

(NO SCAT NUMBER) ASC 17150
MONTAGUE ISLAND (Sew. A-2)

ACE 1369655



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. (Feb)
____ '90 Other Documents _____



Pre-ANADSCAT-90 ^{ATW}

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: 4/12/90 15 HIGH TIDE TIMES: 1 21 TEAM RECORDER: _____

4 START TIME: 0652 16 HIGH TIDE HTS: 1 22 OBSERVERS: Tom Crowl

5 STOP TIME: 0705 17 LOW TIDE TIMES: 1 23 AGENCY: ADPIS

6 SEGMENT #: NO SCAT 18 LOW TIDE HTS: 1 24 PHOTOS TAKEN: Y N MT

7 STATION #: MNOOI ATW 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: _____ Start: _____ End: _____

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

12 SOURCE: Map Loran 011 _____

13 LOCATION: Monteagle 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								

30 OVERALL OIL IMPACT: N VL LC M H

31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain

32 OILED DEBRIS? Y N

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

34 WAVE EXPOSURE: High Moderate Low

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

36 CATALOGED ANAD. FISH STREAM? Y N 207-195 ATW

37 CATALOG #: 17750

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: See map

43 ANADROMOUS FISH PRESENT? Y N

44 ANADROMOUS FISH OBSERVATION

Species	Aerial	Ground

COMMENTS: UPPER STORM TIDE BURN COVERED WITH SNOW. MAP 4/89
SHOWS OIL PRESENT UNDER SNOW. UNABLE TO OBSERVE. OILING IS
VERY LIGHT,

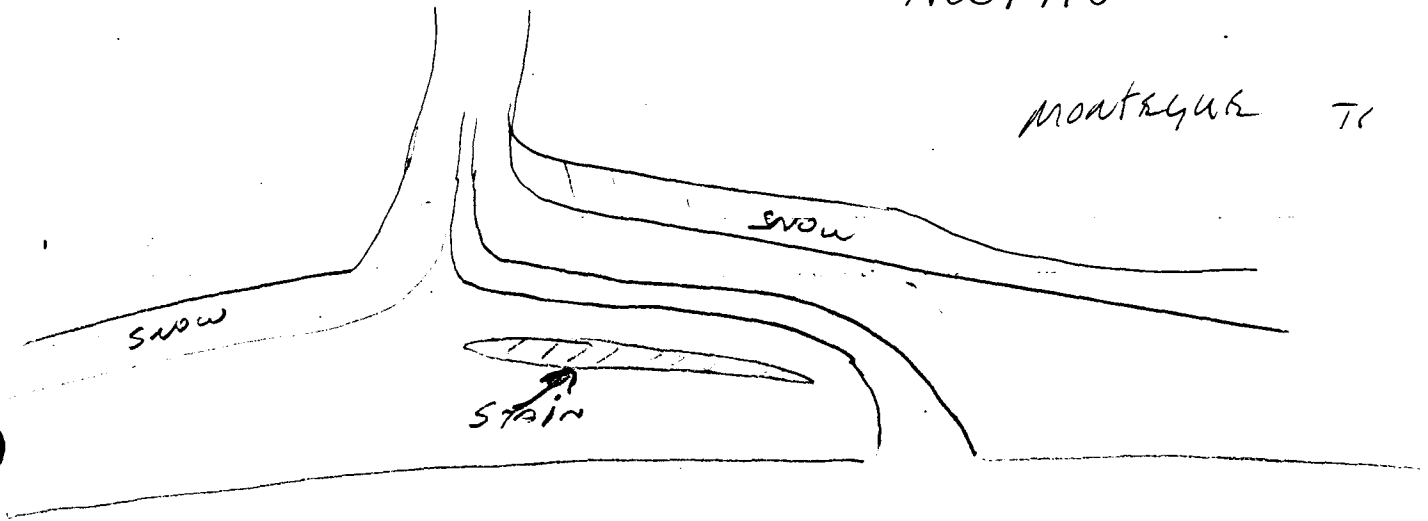
ACE 6976649 +12

FRAME(S)	DESCRIPTION

46 OIL DISTRIBUTION DIAGRAM

ASC 17150

MONTAGUE TR



4/12/90

MN003

227-10-17150 AJW

= Sample taken
 = Photo frame # and
 shot direction.

ACE 6976650 -15

ASC NUMBER:

SEGMENT NUMBER:

YR CATALOGED:

LOCATION:

STREAM NAME:

NODIAK K-UNIT:

USGS QUADRANGLE:

SHORELINE TYPE:

LOCAL STREAM #:

ALL SEGMENTS:

LATITUDE:

LONGITUDE:

LEGAL: S

ASC NUMBER:

SURVEY TYPE:

METHOD:

DATE: / /

START TIME:

STOP TIME:

WAVE EXPOS:

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	WIDTH	M2	%	THICK	PEN	OIL TYPE
SITE 1	20	1			4cm		ST
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:

ADF&G MULTI-ASSESSMENT DATA FORM

ANADSCAT-90

1 SURVEY TYPE: BS SS DS TS AVS SCHM MMS PTA2 REGION: PWS KP,CI K,APMETHOD: Aerial Ground Boat3 DATE: 4/27/9015 HIGH TIDE TIMES: 121 TEAM RECORDER: TOM CROWC4 START TIME: 114016 HIGH TIDE HTS: 122 OBSERVERS: MIKE WIDOMER5 STOP TIME: 122417 LOW TIDE TIMES: 123 AGENCY: ADFG (ANADSCAT)6 SEGMENT #: 11N00118 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: _____

Start: _____ End: _____

10 LAT: _____

11 LONG: _____

26 SAMPLES TAKEN? Y N Number

12 SOURCE: Map Loran

13 LOCATION: MONTAGUE ISLAND

14 DESCRIPTION: _____

Oil _____

Sediment _____

Biological _____

Water _____

EXTENT OF OIL

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

30 OVERALL OIL IMPACT: N VL L M 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 X
Gravel X Sand _____ Mud/silt _____36 CATALOGED ANAD. FISH SREAM? Y N37 CATALOG #: 227-10-17150

38 STREAM NAME: _____

39 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 N

Where: _____

43 ANADROMOUS FISH PRESENT? Y N44 ANADROMOUS FISH OBSERVATION
Species Aerial Ground

PWK		X

COMMENTS: NO TREATMENT

ACE 6976636 +/S

FRAME(S)

DESCRIPTION

RECOMMEND NO TREATMENT46 OIL DISTRIBUTION DIAGRAM

P.W.S.

