

KN-601 ASC: 226-40-16855
Mummy Bay

53

R 45

ACE 1369633

- Prince William Sound

DOCUMENTS IN STREAM FILES

ASC# _____ Segment # _____

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

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

ACE 7379376
+1F/SILT/FF/-1/S



ANADSCAT-90

#5
47/63

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: 4/27/90 15 HIGH TIDE TIMES: 1 21 TEAM RECORDER: TOM CROWE

4 START TIME: 1100 16 HIGH TIDE HTS: 1 22 OBSERVERS: MIKE LORIMER

5 STOP TIME: 1120 17 LOW TIDE TIMES: 1 23 AGENCY: ADFTG (ANADSCAT)

6 SEGMENT #: KN601 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#: Start: End:

9 STAT AREA: 20 USCG QUAD: SEW A-3

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

12 SOURCE: Map Loran 011

13 LOCATION: Mummy Bay Sediment

14 DESCRIPTION: Biological

Water

EXTENT OF OIL

	SHORELINE				STREAM			
	L	W	M ²	%	L	W	M ²	%
27 SURFACE COVERAGE								
28 SURFACE THICKNESS								
29 PENETRATION								

30 OVERALL OIL IMPACT: N VL L M H

31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain None

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 ✓ Gravel ✓ Sand Mud/silt ✓

36 CATALOGED ANAD. FISH STREAM? Y N

37 CATALOG #: 226-40-16855

38 STREAM NAME:

39 OIL IN STREAM BED? Y N

40 OIL ON STREAM BANKS? Y N

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

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

43 ANADROMOUS FISH PRESENT? Y N

44 ANADROMOUS FISH OBSERVATION

Species	Aerial	Ground

COMMENTS: NO SIGN OF OIL

I agree: M H Fawcett

ACE 7379400 +/s/sz

NAME(S)

DESCRIPTION

RECOMMEND: NO TREATMENT46 OIL DISTRIBUTION DIAGRAMMummy Bay
226-40-16855

KN 601

ANAD SCAT 4/27/9

NO SIGN
OF OIL

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

ASC NUMBER: 226-40-16855
 SURVEY TYPE:
 METHOD:
 DATE: 4/27/90
 START TIME:
 STOP TIME:

TEAM RECORDER:
 OBSERVERS:

AGENCY(IES):

WAVE EXPOS:

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							No oil
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: 2264016855							
SEGMENT#: KN601							
LOCATION: KNIGHT ISLAND, MUMMY BAY							
DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS
04/27/90	ANADSCAT	1	SURFACE			NO OIL	
MAD vs. OG: COMMENTS: NO SIGN OF OIL. RECOMMENDATIONS: NO TREATMENT. OIL WITHIN 1 MILE OF STREAM: NO N							

CATALOG NUMBER: 2264016855							
SEGMENT#: KN601							
LOCATION: KNIGHT ISLAND, MUMMY BAY							
DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS
04/27/90	OG'S ANADSCAT	1				NO OIL.	PIT #1 NO OIL.
MAD vs. OG: AGREE. COMMENTS:							

CATALOG NUMBER: 2264016855

SEGMENT NUMBER: KN601 ¹

STREAM NAME:

SHORELINE TYPE:

LOCATION: KNIGHT ISLAND, MUMMY BAY

DATE: 04/27/90

TIME: COVE -1120

SITE	WIDTH (m)	LENGTH (m)	AREA (sqm)	PERCENT OIL	THICKNESS (cm)	PENETRATION (cm)	SURFACE SUBSURF	OIL TYPES	COMMENTS
1							SURFACE	NO OIL	

COMMENTS:

NO SIGN OF OIL. ~~I AGREE: MH FAWCETT.~~

RECOMMENDATIONS: NO TREATMENT.

STREAM BANKS: NO

MILE OF STREAM: NO

OIL ON
OIL WITHIN 1

OG SUPPLEMENTAL INFO TO MAD

RECORDER: Fink

RED-DATE: 10/8/91

PAGE

CATALOG NUMBER: 226-48-16855
STREAM NAME:
LOCATION:

SEGMENT NUMBER: *KN601A*
SHORELINE TYPE:
DATE: TIME:

OG vs. MAD:

[illegible]

FOLDER

ACE 1369632

INVENTORY

NUMBER(S)

1369633

[illegible]

ACE 7379375 -/L

SUMMARY SHEET
FOR DIFFICULT-TO-COPY ITEMS

ALASKA/CIVIL EXXON

Folder ACE # 1369633

CDP BOX # 12,306

Begin ACE Number 7379378 End ACE Number Bien

DOCUMENT TYPE:

 BOOK

 BLUEPRINT

 X PHOTOS

 VIDEO

 SLIDES

 AUDIO CASSETTE

 MAP OR CHART

 OTHER-Identify document type

 COMPUTER PRINTOUT

MARGINALIA: YES NO

AUTHOR: Rich Austin

DATE OF PUBLICATION: 9/15/89

VERBATIM TITLE:

INFERRED TITLE: Official Photograph ADF&K
Exxon Valdez Oil Spill - off ice Valdez - Time - 0 -
Segment: - 0 - Station: - 0 -
Location: Mummy Bay, Knight Island -
Roll #: 89 RL 4007V, Frame #: 30
Evidence ID# 10210

ADDITIONAL INFORMATION: Reason for taking photo:
Documenting Undocumented Salmon Spawning
Site (147° 47' 45" / 60° 14' 36") Aerial photo)

