LA-029 ASC: 226-40-16788 Southeast LaTouche Island

ACE 1369643

## - Frince William Suma

### DOCUMENTS IN STREAM FILES

<u>ASC</u> #		Segment #
	189 189 189 189 189 189	Intertidal Assessment Survey, Sport/Com. Fish Shoreline Clean-Up Program (SAT) Anadromous Fish Stream Authorization, for instream work Stream Treatment Reports Demobilization Reports Bioremediation other RLS Sheet Oil sed. sample Egg sample Fall Walk-a-thon Survey, ADEC Winter Assess. Study Site Winter Stream Survey Form Other Documents
	'90 '90 '90 '90 '90 '90	Pre-Anadscat Survey, multi-assessment form Anadscat Survey Anadromous Fish Stream Evaluation (work order) Anadromous Fish Stream Addendum to work order Shoreline Evaluation, SAT and work order for segment Anadromous Fish Stream Authorization, Title 16 permit Stream Treatment Report ADEC Demobilization Report for Bio ADF&G Oiling Condition Survey, for ASAP use (Aug. Survey) ASAP Survey ASAP Rec ADEC Rec. (See ) Other Documents

### 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	1		1986		X	7/7/90	7/8/90
K1007-PB001 262-70-10025	1 1				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	1				X	5/30/90	5/30/90
KN0129 KN0129-UNCAT	T 1	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				170700	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	-	:	17.,00	77000	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		777750	3/11/30		17000	177730
KN0602 226-40-16851	X					<del></del>	
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		0,00,00	3/10/30	^	0/00/50	1121130
L:A015 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	^	0/1//30	0/11/30	^	0/10/30	0/14/30
LA023 226-40-16772	X					-	
LA029 226-40-16788						-	
LA031 226-40-16785	.X		<del> </del>			-	
MA009 226-20-15044	X		<del> </del>			-	
MN001 227-20-17570	X		<del>                                     </del>			-	
NA026 226-40-12950	X						- 4
NK001 232-21-10230	_^	~	7/2/00	7/4/00	ت <del>-</del>	7/3/90	7/4/90
		X	7/3/90	7/4/90	X		6/23/90
PD002 242-42-10450					X	6/21/90	
PD003 242-42-10460			1		X	6/21/90	6/23/90
TB002 232-10-10340					X	7/1/90	7/1/90
TB003 232-10-10342				<u> </u>	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

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NON-DUCK STREAMS

PAGE 1

CATALOG N	UMBER: 22640	16788	SEGN	SEGMENT#: LA029 LOCATION: LATOUCHE ISLAND, SOUTHEAST SIDE								
DATE	SURVEY	SITE	W x L (m) SITE TYPE		THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS					
04/12/90 PRE-ANADS 1 CAT		1	15 SURFACE			CT AP						

MAD vs. OG: COMMENTS:

15 METER BAND OF TAR AND STAIN. OIL ON STREAM BANKS. UPPER STORM BERM COVERED WITH SNOW.

CATALOG N	JMBER: 22640	16788	SEGI	DUTHEAST SIDE			
DATE	SURVEY	SITE	W x L (m) SITE TYPE	The state of the s	SITE SPECIFIC COMMENTS		
04/20/90	ANADSCAT	1	20 x 100 SURFACE	<1	1 10	ST	
04/20/90	04/20/90 ANADSCAT 2 SURFACE			10	HOR MS		

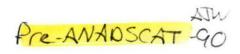
MAD vs. OG: COMMENTS:

STAIN ON SCATTERED ROCKS IN ZONE OF INTEREST. ONE PIT IN 4 REVEALED BURIED MOUSSE (5-10 CM BAND OVERLAID BY 10 CM CLEAN SUBSTRATE) NO TREATMENT RECOMMENDED. COMPLETE SKELETON OF DEAD ADULT SEA OTTER. STAIN ON STREAM BANKS.

CATALOG NU	JMBER: 22640	16788	SEG	SEGMENT#: LA029 LOCATION: LATOUCHE ISLAND, SOUTHEAST SIDE							
DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS				
04/20/90	OG'S ANADSCAT	1	SURFACE	<1 OFN		ST	SLIGHT SCATTERED STAINING, MITZ IN BETWEEN TWO STREAM CHANNELS AT MOUTH.				
04/20/90	OG'S ANADSCAT	2	SUBSURF		10-15	OF	4 PITS NORTH SIDE OF STREAM. PIT 2 LAYER 10-15CM. OTHER PITS CLEAN.				

PRINTED: 10/29/91 18:17:13	NON-DUCK STREAMS	PAGE 17
	STAINING IN MAD, SOUTH OF BOTH CHANNELS.	r AGE 11
COMMENTS:	STATISTICS IN PAD, SOUTH OF BOTH CHARREES.	





#### ADF&G MULTI-ASSESSMENT DATA FORM

1	SURVEY TYPE: BS SS DS TS AVS SCHA MMHS PTA 2 REGION:	PNS KP,CI K,AP
	METHOD: Aerial Ground Boat	
3	DATE: 4/12/40 15 HIGH TIDE TIMES: / 2	1 TEAM RECORDER:
	START TIME: 07/1 16 HIGH TIDE HTS: / 2	2 OBSERVERS: JOM CROWR
5	S STOP TIME: 7 25 17 LOW TIDE TIMES: / 25	ACENCY: 90F 19
6	S SECMENT #: LA 029 18 LOW TIDE HTS: / 24	4 PHOTOS TAKEN: Y
7	7 STATION #: 19 TIDE HT AT SURVEY:	Roll #: Frame:
8	K-UNIT: Ebb Slack Flood Slack 28	VIDEO TAKEN: Y & TAPE#:
9	STAT AREA: 20 USCG QUAD:	Start: End:
10	11 LONG: 20	8 SAMPLES TAKEN? Y (N) Number
12	SOURCE: Map Loran	011
13	LOCATION:	Sediment
14	DESCRIPTION:	Biological
	EXTENT OF OIL	Water
	SHORELINE STREAM 36	CATALOGED ANAD, FISH SREAM? (Y) N
27	37	CATALOG #: 16789
21	30KFACE COVERAGE	STREAM NAME:
28		9 OIL IN STREAM BED? Y N
29	PENETRATION 40	O OIL ON STREAM BANKS? Y N
30	O OVERALL OIL IMPACT: N VL L N H 4	1 OIL ON BEACH ADJACENT TO MOUTH? Y N
31	1 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain 42	2 OIL WITHIN 1 MILE OF STREAM? YN
32	OILED DEBRIS? Y N	Where:
33	SHORELINE TYPE: Headland Low-lying Rocks Beach Cove	43 ANADROMOUS FISH PRESENT? Y
	. Lagoon Marsh	44 ANADROMOUS FISH OBSERVATION
34	WAVE EXPOSURE: High Moderate Low	Species Aerial Ground
35	5 SUBSTRATE TYPE: Bedrock Boulder Cobble	
	Gravel Sand Mud/silt	
	COMMENTS: 15 MRTGE BAND OF TARY STRIN,	Upple STORM
	BURM COUERED WITH SNOW	
		ACE 7379941 +/5
		ALF (4/0041 T/)

FRAME(S)	DESCRIPT	ION
		ATh
	46 OIL DISTRIBUTION DIAGRAM	706-49-5C/6788 4/12/90 LAD9
		4/14 40 LA 29
	SNO!	<b>~</b>
		<u> </u>
-1/4/	<del>\</del>	J 15 M

<sup>=</sup> Sample taken

<sup>=</sup> Photo frame # and shot direction.

•											
ASC NUMBER		SEGM	ENT NUMBER:	ENT NUMBER: YR CATALOGED:							
TREAM NAM ODIAK K-U USGS QUADE	JNIT:	LOCA	L STREAM #:			TUDE:					
SHORELINE			ALL SEG	MENTS:	}						
ASC NUMBERS			TEAM RECORDER: OBSERVERS:								
METHOD: DATE: / START TIME:			AGE	NCY(II	ES):						
STOP TIME:			PHOTOS TAKEN?  Roll #: Frames: VIDEO TAKEN? Tape Number:								
SAMPLES TAI	KEN? I.D. NUMBERS	: 1.	2.			3. 5.					
	LENGTH	WIDTH	M2	*	THICK	PEN	OIL TYPE				
SITE 1	50	15					4/40				
SITE 2	1.5	,									
SITE 3											
SITE 4											
SITE 5											
OVERALL OII	L IMPACT:										
	EAM CHANNEL?		OIL ON B	EACH W	TITHIN 50M	OF STRE	EAM MOUTH?				
Bedrock Boulder	Gran Sand		SPECIES								
Cobble Pebble	Silt Vege		COUNT								

COMMENTS:

SEGMENT NUMBER: (4029

RECORDER: FINK RED-DATE: 15/3/91

CATALOG MUMBER: 226-40-16788 STREAM NAME: SHORELINE TYPE: TIME: OG Vs. MAD: Staining in MAD both channels LOCATION: DATE: PERCENT THICKNESS COMMENTS SITE WIDTH LENGTH PENETRATION SURFACE AREA OIL (M) (M) (SQM) SUBSURF TYPES (CM) (CM) Slight scattered staining, MITZ in between two stream channels at mouth 4 pit with side of stream Pit 2 layer 10-15cm, Other pits clean ofn Surf 10-15

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DATE PRINTED: 10/02/91

CATALOG NUMBER: 2264016788

STREAM NAME:

LOCATION. LATOURUE TOLAND CONTREACT CIDE

SEGMENT NUMBER: LA029

SHORELINE TYPE:

DATE: 06/12/00 TIME. DEACH\_0725

LUCAT	IUN: LAIU	OCHE ISLAND	, SOUTHE	WOI DINE			-0725		
SITE	WIDTH (m)	LENGTH (m)	AREA (sqm)	PERCENT OIL	THICKNESS (cm)	PENETRATION (cm)	SURFACE SUBSURF	OIL TYPES	COMMENTS
1	15						SURFACE	CT AP	

COMMENTS:

15 METER BAND OF TAR & STAIN. UPPER STORM BERM COVERED WITH SNOW.

STREAM BANKS: YES

MILE OF STREAM: YES

OTL ON OIL WITHIN 1

CATALOG NUMBER: 2264016788

STREAM NAME:

LOCATION: LATOUCHE ISLAND, SOUTHEAST SIDE

SEGMENT NUMBER: LA029

SHORELINE TYPE:

DATE: 04/20/90 TIME: BEACH-1530

SITE	WIDTH (m)	LENGTH (m)	AREA (sqm)	PERCENT OIL	THICKNESS (cm)	PENETRATION (cm)	SURFACE SUBSURF	OIL TYPES	COMMENTS	
1 2	20	100		<1	1	10 10	SURFACE SURFACE	ST HOR MS		

COMMENTS:

STAIN ON SCATTERED ROCKS IN ZONE OF INTEREST. ONE PIT IN 4 REVEALED BURIED MOUSSE (5-10 CM BAND OVERLAID BY 10 CM CLEAN SUBSTRATE) NO TREATMENT RECOMMENDED. COMPLETE SKELETON OF DEAD ADULT SEA OTTER. FRY PRESUMED. OIL ON STREAM

BANKS: YES, STAIN

STREAM: YES

OIL WITHIN 1 MILE OF

1 :-ANADSCAT -: 1

### ADF&G MULTI-ASSESSMENT DATA FORM

1	SURVEY TYPE: BS	\$ <b>∑</b> 0s	TS AVS	SCHA	MMHS F	ATC		2 REG	ION:	PWS KP,C1 K,AP
	METHOD: Aeria	a1 _	Ground	Во	at					
3	DATE: 4/12/4	70	1:	5 нісн	TIDE TI	MES:			_ 21	TEAM RECORDER:
4	START TIME: 07/		10	в нісн	TIDE HT	rs:			_ 22	OBSERVERS: TOM CROWK
5	STOP TIME:	25	1	7 LOW	TIDE TIN	1ES:		<del> </del>	_ 23	AGENCY: 90879
6	SECHENT #: LAO	29	_ 24	PHOTOS TAKEN: Y						
7	STATION #:		1:	TIDE	HT, AT 5	SURVEY:			-	Roll #: Frame:
8	K-UNIT:			Eb	b 5	lack	Flood	S1 ack	25	VIDEO TAKEN: Y () TAPE#:
9	STAT AREA:		2	o uscg	QUAD:				-	Start: End:
10	LAT:		1	1 LONG	:	<del></del>		<del></del>	_ 26	SAMPLES TAKEN? Y N Number
12	SOURCE: Map	Loran								0f1
13	LOCATION:		·		<del></del>	<del> </del>			-	Sediment
14	DESCRIPTION:		<del></del>		<del> </del>				-	Biological
					EXTENT	OF OIL		•	٠	Water
			SHORE			l .	STREA		36	CATALOCED ANAD, FISH SREAM? Y N
			<b>W</b>	M <sup>2</sup>	•	L		M <sup>2</sup>		CATALOG #: 16788
27	SURFACE COVERAGE					1/			38	STREAM NAME:
28	SURFACE THICKNESS								39	OIL IN STREAM BED? Y N
29	PENETRATION								40	OIL ON STREAM BANKS? Y N
30	OVERALL OIL IMPACT	: N	٧L	L 1	F)	1	<u></u>			OIL ON BEACH ADJACENT TO MOUTH? Y N
31	OIL TYPE: Pooled	М	XISSO C	Tar	Aspha	ilt St	icky	<b>Stain</b>	42	(within 50 meters) OIL WITHIN 1 MILE OF STREAM? YN
32	OILED DEBRIS?	Y N	Ì							Where:
33	SHORELINE TYPE:	Head1 ar	nd l			Bea Marsh	ch	Cove	4	43 ANADROMOUS FISH PRESENT? Y
2.4	WAVE EXPOSIBE	High	_							44 ANADROMOUS FISH OBSERVATION
					Lov			×		Species Aerial Ground
35			_					<u> </u>		
	,	Gravel	<del></del>	Sa	nd		Mud/sil	t		
	COMMENTS: 15	mri	ZQ_	BANG	0 64	TAR	4 5	TRIN		Upper STURM
	Busn	<u> </u>	U.ERT	0	With	SNO	ıΔ_			( '
	-									
	<del></del>									ACE 7379941 +/S

FRAME(S)	DESCRIF	TION
	<del></del>	<del></del>
		ATW
	46 OIL DISTRIBUTION DIAGRAM	226-49=(16788) TC 75(16788) 4/12/90 LAD9
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<sup>=</sup> Sample taken

<sup>=</sup> Photo frame # and shot direction.

L. 00 10

CATALOG N	JMBER: 22640	16788	SEG	MENT#: LA02	DOCATION: LATOUCHE ISLAND, SOUTHEAST SIDE						
DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS				
04/12/90	PRE-ANADS CAT	1	15 SURFACE			CT AP	Both sides of stream -mitz				

MAD vs. OG:

COMMENTS:

15 METER BAND OF TAR AND STAIN. OIL ON STREAM BANKS. UPPER STORM BERM COVERED WITH SNOW.

CATALOG NUMBER: 2264016788 SEGMENT#: LA029 LOCATION: LATOUCHE ISLAND, SOUTHEAST SIDE										
DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS			
04/20/90	ANADSCAT	1	20 x 100 SURFACE	11-50	1 mm	ST	Both sides of Stream-thoughout ITZ-skattere stain			
04/20/90	ANADSCAT	2	SURFACE Subsur	Face	40 5-10cm	HOR MS	north side of stream-small aved of subsurface oil werkill by clean substrate.			

MAD vs. OG: COMMENTS:

STAIN ON SCATTERED ROCKS IN ZONE OF INTEREST. ONE PIT IN 4 REVEALED BURIED MOUSSE (5-10 CM BAND OVERLAID BY 10 CM CLEAN SUBSTRATE) NO TREATMENT RECOMMENDED. COMPLETE SKELETON OF DEAD ADULT SEA OTTER. STAIN ON STREAM BANKS.

SEQ: CATALOG NUMBER: 2264016788 SEGMENT#: LA029 LOCATION: LATOUCHE ISLAND, SOUTHEAST SIDE PERCENT THICKNESS & SURVEY SITE WxL (m) OIL TYPES, SITE SPECIFIC COMMENTS DATE SITE TYPE OIL PENETR. (cm) DEPTH INTERVAL(cm) <1 OFN ST SLIGHT SCATTERED STAINING, MITZ IN BETWEEN TWO STREAM CHANNELS AT MOUTH. 04/20/90 OG'S ANADSCAT SURFACE 2 04/20/90 OG'S OF 4 PITS NORTH SIDE OF STREAM. PIT 2 LAYER 10-15CM. OTHER PITS CLEAN. 10-15 ANADSCAT SUBSURF

ATE PRINTED:	10/17/91			1		1		NON-DUCK STREAMS	ı				PAGE	30
MAD vs. OG: COMMENTS:	PIT 2 II	N MAD,	BURIED	MOUSSE,	STAINING	IN MAD,	SOUTH O	F BOTH CHANNELS.				 		

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	TEA	M NO	Ľ	5				TID	EL	EVE	L_	1	-3 F	Ţ			TIME : 10 :  DATE 20 / 20 / 90  Clouds □ Fog □ Rain □ Snow									
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REVISION:03/24/90

Ecologist's Summary Segment LA 29 Stream 226-40-16788 4/20/90 Michael Fawcett

Stream month lies on a boulder/cobble/
pebble beach. Scattered light stains
of oil were found in MTZ. Dense
Mussels, barnacles, and Facus occupy
boulders in MTZ-LTZ. No cleanuf
recommended. Remains of dead sea
offer found on UTZ berm. No obvious
oil or tag, but all that was left
was skeleton and bits of fur. Skull
collected by Tom Crowe (ADF46).
several offers seen feeding near shore.