MN001

227-10-17150

4/27/90

TWC

MONTAGUE
ANADSCAT

STORM BERM

LIGHT SPORATIC STAIN

STORM BERM

ACE 6976637 -12

just MN
NO SCAT#

CATALOG NUMBER: 2271017150		SEGMENT#: MN003		LOCATION: MONTAGUE ISLAND, POINT BAZIL, NORTH OF				SEQ:
DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS	
04/12/90	PRE-ANADS CAT	1	SURFACE			ST	Along north stream bank	
MAD vs. OG: COMMENTS: UPPER STORM TIDE BERM COVERED WITH SNOW. MAP 4/89 SHOWS OIL PRESENT UNDER SNOW. UNABLE TO OBSERVE. OILING IS VERY LIGHT. OIL ON STREAM BANKS. just MN NO SCAT#								

CATALOG NUMBER: 2271017150		SEGMENT#: MN003		LOCATION: MONTAGUE ISLAND, POINT BAZIL, NORTH OF				SEQ:
DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS	
04/27/90	ANADSCAT	1	SURFACE			NO OIL ST	north stream bank - light sporadic stain	
MAD vs. OG: COMMENTS: NO TREATMENT. just MN NO SCAT#								

CATALOG NUMBER: 2271017150		SEGMENT#: MN003		LOCATION: MONTAGUE ISLAND, POINT BAZIL, NORTH OF				SEQ:
DATE	SURVEY	SITE	W x L (m) SITE TYPE	PERCENT OIL	THICKNESS & PENETR. (cm)	OIL TYPES, DEPTH INTERVAL(cm)	SITE SPECIFIC COMMENTS	
04/27/90	OG'S ANADSCAT	1		1-10		ST	SPLASHES OF STAIN IN UITS. - north side of stream	
MAD vs. OG: AGREE COMMENTS: update streams set segment# = -0- where Anadcat# = 2271017150 (done on my pc 10/19/91 lcs).								

NO See #

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

4 START TIME: 1140 16 HIGH TIDE HTS: / 22 OBSERVERS: MIKE WIEOMER

5 STOP TIME: 1224 17 LOW TIDE TIMES: / 23 AGENCY: ADFG (ANADSCAT)

6 SEGMENT #: 17N001 18 LOW TIDE HTS: / 24 PHOTOS TAKEN: Y N
north of m 0003

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: _____ Start: _____ End: _____

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

12 SOURCE: Map Loran 011 _____

13 LOCATION: MONTAGUE 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		<u>NO</u>	<u>SEB</u>		<u>MAC</u>			
29 PENETRATION								

30 OVERALL OIL IMPACT: N VL L M H 36 CATALOGED ANAD. FISH SREAM? Y N

31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain 37 CATALOG #: 227-10-17150

32 OILED DEBRIS? Y N 38 STREAM NAME: _____

33 SHORELINE TYPE: Headland Low-lying Rocks Beach Cove 39 OIL IN STREAM BED? Y N

Lagoon Marsh 40 OIL ON STREAM BANKS? Y N

34 WAVE EXPOSURE: High Moderate Low 41 OIL ON BEACH ADJACENT TO MOUTH? Y N
(within 50 meters)

35 SUBSTRATE TYPE: Bedrock _____ Boulder _____ Cobble X 42 OIL WITHIN 1 MILE OF STREAM? Y N

Gravel X Sand _____ Mud/silt _____

Where: _____

43 ANADROMOUS FISH PRESENT? Y N

44 ANADROMOUS FISH OBSERVATION

Species	Aerial	Ground
<u>PWK</u>		<u>X</u>

COMMENTS: NO TREATMENT

ACE 6976636 +/S

45 PHOTOLOG

FRAME(S)

DESCRIPTION

RECOMMEND: NO TREATMENT

46 OIL DISTRIBUTION DIAGRAM

P.W.S.

MN001

227-10-17150

4/27/90

TWL

MONTAGUE
ANADSCAT

mt
area 1
10/91

LIGHT SPORATIC STAIN

STORM BERM

STORM BERM

ACE 6976637 -12

Sample taken
Photo frame # and
shot direction.

4/63

ASC # 227-10-17150

Segment MN-001

0 | Observations Only a very light sporadic stain was observed along this broad high exposure gravel/cobble beach.

Treatment Recommendations No treatment recommended.

SHORELINE OILING SUMMARY (ANAD.)

REVISION NO. 04

OG WILLIAM LEID USCG McMAHON SEGMENT ST/ MN 001 586
 BIO MICHAEL FAWCETT LAND REP TOM CROWE ADFG STREAM 22710-171501 OF
 EXXON GUS GARCIA ADFG MIKE WIEDMER TIME 11:45 10
 TEAM NO. 15 TIDE LEVEL 0 FT DATE 27 / APR / 90
 EST. SUBDIVISION LENGTH: 150 m ☒ Sun ☐ Clouds ☐ Fog ☐ Rain ☐ Snow
 UPLANDS DESCRIPTION: ☒ Grass ☒ Forest ☐ Rock
 SURVEYED FROM: ☒ Foot ☐ Boat ☐ Helo
 SURFACE SEDIMENTS: R 75 % B 5 % C 40 % P 40 % G 15 % S 0 % M 0 % V
 SLOPE: Lang 75 % Hang 25 % Vert 0 % WAVE EXPOSURE: ☐ Low ☒ Med ☐ High
 OIL CATEGORY LENGTH: W 0 m M 0 m N 0 m VL 20 m NO 130

SURFACE OIL

CHARACTER	DISTRIBUTION				OIL / FILM COLOR								IMPACTED ZONES			
	C	R	P	S	SP PR	DEL PW	GY	SL	DRF TL	LR	SU	U	M	L		
ASPHALT PAVEMENT																
POOLED																
COVER																
COAT																
STAIN				X			X						X			
MOUSSE																
PATTIES																
TARBALLS																
FILM																
NO OIL																

PAVEMENT H F S 0 sq. m by 0PATTIES / TARBALLS 0 BANEAR SHORE SHEEN? ☒ NO BR RW SL T

OILED DEBRIS	AMOUNT		
	SM	MD	LG
Logs			
Vegetation			
Trash			
Debris			

Did you Collect
DEBRIS
☐ YES ☒ NO

TYPE 0#BAGS 0

Photographs:

Roll No. AS-15-7Frames 9-11

SUBSURFACE OIL

PIT NO.	PIT DEPTH (cm)	SUBSURFACE OIL CHARACTER					OILED INTERVAL (CM-CK)	BELOW		OIL / FILM COLOR						PIT ZONE				A N A	SHEEN (Y/N)	↓	SURFACE SUBSURFACE SEDIMENT		
		OP	OR	OL	OF	NO		UO	UC	SP	PR	OR	FW	GY	SL	DR	TL	LR	SU					U	M
1	30					X	.											X					N		G/S/P
2	35					X	.												X				N		P/G/S
							.																		
							.																		
							.																		
							.																		
							.																		