Final Anadromous Stream Treatment Information

Segment ID - Stream ID	NTR	Bio	Bio Start	Bio End	Man	Man Start	Man End
K0911-CD020 262-10-10080					X	6/28/90	6/28/90
K0911-CD020 262-10-10092					X	6/28/90	6/28/90
K0917-CC100 262-15-10040	X						
K0919-HB001 262-20-10040					X	6/12/90	6/14/90
K0919-HB004 262-20-10030	X						
K1002-AB002 262-65-655					X	7/7/90	7/8/90
K1007-PB001 262-70-10025					X	6/23/90	6/24/90
K1007-PB016 262-70-10010					X	7/10/90	7/10/90
K1009-DB008 262-75-10020	X						
KN0103 226-10-16922		X	7/7/90	9/1/90	X	7/7/90	7/7/90
KN0106 226-10-16890					X	6/30/90	6/30/90
KN0110 226-10-16928	X						
KN0120 226-10-16940	X						
KN0129 226-10-16975					X	5/30/90	5/30/90
KN0129 KN0129-UNCAT		X	6/19/90	6/19/90	X	5/30/90	5/30/90
KN0132 226-10-16982		X	6/19/90	9/11/90	X	5/26/90	5/29/90
KN0134 226-30-16865		X	6/23/90	6/23/90	X	6/23/90	6/23/90
KN0201 226-30-16872					X	6/1/90	6/1/90
KN0205 226-30-16860					X	6/1/90	6/3/90
KN0211 226-10-16875		X	7/1/90	7/9/90	X	7/1/90	7/9/90
KN0211 226-10-16880					X	7/1/90	7/1/90
KN0213 226-30-16853		X	7/1/90	7/6/90	X	7/1/90	7/6/90
KN0401 226-30-16820					X	6/30/90	6/30/90
KN0500 226-10-16992		X	7/5/90	9/11/90	X	7/5/90	7/7/90
KN0500 226-10-16996		X	7/7/90	9/11/90	X	7/5/90	7/7/90
KN0601 226-40-16855	X						
KN0602 226-40-16851	X						
KN0602 226-40-16853	X						
KN0701 226-30-16840		X	6/30/90	9/13/90	X	6/30/90	7/27/90
KN0704 226-30-16844	X						
LA015 226-40-16782		X	7/3/90	7/8/90	X	7/3/90	7/8/90
LA018 226-40-16780		X	7/3/90	8/26/90	X	6/15/90	7/4/90
LA021 226-40-16774		X	6/17/90	6/17/90	X	6/13/90	6/14/90
LA021 226-40-16776	X						
LA023 226-40-16772	X						
LA029 226-40-16788	X						
LA031 226-40-16785	X						
MA009 226-20-15044	X						
MN001 227-20-17570	X						
NA026 226-40-12950	X						
NK001 232-21-10230		X	7/3/90	7/4/90	X	7/3/90	7/4/90
PD002 242-42-10450					X	6/21/90	6/23/90
PD003 242-42-10460					X	6/21/90	6/23/90
TB002 232-10-10340					X	7/1/90	7/1/90
TB003 232-10-10342					X	6/20/90	7/1/90
WB001 242-32-10155					X	6/19/90	6/19/90
WB003 242-32-10160					X	6/19/90	6/19/90
WH003 226-40-16322		X	7/8/90	7/8/90	X	7/8/90	7/8/90

ASC # 226-30-16820

Segment KN-402/KN-401

2 Observations Tar mats and patties (ranging locally from sporadic to continuous) ring the high tide line south of the channel. No oil was observed north of the channel. No subsurface of oil was observed.

Treatment Recommendations Manually remove all tar mats and patties.

ASC # 226-40-16851

Segment KN-602

2 Observations Sporadic stains dot boulders along the high tide line. Immediately adjacent to one of the stream channels running through the upper-intertidal zone, a tar mat has penetrated several centimeters into the gravel.

Treatment Recommendations Manually remove tar mats.

ASC # 226-40-16853

Segment KN-602

Observations Sporadically stained rocks are distributed north of the channel within the upper-intertidal zone.

Treatment Recommendations No treatment is required.

W 1 ASC # 226-40-16855

Segment KN-601

Observations No surface or subsurface oil was observed.

Treatment Recommendations No treatment is required.

CATALOG NUMBER: 2264016855		SEGMENT#: KN601		LOCATION: KNIGHT ISLAND, MUMMY BAY			SEQ:
DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS
04/27/90	ANADSCAT	1	SURFACE			NO OIL	
MAD vs. OG: COMMENTS: NO SIGN OF OIL. I AGREE: MH FAWCETT. RECOMMENDATIONS: NO TREATMENT. OIL WITHIN 1 MILE OF STREAM: NO							

CATALOG NUMBER: 2264016855		SEGMENT#: KN601		LOCATION: KNIGHT ISLAND, MUMMY BAY			SEQ:
DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS
04/27/90	OG'S ANADSCAT	1				NO OIL	NO OIL OBSERVED. PIT #1 NO OIL.
MAD vs. OG: Agree COMMENTS:							



OFFICIAL PHOTOGRAPH ADF&G EXXON VALDEZ OIL SPILL

OFFICE: VALDEZ

DATE: 09/15/89

TIME: -0-

SEGMENT#: -0-

STATION#: -0-

LOCATION: MUMMY BAY, KNIGHT ISLAND

REASON FOR TAKING PHOTO: DOCUMENTING UNDOCUMENTED SALMON SPAWNING
SITE (147°47'45"/60°14'36"). (AERIAL PHOTO).

TAKEN BY: RICK GUSTIN

INITIALS: _____

ROLL #: 89RLG007V FRAME #: 30

EVIDENCE ID#: 10210

ACE 7379378

02

ANADROMOUS FISH STREAM EVALUATION

SEGMENT ST/ KN-601 STREAM NO: 226-40-16855 DATE 4/27/90

SEGMENT ENVIRONMENTAL SENSITIVITIES AND TIME CONSTRAINTS:

Subject stream and ADF&G salmon stream no. 226-40-16859

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

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

5T-4 All bald eagle nests (3/1 to 6/1)-Active eagle nests (3/1 to 9/1)

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

6Y Recreation: Special use destination

See attached Ecological Constraint sheet for specific constraints and contacts.

SUBDIVISION ECOLOGICAL CONSTRAINTS:

Avoid any unnecessary disturbance or damage to unoiiled biota and substrate. Subject stream is located within an unsurveyed segment.

ARCHAEOLOGICAL CONSTRAINTS:

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

SHPO SIGNATURE: *J. David McMillan* DATE: 5/9/90

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: 5/9/90

ADEC *For Weinger* *Detlemer*

EXXON *Andy Teitz* *Beal*

NOAA *Burl Weisheit* *Burl Weisheit*

USCG *D.D. Rome* *DA Rome*

FOSC: *my L*

DATE: 5-15-90

ACE 7379383
FS/AC/RT

ANADROMIC FISH STREAM EVALUATION

SEGMENT ST/ KN-601 STREAM NO: 226-40-16855 DATE 4/27/90

SEGMENT ENVIRONMENTAL SENSITIVITIES AND TIME CONSTRAINTS:

Subject stream and ADF&G salmon stream no. 226-40-16859

- 1A Salmon stream mouth - fry outmigration (3/1 to 5/15)
- 1B Salmon stream mouth - spawning (7/10 to 8/31)
- 5T-4 All bald eagle nests (3/1 to 6/1)-Active eagle nests (3/1 to 9/1)
- 6V Recreation: Anchorages (6/1 to 9/15)
- 6Y Recreation: Special use destination

See attached Ecological Constraint sheet for specific constraints and contacts.

SUBDIVISION ECOLOGICAL CONSTRAINTS:

Avoid any unnecessary disturbance or damage to unvoiled biota and substrate. Subject stream is located within an unsurveyed segment.