MH Fawith

## SSAT DATA ENTRY FORM

PAGE		0F 7
17100	_	

## GENERAL DATA

S726 43-16788
SEG ID: 14 29 STREAM: TEAM: AS:15 SURVEY DATE: 20/10-190
PAVEMENT: CHAR $\mathcal{J}$ AREA $\mathcal{J}$ THICKNESS $\mathcal{J}$ TARBALLS $\mathcal{J}$
OILED: LGS - VEG - TRH - DBR - WAVE EXP: LW - MD X HG -
FAX RCVD: DT: AGENCY DISAGREE:
EST SUBDIV LGTH: 60 OIL CATEGORY:W 0 M 0 N 0 VL 50 NO 10 U 0
SURFACE DATA
SURFACE SEDIMENT: BRK ${\mathscr O}$ BLD ${\mathscr D}$ COB ${\mathscr S}{\mathscr O}$ PEB ${\mathscr S}{\mathscr O}$ GRN ${\mathscr O}$ SAN ${\mathscr J}$ MUD ${\mathscr O}$ VEG ${\mathscr O}$
CHAR #: OIL CHAR: ST OIL DIST: CONT - BRKN - PTCH - SPLH X
OIL CLR: DBL FILM CLR: TIDAL ZONE: SU UI MI X LI
·
CHAR #:OXL CHAR: OIL DIST: CONTBRKNPTCHSPLH OIL CLR: FXLM CLR: TIDAL ZONE: SUUIMILI
OIL CLR: FILM CLR: TIDAL ZONE: SUUIMILI
CHAR #:OIL CHAR:OIL DIST: CONTBRKNPTCHSPLH
OIL CLR: FILM CLR: TIDAL ZONE: SUUIMILI
CHAR #:OIL CHAR:OIL DIST: CONTBRKNPTCHSPLH
OIL CLR: FILM CLR: TIDAL ZONE: SUUIMILI
CHAR #: OIL CHAR: OIL DIST: CONT BRKN PTCH SPLH
OIL CLR: FILM CLR: TIDAL ZONE: SUUIMILI
CHAR #:OIL CHAR:OIL DIST: CONTBRKNPTCHSPLH
OIL CLR: FILM CLR: TIDAL ZONE: SUUIMILI
CHAR #:OIL CHAR:OIL DIST: CONTBRKNPTCHSPLH
OIL CLR: FILM CLR: TIDAL ZONE: SUUXMILI
CHAR #:OIL CHAR:OIL DIST: CONTBRKNPTCHSPLH
OIL CLR:FILM CLR: TIDAL ZONE: SUUIMILI

## SSAT DATA ENTRY FORM

SUBSURFACE DATA	PAGE 2 OF 2
SEGMENT ID: LA · 29 SUBDIV: 226.40-16	768
PIT # PIT DEPTH 5 OIL CHARACTER - QUANT: _ OIL CLR: _ FLM CLR: _ SUBSURF SEDIMENT: BRK _ BLD _ COB _ PEB	OIL INTVAL: FROM U TO C ZONE: SU - UI MI X LI -
PIT # 2 PIT DEPTH 25 OIL CHARACTER OF QUANT: UC OIL CLR: - FLM CLR: BR SUBSURF SEDIMENT: BRK - BLD - COB PEB	ZONE: SU UI X MI LI
PIT # 3 PIT DEPTH 25 OIL CHARACTER — QUANT: — OIL CLR: — FLM CLR: — SUBSURF SEDIMENT: BRK — BLD — COB — PEB	ZONE: SU UI X MI - LI -
PIT # 4 PIT DEPTH 20 OIL CHARACTER — QUANT: OIL CLR: FLM CLR: SUBSURF SEDIMENT: BRK BLD — COB X PEB	ZONE: SU UI MI X LI
PIT # RIT DEPTHOIL CHARACTER QUANT:OIL CLR: FLM CLR: SUBSURF SEDIMENT: BRKBLDCOBPEB_	ZONE: SUUIMILI
PIT # PIT DEPTHOIL CHARACTER QUANT: OIL CLR: FLM CLR: SUBSURF SEDIMENT: BRKBLDCOBPEB_	OIL INTVAL: FROMTO ZONE: SÚUIMILI GRNSANMUDVEG
PIT # PIT DEPTHOLL CHARACTER QUANT: OIL CLR: FLM CLR: SUBSURF SEDIMENT: BRKBLDCOBPEB_	ZONE: SUUIMILI
PIT # PIT DEPTHOIL CHARACTER QUANT: OIL CLR: FLM CLR: SUBSURF SEDIMENT: BRKBLDCOBPEB_	ZONE: SUUIMILI
PROBLEMS:	
	ACC 7379937

SEGMENT ST 1 4 29 SUBDIVISION: 14 788 DATE
NAMEQUOZ S. MC MAHON SIGNATURE J- MCM NAME
NO TREATMENT RECOMMENDED TREATMENT SUGGESTED COMMENTS
ADEC Michael Wiedmen
NAME AR TEAM MEMBER SIGNATURE MINASER SIGNATURE
COMMENTS
NAME 10 Kain member SIGNATURE
☐ NO TREATMENT RECOMMENDED ☐ TREATMENT SUGGESTED COMMENTS

- ACE 7379934 +/S

## OPERATIONS FIELD NOTES

	OF	Enr	4 1 1011 8 8	eck for instr							
SEGMENT ID	ANA	n 110-	29					DATE	4-20	o-90	
STREAM ID #	226-	40-16	788					NAME	GARC		
ANNOTATED MAP INCL		YIN	,,,,					TEAM #	15		
		_									
			4-4	ļ	<del></del>		Recom	nmendation			
OUDEACE OIL		tities in I	T	.,	Bioreme	<del></del>	Val	Tilling	Spot Ho	<del></del>	
SURFACE OIL	Length	Width	Area	None	Y/N	% Treat	Y/N	% Treat	Y/N	% Trea	
Wide Band			DICALLY	5			<del></del>			<del>                                     </del>	
Medium Band	STAINE	D. LES	S THAN	10%	<del> </del>	1 1		-	<del> </del>	┼	
Narrow Band Very Light	170		<del> </del>	1/		<del>                                     </del>		<del> </del>	<del> </del> -	<del> </del>	
very Light	<u> </u>	TOTAL	MANDAYS	<u>.                                    </u>	1	0	. <u> </u>	0		0	
SUBSURFACE OIL	VEC				15-55	<del></del>	and	<del></del>	ן הר'ז⊬ ה		
Other (Describe)?	763	LIGH	FILM	(10-	13 67	INDE	PTH) C	NLY IN	PITTE	·	
Other (Describe)?								<del></del>			
	<del> </del>						<del></del>	·			
					<del></del>			<del></del>			
								<del></del>	<del></del>		
	Quan	tities in I	Meters	Tre	eatment l	Rec	<b>#</b> of	Mandays	Required	1	
TARMATS	Length		Thick(cm)	<del> </del>		Remove	Bags	Breakup	Remove	1	
Area #1	Longin	11.001	1111011(011)	-				Бібалор	110111010	┪	
Area #2		NE	<del> </del>		<b></b>			<del> </del>		1	
Area #3	1 . 1	) !	<del>                                     </del>		<del>                                     </del>					1	
Area #4	N									1	
Sporadic Mats										1	
										•	
	Ту	pe of De		In M	eters						
•	Mousse	Oiled	Cleanup			# of		Pickup	Manday		
MANUAL PICKUP	Tarballs	Veget	Debris	Length	Width	Bags		Y/N	Estimate		
"Pocket" #1		16								]	
"Pocket" #2	9	DNA	ļ <u> </u>	Ĺ						]	
"Pocket" #3	L M			<b></b>	<b> </b>	<u> </u>				1	
Random/Continuous	<u> </u>		<u> </u>	<u></u>	<u> </u>	L				}	
OILED LOGS Y 169	OILING	H/N	(/L	QUAN	TITY L	./M/S	BURN	Y/N		]	
Is there Other Debris on	the Beac	h? Y /(\)	How Ma	any Bags	?	Is it n	ningled v	vith the Oile	d Debris Y	(IN	
GENERAL		Snow or	overing <u>10</u>	2% of the	Buprati	dal Zone?					
Wave Exposure (H) M	L	Access	Limitations	. /	JONE	<del>.</del>					
Snare Boom/Pom Poms											
Would the production Cr	afi have i	o be rela	ocated to co	omplete v	work on t	his subdiv	ision?	Y 100. # 0	of Times <a>A</a>	ŽA	
COMMENTS: NO	TREAT	HENT	NEC.	E35 AK	24 ON	T7415	57R	AM.			