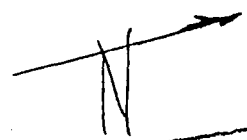
COMMENTS

REVIEWED 0 DATE 0

ACE 6976642

5/1/90
OG WILLIAM REID
SEGMENT ST/ MN001

SKETCH MAP



STREAM 227-10-17150

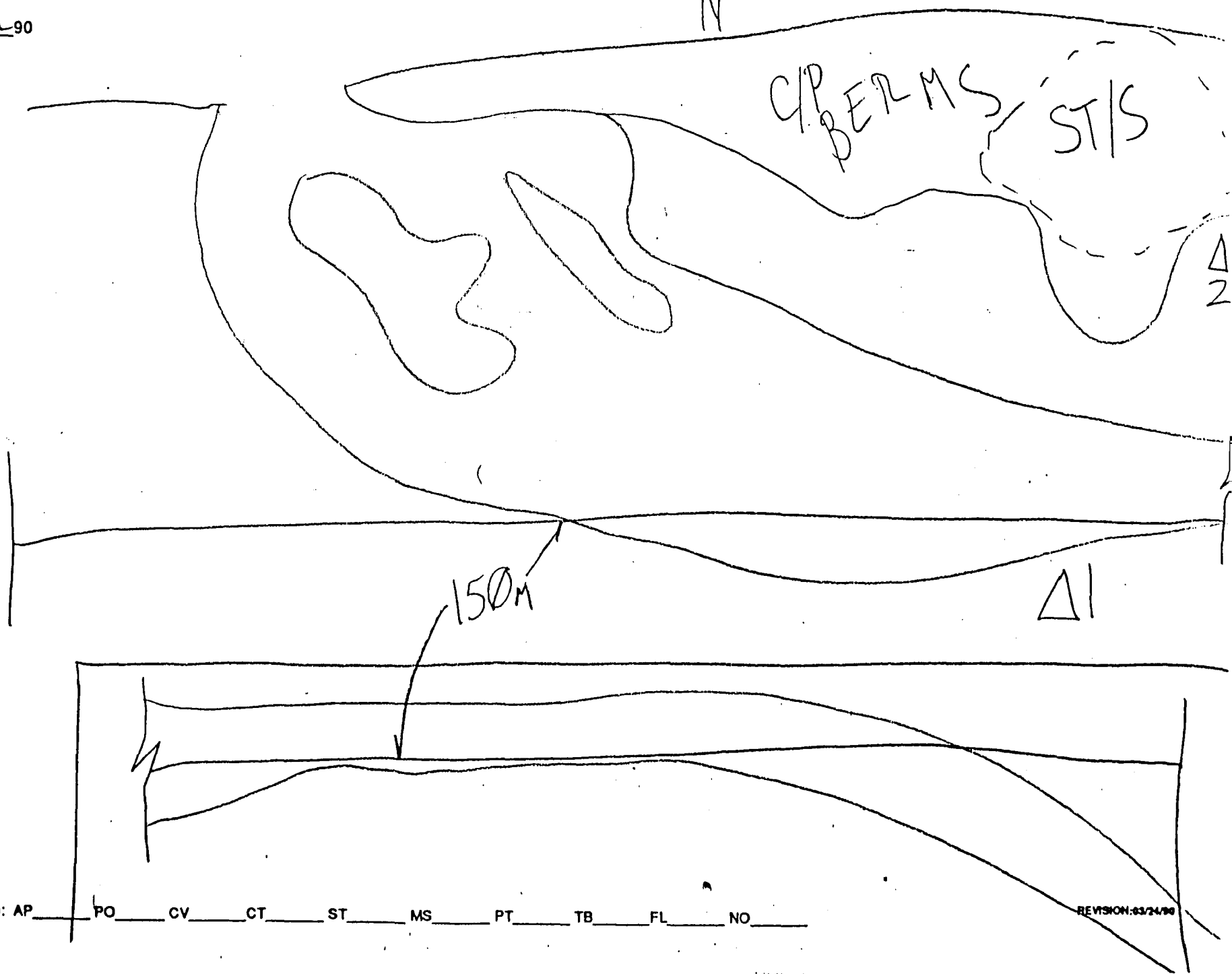
DATE 27, APR 90

CHECKLIST

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

LEGEND

- 1 Pit - No Subsurface Oil
- 2 Pit - Subsurface Oil
- Continuous Distribution
- Broken Distribution
- Patchy Distribution
- Splashed Distribution
- Oiled Vegetation
- 1 Photo location, direction, and number



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

Segment MN001

4/27/90

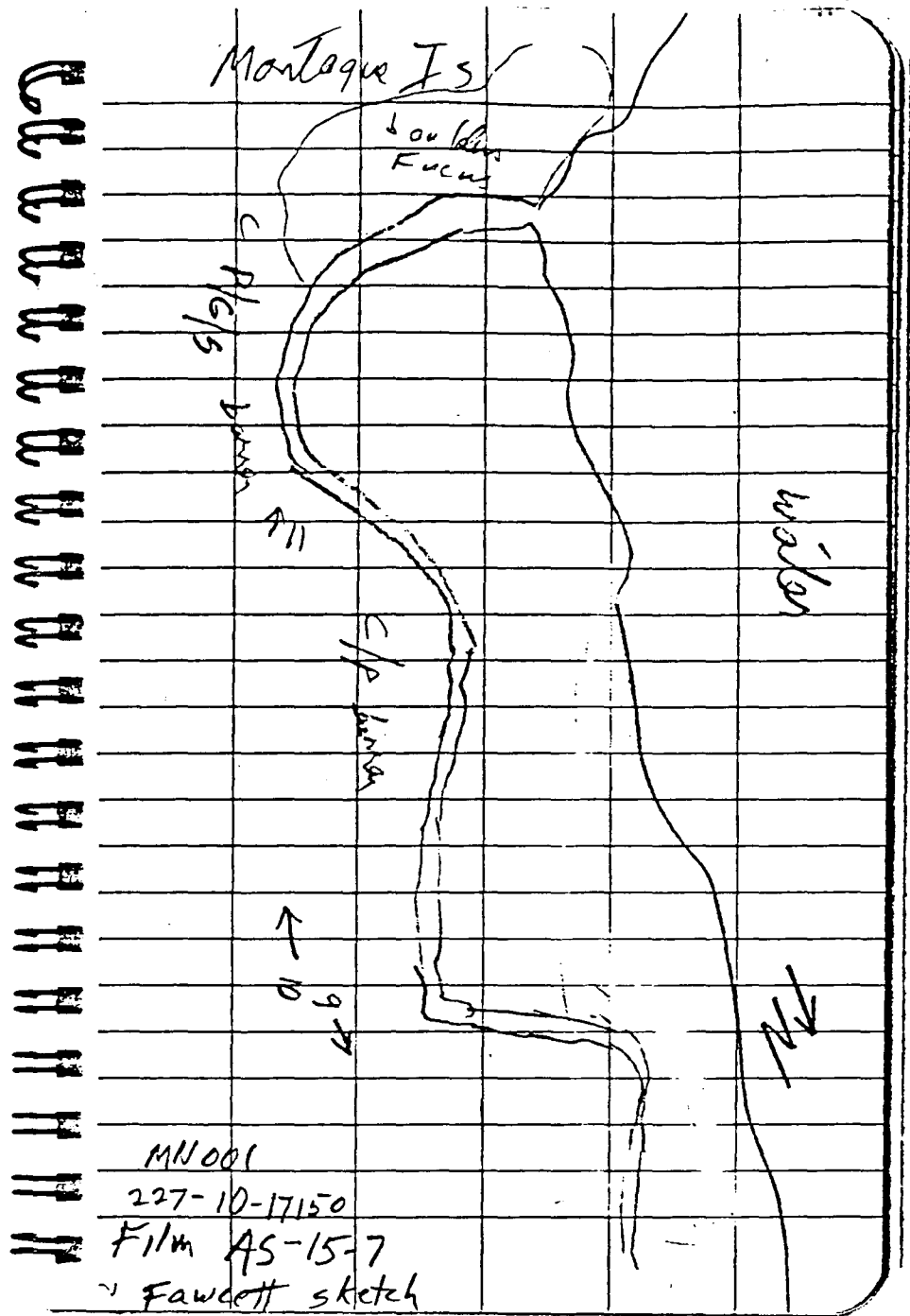
Stream: 227-10-17150

Michael Fawcett

Ecological Summary

This is one of the larger streams in the area, with a long, meandering intertidal flood plain of mostly biologically barren boulders, cobbles, and pebbles. A MTZ boulderfield right at the stream mouth has a dense population of *Fucus* and associated barnacles, sponges, etc. Only very light sporadic oil stains were found. No cleanup needed.

M Fawcett



FIELD SHORELINE COMMENT SHEET.

