non-reassessment stream
Kodiak-Rex Creek DB002M
ASC# 262-75-10020 ORIGINAL

ADF&G MULTI-ASSESSMENT DATA FORM

1) SURVEY TYPE: (BS) SS

2) REGION: PWS KP,CI K(AP)

3) METHOD: Aerial (Ground) Boat

4) DATE: 5-28-91

5) START TIME: 0930

6) STOP TIME: 1000

7) SEGMENT #: DB002M (M7)

8) K-UNIT: K10-09

9) LAT: _____

10) LONG: _____

11) ASC #: 262-75-10020

12) STREAM NAME: REX Creek

13) LOCATION: Dry Bay, AK Peninsula.

14) WAVE EXPOSURE: High (Moderate) Low

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

16) HIGH TIDE TIME: 0238 1548

17) HIGH TIDE HTS: 18.3 16.7

18) LOW TIDE TIMES: 0916 2120

19) LOW TIDE HTS: -2.0 3.5

20) TIDE HT AT SURVEY: -2.0

Ebb (Slack) Flood Slack

21) USCG QUAD: _____

22) TEAM RECORDER: J. BARNHART

23) OBSERVERS: D. Spurr, R. Coulter, J. Hardistry

24) AGENCY: ADF&G/USCG/Exxon/USF&WS

25) PHOTOS TAKEN: Y (N)

ROLL #: _____ FRAMES: _____

26) VIDEO TAKEN: Y (N)

TAPE # _____

START: _____ STOP: _____

27) SAMPLES TAKEN? Y (N)

SAMPLE I.D. _____

28) EXTENT OF OIL

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1	35	1	35	2	1.5	Ø	TB/SOR
SITE 2							
SITE 3							
SITE 4							
SITE 5							

29) OVERALL OIL IMPACT:

H = >6m band with ≥50% oil coverage

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

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

(VL) = ≤10% oil coverage regardless of band width

N = No oil observed

30) OIL IN STREAMBED: (Y) N

31) OIL ON BEACH ADJACENT TO MOUTH: (Y) N

32) SUBSTRATE TYPE (PERCENT):

Bedrock ____ Boulder ____ Gravel 10 Sand 90 Cobble ____ Mud/Silt ____

33) ANADROMOUS FISH PRESENT: (Y) N

34) WILDLIFE OBSERVATION

Species	Number
unidentified salmon fry	30

35) COMMENTS: Oil (35x1m) was located at Tributary stream to Rex creek at mouth; Oil band continued along the beach to the end of the segment, a total distance of 825m. Band width 30 m L 1% TB/SOR.

Note: was able to survey south (stream) bank of Rex creek only, unable to survey north bank/mouth. Very brief survey of stream mouth

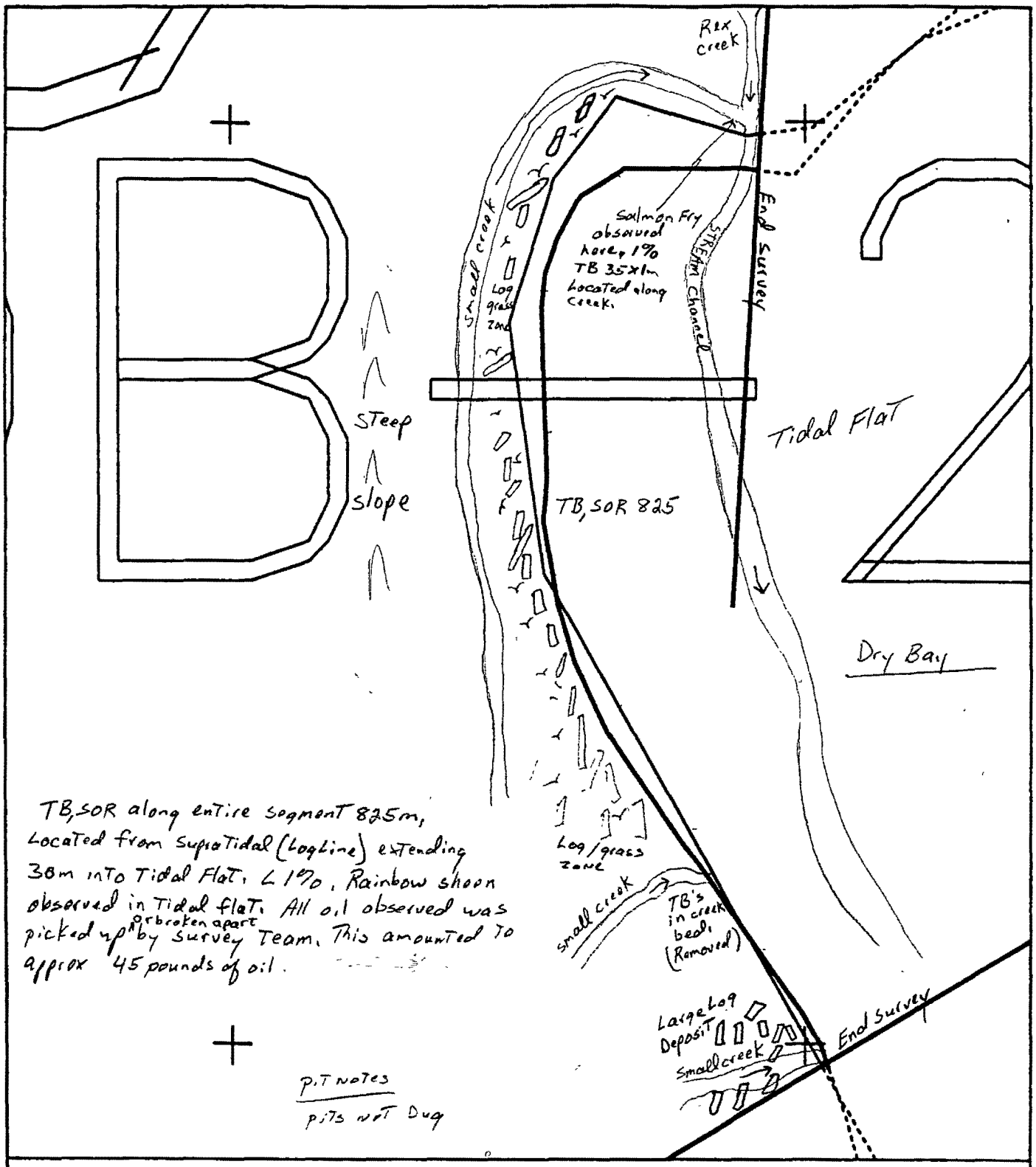
36) PHOTOLOG

FRAME(S)	DESCRIPTION

△ = Sample Taken
2↗ = Photo Frame # and Shot Direction

A:EDDATFO
April 3, 1991

ADEC Comments Con't 5-28-91 J Barnhart



TB, SOR along entire segment 825m, Located from supratidal (Logline) extending 30m into Tidal Flat. < 1%. Rainbow shoon observed in Tidal flat. All oil observed was picked up or broken apart by survey Team. This amounted to approx 45 pounds of oil.

Pit notes

pits not Dug

XXXX	Wide	K1009 DB002 AM	Subdivision Field Map
////	Medium	ADEC Subsegment Length: 825m	Map Key: GOAK1009DB002Ae
----	Narrow	METERS	Name:
TTTT	Very Light	0 100 200	Date:
0000	No Oil	AK State Plane Zone 4	Date Entered:

per Tom Kellon

EXXON

MAYSAP FIELD SHORELINE COMMENT SHEET

TEAM NO. 6-HELO SEGMENT DR-2 SUBDIVISION A DATE 5/28/91

ADEC

NAME J. BARNHART ADEC/G SIGNATURE Jeff Barnhart

☒ NTR oil in the form of AP, TB <1% extended from the log line into the tidal flat a distance of 30-35m. Basically oil was located along most of the segment which contains Rex creek, anadromous stream #262-70-10030. Most oil located was removed or broken apart. Approx 45 pounds of oil was removed. Small oil sheens were observed in the sand adjacent to the oil.

EXXON

NAME R. COULTER EXXON SIGNATURE Rex R. Coulter

☑ NTR ALL RECOVERABLE AP/TB/SOR WAS REMOVED DURING THE SURVEY. NO ADDITIONAL ATTENTION NEEDED.

LANDMANAGER

NAME J. HARDISTER OF USF&WS SIGNATURE John P. Hardister

☑ NTR Very little SOR remained on the segment following the survey. No further treatment recommended.

USCG/NOAA

NAME CWO R. SPURR / G. SHIGENAKA SIGNATURE R. Spurr / Dan Shigenaka

☒ NTR SOR/AP found in this segment was removed by TV Veco workers during survey.

SURVEYED PORTION OF THE SEGMENT CONSISTED OF THE SHORELINE AROUND THE PERIMETER OF A VERY BROAD SEMI-CLOSED TIDAL SAND FLAT, AND THE FLAT ITSELF EXTENDING OUT ABOUT 40M FROM THE SHORELINE (THE LEVEL AND FIRM SUBSTRATE OF THE FLAT ENABLED EASY ACCESS FOR SURVEY). DRIFT LOGS AND OTHER DEBRIS FILLED THE SUPRATIDAL AROUND THE FLAT. NUMEROUS SMALL STREAMS EMPTIED ONTO THE FLAT. A RELATIVELY LARGE NUMBER OF DEAD SEABIRDS WERE FOUND ALONG THE SHORELINE (SEE BIO REPORT). WEATHERED SOR WAS FOUND SPORADICALLY ALONG MUCH OF THE SHORELINE AND OCCASIONALLY ON THE SAND FLAT. THESE MATERIALS WERE EITHER COVERED OR BROKEN UP BY THE SURVEY TEAM. ASPHALT WAS ALSO FOUND ON THE BANK OF THE SHORELINE AND WAS INITIALLY REMOVED. A SMALL CREEK TO THE SOUTHEAST OF THE ASPHALT CONTAINED A FEW SOR PATTIES IN ITS BED AND ALONG ITS BANKS. IT APPEARED THAT LITTLE RECOVERABLE OIL REMAINED IN THE SURVEYED AREA FOLLOWING THE ASSESSMENT AND ASSOCIATED PICKUP ACTIVITIES.

MAYSAP SHORELINE OILING SUMMARY

TEAM NO. 6-Helo

SEGMENT K10-09 DB-02

OG D. FitzGerald

BIO H. Davis

SUBDIVISION M

ADEC J Burnhart / ADFG

LANDMANAGER J Hardister for USFWS

DATE 28 / May / 91

EXXON R. Coulter

USCG/NOAA CWO Spurr / G Shigenaka

TIME 9 : 40 to 10 : 20

TIDE LEVEL -1.4 ft. to 1.1 ft.

ENERGY LEVEL: ☐ H ☐ M ☒ L

SURVEYED FROM: ☒ FOOT ☐ BOAT ☐ HELO

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

TOTAL LENGTH SHORELINE SURVEYED: 825 m

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

EST. OIL CATEGORY LENGTH: W____ m M____ m N____ m VL 825 m NO____ m US — m

LOC	SURFACE OIL CHARACTER										SURFACE SEDIMENT TYPE	SHORE SLOPE	AREA WIDTH m	AREA LENGTH m	ZONE				NOTES
	AP	MS	TB	SOR	CV	CT	ST	FL	DB	NO		V H M L			S	UI	MI	LI	
A		T	T								S, Grass	L	20	825	X	X	X		mostly Infreq. Tar patties

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

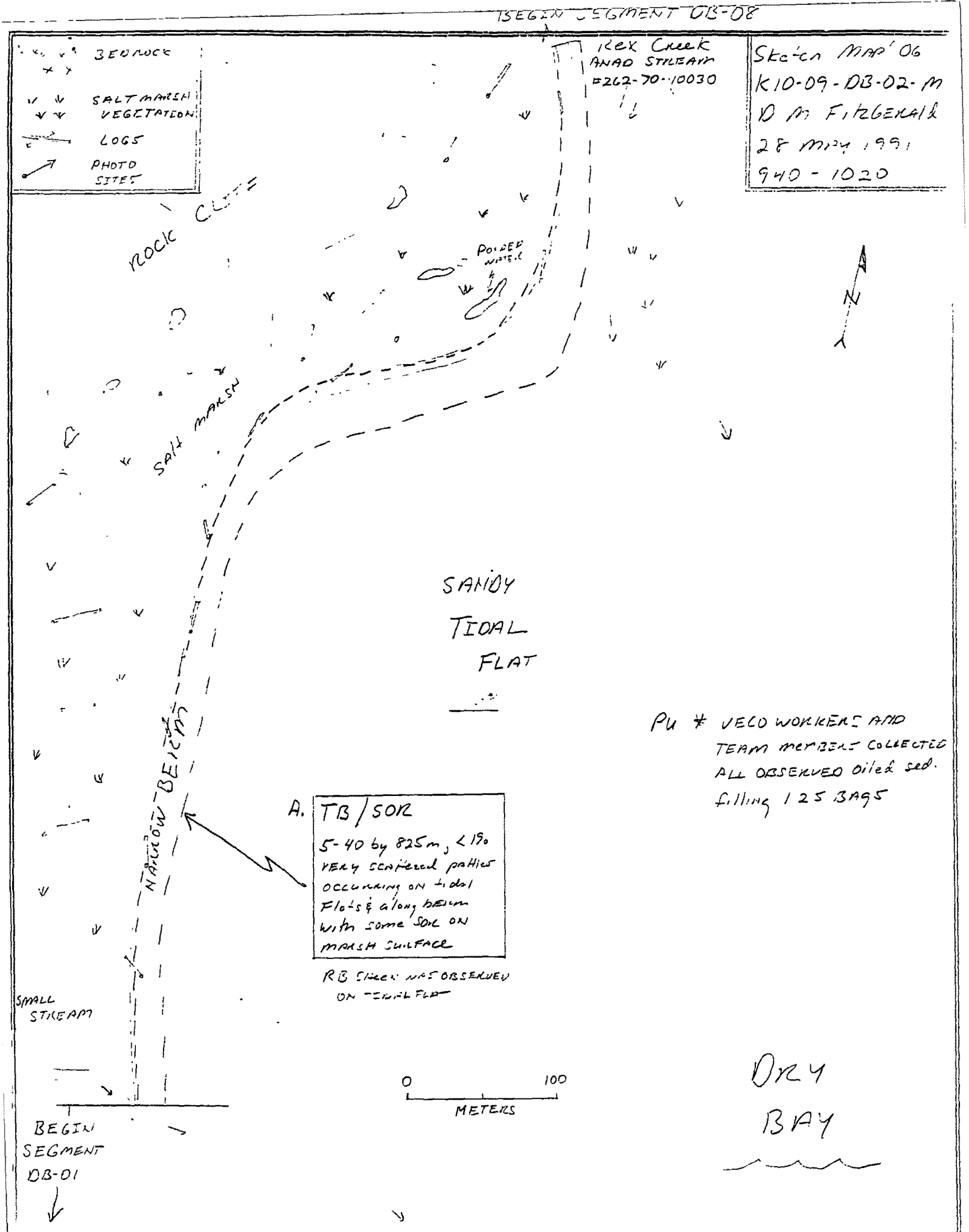
SLOPE: V = VERTICAL; H = HIGH ANGLE; M = MEDIUM ANGLE; L = LOW ANGLE

PHOTO ROLL # MAYSAP- 6 - 24 FRAMES 7-

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

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

OG COMMENTS: This segment is located along the northwest side of Dry Bay where "Rex" Creek meets an expansive sandy tidal flat region. This shoreline is bordered by a wide marsh system which is littered with substantial driftwood and incised by several small freshwater streams. The entire shoreline contained infrequent tar patties on the tidal flats & along the berm with some soil on the marsh surface. VECO workers and Survey Team collected all observed oiled sediments, amounting to 1 1/4 bags.


BEGIN SEGMENT DB-08
BEDROCK
SALT MARSH VEGETATION
LOGS
PHOTO SITES
Rex Creek
ANAD STREAM
#262-70-10030
Sketch MAP 06
K10-09-DB-02-M
D M Fitzgerald
28 May 1991
940 - 1020
ROCK CLIFF
POOLED WATER
N
SALT MARSH
SANDY
TIDAL
FLAT
NARROW BEACH
A. TB / SOR
5-40 by 825m, < 1%
VERY scattered patches
occurring on tidal
flats & along berm
with some SOR on
marsh surface
RB sheen was observed
on tidal flat
Pu * VECO workers and
team members collected
all observed oiled sed.
filling 125 bags
SMALL
STREAM
0
100
METERS
BEGIN
SEGMENT
DB-01
DRY
BAY

MAYSAP BIOLOGICAL SUMMARY FORM

TEAM # 6 Helo | DATE May 28 1991

SEGMENT # K10-09 DB-02 | TIDAL HEIGHT(Range) -1.4 ft to 1.1 ft (09:40 - 10:20)

SUBDIVISION m | BIOLOGIST N. Davis

SEA STATE Tide out in Bay (2-3 ft on coast) | WIND SPEED/DIRECTION 5-10 KTS SE

PHOTOGRAPHS: ROLL # 6-24 | FRAME # 7-

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

The surveyed portion of DB-02 was the shoreline around an extensive tide flat and about 30-40 meters out onto the tide flat from the shore. This area has numerous small streams that feed out onto the flat as well as anadromous stream #262-70-10030 (Rex Creek). Small smolt and fry were seen in several of the streams. Water fowl were feeding in some of the marshy areas. There was a bed of macoma (?) out on the mud flat below site A. Most of the patties in site A were picked up.

sparrows Fox, Golden Crowned (4)
1 dead Rednecked Grebe 1 dead Sooty Shearwater Pintails (10) Widgeon (6) Mallards (3)
Semipalmated plover (3) Glaucous winged Gulls (10) 7 Dead Kittiwakes, Raven (1)

WILDLIFE OBSERVATIONS
TO BE COMPLETED IN ALL SUBDIVISIONS

BIRDS	# OF SPECIES	TOTAL BIRDS	FISH OBSERVED SPECIES PRESENT
Eagles	Ø		Fry and Smolt in The streams
Seabirds	2	2 dead	
Waterfowl	3	19	
Gulls/Kittiwakes	2	10 + 7 dead kittiwakes	
Shorebirds	1	3	
Corvids	1	1	
Other Birds sparrows	2	4	

MARINE MAMMALS	# OBSERVED	LAND MAMMALS SPECIES	# OBSERVED
Sea Otters		Caribou tracks	
Pinnipeds (specify)			
Whales (specify)			

Shoreline subdivision map showing important biological features attached.

PRELIMINARY DATA

KODIAK ADEC SHORELINE TREATMENT
SEGMENT SUMMARY

I. Segment Number DB-2 Unit-subunit K1009
Geographic location West Shore of Dry Bay - Alaska Pen.

II. SCAT survey data: initial 31 May 89 subsequent 3 AUG 89

III. Review of treatment proposals
A. submitted to ISCC/KISCC/MAC _____
B. ISCC/KISCC/MAC approval _____
C. Restrictions (resources) Standart Arch. Constrats if report if uncovered. During manual pickup of mousse, stay out of marsh area (completely) Sea Bird nesting colonies

IV. Date of FOSC approval of treatment or Shoreline Cleanup Workorder 5 June '89 (USCG data)

Work done before work order approved (y/n)? _____

V. Treatment
A. Date treatment started (USCG data) 6/20/89
B. Clean-up crew
Exxon X VECO X NORCON ___ Martech ___
Road Crews ___ Volunteers ___ VRCA ___
Village ___ Setnetters ___ Seiners ___
C. Type of treatment

	SCAT RECOMMENDED	PERFORMED	Exxon SIR	ADEC
1.		none		
2. Type A -	X	non-mechanical	X	
		hand-wiping		
		remove oiled fucus		
		substrate removal		
	X	mousse/debris pickup		X
		putty knives		
		trowels		
		shovels		
		other		

comments Manually remove mousse patties from sand beach. No cleanup recommended in marsh grasses at this time due to ~~the~~ ecological constraint of staying completely out of marsh area more harm than good. (remove small pieces of oiled debris)

3. Type B -		header hose flood	
		cold water/High Pressure	
		warm/hot water/MP	
		hot/steam water/HP	
		Omni boom	
		maxi barges	
		LCMW/Hot pack	
		Other	

comments _____

PRELIMINARY DATA

VII. ADEC Post-treatment Assessment

A. Date of assessment 9-28-89

B. Oil characteristics

1. degree oiling <10%

2. max thickness 10 mm

3. oil type mousse/STICKY/TARRY/STAINS

4. max penetration 1 cm

C. Debris left on beach

1. type —

2. # bags collected

D. Crew members FRAN BENNIS, ERIC COOK

VIII. References/Notes

Signature [illegible] Date 1-11-90

ADF&G MULTI-ASSESSMENT DATA FORM

1) SURVEY TYPE: (BS) SS

2) REGION: PWS KP,CI K,(AP)

3) METHOD: Aerial (Ground) Boat

4) DATE: 5-28-91

5) START TIME: 0930

6) STOP TIME: 1000

7) SEGMENT #: DB002M (M7)

8) K-UNIT: K10-09

9) LAT: _____

10) LONG: _____

11) ASC #: 262-75-10020

12) STREAM NAME: REX Creek

13) LOCATION: Dry Bay, AK Peninsula.

