

DEC Segment LA039A
ASC# 226-40-16720

PWS

STREAM#: 2264016720
PURPOSE: CLEANUP

SEGMENT#: LA039 A

LOCATION: LATOUCHE ISLAND

STREAM NAME:

DATE	OBSERVER OTHER REPS	WORK ORDER DATE	DEMOBIL. DATE	SURFACE OIL SUBSURFACE OIL	TREATMENTS	AMOUNT REMOVED	REMAINING OIL
06/28/91	MONTESANO (ADEC) EXX BOYER NAUMAN, USCG MCMAHON		06/28/91	TB AP CV CT ST SOR	MANUAL SHOVEL, RAKE	5 GEO BAGS	SURFACE CV CT ST LT/SOR.

COMMENTS:

HELO TEAM. WE WORKED BY ANAD STREAM 2264016720 FOR WHICH A PERMIT WAS ISSUED TO SCOTT NAUMAN. THE (AREA B) MSOR TO BE TILLED NEXT TO THE STREAM WAS FOUND IN SMALL QUANTITIES WHICH WERE EASILY TILLED AND SCATTERED. NO SHEENS WERE NOTED FROM THE MSOR IN B. AREAS C, A AND E WERE DISTINCT PATCHES OF SOR/AP, SOME LSOR REMAINS IN AREA E. AREA D INVOLVED REMOVING MS/AP DEPOSITS FROM UPTURNED SHALE/ROCK. ALL OF THE DEPOSITS LOCATED WERE TREATED. THE D WORK AREA WERE GENERALLY LESS THAN 30CM*30CM AND LESS THAN A DOZEN IN NUMBER. WORK COMPLETED UNDER STATE WORK ORDER. NO WORK ORDER MODIFICATION REQUESTED. NOT RECOMMENDED FOR FUTURE REASSESSMENT.

SURFACE SEDIMENTS R 10%, B 15%, C 35%, P 20%, G 20%. SUBSURFACE SEDIMENTS R 15%, B 15%, C 30%, P 30%, G 10%.

CLEANUP FROM 1300 TO 1400.

CLOUDY WEATHER. LOW WAVE EXPOSURE. MID TO UPPER INTERTIDAL. SUBSISTENCE AREA.

END OF REPORT

OUTPUT SCREEN

entered 7/9/91 Kz.

22640 16720

ADEC DAILY SHORELINE ASSESSMENT (rvsd 4-15-91)

A

LOCATION West Side Latouche Island SEGMENT LA39 SUBSEG 4

DATE 6-28-91 TIME: Begin 1300 End 1400 SITE A,B,C,D,E
WEATHER: (Cloudy) Rain Fog Snow Sunny Other

MONITOR(S) Peter Montesano

ENVIRONMENTAL CONSTRAINTS Anad Stream, Subsistence Area

DESCRIPTION OF TREATMENT SITE:

SHORE COMPOSITION

Surface sediments: R 10 % B 15 % C 35 % P 20 % G 20 % S 0 %

Subsurface sdmnts: R 15 % B 15 % C 30 % P 30 % G 10 % S 0 %

Wave Exposure: (Low) Moderate High

OIL CHARACTERISTICS Before Treatment

Surface: Mousse Tarball/Patty Pavement Cover Coat Stain SOR

Subsurface: OP HOR MOR LOR OF Depth: - Thickness: -

Across Tidal Zone: Low (Mid) (Upper) Supra

TREATMENT PERFORMED:

MANUAL REMOVAL Type: (MS) (TB) (AP) (SOR) OP OR OF

MANUAL RAKING MECHANICAL TILLING - WITH/WITHOUT TIDAL FLUSH

BERM RELOCATION BIOREMEDIATION granular lbs Inipol gal

OTHER

EQUIPMENT USED Shovels + Rakes

WORKERS ON SITE: # ORTS 1 OTHER

OTHER REPRESENTATIVES: EXXON Boyer + Neuman

USCG McMahon

OTHER

METHOD TO CONTAIN/COLLECT OIL

NUMBER OF BAGS COLLECTED: Oiled Sediments 5 geobags Oiled Debris
Oiled Vegetation Uncoiled Debris Oiled Logs Present

LA 39A
SEGMENT _____ MONITOR montesano DATE 6-28-91
PHOTOGRAPHS: Roll # _____ Frames _____ Reason _____
VIDEO: TAPE # _____ Reason _____

COMMENTS: (Observations, problems & efforts made to correct, etc.)

Helo team. we worked by gulch stream # 226-40-16720
for which a permit was issued to Scott Nauman. The (area B)
M/SOR to be tilled next to the stream was found in
small quantities which ~~was~~ easily tilled and scattered. No
Sheens were noted from the MSOR in B. Areas C, A & E
were distinct patches of SOR/AP, some L/SOR remains in
area E. Area D involved removing MS/AP deposits
from upturned shale/rock. all of the deposits located
were treated. The D work areas were generally less
than 30x30cm and less than a dozen in number.
work completed under state work order.