ARCHAEOLOGICAL CONSTRAINTS:

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

SHPO SIGNATURE: *J. David McMillan* DATE: 5/9/90

Subsurface Oil Observed: Yes No X Maximum Depth

RECOMMENDATIONS:

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

COMMENTS:

TAG COMMENTS:

TAG APPROVAL DATE: 5/9/90

ADEC *Art Wenger*
 EXXON *Art Tenzel*
 NOAA *Burt Weisheit*
 USCG *D.D. Rome*

FOSC: *myl* DATE: 5-15-90

50/65
 00 WILLIAM REID
 SEGMENT ST/ KN601
 STREAM 226-240-16855

SKETCH MAP

Film AS-15-7

DATE 27 APR 90

CHECKLIST

☐ N Arrow
☐ Apparent Scale
☐ Seg/Sub Study
☐ Oil Dist.
☐ Width
☐ Length
☐ % Cover
☐ Substrate Character
☐ Est. HULL/WL
☐ SSL
☐ Profile Location(s)
☐ Profile(s)
☐ Pt Location(s)
☐ Photo Location(s)

LEGEND

1 Δ
 Pt - No Subsurface Oil

2 Δ
 Pt - Subsurface Oil

CT/C
 Continuous Distribution

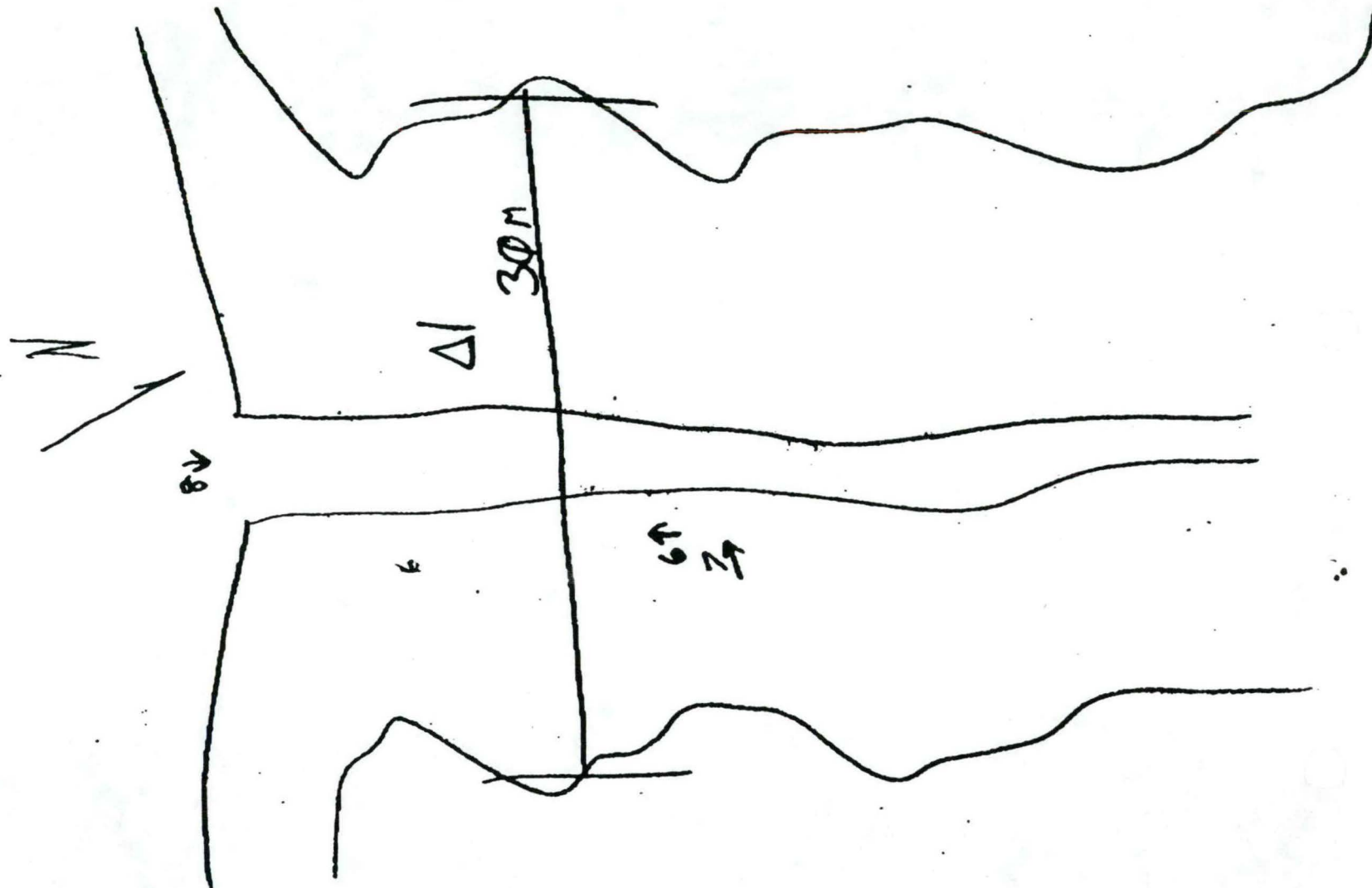
CT/B
 Broken Distribution

[- -]
 CT/P
 Patchy Distribution

[- -]
 CT/S
 Splashed Distribution

lll
 Old Vegetation

1 →
 Photo location, direction,
 and number



ACE 7379385

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

REVISIONS

KN-601

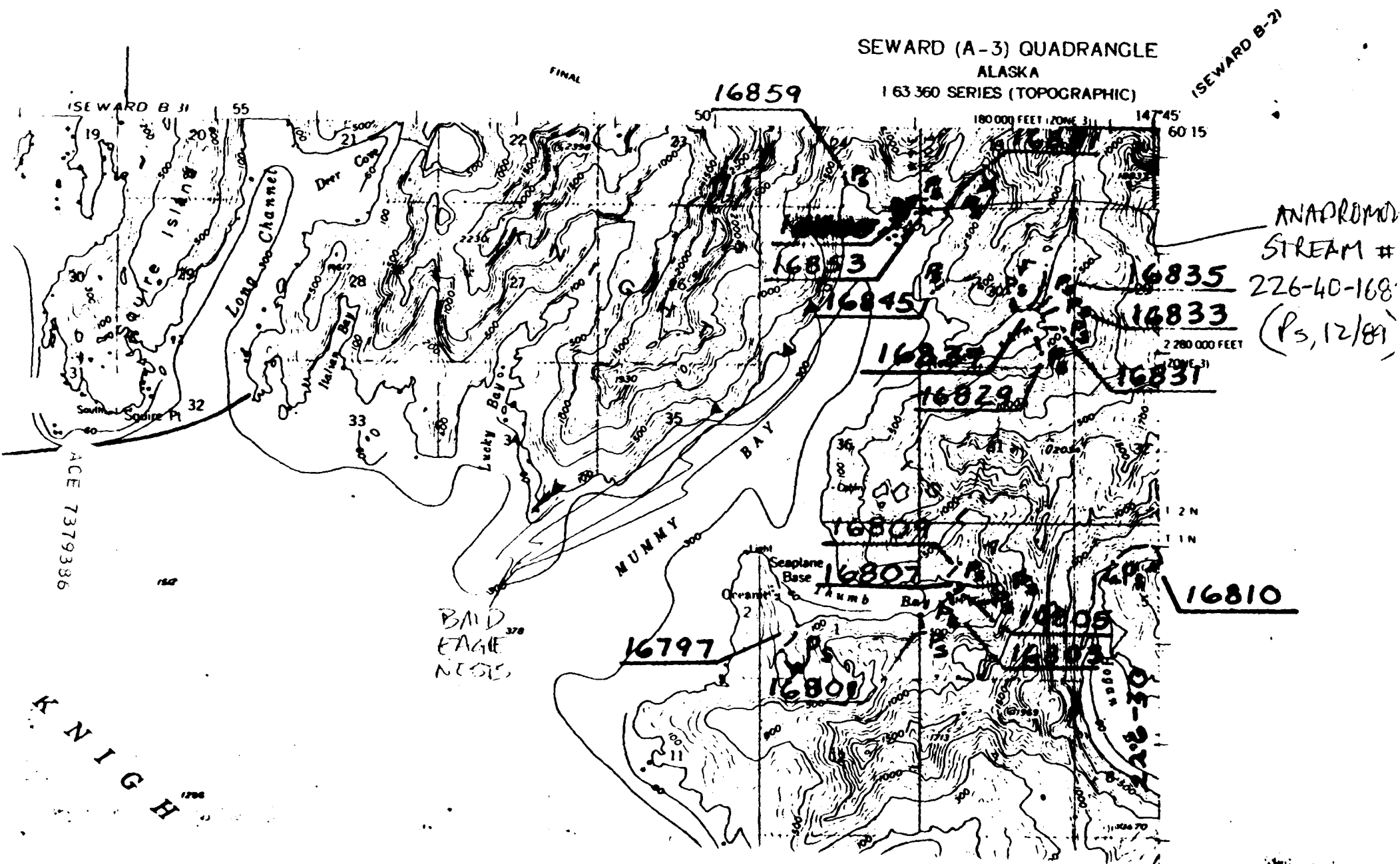
(UNSURVEYED SEGMENT WITH NO SUBDIVISIONS)