14) WAVE EXPOSURE: High (Moderate) Low

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

16) HIGH TIDE TIME: 0238 1548

17) HIGH TIDE HTS: 18.3 16.7

18) LOW TIDE TIMES: 0916 2120

19) LOW TIDE HTS: -2.0 3.5

20) TIDE HT AT SURVEY: -2.0

Ebb (Slack) Flood Slack

21) USCG QUAD: _____

22) TEAM RECORDER: J. BARNHART

23) OBSERVERS: D. Spurr, R. Caulter, J. Hardin

24) AGENCY: ADF&G/USCG/Exxon/USFWS

25) PHOTOS TAKEN: Y (N)

ROLL #: _____ FRAMES: _____

26) VIDEO TAKEN: Y (N)

TAPE # _____

START: _____ STOP: _____

27) SAMPLES TAKEN? Y (N)

SAMPLE I.D. _____

28) EXTENT OF OIL

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1	35	1	35	2	1.5	Ø	TB/SOR
SITE 2							
SITE 3							
SITE 4							
SITE 5							

29) OVERALL OIL IMPACT:

H = >6m band with ≥50% oil coverage

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

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

(VL) = ≤10% oil coverage regardless of band width

N = No oil observed

30) OIL IN STREAMBED: (Y) N

31) OIL ON BEACH ADJACENT TO MOUTH: (Y) N

32) SUBSTRATE TYPE (PERCENT):

Bedrock ____ Boulder ____ Gravel 10 Sand 90 Cobble ____ Mud/Silt ____

33) ANADROMOUS FISH PRESENT: (Y) N

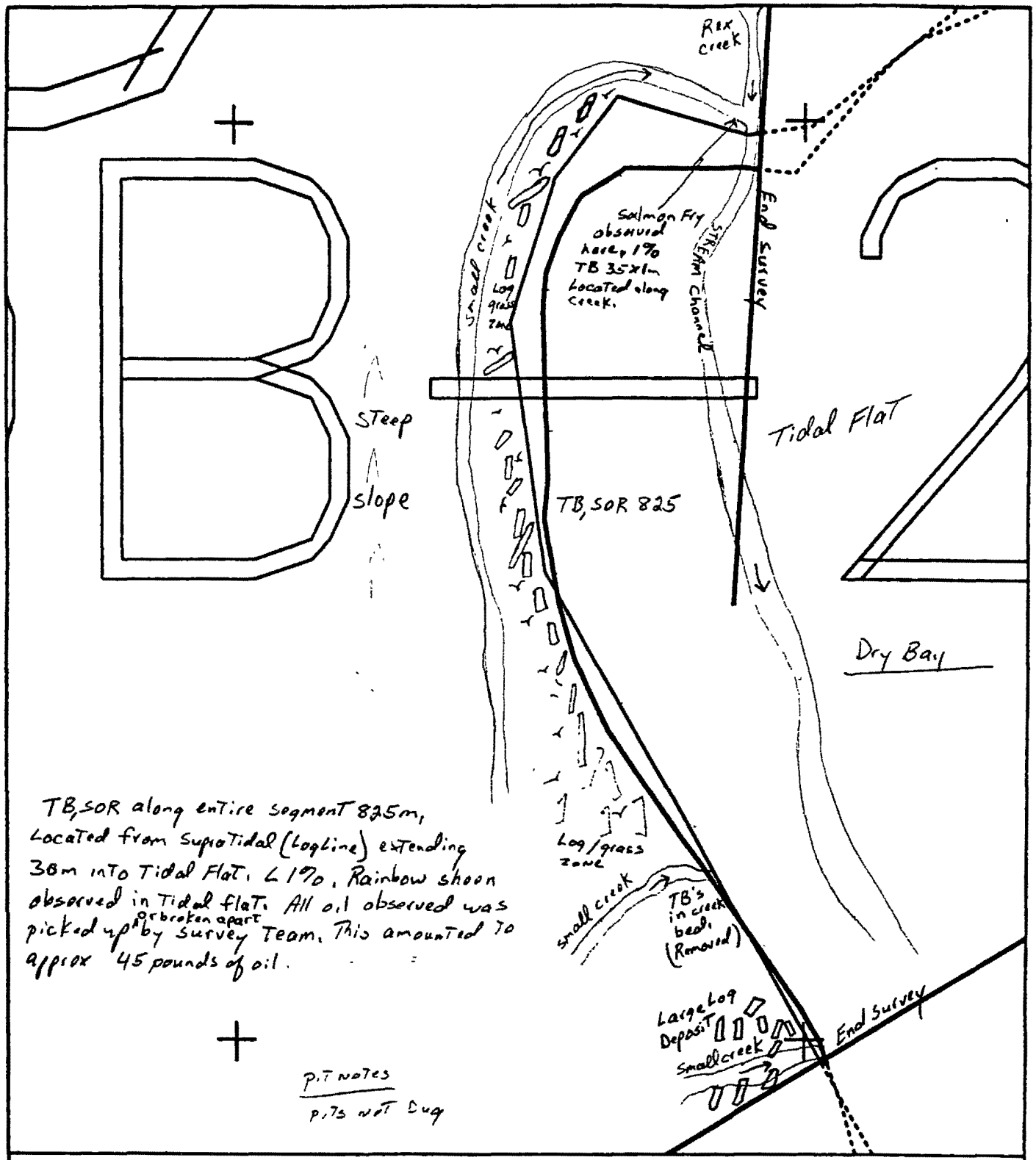
34) WILDLIFE OBSERVATION

Species	Number
unidentified salmon fry	30

35) COMMENTS: Oil 35x1m was located at Tributary stream to Rex creek at mouth. Oil band continued along the beach to the end of the segment, a total distance of 825m. Band width 30 m <1% TB/SOR.

Note: was able to survey south stream bank of Rex creek only. Unable to survey north bank/mouth. Very brief survey of stream mouth

ADEC Comments Con't 5-28-91 J. Barnhart



TB, SOR along entire segment 825m, Located from Supra Tidal (Log Line) extending 38m into Tidal Flat. < 1%. Rainbow shoon observed in Tidal flat. All oil observed was picked up or broken apart by Survey Team. This amounted to approx 45 pounds of oil.

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

K1009 DB002 Km

ADEC Subsegment Length: 825m

METERS 0 100 200

AK State Plane Zone 4

g1009db002aa-

per Tom Kelly (MS)

EXXON

Subdivision Field Map

Map Key: GOAK1009DB002Aa

Name:

Date:

Date Entered:

MAYSAP FIELD SHORELINE COMMENT SHEET

TEAM NO. 6-HELO SEGMENT DR-2 SUBDIVISION A DATE 5 / 28 / 91

ADEC

NAME J. BARNHART, ADEC&G SIGNATURE Jeff Barnhart

☒ NTR Oil in the form of AP, TB <1% extended from the log line into the tidal flat a distance of 30-35m. Basically oil was located along most of the segment which contains Rex creek, anadromous stream #262-70-10030. Most oil located was removed or broken apart. Approx 45 pounds of oil was removed. Small oil sheens were observed in the sand adjacent to the oil.

EXXON

NAME R. COULTER, EXXON SIGNATURE Roy R. Coulter

☑ NTR ALL RECOVERABLE AP/TB/SOR WAS REMOVED DURING THE SURVEY. NO ADDITIONAL ATTENTION NEEDED.

LANDMANAGER

NAME J. HARDISTER OF USF&WS SIGNATURE John P. Hardister

☑ NTR Very little SOR remained on the segment following the survey. No further treatment recommended.

USCG/NOAA

NAME CWO R. SPURR/G. SHIGENAKA SIGNATURE R. Spurr / Dan Shigenaka

☒ NTR SOR/AP found in this segment was removed by TV Veco workers during survey.

SURVEYED PORTION OF THE SEGMENT CONSISTED OF THE SHORELINE AROUND THE PERIMETER OF A VERY BROAD SEMI-ENCLOSED TIDAL SAND FLAT, AND THE FLAT ITSELF EXTENDING OUT ABOUT 400M FROM THE SHORELINE (THE VERY LEVEL AND FIRM SUBSTRATE OF THE FLAT ENABLED EASY ACCESS FOR SURVEY). DRIFT LOGS AND OTHER DEBRIS MARKED THE SUPRATIDAL AROUND THE FLAT. NUMEROUS SMALL STREAMS EMPTIED OUTO THE FLAT. A RELATIVELY LARGE NUMBER OF DEAD SEABIRDS WERE FOUND ALONG THE SHORELINE (SEE SIO REPORT). WEATHERED SOR WAS FOUND SPORADICALLY ALONG MUCH OF THE SHORELINE AND OCCASIONALLY ON THE SAND FLAT. THESE MATERIALS WERE EITHER COVERED OR BROKEN UP BY THE SURVEY TEAM. ASPHALT WAS ALSO FOUND ON THE BANK OF THE SHORELINE AND WAS PARTIALLY REMOVED. A SMALL CREEK TO THE SOUTHEAST OF THE ASPHALT CONTAINED A FEW SOR PATTIES IN ITS BED AND ALONG ITS BANKS. IT APPEARED THAT LITTLE RECOVERABLE OIL REMAINED IN THE SURVEYED AREA FOLLOWING THE ASSESSMENT AND ASSOCIATED PICKUP ACTIVITIES.

MAYSAP SHORELINE OILING SUMMARY

PAGE 1 OF 1

TEAM NO. 6-Helo

SEGMENT K10-09 DB-02

OG D. FitzGerald

BIO H. Davis

SUBDIVISION M

ADEC J Burnhart / ADFG

LANDMANAGER J Hardisten for USFWS

DATE 28 / May / 91

EXXON R. Coulter

USCG/NOAA CWO Spuer / G Shigenaka

TIME 9 : 40 to 10 : 20

TIDE LEVEL -1.4 ft. to 1.1 ft.

ENERGY LEVEL: ☐ H ☐ M ☒ L

SURVEYED FROM: ☒ FOOT ☐ BOAT ☐ HELO

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

TOTAL LENGTH SHORELINE SURVEYED: 825 m

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

EST. OIL CATEGORY LENGTH: W____m M____m N____m VL 825 m NO____m US — m

LOC	SURFACE OIL CHARACTER										SURFACE SEDIMENT TYPE	SHORE SLOPE	AREA		ZONE				NOTES
	AP	MS	TB	SOR	CV	CT	ST	FL	DB	NO		V H M L	WIDTH m	LENGTH m	S	UI	MI	LI	
A		T	T								S, Grass	L	20	825	X	X	X		mostly Intermittent tar patties

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

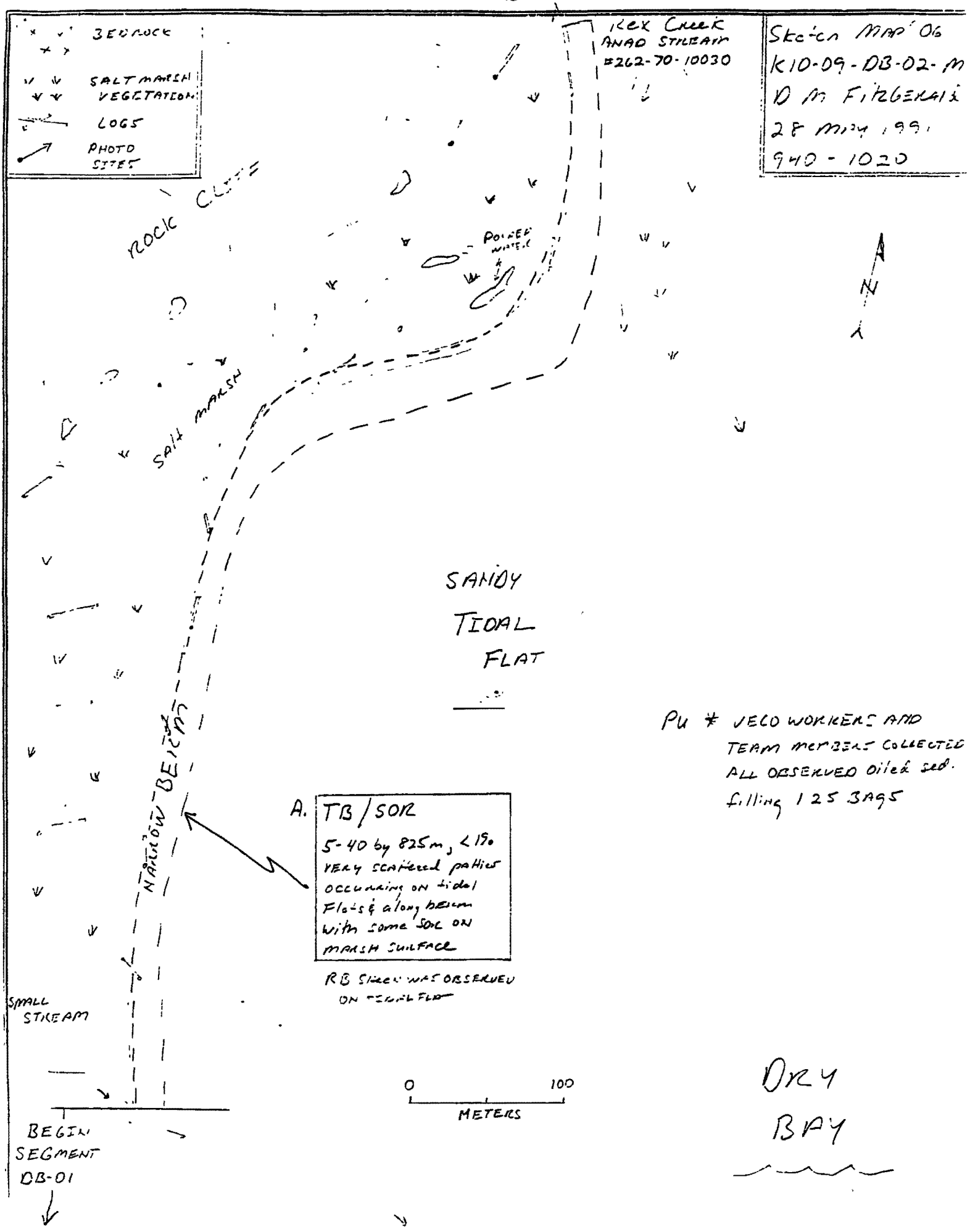
SLOPE: V = VERTICAL; H = HIGH ANGLE; M = MEDIUM ANGLE; L = LOW ANGLE

PHOTO ROLL # MAYSAP- 6 - 24 FRAMES 7-

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

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

OG COMMENTS: This segment is located along the northwest side of Dry Bay where "Rex" Creek meets an expansive sandy tidal flat region. This shoreline is bordered by a wide marsh system which is littered with substantial driftwood and incised by several small freshwater streams. The entire shoreline contained infrequent tar patties on the tidal flats & along the berm with some soil on the marsh surface. VECO workers and Survey Team collected all observed oiled sediments, amounting to 1¼ bags.


BEDROCK
SALTMARSH VEGETATION
LOGS
PHOTO SITES
REX CREEK ANAD STREAM #262-70-10030
Sketch Map 06
K10-09-DB-02-M
D M FITZGERALD
28 MAY 1991
940 - 1020
ROCK CLIFF
POOLED WATER
N
SALT MARSH
SANDY TIDAL FLAT
NARROW BEACH
A. TB / SOR
5-40 by 825m, <1%
VERY SCATTERED PATHIES OCCURRING ON TIDAL FLATS & along BERM with some SOR ON MARSH SURFACE
RB SHEEN WAS OBSERVED ON TIDAL FLAT
Pu * JECO WORKERS AND TEAM MEMBERS COLLECTED ALL OBSERVED oiled sed. filling 125 BAGS
SMALL STREAM
0
100
METERS
BEGIN SEGMENT DB-01
DRY BAY

MAYSAP BIOLOGICAL SUMMARY FORM

TEAM # 6 Helo | DATE May 28 1991

SEGMENT # K10-09 DB-02 | TIDAL HEIGHT (Range) -1.4 ft to 1.1 ft (09:40 - 10:00)

SUBDIVISION m | BIOLOGIST N. Davis

SEA STATE Tide out in Bay (2-3 ft on coast) | WIND SPEED/DIRECTION 5-10 KTS SE

PHOTOGRAPHS: ROLL # 6 - 24 | FRAME # 7-

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

The surveyed portion of DB-02 was the shoreline around an extensive tide flat and about 30-40 meter out onto the tide flat from the shore. This area has numerous small streams that feed out onto the flat as well as an adromous stream # 262-70-10030 (Rex Creek). Small smolt and fry were seen in several of the streams. Water fowl were feeding in some of the marshy areas. There was a bed of Macoma (sp?) out on the mud flat below site A. Most of the patties in site A were picked up.

Sparrows Fox, Golden Crowned (4)
1 dead Rednecked Grebe 1 dead Sooty Shearwater Pintails (10) Widgeon (6) Mallards (3)
Semipalmated plover (3) Glaucous winged Gulls (10) 7 Dead Kittiwakes Raven (1)

WILDLIFE OBSERVATIONS
TO BE COMPLETED IN ALL SUBDIVISIONS

BIRDS	# OF SPECIES	TOTAL BIRDS	FISH OBSERVED SPECIES PRESENT
Eagles	Ø		Fry and Smolt in The Streams
Seabirds	2	2 dead	
Waterfowl	3	19	
Gulls/Kittiwakes	2	10 + 7 dead kittiwakes	
Shorebirds	1	3	
Corvids	1	1	
Other Birds sparrows	2	4	

MARINE MAMMALS	# OBSERVED	LAND MAMMALS SPECIES	# OBSERVED
Sea Otters		Caribou tracks	
Pinnipeds (specify)			
Whales (specify)			

Shoreline subdivision map showing important biological features attached.

PRELIMINARY DATA

KODIAK ADEC SHORELINE TREATMENT
SEGMENT SUMMARY

I. Segment Number [redacted] Unit-subunit K1009
Geographic location West Shore of Dry Bay - Alaska Pen.

II. SCAT survey data: initial [redacted] subsequent 3AUG 89

III. Review of treatment proposals
A. submitted to ISCC/KISCC/MAC _____
B. ISCC/KISCC/MAC approval _____
C. Restrictions (resources) Standart Arch. Constrats of report if uncovered. During manual pickup of mousse, stay out of marsh area (completely) Sea Bird nesting colonies

IV. Date of FOSC approval of treatment or Shoreline Cleanup Workorder 5 June '89 (USCG data)

Work done before work order approved (y/n)? _____

V. Treatment
A. Date treatment started (USCG data) 6/20/89
B. Clean-up crew
Exxon X VECO X NORCON ___ Martech ___
Road Crews ___ Volunteers ___ VRCA ___
Village ___ Setnetters ___ Seiners ___
C. Type of treatment

	SCAT RECOMMENDED		PERFORMED Exxon SIR	ADEC
1.		none		
2. Type A -	X	non-mechanical	X	
		hand-wiping		
		remove oiled fucus		
		substrate removal		
	X	mousse/debris pickup		X
		putty knives		
		trowels		
		shovels		
		other		

comments Manually remove mousse patties from sand beach. No cleanup recommended in marsh grasses at this time due to ~~the~~ ecological constraint of staying completely out of marsh area more harm than good. (remove small pieces of oiled debris)

3. Type B -		header hose flood		
		cold water/High Pressure		
		warm/hot water/MP		
		hot/steam water/HP		
		Omni boom		
		maxi barges		
		LCMW/Hot pack		
		Other		

comments _____

PRELIMINARY DATA

VII. ADEC Post-treatment Assessment

A. Date of assessment 9-28-89

B. Oil characteristics

1. degree oiling <10%

2. max thickness 10 mm

3. oil type MOUSSE/STICKY/TARRY/STAINS

4. max penetration 1 cm

C. Debris left on beach

1. type —

2. # bags collected

D. Crew members FRAN BENNIS, ERIC COOK

VIII. References/Notes

Signature [signature] Date 1-11-90

262-75-10020

DRY (REX) BAY CRK.