OIL CHARACTERISTICS After Treatment

Surface: Mousse Tarball/Patty Pavement Cover coat stain LT/SOR

Subsurface: OP HOR MOR LOR OF Depth: _____ Thickness: _____

TAG WORK ORDER COMPLETED? NO ☒ YES COMMENTS _____

WORK ORDER MODIFICATION REQUESTED? ☒ NO YES DATE _____

RECOMMEND FOR FUTURE REASSESSMENT? ☒ NO YES (include map
identifying treatment performed and oil remaining)

SIGNATURE [Signature]

EXXON Valdez Oilspill Cleanup

Anadromous Fish Stream Authorization

Date June 28, 1991

EXXON Authorized Representative Scott Nauman

Shoreline Segment LA039A

Anadromous Fish Stream Number(s) 226-40-16720

Approved Cleanup Techniques Manual removal and
tilling of oiled sediments.

Approved Cleanup Period May 10 to July 10, 1991

Alaska Department of Fish and Game

Mark Faint
Authorized Officer

Scott A. Nauman
Permittee's Signature

TEAM NO. 5 SEGMENT LA 39 SUBDIVISION A DATE MAY 26 1991

226-40-116720

ADEC

NAME _____ SIGNATURE _____

☐ NTR ☒ Treatment Recommended.

Recommend completion of P.U. begun by our crew in area ACD + E. AP + SOA/H sediments are easily identified + accessible for expediting treatment. Light manual crew 4-wheeler would be helpful at high tide as beach area is extensive.

EXXON

NAME JOHN DEAN SIGNATURE [Signature]

☒ NTR ONE LARGE TARMAT, 10 X 10 M, REMOVED DURING SURVEY. IN ADDITION 1 X 30 M AP AREA, 7 BAGS, WAS REMOVED AND RAKED AFTER SURVEY WAS COMPLETE. THIS WAS MONITORED AND APPROVED BY STEVE WARD, CVC REP.

LANDMANAGER

NAME STEVE WARD OF CVC/CAC SIGNATURE [Signature]

☐ NTR Asphalt in shale CRACKS - Band of asphalt that is broken into short 10' section. tan patches - weathered thin asphalt patches - coast, splash.

NO-BIO.

USCG/NOAA

NAME DREHER / [Signature] SIGNATURE CWO K. L. [Signature]

☒ ^{NTR} No recoverable oil quantities found. Found traces of stable, non mobile oil. KRA

☐ NTR 28 Bags of oiled debris was recovered from sites A and E. Additional AP remains in less continuous bands elsewhere on the subdivision which could be retrieved. DDC

1991 MAYSAP EVALUATION

SEGMENT: LA 039 SUB: A REGION: PWS SURVEY DATE: 5/26/91

ENVIRONMENTAL SENSITIVITIES:

Work Window(s) OPEN 5/1 - 7/10; RESTRICTED 7/10 - 9/15

Ecological/Constraints (see page two for details) Eagle nest, Subsistence - Deer harvesting

ARCHAEOLOGICAL CONSTRAINTS:

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

SHPO Signature: Timothy Smith Date: 6/07/91

RECOMMENDATIONS:

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

COMMENTS:

INITIAL:

TAG:

FOSC:

TAG APPROVAL DATE: June 6 1991 FOSC APPROVAL DATE: 6/8/91

ADEC John Bauer FOSC E. E. PAGE, CDR, USCG

EXXON Beal CHIEF OF STAFF, FOSC

USCG Ed Malle

NOAA Frank

The state will evaluate the need to treat this Subdivision JB

1991 STATE WORK ORDER
EXXON VALDEZ OIL SPILL PROJECT
STATE OF ALASKA

PRINCE WILLIAM SOUND

SEGMENT: LA039 SUBDIVISION: A
ANADROMOUS FISH STREAM, SUBSISTENCE AREA

SITE:

RECOMMENDED TREATMENT:

AT SITES A,C,D,E
MANUAL PICKUP OF AP/HSOR
AT SITE B
MANUAL TILL MSOR

ENVIRONMENTAL SENSITIVITIES:

ANADROMOUS FISH STREAM, SUBSISTENCE AREA

WORK WINDOW: -

CLEANUP PLAN AND COST ESTIMATE DUE:

DATE SUBMITTED: 06/06/91

STATE ON SCENE COORDINATOR:

John Bauer for E.P. Jr.

1991 MAYSAP EVALUATION

SEGMENT: LA 039 **SUB:** A **REGION:** PWS **SURVEY DATE:** 5/26/91

ENVIRONMENTAL SENSITIVITIES:

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Ecological/Constraints (see page two for details) Eagle nest, Subsistence - Deer harvesting

ARCHAEOLOGICAL CONSTRAINTS:

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

SHPO Signature: _____ Date: _____

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

COMMENTS:

INITIAL: John R.V. 11/1/91 area A-E F 11/1/91

TAG: NTK - cotate neeval.

