

GR007 A ASC: NONE
GREEN ISLAND, NORTH SIDE

ACE 7354089 ~~HEFT~~

- Prince William Sound -
DOCUMENTS IN STREAM FILES

ASC# _____ Segment # _____

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

____ '90 Pre-Anadscat Survey, multi-assessment form
____ '90 Anadscat Survey
____ '90 Anadromous Fish Stream Evaluation (work order)
____ '90 Anadromous Fish Stream Addendum to work order
____ '90 Shoreline Evaluation, SAT and work order for segment
____ '90 Anadromous Fish Stream Authorization, Title 16 permit
____ '90 Stream Treatment Report
____ '90 ADEC Demobilization Report for Bio
____ '90 ADF&G Oiling Condition Survey, for ASAP use (Aug. 2000)
____ '90 ASAP Survey ____ ASAP Rec. ____ ADEC Rec. (7-7)
____ '90 Other Documents _____



11/3
AUTOSCAT-90

ADF&G MULTI-ASSESSMENT DATA FORM

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

2 REGION: PWS KP,CI K,AP

METHOD: Aerial Ground Boat

3 DATE: 4-23-90

15 HIGH TIDE TIMES: 1

21 TEAM RECORDER: Aimee Weseman

4 START TIME: 1640

16 HIGH TIDE HTS: 1

22 OBSERVERS: Rick Gustin

5 STOP TIME: 1700

17 LOW TIDE TIMES: 1

23 AGENCY: Aimee Weseman

6 SEGMENT #: GR007

18 LOW TIDE HTS: 1

24 PHOTOS TAKEN: Y N

7 STATION #: _____

19 TIDE HT AT SURVEY: _____

Roll #: _____ Frame: _____

8 K-UNIT: _____

Ebb Slack Flood Slack

25 VIDEO TAKEN: Y N TAPE#: _____

9 STAT AREA: _____

20 USCG QUAD: S B 2

Start: _____ End: _____

10 LAT: _____

11 LONG: _____

26 SAMPLES TAKEN? Y N Number

12 SOURCE: Map Loran

Oil _____

13 LOCATION: North side Green Island

Sediment _____

14 DESCRIPTION: _____

Biological (227 UNCATED)

Water _____

EXTENT OF OIL

	SHORELINE				STREAM			
	L	W	M ²	%	L	W	M ²	%
27 SURFACE COVERAGE	2m	1m						
28 SURFACE THICKNESS	1cm	2cm						
29 PENETRATION	no							

36 CATALOGED ANAD. FISH SREAM? Y N

37 CATALOG #: uncatalogued

38 STREAM NAME: _____

39 OIL IN STREAM BED? Y N

40 OIL ON STREAM BANKS? Y N

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

42 OIL WITHIN 1 MILE OF STREAM? Y N

Where: _____

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

43 ANADROMOUS FISH PRESENT? Y N

34 WAVE EXPOSURE: High Moderate Low

44 ANADROMOUS FISH OBSERVATION
Species Aerial Ground

35 SUBSTRATE TYPE: Bedrock _____ Boulder _____ Cobble 40
Gravel 50 Sand 7 Mud/silt 3

Species	Aerial	Ground

COMMENTS: scattered tar patties 1-2cm deep on lssfrs approx 2 square meters in size in LITZ

GR007 12/31
uncatalogued

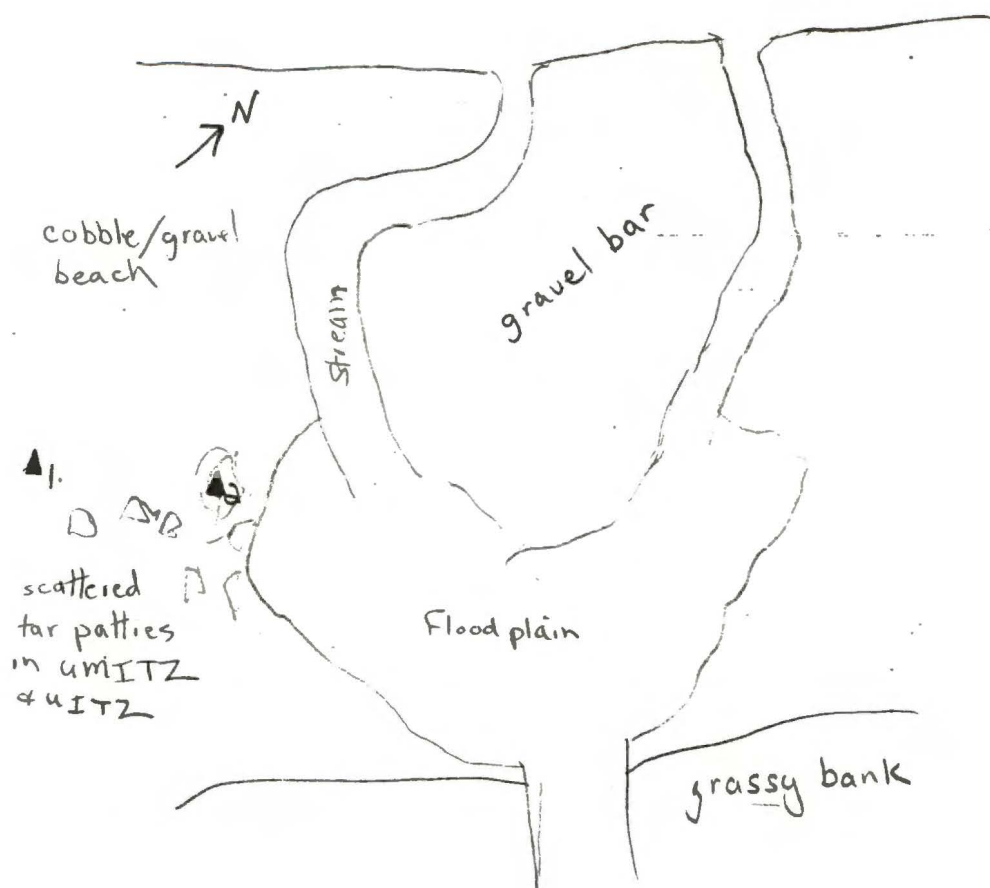
45 PHOTOLOG

FRAME(S)

DESCRIPTION

pit 1 14cm dp 1cm oil pit 2 10cm ^{deep} 2cm oil on top

46 OIL DISTRIBUTION DIAGRAM



Recommendations

Manual removal of tar patties on LSFD - southside

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

ASC NUMBER:
 SURVEY TYPE:
 METHOD:
 DATE: / /
 START TIME:
 STOP TIME:

TEAM RECORDER:
 OBSERVERS:

AGENCY(IES):

WAVE EXPOS:

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

SAMPLES TAKEN?

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

	LENGTH	WIDTH	M2	%	^{cm} THICK	PEN	OIL TYPE
SITE 1	2 m	1.6 m			2		AP
SITE 2							
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT:

OIL IN STREAM CHANNEL?

SUBSTRATE

Bedrock	Granule
Boulder	Sand
Cobble	Silt
Pebble	Veget.

OIL ON BEACH WITHIN 50M OF STREAM MOUTH?

SPECIES					
COUNT					

COMMENTS:

2. see comment. h 5/23/91

Re NADSCAT-AJW
90

ADF&G MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: BS SS DS TS AVS SCHA MMHS PTA2 REGION: PWS KP, CI K, APMETHOD: Aerial Ground Boat3 DATE: 4/11/9015 HIGH TIDE TIMES: 1

21 TEAM RECORDER: _____

4 START TIME: 081516 HIGH TIDE HTS: 122 OBSERVERS: TOM CRAWL5 STOP TIME: 084517 LOW TIDE TIMES: 123 AGENCY: ADF+G6 SEGMENT #: GR00718 LOW TIDE HTS: 124 PHOTOS TAKEN: Y N

7 STATION #: _____

19 TIDE HT AT SURVEY: _____

Roll #: _____ Frame: _____

8 K-UNIT: _____

Ebb Slack Flood Slack

25 VIDEO TAKEN: Y N TAPE#: _____

9 STAT AREA: _____

20 USCG QUAD: SEWARD B-2

Start: _____ End: _____

10 LAT: _____

11 LONG: _____

26 SAMPLES TAKEN? Y N Number _____

12 SOURCE: Map Loran

13 LOCATION: GREEN ISLAND

14 DESCRIPTION: _____

EXTENT OF OIL

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

30 OVERALL OIL IMPACT: N VL L H H31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain32 OILED DEBRIS? Y N33 SHORELINE TYPE: Headland Low-lying Rocks Beach Cove
Lagoon Marsh34 WAVE EXPOSURE: High Moderate Low35 SUBSTRATE TYPE: Bedrock _____ Boulder _____ Cobble XGravel X Sand _____ Mud/silt _____36 CATALOGED ANAD. FISH STREAM? Y N37 CATALOG #: NONE38 STREAM NAME: NONE39 OIL IN STREAM BED? Y N40 OIL ON STREAM BANKS? Y N41 OIL ON BEACH ADJACENT TO MOUTH? Y N
(within 50 meters)42 OIL WITHIN 1 MILE OF STREAM? Y NWhere: SEE MAP

43 ANADROMOUS FISH PRESENT? Y N

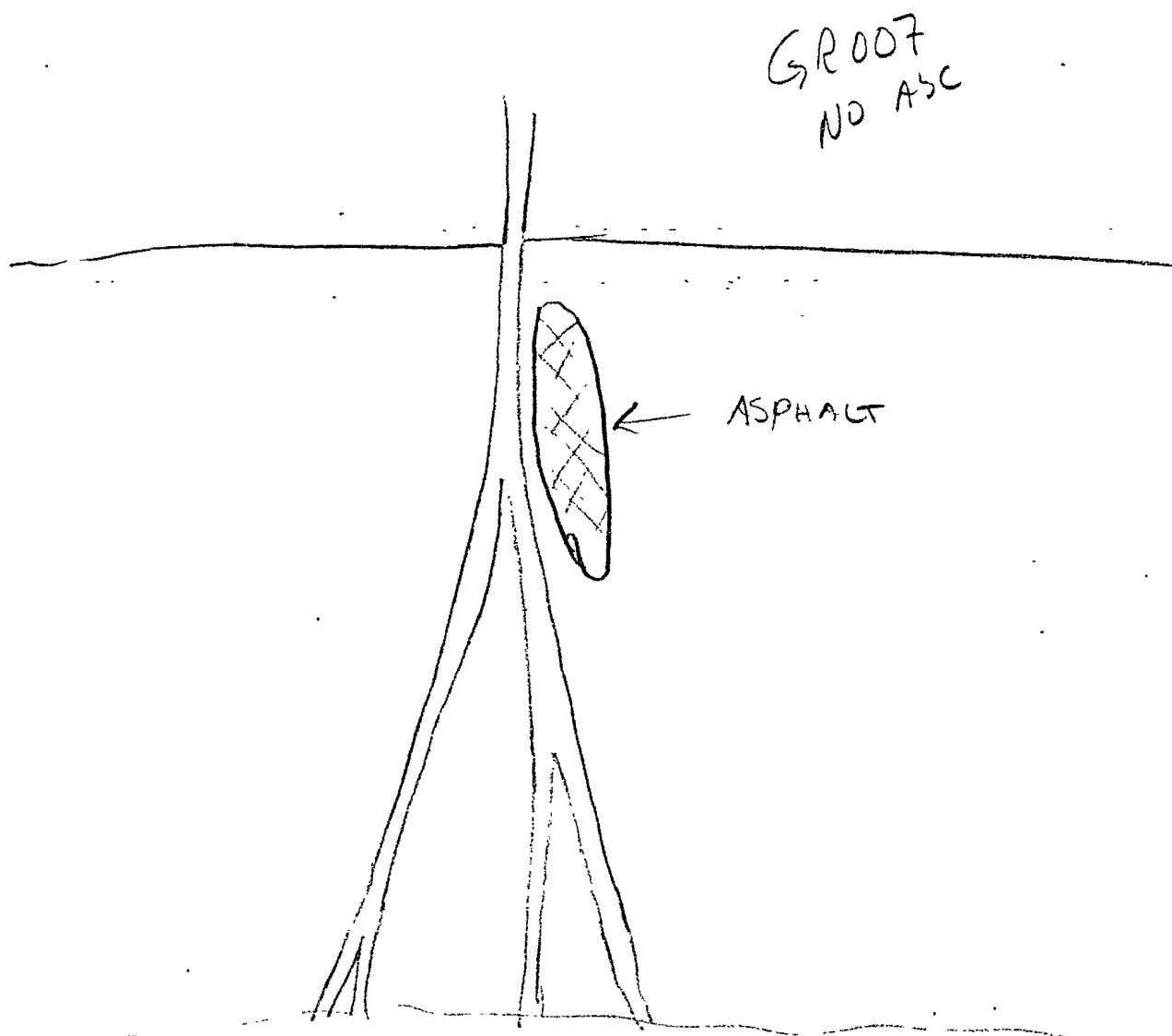
44 ANADROMOUS FISH OBSERVATION

Species Aerial Ground

COMMENTS: LARGE PATCH OF TARED GRAVEL LEFT SIDE OFCREEK FACING DOWNSTREAM. RECOMMEND SHOVEL REMOVAL.POSSIBLE ANADROMOUS STREAM AND SHOULD BE OBSERVED
DURING PERIOD OF SPAWNING TIMES.

FRAME(S)

DESCRIPTION

46 OIL DISTRIBUTION DIAGRAM

Sample taken
Photo frame # and
shot direction.

4/11/90

ACE 7354162
-12/51AC/HF

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

ASC NUMBER:
 SURVEY TYPE:
 METHOD:
 DATE: / /
 START TIME:
 STOP TIME:

TEAM RECORDER:
 OBSERVERS:

AGENCY(IES):

PHOTOS TAKEN?

Roll #:

Frames:

VIDEO TAKEN?

Tape Number:

Counter Start:

SAMPLES TAKEN?

SAMPLE I.D. NUMBERS: 1.
 4.

2.
 5. 3.
 6.

	LENGTH	WIDTH	M2	%	THICK	PEN	OIL TYPE
SITE 1	10	2			2cm		LAP/
SITE 2							
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT:

OIL IN STREAM CHANNEL?

OIL ON BEACH WITHIN 50M OF STREAM MOUTH?

SUBSTRATE	
Bedrock	Granule
Boulder	Sand
Cobble	Silt
Pebble	Veget.

SPECIES					
COUNT					

COMMENTS:



UNCLASSIFIED

Re NADSCAT-AJW-90

ADF&G MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: BS SS DS TS AVS SCHA MMS PTA2 REGION: PWS KP,CI K,APMETHOD: Aerial Ground Boat3 DATE: 4/11/9015 HIGH TIDE TIMES: 1

21 TEAM RECORDER: _____

4 START TIME: 081516 HIGH TIDE HTS: 122 OBSERVERS: TOM CROWL5 STOP TIME: 084517 LOW TIDE TIMES: 123 AGENCY: ADF+G6 SEGMENT #: GR00718 LOW TIDE HTS: 124 PHOTOS TAKEN: Y (N)

7 STATION #: _____

19 TIDE HT AT SURVEY: _____

Roll #: _____ Frame: _____

8 K-UNIT: _____

Ebb Slack Flood Slack

25 VIDEO TAKEN: Y N TAPES: _____

9 STAT AREA: _____

20 USCG QUAD: SEWARD B-2

Start: _____ End: _____

10 LAT: _____

11 LONG: _____

26 SAMPLES TAKEN? Y N Number _____

12 SOURCE: Map Loran

13 LOCATION: GREEN ISLAND

14 DESCRIPTION: _____

Oil _____

Sediment _____

Biological _____

Water _____

EXTENT OF OIL

27 SURFACE COVERAGE

28 SURFACE THICKNESS

29 PENETRATION

30 OVERALL OIL IMPACT: N VL L M H31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain32 OILED DEBRIS? Y (N)33 SHORELINE TYPE: Headland Low-lying Rocks Beach Cove
Lagoon Marsh34 WAVE EXPOSURE: High Moderate Low35 SUBSTRATE TYPE: Bedrock _____ Boulder _____ Cobble X
Gravel X Sand _____ Mud/silt _____36 CATALOGED ANAD. FISH STREAM? Y (N)37 CATALOG #: NONE38 STREAM NAME: NONE39 OIL IN STREAM BED? Y (N)40 OIL ON STREAM BANKS? (Y) N41 OIL ON BEACH ADJACENT TO MOUTH? Y N
(within 50 meters)42 OIL WITHIN 1 MILE OF STREAM? (Y) NWhere: SCE MAP

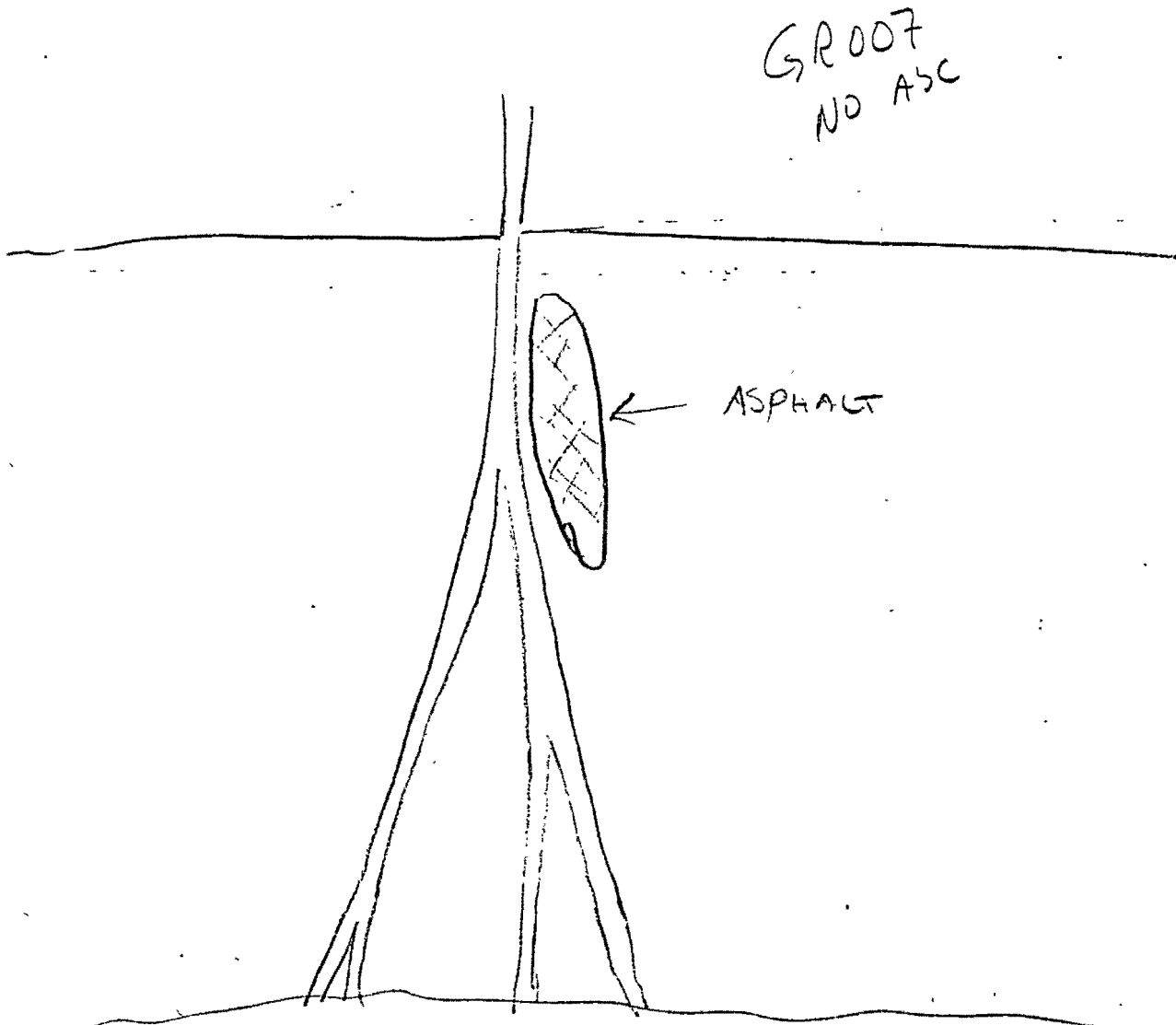
43 ANADROMOUS FISH PRESENT? Y N

44 ANADROMOUS FISH OBSERVATION
Species Aerial Ground

COMMENTS: LARGE PATCH OF TARED GRAVEL LEFT SIDE OF
CREEK FACING DOWNSTREAM. RECOMMEND SHOVEL REMOVAL.
POSSIBLE ANADROMOUS STREAM AND SHOULD BE OBSERVED
DURING PEAK OF SPawning TIMES.

FRAME(S)

DESCRIPTION

46 OIL DISTRIBUTION DIAGRAM

Sample taken
Photo frame # and
shot direction.

4/11/90

ACE 7354162
-12751AC/HF

NUMBER: SEGMENT NUMBER: 6R007 YR CATALOGED:
 LOCATION:
 STREAM NAME: LATITUDE:
 KODIAK K-UNIT: LOCAL STREAM #: LONGITUDE:
 USGS QUADRANGLE: LEGAL:
 SHORELINE TYPE: ALL SEGMENTS:
 WAVE EXPOSURE:

ASC NUMBER: *Uncat* TEAM RECORDER:
 SURVEY TYPE: OBSERVERS:
 METHOD:
 DATE: *4/11/90* AGENCY(IES):
 START TIME: PHOTOS TAKEN?
 STOP TIME: Roll #: Frames:
 VIDEO TAKEN? Tape Number:
 Counter Start:

SAMPLES TAKEN?

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

	LENGTH m	WIDTH m	M2	%	THICK cm	PEN cm	OIL TYPE
SITE 1							<i>AP</i>
SITE 2							
SITE 3							
SITE 4							
SITE 5							

OVERALL OIL IMPACT:

OIL IN STREAM CHANNEL?

SUBSTRATE

Bedrock Granule
 Boulder Sand
 Cobble Silt
 Pebble Veget.

OIL ON BEACH WITHIN 50M OF STREAM MOUTH?

SPECIES					
COUNT					

COMMENTS:

Oil on stream banks
Oil within 1 mile of stream



229 UNCAT 01

ANADSCAT - 90

11/13

ADF&G MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: BS ☒ SS ☐ CS ☐ TS ☐ AVS ☐ SCH ☐ MMS ☐ PTA

2 REGION: ☒ PWS ☐ KP, CI ☐ K, AP

METHOD: Aerial ☐ Ground ☒ Boat ☐

3 DATE: 4-23-90

15 HIGH TIDE TIMES: 1

21 TEAM RECORDER: Aimee Weseman

4 START TIME: 1640

16 HIGH TIDE HTS: 1

22 OBSERVERS: Rick Gustin

5 STOP TIME: 1700

17 LOW TIDE TIMES: 1

23 AGENCY: Aimee Weseman

6 SEGMENT #: GR007

18 LOW TIDE HTS: 1

24 PHOTOS TAKEN: Y ☒ N ☐

7 STATION #:

19 TIDE HT AT SURVEY:

Roll #: Frame:

8 K-UNIT:

Ebb Slack Flood Slack

25 VIDEO TAKEN: Y ☒ N ☐ TAPES:

9 STAT AREA:

20 USCG QUAD: SB2

Start: End:

10 LAT:

11 LONG:

26 SAMPLES TAKEN? Y ☒ N ☐ Number

12 SOURCE: ☒ Map ☐ Loran

OIL

13 LOCATION: North side Green Island

Sediment

14 DESCRIPTION:

Biological

Water

EXTENT OF OIL

27 SURFACE COVERAGE

SHORELINE				STREAM			
L	W	M ²	%	L	W	M ²	%
2m	1m						

36 CATALOGED ANAD. FISH SKEIN? Y ☒ N ☐

37 CATALOG #: uncatalogued

38 STREAM NAME:

28 SURFACE THICKNESS

1cm	2cm				
-----	-----	--	--	--	--

39 OIL IN STREAM BED? Y ☒ N ☐

29 PENETRATION

no					
----	--	--	--	--	--

40 OIL ON STREAM BANKS? Y ☒ N ☐

30 OVERALL OIL IMPACT: N VL ☒ L ☐ M ☐ H

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

31 OIL TYPE: Pooled Mousse ☒ Tar ☐ Asphalt ☐ Sticky ☐ Stain

42 OIL WITHIN 1 MILE OF STREAM? Y ☒ N ☐

32 OILED DEBRIS? Y ☒ N ☐

Where:

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

43 ANADROMOUS FISH PRESENT? Y ☒ N ☐

34 WAVE EXPOSURE: High Moderate ☒ Low ☐

44 ANADROMOUS FISH OBSERVATION
Species Aerial Ground

35 SUBSTRATE TYPE: Bedrock 40 Boulder 50 Cobble 7
Gravel 3 Sand 3 Mud/silt 3

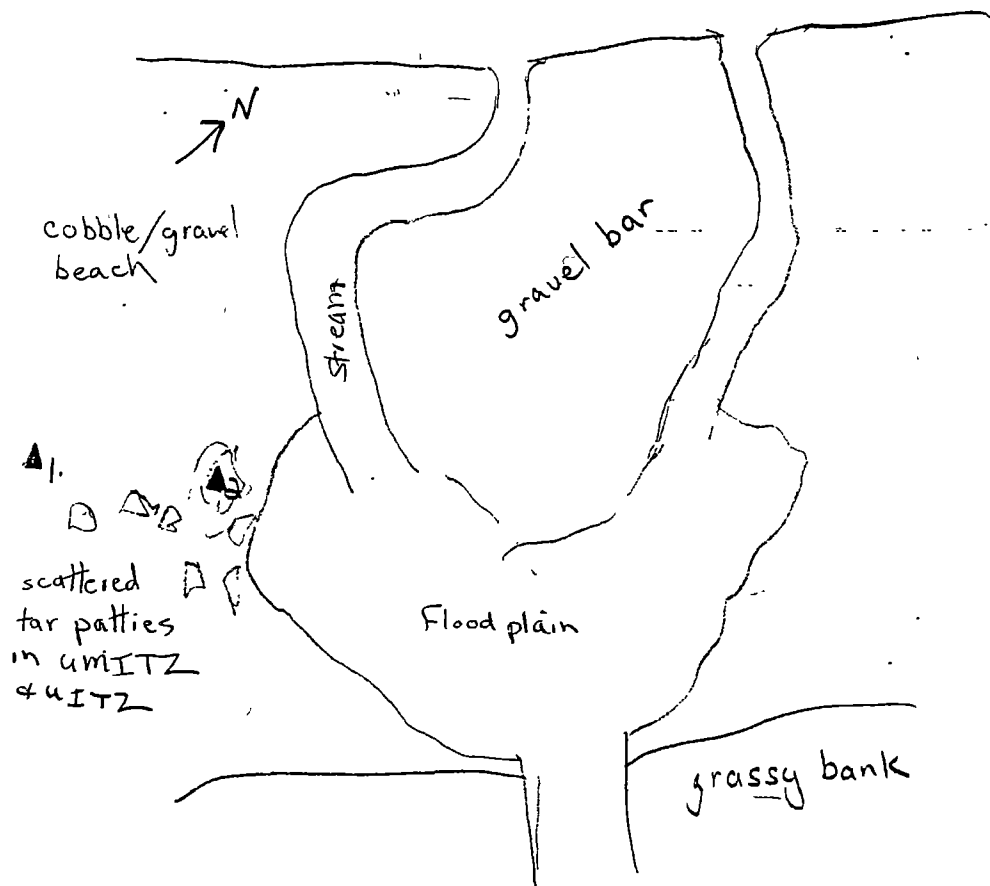
COMMENTS: scattered tar patties 1-2cm deep on lssers approx 2 square meters in size in LTT2

GR007 18/3
uncatalogued

45 PHOTOLOG

NAME(S)	DESCRIPTION
	pit 1 14cm dp 1cm oil pit 2 10cm 2cm oil entaf

46 OIL DISTRIBUTION DIAGRAM



Recommendations
Manual removal of tar patties on LSPD - southside

ASC NUMBER: SEGMENT NUMBER: 6R07 YR CATALOGED:
 LOCATION: LATITUDE:
 STREAM NAME: LONGITUDE:
 KODIAK K-UNIT: . LOCAL STREAM #:
 USGS QUADRANGLE: LEGAL:
 SHORELINE TYPE: ALL SEGMENTS:
 WAVE EXPOSURE:

ASC NUMBER: Uncatalogued
 SURVEY TYPE:
 METHOD:
 DATE: 4/23/90
 START TIME:
 STOP TIME:

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

SAMPLES TAKEN?