K10-09

ACE 7334695 + F

ANADROMOUS FISH STREAM EVALUATION

SEGMENT ST/K10-09-DB-08 STREAM NO: 262-75-10020 DATE 5/2/90

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)
See attached Ecological Constraint sheet for specific constraints and contacts.

SUBDIVISION ECOLOGICAL CONSTRAINTS:

Avoid any unnecessary disturbance of damage to unoiled biota and substrate.

ARCHAEOLOGICAL CONSTRAINTS:

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

SHPO SIGNATURE: [illegible] DATE: 5/22/90

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: 5/18/90.
ADEC Art Weiner Art Weiner
EXXON [illegible]
NOAA [illegible]
USCG G.A. Reiter G.A. Reiter

FOSC: [illegible] DATE: MAY 27 1990

ACE 7334741 +S

ST/ UB 6/15

STREAM 20-75-1 1020

DATE 2 / MAY 90

CHECKLIST

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

LEGEND

1 ▲

Pit - No Subsurface Oil

2 ▲

Pit - Subsurface Oil

CT/C

Continuous Distribution

CT/B

Broken Distribution

CT/P

Patchy Distribution

CT/S

Splashed Distribution

Oiled Vegetation

1 ⊕

Photo location, direction, and number

ACE 7334742

Oil Character Length (m): AP_____ PO_____ CV_____ CT_____ ST_____ MS_____ PT_____ TB_____ FL_____ NO_____

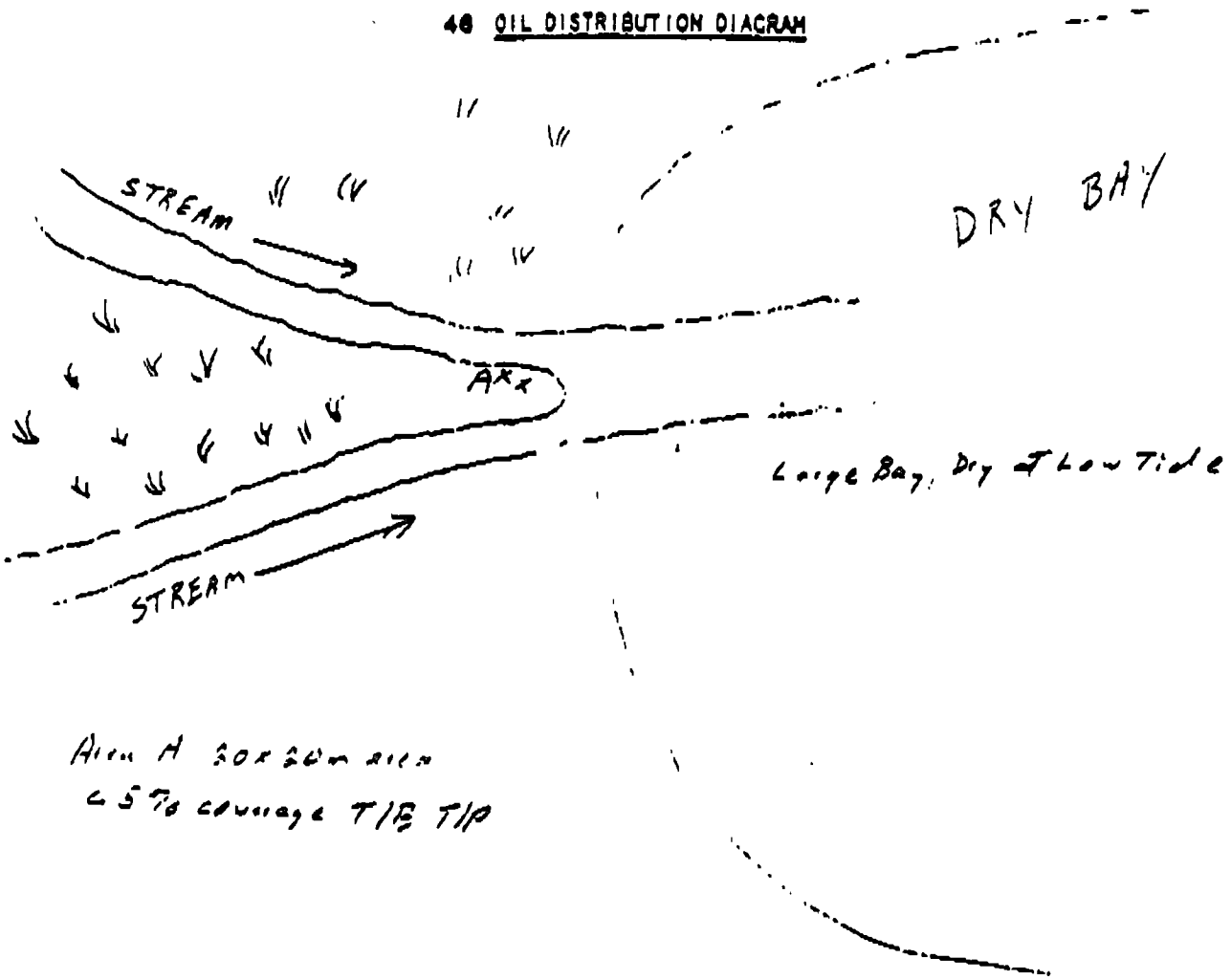
REVISION 02/2000

AK DEPT OF FISH&GAME HABITAT HNC P.10

4/5

FRAME(S)	DESCRIPTION

4B OIL DISTRIBUTION DIAGRAM



Area A 30x20m area
<5% coverage T/E T/P

Sample taken
* Photo frame # and shot direction.

ACE 7334743-5

STATE OF ALASKA

DEPARTMENT OF FISH AND GAME

STEVE COWPER, GOVERNOR

Rapifax 349-1723

333 RASPBERRY ROAD
ANCHORAGE, ALASKA 99518-1599
PHONE: (907) 344-0541

RAPIFAX TRANSMITTAL SHEET

TO: Ken Middleton
Anch. Habitat

DATE: 5/7/90

No. Pages: 16
(including this page)

FROM: JEFF BARNHART
Kodiak Habitat

MESSAGE: Stream 262-75-10020
Segment DB008
Dry(river)creek

ACE 7334744+S

OPERATIONS FIELD NOTES

See Back for Instructions

SEGMENT ID ANAO DB-008
STREAM ID # 262-75-10020
ANNOTATED MAP INCLUDED Y/(N)

DATE 5-2-90
NAME GARCIA
TEAM # 15

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

SUBSURFACE OIL – NONE

Other (Describe)?	

TARMATS	Quantities in Meters			Treatment Rec			# of Bags	Mandays Required	
	Length	Width	Thick(cm)	None	Breakup	Remove		Breakup	Remove
Area #1									
Area #2									
Area #3									
Area #4									
Sporadic Mats AREA 'B'	30	5	4	✓			—	—	—

MANUAL PICKUP	Type of Debris			In Meters		# of Bags	Pickup Y/N	Manday Estimate
	Mousse Tarballs	Oiled Veget	Cleanup Debris	Length	Width			
"Pocket" #1								
"Pocket" #2	NONE							
"Pocket" #3								
Random/Continuous								

OILED LOGS Y/(N)	OILING H/M/L	QUANTITY L/M/S	BURN Y/N	

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

GENERAL

Snow covering 0 % of the Supratidal Zone?

Wave Exposure H/M/(L) Access Limitations: NONE

Snare Boom/Pom Poms Recommended? NO

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

COMMENTS:

THE VERY SPORADIC TAR BALLS ARE CONFINED TO AREA 'B' AS NOTED ON THE MAP. NO TREATMENT RECOMMENDED FOR THIS STREAM.

ACE 7334745

2/38#4

FIELD SHORELINE COMMENT SHEET

SEGMENT ST 1DB008 SUBDIVISION: _____ DATE 5/2/90

USCG
NAME CWO MCMAHON SIGNATURE [signature]

☒ NO TREATMENT RECOMMENDED ☐ TREATMENT SUGGESTED
COMMENTS

ADF&G
~~ADEC~~
NAME JEFFREY BARNHART SIGNATURE Jeffrey Barnhart

☐ NO TREATMENT RECOMMENDED ☒ TREATMENT SUGGESTED
COMMENTS
VL T/P T/B. If a cleanup crew was working in a nearby area I would suggest that the T/P T/B be manually picked up and removed.

LAND MANAGER
NAME _____ SIGNATURE _____

☐ NO TREATMENT RECOMMENDED ☐ TREATMENT SUGGESTED
COMMENTS

ACE 7334746

REVISION NO. 03/21/90

ADF&G MULTI-ASSESSMENT DATA FORM

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

2 REGION: PWS KP,CI K,(AP)

METHOD: Aerial (Ground) Boat

3 DATE: 5/2/90

4 START TIME: 1620

5 STOP TIME: 1655

6 SEGMENT #: DB008

7 STATION #:

8 K-UNIT: K1009

9 STAT AREA:

10 LAT: 57° 38' 31"

11 LONG: 155° 46' 18"

12 SOURCE: Map Loran (Anadcat)

13 LOCATION: Dry Bay, Alaska Peninsula

14 DESCRIPTION: S 29S 40W 29

15 HIGH TIDE TIMES: 8:52am / 10:16pm

16 HIGH TIDE HTS: 14.1 / 14.8

17 LOW TIDE TIMES: 3:11am / 3:50pm

18 LOW TIDE HTS: 5.4 / 1.9

19 TIDE HT AT SURVEY:

Ebb Slack Flood (Slack)

20 USCG QUAD: Kaluk C-6

21 TEAM RECORDER: JEFFREY BARNHART

22 OBSERVERS: Gus Garcia w William Reid, John McMahon, Mike Fawn

23 AGENCY: ADF&G/Ecol/NWC/USCG/w

24 PHOTOS TAKEN: Y (N)

Roll #: Frame:

25 VIDEO TAKEN: Y (N) TAPE#:

Start: End:

26 SAMPLES TAKEN? Y (N) Number

Oil

Sediment

Biological

Water

EXTENT OF OIL

	SHORELINE L	SHORELINE W	SHORELINE M²	SHORELINE %	STREAM L	STREAM W	STREAM M²	STREAM %
27 SURFACE COVERAGE	30	3	90	<5				
28 SURFACE THICKNESS								
29 PENETRATION								

30 OVERALL OIL IMPACT: N (VL) L M H

31 OIL TYPE: Pooled Mousse (Tar) Asphalt Sticky Stain

32 OILED DEBRIS? Y (N)

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

34 WAVE EXPOSURE: High Moderate (Low)

35 SUBSTRATE TYPE: Bedrock Boulder Cobble Gravel .5 Sand 9.5 Mud/silt

36 CATALOGED ANAD. FISH SREAM? (Y) N

37 CATALOG #: 262-75-10020 (REX)

38 STREAM NAME: Dry Bay Creek

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

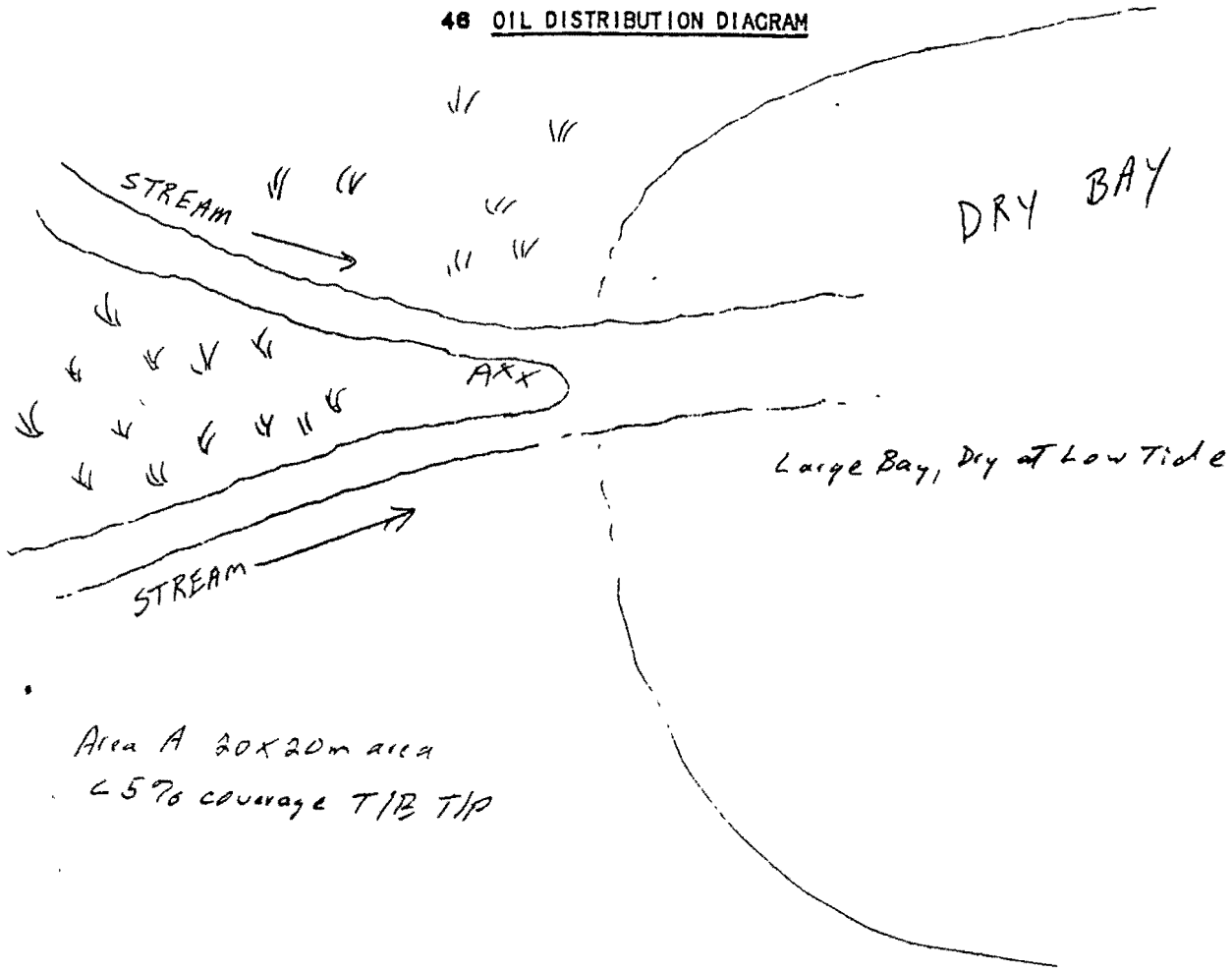
COMMENTS: Area A (see sketch map) was the only location we found oil. It was V'L Tar patties and Tar balls. If a cleanup crew was working in a nearby area I would suggest that the oil be manually picked up. Jeff Barnhart

ACE 7334747

I agree with recommendations. M H Fawn

FRAME(S)	DESCRIPTION

46 OIL DISTRIBUTION DIAGRAM



Sample taken
Photo frame # and
shot direction.

ACE 7334748

SHORELINE OILING SUMMARY (ANAD.) 5/38

REVISION NO. 04/13/9

OG WILLIAM REID USCG McMAHON SEGMENT ST/ DS0008
BIO MICHAEL FAWCETT LAND REP ____ STREAM 262-75-10001 OF ( )
EXXON GUS GARCIA ADFG ~~MIKE WIEDMER~~ JEFF BERNHART TIME 15:20 to ___:___
TEAM NO. 15 TIDE LEVEL -1.5 FT DATE 21 MAY 1990
EST. SUBDIVISION LENGTH: 400 m ☐ Sun ☐ Clouds ☐ Fog ☒ Rain ☐ Snow
UPLANDS DESCRIPTION: ☒ Grass ☐ Forest ☐ Rock ____
SURVEYED FROM: ☒ Foot ☐ Boat ☐ Helo
SURFACE SEDIMENTS: R____% B____% C____% P 10 % G 30 % S____% M____% V 60
SLOPE: Lang 100 % Hang____% Vert____% WAVE EXPOSURE: ☒ Low ☐ Med ☐ High
OIL CATEGORY LENGTH: W____m M____m N 30 m VL____m NO 370 m

SURFACE OIL

CHARACTER	DISTRIBUTION /C	/B	/P	/S	OIL / FILM COLOR SRL/BR	DRL/RW	GY	SL	DRB/TL	LRB	IMPACTED ZONES SU	UI	MI	LI
ASPHALT PAVEMENT														
POOLED														
COVER														
COAT														
STAIN														
MOUSSE														
PATTIES			X					X				X		
TARBALLS			X					X				X		
FILM														
NO OIL														

PAVEMENT H F S____sq. m by____cr
PATTIES / TARBALLS____BAGS
NEAR SHORE SHEEN? (NO) BR RW SL TL

OILED DEBRIS	AMOUNT SM	MD	LG
Logs			
Vegetation			
Trash			
Debris			

Did you Collec
DEBRIS
☐ YES ☐ NO
TYPE____
#BAGS____

Photographs:
Roll No. A5-15-8
Frames 12-13

SUBSURFACE OIL

PIT NO.	PIT DEPTH (cm)	SUBSURFACE OIL CHARACTER OP	OR	OL	OF	NO	OILED INTERVAL (CM-CM)	BELOW UO	UC	OIL / FILM COLOR SRL/BR	DRL/RW	GY	SL	DRB/TL	LRB	PIT ZONE SU	UI	MI	LI	ANA	SHEEN (Y/N)	!	SURFACE - SUBSURFACE SEDIMENTS
1	50					X	-										X				N		S/G
2	40					X	-										X				N		G/P
							-																
							-																
							-																
							-																

COMMENTS

REVIEWED____ DATE____

ACE 7334749

Film AS-15-8

LIAM REID

ST/ DB 008

STREAM 262-75-10020

DATE 2 / MAY 90

SKETCH MAP

CHECKLIST

___N Arrow
___Approx. Scale
___Seg/Sub Bndry
___Oil Dist.
Width
Length
% Cover
___Substrate Character
___Est. HWL/LWL
___SSL
___Profile Location(s)
___Profile(s)
___Pit Location(s)
___Photo Location(s)

LEGEND

1 △
Pit - No Subsurface Oil

2 ▲
Pit - Subsurface Oil

CT/C
Continuous Distribution

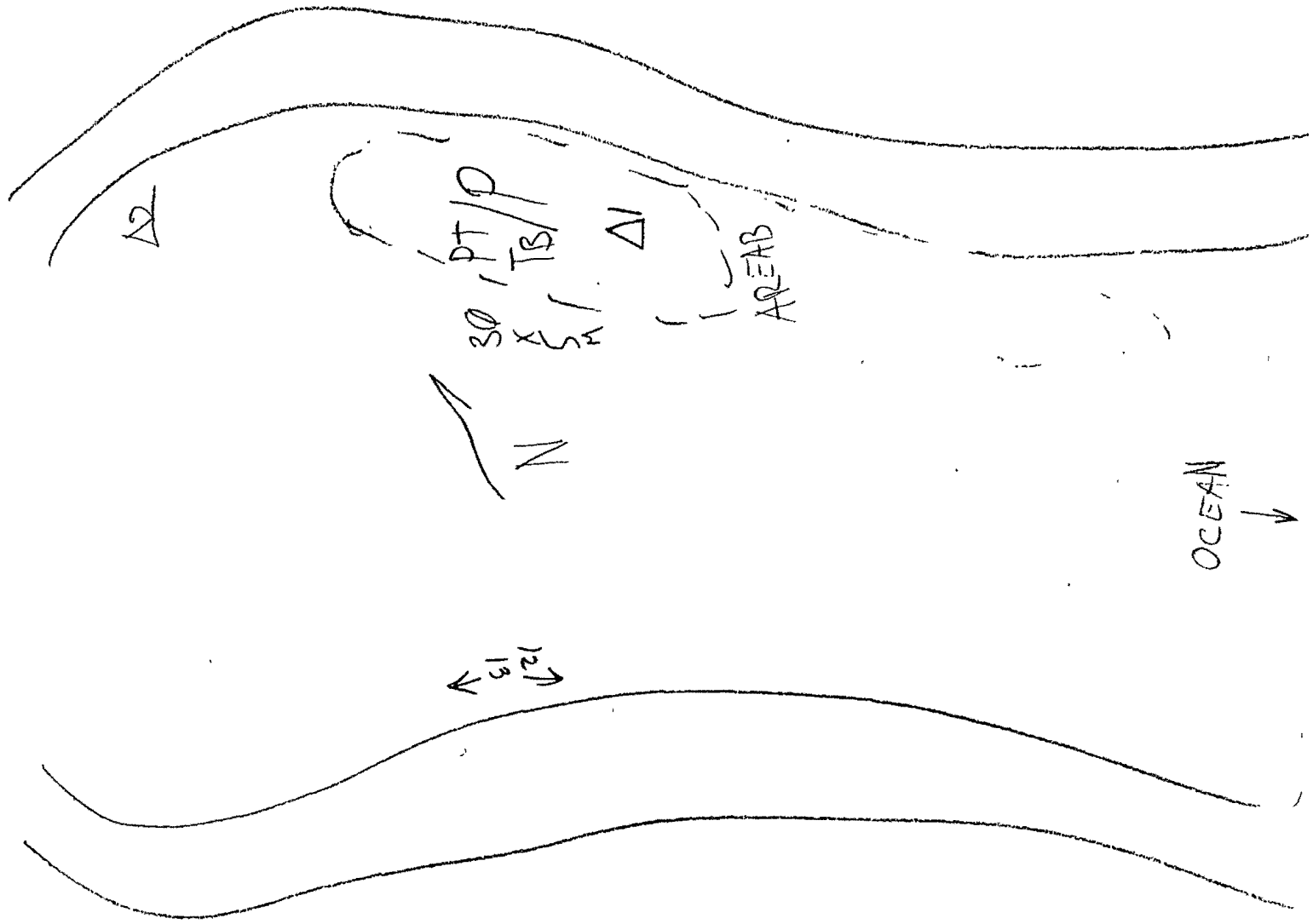
CT/B
Broken Distribution

CT/P
Patchy Distribution

CT/S
Splashed Distribution

Oiled Vegetation

1 ●→
Photo location, direction, and number



ACE 7334750

Oil Character Length (m): AP_____ PO_____ CV_____ CT_____ ST_____ MS_____ PT_____ TB_____ FL_____ NO_____

REVISION:03/24/90

Segment DB008
Dry Bay
stream 262-75-10020
Ecological Summary

5/2/90
Michael Fawcett

This large stream has a wide sand and mud delta facing the sea, with intertidal gravel channels and grass-covered flats further inland. A few tar balls were found in one small gravel area. No treatment is recommended.