FOSC: _____

TAG APPROVAL DATE: _____ **FOSC APPROVAL DATE:** _____

ADEC _____ **FOSC** _____

EXXON _____

USCG _____

NOAA _____

**ECOLOGICAL CONSTRAINTS
1991 FIELD ACTIVITIES**

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

Subsistence - Deer Harvesting: Unlimited treatment prior to 8/15.

OG CHANEY

BIO CRANK

SEGMENT LA-39

ADEC HAYES

LANDMANAGER WARD for CAC
CUC

SUBDIVISION A

MAY 25 EXXON DEAN
19:35 20:30
26 TIME 06:25 to 07:50

USCG/NOAA DREHER/CLINE
+9 +6
TIDE LEVEL - ft. to 0 ft.

DATE MAY 25 / 91
MAY 26

ENERGY LEVEL: ☐ H ☒ M ☐ L

SURVEYED FROM: ☒ FOOT ☐ BOAT ☐ HELO WEATHER: ☐ SUN ☒ CLOUDS ☐ FOG ☒ RAIN ☐ SNOW

TOTAL LENGTH SHORELINE SURVEYED: 3084 m NEAR SHORE SHEEN: ☐ BR ☐ RB ☐ SL ☒ NONE

EST. OIL CATEGORY LENGTH: W - m M 6 m N 82 m VL 115 m NO 2881 m US - m

L O C	SURFACE OIL CHARACTER										SURFACE SEDIMENT TYPE	SHORE SLOPE VHML	AREA		ZONE				NOTES
	AP	MS	TB	SOR	CV	CT	ST	FL	DB	NO			WIDTH m	LENGTH m	S	UI	MI	LI	
A				P							CP	L	3	6		✓			ADJACENT TO STREAM
B				P							CPG	L	0.5	12		✓			ALONG STREAM BANK
C	P					T					RPB	L	1	40		✓			HIGH TIDE LINE
D	S			S		T					CP	L	1	100		✓			DISCONTINUOUS PATCHES
E				P							CP	L	1	20		✓			DISCONTINUOUS MAT
F	T					T	T				RCP	L	10	15		✓			RANDOM SLATTERS

DISTRIBUTION: C = 91-100%; B = 81-90%; P = 71-80%; S = 61-70%; T = <1%

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

PHOTO ROLL # MAYSAP-

5 23

FRAMES 1-3

PIT NO.	PIT DEPTH (cm)	SUBSURFACE OIL CHARACTER								OILED ZONE cm-cm	CLEAN BELOW Y/N	H2O LEVEL (cm)	SHEEN COLOR B R S N	PIT ZONE				SURFACE-SUBSURFACE SEDIMENTS	NOTES
		OP	HOR	MOR	LOR	OF	TR	NO	S					UI	MI	LI			
1	10		✓						0-4	Y	-	-		✓			PG-PGS	Through AP	
2	25							✓	-		-	-		✓			GS-GS		
3	25							✓	-		-	-		✓			GS-GS		
4	25							✓	-		-	-			✓		GS-GS		
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SHEEN COLOR: B = BROWN; R = RAINBOW; S = SILVER; N = NONE

(A) Over 7m² AP removed by our crew. Residual SOR remaining.
OG COMMENTS: (B) SOR/M ALONG WEST SIDE OF STREAM BANK IN
PATCHES PARALLEL TO STREAM CHANNEL. SUBMERGED AT HIGH TIDE.
(C) PATCHES OF AP IN LOW RELIEF VERTICAL BEDDING PLANES. (E) 34cm AP DEEP WAS
PU BY OUR CREW. REMAINING SOR WAS RAKED. (F) RANDOM SPLATTER
AP, CV, CT IN VERTICALLY BEDDED SHALE.