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

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

OVERALL OIL IMPACT:

OIL IN STREAM CHANNEL?

SUBSTRATE

Bedrock Granule
 Boulder Sand
 Cobble Silt
 Pebble Veget.

OIL ON BEACH WITHIN 50M OF STREAM MOUTH?

SPECIES					
COUNT					

COMMENTS:

Oil on stream banks
 Oil within 1 mile of stream

Recommendations - Manual removal of tar patches
 on **USFD** - southside



ANADROMOUS FISH STREAMS/OILING CONDITION

Segment # GR-07 ASC# ^{PWS} 227 uncataloged Location N. Green I

Date 8/12/90 Recorder/Observer Aimee Weseman

Oil in streambed none sighted Oil on streambanks

Oil within 50m of mouth yes Anadromous Fish present yes

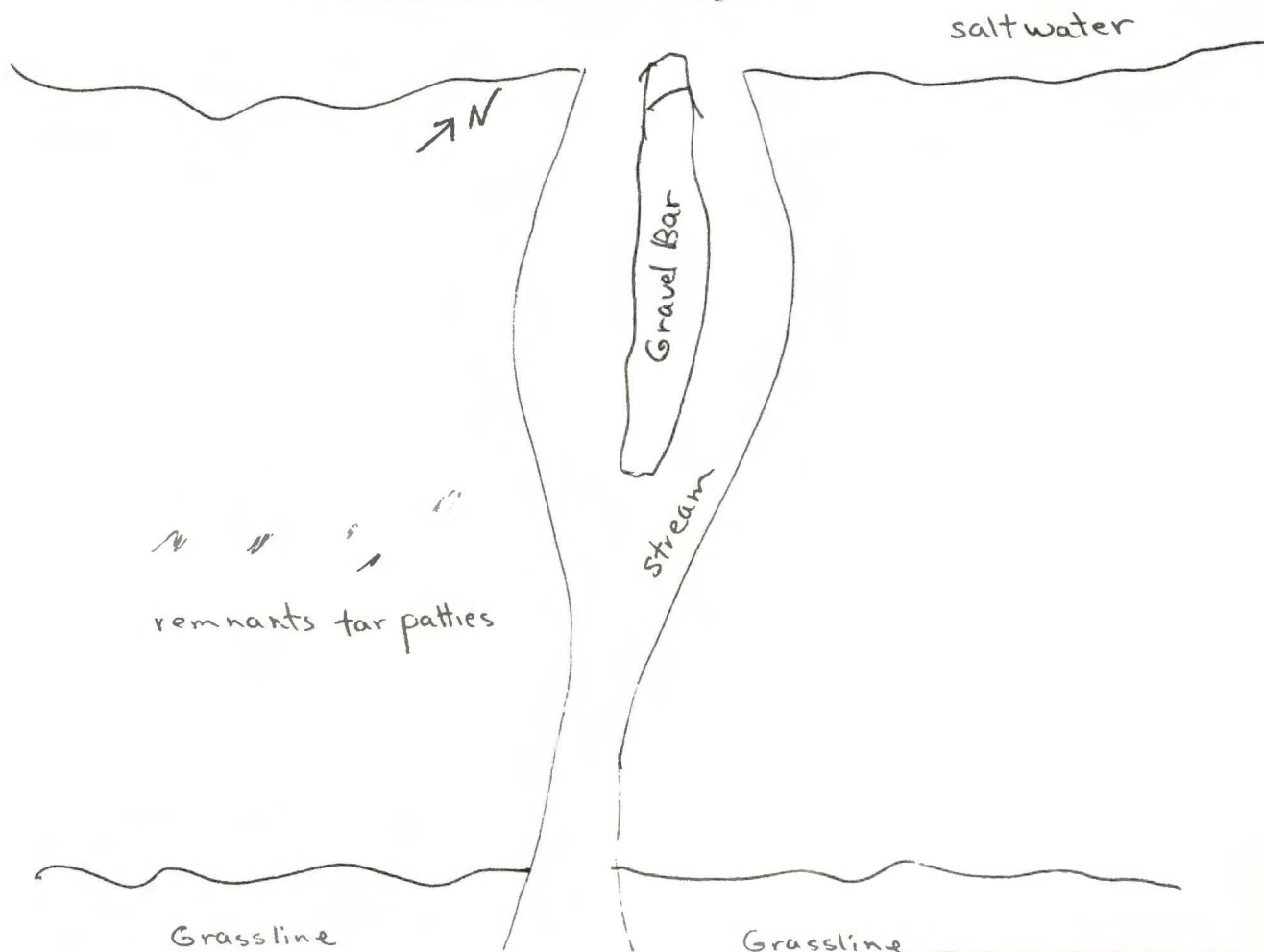
50 pinks in Intertidal portion, a school off the mouth

Scarcusses on stream banks
Description of oil and comments

remnants of tar patties on left side of stream, facing
down stream.

Rec- Re-assess in the spring

Oil Distribution Diagram



ANADROMOUS FISH STREAMS/OILING CONDITION
PWS

Segment # GR-07 ASC# uncatalogued Location N. Green I

Date 8/12/90 Recorder/Observer Aimee Weseman

Oil in streambed none Oil on streambanks _____
 sighted

Oil within 50m of mouth yes Anadromous Fish present yes

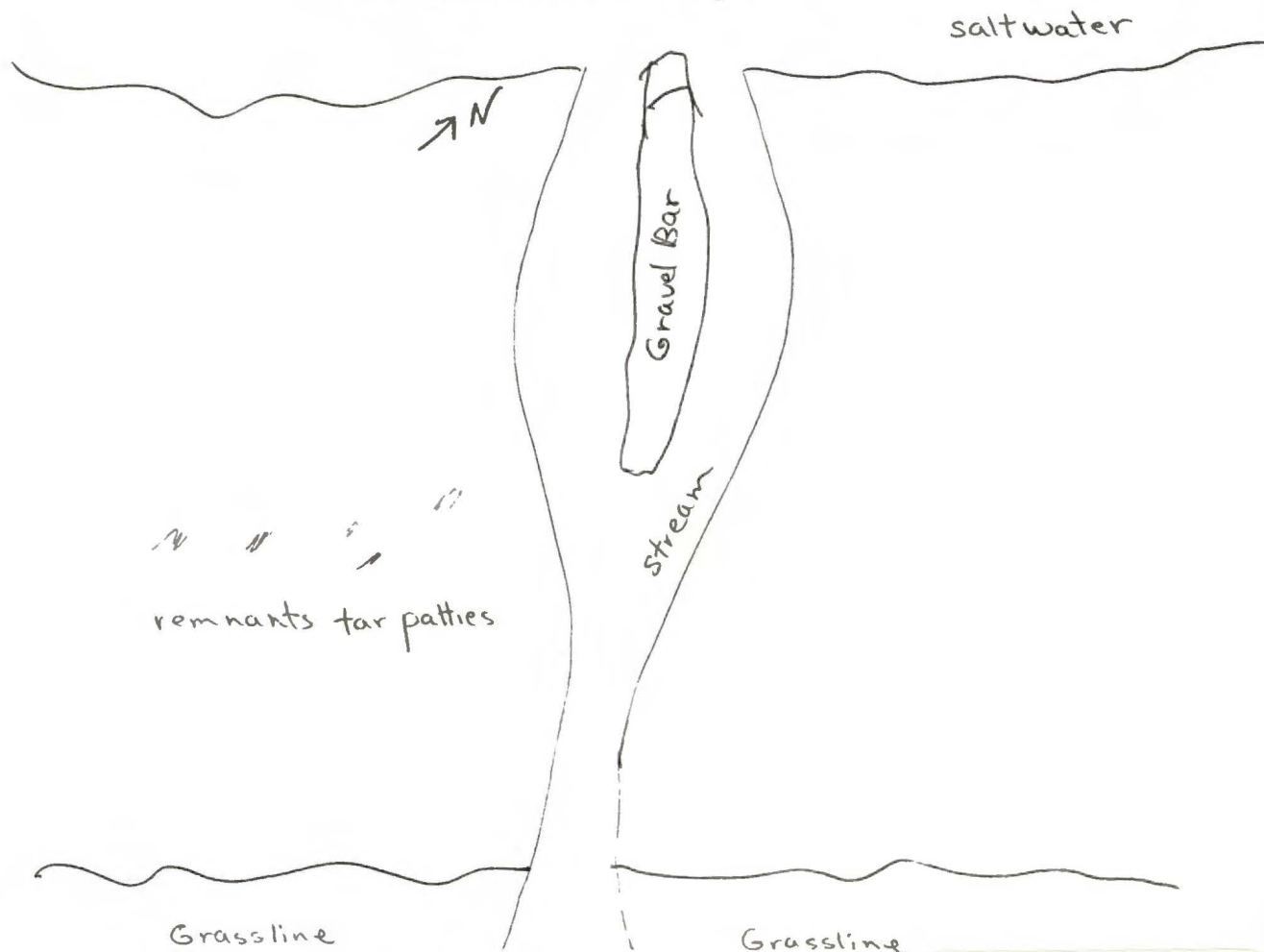
50 pinks in Intertidal portion, a school off the mouth

Scarcusses on stream banks
Description of oil and comments

remnants of tar patties on left side of stream, facing
down stream.

Rec- Re-assess in the spring

Oil Distribution Diagram



* DUP

ANADROMOUS FISH STREAMS/OILING CONDITION
PWS

Segment # GR-07 ASC# (uncatalogued) Location N Green I

Date 8/12/90 Recorder/Observer Aimee Weseman

Oil in streambed none , Oil on streambanks NO
sighted

Oil within 50m of mouth yes Anadromous Fish present yes

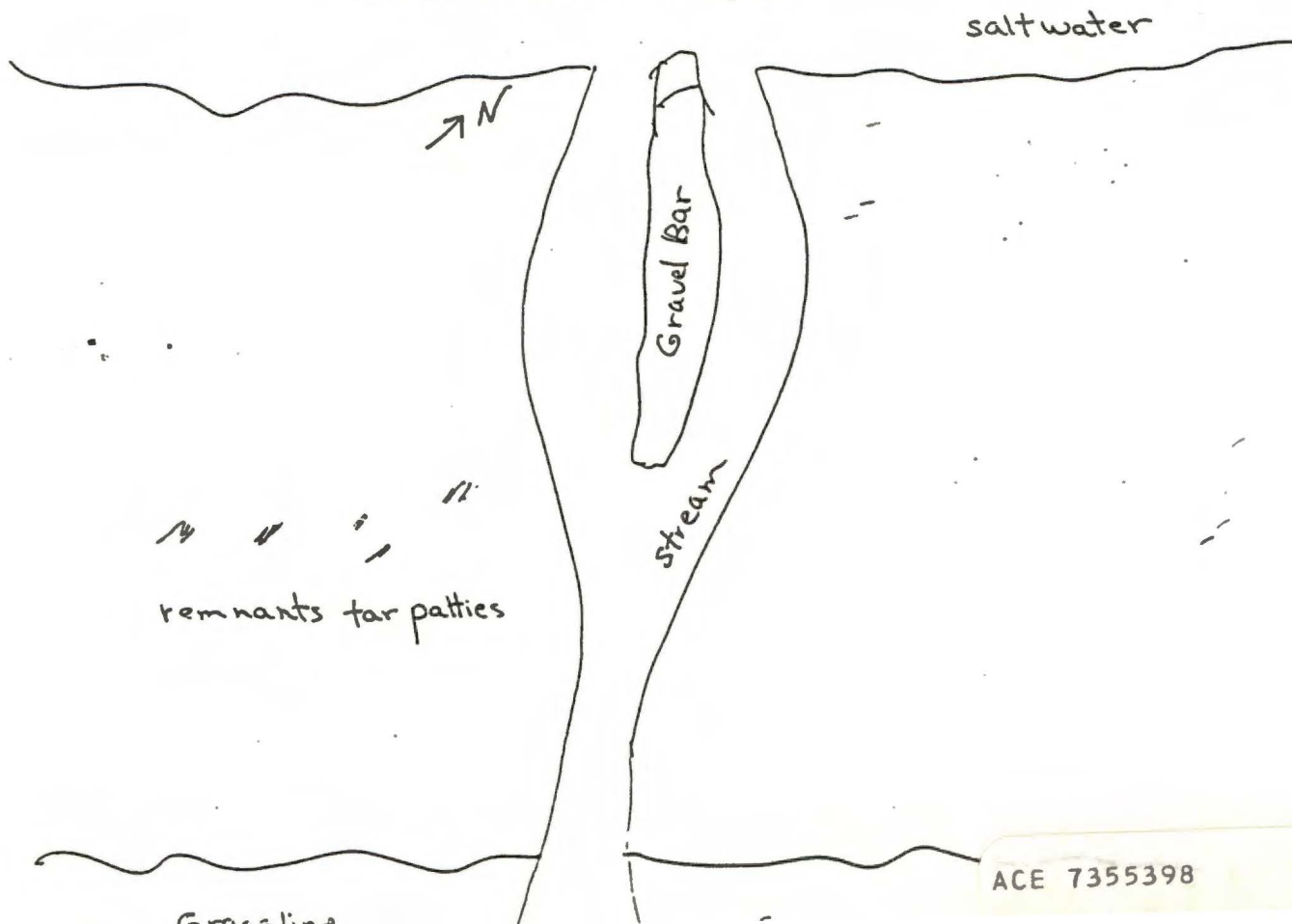
50 pinks in Intertidal portion, a school off the mouth

Scarcusses on stream banks
Description of oil and comments _____

remnants of tar patties on left side of stream, facing
down stream

Rec- Re-assess in the spring

Oil Distribution Diagram



ACE 7355398

ANADROMOUS FISH STREAMS/OILING CONDITION
PWS

Segment # GR-07 ASC# uncatalogued Location N Green I

Date 8/12/90 Recorder/Observer Aimee Weseman

Oil in streambed none Oil on streambanks NO
_{sighted}

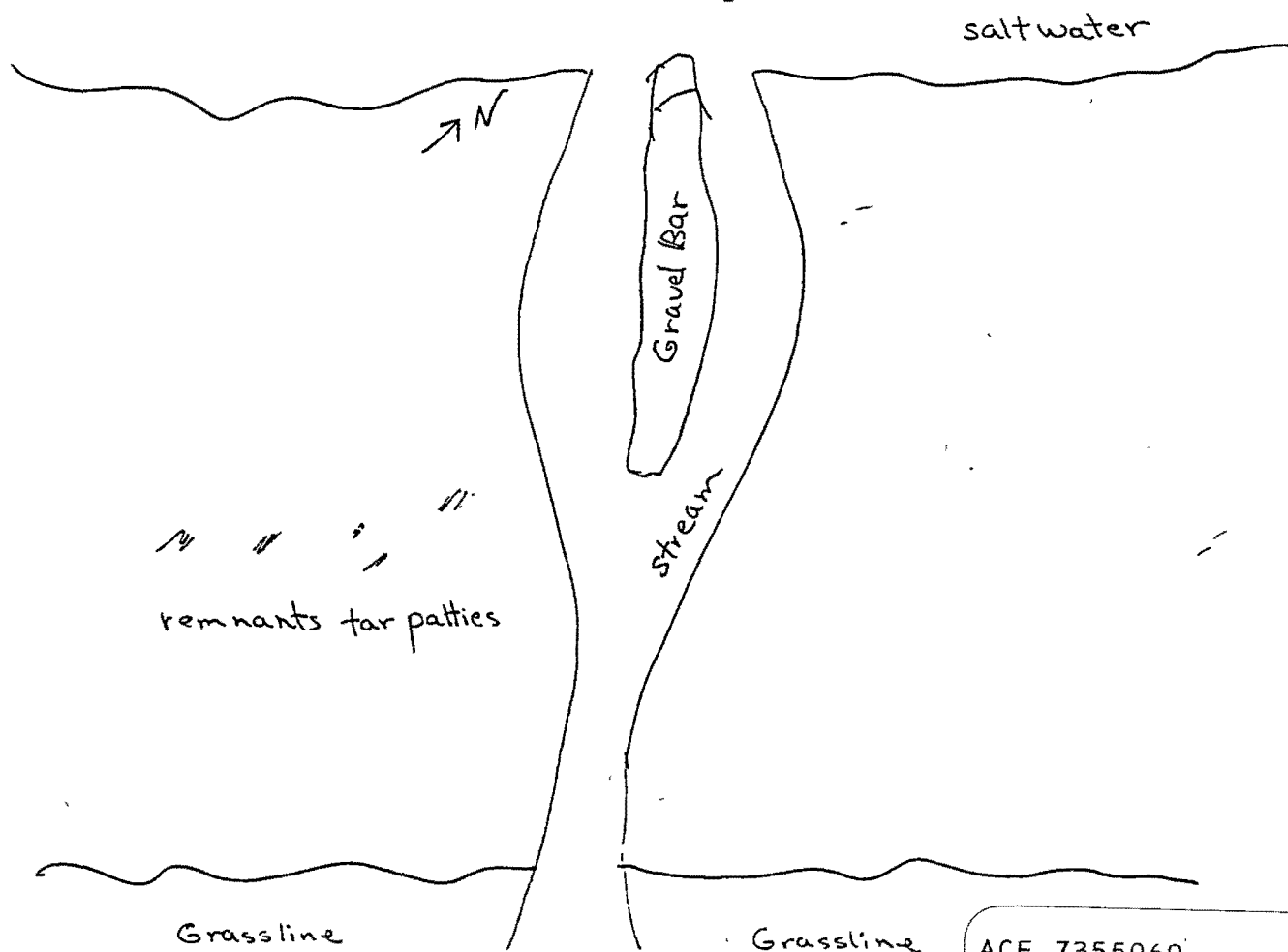
Oil within 50m of mouth yes Anadromous Fish present yes

50 pinks in Intertidal portion, a school off the mouth
Scarcusses on stream banks
Description of oil and comments _____

remnants of tar patties on left side of stream, facing
down stream

Rec- Re-assess in the spring

Oil Distribution Diagram



ACE 7355060

ANADROMOUS FISH STREAMS/OILING CONDITION
PWS

Segment # GR-07 ASC# uncatalogued Location N. Green I

Date 8/12/90 Recorder/Observer Aimee Weseman

Oil in streambed none sighted Oil on streambanks

Oil within 50m of mouth yes Anadromous Fish present yes

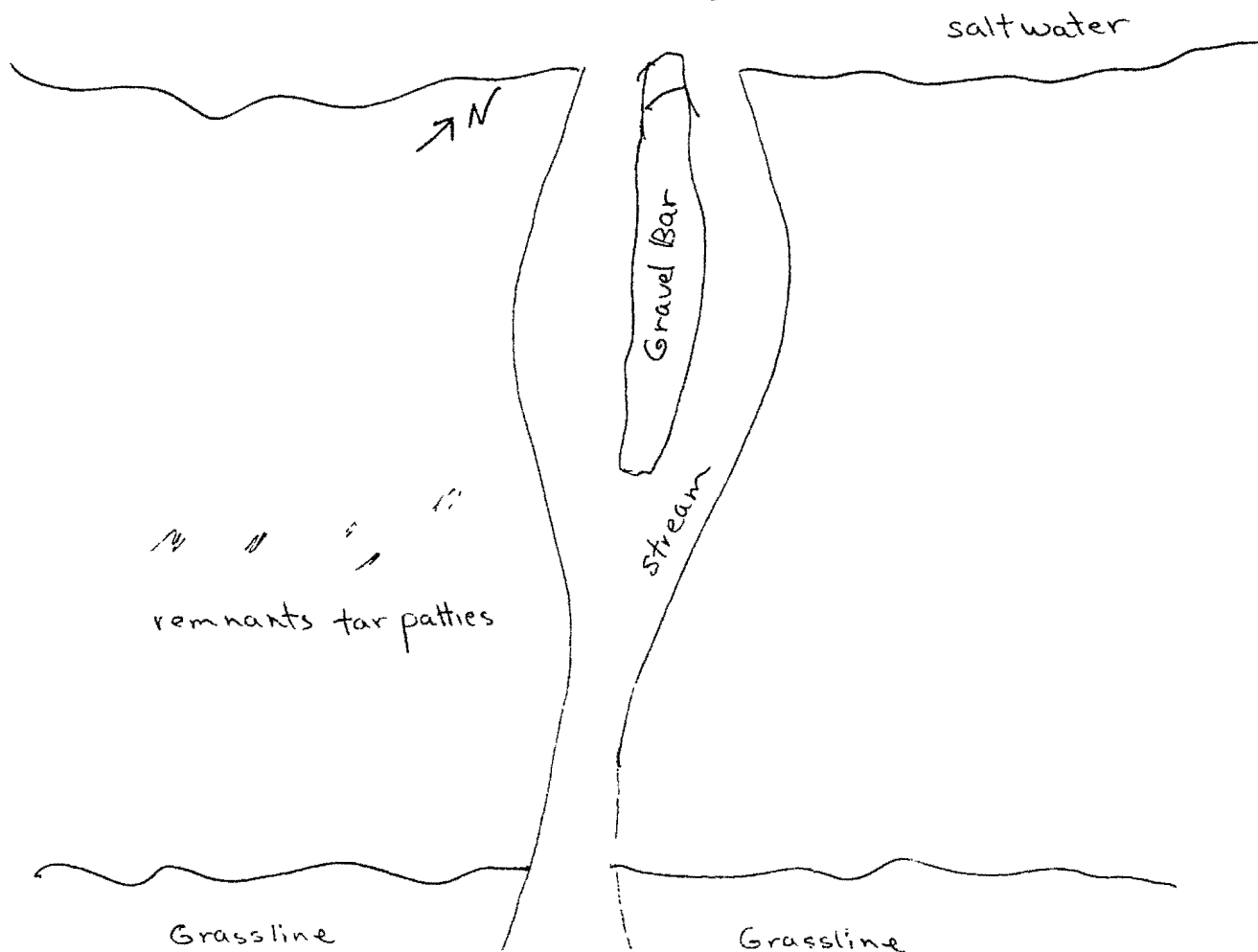
50 pinks in Intertidal portion, a school off the mouth

Scarcusses on stream banks
Description of oil and comments

remnants of tar patties on left side of stream, facing
down stream.

Rec- Re-assess in the spring

Oil Distribution Diagram



CATALOG NUMBER: 227UNCAT01 SEGMENT#: GR007 A LOCATION: GREEN ISLAND, NORTH SIDE							
DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS
04/11/90	PRE-ANADS CAT	1	SURFACE			AP	WEST STREAM BANK.

MAD vs. OG:
 COMMENTS:
 LARGE PATCH OF TARRED GRAVEL LEFT SIDE OF CREEK FACING DOWNSTREAM. OIL ON STREAM BANKS. RECOMMEND SHOVEL REMOVAL. POSSIBLE ANADROMOUS STREAM AND SHOULD BE OBSERVED DURING PEAK OF SPAWNING TIMES.

CATALOG NUMBER: 227UNCAT01 SEGMENT#: GR007 A LOCATION: GREEN ISLAND, NORTH SIDE							
DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS
04/23/90	ANADSCAT	1	1 x 2 SURFACE		1	TB	WEST SIDE OF FLOOD PLAIN, UPSTREAM OF CHANNEL DIVERGENCE: SCATTERED TAR PATTIES IN MITZ AND UITZ. PITS 1 AND 2 SHOW SURFACE OIL ONLY.

MAD vs. OG:
 COMMENTS:
 SCATTERED TAR PATTIES 1-2 CM DEEP ON LSFDS - APPROX 2 SQUARE METERS IN SIZE IN UITZ. OIL ON STREAM BANKS. RECOMMENDATIONS: MANUAL REMOVAL OF TAR PATTIES ON LSFD - SOUTH SIDE.

CATALOG NUMBER: 227UNCAT01 SEGMENT#: GR007 A LOCATION: GREEN ISLAND, NORTH SIDE							
DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS
04/23/90	OG'S ANADSCAT	1	1 x 2 SURFACE	91-100	3	OF AP	WEST BANK (MITZ) OF WEST CHANNEL ALONG LOWER PORTION OF FLOOD PLAIN: PATCH OF AP, EXTENDING ALONG SMALL CUT BANK, WHERE SHEENING OCCURS WHEN SEDIMENTS ARE AGITATED. PIT 2 SHOWS NO SUBSURFACE OIL.
04/23/90	OG'S ANADSCAT	2	1 x 1 SURFACE	1-10	3	OF PT	FURTHER WEST OF AREA 1 (MITZ). TOTAL OF 2 SMALL PATCHES. PIT IN CENTER OF PATCH SHOWS NO SUBSURFACE.

90: L

MAD vs. OG: MORE DETAILED THAN MAD, AND 2 AREAS DEFINED.
COMMENTS:

CATALOG NUMBER: 227UNCAT01

SEGMENT#: GR007 A

LOCATION: GREEN ISLAND, NORTH SIDE

DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL (cm)	SITE SPECIFIC COMMENTS
08/14/90	PRE-ASAP	1	SURFACE	1-10		TP	REMNANTS OF TAR PATTIES ON SOUTH SIDE OF STREAM, PERPENDICULAR TO BANK. NO DIMENSIONS PROVIDED. SPLASH DISTRIBUTION PER SKETCH.

MAD vs. OG:
COMMENTS:

CATALOG NUMBER: 227UNCAT01 SEGMENT#: GR007 A LOCATION: GREEN ISLAND, NORTH SIDE							SEQ:
DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS
04/11/90	PRE-ANADSCAT	1	SURFACE			AP	West stream bank

MAD vs. OG:

COMMENTS:

LARGE PATCH OF TARRER GRAVEL LEFT SIDE OF CREEK FACING DOWNSTREAM. OIL ON STREAM BANKS. RECOMMEND SHOVEL REMOVAL. POSSIBLE ANADROMOUS STREAM AND SHOULD BE OBSERVED DURING PEAK OF SPAWNING TIMES.

CATALOG NUMBER: 227UNCAT01 SEGMENT#: GR007 A LOCATION: GREEN ISLAND, NORTH SIDE							SEQ:
DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS
04/23/90	ANADSCAT	1	1 x 2 SURFACE		1	TB	WEST SIDE OF FLOOD PLAIN, UPSTREAM OF CHANNEL DIVERGENCE: SCATTERED TAR PATTIES IN MITZ AND UITZ. PITS 1 AND 2 SHOW SURFACE OIL ONLY.

MAD vs. OG:

COMMENTS:

SCATTERED TAR PATTIES 1-2 CM DEEP ON LSFDS - APPROX 2 SQUARE METERS IN SIZE IN UITZ. OIL ON STREAM BANKS. RECOMMENDATIONS: MANUAL REMOVAL OF TAR PATTIES ON LSFDS - SOUTH SIDE.

CATALOG NUMBER: 227UNCAT01 SEGMENT#: GR007 A LOCATION: GREEN ISLAND, NORTH SIDE							SEQ:
DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS
04/23/90	OG'S ANADSCAT	1	1 x 2 SURFACE	91-100	3	OF AP	MITZ WEST BANK OF WEST CHANNEL ALONG LOWER PORTION OF FLOOD PLAIN: PATCH OF AP, EXTENDING ALONG SMALL CUT BANK, WHERE SHEENING OCCURS WHEN SEDIMENTS IS MOVED <i>are agitated</i>
04/23/90	OG'S ANADSCAT	2	1 x 1 SURFACE	1-10	3	OF PT	FURTHER WEST OF AREA 1. TOTAL OF 2 SMALL PATCHES. PIT IN CENTER OF PATCH SHOWS NO SUBSURFACE.