Michael H Fawcett

ACE 7334751

8/38

SSAT DATA ENTRY FORM PAGE 1 OF 2

GENERAL DATA

262-75

SEG ID: DB008 SUBDIV: 10020 TEAM: AS-15 SURVEY DATE: 5/2/90
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: 400 OIL CATEGORY: W 0 M 0 N 30 VL 0 NO 370 U 0

SURFACE DATA

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

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

CHAR #: 2 OIL CHAR: TB OIL DIST: CONT — BRKN — PTCH X SPLH —
OIL CLR: DBR FILM CLR: — TIDAL ZONE: SU — UI X MI — LI —

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

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

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

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

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

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

ACE 7334752

SSAT DATA ENTRY FORM

SUBSURFACE DATA

SEGMENT ID: DB008 SUBDIV: 262-75-10020

PIT # 1 PIT DEPTH 50 OIL CHARACTER — OIL INTVAL: FROM 0 TO 0
QUANT: — OIL CLR: — FLM CLR: — ZONE: SU — UI X MI — LI —
SUBSURF SEDIMENT: BRK — BLD — COB — PEB — GRN X SAN X MUD — VEG —

PIT # 2 PIT DEPTH 40 OIL CHARACTER — OIL INTVAL: FROM 0 TO 0
QUANT: — OIL CLR: — FLM CLR: — ZONE: SU — UI X MI — LI —
SUBSURF SEDIMENT: BRK — BLD — COB — PEB X GRN X SAN — MUD — VEG —

PIT #____ PIT DEPTH____ OIL CHARACTER____ OIL INTVAL: FROM____ TO____
QUANT:____ OIL CLR:____ FLM CLR:____ ZONE: SU____ UI____ MI____ LI____
SUBSURF SEDIMENT: BRK____ BLD____ COB____ PEB____ GRN____ SAN____ MUD____ VEG____

PIT #____ PIT DEPTH____ OIL CHARACTER____ OIL INTVAL: FROM____ TO____
QUANT:____ OIL CLR:____ FLM CLR:____ ZONE: SU____ UI____ MI____ LI____
SUBSURF SEDIMENT: BRK____ BLD____ COB____ PEB____ GRN____ SAN____ MUD____ VEG____

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:____

ACE 7334753-L|S|HF

90 PA

Prescreen

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

4 START TIME: 1430

5 STOP TIME: 1455

6 SEGMENT #: DB008

7 STATION #:

8 K-UNIT: K1009

9 STAT AREA:

10 LAT:

11 LONG:

12 SOURCE: Map Loran

13 LOCATION: DRY BAY, AK PENINSULA

14 DESCRIPTION:

15 HIGH TIDE TIMES: /

16 HIGH TIDE HTS: /

17 LOW TIDE TIMES: 1046 /

18 LOW TIDE HTS: -3.5 /

19 TIDE HT AT SURVEY:

Ebb Slack (Flood) Slack

20 USCG QUAD:

21 TEAM RECORDER: E. WEISS

22 OBSERVERS: J. BARNHART

23 AGENCY: ADF&G

24 PHOTOS TAKEN: Y ~~N~~

Roll #: Frame:

25 VIDEO TAKEN: Y ~~N~~ TAPE#:

Start: End:

26 SAMPLES TAKEN? Y ~~N~~ Number

Oil

Sediment

Biological

Water

EXTENT OF OIL

	SHORELINE L	SHORELINE W	SHORELINE M²	SHORELINE %	STREAM L	STREAM W	STREAM M²	STREAM %
27 SURFACE COVERAGE								
28 SURFACE THICKNESS								
29 PENETRATION								

30 OVERALL OIL IMPACT: N (VL) L M H

31 OIL TYPE: Pooled (Mousse) (Tar) Asphalt Sticky Stain

32 OILED DEBRIS? ~~Y~~ N

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

34 WAVE EXPOSURE: High Moderate (Low)

35 SUBSTRATE TYPE: Bedrock Boulder Cobble Gravel 55 Sand 45 Mud/silt

36 CATALOGED ANAD. FISH SREAM? Y N

37 CATALOG #: 262-75-10020

38 STREAM NAME: (REX: Eyes Rex creek) DRY BAY CREEK

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: NOT surveyed JPB

43 ANADROMOUS FISH PRESENT? Y (N)

44 ANADROMOUS FISH OBSERVATION

Species	Aerial	Ground

ACE 7334737

COMMENTS: TB PT / P ON ISLET AT STREAM MOUTH. SOME SCATTERED STAWES DRIFT IN STORM TIDE LINE ≈300m UP STREAM.

RECOMMENDS: ANADSSAT Ed Weiss Jeff Barnhart

45 PHOTOLOG

FRAME(S)	DESCRIPTION

46 OIL DISTRIBUTION DIAGRAM

= Sample taken

= Photo frame # and shot direction.

ACE 7334738

90 Anadssat

ASC NUMBER:	SEGMENT NUMBER:	YR CATALOGED:
LOCATION:		
STREAM NAME:		LATITUDE:
KODIAK K-UNIT:	LOCAL STREAM #:	LONGITUDE:
USGS QUADRANGLE:		LEGAL:
SHORELINE TYPE: Beach		WAVE EXPOSURE: M

ASC NUMBER: 262-75-10020
SURVEY TYPE: AS
METHOD: F
DATE: 5/2/90
START TIME: 1620
STOP TIME: 1655

TEAM RECORDER: J. Barnhart
OBSERVERS: Gus Garcia, William Reid, John McMahon, Mike Fawcett
AGENCY(IES): ADF&G/Exxon/WWC/USCG/WWC

PHOTOS TAKEN? N
Roll #: Frames:
VIDEO TAKEN? N Tape Number:
Counter Start:

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

OILING DATA

	LENGTH	WIDTH	M2	%	THICK	FEN	OIL TYPE
SITE 1	30	3	90	4	2 cm	Ø	TB
SITE 2							
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT: VL

OIL IN STREAM CHANNEL? N

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? Y

SUBSTRATE

Bedrock	Granule
Boulder	Sand 95
Cobble	Silt
Pebble 5	Veget.

SPECIES					
COUNT					

COMMENTS: Area A, (Site #1) was the only location we found oil. It was VL Tar patties and Tarballs. If a cleanup crew is in the area I suggest the oil be manually removed.

(version 5/02/89)

SHORELINE CLEANUP PROGRAM

DATE 5/31/89 SHORELINE SEGMENT DB-2

LOCATION: (see enclosed map) West shore of Dey Bay - Alaska Peninsula

ADEC NO. _____ SHORELINE ASSESSMENT DATE: _____

Recommended Cleanup Activity(ies):
- Shovel mousse paddies from sand beach.

Priorities Considerations: According to KISCC, this is a sensitive area due to presence of seabird nesting colonies.

Ecological Constraints (from site survey): During manual pickup of mousse, stay completely out of marsh areas.

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

_____ Date: _____
State Historic Preservation Officer *

EXXON: _____ Date: _____

FOSC: _____ Date: _____

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

ACE 7334721 +S

(version 4/29/89)

SHORELINE OIL EVALUATION

Date: 5/31/89 Time: 1710 h Observer: J. TARPLEY

Surveyed From: Foot/Boat/Helio/Plane Weather: Sun/Cloud/Rain/Snow/Fog

LOCATION

LOCATION Head of Dry BAY SEGMENT NUMBER DB-2

LENGTH OF SHORELINE SEGMENT: ~650 m

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

SHORELINE:

Shoreline Type: SPI/BEA/COV/HLD/STRT Slope: LANG/HANG/VER

Wave Exposure: High/Med/Low

Sediment: B___% / C___% / P___% / G 5 % / S 90 % / M <5 % /R___%

Drift Debris on Beach: Yes/No Supra/Upper/Mid/Lower Type Logs

OIL

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

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

Continuous: Y/N % of Segment_____ Width of Band: — m

Sporadic: Y/N % of Segment 100

Est. Oil Thickness where > 1cm: 1-3 cm Est. Oil Penetration: — cm

Pooled Oil: 0 % "Free" Oil: 0 % Coated: H___% /M___% /L 100 %

Fresh 0 % Mousse 100 % Tar Formation: 0 %

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

Comments:

Sporadic mousse patties throughout the segment.
Mousse located on gravel beach and in marsh grass.
Remove mousse from sand beach.

ACE 7334722

DOCUMENTATION:

Map/Aerial photo marking segment boundaries See Attached

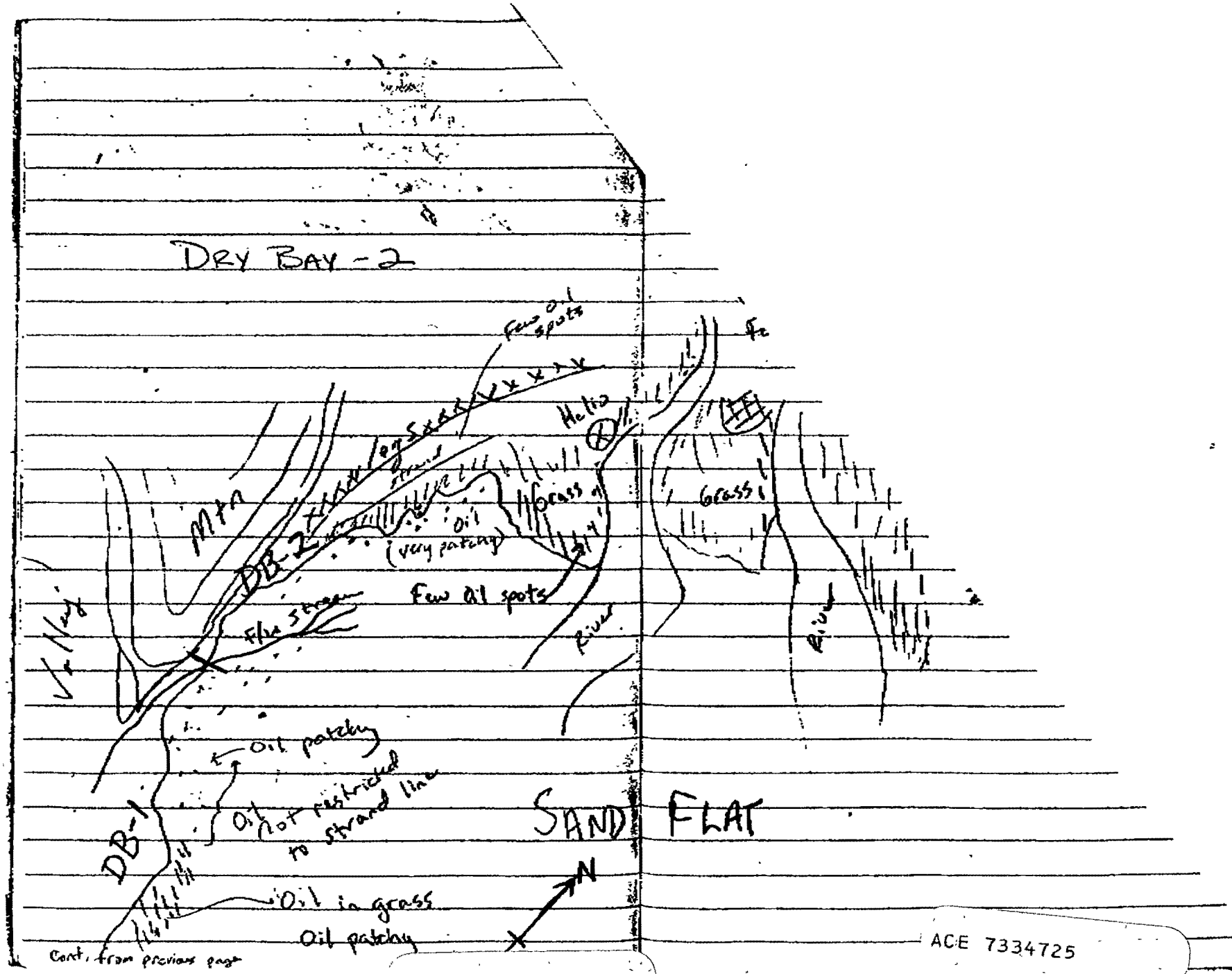
VTR: Y/(N) Tape Number(s) N/A

Photography: (Y)/N Roll Number(s) DMC-11

Sample Numbers Collected: N/A

ACE 7334723

DRY BAY - 2



ACE 7334724

ACE 7334725

ECOLOGICAL EVALUATION

LOCATION: DEY BAY SITE: WEST SHORE OBSERVER: D. McCORMICK

LOCATION PREFIX: DB SEG. NO.: 2 LENGTH: 650 (M)

DATE: 5/31/89 TIME (HHMM): 1710 TIDE HT.: 0.8 (M)

OILED ZONE: Splash (High) Medium Low

SUBSTRATUM: Rocks Boulder Cobble (Gravel Sand Mud)

LIVE BIOTA

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

Fucus at high IT2 - lightly to nonoiled

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

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

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

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

OTHER OBSERVATIONS: 3 caribou grazing at head of bay; caribou/bear tracks seen along bank of tide flat; 1 dead oiled bird in debris strand

CLEANUP PRECAUTIONS: Stay completely out of marsh areas. Although there is some oiling in marsh grasses, trying to clean it would do more harm than good.

MAMMALS: Otters ____ Harbor Seals ____ Sea Lions ____ Whales ____
Other Caribou

BIRDS: gulls

GENERAL OBSERVATIONS: Most oil here in form of mousse patties on surface or buried at strand line - no imports from manual pickup of oiled debris.

ACE 7334726

(version of 4/29/89)

CULTURAL RESOURCE EVALUATION

Date 5-31-89 Location Dry Bay Site west shore

Location Prefix DB Segment # 2 Length 650 m

Survey Method:

Air _____ (A - indicate on map) Boat _____ (A - indicate on map)

Ground ✓ (G - indicate on map)

Known cultural resources (AHRS #) None Data Source _____

Oil conditions/beach visibility Light band of scattered "blobs"

Width of beach zone surveyed 5 m Tree fringe surveyed 5-10 m

Cultural resources observed in beach zone (AHRS code) none

Cultural resources observed in tree fringe (AHRS code) none

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

Shore Profile Broad, outwash plain with an up to 100m wide band of drift wood above a low angle grass covered tidal flat.

Fresh Water Sources One large and two smaller streams

Sea Exposure Protected at the head of Dry Bay

Access/Safety Accessible by Helicopter, access by boat difficult

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

Monitoring during cleanup needed yes/(no) Collection yes/(no)

Photos: Color Roll # _____ Frames _____

B/W Roll # _____ Frames _____

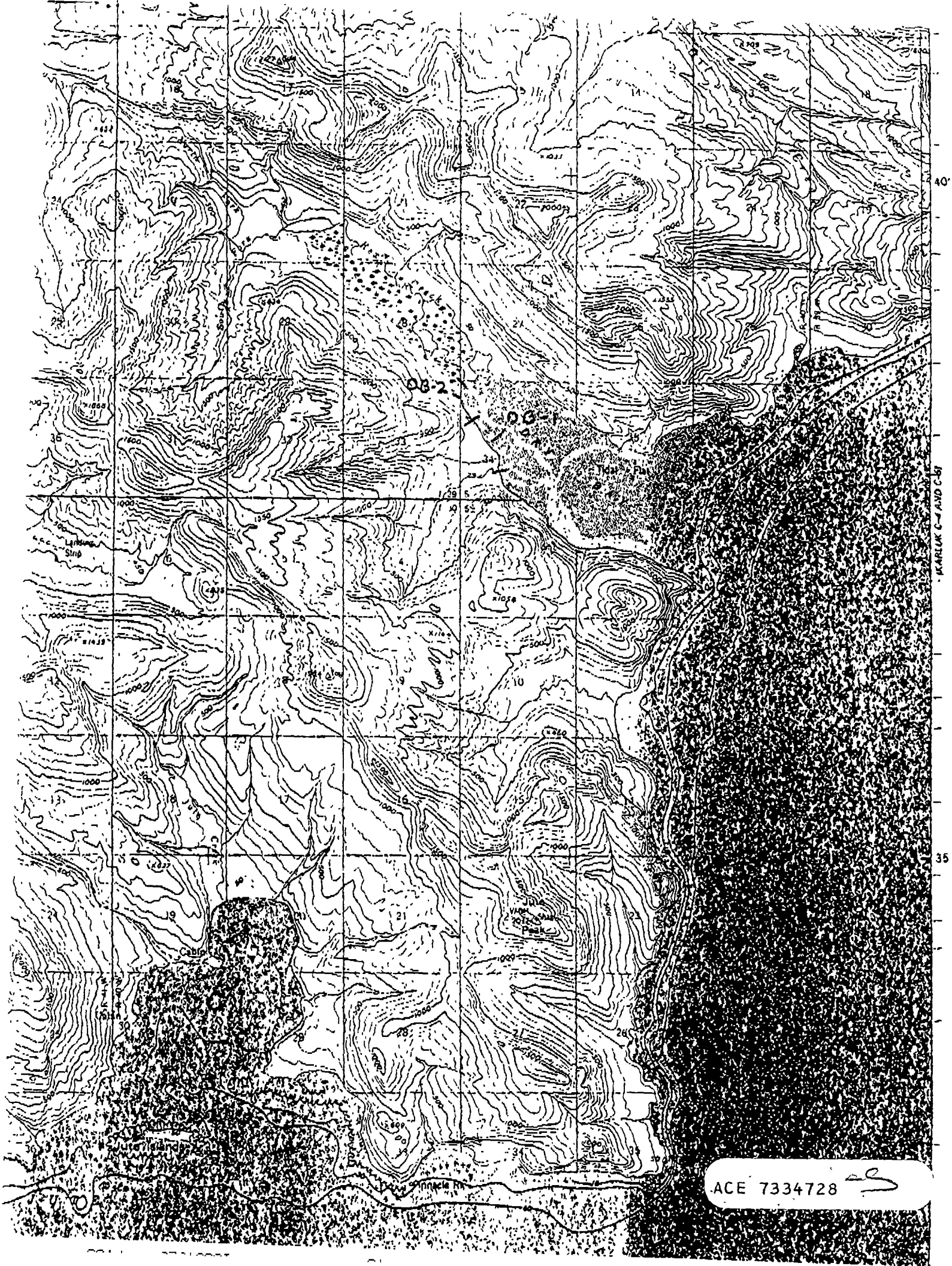
Observer(s) Mike Yarborough

Time survey started 5:10 pm Time survey ended 5:50 pm

Cultural resource considerations/restraints:

If heretofore undiscovered cultural remains are uncovered during cleanup, contact Exxon's Director of Field Archeology immediately.