REVIEWED: MC 5/30/91
reviewed 5/30/91 KG

* NOTE: OIL ≤ 5cm DEEP IS NOT SUBSURFACE

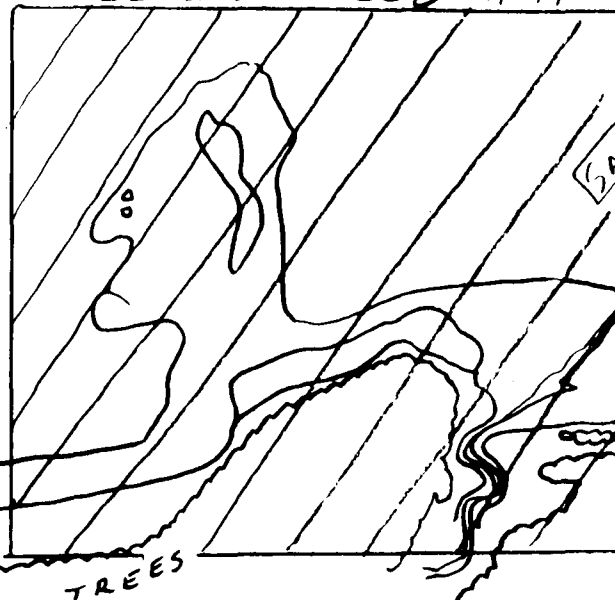
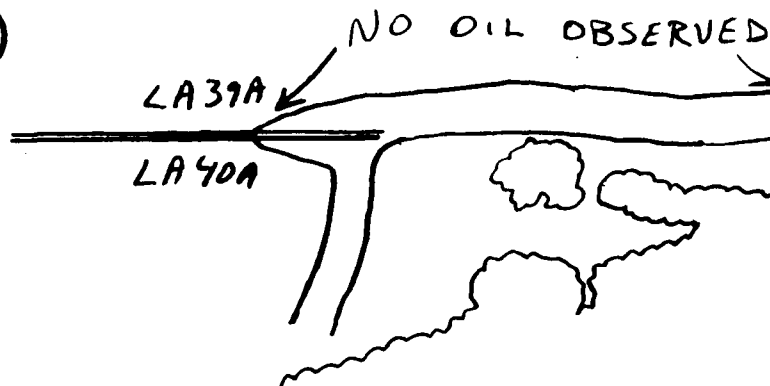
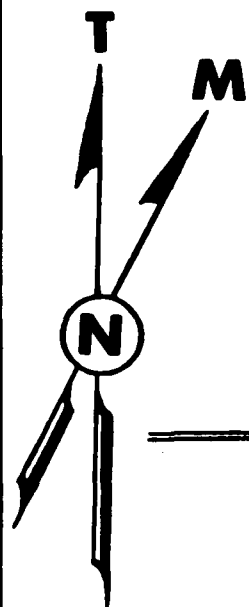
MAYBAP 1991
 DG SKETCH MAP
 GREG CHANEY
 TEAM 5

ORIENTATION MAP

SEGMENT: LA39A
 DATE: MAY 26 1991
 AIR P.N.: PIM-C 005-44

L A T O U C H E
 P A S S A G E

SEE ENCLOSED MAP



SAUSAGE BOOM P.U.

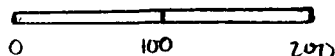
NO OIL OBSERVED

EAST TO
 LA-38-A
 NO OIL
 OBSERVED

LEGEND

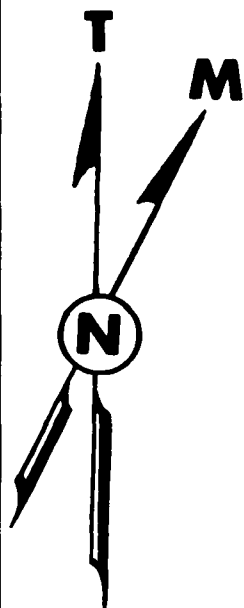
BEDROCK	
BOULDERS	
FINE BED.	
DRIFT LOG	
GRASS	
BRUSH	
FOREST	
OILED PIT	
NO OIL PIT	
PHOTO	

SCALE



LATOUCHÉ
 ISLAND

MAY8AP 1991
 OG SKETCH MAP
 GREG CHANEY
 TEAM 5
 SEGMENT: LA-39A
 DATE: MAY 26 1991
 AIR P.#: PIM-C-005-44



LEGEND

BEDROCK	
BOULDERS	
FINE BED.	
DRIFT LOG	
GRASS	
BRUSH	
FOREST	
OILED PIT	
NO OIL PIT	
PHOTO	

SCALE

APPROXIMATELY
 100 METERS

F 10x15m AP <1%
 CV <1%, CT <1%
 RANDOM SPLATTERS

No Field Data
 Assume:
 1x15m HOR

12m² APPU
 E 1x30m SOR
 40% REMAINING

D 1x100m
 AP 4m² SOR 3m³
 CT <1% DISCONTINUOUS
 PATCHES

C 1x40m
 AP 5m²
 CT <1%
 AP PATCHES IN
 VERTICALLY BEDDED
 SHALE

A 3x6m
 SOR 40%
 REMAINING

21 bags
 AP removed

B 0.5x12m SOR 20%
 ALONG STREAM BANK
 SOR/H PU
 SOR/M REMAINS

TIDAL
 MARSH

END OF SURVEY
 ALONG STREAM BANKS

SAND

TIDE POOL

Revised 5/30/91 RG
 Reviewed: MC 5/30/91

MAYSAP BIOLOGICAL SUMMARY FORM

pg 1 of 3

TEAM # 5

DATE 25/26 May 1991

SEGMENT # LA-39

TIDAL HEIGHT(Range) +4 → +6 / -1 → 0

SUBDIVISION A

BIOLOGIST Crank

SEA STATE <1' (swell)