MAD vs. OG: MORE DETAILED THAN MAD, AND 2 AREAS DEFINED.
COMMENTS:

CATALOG NUMBER: 227UNCAT01 SEGMENT#: GR007 A LOCATION: GREEN ISLAND, NORTH SIDE SEQ:

DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL (cm)	SITE SPECIFIC COMMENTS
08/14/90	PRE-ASAP	1	SURFACE	<u>1-10</u>		TP	REMNANTS OF TAR PATTIES ON SOUTH SIDE OF STREAM, PERPENDICULAR TO BANK. NO DIMENSIONS PROVIDED. - splash distribution per sketch

MAD vs. OG:
COMMENTS:

RECORDER: *Sundt*

REC-DATE: 10/7/91

OG SUPPLEMENTAL INFO TO MAD

PAGE

CATALOG NUMBER: 227 UNCAT Ø1

STREAM NAME:

LOCATION:

SEGMENT NUMBER: 62007 A

SHORELINE TYPE:

DATE: 04/23/90

OG vs. MAD: more detailed than MAD, ^{AND} 2 areas defined

[illegible]

ANADSCAT 11/24
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: 4-23-90

15 HIGH TIDE TIMES: 1

21 TEAM RECORDER: Aimee Weseman

4 START TIME: 1640

16 HIGH TIDE HTS: 1

22 OBSERVERS: Rick Gustin

5 STOP TIME: 1700

17 LOW TIDE TIMES: 1

23 AGENCY: Aimee Weseman

6 SEGMENT #: GR007

18 LOW TIDE HTS: 1

24 PHOTOS TAKEN: Y (N)

7 STATION #:

19 TIDE HT AT SURVEY:

Roll #: Frame:

8 K-UNIT:

Ebb Slack Flood Slack

25 VIDEO TAKEN: Y (N) TAPE#:

9 STAT AREA:

20 USCG QUAD: SB2

Start: End:

10 LAT:

11 LONG:

26 SAMPLES TAKEN? Y (N) Number

12 SOURCE: Map Loran

Oil

13 LOCATION: Northside Green Island

Sediment

14 DESCRIPTION:

Biological

Water

EXTENT OF OIL

	SHORELINE				STREAM			
	L	W	M ²	%	L	W	M ²	%
27 SURFACE COVERAGE	2m	1m						
28 SURFACE THICKNESS	1cm	2cm						
29 PENETRATION	no							

36 CATALOGED ANAD. FISH SREAM? Y (N)

37 CATALOG #: uncatalogued

38 STREAM NAME:

39 OIL IN STREAM BED? Y (N)

40 OIL ON STREAM BANKS? (Y) N

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

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

31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain

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

32 OILED DEBRIS? Y (N)

Where:

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

43 ANADROMOUS FISH PRESENT? Y N

34 WAVE EXPOSURE: High Moderate Low

44 ANADROMOUS FISH OBSERVATION
Species Aerial Ground

35 SUBSTRATE TYPE: Bedrock Boulder Cobble 40
Gravel 50 Sand 7 Mud/silt 3

Species	Aerial	Ground

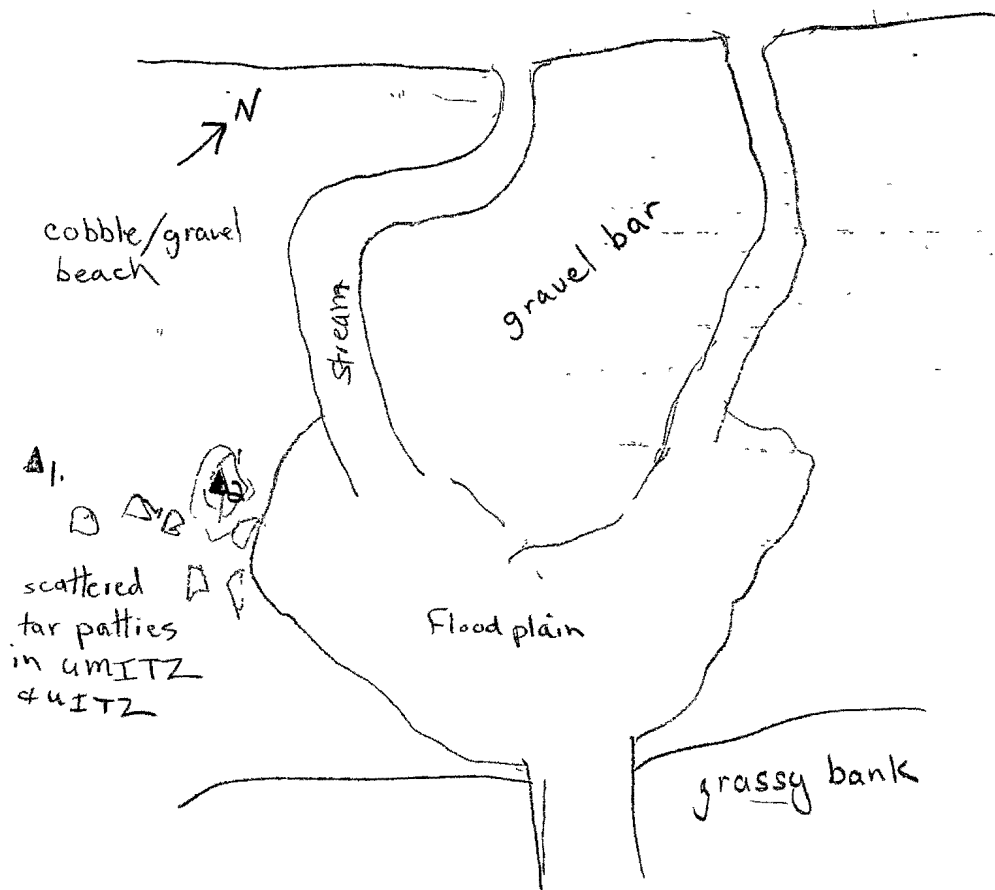
COMMENTS: scattered tar patches 1-2cm deep on lssers approx 2 square meters in size in LTT2

FRAME(S)

DESCRIPTION

pit 1 14cm dp 1cm oil pit 2 10cm ^{deep} 2cm oil on top

46 OIL DISTRIBUTION DIAGRAM



Recommendations
Manual removal of tar patties on LSFD - southside

OG CAL LARSON USCG DREHER, CWE SEGMENT ST/ GR007
 BIO KEN CRITCHLOW LAND REP STREAM NO NUMBER OF 1
 EXXON DARLHL YVES ADFG RICK GUSTIN-AIMEE WESEMAN TIME 16:40 OF 17:00
 TEAM NO. 14 TIDE LEVEL +3 FT DATE 4 / 23 / 90
 EST. SUBDIVISION LENGTH: 50 m ☐ Sun ☒ Clouds ☐ Fog ☐ Rain ☐ Snow
 UPLANDS DESCRIPTION: ☒ Grass ☒ Forest ☐ Rock
 SURVEYED FROM: ☒ Foot ☐ Boat ☐ Helo
 SURFACE SEDIMENTS: R 100 % B 0 % C 50 % P 50 % G 0 % S 0 % M 0 % V 0
 SLOPE: Lang 100 % Hang 0 % Vert 0 % WAVE EXPOSURE: ☒ Low ☐ Med ☐ High
 OIL CATEGORY LENGTH: W 0 m M 0 m N 3 m VL 0 m NO 47 m

SURFACE OIL

CHARACTER	DISTRIBUTION				OIL / FILM COLOR						IMPACTED ZONES			
	IC	IS	IP	IS	SB	DB	GY	SL	TL	LR	SU	U	M	U
ASPHALT PAVEMENT	✓					✓							✓	
POOLED														
COVER														
COAT														
STAIN														
MOUSSE														
PATTIES				✓		✓							✓	
TARBALLS														
FILM														
NO OIL														

PAVEMENT H F (S) 6 sq. m by .3 c

PATTIES / TARBALLS 0 BAGS

NEAR SHORE SHEEN? NO BR RW (S) TL

OILED DEBRIS	AMOUNT		
	SM	MD	LG
Logs			
Vegetation			
Trash			
Debris			

Did you COLLECT DEBRIS
☐ YES ☐ NO

TYPE 0

#BAGS 0

Photographs:

Roll No. 6

Frames 1-5

SUBSURFACE OIL

PIT NO.	PIT DEPTH (cm)	SUBSURFACE OIL CHARACTER					OILED INTERVAL (CM-CLM)	BELOW		OIL / FILM COLOR						PIT ZONE				A N A	SHEEN (Y/N)	SURFACE SUBSURFACE SEDIMENTS
		OP	OR	OL	OF	NO		UD	UC	SB	DB	GY	SL	TL	LR	SU	U	M	U			
1	14					✓	-									✓					N	CB, PE/CB, PE
2	10					✓	-									✓					N	CB, PB/CB, PE
							-															
							-															
							-															
							-															

COMMENTS NO STREAM NUMBER AT THIS SITE. VERY LITTLE OIL.

REVIEWED DATE

ACE 7354158

SKETCH MAP

SEGMENT ST/GR00

STREAM NO NUMBER

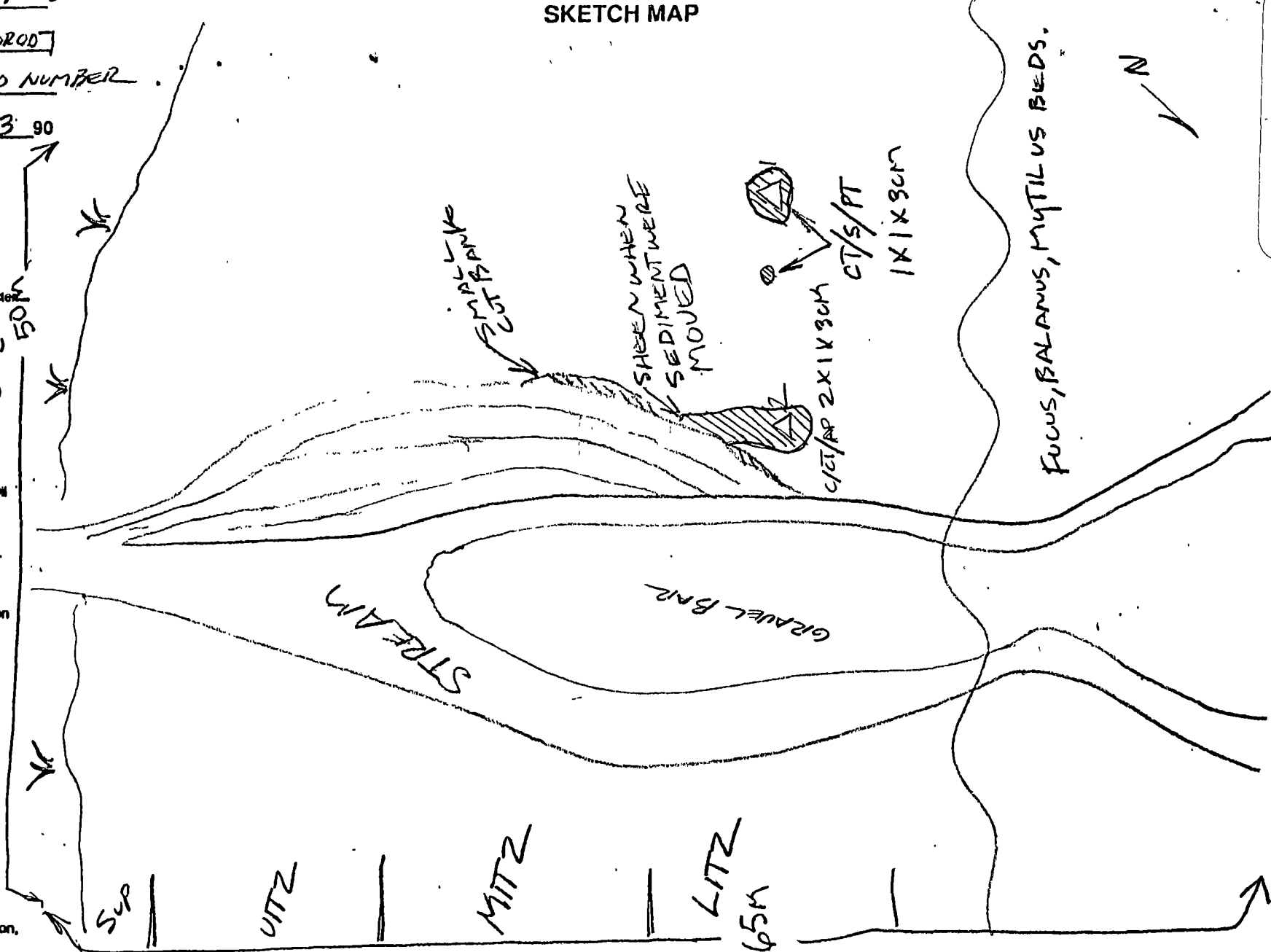
DATE 4/23/90

CHECKLIST

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

LEGEND

- 1 Pli - No Subsurface Oil
- 2 Pli - 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 2 PO CV CT ST MS PT 1 TB FL NO

REVISION: 01/24/90

ACE 7354154

Seq. ID: BR-007 Subdiv: No ASC #

Survey Date: 4/23/90

Comments of: Ken Critchlow

A small area of asphalt pavement was observed along the west bank of the stream; a few patties were present in the same area. Some sheen was produced in the area containing pavement when oiled sediments were disturbed. Two pits in this area revealed no subsurface oil.

This stream area can be cleaned by a small crew using shovels to remove contaminated sediments to a depth of 3-4 cm in the MITZ.

Ken Critchlow

FIELD SHORELINE COMMENT SHEET

SEGMENT ST 1 GR-007 SUBDIVISION: not cataloged DATE 23 APR 90

USCG

NAME Kerwin L. Drcher SIGNATURE CWO K. L. Drcher

☐ NO TREATMENT RECOMMENDED

☒ TREATMENT SUGGESTED

COMMENTS

Agree.

~~ADEC~~ → ADF&G

NAME Aimee Weseman SIGNATURE Aimee Weseman

☐ NO TREATMENT RECOMMENDED

☒ TREATMENT SUGGESTED

COMMENTS

manual removal of scattered tar patties on south side
of stream (LSFBS) in upper MITZ & UITZ

~~LAND MANAGER~~ → NONE

NAME _____ SIGNATURE _____

☐ NO TREATMENT RECOMMENDED

☐ TREATMENT SUGGESTED

COMMENTS

5/5

OPERATIONS FIELD NOTES

See Back for Instructions

SEGMENT ID ANNO GR-007
STREAM ID # NONE
ANNOTATED MAP INCLUDED QIN

DATE 4-23-90
NAME DARRYL JOES
TEAM # 14

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

SUBSURFACE OIL

Other (Describe)?	<u>NO SUBSURFACE OIL FOUND</u>

TARMATS	Quantities in Meters			Treatment Rec			# of Bags	Mandays Required	
	Length	Width	Thick(cm)	None	Breakup	Remove		Breakup	Remove
Area #1	<u>2</u>	<u>1</u>	<u>3</u>			☒	<u>10</u>	<u>—</u>	<u>1</u>
Area #2									
Area #3									
Area #4									
Sporadic Mats									

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

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

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

GENERAL
Wave Exposure H/M/L Snow covering 0 % of the Supratidal Zone?
Access Limitations: GOOD ACCESS - WIDE BEACH w/ SMALL PEBBLE
Snare Boom/Pom Poms Recommended? —
Would the production Craft have to be relocated to complete work on this subdivision? Y # of Times —

COMMENTS: WORK SHOULD BE PLANNED AROUND PERIOD 5-15 -> 7-10
CONTACT ADF & G BEFORE STARTING WORK
ACE 7354157

ANADROMOUS FISH STREAM EVALUATION

SEGMENT ST/ GR-07 STREAM NO: UNCATALOGUED DATE 4/23/90

SEGMENT ENVIRONMENTAL SENSITIVITIES AND TIME CONSTRAINTS:

Subject salmon stream (P, 12/89)

- 1A Salmon stream mouth - fry outmigration (3/1 to 5/15)
1B Salmon stream mouth - spawning (7/10 to 8/31)
2M Herring spawning (4/1 to 6/15)
5S Shorebird/Waterfowl concentration (4/1 to 5/15)
6Y Recreation: Special use destination
7II Subsistence area: Deer harvesting (8/15 to 2/28)
7Z Subsistence area: Salmon harvesting (5/1 to 9/30)

See attached Ecological Constraint sheet for specific constraints and contacts.

SUBDIVISION ECOLOGICAL CONSTRAINTS:

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

ARCHAEOLOGICAL CONSTRAINTS:

If cultural resources are uncovered during shoreline treatment, stop work in the vicinity, mark the location of the find and contact a member of Exxon's Cultural Resource Program immediately (564-3657; 564-3658 or 564-3276).

SHPO SIGNATURE: A. F. M. M. M. **DATE:** 5/11/90

Subsurface Oil Observed: Yes No X Maximum Depth

RECOMMENDATIONS:

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

COMMENTS: Recommended treatment includes manual removal of tar patties and tarmats in areas indicated on sketch map. Work should be conducted between 6/15 and 7/10 due to herring and salmon stream constraints.

SFR CONSTRAINTS ADDENDUM dated 6/12/90

TAG COMMENTS: _____

TAG APPROVAL DATE: 5/10/90
 ADEC ART WARRIOR Art Warrin
 EXXON ANDY TAT Andy Tat
 NOAA Burt Wescott Burt Wescott
 USCG D.D. Rome D.D. Rome

FOSC: W L DATE: 5-15-90

ACE # 735 4124-B
-15

ANADROMOUS FISH STREAM EVALUATION ADDENDUM

CONSTRAINTS FOR STREAM NO. UNCATALOGUED

SEGMENT GR-7 SUBDIVISION A

WORK WINDOW	
Manual Pickup Tarmat Removal	OPEN

ARCHAEOLOGICAL STANDARD CONSTRAINT

If cultural resources are uncovered, PHONE 564-3274.

APPLICABLE ECOLOGICAL TIME CONSTRAINTS

- | | | |
|-------|-----------------------------------|---|
| 1A,1B | Salmon Stream | An ADF&G uncatalogued anadromous stream is in Subdivision A. No constraint to manual pickup and tarmat removal. |
| 2M | Herring Spawning | No constraint to manual pickup and tarmat removal. |
| 5S | Shorebird/Waterfowl Concentration | No constraint to manual pickup and tarmat removal. |
| 7II | Subsistence: Deer Harvesting | No constraint to manual pickup and tarmat removal. |
| 7Z | Subsistence: Salmon Harvesting | No constraint to manual pickup and tarmat removal. |

OTHER ECOLOGICAL CONSIDERATIONS

No disturbance to stream bed or banks. Avoid any unnecessary disturbance or damage to unrolled substrate and biota especially intertidal and subtidal algae and seagrass. Restrict boat and air traffic and beach disturbance to essential minimum after 7/1.

SEE SUBDIVISION CONSTRAINT ADDENDUM GR-7A
FOR ADDITIONAL CONSTRAINT INFORMATION.

FOSC

[Signature]
[Signature]

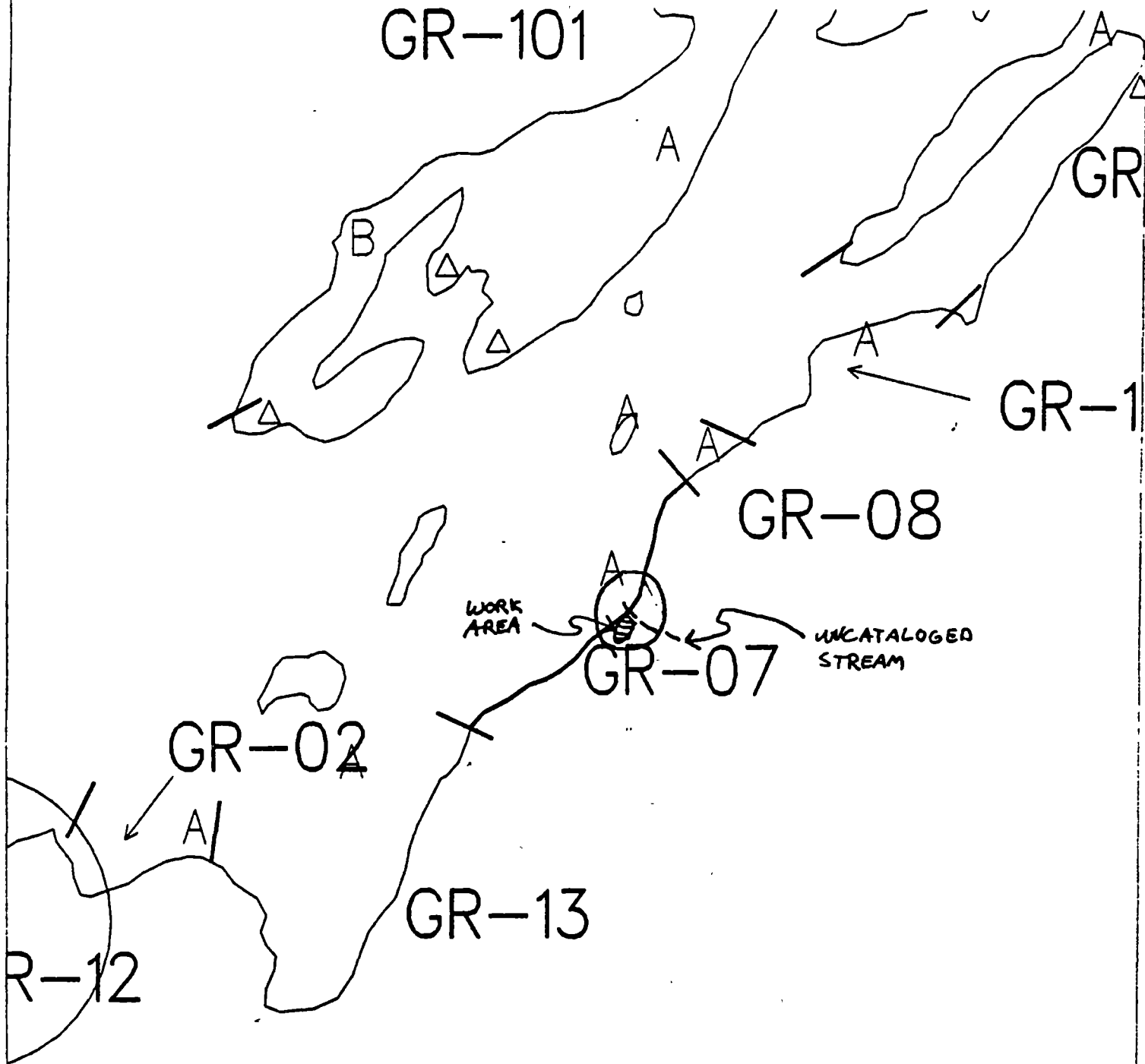
Date

6/13/90

Prepared by

Date

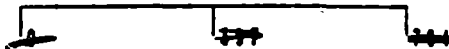
6/12/90



Exxon Company, USA
Map Key: PMS-GR-7
June 04, 1990



ECOLOGY MAP
SEGMENT GR-7
SUBDIVISION A (---!o!---)
METERS



- ★ Seabird Colony
- ▲ Active Eagle Nest
- △ Inactive Eagle Nest

1 inch = 4000 feet

ACE 7354124-A

STATE OF ALASKA

DEPARTMENT OF FISH AND GAME

STEVE COWPER, GOVERNOR

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

EXXON Valdez Oilspill Cleanup

Anadromous Fish Stream Authorization

Date 6-27-90

EXXON Authorized Representative _____

Shoreline Segment GR-7A

Anadromous Fish Stream Number(s) uncataloged

Approved Cleanup Techniques are to be in accordance with the AnadScat stream work order approved by the FOSC with special emphasis on manual removal of all oil of any form within the stream channel and bottom substrate, and on the stream banks within the high water limits. Minimize removal of stream bank substrate and surface components to that required for removing oiled materials.

Approved Cleanup Period 70 - 7/10/90

Alaska Department of Fish and Game

Mark M. Sewale
Authorized Officer

P. A. Dragnit
Permittee's Signature

Approved Cleanup techniques have been reviewed and complied with: _____

EXXON Authorized Field Representative

ACE 7354122 +/SG

PWS, SEWARD AND HOMER ECOLOGICAL CONSTRAINTS

- 1A Salmon stream mouth - fry outmigration (3/1 to 5/15)
 1B Salmon stream mouth - spawning (7/10 to 8/31)
 No disturbance of stream bed or banks unless authorized by ADF&G. No beach flushing into stream drainage. No bioremediation or other chemical application within 100m of stream without authorization from ADF&G. No use of methods which might affect nearshore oil or toxicity levels, such as hot water wash or Inipol application, prior to at least July 1 unless authorized by ADF&G. Treatment which is not intrusive and which will not affect nearshore oil or toxicity levels, such as manual removal, can probably proceed without adherence to time constraints. In any case, contact ADF&G Habitat Division prior to treatment for consultation and/or permit application.
 AGENCY CONTACT PERSON: ADF&G John Morison 267-2324
- 1C Salmon fry nursery area (4/31 to 7/31)
 No use of methods which might affect nearshore oil or toxicity levels, such as hot water wash or Inipol application, prior to July 31 unless authorized by ADF&G. Treatment which will not affect nearshore oil or toxicity levels, such as manual or mechanical removal, can probably proceed without adherence to time constraints. Contact ADF&G prior to treatment for confirmation and advice.
 AGENCY CONTACT PERSON: ADF&G Larry Peltz 424-3214
- 1D Esther Hatchery release (4/15 to 6/15)
 1E Main Bay Hatchery release (4/20 to 6/15)
 1F Sawmill Bay Hatchery release (4/15 to 6/1)
 1G Cannery Creek Hatchery release (4/21 to 6/1)
 1H Remote release site
 No use of methods which might affect nearshore oil or toxicity levels, such as hot water wash or Inipol application, prior to at least July 1 unless authorized by ADF&G and/or PWS Aquaculture Association. Treatment which will not affect nearshore oil or toxicity levels, such as manual or mechanical removal, can probably proceed without adherence to time constraints. Contact ADF&G or PWS Aquaculture Association for confirmation and authorization.
 AGENCY CONTACT PERSON: 1E ADF&G Larry Peltz 424-3214
 1D 1F 1G PWS Aquaculture Association John McMillan or Bruce Suzumoto 424-7511
- 1I Gill net area (6/7 to 8/31)
 1J Purse seine area (7/20 to 9/30)
 1K Purse seine hook-off (7/20 to 9/30)
 1L Set net sites (6/11 to 7/25)
 Contact ADF&G for specific dates, locations and constraints. Restrict boat and air traffic to essential minimum. When set net sites are present (1L) restrict beach operations to essential minimum as authorized by ADF&G. If plans for treatment include methods such as hot water wash or Inipol application which might affect nearshore oil or toxicity levels, contact ADF&G for consultation and authorization.
 AGENCY CONTACT PERSON: ADF&G James Brady 424-3212
- 2M Herring spawning (4/1 to 6/15)
 Contact ADF&G for confirmation - dates and locations may vary. Restrict boat traffic to essential minimum. Avoid damage to uncoiled intertidal and subtidal algae and seagrass. If plans for treatment include methods such as hot water wash or Inipol application which might affect nearshore oil or toxicity levels, contact ADF&G for consultation and authorization.
 AGENCY CONTACT PERSON: ADF&G Evelyn Biggs 424-3235
- 3N, 3P Harbor seal and sea lion pupping (5/15 to 7/1)
 3O, 3Q Harbor seal and sea lion molting (8/15 to 9/15)
 Restrict boat and air traffic to essential minimum. No personnel within 400m. Aircraft to maintain 800m horizontal and 300m vertical distance from haulouts. No application of Inipol within two weeks of arrival dates (work window at these sites is limited to 7/2 to 7/31). Contact ADF&G and USFWS prior to treatment for confirmation.
 AGENCY CONTACT PERSON: US National Marine Fisheries Service Steve Zimmerman 586-7235
 ADF&G Don Calkins 267-2403
- 5R Seabird colony (5/1 to 9/1)
 Restrict air and boat traffic to essential minimum. No personnel within 800m. Aircraft to maintain 800m horizontal, 300m vertical distance from colony. Contact USFWS prior to treatment.
 AGENCY CONTACT PERSON: USFWS Jill Parker 786-3377
- 5S Shorebird/waterfowl concentration (4/1 to 5/15)
 Restrict all activity to essential minimum, especially air traffic. Contact USFWS and ADF&G for confirmation.
 AGENCY CONTACT PERSON: USFWS Jill Parker 786-3377
 ADF&G Tom Roth 267-2208
- 5T All Bald Eagle nests (3/1 to 6/1)
 Active Bald Eagle nests (3/1 to 9/1)
 Restrict air traffic and all disturbance to essential minimum. No personnel within 400m 3/1 to 6/1. Air approach and takeoff from and to seaward only; maintain 800m horizontal, 300m vertical distance from nests. Contact USFWS prior to treatment for confirmation of dates.
 AGENCY CONTACT PERSON: USFWS Jill Parker 786-3377
- 6U Recreation: Tent sites (8/1 to 9/15)
 6V Anchorages (8/1 to 9/15)
 6W Forest Service cabins (8/1 to 9/15)
 6X Lodge (8/1 to 9/15)
 6Y Special use destination
- 7Z Subsistence area: Salmon harvesting (5/1 to 9/30)
 7HH Finfish harvesting
 7H Deer harvesting (8/15 to 2/28)
 7JJ Invertebrate harvesting
 Contact ADF&G and appropriate Native Corporation for specific dates, locations, and constraints. Restrict boat and air traffic and beach disturbance to essential minimum. If plans for treatment include methods such as hot water wash or application of Inipol which might affect intertidal or nearshore oil or toxicity levels, contact ADF&G and appropriate Native Corporation for authorization - see Native Corporation Contact List for each Native Corporation's contact person.
 AGENCY CONTACT PERSON: ADF&G Jim Fall 267-2359