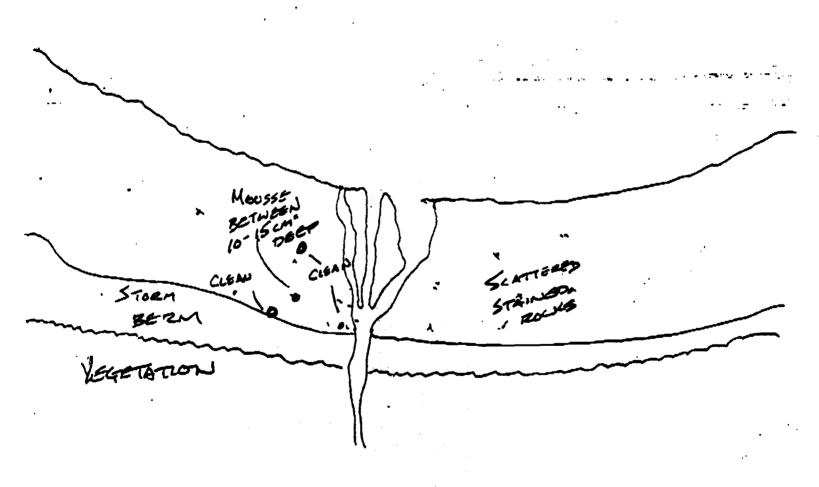
ADFEC MULTI-ASSESSMENT DATA FORM

t	SURVEY TYPE: BS SS DS TS AVS SCHA HONS PTA 2 REGION	1: /8	NS KP,CI K,AP
	HETHODE April Ground Seat		
3	DATE: 4/20/90 18 HIGH TIDE TIMES: 1007 / 2304	21 T	ELM RECORDER: M. WIEDMER
4	START TIME: 1500 18 HICH TIDE HTS: 9.0' , 9.4'	22 0	BSERVORS: T. CROWS
5	STOP TIME: 1530 17 LOW TIDE TIMES: 0400 / 1634	23 A	CENTRE ADF#G
•	SECMENT #: LA-029 18 LOW TIDE HTS: 4.5 11-6	24 P	HOTOS TAKEN: Y
7	STATION #1 19 TIDE HT AT SURVEY: 2-68 .	R	oli diFranci
			IDEO TAKENS VN: APERS
•	STAT AMERI. 20 USCO QUADO DEWARD A-3		Start: Ind:
10	LAT111 LONGs	2 <b>6</b> S	AMPLES TAKEN? Y N Number
12	SOURCE: Non Loren		011
13	LOCATIONS S.E. LATOCHE S.		Sedfment
14	DESICRIPTION:		Stological
	EXTENT OF OIL		Weter
	SHOREZ_1NE STREAM	36 (	CATALOGED ANAO. FISH SREAHT 🕜 N
		37	CATALOG #1 226-40-16788
27	SURFACE COVERAGE (CO 20 <1 20 6 0	38 5	STREAM NAME:
28	SURFACE THICKNESS & May 0 0 0	29 (	DIL IN STREAM BED? Y N
29	PENETRATION 10	40 (	DIL ON STREAM BANKS? P N STAIN
30	OVERALL DIL INPACT: N (TL ) L H H	1	DIL ON BEACH ADJACENT TO HOUTHER TO
••	OIL TYPE: Pooled House for Amphalt Sticky Stain		(within 50 meters)
• 1		-2 (	TE MININ'S RICE OF SINDAN
32	OILED DESERVATE Y		Mheret
33	SHORELINE TYPE: Headland Low-lying Rocks Beach Cove	49	AMADROHOUS FISH PRESENTS Y N FRY PRESENTS
94	MAVE EXPOSURE: High Hodoreto Low		ANADROHOUS FISH OSSERVATION
<b>3</b> 7		Ī	Species Aerial Ground
35	SUBSTRATE TYPE: Bedreck Soulder 33 Cools 33	Ì	
	Gravel 33 Sand Mud/silt_	Ì	
	STAINS ON SCATTERED ROCKS	_ //	N ZONE OF
	INTEREST. ONE PIT IN 4 REVEAU		
	(5-10 CM BAND DUBLATO BY 10 CM CL		
	NO TREATMENT RECOMMENDED COM		<del></del>
	ADDLY SEA OYER		
			ACE 7379923

### 48 PHOTOLOG

RAME(S)	DESCRIPTION	

### 46 OIL DISTRIBUTION DIAGRAM



Ecologists summar; Segment LA 29 Stream 226-40-16788 4/20/90 Michael Faucett

stream month lies on a boubler/cobble/
pebble beach. Scattered light stains
of oil were found in MTZ. Dense
Mussels, barnacles, and Fucus occupy
boulders in MTZ-LTZ. No cleanaf
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oil or tag, but all that was left
was skeleton and bits of fur, Skull
collected by Tom Crowe (ADF4G).
Several offers seen feeling near shore.

e en company

MA fawill

oil catego Surfàce			GIF	7.	₩	$\mathcal{L}$	r	n	M (	"			74				' B	$\mathcal{D}$			$\sim$ $\sim$
	110 i	•				_			···		''''		<u> </u>		-						0 10
CHARACTER		DISTRIBUTION O				L/FILM COLOR			R		CTE NE8	٦	PATTIES / TARBALLS								
	R	•	~	A	*	X	%		<b>M</b>	W	•	u								0	·B
PAVEMEN	1								I	$\prod$			NE	NR S	HOF	E S	HEE	EN?	(40)	BR	RW SL
POOLED								$\Box$						KE			_	MOL			
COVER													-	EBR	IS		SA	IME	LG	Did	You Co
COAT														ogs	-41		┼	+	<b>  </b>	DEBR	ES ÉN
STAIN				X		X					X		-	eget:			╀	+	┼┤.	_	
MOUSSE														resh		-	╀	+	╁┤	TYPE	
PÄTTIES	L								•	Į į	1	1		ebri	•	•	ı	1	1 [,		S
TARBALLS		1		_		_		_+	_Ļ_	—				-			<del></del>		' ليسك		·
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									1				Pho	ologi Roli	•	:	<del></del>		٬ سید	#BAG	
NO OIL	L							1	X	X		×	Pho	_	No				' ليسيد	PDAG	-
NO OIL									X	X		X	Pho	Roii	No			<u> </u>	·		-
NO OIL						0.3		1			•	X	Pho	Roll	No						SURFA
NO OIL  UBSURF PIT PIT NO. DEPTH	Ti	SUB	SURI	FACI	ER	OLEO .		DELO	×		•	× ×	Pho	Roll	No		1	A	FEN	•	SURF/ SUBSUR
NO OIL UBSURF	Ti	SUB	SURI	FACI	E R 8	OLED	# Ł			AL/F	TLM		Pho	Roll	No		1	A		•	SURF/ SUBSUR
NO OIL  UBSURF  PIT PIT  NO. DEPTH	Ti	SUB	SURI	FACI	E R	ONED	# Ł		w	AL/F	TLM		Pho	Roll Fran	No			A	FEN	•	SURF/ SUBSUR SEDIM
NO OIL  UBSURF  PIT PIT  NO. DEPTH	Ti	SUB	SURI	FACTACTION X	11 R 8 X	0	# Ł		w	)L/1	TLM		Pho	Roll Fran	No			A	FEN	•	SURF/ SUBSUR SEDIM
NO OIL  UBSURF PIT PIT NO. DEPTH	Ti	SUB	SURI	FACTI		0			w c	)L/1	TLM		Pho	Roll Fran	No			A	FEN	•	SURFA SUBSUR SEDIME
NO OIL  UBSURF PIT PIT NO. DEPTH	Ti	SUB	SURI	FACTOR S		0			w c	)L/1	TLM		Pho	Roll Fran	No			A	FEN	•	SURF/ SUBSUF SEDIM
NO OIL  UBSURF PIT PIT NO. DEPTH	Ti	SUB	SURI	FACTO		0			w c	)L/1	TLM		Pho	Roll Fran	No			A	FEN	•	SURF/ SUBSUR SEDIME

ACE 7379921

REVISION:03/24/90

# FIELD SHORELINE COMMENT SHEET

SEGMENT ST 1 4 29 SUBDIVISION: 16 788 DATE
NAMEQUOZ I MC MAHON SIGNATURE & MCTN M
NO TREATMENT RECOMMENDED TREATMENT SUGGESTED
ADEO Michael Weomen NAME NO TEAN MAN SOT SIGNATURE MANEZ LA COMON
NO TREATMENT RECOMMENDED TREATMENT SUGGESTED COMMENTS
•
LAND MANAGER NAME 10 Kain member SIGNATURE
☐ NO TREATMENT RECOMMENDED ☐ TREATMENT SUGGESTED COMMENTS

### Alaska Department of Fish and Game

### ANADSCAT Observations and Recommendations Team 15 - Michael Wiedmer and Tom Crowe

20 April 1990

ASC #

226-40-16785

Segment

LA-031

Observations Very light stain on surface armor observed more than 50 yards north of stream. One partially oiled drift log observed on storm berm south of stream. No buried oil observed in test pits. No other visible signs of significant quantities of buried oil.

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

ASC #

226-40-16788

Seament

LA-029

Observations Scattered stained surface cobbles and boulders found throughout anadromous fish stream zone. One out of four test pits revealed a layer of buried mousse 5 to 10 cm thick underneath 10 cm of clean substrate. Results from other pits indicate that this mousse layer was restricted to a small area.

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

ASC #

226-40-16776

Segment

LA-021

Observations Stain and some light tar and light mousse scattered through anadromous fish stream zone. No significant quantities of buried oil observed.

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

### ANADI OUS FISH STREAM EVALUATIO

SEGMENT ST/ LA-29 STREAM NO	: 226-40-1678	8 DATE	4/20/90
SEGMENT ENVIRONMENTAL SENSITIVE  1A Salmon stream mouth - fry of  1B Salmon stream mouth - spawn	utmigration (	3/1 to 5/15)	8:
SUBDIVISION ECOLOGICAL CONSTRA Avoid any unnecessary distur substrate. The subject stream	bance or da		
ARCHAEOLOGICAL CONSTRAINTS: If treatment is planned, a cultito shoreline treatment.	ural resource	evaluation i	s required prior
SHPO SIGNATURE:Subsurface Oil Observed: Yes_			
RECOMMENDATIONS: XNo Treatment RecommendedTreatment RecommendedManual PickupBioremediationTarmat Removal	Snare,Oil SiAbsoriSpot V	/Absorbent Bonares (pom pobents (pads, 1) Washing:	ooms oms) rolls,etc) Wands
COMMENTS:			
TAG COMMENTS:			
TAG APPROVAL DATE: ADEC EXXON	•	DATE	•

USCG \_\_\_\_

Alaska Department of Fish and Game

ANADSCAT Observations and Recommendations Team 15 - Michael Wiedmer and Tom Crowe

20 April 1990

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Segment

LA-031~

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226-40-16788

Segment

LA-029

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

ASC #

226-40-16776

Segment

LA-021

Observations Stain and some light tar and light mousse scattered through anadromous fish stream zone. No significant quantities of buried oil observed.