55/63

SEGMENT ST 1 MN 001 SUBDIVISION: 10-17150 DATE 4/27/90

USCG

NAME CWO MCMAHON SIGNATURE [Signature]

☒ NO TREATMENT RECOMMENDED
COMMENTS

☐ TREATMENT SUGGESTED

ADFTL

ADEC

NAME TOM CROWE SIGNATURE [Signature]

☒ NO TREATMENT RECOMMENDED
COMMENTS

☐ TREATMENT SUGGESTED

LAND MANAGER

NAME _____ SIGNATURE _____

☐ NO TREATMENT RECOMMENDED
COMMENTS

☐ TREATMENT SUGGESTED

ACE 6976639

OPERATIONS FIELD NOTES

54/63

See Back for Instructions

SEGMENT ID ANAD HAW-001
 STREAM ID # 227-10-17150
 ANNOTATED MAP INCLUDED Y/N

DATE 4-27-90
 NAME GARCIA
 TEAM # 15

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	VERY	LIGHT	AND	NONE						
Medium Band	VERY	SPORADICALLY								
Narrow Band	STAINED									
Very Light										
TOTAL MANDAYS					0		0		0	

SUBSURFACE OIL - NONE

Other (Describe)?	

TARMATS	Quantities in Meters			Treatment Rec			# of Bags	Mandays Required	
	Length	Width	Thick(cm)	None	Breakup	Remove		Breakup	Remove
Area #1									
Area #2									
Area #3	NONE								
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								
"Pocket" #2								
"Pocket" #3	NONE							
Random/Continuous								

OILED LOGS <u>Y/N</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/N 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?

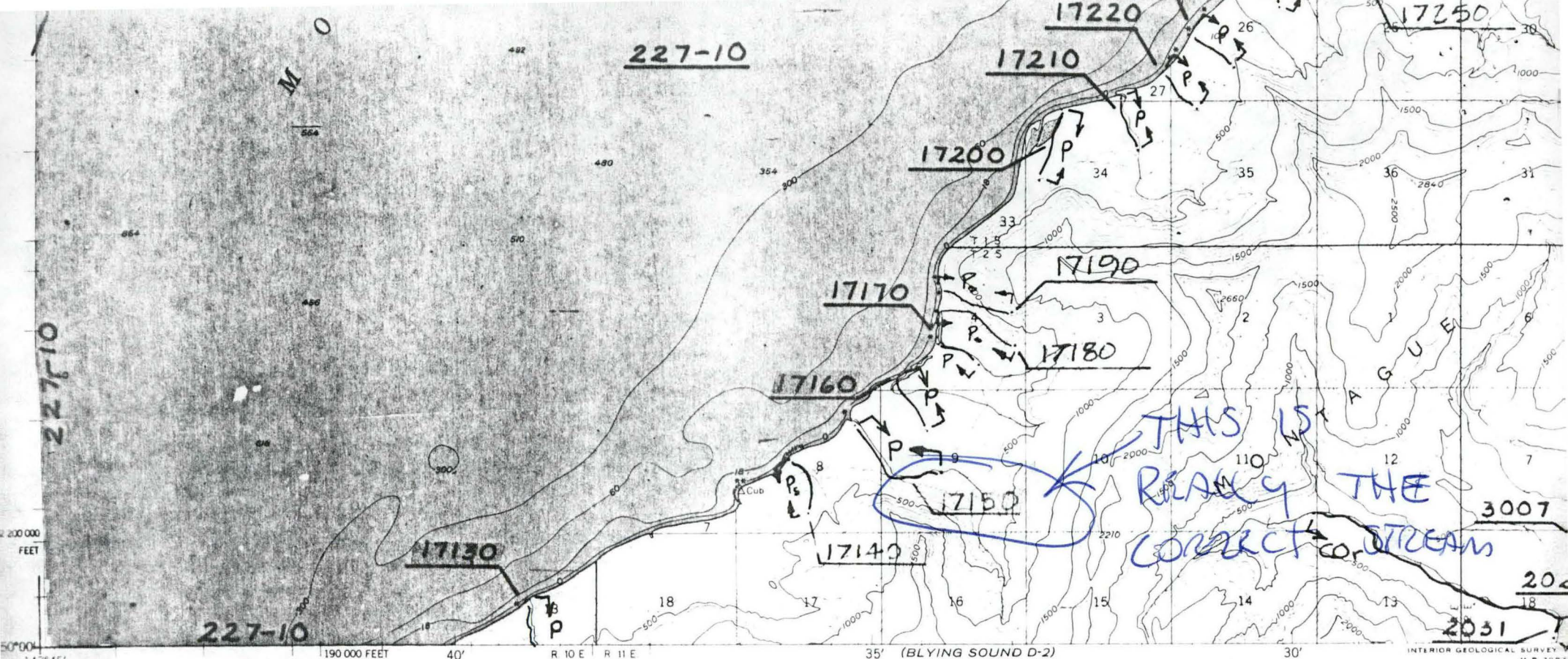
Access Limitations: NONE

Snare Boom/Pom Poms Recommended? NO

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

COMMENTS:

NO TREATMENT RECOMMENDED FOR THIS STREAM.



Mapped, edited, and published by the Geological Survey

Control by USC&GS and USCE

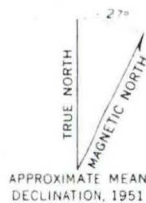
Topography by photogrammetric methods from aerial photographs taken 1951. Map not field checked

Selected hydrographic data compiled from USC&GS charts 8515 and 8551 (1:200,000-scale). This information is not intended for navigational purposes

Universal Transverse Mercator projection, 1927 North American datum
10,000 foot grid based on Alaska coordinate system, zone 3
1,000 meter Universal Transverse Mercator grid ticks, zone 6, shown in blue

Land lines represent unsurveyed and unmarked locations predetermined by the Bureau of Land Management
Folios 5, 14 and S 15, Seward Meridian

Entire land area is within the Chugach National Forest



SEWARD A-2

CONTOUR INTERVAL 100 FEET

DOTTED LINES REPRESENT 50 FOOT CONTOURS

DATUM IS MEAN SEA LEVEL

DEPTH CURVES AND SOUNDINGS IN FEET-DATUM IS MEAN LOWER LOW WATER

SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER

THE AVERAGE RANGE OF TIDE IS APPROXIMATELY 4 FEET

FOR SALE BY U. S. GEOLOGICAL SURVEY

FAIRBANKS, ALASKA DENVER 25, COLORADO WASHINGTON 25, D. C.