WIND SPEED/DIRECTION no wind

PHOTOGRAPHS: ROLL # 23

FRAME # 2, 3

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

(A) Area is an oiled patch in the MITZ ~3m from the east bank of an approximately stream. *Valoniopsis* was found within the site. Two meters from site, *Fucus* barnacles and *Littorina* cover ~5% of the surface seaweeds. In the high MITZ, *Littorina* sparse. *Fucus* with mature conceptacles, sparse to rare concentrations of barnacles and rare concentrations of mussels and *Emertonia* worms are present. Biota cover is ~20%. In the mid-MITZ, species concentrations are the same. In addition, *Scytosiphon*, *Porphyra* and filamentous green algae are present. In the low MITZ there is a wide filamentous green algae mat with rare concentrations of *Fucus* and barnacles. *Littorina* are moderately concentrated. *Porphyra* and *Scytosiphon* are present. Biota cover is 50%. In the LITZ there is a stand with many other algae, *Ulva*, Laminarian kelps, *Odonthalia*, *Scytosiphon* and bladed and filamentous red and green algae cover ~40% of the surface area.

(B) Area is located in the SUPRA along the west stream bed and bank. Directly above the AP pitures, rye grass and seasonal plants are sprouting.

(C) Area is a pond in the UITE along boulders and bedrock with corals. Within the site there are rare concentrations of *Fucus* sporlings and *Littorina* barnacles. Moderate concentrations of *Littorina* and *Littorina*. Biota cover is ~1%. Directly below the site there is a 10m wide band of densely concentrated *Fucus* with sporlings and mature conceptacles.

WILDLIFE OBSERVATIONS

TO BE COMPLETED IN ALL SUBDIVISIONS

BIRDS	# OF SPECIES	TOTAL BIRDS	FISH OBSERVED SPECIES PRESENT
Eagles	1	2	juvenile eels
Seabirds	1		
Waterfowl	2	~20	
Gulls/Kittiwakes		34	
Shorebirds	3	16	
Corvids			
Other Birds			

LAND MAMMALS

MARINE MAMMALS	# OBSERVED	SPECIES	# OBSERVED
Sea Otters		oil gear tracks	
Pinnipeds (specify)	5 Harbor Seals		
Whales (specify)			

Shoreline subdivision map showing important biological features attached.

Reviewed: MC 5/30/91

Reviewed 5/24/91 DM

100 25/20 M. 200

Test Page - 4 → 10 / - → 0

Elaborate more

[illegible]

(C) In the MITZ, show the Focus area, there are several hydrothermal vents, some of which are black smokers, and some white smokers. The Focus, Ophiocenter and Syntherisma regions are present. Biotin cover is ~10%.
The TR area cover is 790%. Some green nodules:
Chloroflexus, Gammarus sp., Odonthalia floccosa, O. washingtonensis,
Scytosiphon, bladed corals, filamentous greens, Halosaccion and eelgrass.
A clam bed is also present.

(D) Area is in the OITZ. Within the site there are rare concentrations of Fucus sporophytes and barnacles; sparse concentration of Littorina and dense limpets. Biota cover is ~5%. Within 5 m below the site barnacles (sporophytes) are moderate to sparse; mussels and Gloiopehtis are sparse; and Littorina and limpets are dense. Biota cover is ~50%. In the LITZ, the algal cover is continuous from (C). The clam bed is still present. In addition, there are juvenile eels, Peynupodia (sea star), moon snail egg cases and dense patches of white sea cucumbers.

(E) Area is located in the U12. Black lichen encrusts ~30% of the sediments. There are patches of bare rock showing through lichen in oil-drip shapes. There are rare Littorina and polychaete worms present within the site covering <1% of the surface sediments.

REVISOR: MC 5/30/91

Team #5

Segment LA-39

Subdivision A

Sea State ~~4~~ (swell)

Date 25/26 May 1991

Tidal Range +4 → +6 / -1 → 0

Biologist Crank

Wind Speed/Direction no wind

Comments

(F) Area is located in the LITZ. White, yellow and black mud covers ~50% of the surface segments. No other macrobiota is present within the site.

The MITZ and LITZ of areas E & F are similar to that of area D. (See photo roll #23, Frame #3).

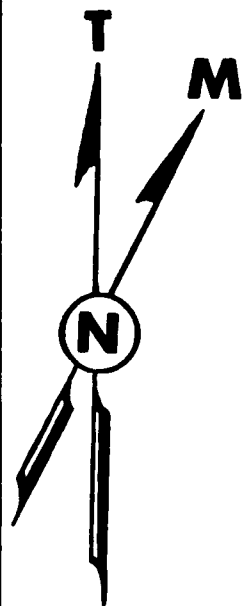
Below (F) there are 2 patches (10m² ; 15x3m) of Clam Shells (Trexus) partially exposed. The shells are filled with sediment. (See photo roll #23 Frame #2).

Within this subdivision, in an area where no oil was observed, there is a small river delta. This area is utilized by waterfowl and shorebirds.