ECOLOGICAL MAP

1A, 1B

ST-41

6V 6Y



FRAME(S)

DESCRIPTION

RECOMMEND: NO TREATMENT

48 OIL DISTRIBUTION DIAGRAM

Mummy Bay
226-40-16855

KN 601

ANAD SCAT 4/27/

NO SIGN
OF OIL

Processed
5/8/50
gm

RECEIVED
MAY 05 1990

DEPT OF
ENVIRONMENTAL CONSERVATION

ANADROMOUS FISH STREAM ASSESSMENT

REGION PRINCE WILLIAM SOUND

SEGMENT: KN-601

STREAM NO. 226-40-16855

CONCUR

No changes

ok TC

ACE 7379388

ANADROM ; FISH STREAM EVALUATION

SEGMENT ST/ KN-601 STREAM NO: 226-40-16855 DATE 4/27/90

SEGMENT ENVIRONMENTAL SENSITIVITIES AND TIME CONSTRAINTS:

Subject stream and ADF&G salmon stream no. 226-40-16859

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

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

5T-4 All bald eagle nests (3/1 to 6/1)-Active eagle nests (3/1 to 9/1)

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

6Y Recreation: Special use destination

See attached Ecological Constraint sheet for specific constraints and contacts.

SUBDIVISION ECOLOGICAL CONSTRAINTS:

Avoid any unnecessary disturbance or damage to unhoiled biota and substrate. Subject stream is located within an unsurveyed segment.

ARCHAEOLOGICAL CONSTRAINTS:

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

SHPO SIGNATURE: _____ DATE: _____

Subsurface Oil Observed: Yes _____ No X Maximum Depth _____

RECOMMENDATIONS:

X No Treatment Recommended

_____ Treatment Recommended

_____ Manual Pickup

_____ Bioremediation

_____ Tarmat Removal

_____ Snare/Absorbent Booms

_____ Oil Snares (pom poms)

_____ Absorbents (pads, rolls, etc)

_____ Spot Washing: _____ Wands

_____ Beach Cleaner

_____ Other (see comments)

COMMENTS: _____

TAG COMMENTS: _____

TAG APPROVAL DATE: _____

ADEC _____

EXXON _____

NOAA _____

USCG _____

FOSC: _____ DATE: _____

ACE 7379389

- ✓ 1A Salmon stream mouth - fry outmigration (3/1 to 4/1)
- ✓ 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 without authorization from ADF&G. No use of methods which might affect nearshore oil or toxicity levels, such as hot water wash or Inipol application, prior to at least July 1 unless authorized by ADF&G. Treatment which is not intrusive and which will not affect nearshore oil or toxicity levels, such as manual removal, can probably proceed without adherence to time constraints. In any case, contact ADF&G Habitat Division prior to treatment for consultation and/or permit application.
- AGENCY CONTACT PERSON: ADF&G John Morison 267-2324
- 1C Salmon fry nursery area (4/31 to 7/31)
- No use of methods which might affect nearshore oil or toxicity levels, such as hot water wash or Inipol application, prior to July 31 unless authorized by ADF&G. Treatment which will not affect nearshore oil or toxicity levels, such as manual or mechanical removal, can probably proceed without adherence to time constraints. Contact ADF&G prior to treatment for confirmation and advice.
- AGENCY CONTACT PERSON: ADF&G Larry Peltz 424-3214
- 1D Esther Hatchery release (4/15 to 6/15)
- 1E Main Bay Hatchery release (4/20 to 6/15)
- 1F Sawmill Bay Hatchery release (4/15 to 6/1)
- 1G Cannery Creek Hatchery release (4/21 to 6/1)
- 1H Remote release site
- No use of methods which might affect nearshore oil or toxicity levels, such as hot water wash or Inipol application, prior to at least July 1 unless authorized by ADF&G and/or PWS Aquaculture Association. Treatment which will not affect nearshore oil or toxicity levels, such as manual or mechanical removal, can probably proceed without adherence to time constraints. Contact ADF&G or PWS Aquaculture Association for confirmation and authorization.
- AGENCY CONTACT PERSON: 1E ADF&G Larry Peltz 424-3214
1D 1F 1G PWS Aquaculture Association John McMillan or Bruce Suzumoto 424-7511
- 1I Gill net area (6/7 to 8/31)
- 1J Purse seine area (7/20 to 9/30)
- 1K Purse seine hook-off (7/20 to 9/30)
- 1L Set net sites (6/11 to 7/25)
- Contact ADF&G for specific dates, locations and constraints. Restrict boat and air traffic to essential minimum. When set net sites are present (1L) restrict beach operations to essential minimum as authorized by ADF&G. If plans for treatment include methods such as hot water wash or Inipol application which might affect nearshore oil or toxicity levels, contact ADF&G for consultation and authorization.
- AGENCY CONTACT PERSON: ADF&G James Brady 424-3212
- 2M Herring spawning (4/1 to 6/15)
- Contact ADF&G for confirmation - dates and locations may vary. Restrict boat traffic to essential minimum. Avoid damage to unopened intertidal and subtidal algae and seagrass. If plans for treatment include methods such as hot water wash or Inipol application which might affect nearshore oil or toxicity levels, contact ADF&G for consultation and authorization.
- AGENCY CONTACT PERSON: ADF&G Evelyn Biggs 424-3235
- 3N, 3P Harbor seal and sea lion pupping (5/15 to 7/1)
- 3O, 3Q Harbor seal and sea lion molting (8/15 to 9/15)
- Restrict boat and air traffic to essential minimum. No personnel within 400m. Aircraft to maintain 800m horizontal and 300m vertical distance from haulouts. No application of Inipol within two weeks of arrival dates (work window at these sites is limited to 7/2 to 7/31). Contact ADF&G and USFWS prior to treatment for confirmation.
- AGENCY CONTACT PERSON: US National Marine Fisheries Service Steve Zimmerman 586-7235
ADF&G Don Calkins 267-2403
- 5R Seabird colony (5/1 to 9/1)
- Restrict air and boat traffic to essential minimum. No personnel within 800m. Aircraft to maintain 800m horizontal, 300m vertical distance from colony. Contact USFWS prior to treatment.
- AGENCY CONTACT PERSON: USFWS Jill Parker 786-3377
- 5S Shorebird/waterfowl concentration (4/1 to 5/15)
- Restrict all activity to essential minimum, especially air traffic. Contact USFWS and ADF&G for confirmation.
- AGENCY CONTACT PERSON: USFWS Jill Parker 786-3377
ADF&G Tom Roth 267-2206
- ✓ 5T All Bald Eagle nests (3/1 to 6/1)
- Active Bald Eagle nests (3/1 to 9/1)
- Restrict air traffic and all disturbance to essential minimum. No personnel within 400m 3/1 to 6/1. Air approach and takeoff from and to seaward only; maintain 800m horizontal, 300m vertical distance from nests. Contact USFWS prior to treatment for confirmation of dates.
- AGENCY CONTACT PERSON: USFWS Jill Parker 786-3377
- ✓ 6U Recreation: Tent sites (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 Subsistence 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