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

ASSESSMENT OF INTERTIDAL SPAWNING AREAS AFFECTED BY THE PRINCE WILLIAM SOUND OIL SPILL

NAME: Labucho Eside USGS MAP: Seward A-3

MAP #: DATE:

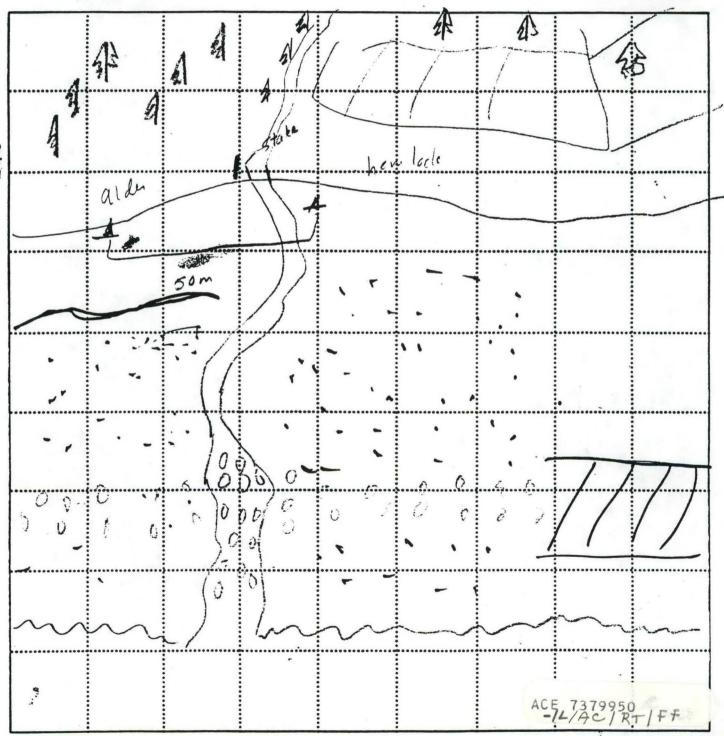
TIME OF SURVEY:

LOW TIDE #1.3 TIME 1857

COLLECTORS: DR + SM

NO SHETHOUSELECT OIL OIL TYPES PRESENT (1 2 3 PHOTO #: 30+31 Roll #7

STREAM CATALOG #: 16779 NOW



COLOR CODE: 1) NO OIL - BLANK 2) SHEEN - GREEN 3) MOUSSE - BROWN 4) BLACK OIL - BLACK

COMMENTS:

oil penitration varied 2 inches - 2+ feet & 1prt # 16785 also

ACE 7379933+5/5/4

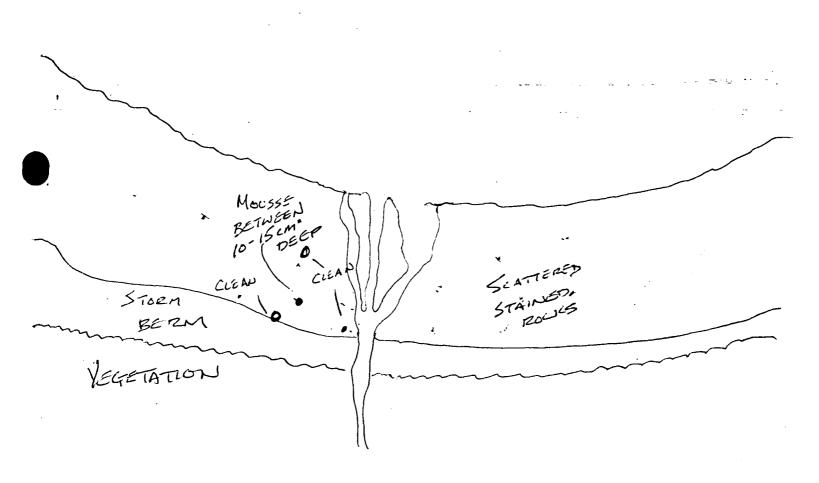
ADFAG MULTI-ASSESSMENT DATA FORM 1 SURVEY TYPE: BS SS DS TS AVS SCHA MAHS PTA 2 REGION: PWS KP,C1 Ground Aerial 15 HIGH TIDE TIMES: 1007 12304 21 TEAM RECORDER: M. WIEDMER 20 3 DATE: A/ 18 HICH TIDE HTS: 9.0' 19.4 4 START TIME: 1500 22 OBSERVERS: T. CROWE 17 LOW TIDE TIMES: 0400 1/634 23 AGENCY: ADF \$ 5 5 STOP TIME: 1530 8 SECHENT 1: LA-029 18 LOW TIDE HTS: 4.5 , 1.6 24 PHOTOS TAKEN: 19 TIDE HT AT SURVEY: 2.68 7 STATION #: Roll #: 8 K-UNIT: Flood STack 25 VIDEO TAKEN: 20 USCG QUAD: DEWARD A-3 9 STAT AREA: Start: 11 LONG: 26 SAMPLES TAKEN? 10 LAT:\_\_\_ Loran 12 SOURCE: 011 13 LOCATION: S.E. LATOCHE Sediment 14 DESCRIPTION: Biological EXTENT OF OIL Water 38 CATALOGED ANAD. FISH SREAM? (Y) N SHORELINE STREAM 37 CATALOG #: 226-40-16788 51 27 SURFACE COVERAGE 100 20 20 38 STREAM NAME: < mm 39 OIL IN STREAM BED? Y N 28 SURFACE THICKNESS 0 0 0 40 OIL ON STREAM BANKS? Y 29 PENETRATION N (VL 41 OIL ON BEACH ADJACENT TO HOUTH? 30 OVERALL OIL IMPACT: (within 50 meters) Sticky Stain 42 OIL WITHIN 1 MILE OF STREAM? 31 OIL TYPE: Pooled Tar Asphalt / Mousse 32 OILED DEERIS? Where: 33 SHORELINE TYPE: Headl and Low-lying Rocks 43 ANADROMOUS FISH PRESENT? FRY PRESONED Lagoon 44 ANADROMOUS FISH OBSERVATION 34 WAVE EXPOSURE: High Moderate Ground Bedrock\_\_\_\_\_ Boulder 33 Cobbie 33 35 SUBSTRATE TYPE: Gravel 33 Sand Mud/silt STAIN ON SCATTERED ROCKS IN ZONE DNE PIT IN A REVEALED BURIED MOUSSE CM BAND OVERLAND BY 10 CM CLEAN SUBSTRATE TMENT RECOMMENDED COMPLETES GELETON

ADULT SEA OTTER

#### 45 PHOTOLCG

FP:NE(S)	DESCRIPTION

46 OIL DISTRIBUTION DIAGRAM



ASC NUMBER	₹:	SEGM	ENT NUMBER:		YR (	YR CATALOGED:					
CATION:	re.				TATTT	LATITUDE: LONGITUDE: LEGAL: S					
DDIAK K-U	JNIT:	LOCA	L STREAM #:		LONGIT						
USGS QUADR SHORELINE		¥	ALL SEG	MENTS:							
ASC NUMBER:				M RECO							
SURVEY TYPE	1:		OBS	ERVERS	•						
METHOD:	,		AGENCY (IES):								
DATE: / START TIME:	/		AGENCI (IES):								
STOP TIME:		PHOTOS TAKEN?									
			Roll #: Frames:								
NAVE EXPOS:					N? Tape	e Number					
NAME OF THE STATE	ZEN 2		C	ounter	Start:						
SAMPLES TAK	.D. NUMBERS	3: 1.	2.		3	3.					
SAMP DE 1	D. HOHDEN	4.	5.			6.					
	LENGTH	WIDTH	M2	*	THICK	PEN	OIL TYPE				
		-			-						
SITE 1	100	. 20		21	1	10	ST				
SITE 2	20	6			-	10	HON/MS				
SITE 3							15				
SITE 4											
SITE 5	10 Th 10 10 10 10 10 10 10 10 10 10 10 10 10										
OVERALL OIL	IMPACT:				<del></del>						
	CAM CHANNEL?		OIL ON B	EACH W	ITHIN 50M	OF STRE	AM MOUTH?				
Bedrock	UBSTRATE—— Gran	uile		·							
Boulder		CONTRACTOR COMMENT	SPECIES			18 3					
Cobble	silt	:									
Pebble	Vege	t.	COUNT				1				

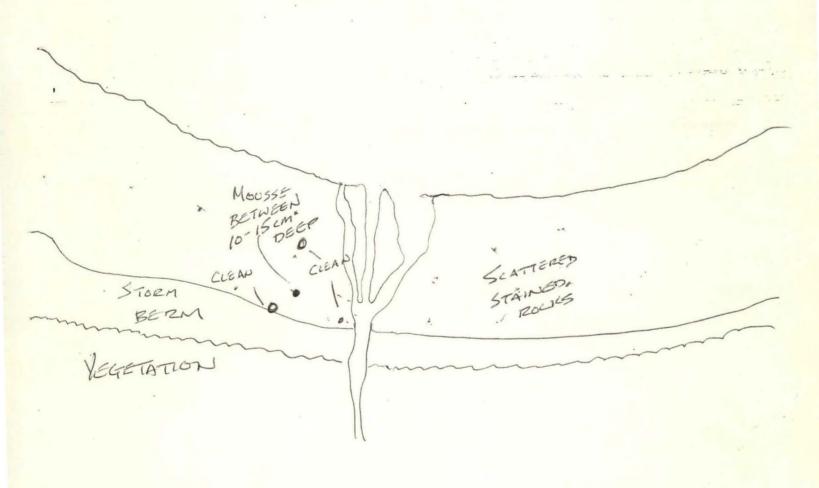
COMMENTS:

~ "		
	ADFAG MULTI-ASSESSMENT DATA FORM	ANADSCAT
1	SURVEY TYPE: ES SS DS TS AVS SCHA MMHS PTA 2 REGION:	PWS KP,CI K,AP
	METHOD: Aerial Ground Boat	
	DATE: 4/20/90 15 HIGH TIDE TIMES: 1007 12304 2	
4	START TIME: 1500 18 HICH TIDE HTS: 9.0 19.4 2	2 OBSERVERS: T. CROWE
	S STOP TIME: 1530 17 LOW TIDE TIMES: 0400 11634 2	
	S SECHENT #: (A-029) 18 LOW TIDE HTS: 4-5 11-6 2	
7	7 STATION #: 19 TIDE HT AT SURVEY:_ Z . 68	Roll #: Frame:
8	K-UNIT: Ebb Stack Flood Slack 2	5 VIDEO TAKEN: YN TAPE#:
9	STAT AREA: 20 USCG QUAD: DEWARD A-3	Start: End:
10	0 LAT: 11 LONG: 2	6 SAMPLES TAKEN? Y N Number
	2 SOURCE: Map Loran	011
13	3 LOCATION: S.E. LATOCHE IS.	Sediment
14	4 DESCRIPTION:	Biological
	EXTENT OF OIL	Water
		6 CATALOGED ANAD. FISH SREAM? Y N
	[	7 CATALOG #: 226-40-16788
27	7 SURFACE COVERAGE (00 20 <1 20 6 0 3	8 STREAM NAME:
28	8 SURFACE THICKNESS < MM O O O 3	9 OIL IN STREAM BED? Y N
29	9 PENETRATION 10 4	O OIL ON STREAM BANKS? Y N STAI
30		1 OIL ON BEACH ADJACENT TO MOUTH? Y N
31	11 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain 4	(within 50 meters) 2 OIL WITHIN 1 MILE OF STREAM? Y
32	2 OILED DEBRIS? Y N	Where:
33	3 SHORELINE TYPE: Headland Low-lying Rocks Beach Cove	43 ANADROMOUS FISH PRESENT? Y N
	Lagoon Marsh	44 ANADROMOUS FISH OBSERVATION
	4 WAVE EXPOSURE: High Moderate Low 32 33	Species Aerial Ground
35	5 SUBSTRATE TYPE: Bedrock Boulder 33 Cobble 33	
	Gravel 33 Sand Mud/silt	
	COMMENTS: STAIN ON SCATTERED ROCKS	72/16 25
	INTEREST - ONE PIT IN A REVEALER	
	(5-10 CM BAND OVERLAIT BY 10 CM CILZ	
	NO TREATMENT RECOMMENDED CONFU	SHELSTON OF DEAD
	ADDLY SEA OTTER	ACE 7379933+5/5/

## 45 PHOTOLOG

FRAME(S)	DESCRIPTION
The state of the s	
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46 OIL DISTRIBUTION DIAGRAM



Sample taken
Photo frame # and
shot direction.

ACE1379933 B

Alaska Department of Fish and Game

ANADSCAT Observations and Recommendations Team 15 - Michael Wiedmer and Tom Crowe

20 April 1990

ASC #

226-40-16785

Segment

LA-031

Observations Very light stain on surface armor observed more than 50 yards north of stream. One partially oiled drift log observed on storm berm south of stream. No buried oil observed in test pits. No other visible signs of significant quantities of buried oil.

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

ASC #

226-40-16788

Segment

LA-029

Observations Scattered stained surface cobbles and boulders found throughout anadromous fish stream zone. One out of four test pits revealed a layer of buried mousse 5 to 10 cm thick underneath 10 cm of clean substrate. Results from other pits indicate that this mousse layer was restricted to a small area.

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

ASC #

226-40-16776

Segment

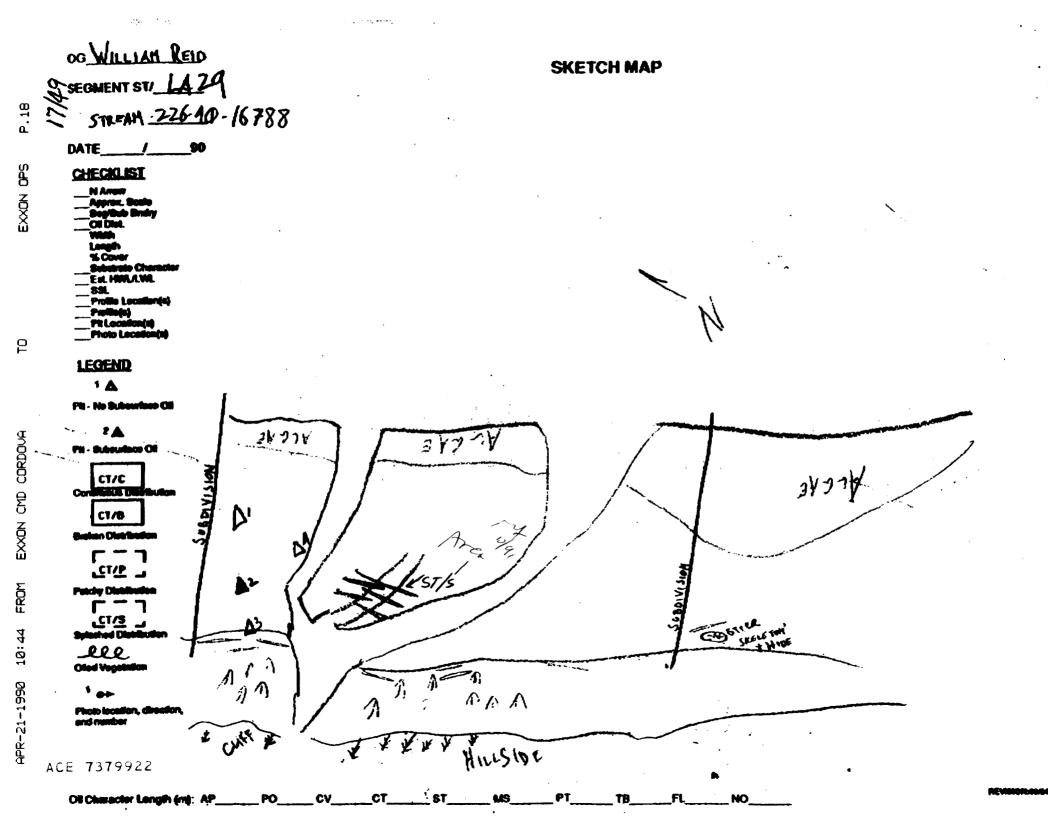
LA-021

Observations Stain and some light tar and light mousse scattered through anadromous fish stream zone. No significant quantities of buried oil observed.

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

ACE 7379912 +/S

									<b>5</b> F	IUH	EL	INE	E 01	İLIN	IG :	SUK	AMA	RY	' (,	4 N	AC	). )	14	0/49	REVISION NO. 04/1
	OG WILLIAM LEID USCG MCMAHON STREAM 126 40 1575 OF  EXXON CUS GARCIA ADEG MIKE VIEDMER TIME: to:  TEAM NO. 15 TIDE LEVEL +3 FT DATE 10 190  EST. SUBDIVISION LENGTH: 60 m Sun Clouds Fog Rain Snow  UPLANDS DESCRIPTION: Grass M Forest D Book																								
	BIO MICHAEL FAWCETT LAND REP_											5	TRE	AM	126	40	15.00	c(OF							
	TEAM NO. 15 TIDE LEVEL +3							ED!	1 <u>FR</u>			,	) A T	T =	lM⊏	—	9.5	to	:	-					
	EST. SUBDIVISION LENGTH: 60 m Sun X Clouds Fog Rain Six									Snow															
	UPLANDS DESCRIPTION: Grass Forest Rock																								
	SURVEYED FROM: Tot Deat Delost Hook SURFACE SEDIMENTS: R % B W & C B % P S % G % S % M % V SLOPE: Lang 100 % Hang % Vert % WAVE EXPOSURE: Dow Med His OIL CATEGORY LENGTH: W M M M M M N D M VL 50 M NO 10									% V															
	SLOPE: Lang 100 % Hang % Vert % WAVE EXPOSURE:									Low	Ø	Med	High												
OIL CATEGORY LENGTH: Wm Mm Nm VL5m NC								0 10																	
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Ecologists summary Segment LA 29 Stream 226-40-16788 4/20/90 Michael Fawcett

Stream month hies on a boulder/cobble/
pebble beach. Scattered light stains
of oil were found in MTZ. Dense
Mussels, barnacles, and Fucus occupy
boulders in MTZ-LTZ. No cleanuf
recommended. Remains of dead sea
offer found on UTZ berm. No obvious
oil or tag, but all that was left
was skeleton and bits of fur. Skull
collected by Tom Crowe (ADF46).
Several offers seen feeding near shore.