ACE 7354132

ANAD
SSAT DATA ENTRY FORM

PAGE 1 OF 2

GENERAL DATA

SEG ID: BR-007 SUBDIV: N2 ASC TEAM: 14 SURVEY DATE: 4/23/90
PAVEMENT: CHAR S AREA 6 THICKNESS 3 TARBALLS -
OILED: LGS - VEG - TRH - DBR - WAVE EXP: LW X MD - HG -
FAX RCVD: - DT: - AGENCY DISAGREE: -
EST SUBDIV LGTH: 50 OIL CATEGORY: W - M - N 3 VL - NO 47 U -

SURFACE DATA

SURFACE SEDIMENT: BRK - BLD - COB 50 PEB 50 GRN - SAN - MUD - VEG -

CHAR #: 1 OIL CHAR: AP OIL DIST: CONT X BRKN - PTCH - SPLH -
OIL CLR: DBL FILM CLR: RW TIDAL ZONE: SU - UI - MI X LI -

CHAR #: 2 OIL CHAR: PT OIL DIST: CONT - BRKN - PTCH - SPLH X
OIL CLR: DBL FILM CLR: RW TIDAL ZONE: SU - UI - MI X 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 -

ANAD
SSAT DATA ENTRY FORM

SUBSURFACE DATA

PAGE 2 OF 2

SEGMENT ID: GR-007 SUBDIV: NO ASC #

PIT # 1 PIT DEPTH 14 OIL CHARACTER NO OIL INTVAL: FROM — TO —
QUANT: — OIL CLR: — FLM CLR: — ZONE: SU — UI X MI — LI —
SUBSURF SEDIMENT: BRK — BLD — COB X PEB X GRN — SAN X MUD — VEG —

PIT # 2 PIT DEPTH 10 OIL CHARACTER NO OIL INTVAL: FROM — TO —
QUANT: — OIL CLR: — FLM CLR: — ZONE: SU — UI X MI — LI —
SUBSURF SEDIMENT: BRK — BLD — COB X PEB X GRN — SAN X 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: —

LIST OF ASAP REPORTS and TAG RECOMMENDATIONS
CONTAINING ANDROMOUS STREAMS

9/10/90

<u>SEGMENT</u>	<u>CATALOG #</u>	<u>TAG RECOMMENDATION</u>
BA002A	226-40-16450	
BP004	226-20-16392	
BP004	226-20-16397	Bio/Customblen
BP004	226-20-16388	
BP004	226-20-16395	
CH002A	226-20-16180	
CH009B	226-20-16182	Tarmat removal/Bio
CH900A	226-20-16200	
CU014A	224-20-13036	
CU013A	224-20-13030	
EL052B	226-10-16902	NTR
EV014A	226-40-16640	
EV017A	226-40-16620	
EV025A	226-40-16613	
EV071B	228-40-16484	
GR007A	NOT CATALOGED	
GR103A	227-20-17880	
KN213B	226-30-16853	NTR
KN129A	226-10-16975	
KN129B	NOT CATALOGED	
KN132B	226-10-16982	
KN135A	226-30-16285	
KN211E	226-10-16875	NTR
KN401A	226-30-16820	
KN500A	226-10-16992	NTR
KN701B	226-30-16840	NTR
LA018A	226-40-16780	
LA021B	226-40-16776	
LA021A	226-40-16774	

Final Anadromous Stream Treatment Information

Segment ID - Stream ID	NTR	Bio	Bio Start	Bio End	Man	Man Start	Man End
BA002 226-40-16450	X						
BA002 226-40-16451		X	6/22/90	6/23/90	X	6/22/90	6/23/90
BP004 226-20-16388					X	7/1/90	7/2/90
BP004 226-20-16392					X	7/2/90	7/3/90
BP004 226-20-16395					X	7/3/90	7/4/90
BP004 226-20-16397		X	7/7/90	8/27/90	X	7/4/90	7/7/90
CB003 242-20-10190					X	6/14/90	6/14/90
CH001 226-20-16280					X	6/16/90	6/16/90
CH002 226-20-16180		X	7/3/90	9/12/90	X	6/16/90	6/16/90
CH009 226-20-16182		X	7/4/90	9/12/90	X	7/4/90	7/4/90
CH014 226-20-16255					X	6/20/90	6/20/90
CH016 226-20-16258	X						
CH0900 226-20-16200					X	7/3/90	7/3/90
CU001 224-20-12995					X	5/18/90	5/23/90
CU007 224-20-13010	X						
CU013 224-20-13030					X	6/3/90	6/3/90
CU014 224-20-13034					X	6/21/90	6/21/90
CU014 224-20-13036					X	6/21/90	6/21/90
EI001 242-10-10270					X	7/1/90	7/1/90
EL015 226-10-16906					X	6/30/90	6/30/90
EL052 226-10-16902		X	6/28/90	9/4/90			
ER005 226-50-16432					X	6/21/90	6/21/90
ER006 226-50-16430					X	6/20/90	6/20/90
ER007 226-50-16428					X	6/20/90	6/20/90
ER019 226-50-16406	X						
EV003 226-40-16590					X	6/10/90	6/10/90
EV007 226-40-16559	X						
EV012 EV012-UNCAT		X	6/22/90	6/23/90	X	6/22/90	6/23/90
EV014 226-40-16640					X	6/23/90	6/23/90
EV017 226-40-16620					X	6/19/90	6/19/90
EV017 226-40-16630					X	6/19/90	6/19/90
EV025 226-40-16613		X	7/1/90	7/1/90	X	6/9/90	6/9/90
EV027 226-40-16610					X	7/8/90	7/8/90
EV070 226-40-16509		X	6/12/90	9/1/90	X	6/12/90	6/12/90
EV071 226-40-16484		X	7/5/90	9/1/90	X	6/21/90	6/21/90
FL002 226-40-16390	X						
FL005 226-40-16400	X						
GR007 GR007-UNCAT					X	6/27/90	6/27/90
GR013 227-20-17890	X						
GR103 227-20-17880					X	6/24/90	6/26/90
IN031 226-10-16916					X	7/5/90	7/5/90
K0101-SI008 251-81-10010	X						
K0101-SI014 251-82-10090					X	7/3/90	7/3/90
K0112-SS009 251-50-10045					X	7/2/90	7/2/90
K0201-SI013 251-81-812	X						
K0302-IB005 252-31-10020					X	6/5/90	6/5/90
K0911-CD018 262-10-10100					X	7/5/90	7/7/90
K0911-CD020 262-10-10040					X	7/3/90	7/8/90
K0911-CD020 262-10-10070	X						

ASAP TAG Evaluations/Recommendations

TAG RECOMMENDATIONS

BA-02	A	Bioremediation and Reassessment 91
BA-06	C	*Reapplication Bioremediation
BA-07	A	NTR
CH-10	C	NTR - Reassessment 91
CH-13	A	Bioremediate - Inipol 90
EB-11	A	*Bioremediation and Reassessment 91
EL-55	B	*Reapplication Bioremediation
EL-55	C	*Reapplication Bioremediation
EL-56	A	*Reapplication Bioremediation
EL-58	B	*Reapplication Bioremediation
ER-08	A	Manual pickup of tarmats site 1-low priority
ER-09	A	Bioremediate reapply - middle of site 1
ER-11	A	*Manual rake and Bioremediation
EV-03	A	*Reapplication Bioremediation
EV-54	A	*Reapplication Bioremediation
FL-01	A	NTR - Completed by field crew
FL-04	A	*Manual rake and Bioremediation
FL-04	B	*Manual rake and Bioremediation
GR-01	A 1	*Reapplication Bioremediation
GR-01	A 2	*NTR - Reassessment 91
GR-01	A 3	*Reapplication Bioremediation
GR-01	B	*Reapplication Bioremediation
GR-02	A 1-3	*NTR
GR-07	A 1-2	NTR
KN-19	A 1	*Reapplication Bioremediation
KN-400	A	*Bioremediation reapply and assessment 91
KN-401	A 1	Pickup asphalt and mousse-moderate priority
KN-401	A 2	NTR set aside
LA-39	A 1	Manual remove asphalt - low priority

TAG		DATED:	08/09/90
EXXON	Andy Tate		
ADEC	Ray Morris		
USCG	D. D. Rome	FOSC:	
NOAA	Burl Wescott	DATED:	11/9/90

NOTE: * - ALREADY SCHEDULED FOR REAPPLICATION

ADEC EXXON VALDEZ POST-TREATMENT SURVEY REPORT

SEGMENT#: GR007
LOCATION: NW GREEN ISLAND

DATE: 10/03/89
TIME: 10:43

Survey Type: Boat, Ground
Team: M. Ebel, B. Fitzsimons

WEATHER AND SEA CONDITIONS

Weather: Cloudy
Sea State: Calm

Wind Direction: 0
Knots: 0

Low Tide: 22:19 Feet: 0.35 High Tide: 3:57 Feet: 10.8
Low Tide: 9:41 Feet: 3.06 High Tide: 15:37 Feet: 12.6

SHORELINE DESCRIPTION

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

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

OIL CHARACTERISTICS

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

Max. Oil Thickness: 2 mm (1 = 1 mm or less, 0 = no oil)
Max. Oil Penetration: 15 cm (35 = 35 cm or greater)

Percent Segment Categorized as Oiled: 30%
Presence of Oiled Driftwood (y/n): n
Oil Types: M,SY,T,A,ST
(P=pooled, M=mousse, SY=sticky, T=tar, A=asphalt, ST=stain)
Samples: none / none / none / none

DAMAGED OR OILED ORGANISMS

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

SOLID WASTE FOUND

Type: None

Bags Collected: 0

Draft

Printed: 12/12/89 11:24

Walk-a-thon

ACE 7354093

Extra copies
ANADSCAT

ADP&G MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: BS SS DS TS AVS SCHM MMS PTA 2 REGION: PVS KP,CI K,AP

METHOD: Aerial Ground Boat

3 DATE: 4-23-90 15 HIGH TIDE TIMES: 7 21 TEAM RECORDER: Aimee Weseman

4 START TIME: 1640 16 HIGH TIDE HTS: 1 22 OBSERVERS: Rick Gustin

5 STOP TIME: 1700 17 LOW TIDE TIMES: 1 23 AGENCY: Aimee Weseman

6 SEGMENT #: GR007 18 LOW TIDE HTS: 1 24 PHOTOS TAKEN: Y (N)

7 STATION #: _____ 19 TIDE HT AT SURVEY: _____ Roll #: _____ Frame: _____

8 K-UNIT: _____ Bob Stalk Filled Stalk 25 VIDEO TAKEN: Y (N) TAPES: _____

9 STAT AREA: _____ 20 USCG QUAD: SBD Start: _____ End: _____

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

12 SOURCE: Map Loran _____ Oil _____

13 LOCATION: North side Green Island Sediment _____

14 DESCRIPTION: _____ Biological _____

Water _____

EXTENT OF OIL

	SHORELINE				STREAM			
	L	V	H	S	L	V	H	S
27 SURFACE COVERAGE	2m	1m						
28 SURFACE THICKNESS	1cm	2cm						
29 PENETRATION	NO							

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

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 40
Gravel 50 Sand 7 Mud/silt 3

36 CATALOGED ANAD. FISH STREAM? Y (N)

37 CATALOG #: _____

38 STREAM NAME: _____

39 OIL IN STREAM BED? Y (N)

40 OIL ON STREAM BANKS? Y (N)

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

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

Where: _____

43 ANADROMOUS FISH PRESENT? Y N

44 ANADROMOUS FISH OBSERVATION

Species	Aerial	Ground

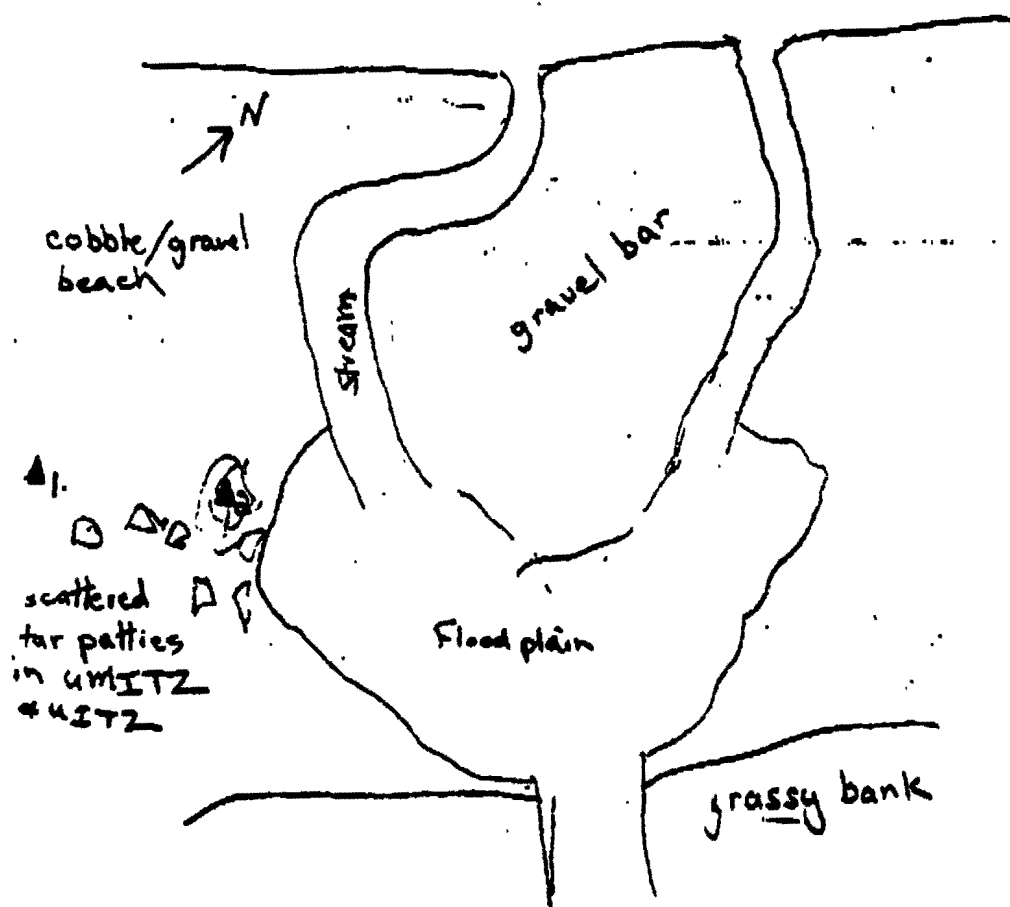
REMARKS: scattered tar patches 1-2cm deep on lssrs approx 2 square meters in size in UTT2

43 PHOTOLOG

FRAME(S)

DESCRIPTION

pit 1 14cm deep 1cm oil pit 2 10cm deep 2cm oil

48 OIL DISTRIBUTION DIAGRAM

Recommendations

Manual removal of tar patties on LSFD - southside

ANADROMOUS FISH STREAM EVALUATION.

SEGMENT ST/ GR-07 STREAM NO: UNCATALOGUED DATE 4/23/90

SEGMENT ENVIRONMENTAL SENSITIVITIES AND TIME CONSTRAINTS:

Subject salmon stream (P, 12/89)

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

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

2M Herring spawning (4/1 to 6/15)

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

6Y Recreation: Special use destination

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

72 Subsistence area: Salmon harvesting (5/1 to 9/30)

See attached Ecological Constraint sheet for specific constraints and contacts.

SUBDIVISION ECOLOGICAL CONSTRAINTS:

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

ARCHAEOLOGICAL CONSTRAINTS:

If cultural resources are uncovered during shoreline treatment, stop work in the vicinity, mark the location of the find and contact a member of Exxon's Cultural Resource Program immediately (564-3657; 564-3658 or 564-3276).

SHPO SIGNATURE: A. David M. Mahan DATE: 5/10/90

Subsurface Oil Observed: Yes No X Maximum Depth

RECOMMENDATIONS:

No Treatment Recommended

X Treatment Recommended

X Manual Pickup

Bioremediation

X Tarmat Removal

Snare/Absorbent Booms

Oil Snares (pom poms)

Absorbents (pads, rolls, etc)

Spot Washing: Wands

Beach Cleaner

Other (see comments)

COMMENTS: Recommended treatment includes manual removal of tar patties and tarmats in areas indicated on sketch map. Work should be conducted between 6/15 and 7/10 due to herring and salmon stream constraints.

TAG COMMENTS:_____

TAG APPROVAL DATE: 5/10/90

ADEC ART WEEK Art Week

EXXON Andy Katz *[Signature]*

NOAA Burl Wescott Burl Wescott

USCG D.D. Rome DA Rome

FOSC: NY L DATE: 5-15-90

Seq. ID: BR-007 Subdiv: No ASC #

Survey Date: 4/23/90

Comments of: Ken Critchlow

A small area of asphalt pavement was observed along the west bank of the stream; a few patties were present in the same area. Some sheen was produced in the area containing pavement when oiled sediments were disturbed. Two pits in this area revealed no subsurface oil.

This stream area can be cleaned by a small crew using shovels to remove contaminated sediments to a depth of 3-4 cm in the MITZ.

KR Critchlow

SEGMENT ST/ GR-07 STREAM NO: UNCATALOGUED DATE 4/23/90

SEGMENT ENVIRONMENTAL SENSITIVITIES AND TIME CONSTRAINTS:

Subject salmon stream (P, 12/89)

- 1A Salmon stream mouth - fry outmigration (3/1 to 5/15)
1B Salmon stream mouth - spawning (7/10 to 8/31)
2M Herring spawning (4/1 to 6/15)
5S Shorebird/Waterfowl concentration (4/1 to 5/15)
6Y Recreation: Special use destination
7II Subsistence area: Deer harvesting (8/15 to 2/28)
7Z Subsistence area: Salmon harvesting (5/1 to 9/30)

See attached Ecological Constraint sheet for specific constraints and contacts.

SUBDIVISION ECOLOGICAL CONSTRAINTS:

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

ARCHAEOLOGICAL CONSTRAINTS:

If cultural resources are uncovered during shoreline treatment, stop work in the vicinity, mark the location of the find and contact a member of Exxon's Cultural Resource Program immediately (564-3657; 564-3658 or 564-3276).

SHPO SIGNATURE: A. David M. Makam DATE: 5/10/90

Subsurface Oil Observed: Yes_____ No X Maximum Depth_____

RECOMMENDATIONS:

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

COMMENTS: Recommended treatment includes manual removal of tar patties and tarmats in areas indicated on sketch map. Work should be conducted between 6/15 and 7/10 due to herring and salmon stream constraints.

TAG COMMENTS:_____

TAG APPROVAL DATE: 5/10/90.

ADEC ART WORKER Art Worker

EXXON ANDY TAT

NOAA Burl Wescott ~~Burl Wescott~~

USCG D.D. Rome NA Home

FOSC: W L DATE: 5-15-90

4/1/91
 00 CAL LARSON
 SEGMENT ST/6290

SKETCH MAP

STREAM NO. NUMBER

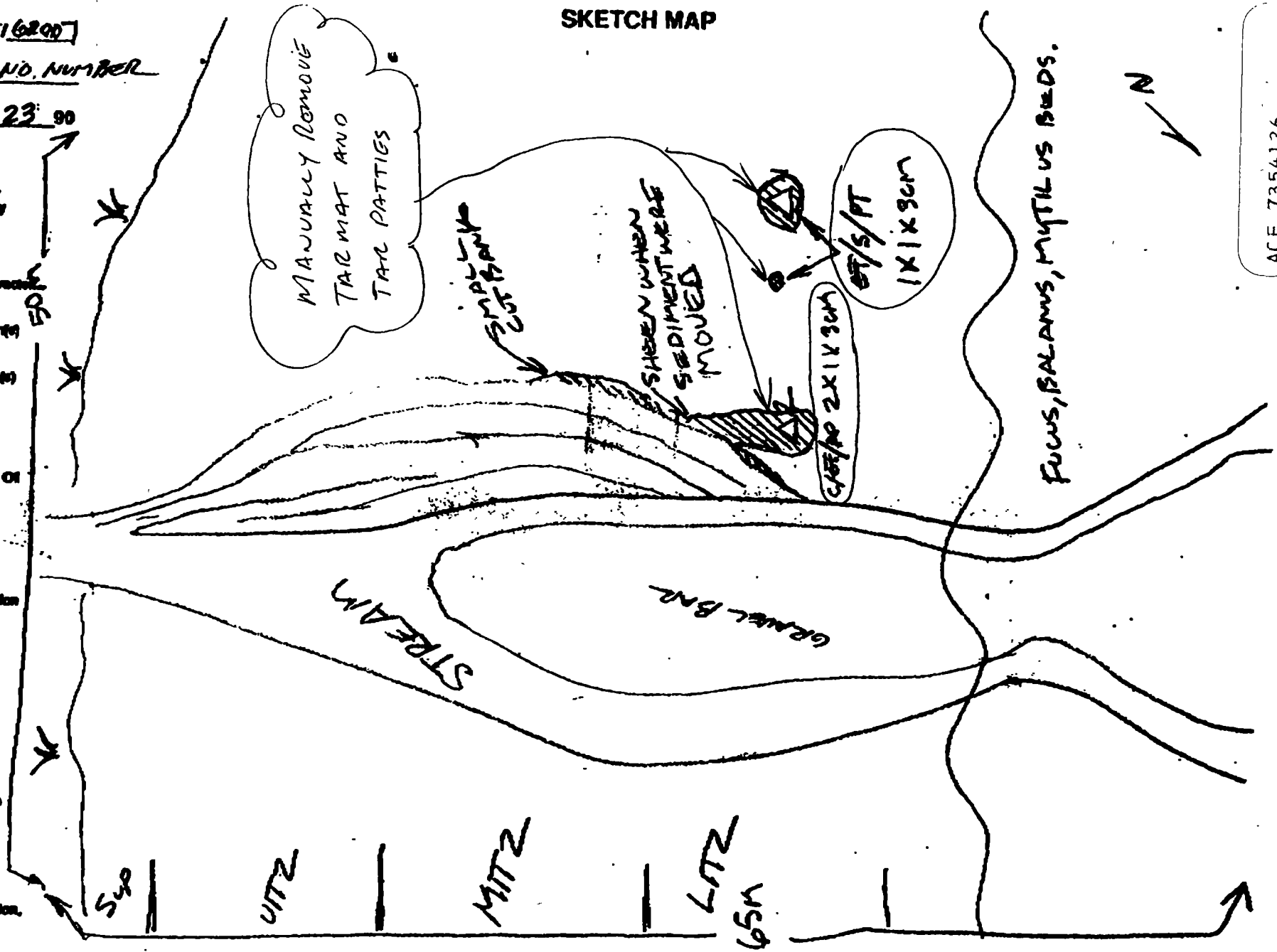
DATE 4 123 90

CHECKLIST

- ☐ N Arrow
- ☐ Approx. Scale
- ☐ Seg/Bat Entry
- ☐ Oil Dist.
- ☐ Width
- ☐ Length
- ☐ % Cover
- ☐ Substrate Character
- ☐ Est. HW/LW
- ☐ SBL
- ☐ Profile Location(s)
- ☐ Profile(s)
- ☐ Pit Location(s)
- ☐ Photo Location(s)

LEGEND

- 1 Δ
Pit - No Subsurface Oil
- 2 Δ
Pit - Subsurface Oil
- CT/C
Continuous Distribution
- CT/D
Broken Distribution
- CT/P
Patchy Distribution
- CT/S
Splashed Distribution
- eee
Oiled Vegetation
- 1 →
Photo location, direction, and number



Oil Character Length (m): AP 2 PO CV CT ST MS PT 1 TB FL NO

REVISIONS

ACE 7354126

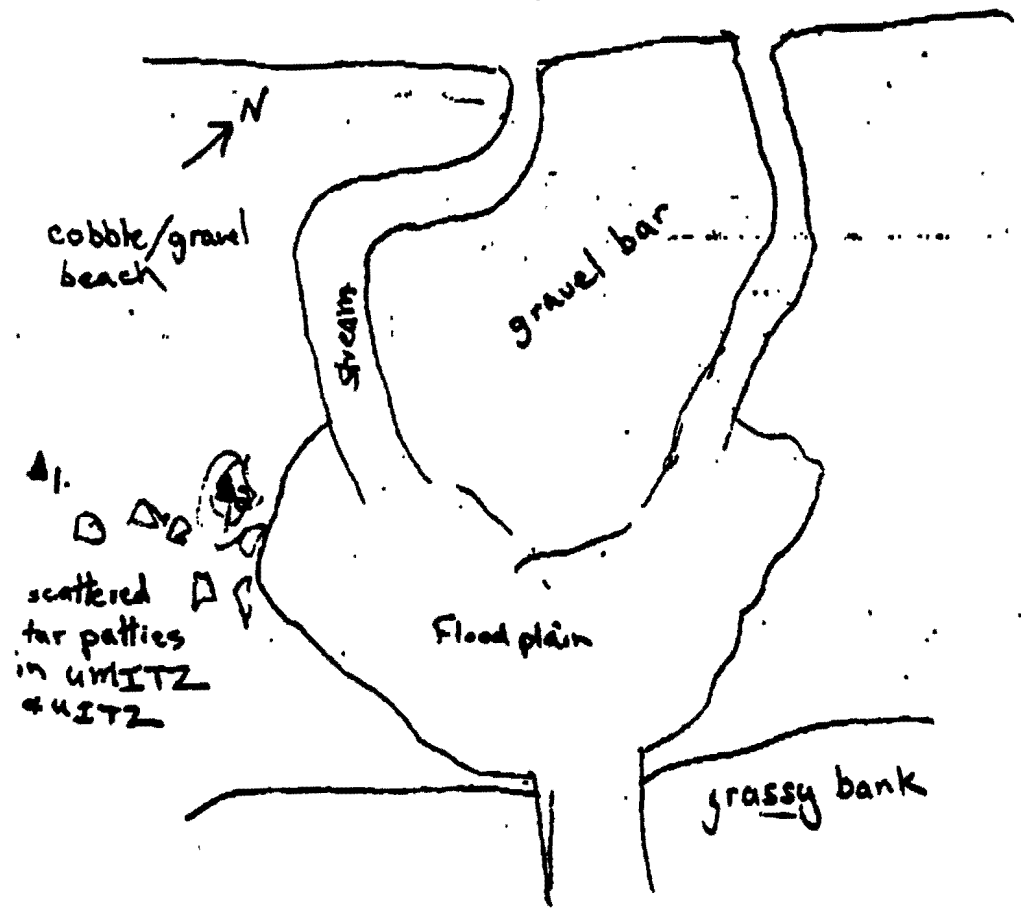
48 PHOTOLOG

FRAME(S)

DESCRIPTION

pit 1 14cm dp 1cm oil pit 2 10cm 2cm oil on top

48 OIL DISTRIBUTION DIAGRAM



Recommendations
Manual removal of tar patties on LSFD - southside

ECOLOGICAL MAP

1A, 1B
2M, 5S, 6Y, 7II, 7Z

GF

ANADROMOUS STREAM
UNCATALOGUED
BY ADF&G

LOCATED WITHIN

GR-07-A (1 of 4)

GR-07

XXXX Wide

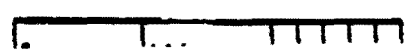
//// Medium

---- Narrow

TTTT Very Light

GR-7

ADEC Segment Length: 933m



Map Key: PWS-265

Name: San Francisco

Date: March 20/1990

SKETCH MAP

SEGMENT ST/GR00

STREAM NO NUMBER

DATE 4/23/90

CHECKLIST

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

LEGEND

1 Δ
PII - No Subsurface Oil

2 Δ
PII - Subsurface Oil

CT/C
Continuous Distribution

CT/B
Broken Distribution

CT/P
Patchy Distribution

CT/S
Splashed Distribution

eee
Oiled Vegetation

1 $\rightarrow$
Photo location, direction, and number

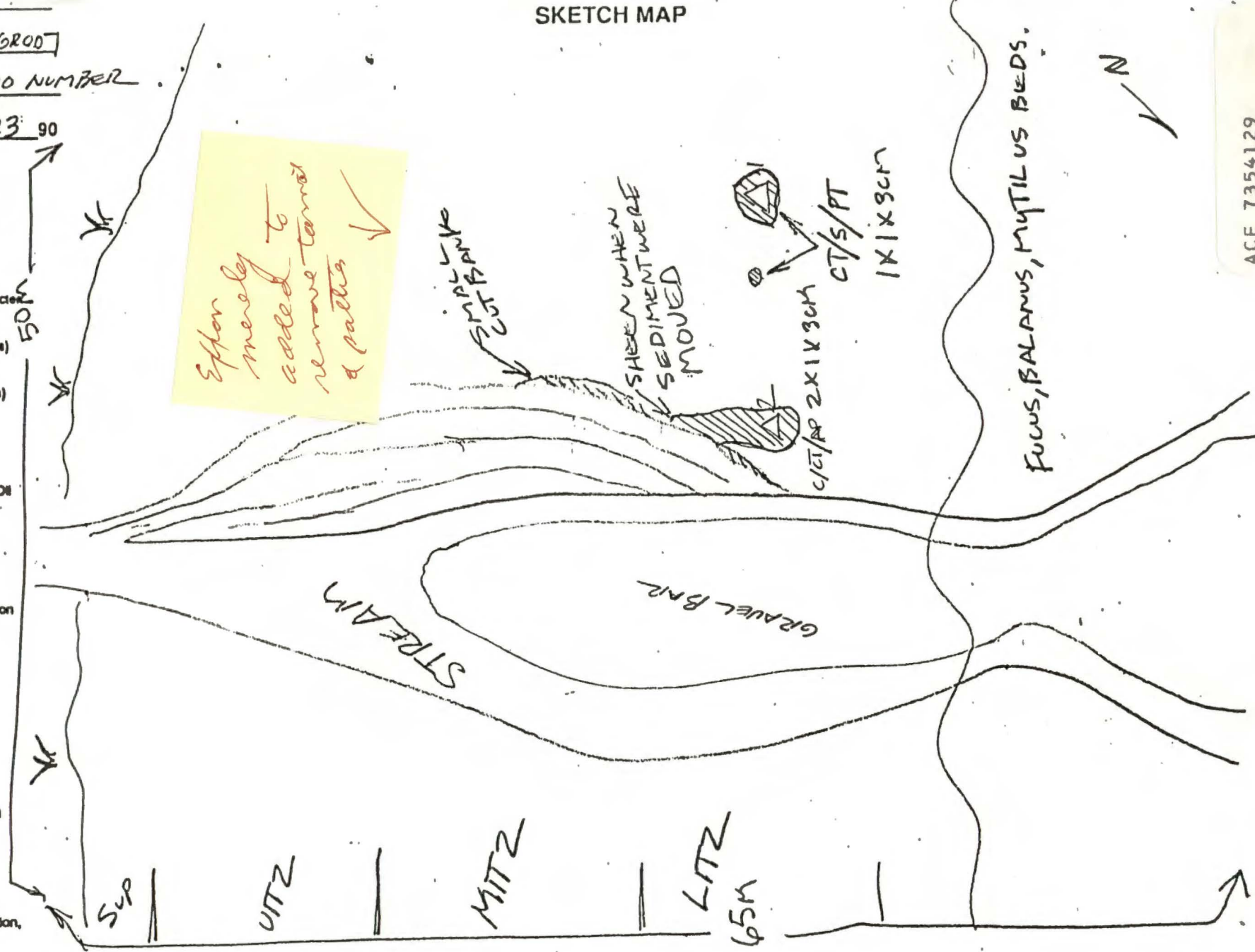
Effort merely added to remove tar & patches

SPILLAGE CUT BANK

SCREEN WHEN SEDIMENT WERE MOVED

CT/S/PT 1X1X3CM

FOWS, BALANUS, MYTILUS BEDS.