FIELD SHORELINE COMMENT SHEET

44/6

SEGMENT ST KN 601 SUBDIVISION: ⁴⁰⁻ 16853 DATE 1/27/90

USCG

NAME CWO MCMAHON SIGNATURE [Signature]

☒ NO TREATMENT RECOMMENDED
COMMENTS

☐ TREATMENT SUGGESTED

ADPH
ADEC

NAME Tom Crowe SIGNATURE [Signature]

☒ NO TREATMENT RECOMMENDED
COMMENTS

☐ TREATMENT SUGGESTED

LAND MANAGER

NAME _____ SIGNATURE _____

☐ NO TREATMENT RECOMMENDED
COMMENTS

☐ TREATMENT SUGGESTED

ACE 7379391

OG WILLIAM LEID ICG McMAHON SE ENT ST/ KN601496
 BIO MICHAEL FAWCETT LAND REP TAD CROWE ADE STRIP 122642 168551 OF
 EXXON GUS GARCIA ADFG MIKE VERNER TIME 11:00
 TEAM NO. 15 TIDE LEVEL -1 FT DATE 27 APR / 80
 EST. SUBDIVISION LENGTH: 30 m ☒ Sun ☐ Clouds ☐ Fog ☐ Rain ☐ Snow
 UPLANDS DESCRIPTION: ☒ Grass ☐ Forest ☐ Rock
 SURVEYED FROM: ☒ Foot ☐ Boat ☐ Helo
 SURFACE SEDIMENTS: R 0 % B 10 % C 30 % P 60 % G 0 % S 0 % M 0 % V 0
 SLOPE: Long 90 % Hang 10 % Vert 0 % WAVE EXPOSURE: ☒ Low ☐ Med ☐ Hk
 OIL CATEGORY LENGTH: W 0 m M 0 m N 0 m V 0 m NO 30

SURFACE OIL

CHARACTER	DISTRIBUTION				OIL / FILM COLOR				IMPACTED ZONES			
	N	S	P	R	1	2	3	4	SW	W	M	U
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

NEAR SHORE SHEEN? ☒ NO BR RW SL

OILED DEBRIS	AMOUNT		
	SM	MD	LG
Logs			
Vegetation			
Trash			
Debris			

Did You Col
DEBRIS
☐ YES ☒ NO

TYPE 0

#BAGS 0

Photographs:

Roll No. A3-15-7

Frames 6-8

SUBSURFACE OIL

PIT NO.	PIT DEPTH (cm)	SUBSURFACE OIL CHARACTER					OILED INTERVAL	BELOW		OIL / FILM COLOR				PIT ZONE				A N A	K E Y S	V T	SURFA SUBSURF SEDIME
		OP	OR	OL	OF	NO		SW	W	1	2	3	4	SW	W	M	U				
1	40					X	.										X		N		G/P1
							.														
							.														
							.														
							.														
							.														

COMMENTS

REVIEWED JW DATE 4-30-90

50/63
OG WILLIAM REID

SEGMENT ST/ KN601

STREAM 226-240-16855

DATE 27 APR 90

SKETCH MAP

Film AS-15-7

CHECKLIST

- ☐ H Area
- ☐ Approx. Grade
- ☐ Slope/Soil Study
- ☐ Oil Dist.
- ☐ Width
- ☐ Length
- ☐ % Cover
- ☐ Substrate Character
- ☐ Est. MW/LWL
- ☐ SSI
- ☐ Profile Location(s)
- ☐ Profile(s)
- ☐ Pt Location(s)
- ☐ Photo Location(s)