MA Jawith

# OPERATIONS FIELD NOTES

SEGMENT I	ANAI	D LA-	29					DATE	4-20	
STREAM ID					NAME		GARCIA			
ANNOTATED MAP INC	LUDED	YIN						TEAM #	15	
						Trantman	• D			-
	Ouen	tition in I	Vators	<b></b>		ediation	t Recom	mendation	Coat Ma	11/2122
CUDEACE OIL		tities in l	1	1			VAL	Tilling	Spot Ho	7
SURFACE OIL	Length	Width	Area	None	Y/N	% Treat	Y/N	% Treat	Y/N	% Tre
Wide Band			ADICALLY	36	-					-
Medium Band	STAINE	D. LE	S THAN	16h	-	-		-		-
Narrow Band	170			N	-					
Very Light				1						
			MANDAYS			0		0	]	0
SUBSURFACE OIL	YES-	LIGH	T FILM	110-	-15 CM	INDE	PTH) O	NLY IN	PIT#2	
Other (Describe)?										
	Quan	tities in l	Meters	Tre	eatment	Rec	ø of	Mandays	Required	]
TARMATS	Length	Width	Thick(cm)	None	Breaku	Remove	Bags	Breakup	Remove	
Area #1		./	1							1
Area #2	7	NE								1
Area #3	1.1	) <del>'</del>								
Area #4	10		-							1
Sporadic Mats			-	<b>-</b>	1					
Operation in the				1	<u> </u>	1		1.	1	J
	Tv	pe of De	bris	In M	leters	7	*			
	Mousse		Cleanup		T	# of		Pickup	Manday	1
MANUAL PICKUP	Tarballs		Debris	Length	Width	Bags		Y/N	Estimate	
"Pocket" #1	Taibais	-	200113	Longin	111001	2482	*	17/15	LStillato	
"Pocket" #2	+	NE	-							
"Pocket" #3	1	010	-							
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OILED LOGS YIN	OILING	H/N	K/L	QUAN	1111	IMIS	BURN	Y/N		ı
Is there Other Debris or	the Beac	h? Y IN	How Ma	any Bags	?	Is it r	ningled v	with the Oile	d Debris Y	IN
	1010 0000		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,			g.oo.			
GENERAL		Snow o	overing 10	2% of the	e Suprati	idal Zone?				
Wave Exposure (H) M	/ L	Access	Limitations	: 1	DONE	-				
Snare Boom/Pom Poms										:/
Would the production C	raft have t	o be rela	ocated to o	omplete i	work on t	this subdiv	rision?	Y 60. # 1	of Times _	LA
COMMENTS:										
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							ACE 73	379926 t	10	

SEGMENT ST 1_29SUBDIVISION:14_788DATE  USCG NAME_CUOZ J. MC MASSONSIGNATURE
ADFECT MICHAEL
LAND MANAGER  NAME_NO_SIGNATURE

## ANAD OUS FISH STREAM EVALUATION

SEGMENT ST/ LA-29 STREAM NO: 226-40-16788 DATE 4/20/90
segment environmental sensitivities and time constraints:  1A Salmon stream mouth - fry outmigration (3/1 to 5/15)  1B Salmon stream mouth - spawning (7/10 to 8/31)
SUBDIVISION ECOLOGICAL CONSTRAINTS: Avoid any unnecessary disturbance or damage to unoiled biota and substrate. The subject stream is located in Subdivision A (1 of 1).
ARCHAEOLOGICAL CONSTRAINTS:  If treatment is planned, a cultural resource evaluation is required prior to shoreline treatment.
SHPO SIGNATURE: July Million DATE: 5/8/90
Subsurface Oil Observed: Yes X No Maximum Depth 15 cm
RECOMMENDATIONS:
XNo Treatment RecommendedSnare/Absorbent BoomsTreatment RecommendedOil Snares (pom poms)Manual PickupAbsorbents (pads,rolls,etc)BioremediationSpot Washing:WandsTarmat RemovalBeach CleanerOther (see comments)
COMMENTS:
TAG COMMENTS:
TAG APPROVAL DATE: 5/7/20.  ADEC ART WELGER DIT WELL  EXXON And TEAL FOSC: DATE: 5-16-90  NOAA Gary Petroe Law Value  USCG G.A. KEITER G.A. Beite

PAGE	1	nr 7
PAGE		Ur

# GENERAL DATA

SD 540-16788	
SEG ID: 14 29 - SUBDIV: TEAM: AS15 SURVEY DATE: 20/0- 10	2
PAVEMENT: CHAR 🕜 AREA 🕜 THICKNESS 🕜 TARBALLS 🕜	
OILED: LGS VEG TRH DBR WAVE EXP: LWMD X HG _	
FAX RCVD: DT: AGENCY DISAGREE:	
EST SUBDIV LGTH: <u>60</u> OIL CATEGORY:W <u>ØMØN</u> OVL <u>50</u> NO <u>10</u> U <u>Ø</u>	
SURFACE DATA	
	_
SURFACE SEDIMENT: BRK ${\color{red} {\mathcal O}}$ BLD ${\color{red} {\mathcal D}}$ COB ${\color{red} {\mathcal S}}{\color{red} {\mathcal O}}$ PEB ${\color{red} {\mathcal S}}{\color{red} {\mathcal O}}$ GRN ${\color{red} {\mathcal O}}$ SAN ${\color{red} {\mathcal S}}$ MUD ${\color{red} {\mathcal O}}$ VEG ${\color{red} {\mathcal O}}$	<u>2</u>
CHAR #: OIL CHAR: <u>ST</u> OIL DIST: CONT - BRKN - PTCH - SPLH X	
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# SSAT DATA ENTRY FORM

SUBSURFACE DATA	PAGE $2$ OF $2$
SEGMENT ID: <u>LA - 29</u> SUBDIV: 226-40-16788	í
PIT # / PIT DEPTH /5 OIL CHARACTER - OIL QUANT: _ OIL CLR: _ FLM CLR: _ ZOI	
SUBSURF SEDIMENT: BRK — BLD ~ COB — PEB X C	
SUBSURI SEDIFICIAL BED COD FED (	ANI PIOD VEG
PIT # 2 PIT DEPTH 25 OIL CHARACTER OF OIL	L INTVAL: FROM 10 TO 15
QUANT: UC OIL CLR: - FLM CLR: BZ ZOI	NE: SU - UI X MI - LI-
SUBSURF SEDIMENT: BRK - BLD - COB - PEB X C	
PIT # 3 PIT DEPTH 25 OIL CHARACTER — OII	
QUANT: OIL CLR: FLM CLR: ZOI	NE: SU <u>*</u> UI <u>_X</u> MILI
SUBSURF SEDIMENT: BRK - BLD COB - PEB X (	GRN_X_SANMUDVEG
· ·	
PIT # $\frac{A}{}$ PIT DEPTH $\frac{20}{}$ OIL CHARACTER ${}$ OII	L INTVAL: FROM 🕖 TO 🕖
QUANT: OIL CLR: FLM CLR: ZOI	NE: SU - UI - MI X LI
SUBSURF SEDIMENT: BRKBLD COB X_ PEB X_ (	GRN - SAN _ MUD - VEG -
<del></del>	
PIT #RIT DEPTHOIL CHARACTEROII	INTVAL: FROM
QUANT:QIL CLR: FLM CLR: ZON	NE: SUUIMI´LI
SUBSURF SEDIMENT: BRKBLDCOBPEBC	GRNSANMUDVEG
PIT # PIT DEPTHOIL CHARACTEROIL	_ INTVAL: FROMTO
QUANT: OIL CLR: FLM CLR: ZOI	NE: SÚ <u>UI MI</u> LI <u> </u>
SUBSURF SEDIMENT: BRK BLD COB PEB (	GRÑSANMUDVEG
	-
PIT # PIT DEPTHOLL CHARACTEROII	INTVAL: FROMTO
QUANT: OIL CLR: FLM CLR: ZON	
SUBSURF SEDIMENT: BRKBLDCOBPEBC	GRNSANMUDVEG
PIT # PIT DEPTHOIL CHARACTEROI	
QUANT: OIL CLR: FLM CLR: ZOI	NE: SU UI MI LI
SUBSURF SEDIMENT: BRK / BLD COB PEB (	GRN SAN MUD VEG
PROBLEMS:	
	ACE 73720

Processed 5.7.90 M/C



DEPT. OF ENVIRONMENTAL CONSERVATION

### ANADROMOUS FISH STREAM ASSESSMENT

REGION: PRINCE WILLIAM SOUND

SEGMENT: LA-29

STREAM NO: 226-40-16788

#### PNO, DEMARD AND RUMER ECULUDICAL CONSTRAINTS

Salmon stream mouth - fry outmigration | Salmon stream mouth - scawning 7/10 t p 5/15)

Salmon stream mouth - spawning (7/10 t 1)

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 on or toxicity levels, such as not 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

- 10
- 1E
- Esther Hatchery release (4/15 to 6/15) Main Bay Hatchery release (4/20 to 6/15) Sawmill Bay Hatchery release (4/15 to 6/1) 1F
- Cannery Creek Histohery release (4/21 to 6/1) 1G
- Remote release site 1H

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 PWŚ Aquacuiture Association for confirmation and authorization.

AGENCY CONTACT PERSON: 1E

ADF&G Larry Pettz 424-3214

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

- 11 Gill net area (6/7 to 8/31)
- Purse seine area. (7/20 to 9/30) 1J
- 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 not 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

Herring spawning (4/1 to 6/15) 24

Contact ADF&G for confirmation - dates and locations may vary. Restrict boat traffic to essential minimum. Avoid damage to unciled intertidal and subtidal algae and seagrass. If plans for treatment include methods such as hot water wash or Inipol application which might affect nearshore oil or toxicity levels, contact ADF&G for consultation and authorization.

AGENCY CONTACT PERSON: ADF&G Evelyn Biggs 424-3235

#### 3N, 3P Harbor seal and sea lion pupping (5/15 to 7/1)

3O, 3Q

Harbor seal and sea lion molting (8/15 to 9/15)
Restrict boat and air traffic to essential minimum. No personnel within 400m. Aircraft to maintain 800m horizontal and 300m vertical distance from haulouts. No application of Inipol within two weeks of arrival dates (work window at these sites is limited to 7/2 to 7/31). Contact ADF&G and USFWS prior to treatment for confirmation.