ACE 7334727


DB-2
DB-1
Tidal Flat
Landing Strip
Cabin
Peak
Outer Island
Pinnacle Rk
40'
35
KARLUK C-4 AND C-5

ACE 7334728

ADF&G MULTI-ASSESSMENT FORM
1991 GENERAL ENTRY CHECKLIST

STREAM#: 2627510020
SEGMENT: DB008

 DATE PRINTED: 07/25/91

LOCATION: DRY BAY

SURVEY TYPE: 90 PRE SCREEN - SS METHOD: GROUND

DATE: 04/27/90 TEAM RECORDER: WEISS

START TIME: 1430 OBSERVERS: BARNHART
END TIME: 1455

TIDES: FLOOD AGENCY: FG
OG/HAB DISCREPANCIES: -

PHOTOS TAKEN: N

STATION: 2627510020 ROLL#: -0-
FRAME: -0-

VIDEO TAKEN: N TAPE#: -0-
START: -0- END: -0-

SAMPLES TAKEN: N

SAMPLE NUMBERS: -0- -0-

-0- -0-

-0- -0-

OIL IN STREAM BED: N

OVERALL OIL IMPACT: VL OIL ON BEACH BY MOUTH: Y

WAVE EXPOSURE: LOW SHORELINE TYPE: LAGOON

SUBSTRATE TYPE:							
BEDROCK	-0-	BOULDER	-0-	COBBLE	-0-	VEGETAT	-0-
GRAVEL	55	SAND	45	MUD/SILT	-0-	GRANULE	-0-

ANADROMOUS FISH PRESENT: N

SPECIES:	COUNT:
-0-	-0-
-0-	-0-
-0-	-0-
-0-	-0-
-0-	-0-

ADF&G MULTI-ASSESSMENT FORM
1991 OILING ENTRY CHECKLIST

DATE PRINTED: 07/26/91

STREAM# : 2627510020
SEGMENT#: DB008

SURVEY TYPE : 90 PRE SCREEN - SS
LOCATION: DRY BAY
DATE: 04/27/90
TIMES: 1430 - 1455
TEAM RECORDER: WEISS

-- OILING EXTENT --

SITE#	SITE TYPE	DEPTH (cm)	LENGTH (m)	WIDTH (m)	AREA (m)	%	THICK (cm)	PEN (cm)	OIL TYPE CODES
1	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0- TB PT

COMMENTS:
TB PT/P ON ISLET AT STREAM MOUTH. SOME SCATTERED STAINED DRIFT IN STORM TIDE LINE APPROX 300M UP STREAM. RECOMMEND ANADSSAT.

90 PA

Prescreen

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

4 START TIME: 1430

5 STOP TIME: 1455

6 SEGMENT #: DB008

7 STATION #:

8 K-UNIT: K1009

9 STAT AREA:

10 LAT:

11 LONG:

12 SOURCE: Map Loran

13 LOCATION: DRY BAY, AK PENINSULA

14 DESCRIPTION:

15 HIGH TIDE TIMES: /

16 HIGH TIDE HTS: /

17 LOW TIDE TIMES: 1046 /

18 LOW TIDE HTS: -3.5 /

19 TIDE HT AT SURVEY:

Ebb Slack (Flood) Slack

20 USCG QUAD:

21 TEAM RECORDER: E. WEISS

22 OBSERVERS: J. BARNHART

23 AGENCY: ADF&G

24 PHOTOS TAKEN: Y ✓

Roll #: Frame:

25 VIDEO TAKEN: Y ✓ TAPE#:

Start: End:

26 SAMPLES TAKEN? Y ✓ Number

Oil

Sediment

Biological

Water

EXTENT OF OIL

	SHORELINE L	SHORELINE W	SHORELINE M²	SHORELINE %	STREAM L	STREAM W	STREAM M²	STREAM %
27 SURFACE COVERAGE								
28 SURFACE THICKNESS								
29 PENETRATION								

30 OVERALL OIL IMPACT: N (VL) L M H

31 OIL TYPE: Pooled (Mousse) (Tar) Asphalt Sticky Stain

32 OILED DEBRIS? ✓ 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 55 Sand 45 Mud/silt

36 CATALOGED ANAD. FISH SREAM? Y N

37 CATALOG #: 262-75-10020

38 STREAM NAME: (REX? - yes Rex creek) DRY BAY CREEK

39 OIL IN STREAM BED? Y ✓

40 OIL ON STREAM BANKS? ✓ N

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

42 OIL WITHIN 1 MILE OF STREAM? Y N

Where: NOT surveyed JPB

43 ANADROMOUS FISH PRESENT? Y (N)

44 ANADROMOUS FISH OBSERVATION

Species	Aerial	Ground
	ACE 7334737	

COMMENTS: TB PT / P ON ISLET AT STREAM MOUTH. SOME SCATTERED STAINED DRIFT IN STORM TIDE LINE ≈ 300m UP STREAM.

RECOMMEND: ANASSSAT Ed Weiss Jeff Barnhart

ADF&G MULTI-ASSESSMENT FORM
1991 GENERAL ENTRY CHECKLIST

STREAM#: 2627510020
SEGMENT: DB008

 DATE PRINTED: 07/25/91

LOCATION: DRY BAY

SURVEY TYPE: 90 ANADSSAT METHOD: GROUND

DATE: 05/02/90 TEAM RECORDER: BARNHART

START TIME: 1620 OBSERVERS: GARCIA REID MCMAHON
END TIME: 1655 FAWCETT

TIDES: -0- AGENCY: FG EXX WWC USCG
OG/HAB DISCREPANCIES: -

PHOTOS TAKEN: N

STATION: 2627510020 ROLL#: -0-
FRAME: -0-

VIDEO TAKEN: N TAPE#: -0-
START: -0- END: -0-

SAMPLES TAKEN: N

SAMPLE NUMBERS: -0- -0-

-0- -0-

-0- -0-

OIL IN STREAM BED: N

OVERALL OIL IMPACT: VL OIL ON BEACH BY MOUTH: Y

WAVE EXPOSURE: MOD SHORELINE TYPE: BEACH

SUBSTRATE TYPE: BEDROCK -0- BOULDER -0- COBBLE -0- VEGETAT -0-

GRAVEL 5 SAND 95 MUD/SILT -0- GRANULE -0-

ANADROMOUS FISH PRESENT: -

SPECIES:	COUNT:
-0-	-0-
-0-	-0-
-0-	-0-
-0-	-0-
-0-	-0-

ADF&G MULTI-ASSESSMENT FORM
1991 OILING ENTRY CHECKLIST

 DATE PRINTED: 07/26/91

STREAM# : 2627510020
SEGMENT#: DB008

SURVEY TYPE : 90 ANADSSAT LOCATION: DRY BAY
DATE: 05/02/90
TIMES: 1620 - 1655 TEAM RECORDER: BARNHART

-- OILING EXTENT --

SITE#	SITE TYPE	DEPTH (cm)	LENGTH (m)	WIDTH (m)	AREA (m)	%	THICK (cm)	PEN (cm)	OIL TYPE CODES
1	-0-	-0-	30	3	90	4	2	0	TB

COMMENTS:
AREA A (SITE #1), WAS THE ONLY LOCATION WHERE WE FOUND OIL. IT WAS VL TAR PATTIES AND TARBALLS. IF A CLEANUP CREW IS IN THE AREA I SUGGEST THE OIL BE MANUALLY REMOVED.

90 Anadssat

ASC NUMBER:	SEGMENT NUMBER:	YR CATALOGED:
LOCATION:		
STREAM NAME:		LATITUDE:
KODIAK K-UNIT:	LOCAL STREAM #:	LONGITUDE:
USGS QUADRANGLE:		LEGAL:
SHORELINE TYPE: Beach		WAVE EXPOSURE: M

ASC NUMBER: 262-75-10020
SURVEY TYPE: AS
METHOD: F
DATE: 5/2/90
START TIME: 1620
STOP TIME: 1655

TEAM RECORDER: J. Barnhart
OBSERVERS: Gus Garcia, William Reid, John McMahon, Mike Fawcett
AGENCY(IES): ADF+G/Exxon/WWC/USCG/WWC

PHOTOS TAKEN? N
Roll #: Frames:
VIDEO TAKEN? N Tape Number:
Counter Start:

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

OILING DATA

	LENGTH	WIDTH	M2	%	THICK	PEN	OIL TYPE
SITE 1	30	3	90	4	2 cm	Ø	TB
SITE 2							
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT: VL

OIL IN STREAM CHANNEL? N

OIL ON BEACH WITHIN 50M OF STREAM MOUTH? Y

SUBSTRATE

Bedrock	Granule
Boulder	Sand 95
Cobble	Silt
Pebble 5	Veget.

SPECIES					
COUNT					

COMMENTS: Area A, (Site #1) was the only location we found oil. It was VL Tar patties and Tarballs. If a cleanup crew is in the area I suggest the oil be manually removed.

Anadisscat

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: 6/2/90

4 START TIME: 1620

5 STOP TIME: 1655

6 SEGMENT #: DB008

7 STATION #:

8 K-UNIT: K1009

9 STAT AREA:

10 LAT: 57° 38' 31"

11 LONG: 155° 46' 18"

12 SOURCE: Map Loran (Anadcat)

13 LOCATION: Dry Bay, Alaska Peninsula

14 DESCRIPTION: S 29S 40W 29

15 HIGH TIDE TIMES: 8:52Am / 10:16pm

16 HIGH TIDE HTS: 14.1 / 14.8

17 LOW TIDE TIMES: 3:11Am / 3:50pm

18 LOW TIDE HTS: 5.4 / 1.9

19 TIDE HT AT SURVEY:

Ebb Slack Flood (Slack)

20 USCG QUAD: Karluk C-6

21 TEAM RECORDER: JEFFREY BARNHART

22 OBSERVERS: Gus Garcia, William Reid, John McMahon, Mike Fawcett

23 AGENCY: ADF&G/Exxon/WWC/USCG/WWC

24 PHOTOS TAKEN: Y (N)

Roll #: Frame:

25 VIDEO TAKEN: Y (N) TAPE#:

Start: End:

26 SAMPLES TAKEN? Y (N) Number

Oil

Sediment

Biological

Water

EXTENT OF OIL

	SHORELINE L	SHORELINE W	SHORELINE M²	SHORELINE %	STREAM L	STREAM W	STREAM M²	STREAM %
27 SURFACE COVERAGE	30	3	90	<5				
28 SURFACE THICKNESS								
29 PENETRATION								

30 OVERALL OIL IMPACT: N (VL) L M H

31 OIL TYPE: Pooled Mousse (Tar) Asphalt Sticky Stain

32 OILED DEBRIS? Y (N)

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

34 WAVE EXPOSURE: High Moderate (Low)

35 SUBSTRATE TYPE: Bedrock Boulder Cobble Gravel 5 Sand 95 Mud/silt

36 CATALOGED ANAD. FISH SREAM? (Y) N

37 CATALOG #: 262-75-10020

38 STREAM NAME: ~~Dry Bay Creek~~ Rex Creek 6/19/98 PB

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

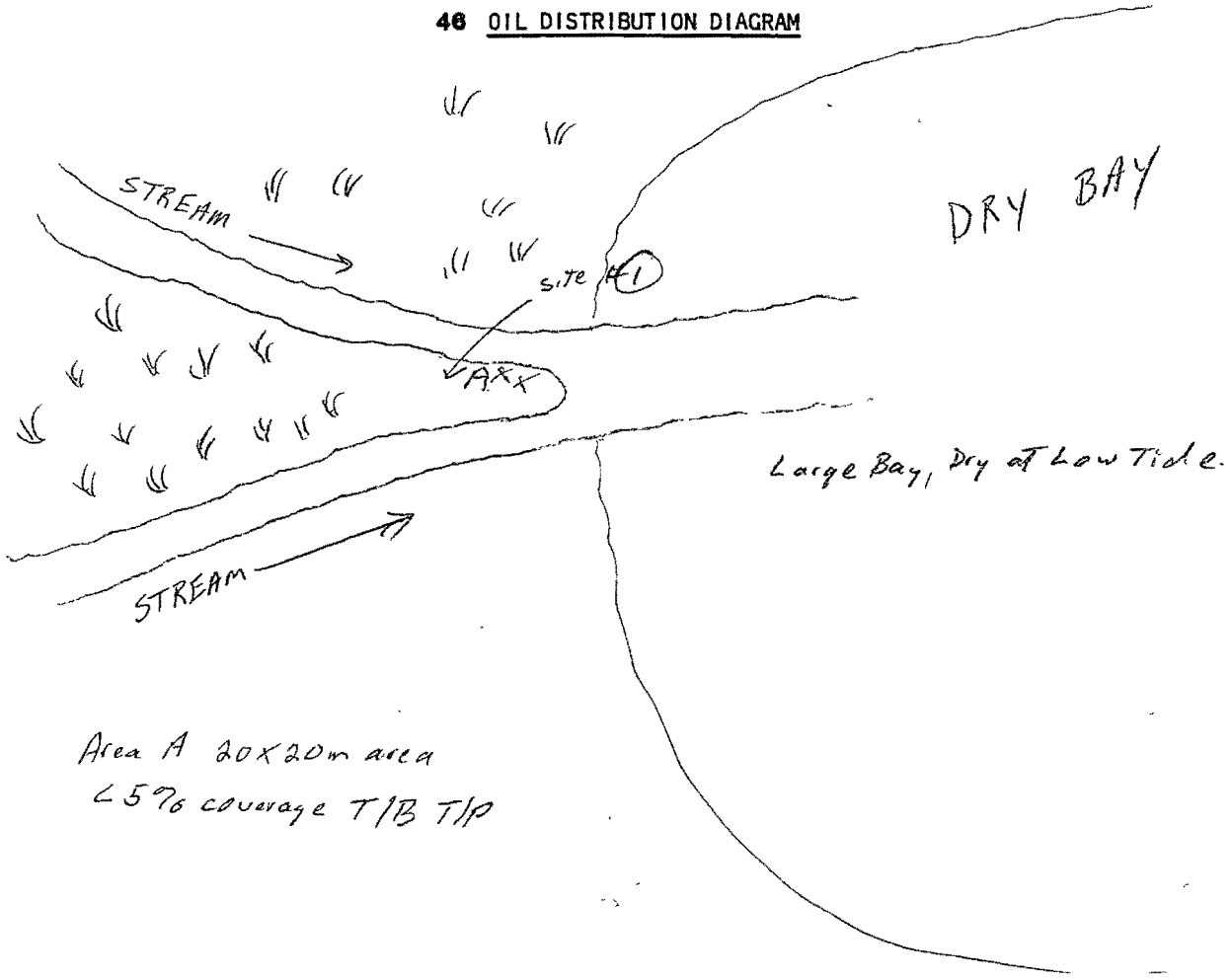
COMMENTS: Area A (see sketch map) was the only location we found oil. It was VL Tar patties and Tar balls. If a cleanup crew was working in a nearby area I would suggest that the oil be manually picked up. Jeff Barnhart

ACE 7334739

45 PHOTOLOG

FRAME(S)	DESCRIPTION

46 OIL DISTRIBUTION DIAGRAM



= Sample taken
= Photo frame # and shot direction.

ACE 7334740

ANADROMOUS FISH STREAM EVALUATION

SEGMENT ST/K10-09-DB-08 STREAM NO: 262-75-10020 DATE 5/2/90

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)
See attached Ecological Constraint sheet for specific constraints and contacts.

SUBDIVISION ECOLOGICAL CONSTRAINTS:

Avoid any unnecessary disturbance of damage to unoiled biota and substrate.

ARCHAEOLOGICAL CONSTRAINTS:

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

SHPO SIGNATURE: Rachel Joan Orr DATE: 5/22/90

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: 5/18/90.
ADEC Art Weiner Art Weiner
EXXON Andy Fa Beal
NOAA Gary Petree Gary Petree
USCG G.A. Reiter G.A. Reiter

FOSC: [signature] DATE: MAY 27 1990

ACE 7334696 +/FF

5/18/90 gum

RECEIVED
MAY 15 1990
DEPT. OF
ENVIRONMENTAL CONSERVATION

ANADROMOUS FISH STREAM ASSESSMENT

REGION: KODIAK

SEGMENT: K10-09-DB-008

SUBDIVISION: A

STREAM NO: 262-75-10020

DRY (REX) BAY CREEK

Just N. Cape Douglas

1.) recommend pickup of TB, TP IF crew in area. KRM 5/17/90

ACE 7334697+5

ANADROMOUS FISH STREAM EVALUATION

SEGMENT ST/K10-09-DB-08 STREAM NO: 262-75-10020 DATE 5/2/90

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)
See attached Ecological Constraint sheet for specific constraints and contacts.

SUBDIVISION ECOLOGICAL CONSTRAINTS:

Avoid any unnecessary disturbance of damage to unoiled biota and substrate.

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 _____ FOSC:_____ DATE:_____
NOAA _____
USCG _____

ACE 7334698

KODIAK ECOLOGICAL CONSTRAINTS

1A **Salmon stream mouth - fry outmigration (4/15 to 7/31)**
1B **Salmon stream mouth - spawning (7/15 to 9/10; PEAK 8/15)**
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, 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 prior to treatment for consultation and/or permit application.
AGENCY CONTACT PERSON: ADF&G Ken Middleton 267-2299

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, 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 **Kotoi Bay Hatchery release**
Pink salmon - late May, early June; Chum salmon - June; Sockeye salmon - early July.
1H **Remote release site**
No use of methods which might affect nearshore oil or toxicity levels, such as hot water wash or Inipol application, 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 for confirmation and authorization.
AGENCY CONTACT PERSON: ADF&G Larry Peltz 424-3214

1I **Gill net area**
1J **Purse seine area**
Mainland, West side Kodiak, Shuyak & Moser/Olga Bay (6/9 to 10/1)
East side Kodiak, East side Afognak (7/4 to 10/1)
1K **Purse seine hook-off**
1L **Set net sites**
Contact ADF&G for confirmation - dates and locations may vary. 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 Larry Nicholson 424-4791

2M **Herring spawning (4/15 to 6/30)**
Contact ADF&G for confirmation - dates and locations may vary. Restrict boat traffic to essential minimum. Avoid damage to unoiled 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 Larry Nicholson 486-4791

3N, 3P **Harbor seal and sea lion pupping (5/10 to 7/1)**
3O, 3Q **Harbor seal and sea lion molting (8/15 to 9/15)**
Restrict boat and air traffic to essential minimum. No personnel within 400m. Aircraft to maintain 800m horizontal and 300m vertical distance from haulouts. No application of Inipol within two weeks of arrival dates (work window at these sites is limited to 7/2 to 7/31). Contact ADF&G and USFWS prior to treatment for confirmation.
AGENCY CONTACT PERSON: US National Marine Fisheries Service Steve Zimmerman 586-7235
ADF&G Don Calkins 267-2403

5R **Seabird colony (5/1 to 9/1)**
Restrict air and boat traffic to essential minimum. No personnel within 800m. Aircraft to maintain 800m horizontal, 300m vertical distance from colony. Contact USFWS prior to treatment.
AGENCY CONTACT PERSON: USFWS Jill Parker 786-3377

5S **Shorebird/waterfowl concentration (4/1 to 5/15)**
Restrict all activity to essential minimum, especially air traffic. Contact USFWS and ADF&G for confirmation.
AGENCY CONTACT PERSON: USFWS Jill Parker 786-3377
ADF&G Tom Rothy 267-2206

5T **All Bald Eagle nests (3/1 to 6/1)**
Active Bald Eagle nests (3/1 to 9/1)
Restrict air traffic and all disturbance to essential minimum. No personnel within 400m 3/1 to 6/1. Air approach and takeoff from and to seaward only; maintain 800m horizontal, 300m vertical distance from nests. Contact USFWS prior to treatment for confirmation of dates.
AGENCY CONTACT PERSON: USFWS Jill Parker 786-3377

6U **Recreation:** **Tent sites (6/1 to 9/15)**
6V **Anchorages (6/1 to 9/15)**
6W **Forest Service cabins (6/1 to 9/15)**
6X **Lodge (6/1 to 9/15)**
6Y **Special use destination**

7Z **Subsistence area:** **Salmon harvesting (6/1 to 9/30)**
7HH **Finfish harvesting**
7II **Deer harvesting (8/1 to 1/7)**
7JJ **Invertebrate harvesting**
7KK **Bear harvesting (4/1 to 5/15 and 10/25 to 11/30)**
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 7334699

6/38 #4

FIELD SHORELINE COMMENT SHEET

SEGMENT ST / DB008 SUBDIVISION: _____ DATE 5/2/90

USCG
NAME CWO MCMAHON SIGNATURE [signature]

☒ NO TREATMENT RECOMMENDED ☐ TREATMENT SUGGESTED
COMMENTS

ADF&G
~~[illegible]~~
NAME JEFFREY BARNHART SIGNATURE Jeffrey Barnhart

☐ NO TREATMENT RECOMMENDED ☒ TREATMENT SUGGESTED
COMMENTS
VL T/P T/B. If a cleanup crew was working in a nearby area I would suggest that the T/P T/B be manually picked up and removed.