A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



QUADRANGLE LOCATION

ACE 6976648 -12

LEGEND

Subscript

s-Known Spawning

r-Rearing

m-Migration

*Migration upstream is assumed for stream reaches where

COMP. DRC

DRAWN CB

REVISED DRC

APPROVED ERL

DATE 4/82



SCALE

PROJ. TITLE

ANADROMOUS WATERS CATALOG

ANADROMOUS WATERS ARE LISTED PURSUANT TO AS 16.05.870 (a)

MAP TITLE

GENERAL DATA

227-10-

SEG ID: MN 001 SUBDIV: 17150 TEAM: AS-15 SURVEY DATE: 4/27/90
PAVEMENT: CHAR — AREA 0 THICKNESS 0 TARBALLS 0
OILED: LGS — VEG — TRH — DBR — WAVE EXP: LW — MD X HG —
FAX RCVD: — DT: — AGENCY DISAGREE: —
EST SUBDIV LGTH: 150 OIL CATEGORY: W 0 M 0 N 0 VL 20 NO 130 U 0

SURFACE DATA

SURFACE SEDIMENT: BRK 0 BLD 5 COB 40 PEB 40 GRN 15 SAN 0 MUD 0 VEG 0

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

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

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

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OIL CLR: — FILM CLR: — TIDAL ZONE: SU — UI — MI — LI —

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OIL CLR: — FILM CLR: — TIDAL ZONE: SU — UI — MI — LI —

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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 —

62/6

SSAT DATA ENTRY FORM

SUBSURFACE DATA

PAGE 2 OF 2

SEGMENT ID: MN001 SUBDIV: 227-10-17150

PIT # 1 PIT DEPTH 30 OIL CHARACTER — OIL INTVAL: FROM 0 TO 0
 QUANT: — OIL CLR: — FLM CLR: — ZONE: SU — UI X MI — LI —
 SUBSURF SEDIMENT: BRK — BLD — COB — PEB X GRN X SAN X MUD — VEG —

PIT # 2 PIT DEPTH 35 OIL CHARACTER — OIL INTVAL: FROM 0 TO 0
 QUANT: — OIL CLR: — FLM CLR: — ZONE: SU — UI — MI X LI —
 SUBSURF SEDIMENT: BRK — BLD — COB — PEB X GRN X 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: —

PWS, SEWARD AND HOMER ECOLOGICAL CONSTRAINTS

- 1A Salmon stream mouth - fry outmigration (5/15)
 1B Salmon stream mouth - spawning (7/10 to 7/11)
 No disturbance of stream bed or banks unless authorized by ADF&G. No beach flushing into stream drainage. No bioremediation or other chemical application within 100m of stream without authorization from ADF&G. No use of methods which might affect nearshore oil or toxicity levels, such as hot water wash or Inipol application, prior to at least July 1 unless authorized by ADF&G. Treatment which is not intrusive and which will not affect nearshore oil or toxicity levels, such as manual removal, can probably proceed without adherence to time constraints. In any case, contact ADF&G Habitat Division prior to treatment for consultation and/or permit application.
 AGENCY CONTACT PERSON: ADF&G John Morison 267-2324
- 1C Salmon fry nursery area (4/31 to 7/31)
 No use of methods which might affect nearshore oil or toxicity levels, such as hot water wash or Inipol application, prior to July 31 unless authorized by ADF&G. Treatment which will not affect nearshore oil or toxicity levels, such as manual or mechanical removal, can probably proceed without adherence to time constraints. Contact ADF&G prior to treatment for confirmation and advice.
 AGENCY CONTACT PERSON: ADF&G Larry Peltz 424-3214
- 1D Esther Hatchery release (4/15 to 6/15)
 1E Main Bay Hatchery release (4/20 to 6/15)
 1F Sawmill Bay Hatchery release (4/15 to 6/1)
 1G Cannery Creek Hatchery release (4/21 to 6/1)
 1H Remote release site
 No use of methods which might affect nearshore oil or toxicity levels, such as hot water wash or Inipol application, prior to at least July 1 unless authorized by ADF&G and/or PWS Aquaculture Association. Treatment which will not affect nearshore oil or toxicity levels, such as manual or mechanical removal, can probably proceed without adherence to time constraints. Contact ADF&G or PWS Aquaculture Association for confirmation and authorization.
 AGENCY CONTACT PERSON: 1E ADF&G Larry Peltz 424-3214
 1D 1F 1G PWS Aquaculture Association John McMillan or Bruce Suzumoto 424-7511
- 1I Gill net area (6/7 to 8/31)
 1J Purse seine area (7/20 to 9/30)
 1K Purse seine hook-off (7/20 to 9/30)
 1L Set net sites (6/11 to 7/25)
 Contact ADF&G for specific dates, locations and constraints. Restrict boat and air traffic to essential minimum. When set net sites are present (1L) restrict beach operations to essential minimum as authorized by ADF&G. If plans for treatment include methods such as hot water wash or Inipol application which might affect nearshore oil or toxicity levels, contact ADF&G for consultation and authorization.
 AGENCY CONTACT PERSON: ADF&G James Brady 424-3212
- 2M Herring spawning (4/1 to 6/15)
 Contact ADF&G for confirmation - dates and locations may vary. Restrict boat traffic to essential minimum. Avoid damage to unopened intertidal and subtidal algae and seagrass. If plans for treatment include methods such as hot water wash or Inipol application which might affect nearshore oil or toxicity levels, contact ADF&G for consultation and authorization.
 AGENCY CONTACT PERSON: ADF&G Evelyn Biggs 424-3235
- 3N, 3P Harbor seal and sea lion pupping (5/15 to 7/1)
 3O, 3Q Harbor seal and sea lion molting (8/15 to 9/15)
 Restrict boat and air traffic to essential minimum. No personnel within 400m. Aircraft to maintain 800m horizontal and 300m vertical distance from haulouts. No application of Inipol within two weeks of arrival dates (work window at these sites is limited to 7/2 to 7/31). Contact ADF&G and USFWS prior to treatment for confirmation.
 AGENCY CONTACT PERSON: US National Marine Fisheries Service Steve Zimmerman 586-7235
 ADF&G Don Calkins 267-2403
- 5R Seabird colony (5/1 to 9/1)
 Restrict air and boat traffic to essential minimum. No personnel within 800m. Aircraft to maintain 800m horizontal, 300m vertical distance from colony. Contact USFWS prior to treatment.
 AGENCY CONTACT PERSON: USFWS Jill Parker 786-3377
- 5S Shorebird/waterfowl concentration (4/1 to 5/15)
 Restrict all activity to essential minimum, especially air traffic. Contact USFWS and ADF&G for confirmation.
 AGENCY CONTACT PERSON: USFWS Jill Parker 786-3377
 ADF&G Tom Roth 267-2206
- 5T All Bald Eagle nests (3/1 to 6/1)
 Active Bald Eagle nests (3/1 to 9/1)
 Restrict air traffic and all disturbance to essential minimum. No personnel within 400m 3/1 to 6/1. Air approach and takeoff from and to seaward only; maintain 800m horizontal, 300m vertical distance from nests. Contact USFWS prior to treatment for confirmation of dates.
 AGENCY CONTACT PERSON: USFWS Jill Parker 786-3377
- 6U Recreation: Tent sites (6/1 to 9/15)
 6V Anchorages (6/1 to 9/15)
 6W Forest Service cabins (6/1 to 9/15)
 6X Lodge (6/1 to 9/15)
 6Y Special use destination
- 7Z Subsistence area: Salmon harvesting (5/1 to 9/30)
 7HH Finfish harvesting
 7I Deer harvesting (8/15 to 2/28)
 7JJ Invertebrate harvesting
 Contact ADF&G and appropriate Native Corporation for specific dates, locations, and constraints. Restrict boat and air traffic and beach disturbance to essential minimum. If plans for treatment include methods such as hot water wash or application of Inipol which might affect intertidal or nearshore oil or toxicity levels, contact ADF&G and appropriate Native Corporation for authorization - see Native Corporation Contact List for each Native Corporation's contact person.
 AGENCY CONTACT PERSON: ADF&G Jim Fall 267-2359

ACE 6976616

*Received
5/8/90
JW*

RECEIVED
MAY 05 1990

DEPT. OF
ENVIRONMENTAL CONSERVATION

ANADROMOUS FISH STREAM ASSESSMENT

REGION: PRINCE WILLIAM SOUND

SEGMENT: MN-01

STREAM NO: 227-20-17570

CONCUR

OK!!