LEGEND

1 Δ
Pt - No Subsurface Oil

2 Δ
Pt - Subsurface Oil

CT/C
Continuous Distribution

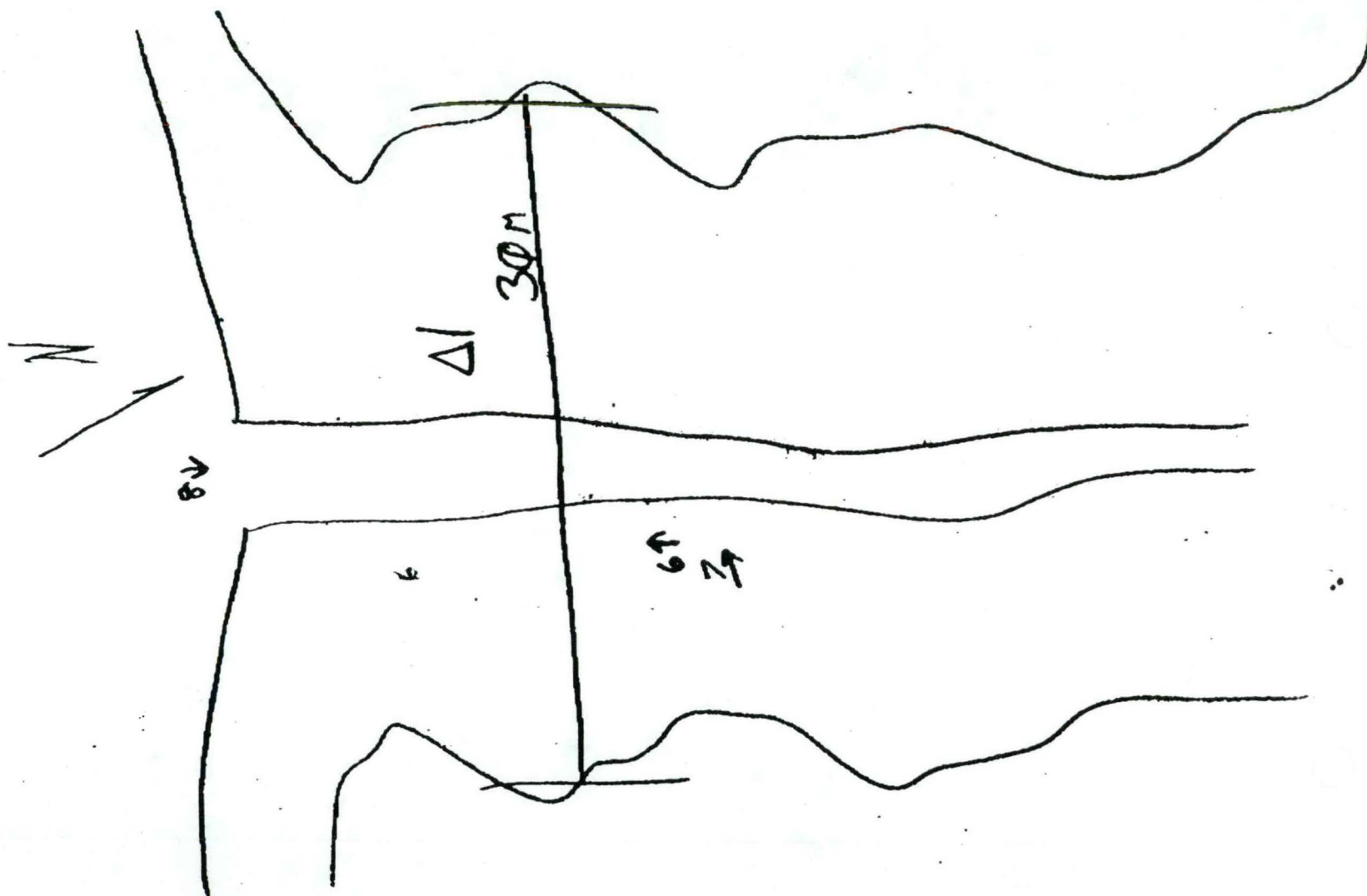
CT/B
Broken Distribution

CT/P
Patchy Distribution

CT/S
Splashed Distribution

eee
Oiled Vegetation

1 →
Photo location, direction,
and number



ACE 7379393

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

REVISION: 02/01/90

53/63

Segment KN 601

4/27/90

Stream 226-40-16855

Michael Fawcett

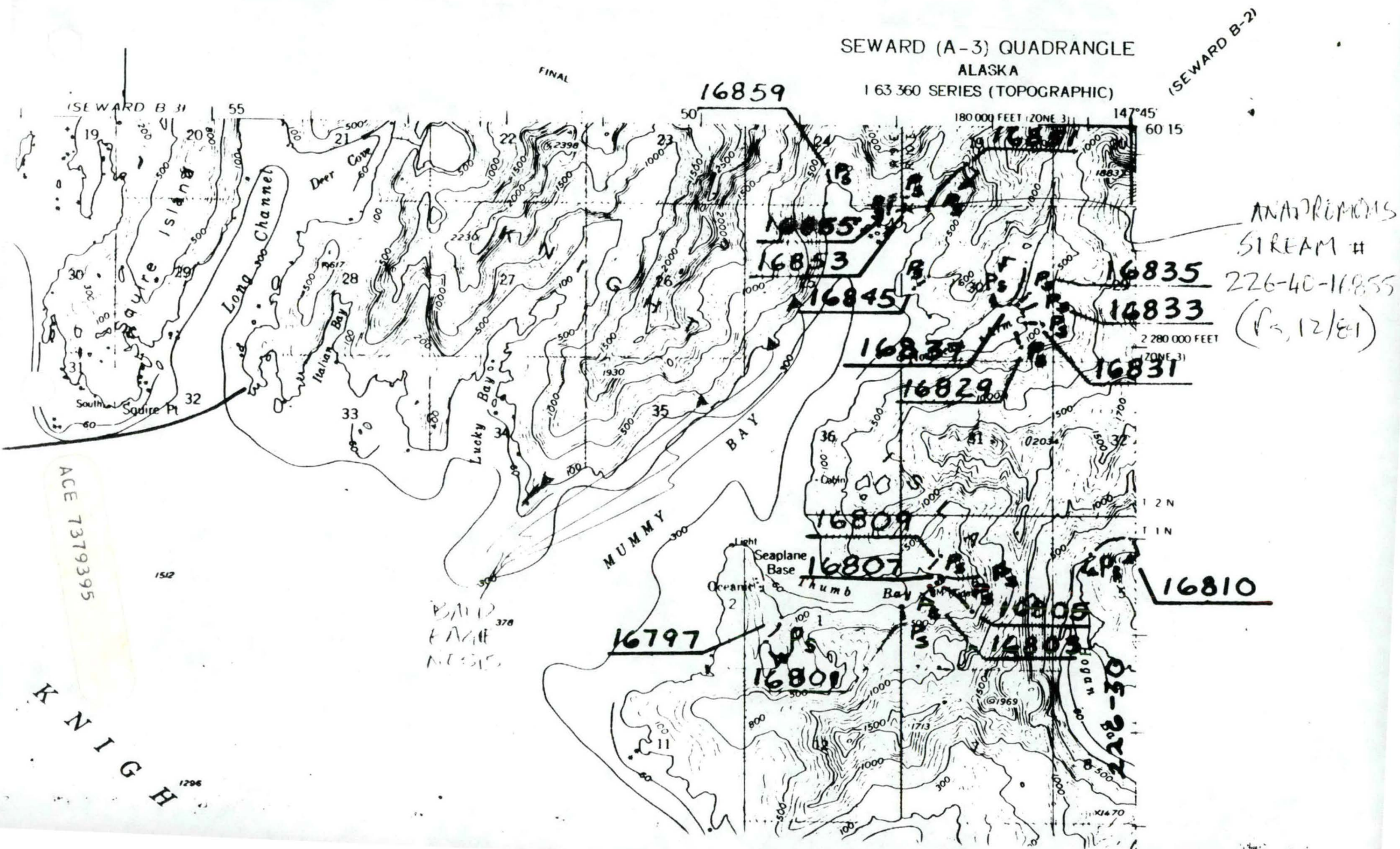
Ecological Summary

This stream lies about 200m west of stream 226-40-16853. The geomorphology and community ecology are essentially the same as for the other stream. No clean up is needed.