MAYBAP 1991
 OG SKETCH MAP
 GREG CHANEY
 TEAM 5
 SEGMENT: LA-39A
 DATE: MAY 26 1991
 AIR P.#: PIM-C-005-44

BIG MAP
 TATU CREEK



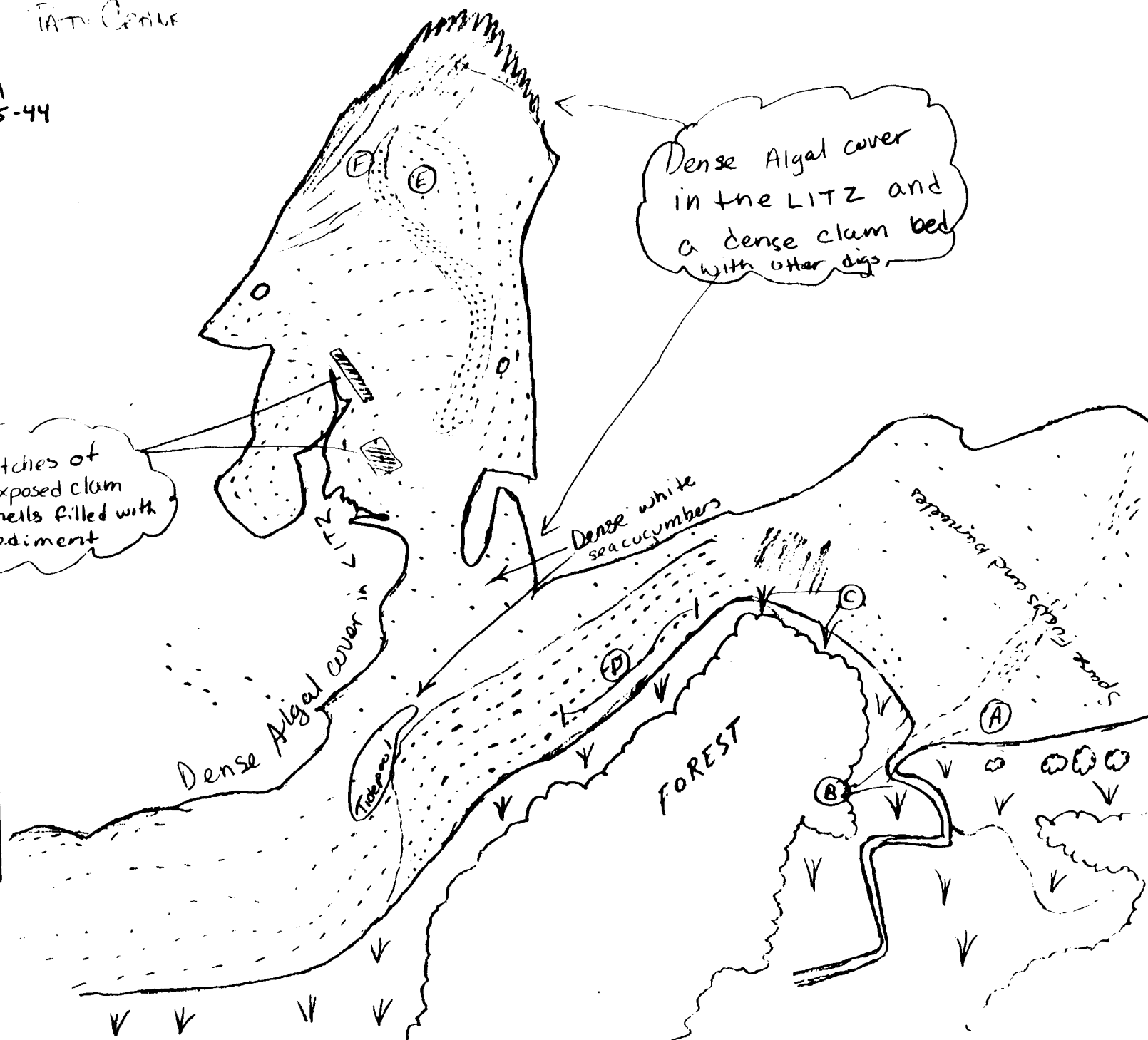
Patches of
 exposed clam
 shells filled with
 sediment

Dense Algal cover
 in the LITZ and
 a dense clam bed
 with other digs

LEGEND

BEDROCK	
BOULDERS	
FINE BED.	
DRIFT LOG	
GRASS	
BRUSH	
FOREST	
OILED PIT	
NO OIL PIT	
PHOTO	

SCALE



U.S. FISH AND WILDLIFE SERVICE (FWS)
SHORELINE ACTIVITY/BALD EAGLE IMPACT EVALUATION

Date 5/26/91 5/25/91 Shoreline Segment/Subdivision LA 39A No map

Shoreline activity Assessment Team Survey

FWS Observer Time - Begin 5/25/91 - 5:30 PM Time - End 5/25 - 7:30 PM
5/26/91 - 6:30 AM 5/26 - 8:00 AM

Surveyors/workers _____

Nest in view/monitored: Y ☒ N Adult in nest: Y ☒ Unk.