*this stream
is 17150 and
is just north
of MN-03 north
boundary. See
VEGS CARD at end*

WHAT HAPPENED HERE IS AN CLASSIC EXAMPLE
OF HOW MAKING CHANGES IN FIELD DATA CAN TOTALLY
CONFUSE ANY INFORMATION FROM ITS ORIGIN. WHAT
HAPPENED WAS THE SEGMENT NUMBER ON THE ORIGINAL
DOCUMENT WAS WRONG, IT WAS MN001 AND SHOULD
HAUR BEEN MN003. BUT INSTEAD OF CONSULTING
ADFG ABOUT THE PROBLEM THE DATA WAS CHANGED
TO A NEW AND DIFFERENT STREAM NUMBER, THE
STREAM NUMBER THAT THIS DOCUMENT REPRESENTS
IS WRONG

TOM CROWE

ANAD IOUS FISH STREAM EVALUATI

THIS IS PROOF THAT
THIS DOCUMENT IS
FALSE ✓

SEGMENT ST/ MN-01 STREAM NO: 227-20-17570 DATE 4/27/90

SEGMENT ENVIRONMENTAL SENSITIVITIES AND TIME CONSTRAINTS:

1A Salmon stream mouth - fry outmigration (3/1 to 5/15)
1B Salmon stream mouth - spawning (7/10 to 8/31)
1E Main Bay Hatchery release (4/20 to 6/15)
2M Herring spawning (4/1 to 6/15)
5T-3 All bald eagle nests (3/1 to 6/1)-Active eagle nests (3/1 to 9/1)
7II Subsistence area: Deer harvesting (8/15 to 2/28)
See attached Ecological Constraint sheet for specific constraints and contacts.

SUBDIVISION ECOLOGICAL CONSTRAINTS:

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

ARCHAEOLOGICAL CONSTRAINTS:

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

SHPO SIGNATURE: _____ DATE: _____

Subsurface Oil Observed: Yes _____ No X Maximum Depth _____

RECOMMENDATIONS:

<u>X</u> 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: _____

TAG COMMENTS: _____

TAG APPROVAL DATE: _____

ADEC _____
EXXON _____
NOAA _____
USCG _____

FOSC: _____ DATE: _____

ACE 6976615

Pre-WADSCAT-90 ^{ATW}

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: 4/12/90 15 HIGH TIDE TIMES: / 21 TEAM RECORDER: _____

4 START TIME: 0652 16 HIGH TIDE HTS: / 22 OBSERVERS: Tom Crowe

5 STOP TIME: 0705 17 LOW TIDE TIMES: / 23 AGENCY: ADFG

6 SEGMENT #: NO SLAT 18 LOW TIDE HTS: / 24 PHOTOS TAKEN: Y N

7 STATION #: North of mN003 ATW 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: _____ Start: _____ End: _____

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

12 SOURCE: Map Loran _____ Oil _____

13 LOCATION: Montague Island _____ Sediment _____

14 DESCRIPTION: _____ Biological _____

Water _____

EXTENT OF OIL

27 SURFACE COVERAGE

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

28 SURFACE THICKNESS

--	--	--	--	--	--	--	--

29 PENETRATION

--	--	--	--	--	--	--	--

30 OVERALL OIL IMPACT: N VL L M H 38 CATALOGED ANAD. FISH SREAM? Y N

31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain 37 CATALOG #: 227-10-17/50 ATW

32 OILED DEBRIS? Y N 38 STREAM NAME: _____

33 SHORELINE TYPE: Headland Low-lying Rocks Beach Cove 39 OIL IN STREAM BED? Y N

Lagoon Marsh 40 OIL ON STREAM BANKS? Y N

34 WAVE EXPOSURE: High Moderate Low 41 OIL ON BEACH ADJACENT TO MOUTH? Y N

35 SUBSTRATE TYPE: Bedrock _____ Boulder _____ Cobble _____ (within 50 meters)

Gravel _____ Sand _____ Mud/silt _____ 42 OIL WITHIN 1 MILE OF STREAM? Y N

43 ANADROMOUS FISH PRESENT? Y N

44 ANADROMOUS FISH OBSERVATION

Species Aerial Ground

COMMENTS: UPPER STORM TIDE BURN COVERED WITH SNOW. MAP 4/89

SHOWS OIL PRESENT UNDER SNOW. UNABLE TO OBSERVE. OILING IS

VERY LIGHT,

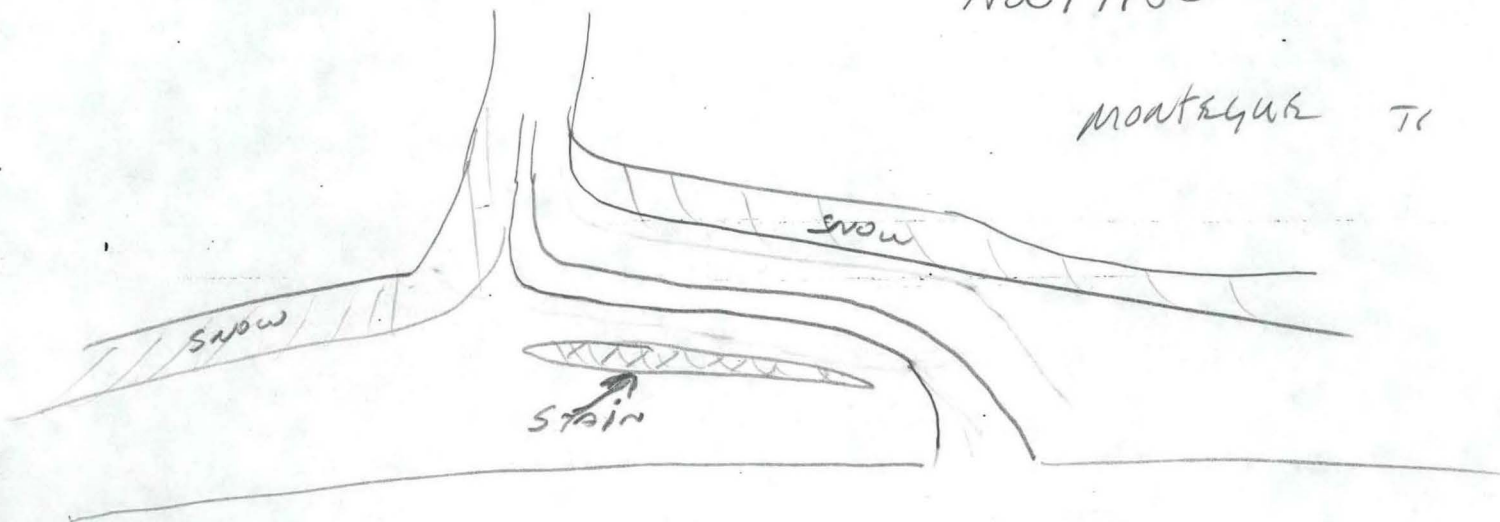
ACE 6976649 +12

FRAME(S)	DESCRIPTION

46 OIL DISTRIBUTION DIAGRAM

ASC 17150

MONTAGUE TR



4/12/90

MN003

227-10-17150 AJW

= Sample taken
 = Photo frame # and
 shot direction.