~~Michael Fawcett~~

ECOLOGICAL MAP

11A, 1B
ST-4
6V 6Y



47/6

ADFTG MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: BS SS DS TS AVS SCH MWS PTA 2 REGION: PR KP,CI K,AP

METHOD: Aerial Ground Boat

3 DATE: 4/27/90 15 HIGH TIDE TIMES: 1 21 TEAM RECORDER: TOM CROWE

4 START TIME: 1100 16 HIGH TIDE HTS: 1 22 OBSERVERS: MIKE WROMER

5 STOP TIME: 1120 17 LOW TIDE TIMES: 1 23 AGENCY: ADFTG (ANASCAT)

6 SEGMENT #: KN601 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: Sew A-3 Start: _____ End: _____

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

12 SOURCE: Map Loran 011 _____

13 LOCATION: Mummy Bay Sediment _____

14 DESCRIPTION: _____ Biological _____

Water _____

EXTENT OF OIL

	SHORELINE				STREAM			
	L	V	H	S	L	V	H	S
27 SURFACE COVERAGE								
28 SURFACE THICKNESS			SEE	MAP				
29 PENETRATION								

30 OVERALL OIL IMPACT: N VL L H H

31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Seafin None

32 OILED DEBRIS: Y N

33 SHORELINE TYPE: Hardland Low-lying Banks Beach Cove Lagoon Marsh

34 WAVE EXPOSURE: High Moderate Low

35 SUBSTRATE TYPE: Bedrock Boulder C Cobble C
Gravel ✓ Sand ✓ Mud/silt ✓

36 CATALOGED ANAD. FISH BREAST: Y N

37 CATALOG #: 226-40-16855

38 STREAM NAME: _____

39 OIL IN STREAM BED: Y N

40 OIL ON STREAM BANKS: Y N

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

42 OIL WITHIN 1 MILE OF STREAM: Y N

Where: _____

43 ANADROMOUS FISH PRESENT? Y N

44 ANADROMOUS FISH OBSERVATION

Species	Aerial	Ground

COMMENTS: NO SIGN OF OIL

I agree. M & Fawcett

ACE 7379396

FRAME(S)

DESCRIPTION

RECOMMEND: NO TREATMENT

48 OIL DISTRIBUTION DIAGRAM

Mummy Bay
226-40-16855

KN 601

ANAD SCAT 4/27/

NO SIGN
OF OIL

ADF&G MULTI-ASSESSMENT DATA FORM

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

2 REGION: PWS KP,CI K,AP

METHOD: Aerial Ground Boat

3 DATE: 4/27/90

15 HIGH TIDE TIMES: 1

21 TEAM RECORDER: Tom Crowe

4 START TIME: 1100

16 HIGH TIDE HTS: 1

22 OBSERVERS: Mike Wroemer

5 STOP TIME: 1120

17 LOW TIDE TIMES: 1

23 AGENCY: ADF&G (ANACSCAT)

6 SEGMENT #: KN601

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: SEW A-3

Start: _____ End: _____

10 LAT: _____

11 LONG: _____

26 SAMPLES TAKEN? Y N Number

12 SOURCE: Map Loran

13 LOCATION: Mummy Bay

14 DESCRIPTION: _____

Oil _____
Sediment _____
Biological _____
Water _____

EXTENT OF OIL

	SHORELINE				STREAM			
	L	W	M ²	%	L	W	M ²	%
27 SURFACE COVERAGE								
28 SURFACE THICKNESS			SEE	MAP				
29 PENETRATION								

30 OVERALL OIL IMPACT: N VL L M H

31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain

32 OILED DEBRIS? Y N

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

34 WAVE EXPOSURE: High Moderate Low

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

36 CATALOGED ANAD. FISH SREAM? Y N

37 CATALOG #: 226-40-16955

38 STREAM NAME: _____

39 OIL IN STREAM BED? Y N

40 OIL ON STREAM BANKS? Y N

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

42 OIL WITHIN 1 MILE OF STREAM? Y N

Where: _____

43 ANADROMOUS FISH PRESENT? Y N

44 ANADROMOUS FISH OBSERVATION
Species Aerial Ground

COMMENTS: NO SIGN OF OIL

45 PHOTOLOG

FRAME(S)

DESCRIPTION

RECOMMEND: NO TREATMENT

46 OIL DISTRIBUTION DIAGRAM

Mummy Bay

226-40-16855

KN 601

ANAD SCAT 4/27/90

NO SIGN
OF OIL

Sample taken
Photo frame # and
shot direction.

ACE 7379399
-15

#5
47/63

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: 4/27/90

15 HIGH TIDE TIMES: 1

21 TEAM RECORDER: TOM CROWE

4 START TIME: 1100

16 HIGH TIDE HTS: 1

22 OBSERVERS: MIKE WROMER

5 STOP TIME: 1120

17 LOW TIDE TIMES: 1

23 AGENCY: ADFG (ANASCAT)

6 SEGMENT #: KN601

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: SEW A-3

Start: End:

10 LAT:

11 LONG:

26 SAMPLES TAKEN? Y (N) Number

12 SOURCE: Map Loran

Oil

13 LOCATION: Mummy Bay

Sediment

14 DESCRIPTION:

Biological

Water

EXTENT OF OIL

27 SURFACE COVERAGE

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

36 CATALOGED ANAD. FISH SREAM? Y N

28 SURFACE THICKNESS

		SEE	MAP				

37 CATALOG #: 226-40-16855

29 PENETRATION

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? (N)
(within 50 meters)

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

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

34 WAVE EXPOSURE: High Moderate (Low)

Where:

35 SUBSTRATE TYPE: Bedrock Boulder (✓) Cobble (✓)

43 ANADROMOUS FISH PRESENT? Y N

Gravel (✓) Sand Mud/silt (✓)

44 ANADROMOUS FISH OBSERVATION
Species Aerial Ground

COMMENTS: NO SIGN OF OIL

I agree. M H Fawcett

ACE 7379400 +/s/s

FRAME(S)

DESCRIPTION

RECOMMEND: NO TREATMENT

46 OIL DISTRIBUTION DIAGRAMMummy Bay
226-40-16855

KN 601

ANAD SCAT 4/27/91

NO SIGN
OF OIL

SHORELINE OILING SUMMARY (ANAD.)

REVISION NO. 04/1

OG WILLIAM REID USCG McMAHON SEGMENT ST/ KN60149/63
 BIO MICHAEL FAWCETT LAND REP TOM CROVIE ADEG 5 STREAM 22642168551 OF
 EXXON GUS GARCIA ADFG MIKE WIEDMER TIME 11:00 to
 TEAM NO. 15 TIDE LEVEL -1 FT DATE 27 APR 190
 EST. SUBDIVISION LENGTH: 30 m ☒ Sun ☐ Clouds ☐ Fog ☐ Rain ☐ Snow
 UPLANDS DESCRIPTION: ☒ Grass ☒ Forest ☒ Rock
 SURVEYED FROM: ☒ Foot ☐ Boat ☐ Helo
 SURFACE SEDIMENTS: R 90 % B 10 % C 30 % P 60 % G 0 % S 0 % M 0 % V
 SLOPE: Lang 90 % Hang 10 % Vert 0 % WAVE EXPOSURE: ☒ Low ☐ Med ☐ High
 OIL CATEGORY LENGTH: W 0 m M 0 m N 0 m VL 0 m NO 30

SURFACE OIL

CHARACTER	DISTRIBUTION				OIL / FILM COLOR						IMPACTED ZONES			
	C	S	P	R	BR PR	DEL RY	GY	SL DR	TL LR	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 0PATTIES / TARBALLS 0 BAGNEAR SHORE SHEEN? ☒ NO BR RW SL TL

OILED DEBRIS	AMOUNT		
	SM	MD	LG
Logs			
Vegetation			
Trash			
Debris			

Did you COLLECT
DEBRIS
☐ YES ☒ NO

TYPE 0#BAGS 0

Photographs:

Roll No. A5-15-7Frames 6-8

SUBSURFACE OIL

PIT NO.	PIT DEPTH (cm)	SUBSURFACE OIL CHARACTER					OILED INTERVAL (CM-CH)	BELOW		OIL / FILM COLOR						PIT ZONE				A N A	SHEEN (Y/N)	V	SURFACE SUBSURFA SEDIMENT	
		OP	OR	OL	OF	NO		UO	UC	BR	FR	GY	SL	DR	TL	LR	SU	U	M					L
1	400					X	.											X				N		G/P/C
							.																	
							.																	
							.																	
							.																	
							.																	
							.																	
							.																	