AGENCY CONTACT PERSON: US National Marine Fisheries Service Steve Zimmerman 586-7235 ADF&G Don Calkins 267-2403

5R Seabird colony (5/1 to 9/1)

Restrict air and boat traffic to essential minimum. No personnel within 800m. Aircraft to maintain 800m horizontal, 300m vertical distance from colony. Contact USFWS prior to treatment.

AGENCY CONTACT PERSON: USFWS Jill Parker 786-3377

5S Shorebird/waterfowl concentration (4/1 to 5/15)

Restrict all activity to essential minimum, especially air traffic. Contact USFWS and ADF&G for confirmation.

AGENCY CONTACT PERSON: USFWS Jill Parker 786-3377
ADF&G Tom Rothy 267-2206

All Baid Eagle nests (3/1 to 6/1) Active Baid 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: **6V** 

**6W** 

7HH

Tent sites (6/1 to 9/15)

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

Lodge (6/1 to 9/15) Special use destination **6X 6Y** 

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

Finfish hervesting

Deer harvesting (8/15 to 2/28) invertebrate harvesting

7,11

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

ACE 7379918

### SHORELINE PRE-CLEANUP ASSESSMENT BLOCK REPORT

Location (see enclosed map): LATOUCHE ISLAND EAST BLOCK
Includes Shoreline Segments: LA-26, LA-27, LA-28, LA-29,
LA-30, LA-31
Submitted: Date: 6/17/89
ISCC Recommendation: June 1 Michel Date: 8/25/85  FOSC Approval:
FOSC Approval: Date: 6-15-69
V
The cleanup procedures identified in the Shoreline Cleanup Program are recommended. Modifications to these systems can be made in the field. Exxon and other field personnel are encouraged to suggest innovations and productivity enhancements to the OSC's on-scene representative. The OSC's representative has the authority to approve on-site modifications. The Field Resource Team should be consulted if these actions do not fit within the Ecological Constraints of the Shoreline Cleanup Program. Requirements for safety and the protection of cultural material must be observed.

## Distribution:

Exxon Shoreline Coordinator Exxon Shoreline Supervisor Exxon SCAT file

SHPO FOSC CDFU NOAA EPA (FS)

USFW

A.DEC

A.FG

A.DNR

CAC

PWSCA

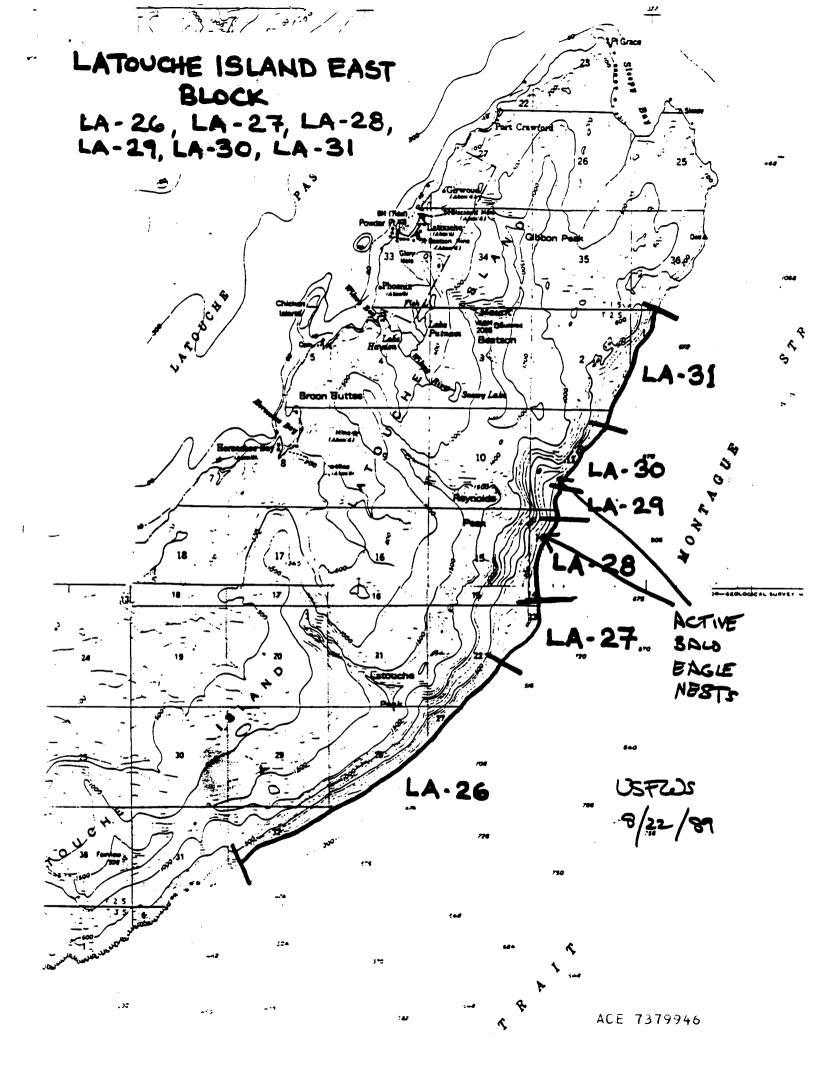
USFS

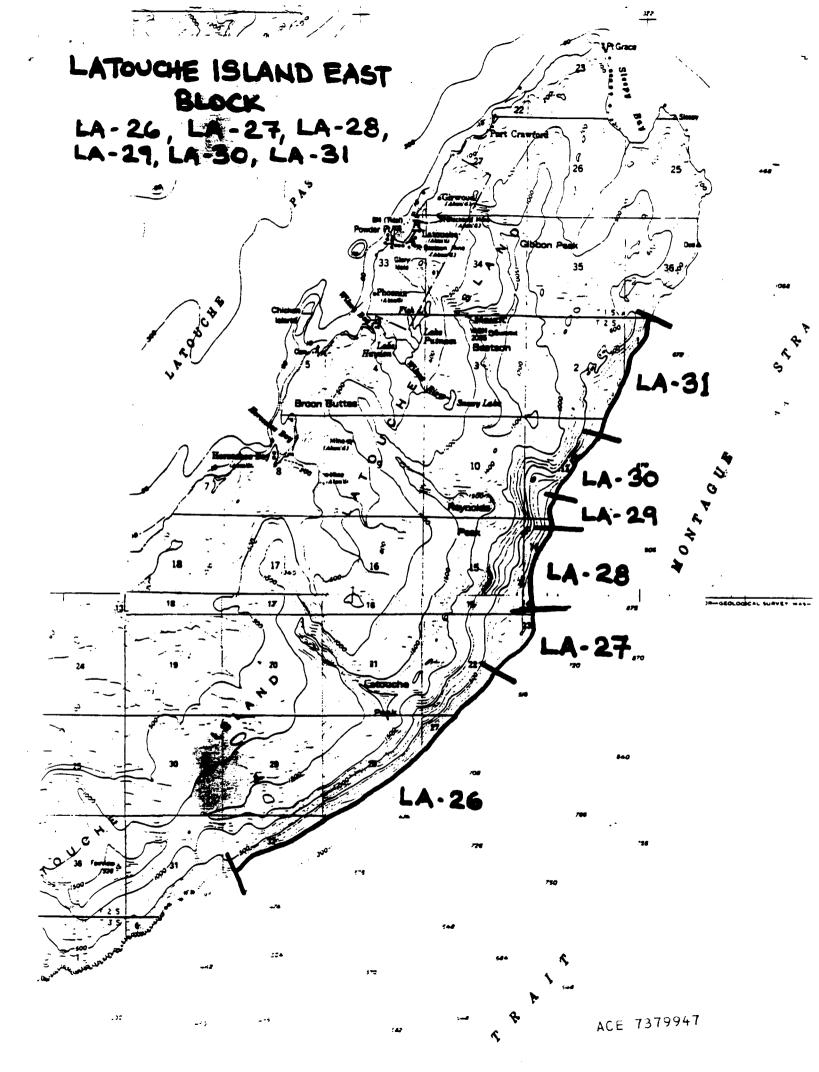
## \*\*\*\*\*\*\* SCOT NOTE \*\*\*\*\*\*\*

THERE ARE ITEMS OF GREAT CONCERN IN THIS APPROVAL BLOCK THAT AFFECT THE DEPLOYMENT OF CREWS AND EQUIPMENT.

## READ THIS FIRST

ALL SHORELINE SEGMENTS WITHIN THE LATOUCHE ISLAND EAST BLOCK ARE ON LANDS OWNED BY CHUGACH ALASKA CORPORATION. PERMIT NO ACCESS TO UPLAND AREAS AT ANY TIME.





# FILE COPY

Revel 8/21/89 J. Marrison

(version 8/04/89)

## SHORELINE PRE-CLEANUP ASSESSMENT BLOCK REPORT

Location (see enclosed map):	LATOUCHE ISLAND EAST BLOCK
Includes Shoreline Segments:	LA-26, LA-27, LA-28, LA-29,
LA-30, LA-31	<del></del>
Submitted: (for Exxon)	Date: 8//7/89
ISCC Recommendation:	Date:
FOSC Approval:	Date:
are recommended. Modifications to field. Exxon and other field per innovations and productivity entrepresentative. The OSC's representative modifications. To consulted if these actions do Constraints of the Shoreline Clasfety and the protection of cult	
District - OK - CAC uplaced	LA-26: no-cleanup O.K.
buffer if fish  ha-29 F16779 buffer	where? active? O.K. for sionemed- & distant
1 LA-30 OK 1 LA-31 - 16785 nocle	LA -28: Eagle next (?); are -
i i (	pelble great for must pelble great to sold to the sold
USFS	11+31: Bioremed, neens. a.K. Same consideration as 29 \$30