ACE 6976650 -15

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: 4/27/9015 HIGH TIDE TIMES: 121 TEAM RECORDER: TOM CROWE4 START TIME: 114016 HIGH TIDE HTS: 122 OBSERVERS: MIKE WIEDMER5 STOP TIME: 122417 LOW TIDE TIMES: 123 AGENCY: ADFG (ANADSCA)6 SEGMENT #: 11N00118 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: _____

Start: _____ End: _____

10 LAT: _____

11 LONG: _____

26 SAMPLES TAKEN? Y N Number

12 SOURCE: Map Loran

Oil _____

13 LOCATION: MONTAGUE 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			SEIL		map			
29 PENETRATION								

36 CATALOGED ANAD. FISH STREAM? Y N

37 CATALOG #: 227-10-17150

38 STREAM NAME: _____

39 OIL IN STREAM BED? Y N40 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 Low44 ANADROMOUS FISH OBSERVATION
Species Aerial Ground35 SUBSTRATE TYPE: Bedrock _____ Boulder _____ Cobble XGravel X Sand _____ Mud/silt _____

PWK		X

COMMENTS: NO TREATMENTI agree with recommendation. M H Fawcett

ACE 6976640

57/63

45 PHOTOLOG

FRAME(S)

DESCRIPTION

RECOMMEND NO TREATMENT

46 OIL DISTRIBUTION DIAGRAM

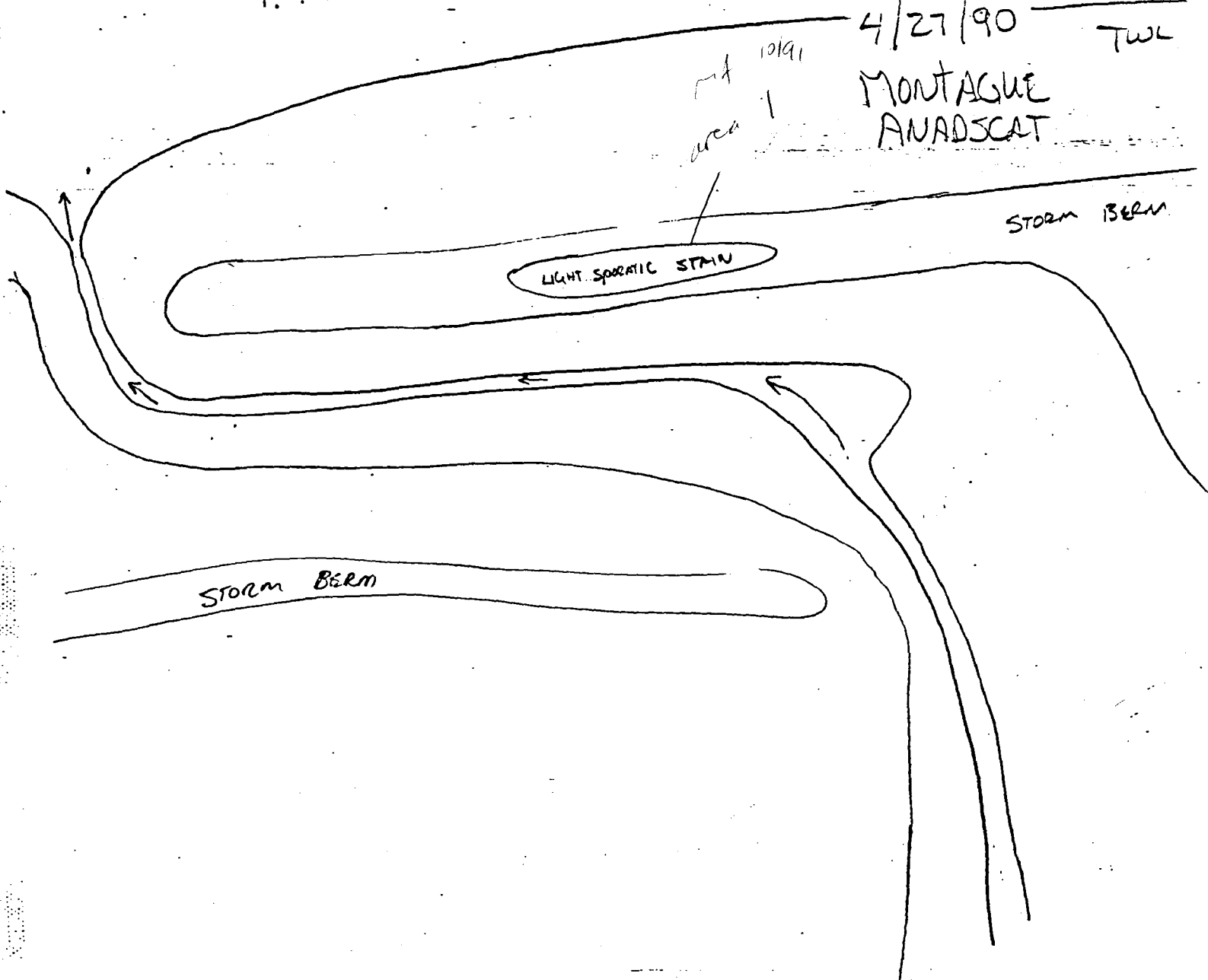
P.W.S.

MN001
227-10-17150

4/27/90

TWL

MONTAGUE
ANADSCAT



Sample taken
Photo frame # and
shot direction.

ACE 6976629

57/62

45 PHOTOLOG

FRAME(S)

DESCRIPTION

RECOMMEND: NO TREATMENT

46 OIL DISTRIBUTION DIAGRAM

P.W.S.

MN001

227-10-17150

4/27/90

TWL

MONTAGUE
ANADSCAT

STORM BERM

LIGHT SPOTTIC STAIN

STORM BERM

Sample taken
Photo frame # and
shot direction.

ACE 6976641

56/63

ADF&G MULTI-ASSESSMENT DATA FORM

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

2 REGION: PWS KP,CI K,AP

METHOD: Aerial Ground Boat

3 DATE: 4/27/90

15 HIGH TIDE TIMES: 1

21 TEAM RECORDER: TOM CROW

4 START TIME: 1140

16 HIGH TIDE HTS: 1

22 OBSERVERS: MIKE WIEDMER

5 STOP TIME: 1224

17 LOW TIDE TIMES: 1

23 AGENCY: ADFG (ANADSCAT)

6 SEGMENT #: 11N001

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:

Start: End:

10 LAT:

11 LONG:

26 SAMPLES TAKEN? Y N Number

12 SOURCE: Map Loran

13 LOCATION: MONTAGUE ISLAND

14 DESCRIPTION:

Oil

Sediment

Biological

Water

EXTENT OF OIL

27 SURFACE COVERAGE

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

28 SURFACE THICKNESS

		SEI	MAI		

29 PENETRATION

30 OVERALL OIL IMPACT: N VL L M H

31 OIL TYPE: Pooled Mousse Tar Asphalt Sticky Stain

32 OILED DEBRIS? Y N

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

34 WAVE EXPOSURE: High Moderate Low

35 SUBSTRATE TYPE: Bedrock Boulder Cobble X

Gravel X Sand Mud/silt

36 CATALOGED ANAD. FISH STREAM? Y N

37 CATALOG #: 227-10-17150

38 STREAM NAME:

39 OIL IN STREAM BED? Y N

40 OIL ON STREAM BANKS? Y N

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

42 OIL WITHIN 1 MILE OF STREAM? Y N

Where:

43 ANADROMOUS FISH PRESENT? Y N

44 ANADROMOUS FISH OBSERVATION

Species	Aerial	Ground
PWK		X

COMMENTS: NO TREATMENT

I agree with recommendation. MTH Fawcett

ACE 6976628

ASC # 227-10-17150

Segment MN-001

Observations Only a very light sporadic stain was observed along this broad high exposure gravel/cobble beach.