Character Length (m): AP 2 PO CV CT ST MS PT 1 TB FL NO

REVISION: 8/24/98

ACE 7354129

RECEIVED
MAY 07 1990

DEPT. OF
ENVIRONMENTAL CONSERVATION

ANADROMOUS FISH STREAM ASSESSMENT

REGION: PRINCE WILLIAM SOUND

SEGMENT: GR-07

STREAM NO: UNCATALOGUED

Concur

*ORIGINAL FIELD MAP
HAS BEEN ALTERED*

ok

ACE 7354130 +/5

ANADROMOUS FISH STREAM EVALUATION

SEGMENT ST/ GR-07 STREAM NO: UNCATALOGUED DATE 4/23/90

SEGMENT ENVIRONMENTAL SENSITIVITIES AND TIME CONSTRAINTS:

Subject salmon stream (P, 12/89)

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

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

2M Herring spawning (4/1 to 6/15)

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

6Y Recreation: Special use destination

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

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

See attached Ecological Constraint sheet for specific constraints and contacts.

SUBDIVISION ECOLOGICAL CONSTRAINTS:

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

ARCHAEOLOGICAL CONSTRAINTS:

If cultural resources are uncovered during shoreline treatment, stop work in the vicinity, mark the location of the find and contact a member of Exxon's Cultural Resource Program immediately (564-3657; 564-3658 or 564-3276).

SHPO SIGNATURE: _____ DATE: _____

Subsurface Oil Observed: Yes _____ No X Maximum Depth _____

RECOMMENDATIONS:

 No Treatment Recommended

 X Treatment Recommended

 X Manual Pickup

 Bioremediation

 X Tarmat Removal

 Snare/Absorbent Booms

 Oil Snares (pom poms)

 Absorbents (pads, rolls, etc)

 Spot Washing: _____ Wands

 Beach Cleaner

 Other (see comments)

COMMENTS: Recommended treatment includes manual removal of tar patties and tarmats in areas indicated on sketch map. Work should be conducted between 6/15 and 7/10 due to herring and salmon stream constraints.

TAG COMMENTS: _____

TAG APPROVAL DATE: _____

ADEC _____

EXXON _____

NOAA _____

USCG _____

FOSC: _____ DATE: _____

ACE 7354131

7/41

FIELD SHORELINE COMMENT SHEET

SEGMENT ST 1 GR-007 SUBDIVISION: not cataloged DATE 23 APR 90USCGNAME Kerwin L. Dreher SIGNATURE Kerwin L. Dreher☐ NO TREATMENT RECOMMENDED
COMMENTS☒ TREATMENT SUGGESTED

Agree.

~~ADCO~~ → ADFGNAME Aimee Weseman SIGNATURE Aimee Weseman☐ NO TREATMENT RECOMMENDED
COMMENTS☒ TREATMENT SUGGESTEDmanual removal of scattered tar patties on south side
of stream (LSPBS) in upper MITZ & UITZ~~LAND MANAGER~~ → NONE

NAME _____ SIGNATURE _____

☐ NO TREATMENT RECOMMENDED
COMMENTS☐ TREATMENT SUGGESTED

SHORELINE OILING SUMMARY (ANAO)

40/91
REVISION NO. 04/12/86

OG CAL LARSON USCG DREHER, CWE SEGMENT ST/ 6200.7
 BIO KEN CATCHER LAND REP STREAM: NO NUMBER OF
 EXXON DARRELL YOE ADFG RAK QUINN-AIMEE WESEMAN TIME 6:40/17:00
 TEAM NO. 74 TIDE LEVEL +3 FT DATE 4/23/90
 EST. SUBDIVISION LENGTH: 50 m ☐ Sun ☒ Clouds ☐ Fog ☐ Rain ☐ Snow
 UPLANDS DESCRIPTION: ☒ Grass ☐ Forest ☐ Rock
 SURVEYED FROM: ☒ Foot ☐ Boat ☐ Helo
 SURFACE SEDIMENTS: R 0 % B 0 % C 50 % P 50 % G 0 % S 0 % M 0 % V 0 %
 SLOPE: Long 100 % Hang 0 % Vert 0 % WAVE EXPOSURE: ☒ Low ☐ Med ☐ High
 OIL CATEGORY LENGTH: W 0 m M 0 m N 3 m VL 0 m NO 47 m

SURFACE OIL

CHARACTER	DISTRIBUTION				OIL / FILM COLOR				IMPACTED ZONES			
	R	B	P	N	1	2	3	4	SU	U	NE	U
ASPHALT PAVEMENT	✓					✓						✓
POOLED												
COVER												
COAT												
STAIN												
MOUSSE												
PATTIES				✓		✓						✓
TARBALLS												
FILM												
NO OIL									✓	✓		✓

PAVEMENT H F (S) 6 sq. m by .3 mPATTIES / TARBALLS 2 BAGS

NEAR SHORE SHEEN? NO BR RW (S) TL

OILED DEBRIS	AMOUNT		
	SM	MD	LG
Logs			
Vegetation			
Trash			
Debris			

Did you collect DEBRIS
☐ YES ☐ NO

TYPE _____

#BAGS _____

Photographs:

Roll No. 6Frames 1-5

SUBSURFACE OIL

PIT NO.	PIT DEPTH (cm)	SUBSURFACE OIL CHARACTER					OILED INTERVAL	BELOW		OIL / FILM COLOR				PIT ZONE				A N A	GREEN (Y/N)	V	SURFACE - SUBSURFACE SEDIMENTS
		OP	OR	OL	OF	NO		VO	VG	1	2	3	4	SU	U	NE	U				
1	14					✓	.								✓				N		CB, PO, CO, PO
2	10					✓	.								✓				N		CB, PO, CO, PO
							.														
							.														
							.														
							.														
							.														

COMMENTS NO STREAM NUMBER AT THIS SITE. VERY LITTLE OIL.REVIEWED JWDATE 4-26-90

ACE 7354134

4/1/91
SEGMENT ST/6290

SKETCH MAP

STREAM NO. NUMBER

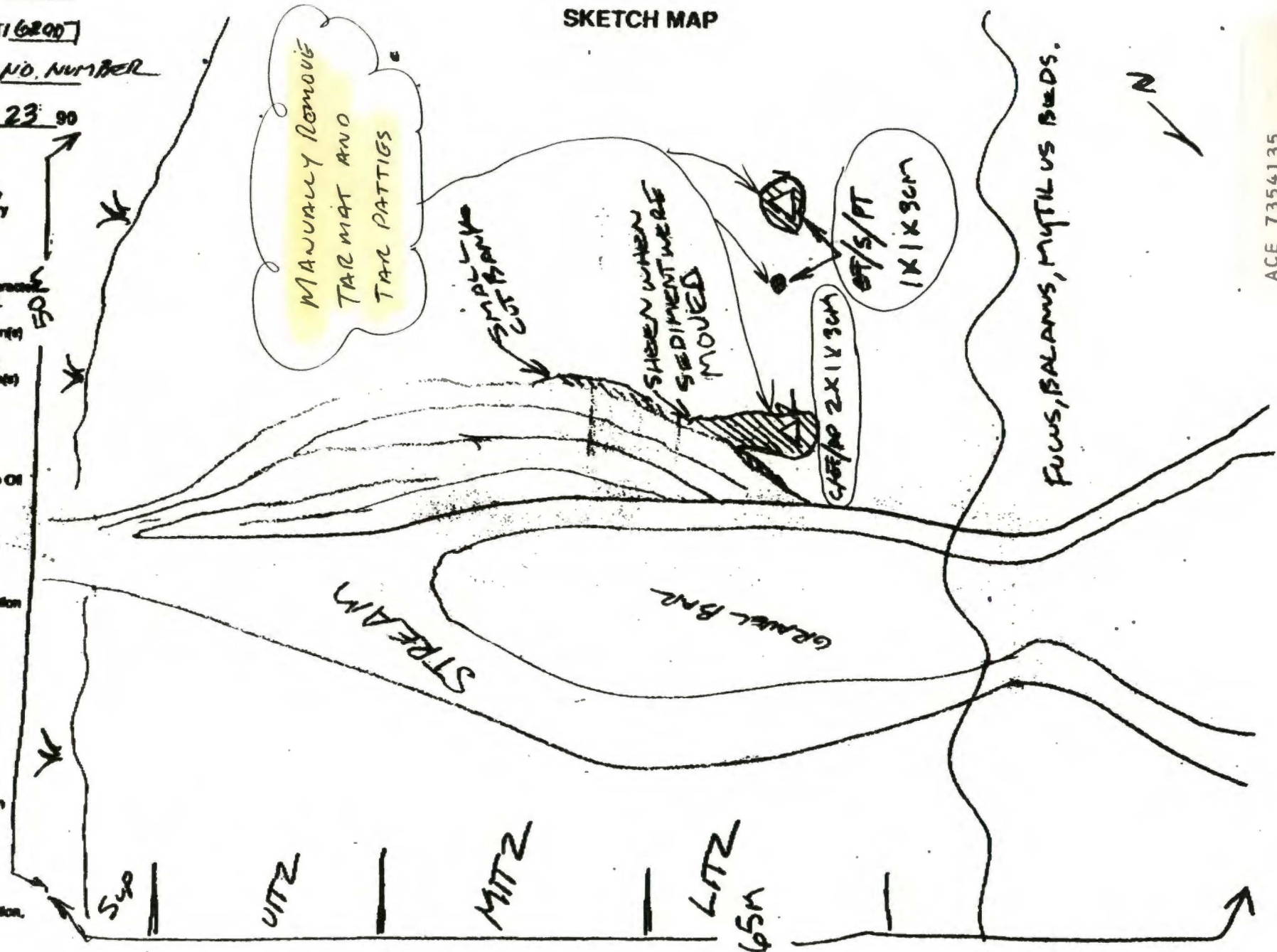
DATE 4 123 90

CHECKLIST

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

LEGEND

- 1 Δ
PH - No Subsurface Oil
- 2 Δ
PH - Subsurface Oil
- CT/C
Continuous Distribution
- CT/D
Broken Distribution
- CT/P
Patchy Distribution
- CT/S
Splashed Distribution
- eee
Oiled Vegetation
- 100
Photo location, direction, and number



Oil Character Length (m): AP 2 PO CV CT ST MS PT 1 TB FL NO

ECOLOGICAL MAP

1A 11
2M, 5-5, 6Y, 7II, 7Z

GF

ANADROMOUS STREAM
UNCATALOGUED
BY ADEG
LOCATED WITHIN

GR-07-A(1 of 4)

GR-07

XXXX Wide

//// Medium

---- Narrow

TTTT Very Light

GR-7

ADEC Segment Length: 933m

Map Key: PWS-263

Name: San Francisco Bay

Date: March 20/1970

ACE 7354139 / 5/56/56

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: 4/11/90

15 HIGH TIDE TIMES: 1

21 TEAM RECORDER: _____

4 START TIME: 0815

16 HIGH TIDE HTS: 1

22 OBSERVERS: TOM CROWL

5 STOP TIME: 0845

17 LOW TIDE TIMES: 1

23 AGENCY: ADF+G

6 SEGMENT #: GR007

18 LOW TIDE HTS: 1

24 PHOTOS TAKEN: Y N

7 STATION #: _____

19 TIDE HT AT SURVEY: _____

Roll #: _____ Frame: _____

8 K-UNIT: _____

Ebb Slack Flood Slack

25 VIDEO TAKEN: Y N TAPE#: _____

9 STAT AREA: _____

20 USCG QUAD: SEWARD B-2

Start: _____ End: _____

10 LAT: _____

11 LONG: _____

26 SAMPLES TAKEN? Y N Number

12 SOURCE: Map Loran

Oil _____

13 LOCATION: GREEN ISLAND

Sediment _____

14 DESCRIPTION: _____

Biological _____

Water _____

EXTENT OF OIL

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

36 CATALOGED ANAD. FISH SREAM? Y N

37 CATALOG #: NONE

38 STREAM NAME: NONE

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: SEE MAP

30 OVERALL OIL IMPACT: N VL L H 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 X

Gravel X Sand _____ Mud/silt _____

43 ANADROMOUS FISH PRESENT? Y N

44 ANADROMOUS FISH OBSERVATION

Species Aerial Ground

COMMENTS: LARGE PATCH OF TARED GRAVEL LEFT SIDE OF
CREEK FACING DOWNSTREAM. RECOMMEND SHOVEL REMOVAL.
POSSIBLE ANADROMOUS STREAM AND SHOULD BE OBSERVED
DURING PEAK OF SPAWNING TIMES.

FRAME(S)

DESCRIPTION

48 OIL DISTRIBUTION DIAGRAM

GROOF
NO ASC

ASPHALT

Sample taken
Photo frame # and
shot direction.

4/11/90

ACE 7354162
-16751AC/HF

CATALOG NUMBER: 227UNCAT01
STREAM NAME:
LOCATION: GREEN ISLAND, NORTH SIDE

SEGMENT NUMBER: GR007 A
SHORELINE TYPE:
DATE: 04/11/90 TIME: BEACH-0845

SITE	WIDTH (m)	LENGTH (m)	AREA (sqm)	PERCENT OIL	THICKNESS (cm)	PENETRATION (cm)	SURFACE SUBSURF	OIL TYPES	COMMENTS
1							SURFACE	AP	

COMMENTS:

LARGE PATCH OF TARRD GRAVEL LEFT SIDE OF CREEK FACING DOWNSTREAM. RECOMMEND SHOVEL REMOVAL. POSSIBLE ANADROMOUS STREAM AND SHOULD BE OBSERVED DURING PEAK OF SPAWNING TIMES. OIL ON STREAM
BANKS: YES OIL WITHIN 1 MILE OF
STREAM: YES, SEE MAP

CATALOG NUMBER: 227UNCAT01
STREAM NAME:
LOCATION: GREEN ISLAND, NORTH SIDE

SEGMENT NUMBER: GR007 A
SHORELINE TYPE:
DATE: 04/23/90 TIME: BEACH-1700

SITE	WIDTH (m)	LENGTH (m)	AREA (sqm)	PERCENT OIL	THICKNESS (cm)	PENETRATION (cm)	SURFACE SUBSURF	OIL TYPES	COMMENTS
1	1	2	2	—	1	2	SURFACE	TB	WEST SIDE OF FLOOD HORN, UPSTREAM OF CHANNEL DIVERGENCE; SCATTERED TAR PATTIES IN WHITE AND WHITE, AT 1+2 SHOW SURFACE OIL.

COMMENTS:

SCATTERED TAR PATTIES 1-2 CM DEEP ON LSFDS - APPROX 2 SQUARE METERS IN SIZE IN UITS.
RECOMMENDATIONS: MANUAL REMOVAL OF TAR PATTIES ON LSFD - SOUTH SIDE. ALON BANKS.
STREAM-BANKS: YES
MILE OF STREAM: YES

~~OIL ON~~
OIL WITHIN 1

Pre-ASAP

ANADROMOUS FISH STREAMS/OILING CONDITION
PWS

Segment # GR-07 ASC# uncatalogued Location N. Green I

Date 8/12/90 Recorder/Observer Aimee Weseman

Oil in streambed none sighted Oil on streambanks

Oil within 50m of mouth yes Anadromous Fish present yes

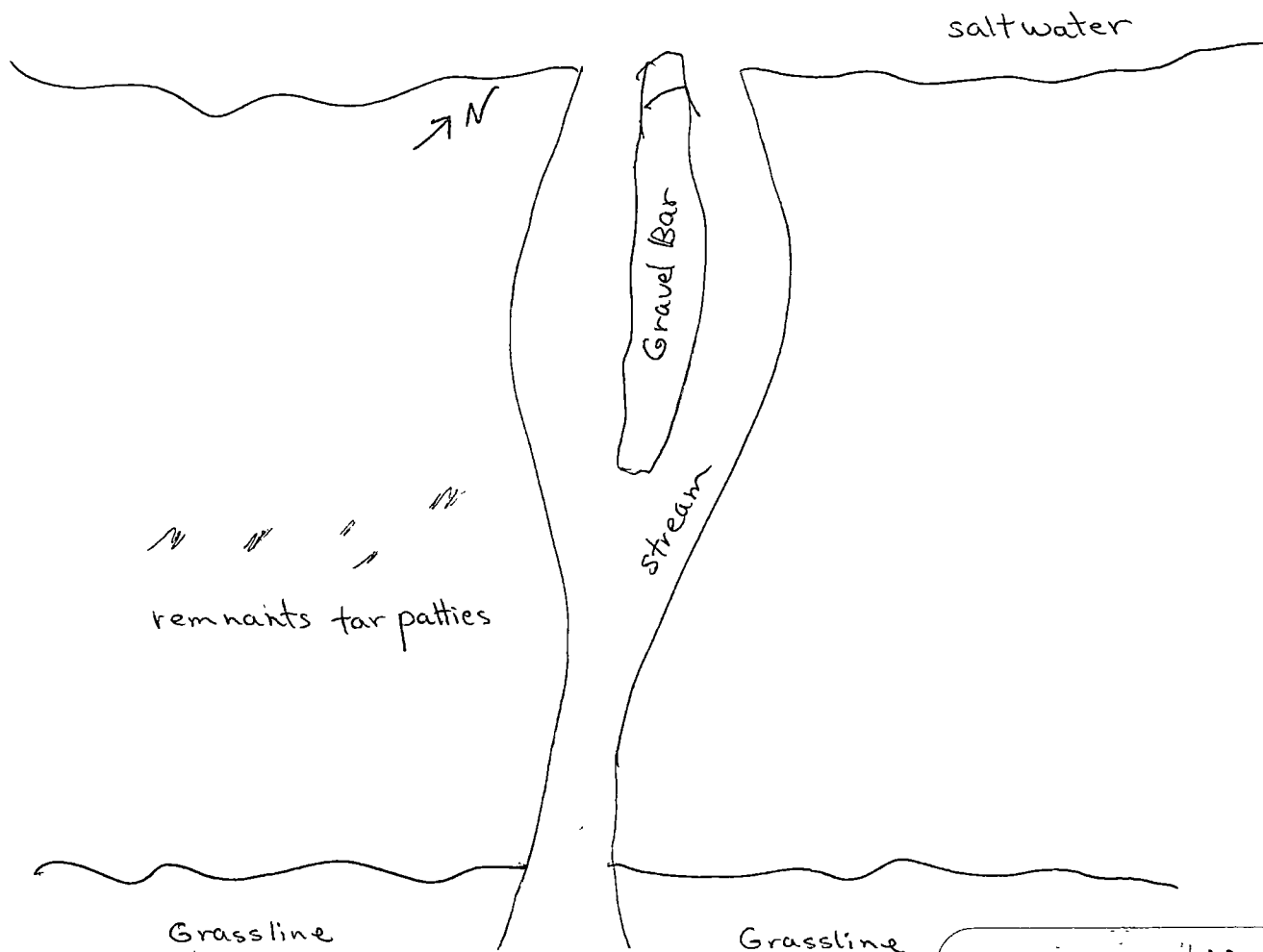
50 pinks in Intertidal portion, a school off the mouth

5 carcasses on stream banks
Description of oil and comments

remnants of tar patties on left side of stream, facing
down stream.

Rec- Re-assess in the spring

Oil Distribution Diagram



ACE 7354095 + AC

ANADROMOUS FISH STREAMS/OILING CONDITION
PWS

Segment # GR-07 ASC# Uncatalogued Location N. Grawn I.

Date 8/12/98 Recorder/Observer Aimee Weseman

Oil in streambed none ^{sighted} Oil on streambanks NO

Oil within 50m of mouth yes Anadromous Fish present yes

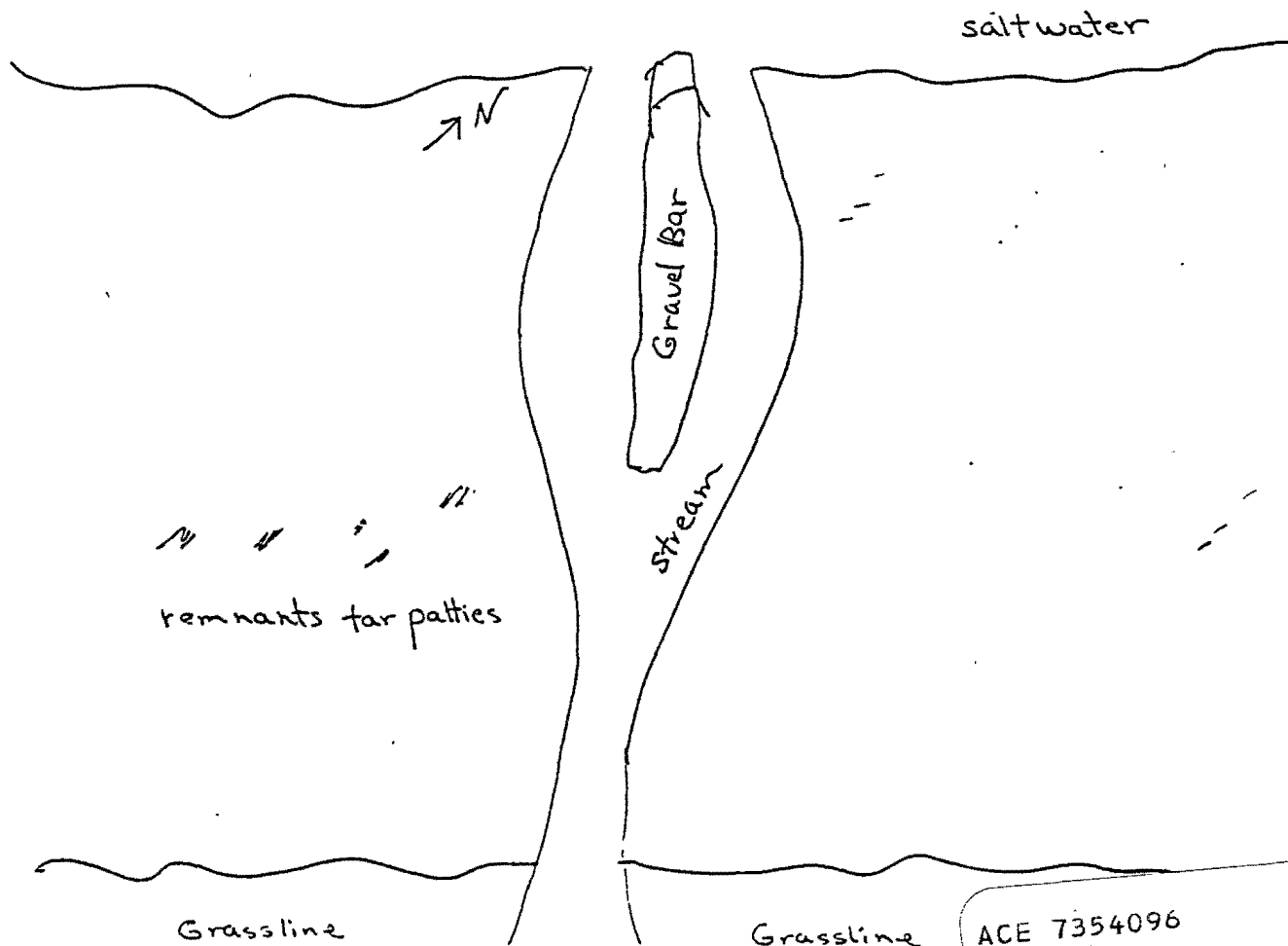
50 pinks in Intertidal portion, a school off the mouth

Scarcusses on stream banks
Description of oil and comments

remnants of tar patties on left side of stream facing
down stream

Rec- Re-assess in the spring

Oil Distribution Diagram



ACE 7354096

FIELD SHORELINE COMMENT SHEET

ASAP survey
A

DW

SEGMENT AS/ GR-7 SUBDIVISION: ANAD. STREAM SITE: 2 DATE 7/31/90

JSCG/NOAA PSI Leo Bersalona USCG Les Bersalona

NAME ART WEINER SIGNATURE Art Weiner

☐ YES ☒ NO PRIORITY SITE FOR REASSESSMENT IN 1991

REASON:

1990 FOLLOW-UP TREATMENT SHOULD REMOVE ALL REMAINING OIL.

ADEC

NAME Wesley Ghormley SIGNATURE Wesley Ghormley

☐ YES ☒ NO PRIORITY SITE FOR REASSESSMENT IN 1991

REASON:

No Reassessment in 1991 will be necessary if additional work modification work is completed. Monitors should assess area upon completion of work.