Adverse eagle response: Y ☒ N Adult left nest: Y ☒ Unk.

Time	Type of human activity/eagle response
5/25 6:00 PM	No eagle activity or nests were located in this segment.
5/26 6:30 AM	The Segment was completed with 1 juvenile bird sitting on the northern end.

Survey/work activities completed: ☒ Y ☐ N

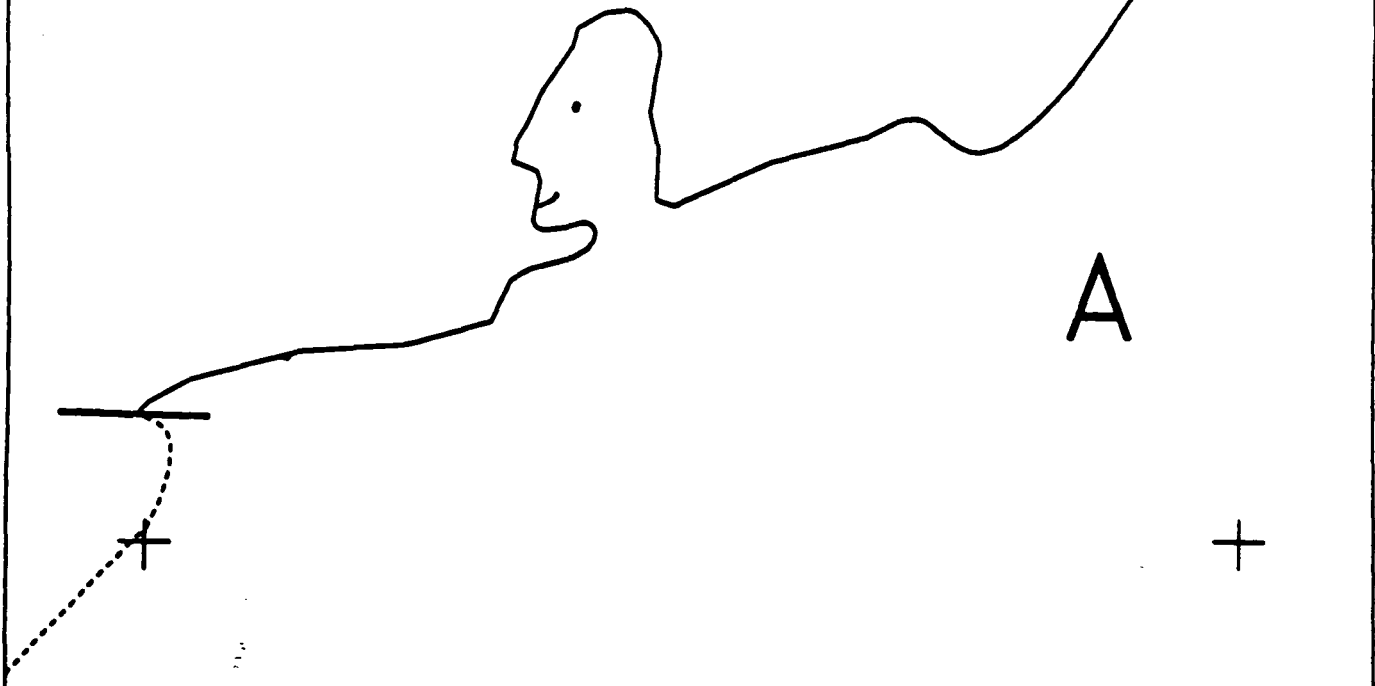
Personnel withdrawn due to eagle conflict: Y ☒ N

Recommendations: No monitor is required on this Segment.