LAND MANAGER
NAME _____ SIGNATURE _____

☐ NO TREATMENT RECOMMENDED ☐ TREATMENT SUGGESTED
COMMENTS

ACE 7334700

SHORELINE OILING SUMMARY (ANAD.) 5/38 REVISION NO. 0

OG William Reid USCG McMahon SEGMENT ST/ DB 008
BIO Michael Fawcett LAND REP _____ STREAM 262-75-10001 OF
EXXON Gus Garcia ADFG ~~Mike Wildmer~~ Jeff Bernhart TIME 15:20 to :
TEAM NO. 15 TIDE LEVEL 1.5 ft DATE / MAY / 90
EST. SUBDIVISION LENGTH: 400 m ☐ Sun ☐ Clouds ☐ Fog ☒ Rain ☐ Snow
UPLANDS DESCRIPTION: ☒ Grass ☐ Forest ☐ Rock
SURVEYED FROM: ☒ Foot ☐ Boat ☐ Helo
SURFACE SEDIMENTS: R ___ % B ___ % C ___ % P 10 % G 30 % S ___ % M ___ % V 0
SLOPE: Lang 100 % Hang ___ % Vert ___ % WAVE EXPOSURE: ☒ Low ☐ Med ☐ Hig
OIL CATEGORY LENGTH: W 0 m M 0 m N 30 m VL 0 m NO 370

SURFACE OIL

CHARACTER	DISTRIBUTION				OIL / FILM COLOR					IMPACTED ZONES			
	/C	/B	/P	/S	BRL/BR	DRL/RW	GY/SL	DRK/TL	LBR	SU	UI	MI	LI
ASPHALT PAVEMENT													
POOLED													
COVER													
COAT													
STAIN													
MOUSSE													
PATTIES			X					X			X		
TARBALLS			X					X			X		
FILM													
NO OIL										X		X	X

PAVEMENT H F S 0 sq. m by 0

PATTIES / TARBALLS 0 B/

NEAR SHORE SHEEN? NO BR RW SL

OILED DEBRIS	AMOUNT SM	MD	LG
Logs			
Vegetation			
Trash			
Debris			

Did you Col DEBRIS ☐ YES ☐ NC

TYPE 0

#BAGS 0

Photographs:

Roll No. A5-15-8

Frames 12-13

SUBSURFACE OIL

PIT NO.	PIT DEPTH (cm)	SUBSURFACE OIL CHARACTER					OILED INTERVAL (CM-CM)	BELOW		OIL / FILM COLOR					PIT ZONE				ANA	SHEEN (Y/N)		SURFAC SUBSURF SEDIMEN
		OP	OR	OL	OF	NO		UO	UC	BRL/BR	DRL/RW	GY/SL	DRK/TL	LBR	SU	UI	MI	LI				
1	50					X	-									X				N		S/C
2	40					X	-									X				N		G/P
							-															
							-															
							-															
							-															

COMMENTS

ACE 7334701

REVIEWED JW DATE 5/8/90

SKETCH MAP

ST/ DB 9.08

STREAM 26.275-1.00020

DATE 2 / MAR 90

CHECKLIST

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

LEGEND

1 △

Pit - No Subsurface Oil

2 ▲

Pit - Subsurface Oil

CT/C

Continuous Distribution

CT/B

Broken Distribution

CT/P

Patchy Distribution

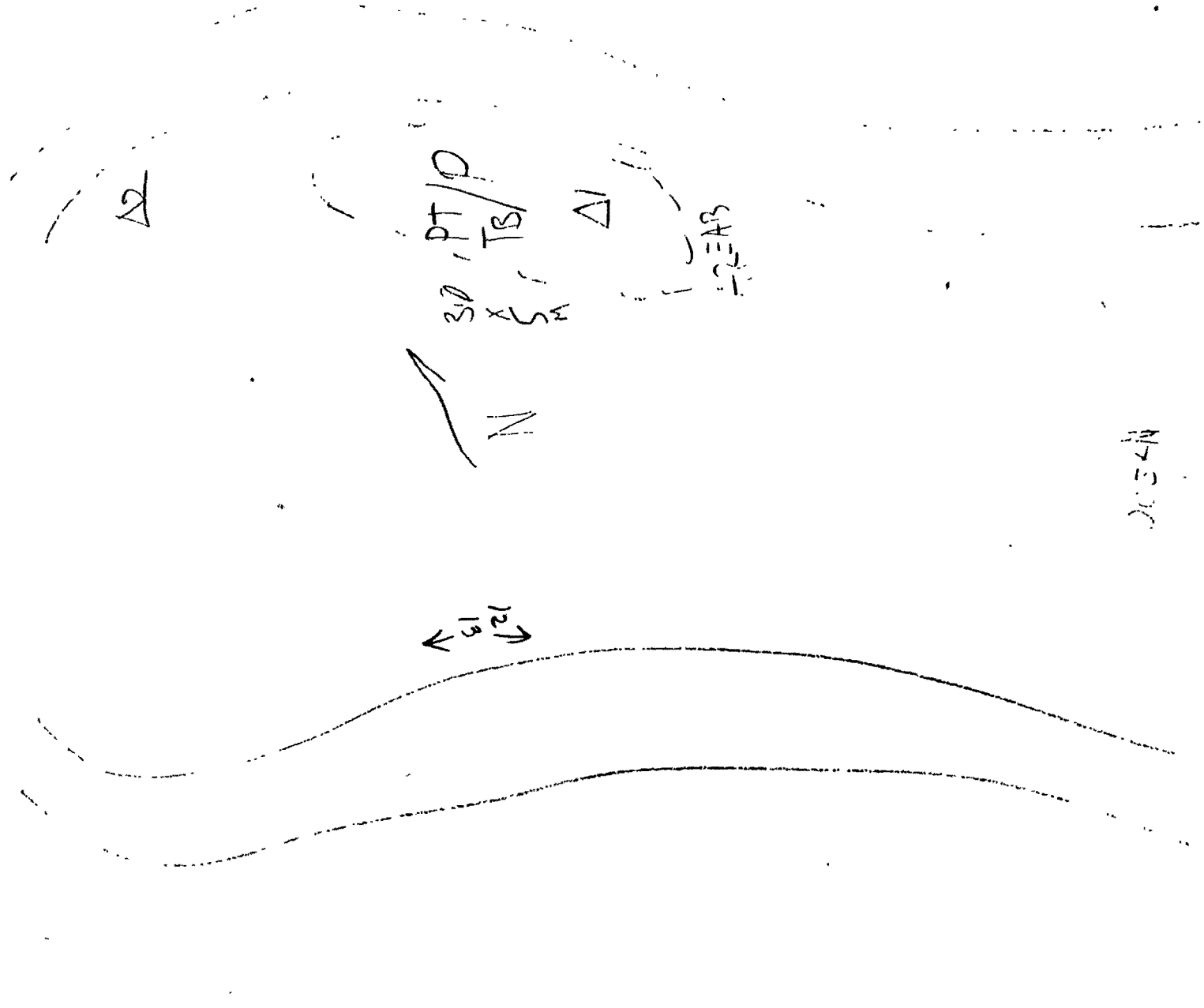
CT/S

Splashed Distribution

Oiled Vegetation

1 ●→

Photo location, direction, and number



Oil Character Length (m): AP_____ PO_____ CV_____ CT_____ ST_____ MS_____ PT_____ TB_____ FL_____ NO_____

REVISION:03/24/88

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: 5/2/96

4 START TIME: 1620

5 STOP TIME: 1655

6 SEGMENT #: DBCC8

7 STATION #:

8 K-UNIT: K1C09

9 STAT AREA:

10 LAT: 57° 38' 31"

11 LONG: 155° 46' 18"

12 SOURCE: Map Loran (Annlcat)

13 LOCATION: Dry Bay, Alaska Peninsula

14 DESCRIPTION: S 39S 40W 29

15 HIGH TIDE TIMES: 8:52am / 10:16pm

16 HIGH TIDE HTS: 14.1 / 14.8

17 LOW TIDE TIMES: 3:11am / 3:50pm

18 LOW TIDE HTS: 5.4 / 1.9

19 TIDE HT AT SURVEY:

Ebb Stack Flood (Stack)

20 USCG QUAD: Kaluk C-6

21 TEAM RECORDER: JEFFREY BARNHART

22 OBSERVERS: Gus Garcia, William Reid, John McMahon, Mike Fan.

23 AGENCY: ADF&G Ecol. / WWC / USCG / w

24 PHOTOS TAKEN: Y (N)

Roll #: Frame:

25 VIDEO TAKEN: Y (N) TAPE#:

Start: End:

26 SAMPLES TAKEN? Y (N) Number

Oil

Sediment

Biological

Water

EXTENT OF OIL

	SHORELINE L	SHORELINE W	SHORELINE M²	SHORELINE %	STREAM L	STREAM W	STREAM M²	STREAM %
27 SURFACE COVERAGE	30	3	90	<5				
28 SURFACE THICKNESS								
29 PENETRATION								

30 OVERALL OIL IMPACT: N (VL) L M H

31 OIL TYPE: Pooled Mousse (Tar) Asphalt Sticky Stain

32 OILED DEBRIS? Y (N)

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

34 WAVE EXPOSURE: High Moderate (Low)

35 SUBSTRATE TYPE: Bedrock Boulder Cobble Gravel 5 Sand 9.5 Mud/silt

36 CATALOGED ANAD. FISH STREAM? (Y) N

37 CATALOG #: 262-75-10020

38 STREAM NAME: Dry Bay Creek

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: Area A (see sketch map) was [illegible] found oil. It was VL tar balls and tar balls [illegible] crew was working in a nearby area. I would suggest that the oil be manually picked up. Jeff Barnhart

ACE 7334703

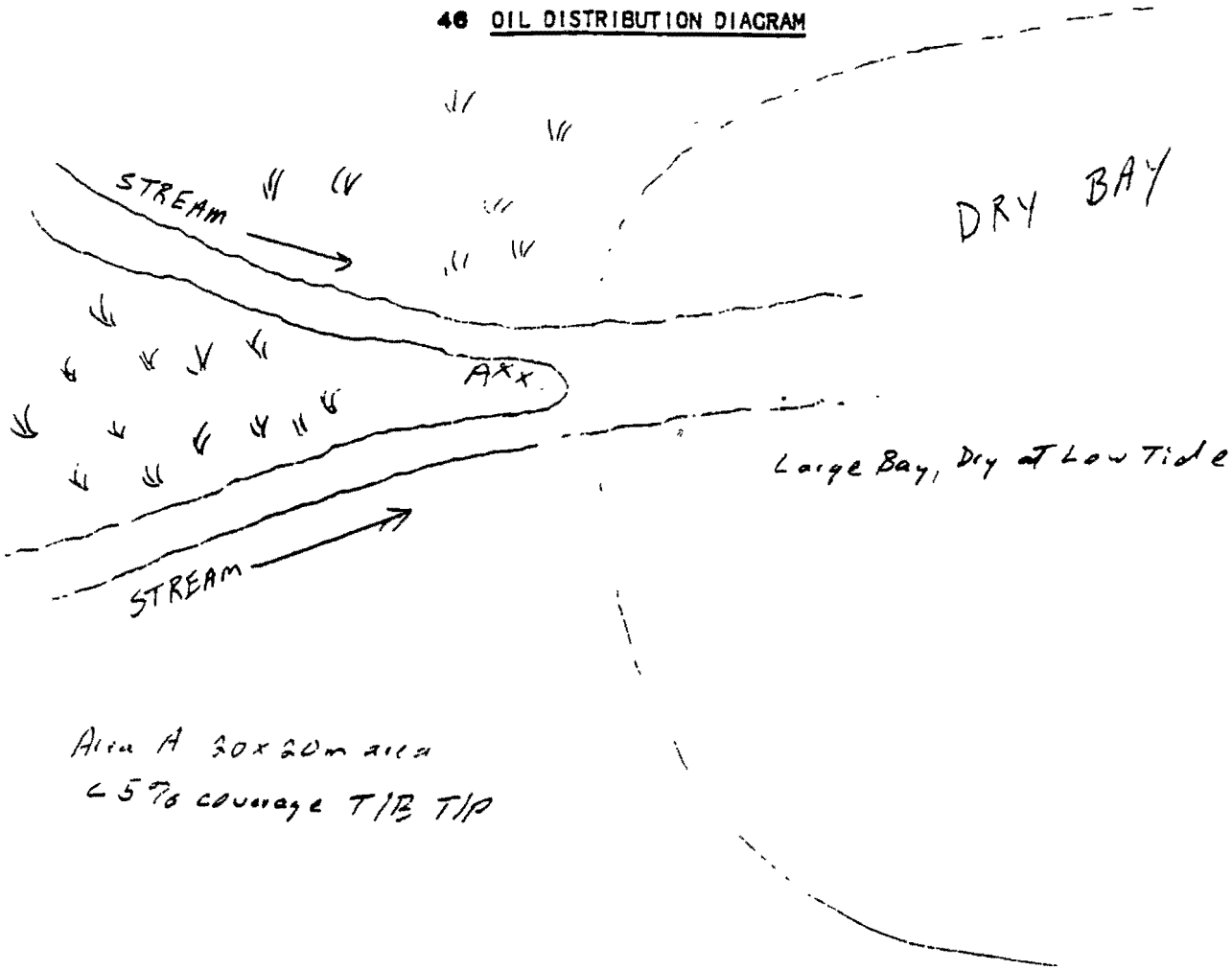
I agree with recommendations [illegible]

45 PHOTOLOG

4/35

FRAME(S)	DESCRIPTION

46 OIL DISTRIBUTION DIAGRAM



Area A 30x20m area
<5% coverage T/B T/P

Sample taken
= Photo frame # and
shot direction.

ACE 7334704-5

STATE OF ALASKA

DEPARTMENT OF FISH AND GAME

STEVE COWPER, GOVERNOR

Rapifax 349-1723

333 RASPBERRY ROAD
ANCHORAGE, ALASKA 99518-1599
PHONE: (907) 344-0541

ANAD SCAT

RAPIFAX TRANSMITTAL SHEET

TO: Ken Middleton
Anch. Habitat

DATE: 5/7/90

No. Pages: 16
(including this page)

FROM: JEFF BARNHART
Kodiak Habitat

MESSAGE: Stream 262-75-10020
Segment DB008

ALASKA DEPT. OF
FISH & GAME

MAY 07 1990

REGION II
HABITAT DIVISION

ACE 7334705 +5

OPERATIONS FIELD NOTES

See Back for Instructions

SEGMENT ID ANAO DB-008
STREAM ID # 262-75-10020
ANNOTATED MAP INCLUDED Y/(N)

DATE 5-2-90
NAME GARCIA
TEAM # 15

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

SUBSURFACE OIL – NONE

Other (Describe)?	

TARMATS	Quantities in Meters			Treatment Rec			# of Bags	Mandays Required	
	Length	Width	Thick(cm)	None	Breakup	Remove		Breakup	Remove
Area #1									
Area #2									
Area #3									
Area #4									
Sporadic Mats AREA B	30	5	4	✓			—	—	—

MANUAL PICKUP	Type of Debris			In Meters		# of Bags	Pickup Y/N	Manday Estimate
	Mousse Tarballs	Oiled Veget	Cleanup Debris	Length	Width			
"Pocket" #1								
"Pocket" #2	NONE							
"Pocket" #3								
Random/Continuous								

OILED LOGS Y/(N)	OILING H/M/L	QUANTITY L/M/S	BURN Y/N	

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

GENERAL

Snow covering 0 % of the Supratidal Zone?

Wave Exposure H/M/(L) Access Limitations: NONE

Snare Boom/Pom Poms Recommended? NO

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

COMMENTS:

THE VERY SPORADIC TAR BALLS ARE CONFINED TO AREA 'B' AS NOTED ON THE MAP. NO TREATMENT RECOMMENDED FOR THIS STREAM.

ACE 7334706

2/38 #4

FIELD SHORELINE COMMENT SHEET

SEGMENT ST 1DB008 SUBDIVISION: _____ DATE 5/2/90

USCG
NAME CWO M CLAYBORN SIGNATURE [signature]

☒ NO TREATMENT RECOMMENDED ☐ TREATMENT SUGGESTED
COMMENTS

ADF&G
~~ADEC~~
NAME JEFFREY BARNHART SIGNATURE Jeffrey Barnhart

☐ NO TREATMENT RECOMMENDED ☒ TREATMENT SUGGESTED
COMMENTS
VL T/P T/B. If a cleanup crew was working in a nearby area I would suggest that the T/P T/B be manually picked up and removed.

LAND MANAGER
NAME _____ SIGNATURE _____

☐ NO TREATMENT RECOMMENDED ☐ TREATMENT SUGGESTED
COMMENTS

ACE 7334707

3/38

ADF&G MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: BS (SS) OS TS AVS SCHA MMHS PTA

2 REGION: PWS KP,CI K,(AP)

METHOD: Aerial (Ground) Boat

3 DATE: 5/2/90

4 START TIME: 1620

5 STOP TIME: 1655

6 SEGMENT #: DB008

7 STATION #:

8 K-UNIT: K1009

9 STAT AREA:

10 LAT: 57° 38' 31"

11 LONG: 155° 46' 18"

12 SOURCE: Map Loran (Anadcut)

13 LOCATION: Dry Bay, Alaska Peninsula

14 DESCRIPTION: S 29S 40W 29

15 HIGH TIDE TIMES: 8:52am / 10:16pm

16 HIGH TIDE HTS: 14.1 / 14.8

17 LOW TIDE TIMES: 3:11am / 3:50pm

18 LOW TIDE HTS: 5.4 / 1.9

19 TIDE HT AT SURVEY:

Ebb Slack Flood (Slack)

20 USCG QUAD: Kaylak C-6

21 TEAM RECORDER: JEFFREY BARNHART

22 OBSERVERS: Gus Garcia, William Reid, John McMahon, Mike Fow

23 AGENCY: ADF&G/Exxon/NOAA/USCG/

24 PHOTOS TAKEN: Y (N)

Roll #: Frame:

25 VIDEO TAKEN: Y (N) TAPE#:

Start: End:

26 SAMPLES TAKEN? Y (N) Number

Oil

Sediment

Biological

Water

EXTENT OF OIL

	SHORELINE L	W	M²	%	STREAM L	W	M²	%
27 SURFACE COVERAGE	30	3	90	<5				
28 SURFACE THICKNESS								
29 PENETRATION								

30 OVERALL OIL IMPACT: N (VL) L M H

31 OIL TYPE: Pooled Mousse (Tar) Asphalt Sticky Stain

32 OILED DEBRIS? Y (N)

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

34 WAVE EXPOSURE: High Moderate (Low)

35 SUBSTRATE TYPE: Bedrock Boulder Cobble Gravel .5 Sand 9.5 Mud/silt

36 CATALOGED ANAD. FISH STREAM? (Y) N

37 CATALOG #: 262-75-10020 (REX)

38 STREAM NAME: Dry Bay Creek

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

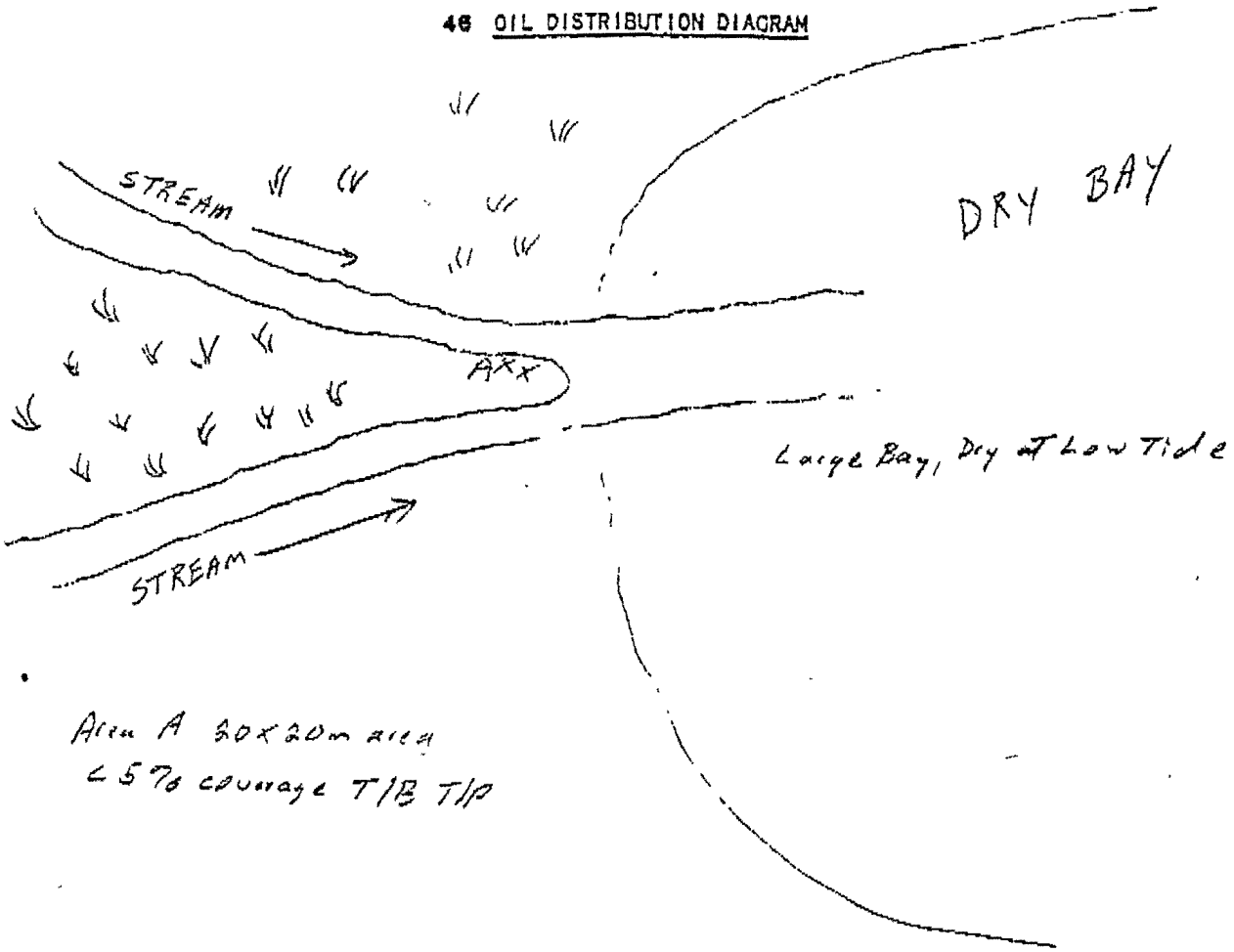
COMMENTS: Area A (see sketch map) was the only location we found oil. It was VL Tar patties and Tar balls. If a cleanup crew was working in a nearby area I would suggest that the oil be manually picked up. Jeff Barnhart

ACE 7334708

I agree with recommendations. M H Fowler

FRAME(S)	DESCRIPTION

46 OIL DISTRIBUTION DIAGRAM



ample taken
hoto frame # and
hot direction.

ACE 7334709

SHORELINE OILING SUMMARY (ANAD.) 5/38 REVISION NO. 04

OG William Reid USCG McMahon SEGMENT ST/ DB008
BIO Michael Fawcett LAND REP _____ STREAM 262-75-10001 OF ____
EXXON Gus Garcia ADFG ~~Mike Whitmer~~ Jeff Brewhart TIME 15:30 to ____
TEAM NO. 15 TIDE LEVEL 1.5 ft DATE 21 MAY 90
EST. SUBDIVISION LENGTH: 400 m ☐ Sun ☐ Clouds ☐ Fog ☒ Rain ☐ Snow
UPLANDS DESCRIPTION: ☒ Grass ☐ Forest ☐ Rock
SURVEYED FROM: ☒ Foot ☐ Boat ☐ Helo
SURFACE SEDIMENTS: R____% B____% C____% P 10 % G 30 % S____% M____% V 60
SLOPE: Lang 100 % Hang____% Vert____% WAVE EXPOSURE: ☒ Low ☐ Med ☐ High
OIL CATEGORY LENGTH: W____m M____m N 30 m VL____m NO 370

SURFACE OIL

CHARACTER	DISTRIBUTION /C	/S	/P	/S	OIL / FILM COLOR BR/BK	DEL/RW	GY/SL	OBR/TL	LBR	IMPACTED ZONES SU	UI	MI	LI
ASPHALT PAVEMENT													
POOLED													
COVER													
COAT													
STAIN													
MOUSSE													
PATTIES			X					X			X		
TARBALLS			X					X			X		
FILM													
NO OIL													

PAVEMENT H F S____sq. m by____
PATTIES / TARBALLS____BAC
NEAR SHORE SHEEN? (NO) BR RW SL TI

OILED DEBRIS	AMOUNT SM	MD	LG
Logs			
Vegetation			
Trash			
Debris			

Did You Collect DEBRIS ☐ YES ☐ NO
TYPE____
#BAGS____

Photographs:
Roll No. A5-15-8
Frames 12-13

SUBSURFACE OIL

PIT NO.	PIT DEPTH (cm)	SUBSURFACE OIL CHARACTER OP	OR	OL	OF	NO	OILED INTERVAL (CM-CM)	BELOW UO	UC	OIL / FILM COLOR BR/BK	DEL/RW	GY/SL	OBR/TL	LBR	PIT ZONE SU	UI	MI	LI	ANA	SHEEN (Y/N)	▼	SURFACE SUBSURFACE SEDIMENTS
1	50					X	-									X				N		S/G
2	40					X	-									X				N		G/P
							-															
							-															
							-															
							-															

COMMENTS

REVIEWED____ DATE____

ACE 7334710

Film 113-15-0

LIAM REID

ST/ DB 008

STREAM 262-75-10020

DATE 2 / MAY 90

SKETCH MAP

CHECKLIST

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

LEGEND

1 △ Pit - No Subsurface Oil

2 ▲ Pit - Subsurface Oil

CT/C Continuous Distribution

CT/B Broken Distribution

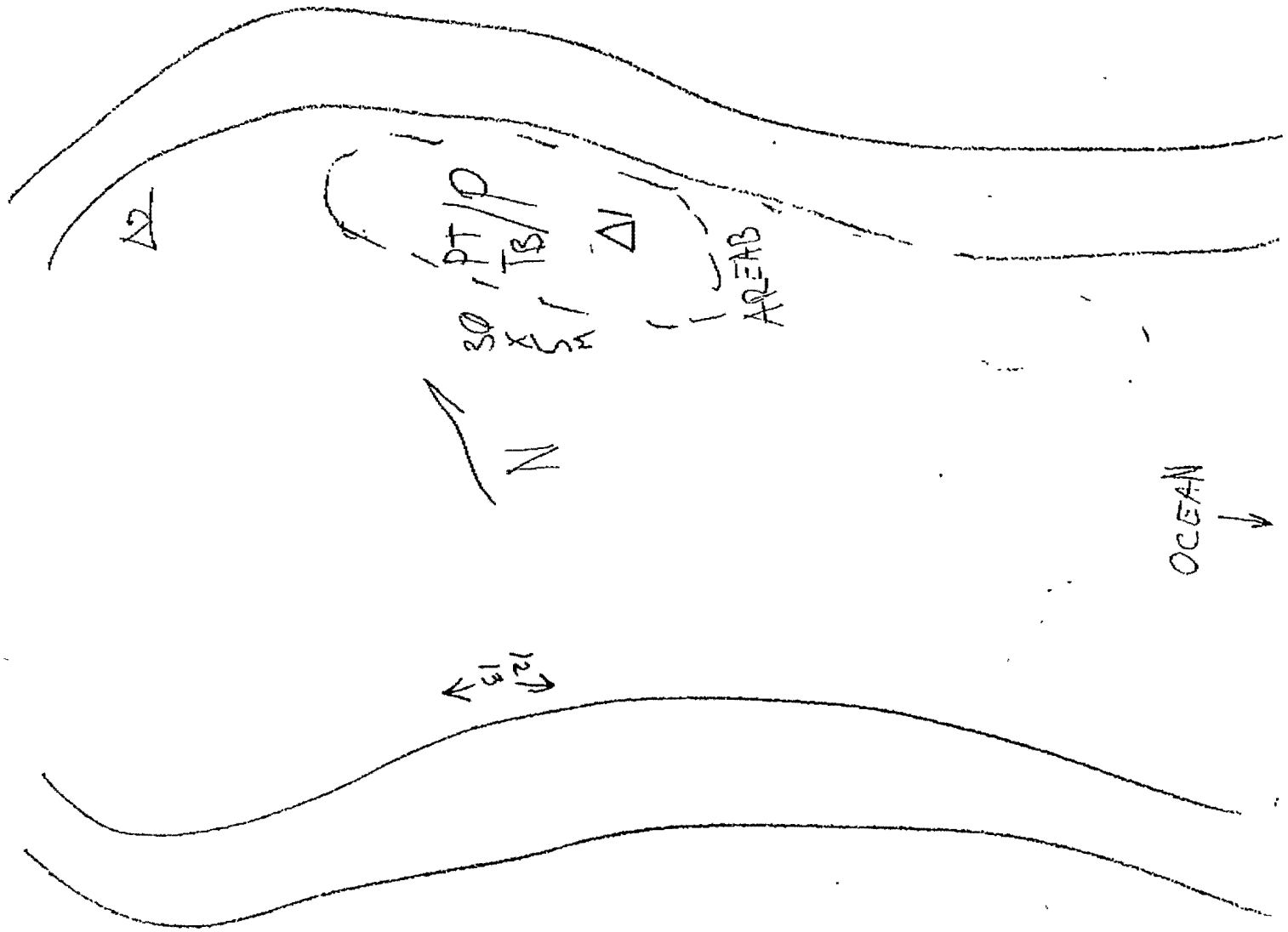
CT/P Patchy Distribution

CT/S Splashed Distribution

eee Oiled Vegetation

1 ●→ Photo location, direction, and number

ACE 7334711



Oil Character Length (m): AP_____ PO_____ CV_____ CT_____ ST_____ MS_____ PT_____ TB_____ FL_____ NO_____

REVISION:03/24/90

MAY 07 '90 14:04 DEPTAAAAAAAAAAAAAAAA P.7/10

Segment DB008
Dry Bay
stream 262-75-10620
Ecological Summary

5/2/90
Michael Fawcett

This large stream has a wide sand and mud delta facing the sea, with intertidal gravel channels and grass-covered flats further inland. A few tar balls were found in one small gravel area. No treatment is recommended.

Michael H Fawcett

8/38

SSAT DATA ENTRY FORM PAGE 1 OF 2

GENERAL DATA

262-75

SEG ID: DB008 SUBDIV: 10020 TEAM: AS-15 SURVEY DATE: 5/2/90
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: 400 OIL CATEGORY: W 0 M 0 N 30 VL 0 NO 370 U 0

SURFACE DATA

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

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

CHAR #: 2 OIL CHAR: TB OIL DIST: CONT — BRKN — PTCH X SPLH —
OIL CLR: DBR FILM CLR: — TIDAL ZONE: SU — UI X MI — LI —

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

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

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

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

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

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

ACE 7334713

9/38

SSAT DATA ENTRY FORM

SUBSURFACE DATA PAGE 2 OF 2

SEGMENT ID: DB008 SUBDIV: 262-75-10020

PIT # 1 PIT DEPTH 50 OIL CHARACTER — OIL INTVAL: FROM 0 TO 0
QUANT: — OIL CLR: — FLM CLR: — ZONE: SU — UI X MI — LI —
SUBSURF SEDIMENT: BRK — BLD — COB — PEB — GRN X SAN X MUD — VEG —

PIT # 2 PIT DEPTH 40 OIL CHARACTER — OIL INTVAL: FROM 0 TO 0
QUANT: — OIL CLR: — FLM CLR: — ZONE: SU — UI X MI — LI —
SUBSURF SEDIMENT: BRK — BLD — COB — PEB X GRN X SAN — MUD — VEG —

PIT #____ PIT DEPTH____ OIL CHARACTER____ OIL INTVAL: FROM____ TO____
QUANT:____ OIL CLR:____ FLM CLR:____ ZONE: SU____ UI____ MI____ LI____
SUBSURF SEDIMENT: BRK____ BLD____ COB____ PEB____ GRN____ SAN____ MUD____ VEG____

PIT #____ PIT DEPTH____ OIL CHARACTER____ OIL INTVAL: FROM____ TO____
QUANT:____ OIL CLR:____ FLM CLR:____ ZONE: SU____ UI____ MI____ LI____
SUBSURF SEDIMENT: BRK____ BLD____ COB____ PEB____ GRN____ SAN____ MUD____ VEG____

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:

ACE 7334714 - S

ANADROMOUS FISH STREAM EVALUATION

SEGMENT ST/K10-09-DB-08 STREAM NO: 262-75-10020 DATE 5/2/90

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)
See attached Ecological Constraint sheet for specific constraints and contacts.

SUBDIVISION ECOLOGICAL CONSTRAINTS:

Avoid any unnecessary disturbance of damage to unoiled biota and substrate.

ARCHAEOLOGICAL CONSTRAINTS:

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

SHPO SIGNATURE: Rachel Joan Orr DATE: 5/22/90

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: 5/18/90.
ADEC Art Weiner Art Weiner
EXXON Andy Ga Gal
NOAA Gary Petrie Gary Petrie
USCG G.A. REITER G.A. Reiter

FOSC: [signature] DATE: MAY 27 1990

ACE 7334715

SKETCH MAP

ST/ DB 6/18

STREAM 262-75-1 MPZD

DATE 2 / MAR 90

CHECKLIST

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

LEGEND

1 △

Pit - No Subsurface Oil

2 ▲

Pit - Subsurface Oil

CT/C

Continuous Distribution

CT/B

Broken Distribution

CT/P

Patchy Distribution

CT/S

Splashed Distribution

Oiled Vegetation

1 ●→

Photo location, direction, and number

ACE 73347 16

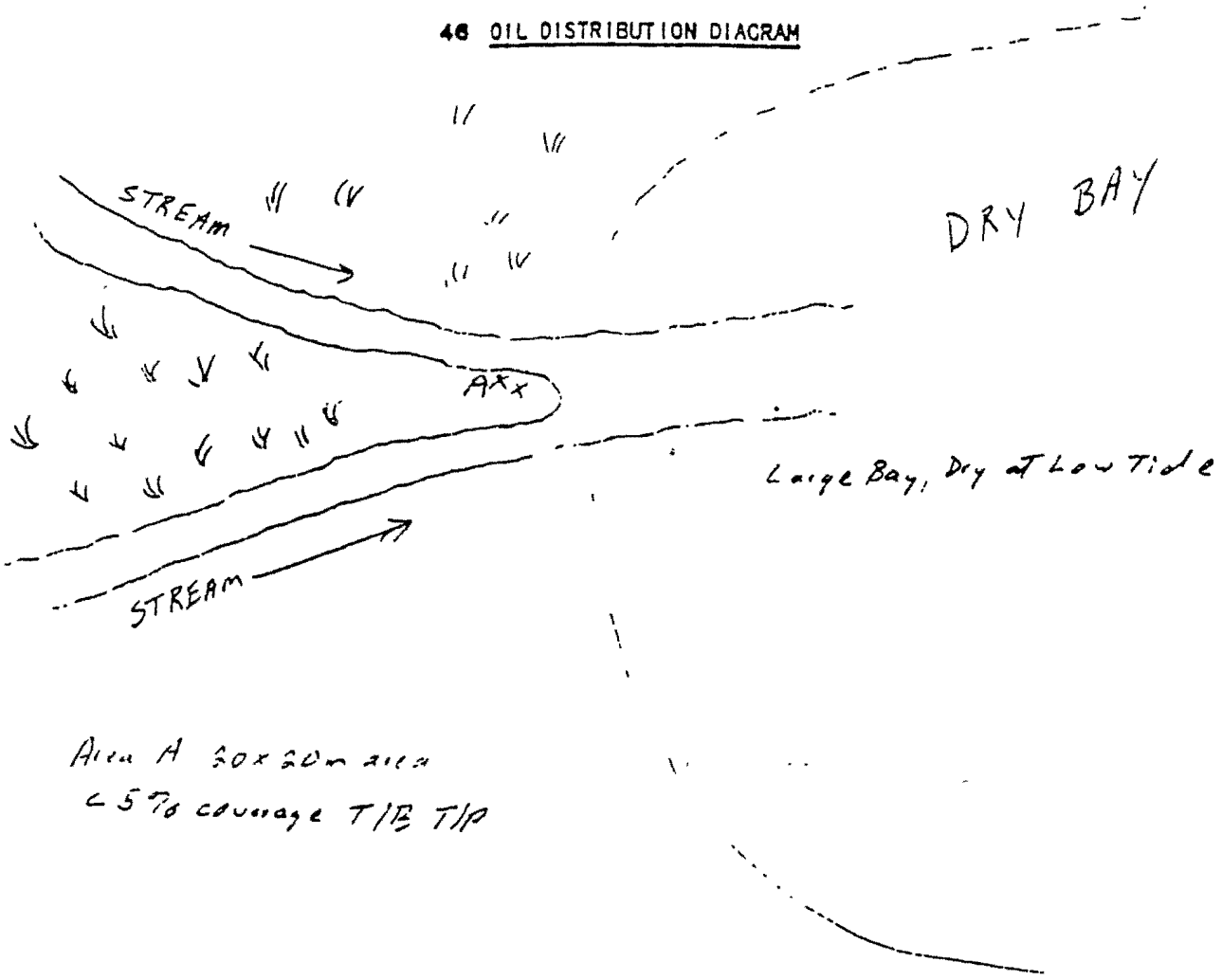
Oil Character Length (m): AP_____ PO_____ CV_____ CT_____ ST_____ MS_____ PT_____ TB_____ FL_____ NO_____

REVISION: 03/24/88

4/35

FRAME(S)	DESCRIPTION

46 OIL DISTRIBUTION DIAGRAM



Sample taken
= Photo frame # and
shot direction.

ACE 7334717

ANADROMOUS FISH STREAM EVALUATION

SEGMENT ST/K10-09-DB-08 STREAM NO: 262-75-10020 DATE 5/2/90

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)
See attached Ecological Constraint sheet for specific constraints and contacts.

SUBDIVISION ECOLOGICAL CONSTRAINTS:

Avoid any unnecessary disturbance of damage to unoiled biota and substrate.