LAND MANAGER

NAME John Ebel SIGNATURE John Ebel

☐ YES ☒ NO PRIORITY SITE FOR REASSESSMENT IN 1991

REASON:

Complete work modification as requested. Monitors should evaluate all sites before denubilitation.

EXXON

NAME Ray Sotelo SIGNATURE Ray Sotelo

☐ YES ☒ NO PRIORITY SITE FOR REASSESSMENT IN 1991

REASON:

Manually till and apply customblend in area shown on sketch map. No follow-up should be necessary if work is completed in '90.

NAME <u>H. H. P. 2</u>	EXAMINER <u>SOTERO, RAY</u>	SEGMENT AS <u>GR 7</u>
CG CHANNEL <u>GREG</u>	USGS <u>BERNALONA, LEO</u>	SUBDIVISION <u>ANAD STREAM</u>
ADEC <u>GHEBNEY, WES</u>	LAND REP. <u>EBEL, JOHN</u>	TOTAL NO. SITES <u>1</u>
DATE <u>July 1 31 190</u>	TIME <u>14:05 to 16:30</u>	TIDE LEVEL <u>6 to 6.5</u>

SURVEYED FROM: ☒ Foot ☐ Boat ☐ Helo WEATHER: ☐ Sun ☒ Clouds ☐ Fog ☐ Rain ☐ Snow
OIL CATEGORY LENGTH: W m M m N 5 m VL m NO m US m

SITE 1**SITE 2**

SITE 3

CHARACTER	DISTRIBUTION				OILED ZONES			
	/C	/B	/P	/S	SU	UI	MI	LI
ASPHALT								✓
S.O.R.				X		X		
POOLED								
COVER			X			X		
COAT			X			X		
STAIN								
MOUSSE								
PATTIES/T.B.								
FILM								
NO OIL					X		X	
EST. SITE LENGTH					5m			

[illegible]

Roll No. NONE

Frames_____

REVIEWED
8/7/90 YW

COMMENTS Oiled sediments still produce a sheen when put into water. Small amount of shallow subsurface oil is present.

SECRET ST 08-07

SUBDIVISION Alaska

DATE March 1, 20/90

CHECKLIST

- ☒ 1. N Area
- ☒ 2. Approx. Size
- ☒ 3. Bay/Inlet Body
- ☒ 4. Oil Spill
- ☒ 5. Width
- ☒ 6. Length
- ☒ 7. % Cover
- ☒ 8. Distance (km)
- ☒ 9. E. of W. (km)
- ☒ 10. S. of N. (km)
- ☒ 11. Public Land (km)
- ☒ 12. Private Land (km)
- ☒ 13. Private Land (km)

LEGEND

1A
PT - No Substrate Oil

1A
PT - Substrate Oil

CT/C
Oil Spill Distribution

CT/B
Oil Spill Distribution

CT/P
Oil Spill Distribution

CT/S
Oil Spill Distribution

CT/L
Oil Spill Distribution

CT/V
Oil Spill Distribution

CT/W
Oil Spill Distribution

CT/X
Oil Spill Distribution

CT/Y
Oil Spill Distribution

CT/Z
Oil Spill Distribution

ACE 7354113

Character Length

AP — PO — CV 2m CT 2m ST 2 MB — PT — TB — PL 2 MO —

SKETCH MAP

TO BE CLARIFIED
BY ADFAC
PRIOR TO TREATMENT

Width of Oil zone
length (if applicable)
4.20
CT/P
Distribution
Oil Character

Box To
within 100 YDS
From Stream

ASAP NOTATION
JULY 31 1990 CHINNEY
THIN SURFACE
SOR/S
LAYER

HwL, Snow
Line

Angular ch/pb PB	Angular ch/pb/sd PB	Sand, mud, oil/gums
2m	20m	15m

15/16	Fucus	Fucus	Mil3
2m	2m	45m	5m

Submerged ch/pb
over sand

12000000000

SKETCH MAP

SEGMENT ST/6200

STREAM NO. NUMBER

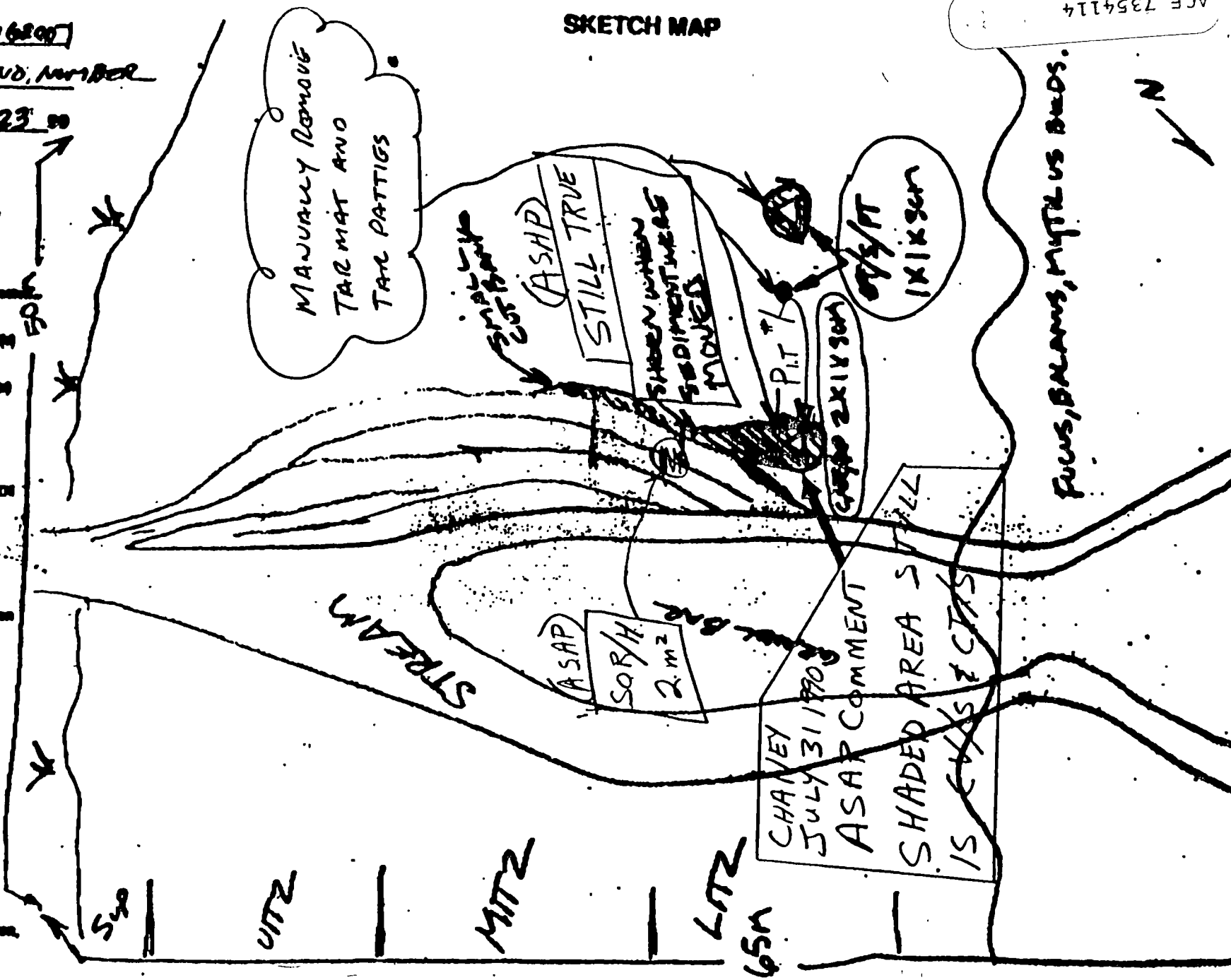
DATE 4/23/80

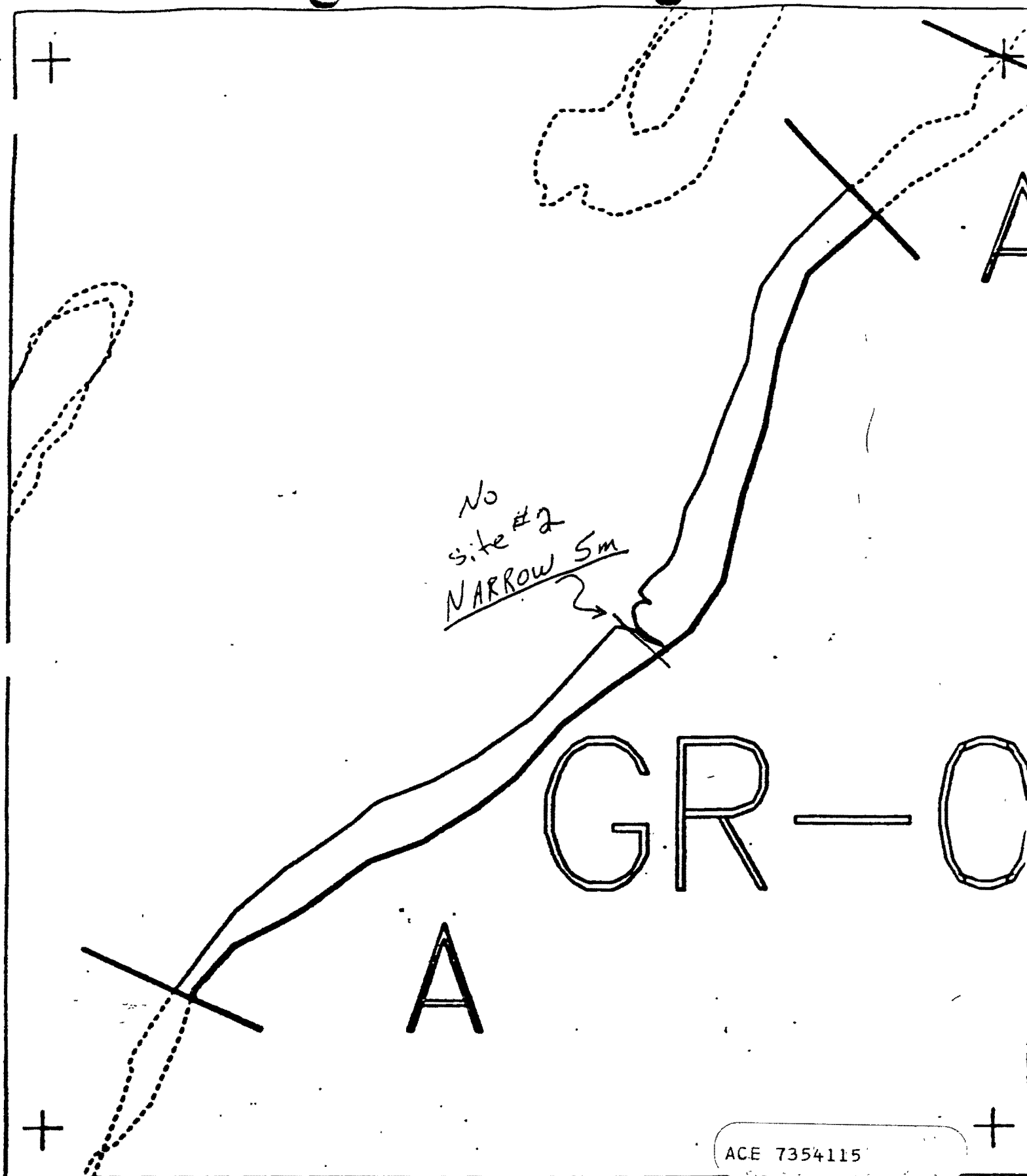
CHECKLIST

- W Area
- Approx. Scale
- Spot/Tab Study
- Ch. Dist.
- Veget.
- Length
- W. Cover
- Substrate Character
- Est. WYLA/L
- Soil
- Profile Location(s)
- Profile(s)
- Pit Location(s)
- Photo Location(s)

LEGEND

- ▲
- PI - No Substrate Ch.
- ▲
- PI - Substrate Ch.
- CT/C
- Controlled Distribution
- CT/B
- Broken Distribution
- CT/P
- Patchy Distribution
- CT/S
- Spotted Distribution
- eee
- Old Vegetation
- Photo location, direction, and number





ACE 7354115

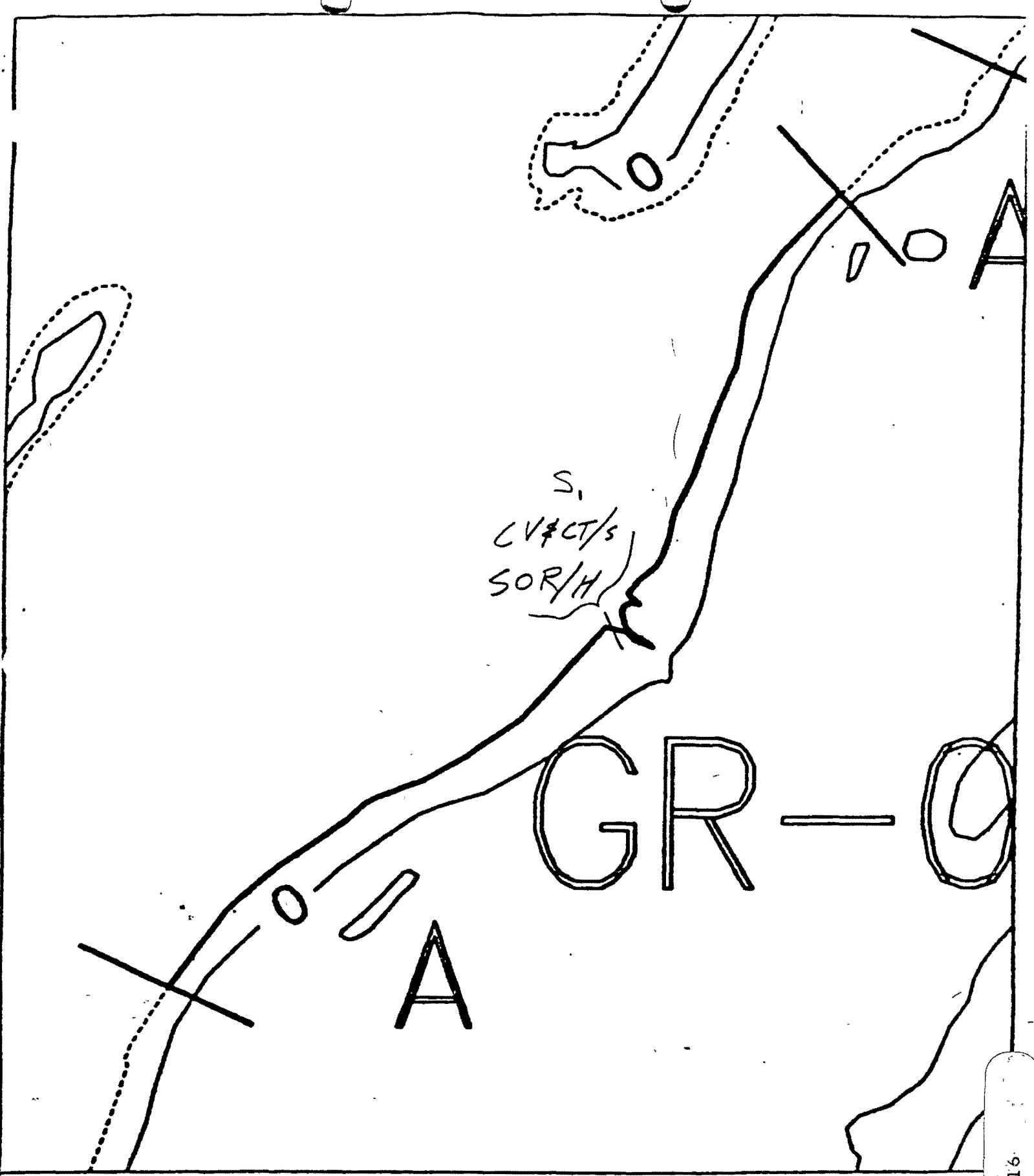
XXXX Wide
//// Medium
---- Narrow
TTTT Wave Line

GR-7 A
ADEC Subsegment Length: 933m
METERS



Subdivision Field Map
Map Key: PWSGR-7A
Name: CHANEY

Date: July 31, 1990



SEGMENT GR-7

Segment Location Map

Map Key: PWSGR-7

July 19, 1990

METERS

ACE 7354116

GENERAL DATA

A
ANADSTACAW No Number

SEG ID: GR-7 SBOV: ✓ SITE: 2 TEAM: 2 DATE: 7/31/90
SITE LGTH 5 OIL CATEGORIES: W M N 5 VL NO U
1991 REASSESSMENT: USEC: AL ADEC: N LDMGR: N EXXON: N
NOAA

SURFACE DATA

CHAR #: 1 OIL CHAR: SOR OIL DIST: CONT BRKN PTCH SPLH ✓
TIDAL ZONE: SU UI ✓ MI LI

CHAR #: 2 OIL CHAR: CU OIL DIST: CONT BRKN PTCH ✓ SPLH
TIDAL ZONE: SU UI ✓ MI LI

CHAR #: 3 OIL CHAR: CT OIL DIST: CONT BRKN PTCH ✓ SPLH
TIDAL ZONE: SU UI ✓ MI LI

CHAR #: 4 OIL CHAR: NO OIL DIST: CONT BRKN PTCH SPLH
TIDAL ZONE: SU X UI X MI LI

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

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

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

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

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

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

ASAP DATA ENTRY FORM

SUBSURFACE DATA

PAGE 2 OF 2

SEGMENT ID: GR 7 SUBDIV: ANAD SITE: 2

PIT # 1 PIT DEPTH 25 OIL CHARACTER OR OIL INTVAL: FROM 0 TO 10
 CLEAN BELOW: X PIT ZONE: SU UI MI LI
 SUBSURF SEDIMENT: BRK BLD COB PEB GRN SAN MUD VEG

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

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

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

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

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

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

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

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

ACE 7354118

A.S.A.P.

GR 7-anad
site 1

August 5, 1990

ADEC recommends the following treatment:

- 1) Manually till area of oil contamination.
- 2) Customblen. (Application should be approved by ADF&G)
- 3) Reassess in 1991.
- 4) Manually remove if oiled sediments are present.

FIELD SHORELINE COMMENT SHEET

SEGMENT AS GR 7 SUBDIVISION: A SITE: 1 DATE 7-31-90USEG NOAA PS1 Leo Bersalona USCG Leo BersalonaNAME ART WEINER SIGNATURE Art Weiner☐ YES☒ NO

PRIORITY SITE FOR REASSESSMENT IN 1991

REASON:

PROPOSED WORK IN CONJUNCTION WITH WINTER WEATHERING WILL REMOVE REMAINING OIL.

ADEC

NAME Wesley Ghormley SIGNATURE Wesley Ghormley☐ YES☒ NO

PRIORITY SITE FOR REASSESSMENT IN 1991

REASON:

Due to the small amount of oil present I believe a proper effort of manual tilling and application of custom blend should take care of the remaining oil. No treatment would be recommended at this time if additional work modification work is completed.

LAND MANAGER

NAME John Ebel SIGNATURE John Ebel☐ YES☒ NO

PRIORITY SITE FOR REASSESSMENT IN 1991

REASON:

Small area, lite oiling, complete treatment in '90 w/ manual tilling.

EXXON

NAME REY SUTEL SIGNATURE Rey Sutel☐ YES☒ NO

PRIORITY SITE FOR REASSESSMENT IN 1991

REASON:

No reassessment is necessary in '91 if work is completed as stated on work modification plan for '90.

G.R 007-A

AS# "Uncat"

ACE 7354097 +/S

SEGMENT AS / GR-7 SUBDIVISION: ANAD. STREAM SITE: 2 DATE 7/31/90

USCG/NOAA PSI Leo Bersalona USCG Leo Bersalona
NAME ART WEINER SIGNATURE Art Weiner

☐ YES ☒ NO PRIORITY SITE FOR REASSESSMENT IN 1991
REASON:

1990 FOLLOW-UP TREATMENT SHOULD REMOVE ALL REMAINING OIL.

ADEC

NAME Wesley Ghormley SIGNATURE Wesley Ghormley

☐ YES ☒ NO PRIORITY SITE FOR REASSESSMENT IN 1991
REASON:

No Reassessment in 1991 will be necessary if additional work modification work is completed. Monitors should assess area upon completion of work.

LAND MANAGER

NAME John Ebel SIGNATURE John Ebel

☐ YES ☒ NO PRIORITY SITE FOR REASSESSMENT IN 1991
REASON:

Complete work modification as requested. Monitors should evaluate all sites before demobilization.

EXXON

NAME Ray Soto SIGNATURE Ray Soto

☐ YES ☒ NO PRIORITY SITE FOR REASSESSMENT IN 1991
REASON:

Manually till and apply custumblend in area shown on sketch map. No follow-up should be necessary if work is completed in '90.

ASAP SHORELINE OILING SUMMARY

NAME ADP-2 CHANEY GREG CHORMLEY, WES DATE 7/31/90
 OG CHANEY GREG USGS PERSONNEL LAND REP EDEL, JOHN TIME 16:30 to 16:45
 ADEC CHORMLEY, WES SECTION 7 SUBDIVISION A TOTAL NO. SITES 2
TIDE LEVEL 6.5 to 6.5
 TOTAL EST LENGTH OF SHORELINE SURVEYED: 10 m
 SURVEYED FROM: ☒ Foot ☐ Boat ☐ Helo WEATHER: ☐ Sun ☒ Clouds ☐ Fog ☐ Rain ☐ Snow
 OIL CATEGORY LENGTH: W m M m N m VL m NO m US m

SURFACE OIL

SITE 1 NOT VISIBLE

SITE 2

SITE 3

CHARACTER	DISTRIBUTION				OILED ZONES			
	/C	/B	/P	/S	SU	UI	MI	LI
ASPHALT								Y
S.O.R.				X		X		
POOLED								
COVER								
COAT								
STAIN								
MOUSSE								
PATTIES/T.B.								
FILM								
NO OIL					X		X	
EST. SITE LENGTH					10m			

CHARACTER	DISTRIBUTION				OILED ZONES			
	/C	/B	/P	/S	SU	UI	MI	LI
ASPHALT								
S.O.R.								
POOLED								
COVER								
COAT								
STAIN								
MOUSSE								
PATTIES/T.B.								
FILM								
NO OIL								
EST. SITE LENGTH								

CHARACTER	DISTRIBUTION				OILED ZONES			
	/C	/B	/P	/S	SU	UI	MI	LI
ASPHALT								
S.O.R.								
POOLED								
COVER								
COAT								
STAIN								
MOUSSE								
PATTIES/T.B.								
FILM								
NO OIL								
EST. SITE LENGTH								

SUBSURFACE OIL

SITE NO.	PIT NO.	PIT DEPTH (cm)	SUBSURFACE OIL CHARACTER				OILED INTERVAL	CLEAN BELOW (Y/N)	PIT ZONE				SURFACE-SUBSURFACE SEDIMENTS
			OP	OR	OF	NO			SU	UI	MI	LI	
1	1	15				X	0/5	Y	X				PS-SP
							.						
							.						
							.						
							.						
							.						
							.						
							.						
							.						
							.						
							.						
							.						
							.						
							.						
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Photographs:

Roll No. NONE

Frames

REVIEWED
8/7/90 YU

COMMENTS Surface oiling is a blend of sand and oil which creates a semi cohesive material but it is still SOR. Area seems to have been manually worked.

NAME H. J. P. 2 NAME SOTELO, RAY SECTION GR 7
 OG CHANFEL GREG USGS BERSALONA, LEO SUBDIVISION ANAD STREAM
 ADEC GHERMILEY, WES LAND REP EBEL, JOHN TOTAL NO. SITES 1
 DATE July 31, 1990 TIME 16:05 to 16:30 TIDE LEVEL 6 to 6.5
 TOTAL EST LENGTH OF SHORELINE SURVEYED: 5 m
 SURVEYED FROM: ☒ Foot ☐ Boat ☐ Helo WEATHER: ☐ Sun ☒ Clouds ☐ Fog ☐ Rain ☐ Snow
 OIL CATEGORY LENGTH: W m M m N 5 m VL m NO m US m

SITE 3

[illegible][illegible]

Frames_____

REVIEWED
8/7/90 YU

COMMENTS Oiled sediments still produce a sheen when put into water. Small amount of shallow subsurface oil is present.

