\_\_\_\_

13 LOCATION: IKTUA BAY, WEST SIDE EVANS IS.

Sediment \_\_\_\_\_

14 DESCRIPTION: \_\_\_\_\_

Biological \_\_\_\_\_

Water \_\_\_\_\_

## EXTENT OF OIL

|                     | SHORELINE |    |   |      | STREAM |   |   |   |
|---------------------|-----------|----|---|------|--------|---|---|---|
|                     | L         | V  | H | N    | L      | V | H | N |
| 27 SURFACE COVERAGE | 100       | 60 |   | 40.1 | 60     | 2 |   | 0 |

36 CATALOGED ANAS. FISH SKELETON (Y) N37 CATALOG #: 226-40-1659 Sum

38 STREAM NAME: \_\_\_\_\_

28 SURFACE THICKNESS

39 OIL IN STREAM BED: Y (N)

29 PENETRATION

40 OIL ON STREAM BANKS: (Y) N30 OVERALL OIL IMPACT: N (VL) L N N41 OIL ON BEACH ADJACENT TO MOUTH (within 50 meters) (Y) N31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Slain42 OIL WITHIN 1 MILE OF STREAM (Y) N32 OILED DEBRIS: Y (N)

Where: \_\_\_\_\_

33 SHORELINE TYPE: Hardland Low-lying Rocks Beach Cave43 ANAEROBIC FISH PRESENT? (Y) NLagoon MarshFEY PRESUMED34 WAVE EXPOSURE: High Moderate (Low)

44 ANAEROBIC FISH OBSERVATION

35 SUBSTRATE TYPE: Bedrock 10 Boulder 20 Cobble 35Species Aerial GroundGravel 35 Sand \_\_\_\_\_ Mud/silt \_\_\_\_\_

|  |  |  |
|--|--|--|
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

COMMENTS: 3-4 TAR SPLATTERS WIDELY SCATTEREDTHROUGH INTERTIDAL ZONE. EXTREMELY LOW IMPACT OBSERVED.

ACE 7237686

## 48 PHOTOLOG

FRAME(S)

DESCRIPTION

RECOMMENDATIONS: NO TREATMENT REQUIRED

I agree with recommendations. M. J. Fawcett

## 48 OIL DISTRIBUTION DIAGRAM

3-4 TAR SPATTERS (MAXIMUM DIAMETER  
10 CM) FOUND IN ENTIRE INTERTIDAL  
ZONE