ARCHAEOLOGICAL CONSTRAINTS:

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

SHPO SIGNATURE: Rachel Jean Orr DATE: 5/22/90

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: 5/18/90.
ADEC Art Weiner Art Weiner
EXXON Hunt Ga Beal
NOAA Gary Petrie Gary Petrie
USCG G.A. REITER G.A. Reiter

FOSC: [signature] DATE: MAY 27 1990

ACE 7334718 +S

ST/ DB 9.0/8

STREAM 262-75-1-1020

DATE 2 / MAR 90

CHECKLIST

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

LEGEND

1 △

Pit - No Subsurface Oil

2 ▲

Pit - Subsurface Oil

CT/C

Continuous Distribution

CT/B

Broken Distribution

CT/P

Patchy Distribution

CT/S

Splashed Distribution

Oiled Vegetation

1 ●→

Photo location, direction, and number

ACE 7334719

SKETCH MAP

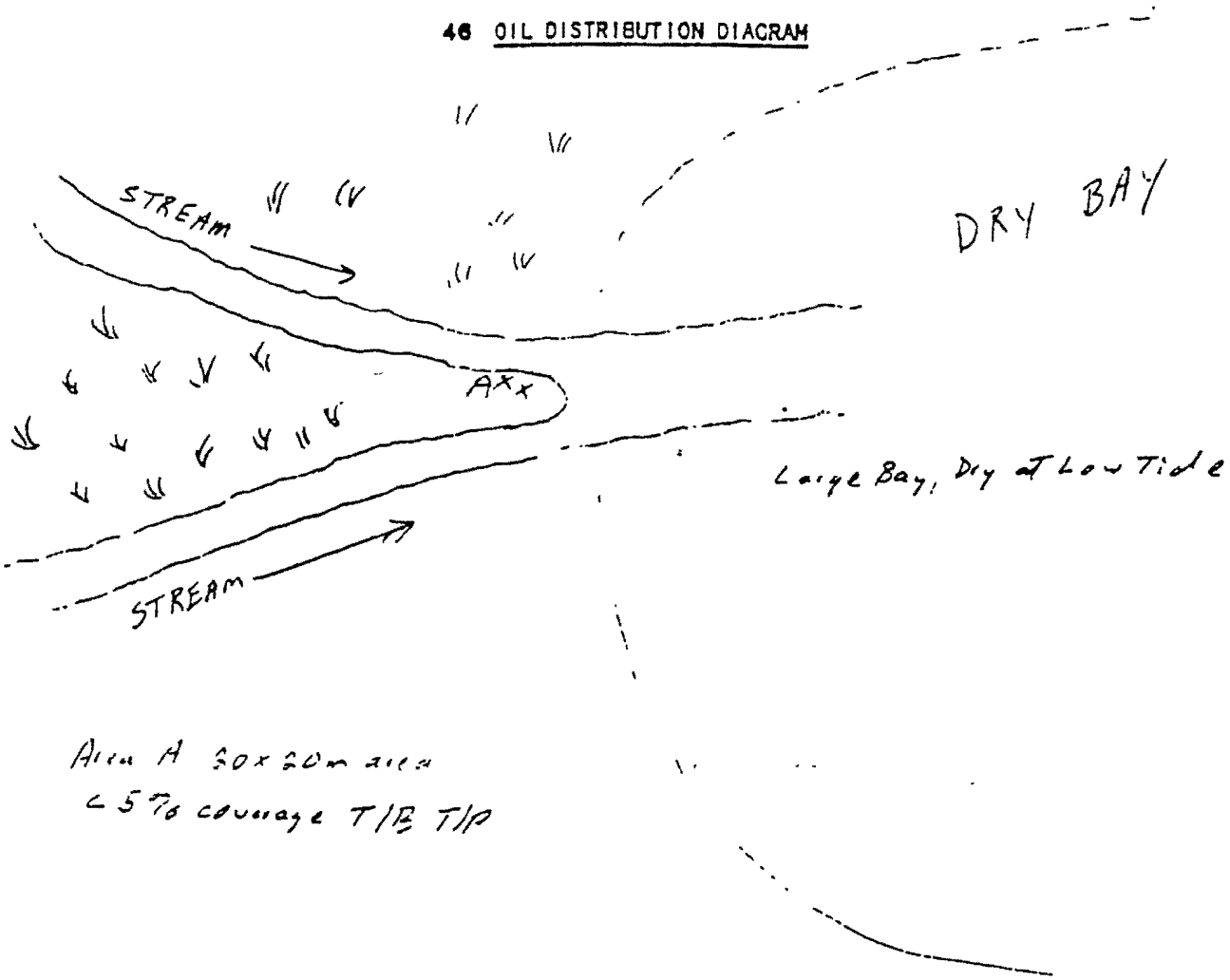
Oil Character Length (m): AP_____ PO_____ CV_____ CT_____ ST_____ MS_____ PT_____ TB_____ FL_____ NO_____

REVISION:02/24/90

4/33

FRAME(S)	DESCRIPTION

46 OIL DISTRIBUTION DIAGRAM



Area A 50x20m area
<5% coverage T/B T/P

Sample taken
Photo frame # and
shot direction.

ACE 7334720 B/FF

(version 5/02/89)

SHORELINE CLEANUP PROGRAM

DATE_____ SHORELINE SEGMENT DB-8

LOCATION: (see enclosed map) North end, head of Dry Bay

ADEC NO._____ SHORELINE ASSESSMENT DATE: 6/1/89

Recommended Cleanup Activity(ies):

No clean-up appears to be necessary

Priorities Considerations: None.

Ecological Constraints (from site survey): None, since no cleanup is recommended. Only very minor, spotty oiling in grass does not warrant a clean-up effort in this sensitive marsh segment.

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

_____ Date:_____
State Historic Preservation Officer *

EXXON:_____ Date:_____

FOSC:_____ Date:_____

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

ACE 7334729 PS

(version 5/16/89)

SHORELINE OIL EVALUATION FORM - KODIAK

Date: JUNE 1/89 / Time: 15:30 Observer: D. HOWES

Surveyed From: (Foot)/Boat/Helio/Plane Weather: Sun/(Cloud)/Rain/Snow/Fog

LOCATION
LOCATION DRY BAY - NORTHEND - HEAD OF BAY SEGMENT I.D. DB - 8

LENGTH OF SHORELINE SEGMENT: 1500 m

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

SHORELINE:
Shoreline Type: SPT/(BEA)/COV/HLD/STRT Slope: (LANG)/HANG/VER (really an delta/estuary)

Wave Exposure: High/Med/(Low)

Sediment: B___% / C___% / P 60% / G___% / S 40% / M___% /R___%

Drift Debris on Beach: (Yes)/No (Supra)/Upper/Mid/Lower Type logs

OIL
Degree of Oiling: Heavy/Moderate/Light/No Oil/Unobserved/(VERY LIGHT)

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

OIL DISTRIBUTION
Continuous: Y/N Segment %_____ No. Bands ____ Width_____

Sporadic: (Y)/N Segment % 30 (% length affected) Min/Max Dia_____ Impact Width_____

Est. Oil Thickness where > 1cm:_____cm SU / SP / UP / MID / LO

Est. Oil Penetration: _____cm SU / SP / UP / MID / LO

Layers? Yes/No No# Layers_____ Oil Weathering_____

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

OIL MORPHOLOGY
Pooled Oil _____% "Free" Oil 100 % Spattered_____ % H/M/L/VL Chocolate_____ %

OIL WEATHERING (OW)
Fresh Oil_____% SU/SP/VP/MID/LO Choc Mousse_____% SU/SP/VP/MID/LO

Pancake Mousse 100 % SU/SP/VP/MID/LO Asphalt Mousse _____% SU/SP/VP/MID/LO

Tar Formation_____%

Comments:

OIL IMPACT VERY, VERY LIGHT - 3 SMALL PATCHES IN THE GRASS (SEE SKETCH)
ONE TAR BAR - 25 cm diameter - OBSERVED IN SANDY GRAVEL AREA (SEE SKETCH)
NO CLEAN-UP APPEARS TO BE NECESSARY - APPROXIMATELY 80% OF UNIT COVERED ON GROUND

ACE 7334730

DOCUMENTATION:

(Map) Aerial photo marking segment boundaries _____

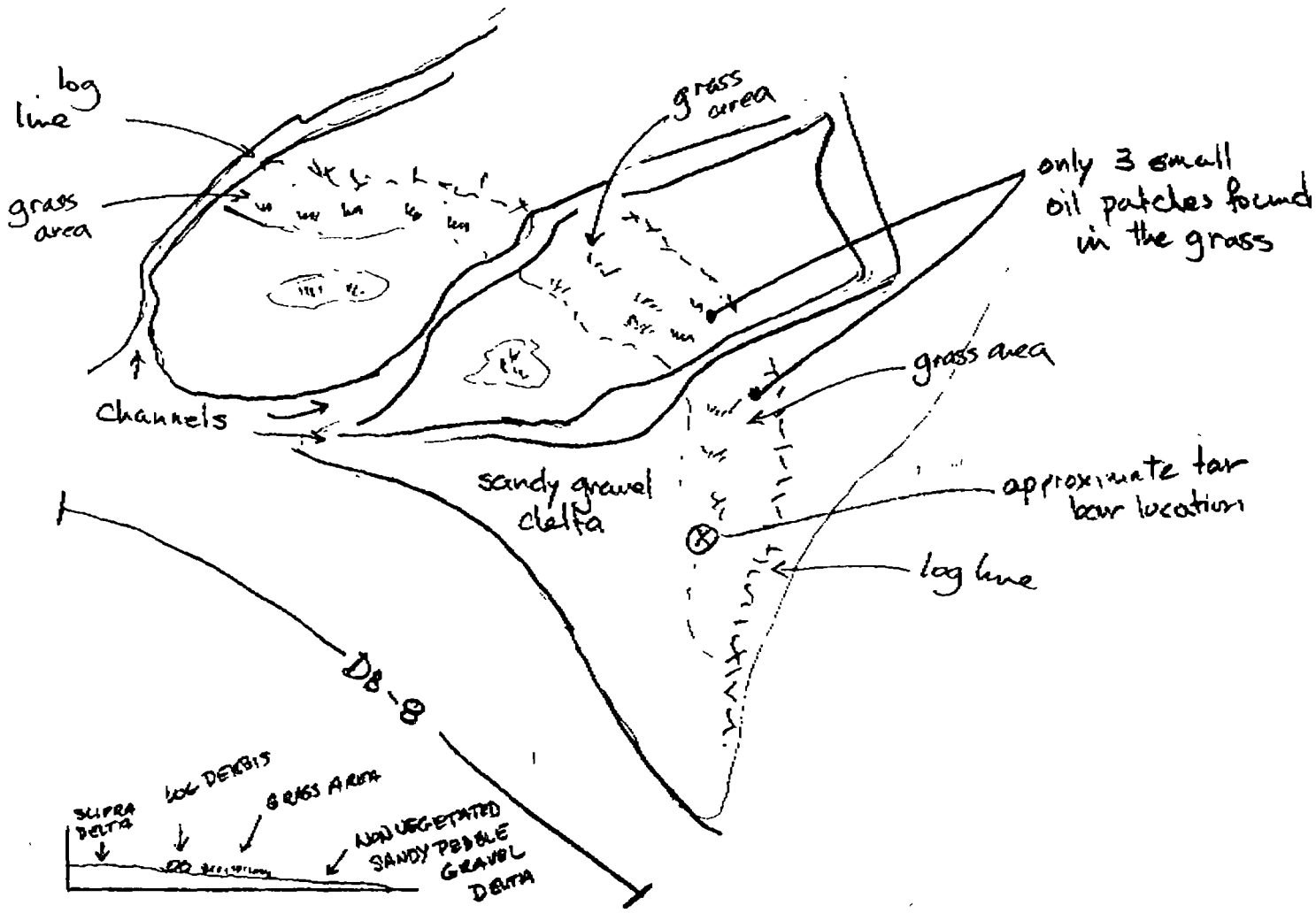
VTR: (Y)/N Tape Number(s) KODIAK 01

Photography: (Y)/N Roll Number(s) DMC-11

Sample Numbers Collected: N/A

ACE 7334731

SITE DB-8



ESTIMATED CROSS-SECTION OF UNIT

ACE 7334732

version: 4/24/89

ECOLOGICAL EVALUATION

LOCATION: North End, Head of Dry Bay SITE: _____ OBSERVER: D. McCormick

LOCATION PREFIX: DB SEG. NO.: 8 LENGTH: 1500 (M)

DATE: 6/1/89 TIME (HHMM): 1530 TIDE HT.: +2.0 (M)

OILED ZONE: Splash High Medium Low

SUBSTRATUM: Rocks Boulder Cobble Gravel Sand Mud

LIVE BIOTA

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

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

Broken shells only.

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

Shells only.

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

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

OTHER OBSERVATIONS: dead oiled birds = 2; bear tracks, possibly fox tracks; bivalve shells along low-mid IT2 - no signs of extensive clam beds; some very minor patches of mousse in grass. Sheen seen in one stream along 5-m segment. Ck. 25-cm tar balls. few (salmon?) smolt in stream

CLEANUP PRECAUTIONS: No cleanup is recommended.

MAMMALS: Otters ____ Harbor Seals ____ Sea Lions ____ Whales ____
Other bear sign, fox sign

BIRDS: waterfowl flying overhead.

GENERAL OBSERVATIONS: This is an estuary-type segment with several fw. streams feeding into bay; Marshy area which should be left undisturbed. Very minor oiling in mousse in 2 or 3 patches of dune grass and a sheen on one 5-m stretch of one stream does not warrant a clean-up effort.

ACE 7334733

(version of 4/29/89)

CULTURAL RESOURCE EVALUATION

Date 6-1-89 Location Day Bay Site North shore

Location Prefix DB Segment # 8 Length 1100 m

Survey Method:

Air _____ (A - indicate on map) Boat _____ (A - indicate on map)

Ground ✓ (G - indicate on map)

Known cultural resources (AHRS #) None Data Source _____

Oil conditions/beach visibility very light to none

Width of beach zone surveyed 5 m Tree fringe surveyed 5 - 50 m

Cultural resources observed in beach zone (AHRS code) None

Cultural resources observed in tree fringe (AHRS code) None

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

Shore Profile tidal estuary and an alluvial fan above sand & cobble bea

Fresh Water Sources two large streams

Sea Exposure Protected at the head of the Bay

Access/Safety Accessible by helicopter

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

Monitoring during cleanup needed yes/(no) Collection yes/(no)

Photos: Color Roll # DMC-11 Frames _____

B/W Roll # _____ Frames _____

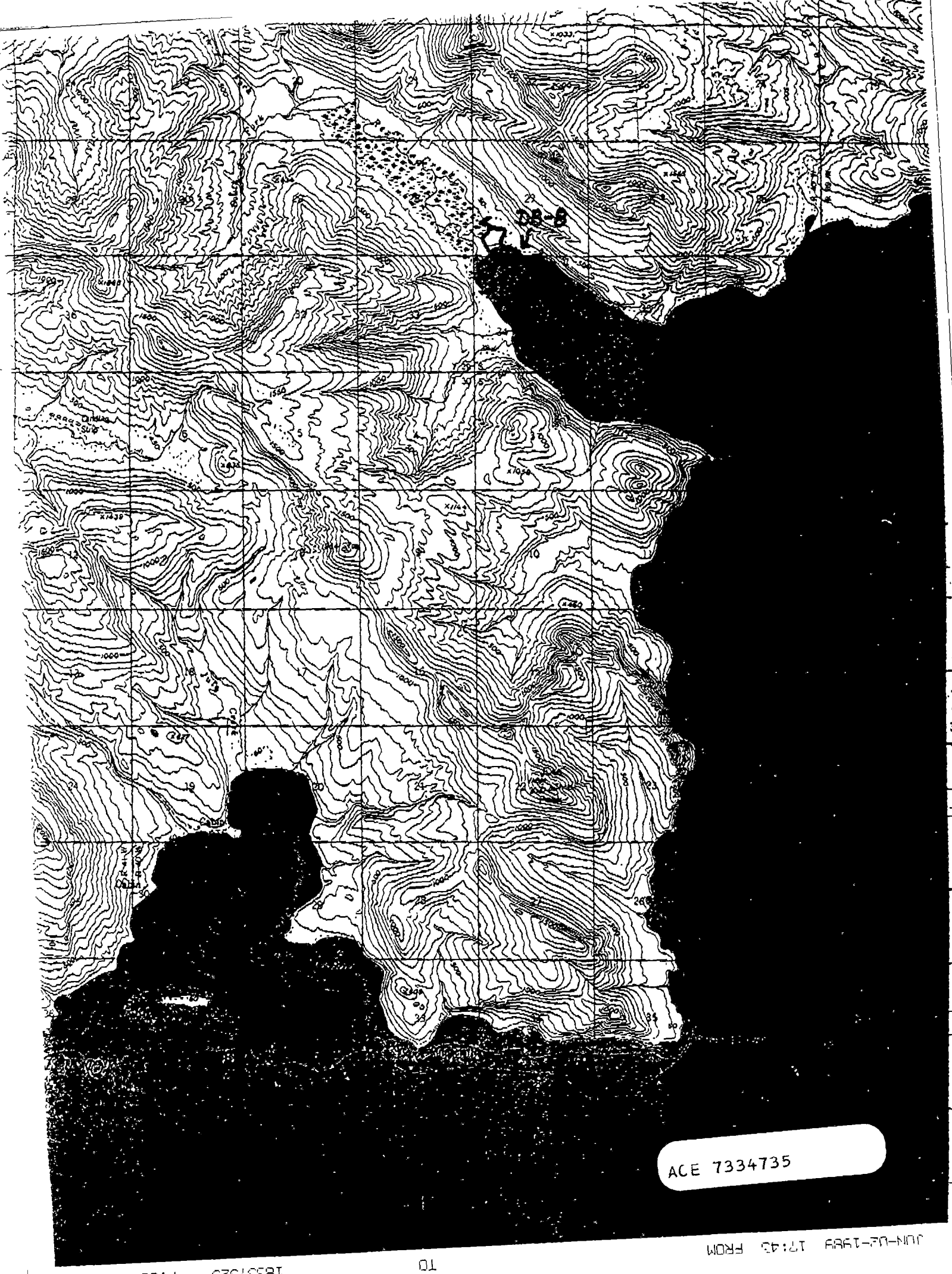
Observer(s) Mike Yarborough

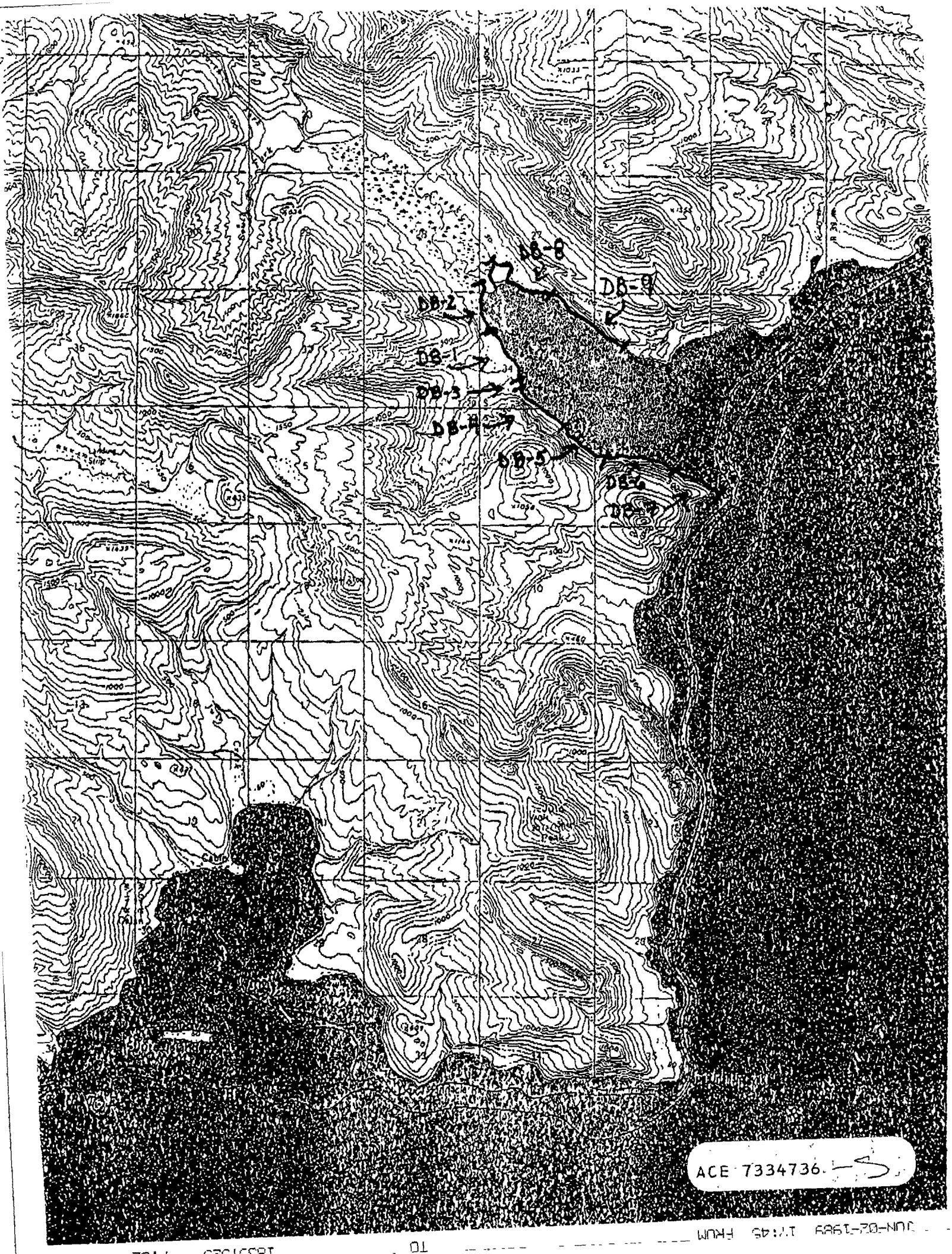
Time survey started 3:35 pm Time survey ended 4:00 pm

Cultural resource considerations/restraints:

None. No cleanup recommended

ACE 7334734


DB-8
ACE 7334735



ACE 7334736