4/1/4

SEGMENT ST/6200

STREAM NO. NUMBER

DATE 4/23/90

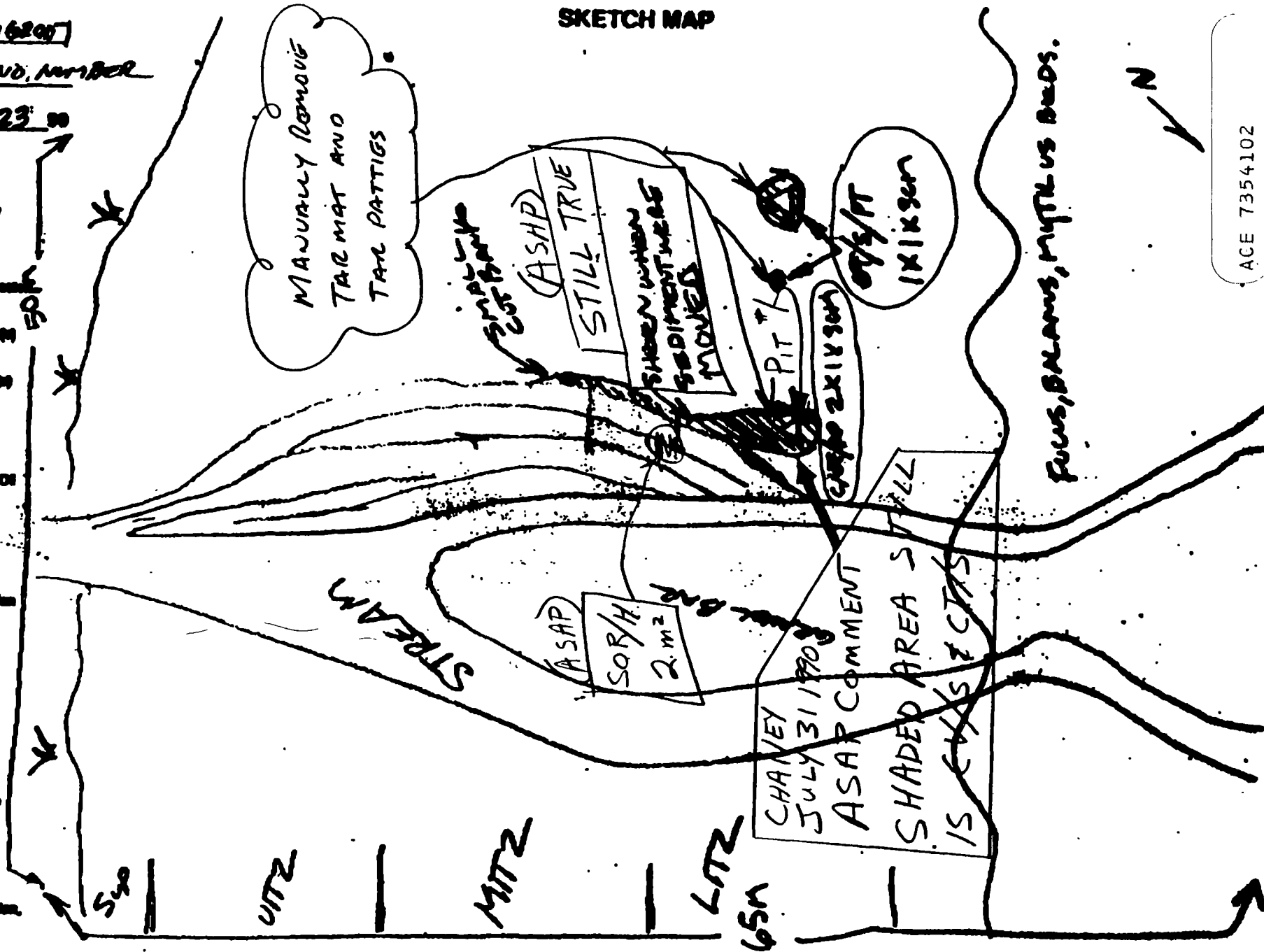
CHECKLIST

- ☐ N Area
- ☐ Approx. Size
- ☐ Sediment Study
- ☐ Oil Int.
- ☐ Width
- ☐ Length
- ☐ % Cover
- ☐ Substrate Character
- ☐ Est. WILLOW
- ☐ Silt
- ☐ Profile Location(s)
- ☐ Profile(s)
- ☐ Pit Location(s)
- ☐ Photo Location(s)

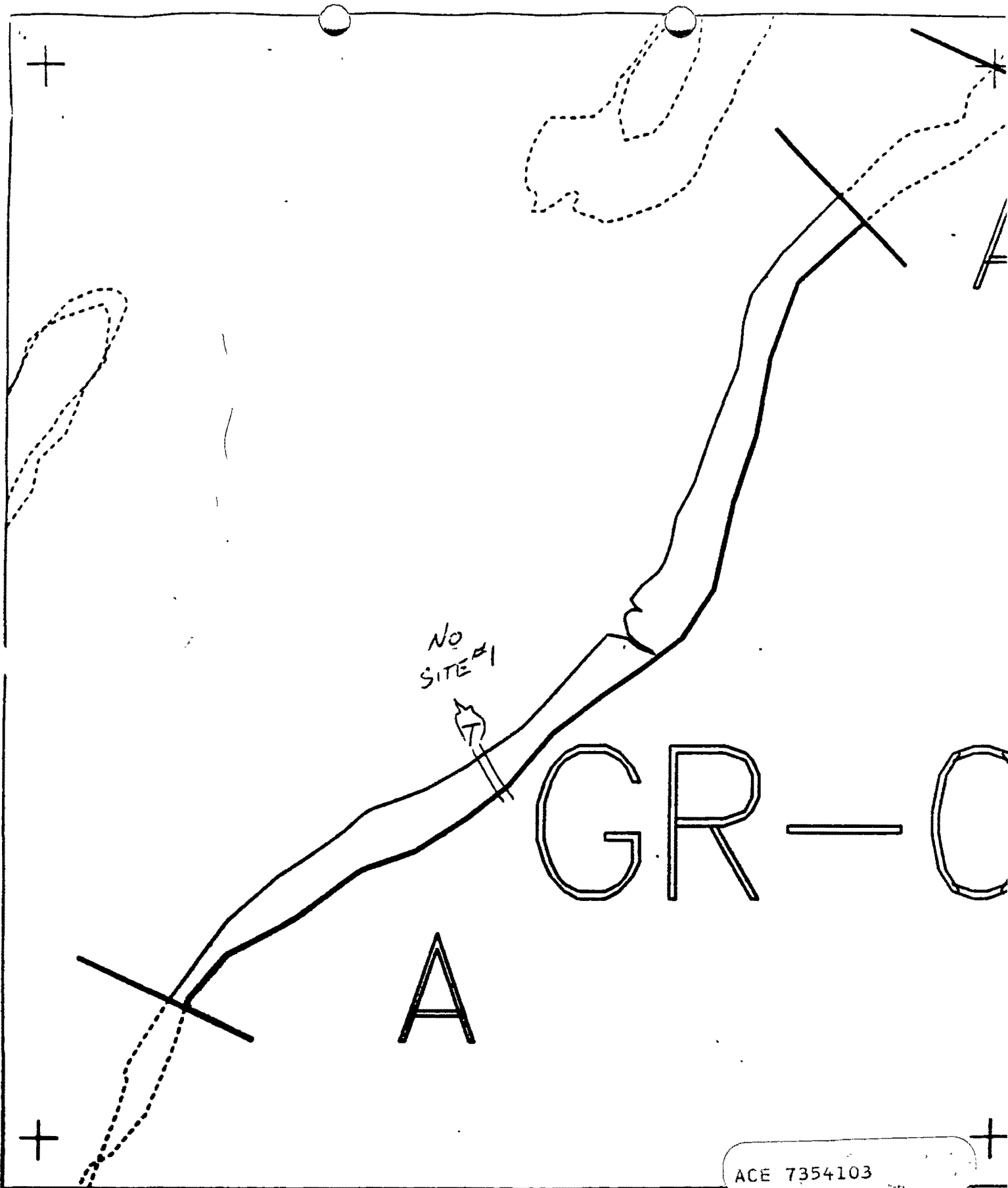
LEGEND

- 1 Δ
Pit - No Subsurface Oil
- 2 Δ
Pit - Subsurface Oil
- CT/C
Current Distribution
- CT/B
Bottom Distribution
- CT/P
Peculiar Distribution
- CT/S
Spotted Distribution
- eee
Old Vegetation
- Photo location, direction, and number

SKETCH MAP



Oil Character Length (m): AP 2 PO OV OT ST MB PT TB FL NO



ACE 7354103

Subdivision Field Map

Map Key: PWSGR-7A

Name: _____

Date: _____

XXXX Wide
 //// Medium
 ---- Narrow
 TTTT Very Light
 OOOO No. 011

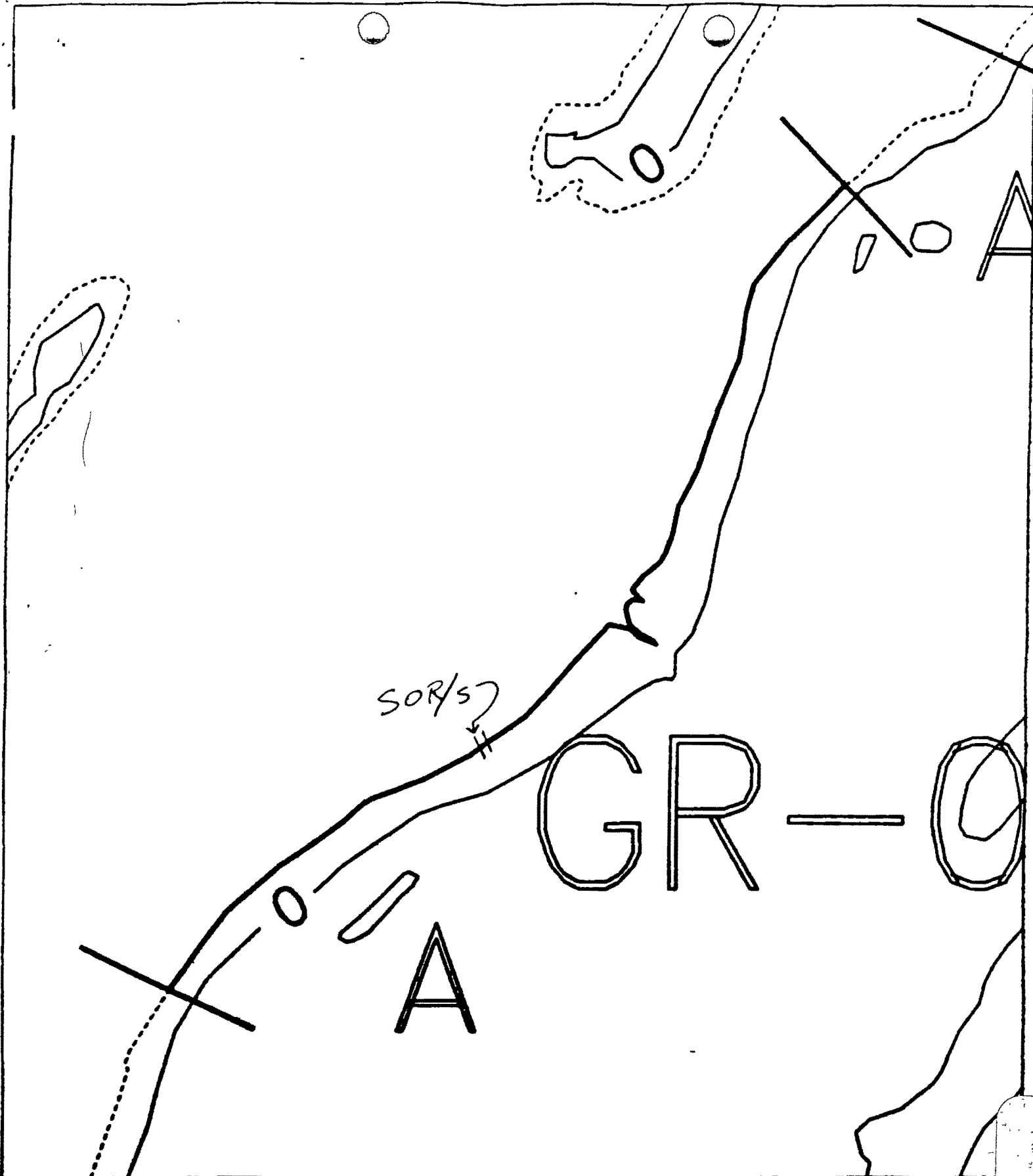
GR-7 A

ADEC Subsegment Length: 933m

METERS

0 410 820

AK State Class Pass A 1-1110



SEGMENT GR-7

Segment Location Map

Map Key: PWSGR-7

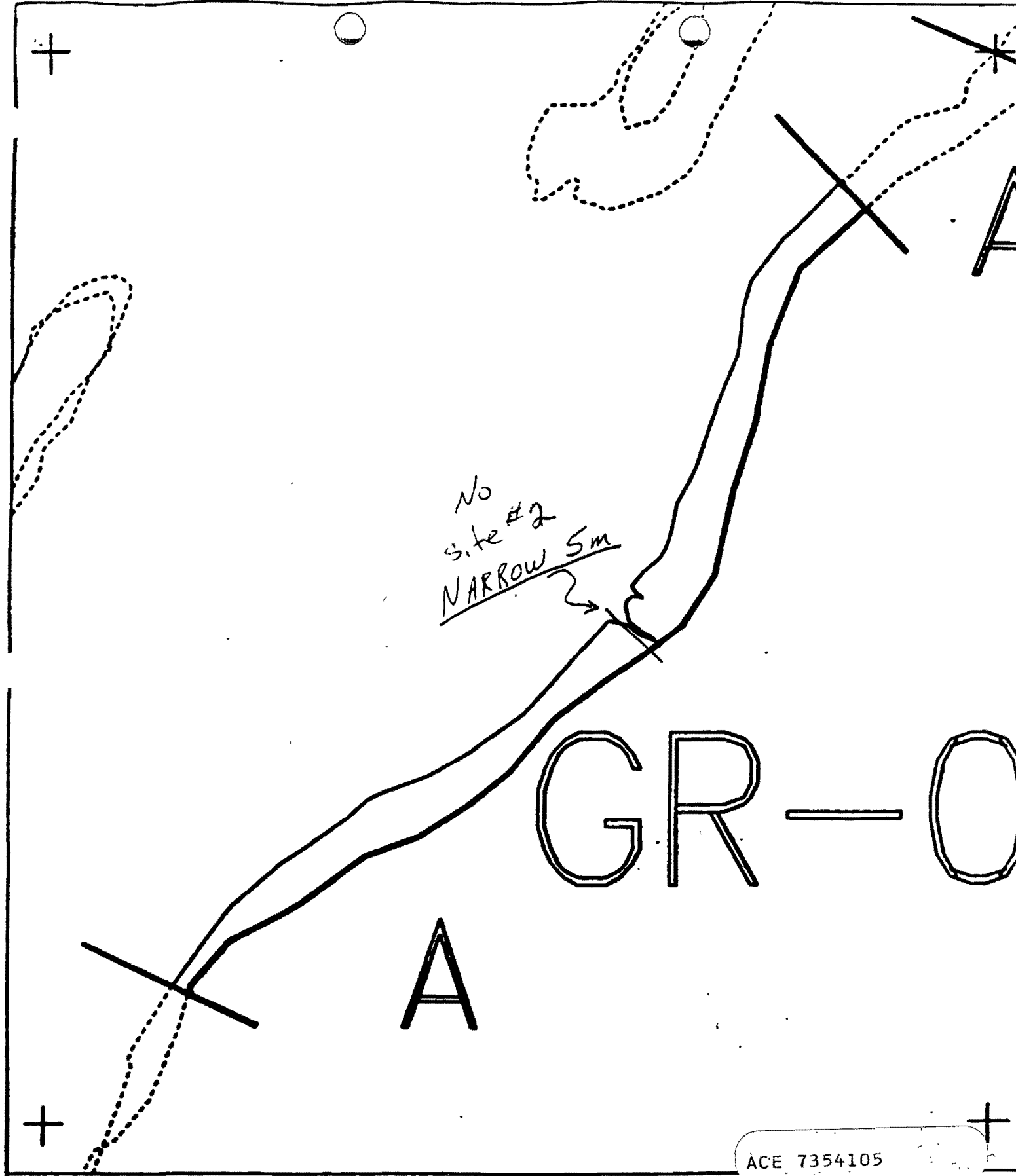
July 10, 1990

1:4332

METERS



ACE 7354104



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

GR-7 A
 ADEC Subsegment Length: 933m
 METERS
 0 410 820
 AK State Plane Zone 4 1:4332

ACE 7354105
 Subdivision Field Map
 Map Key: PUSGR-7A
 Name: CHANEY
 Date: JULY 31 1990
 Date Entered:

GENERAL DATA

SEG ID: GR7 SBOV: A SITE: 1 TEAM: 2 DATE: 7/31/90
SITE LGTH 104 OIL CATEGORIES: W M N VL 10 NO U
1991 REASSESSMENT: USEG: N ADEC: N LDMGR: N EXXON: N
NOAA

SURFACE DATA

CHAR #: 1 OIL CHAR: 502 OIL DIST: CONT BRKN PTCH SPLH ✓
TIDAL ZONE: SU UI MI LI

CHAR #: 2 OIL CHAR: NO OIL DIST: CONT BRKN PTCH SPLH
TIDAL ZONE: SU X UI MI X LI

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

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

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

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

SUBSURFACE DATA

PAGE 2 OF 2SEGMENT ID: GR-7 SUBDIV: A SITE: 1PIT # 1 PIT DEPTH 15 OIL CHARACTER NO OIL INTVAL: FROM 0 TO 15
CLEAN BELOW: Y PIT ZONE: SU UI MI LISUBSURF SEDIMENT: BRK BLD COB PEB GRN SAN MUD VEGPIT # PIT DEPTH OIL CHARACTER OIL INTVAL: FROM TO CLEAN BELOW: PIT ZONE: SU UI MI LI SUBSURF SEDIMENT: BRK BLD COB PEB GRN SAN MUD VEG PIT # PIT DEPTH OIL CHARACTER OIL INTVAL: FROM TO CLEAN BELOW: PIT ZONE: SU UI MI LI SUBSURF SEDIMENT: BRK BLD COB PEB GRN SAN MUD VEG PIT # PIT DEPTH OIL CHARACTER OIL INTVAL: FROM TO CLEAN BELOW: PIT ZONE: SU UI MI LI SUBSURF SEDIMENT: BRK BLD COB PEB GRN SAN MUD VEG PIT # PIT DEPTH OIL CHARACTER OIL INTVAL: FROM TO CLEAN BELOW: PIT ZONE: SU UI MI LI SUBSURF SEDIMENT: BRK BLD COB PEB GRN SAN MUD VEG PIT # PIT DEPTH OIL CHARACTER OIL INTVAL: FROM TO CLEAN BELOW: PIT ZONE: SU UI MI LI SUBSURF SEDIMENT: BRK BLD COB PEB GRN SAN MUD VEG PIT # PIT DEPTH OIL CHARACTER OIL INTVAL: FROM TO CLEAN BELOW: PIT ZONE: SU UI MI LI SUBSURF SEDIMENT: BRK BLD COB PEB GRN SAN MUD VEG PIT # PIT DEPTH OIL CHARACTER OIL INTVAL: FROM TO CLEAN BELOW: PIT ZONE: SU UI MI LI SUBSURF SEDIMENT: BRK BLD COB PEB GRN SAN MUD VEG PIT # PIT DEPTH OIL CHARACTER OIL INTVAL: FROM TO CLEAN BELOW: PIT ZONE: SU UI MI LI SUBSURF SEDIMENT: BRK BLD COB PEB GRN SAN MUD VEG

GENERAL DATA

A
ANADSTACAM No Number

SEG ID: GR-7 SBOV: V SITE: 2 TEAM: 2 DATE: 7/31/90
SITE LGTH 5 OIL CATEGORIES: W M N 5 VL NO U
1991 REASSESSMENT: USEC: N ADEC: N LDMGR: N EXXON: N
NOAA

SURFACE DATA

CHAR #: 1 OIL CHAR: SOR OIL DIST: CONT BRKN PTCH SPLH
TIDAL ZONE: SU UI MI LI

CHAR #: 2 OIL CHAR: CU OIL DIST: CONT BRKN PTCH SPLH
TIDAL ZONE: SU UI MI LI

CHAR #: 3 OIL CHAR: CT OIL DIST: CONT BRKN PTCH SPLH
TIDAL ZONE: SU UI MI LI

CHAR #: 4 OIL CHAR: NO OIL DIST: CONT BRKN PTCH SPLH
TIDAL ZONE: SU X UI X MI LI

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

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TIDAL ZONE: SU UI MI LI

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TIDAL ZONE: SU UI MI LI

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

SUBSURFACE DATA

PAGE 2 OF 2SEGMENT ID: GR 7 SUBDIV: ANAD STREAM SITE: 2PIT # 1 PIT DEPTH 25 OIL CHARACTER OR OIL INTVAL: FROM 0 TO 10
CLEAN BELOW: Y PIT ZONE: SU UI MI LISUBSURF SEDIMENT: BRK BLD COB PEB GRN SAN MUD VEGPIT # PIT DEPTH OIL CHARACTER OIL INTVAL: FROM TO CLEAN BELOW: PIT ZONE: SU UI MI LISUBSURF SEDIMENT: BRK BLD COB PEB GRN SAN MUD VEGPIT # PIT DEPTH OIL CHARACTER OIL INTVAL: FROM TO CLEAN BELOW: PIT ZONE: SU UI MI LISUBSURF SEDIMENT: BRK BLD COB PEB GRN SAN MUD VEGPIT # PIT DEPTH OIL CHARACTER OIL INTVAL: FROM TO CLEAN BELOW: PIT ZONE: SU UI MI LISUBSURF SEDIMENT: BRK BLD COB PEB GRN SAN MUD VEGPIT # PIT DEPTH OIL CHARACTER OIL INTVAL: FROM TO CLEAN BELOW: PIT ZONE: SU UI MI LISUBSURF SEDIMENT: BRK BLD COB PEB GRN SAN MUD VEGPIT # PIT DEPTH OIL CHARACTER OIL INTVAL: FROM TO CLEAN BELOW: PIT ZONE: SU UI MI LISUBSURF SEDIMENT: BRK BLD COB PEB GRN SAN MUD VEGPIT # PIT DEPTH OIL CHARACTER OIL INTVAL: FROM TO CLEAN BELOW: PIT ZONE: SU UI MI LISUBSURF SEDIMENT: BRK BLD COB PEB GRN SAN MUD VEGPIT # PIT DEPTH OIL CHARACTER OIL INTVAL: FROM TO CLEAN BELOW: PIT ZONE: SU UI MI LISUBSURF SEDIMENT: BRK BLD COB PEB GRN SAN MUD VEGPIT # PIT DEPTH OIL CHARACTER OIL INTVAL: FROM TO CLEAN BELOW: PIT ZONE: SU UI MI LISUBSURF SEDIMENT: BRK BLD COB PEB GRN SAN MUD VEG

Aimee Weseman
ADF&G Oil Spill Response
M/V Corinthian

June 27, 1990

Re: Stream Report
Uncatalogued Anadromous Fish Stream, Seg. Gr-07, N Green I.

Treatment to this uncatalogued anadromous fish stream occurred on June 27th, 1990 and consisted of the removal of approximately 200 pounds of oiled gravel in the form of a surface tarmat and scatered patties in the mid-intertidal zone.

Jim Davis USCG, Larry Smith OOPS, and I arrived on site at 0815, located the oil and prepped the area for the crews. A crew of 5 workers and Veco foreman arrived at 0830 and quickly removed the small amount of oil present. Noticeable residual oil was tilled to encourage decomposition. Workers departed the area at 0915 and the stream segment was demobilized to my satisfaction.

Aimee Weseman

Aimee Weseman

ACE 7354140 +/S

STATE OF ALASKA

DEPARTMENT OF FISH AND GAME

STEVE COWPER, GOVERNOR

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

EXXON Valdez Oilspill Cleanup

Anadromous Fish Stream Authorization

Date 6-27-90

EXXON Authorized Representative _____

Shoreline Segment GR-7AAnadromous Fish Stream Number(s) uncataloged

Post-It™ brand fax transmittal memo 7671		# of pages
To	From	
Co.	Co.	
Dept.	Phone #	
Fax #	Fax #	

Approved Cleanup Techniques are to be in accordance with the AnadScat stream work order approved by the FOSC with special emphasis on manual removal of all oil of any form within the stream channel and bottom substrate, and on the stream banks within the high water limits. Minimize removal of stream bank substrate and surface components to that required for removing oiled materials.

Approved Cleanup Period To - 7/10/90

Alaska Department of Fish and Game

Mark M. Sewald
Authorized OfficerP. A. D. Dugan
Permittee's SignatureApproved Cleanup techniques have been reviewed and complied with: M. Dugan

EXXON Authorized Field Representative

ACE 7354141-15

4.2.5.11

File Ace

1199710

Aimee Weseman
ADF&G Oil Spill Response
M/V Corinthian

June 27, 1990

Re: Stream Report
Uncatalogued Anadromous Fish Stream, Seg. Gr-07, N Green I.

Treatment to this uncatalogued anadromous fish stream occurred on June 27th, 1990 and consisted of the removal of approximately 200 pounds of oiled gravel in the form of a surface tarmat and scattered patties in the mid-intertidal zone.

Jim Davis USCG, Larry Smith OOPS, and I arrived on site at 0815, located the oil and prepped the area for the crews. A crew of 5 workers and Veco foreman arrived at 0830 and quickly removed the small amount of oil present. Noticeable residual oil was tilled to encourage decomposition. Workers departed the area at 0915 and the stream segment was demobilized to my satisfaction.

Aimee Weseman

Aimee Weseman
ADF&G Oil Spill Response
M/V Corinthian

June 27, 1990

Re: Stream Report
Uncatalogued Anadromous Fish Stream, Seg. Gr-07, N Green I.

Treatment to this uncatalogued anadromous fish stream occurred on June 27th, 1990 and consisted of the removal of approximately 200 pounds of oiled gravel in the form of a surface tarmat and scatered patties in the mid-intertidal zone.

Jim Davis USCG, Larry Smith OOPS, and I arrived on site at 0815, located the oil and prepped the area for the crews. A crew of 5 workers and Veco foreman arrived at 0830 and quickly removed the small amount of oil present. Noticeable residual oil was tilled to encourage decomposition. Workers departed the area at 0915 and the stream segment was demobilized to my satisfaction.

Aimee Weseman



ACE 7354144

Aimee Weseman
ADF&G Oil Spill Response
M/V Corinthian

June 27, 1990

Re: Stream Report
Uncatalogued Anadromous Fish Stream, Seg. Gr-07, N Green I.

Treatment to this uncatalogued anadromous fish stream occurred on June 27th, 1990 and consisted of the removal of approximately 200 pounds of oiled gravel in the form of a surface tarmat and scattered patties in the mid-intertidal zone.

Jim Davis USCG, Larry Smith OOPS, and I arrived on site at 0815, located the oil and prepped the area for the crews. A crew of 5 workers and Veco foreman arrived at 0830 and quickly removed the small amount of oil present. Noticeable residual oil was tilled to encourage decomposition. Workers departed the area at 0915 and the stream segment was demobilized to my satisfaction.

Aimee Weseman

Aimee Weseman

Aimee Weseman
ADF&G Oil Spill Response
M/V Corinthian

June 27, 1990

Re: Stream Report
Uncatalogued Anadromous Fish Stream, Seg. Gr-07, N Green I.

Treatment to this uncatalogued anadromous fish stream occurred on June 27th, 1990 and consisted of the removal of approximately 200 pounds of oiled gravel in the form of a surface tarmat and scattered patties in the mid-intertidal zone.

Jim Davis USCG, Larry Smith OOPS, and I arrived on site at 0815, located the oil and prepped the area for the crews. A crew of 5 workers and Veco foreman arrived at 0830 and quickly removed the small amount of oil present. Noticeable residual oil was tilled to encourage decomposition. Workers departed the area at 0915 and the stream segment was demobilized to my satisfaction.

Aimee Weseman

Aimee Weseman
ADF&G Oil Spill Response
M/V Corinthian

June 27, 1990

Re: Stream Report
Uncatalogued Anadromous Fish Stream, Seg. Gr-07, N Green I.

Treatment to this uncatalogued anadromous fish stream occurred on June 27th, 1990 and consisted of the removal of approximately 200 pounds of oiled gravel in the form of a surface tarmat and scatered patties in the mid-intertidal zone.

Jim Davis USCG, Larry Smith OOPS, and I arrived on site at 0815, located the oil and prepped the area for the crews. A crew of 5 workers and Veco foreman arrived at 0830 and quickly removed the small amount of oil present. Noticeable residual oil was tilled to encourage decomposition. Workers departed the area at 0915 and the stream segment was demobilized to my satisfaction.

Aimee Weseman

Aimee Weseman

ACE 7354147 +/5

JUN-27-1990 10:55 FROM

EXXON COMMAND

TO

CORINTHIN P.O.

STATE OF ALASKA

DEPARTMENT OF FISH AND GAME

STEVE COWPER, GOVERNOR

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

EXXON Valdez Oilspill Cleanup

Anadromous Fish Stream Authorization

Date 6-27-90

EXXON Authorized Representative _____

Shoreline Segment GR-7AAnadromous Fish Stream Number(s) uncataloged

Post-it brand fax transmittal memo 7871			
To	From	Co.	Phone #
Darryl	Jellic		
Co.	Dept.	Fax #	

Approved Cleanup Techniques are to be in accordance with the AnadScat stream work order approved by the FOSC with special emphasis on manual removal of all oil of any form within the stream channel and bottom substrate, and on the stream banks within the high water limits. Minimize removal of stream bank substrate and surface components to that required for removing oiled materials.

Approved Cleanup Period 7/0 - 7/10/90

Alaska Department of Fish and Game

M. M. Sewald
Authorized OfficerE. A. G. G. G.
Permittee's Signature

Approved Cleanup techniques have been reviewed and complied with: M. M. Sewald
EXXON Authorized Field Representative

ACE 7354148

STATE OF ALASKA

DEPARTMENT OF FISH AND GAME

STEVE COWPER, GOVERNOR

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

EXXON Valdez Oilspill Cleanup

Anadromous Fish Stream Authorization

Date 6/25/90

EXXON Authorized Representative Daryl Yoes

Shoreline Segment GR-07

Anadromous Fish Stream Number(s) uncatalogued

Approved Cleanup Techniques as specified in the
Anad Scot stream work order approved by the
EDSC

Approved Cleanup Period 5/15/90 to 7/10/90

Aimee Weeman

Alaska Department of Fish and Game

Aimee Weeman
Authorized Officer

M. J. Uver
Permittee's Signature

ACE 7354149 -15

STATE OF ALASKA

DEPARTMENT OF FISH AND GAME

STEVE COWPER, GOVERNOR

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

EXXON Valdez Oilspill Cleanup

Anadromous Fish Stream Authorization

Date 6/25/90

EXXON Authorized Representative Daryl Yoes

Shoreline Segment GR-07

Anadromous Fish Stream Number(s) Uncatalogued

Approved Cleanup Techniques as specified in the
Anad Scat stream work order approved by the
FOSC

Approved Cleanup Period 5/15/90 to 7/10/90

Aimee Weseman

Alaska Department of Fish and Game

Aimee Weseman
Authorized Officer

M. Yoes
Permittee's Signature

ACE 7354150

ADEC DEMOBILIZATION REPORT FOR PHYSICAL/MECHANICAL TREATMENT AND CUSTOMER

To: Alaska Department of Environmental Conservation
Oil Spill Response Center
Anchorage, Alaska

Attn: John Bauer
FAX 265-4666, 265-4656

RE: SEGMENT NUMBER GR-07 SUBSEGMENT NUMBER A

DEC REP Jeff GINALIAS USCG REP Jim DAVIS

EXXON REP Darryl Yoes BOAT NAME/SQUAD NUMBER CORINTHIAN
oops Larry Smith Sand 7 - MANUA

Has work been completed as stated on the work order? If your answer is no please explain in detail how the work performed was different from the work order language.