FWS Observer Mike Luke Date 5/26/91



LA-39

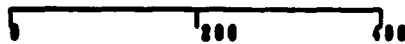


A



LA039 A

METERS



AS State Plane Zone 4
plus 3000

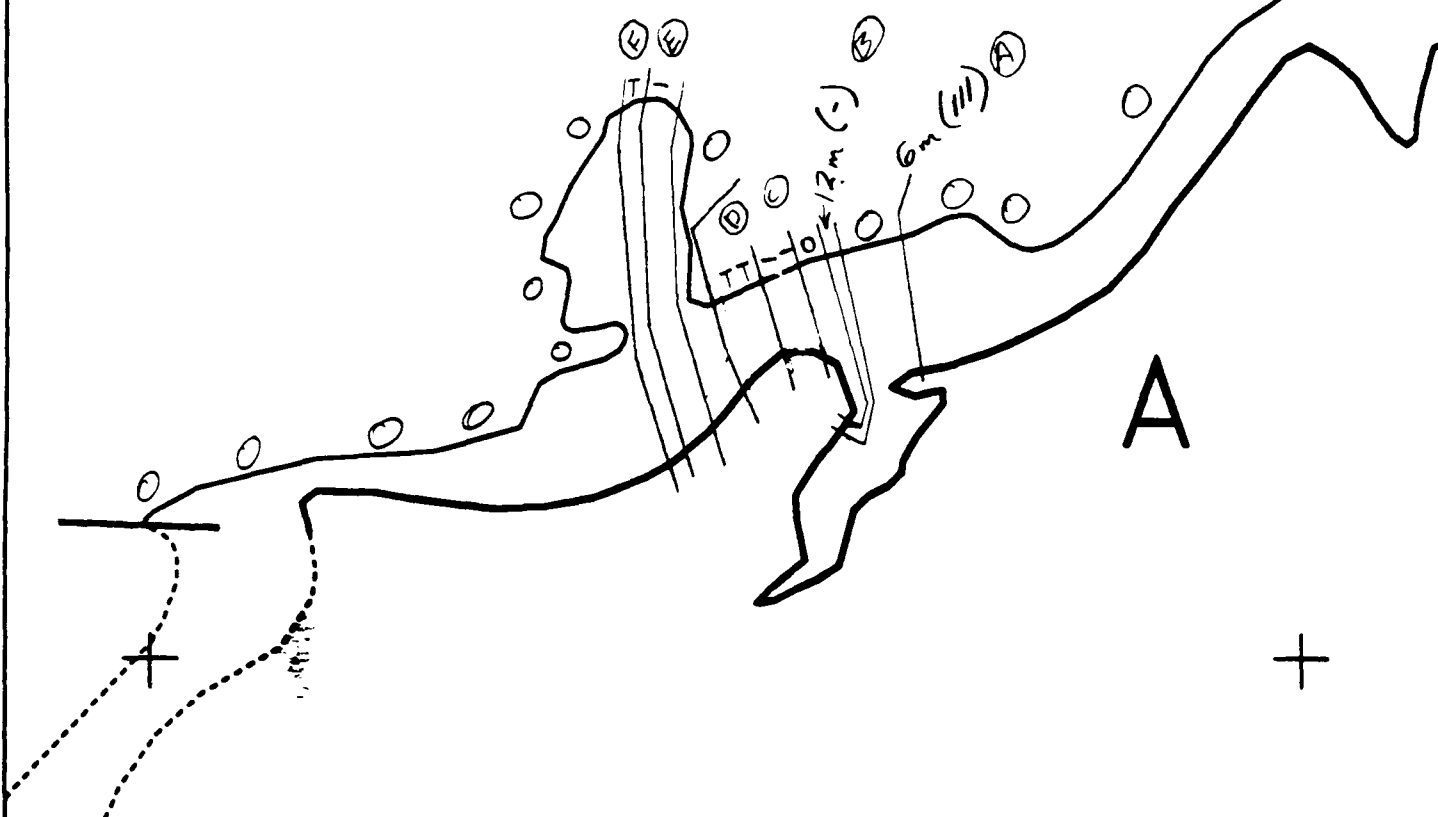
Subdivision Field Map

Map Key: PVSLA039Aa

Name: _____

Date: _____

LA-39



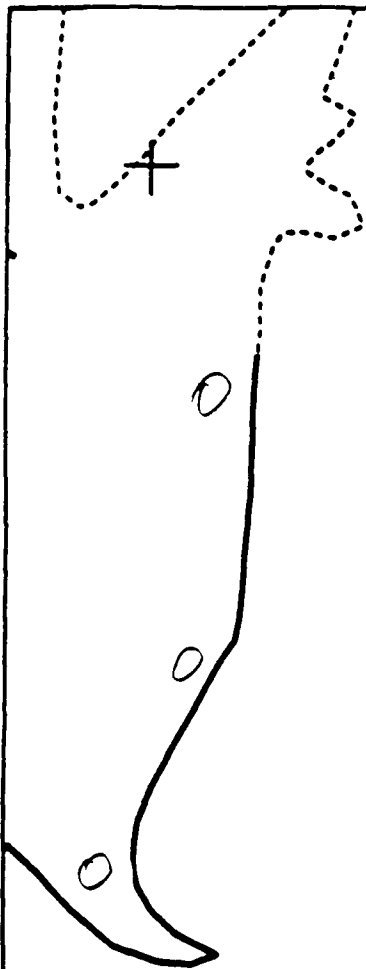
XXXX Wide
 //// Medium
 ---- Narrow
 TTTT Very Light
 0000 No Oil

LA039 A
 ADEC Subsegment Length: 3084m
 METERS
 0 200 400
 AK State Plane Zone 4
 pl039aa

Subdivision Field Map
 Map Key: PWSLA039Aa
 Name: Greg Chaney
 Date: MAY 28 1991
 Date Entered:



Reviewed: mc 5/30/91
 raised 5/30/91 k6



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

LA039 A
ADEC Subsegment Length: 3084m
METERS
AK State Plane Zone 4
pl039ab



Subdivision Field Map
Map Key: PWSLA039Ab
Name: Greg Chaney
Date: MAY 28 1991
Date Entered:

REVIEWED: MC 5/30/91
revised 5/30/91 RG