COMMENTS

REVIEWED 0 DATE 0

ACE 7379402

5063 OG WILLIAM REID

SEGMENT ST/ KN1601

STREAM 226-40-16855

DATE 27, APR 90

SKETCH MAP

Film AS-15-7

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 Δ

Pit - No Subsurface Oil

2 $\blacktriangle$

Pit - Subsurface Oil

CT/C

Continuous Distribution

CT/B

Broken Distribution

CT/P

Patchy Distribution

CT/S

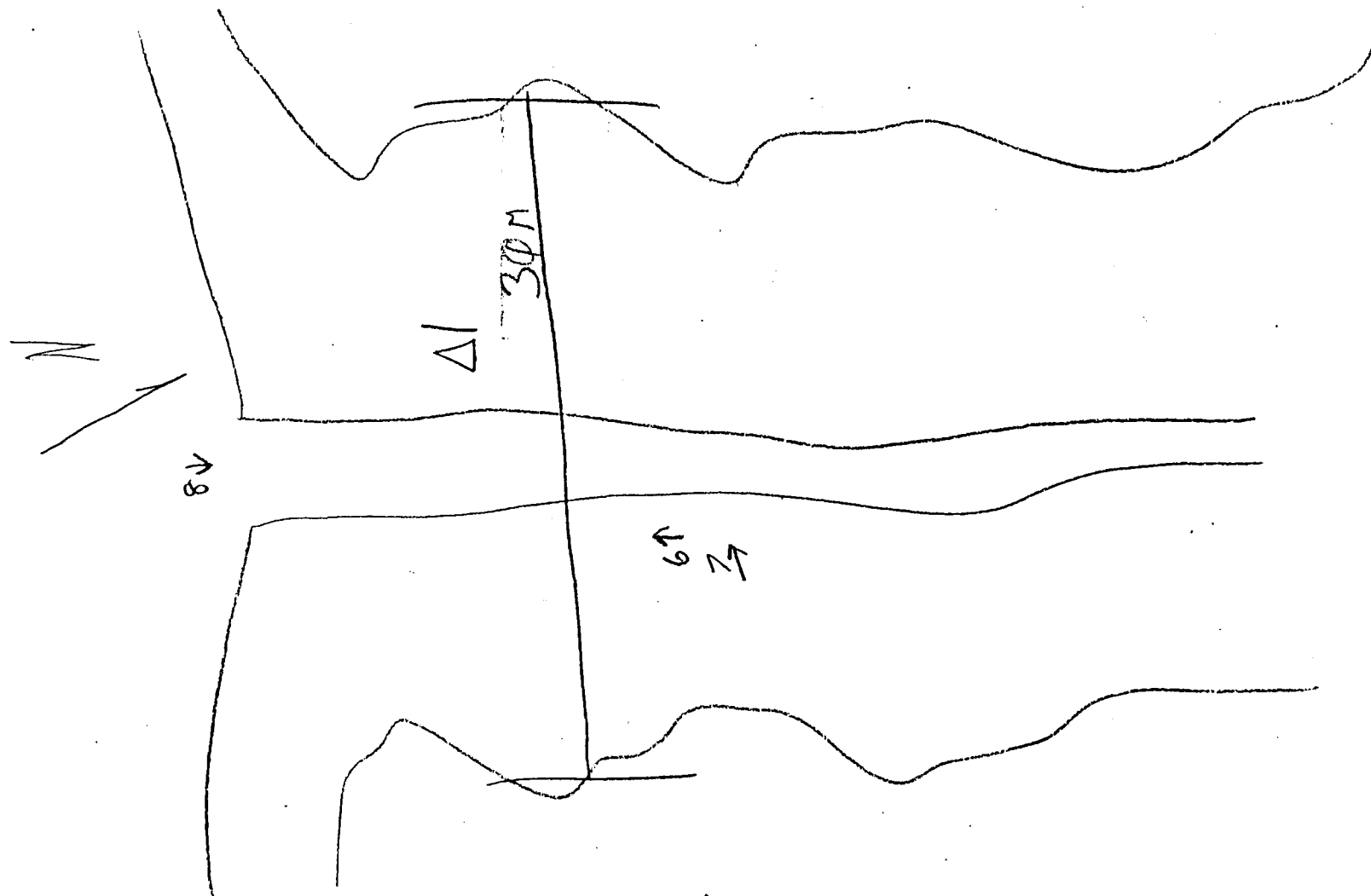
Splashed Distribution

eee

Oiled Vegetation

1 $\bullet \rightarrow$

Photo location, direction,
and number



ACE 7379403

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

REVISION: 93/24/90

51/63

SSAT DATA ENTRY FORM

PAGE 1 OF 2

GENERAL DATA

226-40-
SEG ID: KN601 SUBDIV: 16855 TEAM: AS-15 SURVEY DATE: 4/27/90
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: 30 OIL CATEGORY: W 0 M 0 N 0 VL 0 NO 30 U 0

SURFACE DATA

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

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 -

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

52/63

SSAT DATA ENTRY FORM

SUBSURFACE DATA

PAGE 2 OF 2

SEGMENT ID: KN 601 SUBDIV: 226-40-16855

PIT # 1 PIT DEPTH 40 OIL CHARACTER — OIL INTVAL: FROM 0 TO 0
QUANT: — OIL CLR: — FLM CLR: — ZONE: SU — UI — MI X LI —
SUBSURF SEDIMENT: BRK — BLD — COB X PEB X GRN X SAN — MUD — VEG —

PIT # — 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 —

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 KN 601

4/27/90

Stream 226-40-16855

Michael Fawcett

Ecological Summary

This stream lies about 200m west of stream 226-40-16853. The geomorphology and community ecology are essentially the same as for the other stream. No clean up is needed.

M H Fawcett

FIELD SHORELINE COMMENT SHEET

SEGMENT ST 1 KN 601 SUBDIVISION: 40- 16855 DATE 1/27/90

USCG

NAME CWO MCMAHON SIGNATURE [Signature]

☒ NO TREATMENT RECOMMENDED
COMMENTS

☐ TREATMENT SUGGESTED

ADFG
ADEC

NAME TOM CROWE SIGNATURE [Signature]

☒ NO TREATMENT RECOMMENDED
COMMENTS

☐ TREATMENT SUGGESTED

LAND MANAGER

NAME _____ SIGNATURE _____

☐ NO TREATMENT RECOMMENDED
COMMENTS

☐ TREATMENT SUGGESTED

ACE 7379407 -/SA

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

ADEC Sep/Oct 1989 Survey



ASC
16855

N

N

N

KN601

0 meters 500

N

ACE 7379408
-/L/AC/RT/FF