YES

Is there additional oil remaining which can be removed with further physical/mechanical treatment? If yes what is the recommended treatment method.

No

Describe the amount of oil remaining (type, size of area and location).

NONE

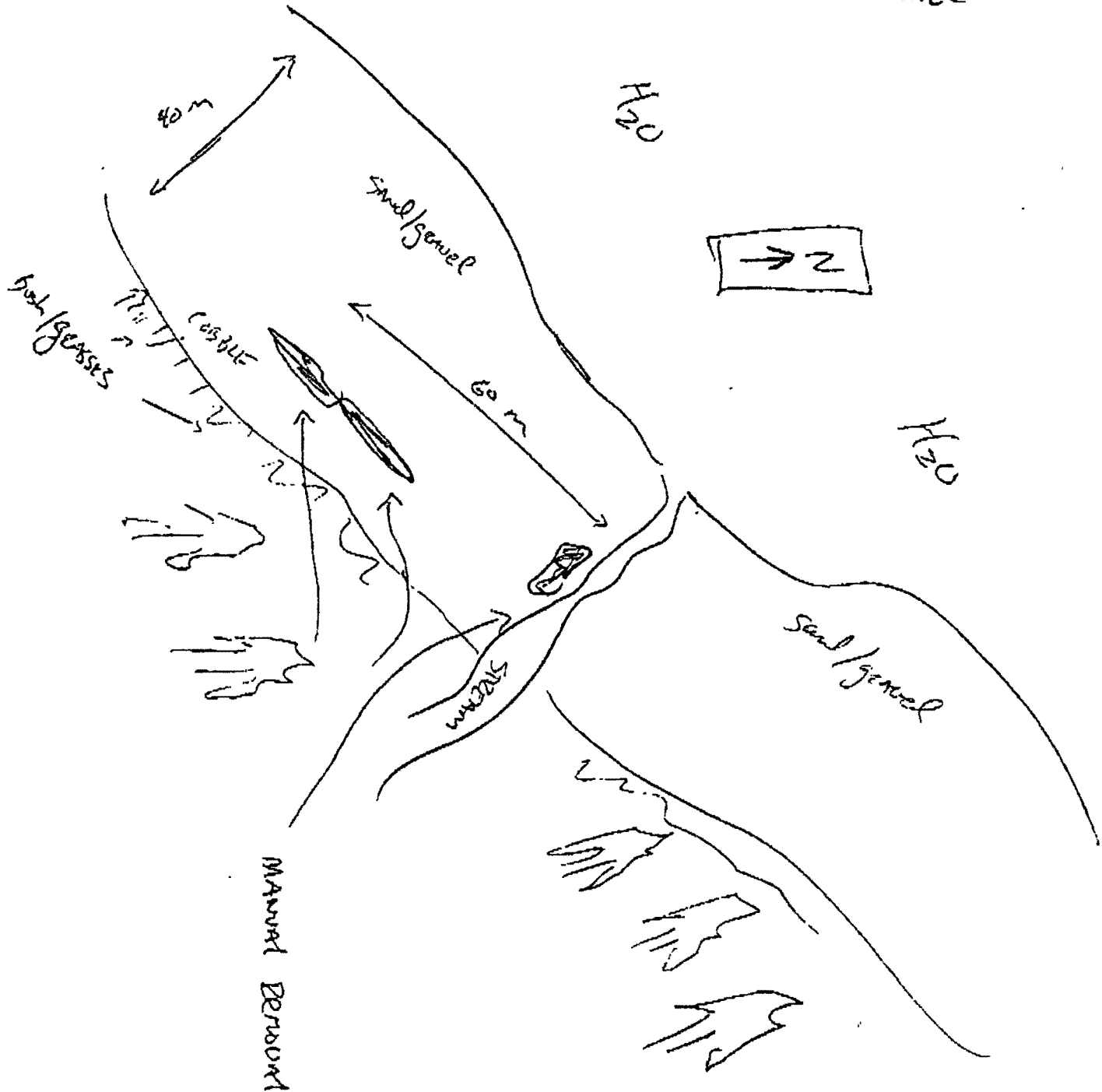
Additional Comments (keep objective)

NONE - Complete Removal of oil
near anomalous stream

signature [Signature]
Date and time of demobilization from segment 6-27-90 10:30
Shoremon\55 5-12-90

GR-07

POST TREATMENT
MANUAL
6-27-90
JEFF SIMILIAS
ADEC



ADEC DEMOBILIZATION REPORT FOR INIPOL AND CUSTOMBLEN TREATMENT

To: Alaska Department of Environmental Conservation
Oil Spill Response Center
Anchorage, Alaska

Attn: John Bauer
FAX 265-4666

From: Jay Vincent (please print)

RE: SEGMENT NUMBER 6007 SUBSEGMENT NUMBER A

ADEC REP Jay Vincent USCG REP Scott Rainsford

EXXON REP Darryl Yoer BOAT NAME/SQUAD NUMBER MV Corinthian Squad 2

Site #	Length (along shore m)	Area m ²	Inipol (gallons)	Customblen (lbs.)
①	36 x 2	72	6	2.5
②	20 x 0.5	10	Ø	2.0

Has work been completed as stated on the work order? If your answer is no please explain in detail how the work performed was different from the work order language.

Yes.

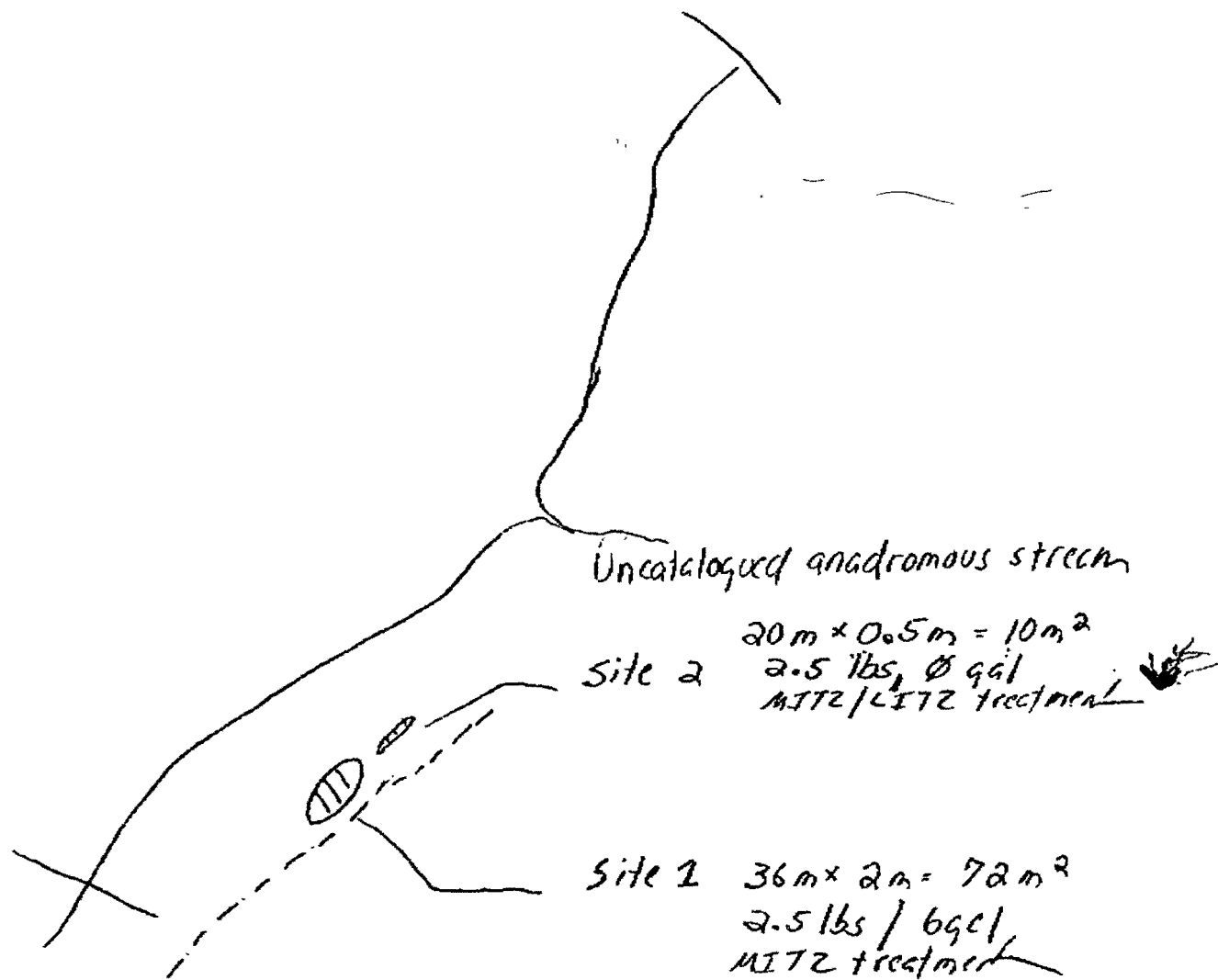
Describe the amount of oil remaining (type, size of area and location).

CV, CT / B, P at sites 1 & 2 listed above
See attached map

Additional Comments (keep objective)

Area raked prior to bio treatment in order to break up a thin layer of patchy asphalt of ≤ 1cm situated between boulders.

signature Jay Vincent
Date and time of demobilization from segment 6/28/90 @ 1530
Shoremon\Demob.bio 55/30/90



GR-103

ASC: NONE

GREEN ISLAND

Not a stream ★

ACE 1369612



asc 16890 ← Louis
isles Bay.
~~SHOT ARM~~



EXXON VALDEZ

SHORELINE TREATMENT APPROVAL

SHORELINE SEGMENT NUMBER GR-103

SHORELINE SEGMENT NAME _____

SUBMITTED FOR APPROVAL 6/1/89

COMMENTS:

C. F. Higgins
Signature of EXXON rep

ADEC comments on the condition of this shoreline segment and action recommendation.

Area Free of pooled oil, free oil and oiled debris.

Oil still present.

No objection to crews moving to other areas

[Signature]
Signature of ADEC rep

Coast Guard Comments and Action.

X Completed removal of gross contamination to the extent that the oil will not migrate. Site will require reassessment at a later date to determine future treatment.

____ The majority of surface oil contamination has been removed. The site will require reassessment at a later date to determine future treatment.

____ All contamination has been removed. No further treatment required unless re-oiled.

*All Debris And Sorbent Boom Should Be
Repositioned. Monitor Shore Boom To Prevent
Re-oiling.*

XC: ADEC
EXXON
FROC

[Signature] LT SCOT
Signature of Coast Guard rep

(version 5/0 89)

SHORELINE CLEANUP PROGRAM

DATE 5/19/89

SHORELINE SEGMENT GR-103

LOCATION: (see enclosed map) Green Island Northeast end

ADEC NO. _____ SHORELINE ASSESSMENT DATE: 5/16/89

Recommended Cleanup Activity(ies): Scoop up heavy mousse areas prior to mechanical cleanup. Use hot water on cobble beach on heavy tar and mousse area. Pick up manually oiled sea grasses deposited above high tide line and double bag. On beach #3 oiled gravel berm at supra tidal may be pushed into active surf zone.

Priorities Considerations: Medium.

Ecological Constraints (from site survey): Do not clean high - medium tidal areas when tide is low. Do not use high pressure/ hot water in upland area of oiled grasses. Do not clean this area (beach 3).

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.

Charles E. Holmes
State Historic Preservation Officer *

Date: May 19, 1989

EXXON: _____

Date: _____

FOSC: _____

Date: _____

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

ACE 7354370

SHORELINE OIL EVALUATIONDate: 05/16/89 Time: 1630Observer: MEYERSurveyed From: Foot/Boat/Helio/PlaneWeather: Sun Cloud/Rain/Snow/FogLOCATIONLOCATION Northwest shore of Greca IslandSEGMENT NUMBER GR 10.3LENGTH OF SHORELINE SEGMENT: 4.300 mACCESS: Foot/Vehicle/Boat/Barge/Helio/Float PlaneSHORELINE:Shoreline Type: SPI/SEA/COV/HLD/STRTSlope: LANE/HANG/VERWave Exposure: High/Med/LowSediment: B 15 / C 10 / P 2 / G 2 / S 1 / M / R 70Drift Debris on Beach: Yes/NoSupra/Upper/Mid/Lower Type unsorted logs
being measured
7/8/85OILDegree of Oiling: Heavy/Moderate/Light/No Oil/UnobservedArea of Beach Impact: SU / SP / H / M / LContinuous: Y/N % of Segment 80 Width of Band: 10-25 mSporadic: Y/N % of Segment 20Est. Oil Thickness where > 1cm: 12 cm Est. Oil Penetration: cmPooled Oil: % "Free" Oil: 25 % Coated: H 30 % / M 45 % / L %Fresh 10 % Mousse 60 % Tar Formation: 30 %Drift Debris Oiled ? Yes/No Supra/Upper/Mid/Lower Amount: H/M/L/

Comments:

Beach #1 - patches of heavy free oil mousse; most oil on bedrock; continuous band @ mid-high tide line, appears like old oil weathered oil covered with newer mousseBeach #2 - continuous 5m band of oil @ mid-high tide lineBetween Beach #2 and #3 - continuous mod-heavy band of mousse 6-20m wide @ mid tide lineBeach #3 - East end only has band of mousse; oil above high tide line
mixed in gravel - possibly old gravel redeposited by tide.

DOCUMENTATION:

Map/Aerial photo marking segment boundaries _____

VTR: Y/N Tape Number(s) _____

Photography: Y/N Roll Number(s) _____

Sample Numbers Collected: _____

ACE 7354372

ECOLOGICAL EVALUATION

LOCATION: GREEN ISLAND S.TE: GRILL OBSERVER: MEYER
 LOCATION PREFIX: 62 SEG. NO.: 103 LENGTH: 4300 (M)
 DATE: 05/16/89 TIME (HMM): 1630 TIDE HT.: _____ (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 in mid-high IRTZ oiled and dead; healthy fucus in lower tidal zone. High tide line marked on beach by continuous row of dead, uprooted eel grass retaining leany mouse.

Mytilus (Mussels): Patchy Y/N Contin. Y/N Dense Y/N Sparse Y/N None Y
 Some mussels coated with oil but alive (closed)

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

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: Oiled zone basically free of mytilus, balanus, littorina, limpet
low fucus. Beach 3 has oiled area extending around roots of land grasses.

CLEANUP PRECAUTIONS: Work oiled band only at mid tide to high tide to
avoid damage to living biota in lower intertidal zone. Pick up and bag the
heavily oiled/mashed retreating sea grasses.

MAIMALS: Otters 1 Harbor Seals _____ Sea Lions _____ Whales _____
 Other _____

BIRDS: 4 Pigeon Guillemots; 1 Great Blue Heron

GENERAL OBSERVATIONS: _____

(version of 4/29/89)

CULTURAL RESOURCE EVALUATION

Date 5/16/89 Location Green Island Site

Location Prefix GR Segment # GR-103 Length 4300m

Survey Method:

Air (A - indicate on map) Boat ^{NO}~~NO~~ - indicate on map

Ground ☒ (G - indicate on map)

Known cultural resources (AHRS #) 207 Data Source 14(h)1?

Oil conditions/beach visibility light to heavy

Width of beach zone surveyed 2-8 m Tree fringe surveyed 10m

Cultural resources observed in beach zone (AHRS code) None

Cultural resources observed in tree fringe (AHRS code) None

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

Shore Profile Two cobbled beaches but mostly steep far and

Fresh Water Sources cobble fields

Sea Exposure Open to north

Access/Safety good

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

Monitoring during cleanup needed yes no Collection yes no

Photos: Color Roll # None Frames

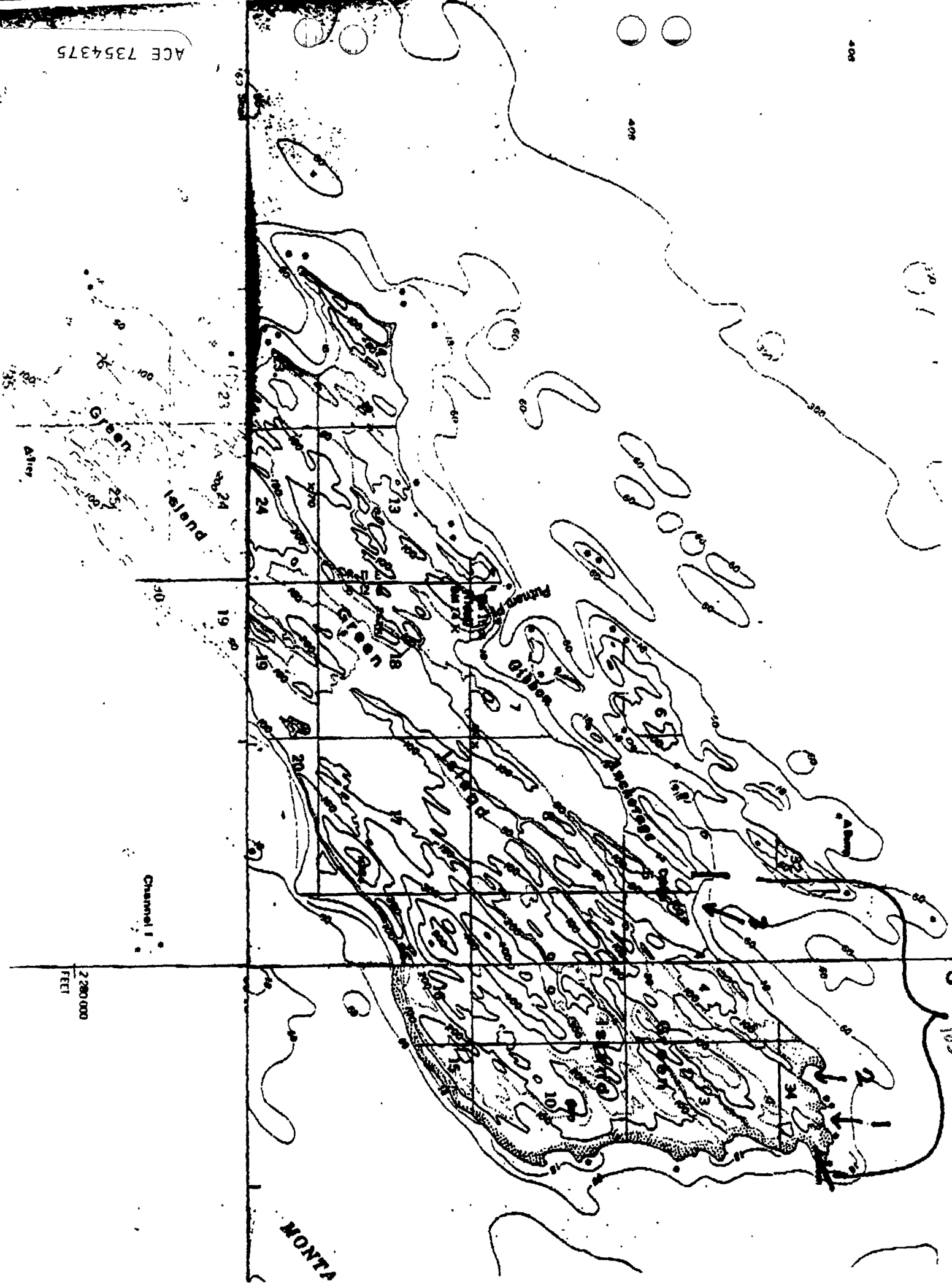
B/W Roll # Frames

Observer(s) C. Wilson

Time survey started 1630 Time survey ended 1800

Cultural resource considerations/restraints:

If heretofore undiscovered cultural resources are
identified during cleanup contact Green Island
C. Wilson immediately.



2,280,000
FEET

MONTA

(version 5/13/89)

SHORELINE PRE-CLEANUP ASSESSMENT BLOCK REPORT

Location (see enclosed map): GREEN ISLAND NORTH

Includes Shoreline Segments: GR-101, GR-102, GR-103, GR-104,
GR-105

Submitted :

ARM: C. Adams
(for Exxon)

Date: 5-19-89

FOSC Approval:

C. S. Nulgin
ISCC Representative JS 5/21/89

Date: 5-21-89

The cleanup procedures identified in the Shoreline Cleanup Program are recommended. Modifications to these systems can be made in the field. Exxon and other field personnel are encouraged to suggest innovations and productivity enhancements to the OSC's on-scene representative. The OSC's representative has the authority to approve on-site modifications. The Field Resource Team should be consulted if these actions do not fit within the Ecological Constraints of the Shoreline Cleanup Program. Requirements for safety and the protection of cultural material must be observed.

Distribution:

Exxon Shoreline Coordinator
Exxon Shoreline Supervisor
Exxon SCAT file

FOSC
CDFU
NOAA
EPA
USDA (FS)
USFW
A. DEC
A. FG
A. DNR
CAC
PWSCA

ACE 7354376-1451AC1FF

ADF&G MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: BS SS DS TS AVS SCHA MMHS PTA2 REGION: PWS KP,CI K,APMETHOD: Aerial Ground Boat3 DATE: 4/12/9015 HIGH TIDE TIMES: 121 TEAM RECORDER: R. Gustin4 START TIME: 064816 HIGH TIDE HTS: 122 OBSERVERS: 15 STOP TIME: 070017 LOW TIDE TIMES: 123 AGENCY: ADF&G HAB6 SEGMENT #: 6R10318 LOW TIDE HTS: 124 PHOTOS TAKEN: Y N

7 STATION #:

19 TIDE HT AT SURVEY:

Roll #: Frame:

8 K-UNIT:

Ebb Slack Flood Slack

25 VIDEO TAKEN: Y N TAPE#: 90R16001555

9 STAT AREA:

20 USCG QUAD:

Start: 0284 End: 0410

10 LAT:

11 LONG:

26 SAMPLES TAKEN? Y N Number12 SOURCE: Map Loran

Oil

13 LOCATION: GREEN ISLAND

Sediment

14 DESCRIPTION: NE TIP OF ISLAND

Biological

Water

EXTENT OF OIL

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

27 SURFACE COVERAGE

36 CATALOGED ANAD. FISH SREAM? Y N

37 CATALOG #:

38 STREAM NAME:

28 SURFACE THICKNESS

39 OIL IN STREAM BED? Y N

29 PENETRATION

40 OIL ON STREAM BANKS? Y N30 OVERALL OIL IMPACT: N VL L M H41 OIL ON BEACH ADJACENT TO MOUTH? Y N
(within 50 meters)31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain42 OIL WITHIN 1 MILE OF STREAM? Y N32 OILED DEBRIS? Y N

Where:

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

44 ANADROMOUS FISH OBSERVATION

35 SUBSTRATE TYPE: Bedrock ✓ Boulder ✓ Cobble

Species Aerial Ground

Gravel Sand Mud/silt

COMMENTS: This is the NE tip of Green Island which was

literally hosed down with liquid Tarpol on Aug 8-1989
against EPA protocol. It was heavily oiled and
exposed to all winter storms. Its exposure to NEN NW
SEAS AND OILED DEBRIS

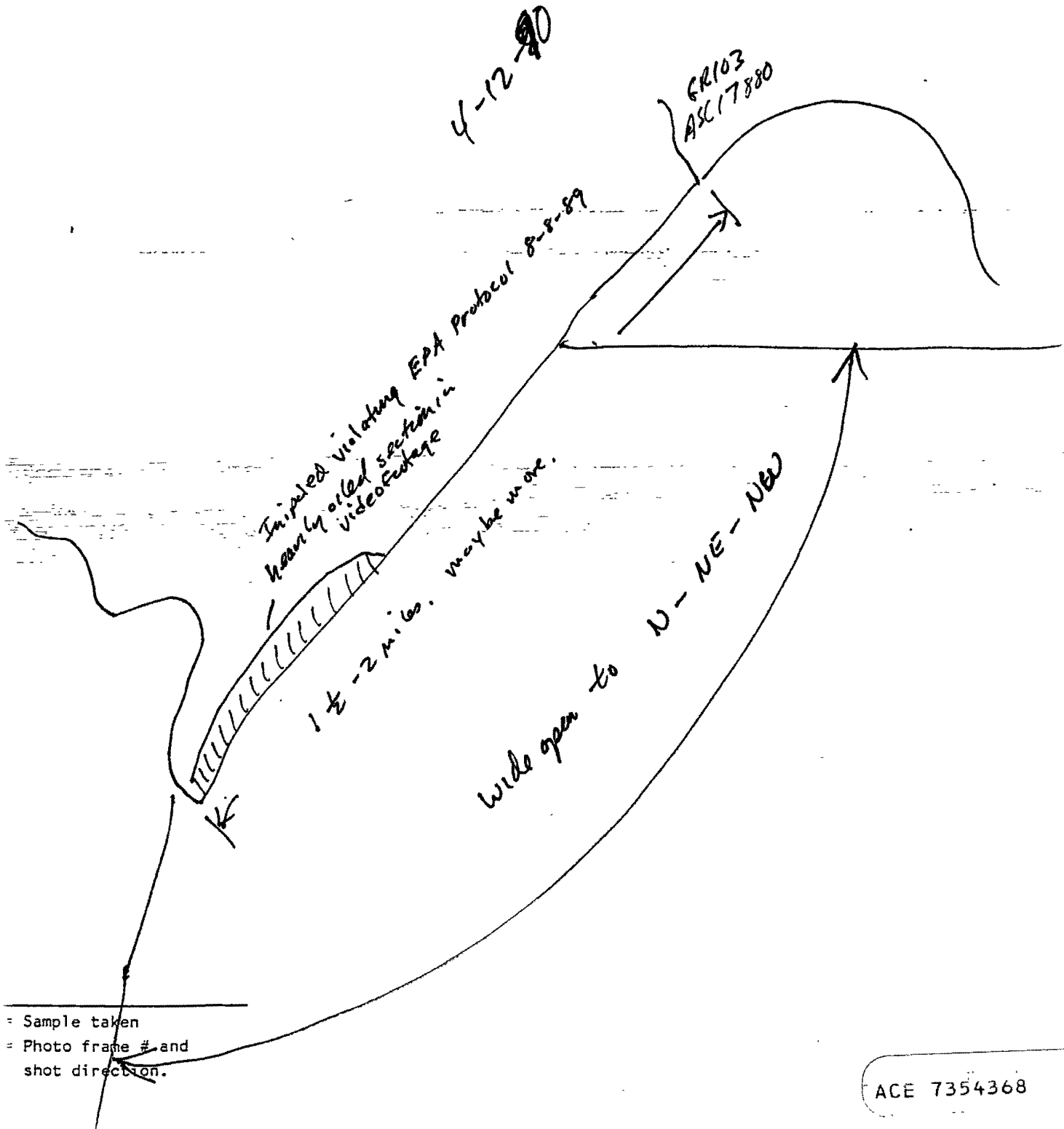
ACE 7354367

+AC

FRAME(S)

DESCRIPTION

46 OIL DISTRIBUTION DIAGRAM



ACE 7354368

ADEC EXXON VALDEZ POST-TREATMENT SURVEY REPORT

SEGMENT#: GR103
LOCATION: NW GREEN ISLAND

DATE: 10/03/89
TIME: 8:30

Survey Type: Boat, Ground
Team: J. Kreiger, K. Dutcher

WEATHER AND SEA CONDITIONS

Weather: Cloudy, Fog Wind Direction: variable
Sea State: Calm Knots: 0-15

Low Tide: 22:19	Feet: 0.35	High Tide: 3:57	Feet: 10.8
Low Tide: 9:41	Feet: 3.06	High Tide: 15:37	Feet: 12.6

SHORELINE DESCRIPTION

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

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

OIL CHARACTERISTICS

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

Max. Oil Thickness: 2 mm (1 = 1 mm or less, 0 = no oil)
Max. Oil Penetration: 30 cm (35 = 35 cm or greater)

Percent Segment Categorized as Oiled: 100%
Presence of Oiled Driftwood (y/n): y
Oil Types: M,SY,T,ST
(P=pooled, M=mousse, SY=sticky, T=tar, A=asphalt, ST=stain)
Samples: GR103-1 / GR103-2 / none / none

DAMAGED OR OILED ORGANISMS

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

SOLID WASTE FOUND

Type: Few locations, boom, garbage
Bags Collected: 0

Draft

Printed: 12/12/89 11:25

Walk-a-thon

ACE 7354366

- Prince William Sound -

DOCUMENTS IN STREAM FILES

ASC# _____ Segment # _____

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

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