Treatment Recommendations No treatment recommended.

SHORELINE OILING SUMMARY (ANAD.)

REVISION NO. 04

OG WILLIAM REID SCG McMAHON SEGMENT ST/ MN 001 5816
 BIO MICHAEL FAWCETT LAND REP TOM CROWE ADEG STREAM 227-10-171501 OF
 EXXON CUS GARCIA ADFG MIKE WIEDMER TIME 11:45 to
 TEAM NO. 15 TIDE LEVEL 0 FT DATE 27 / APR / 90
 EST. SUBDIVISION LENGTH: 150 m ☒ Sun ☐ Clouds ☐ Fog ☐ Rain ☐ Snow
 UPLANDS DESCRIPTION: ☒ Grass ☒ Forest ☐ Rock
 SURVEYED FROM: ☒ Foot ☐ Boat ☐ Helo
 SURFACE SEDIMENTS: R 5 % B 5 % C 40 % P 40 % G 15 % S 0 % M 0 % V
 SLOPE: Lang 75 % Hang 25 % Vert 0 % WAVE EXPOSURE: ☐ Low ☒ Med ☐ High
 OIL CATEGORY LENGTH: W 0 m M 0 m N 0 m VL 20 m NO 130

SURFACE OIL

CHARACTER	DISTRIBUTION				OIL / FILM COLOR								IMPACTED ZONES			
	FC	FB	FP	FS	BR	OR	OL	OF	NO	ICM	CM	UC	SU	U	M	LI
ASPHALT PAVEMENT																
POOLED																
COVER																
COAT																
STAIN				X									X			
MOUSSE																
PATTIES																
TARBALLS																
FILM																
NO OIL																

PAVEMENT H F S 0 sq. m by 0

PATTIES / TARBALLS 0 BA

NEAR SHORE SHEEN? ☒ NO BR RW SL

OILED DEBRIS	AMOUNT			Did you COLLECT DEBRIS ☐ YES ☒ NO
	SM	MD	LG	
Logs				
Vegetation				
Trash				
Debris				

Photographs:

Roll No. AS-15-7

Frames 9-11

SUBSURFACE OIL

PIT NO.	PIT DEPTH (cm)	SUBSURFACE OIL CHARACTER					OILED INTERVAL (CM)	BELOW		OIL / FILM COLOR								PIT ZONE				A N A	SHEEN (Y/N)	SURFACE SUBSURFACE SEDIMENT
		OP	OR	OL	OF	NO		UO	UC	BR	OR	OL	OF	NO	ICM	CM	UC	SU	U	M	LI			
1	30					X	•											X					N	G/S/P
2	35					X	•												X				N	P/C/S
							•																	
							•																	
							•																	
							•																	

COMMENTS

REVIEWED 0 DATE 0

OG WILLIAM REID
 SEGMENT ST/ ~~MNDOL~~ ^{MNDOL}
 STREAM 227-10-17150

SKETCH MAP

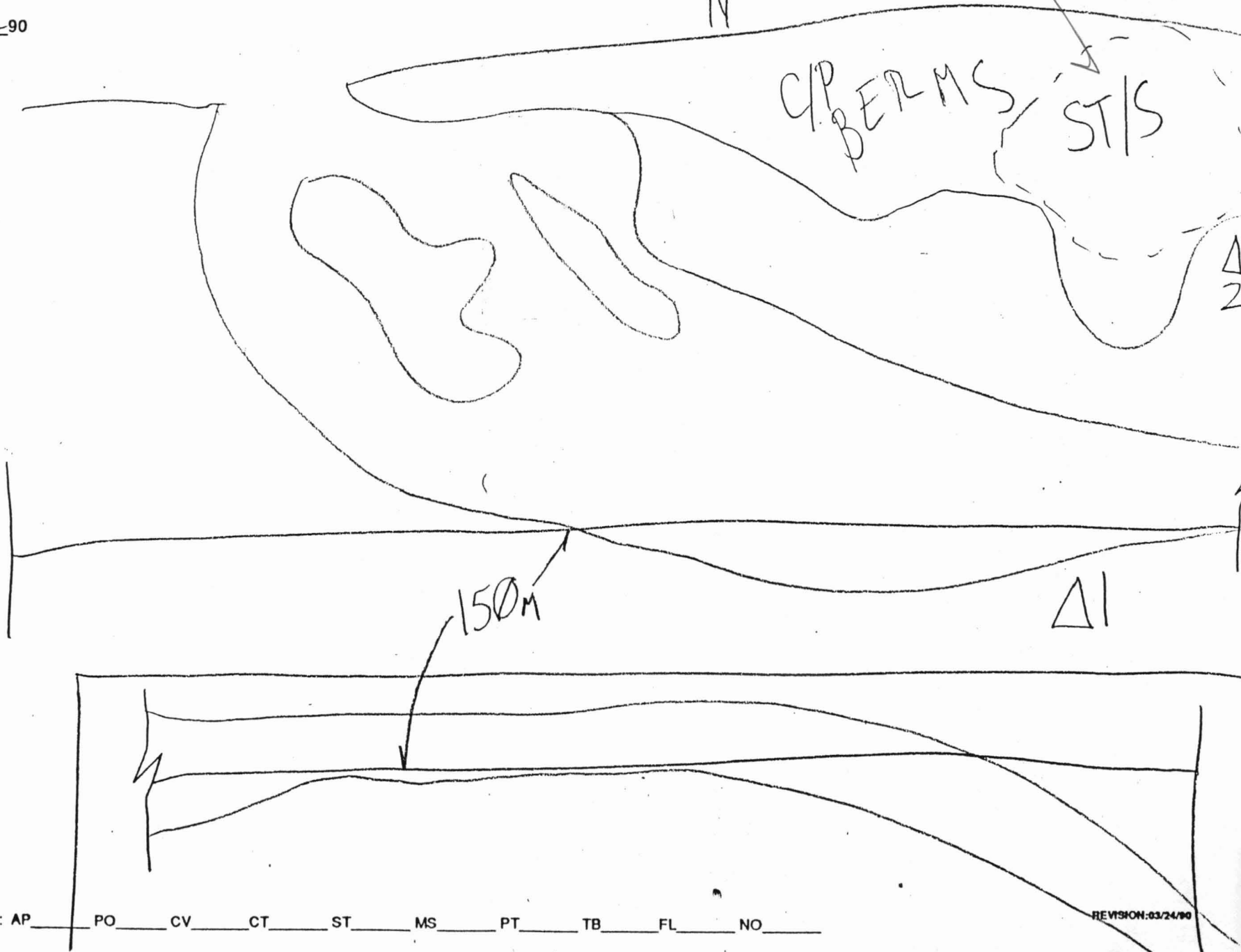
DATE 27, APR 90

CHECKLIST

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

LEGEND

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



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

ACE 6976631

FIELD SHORELINE COMMENT SHEET

55/63

SEGMENT ST / ⁰⁰³ MN 001 ^{MA 10/91} SUBDIVISION: 10 - 17150 DATE 4/27/90

USCG
NAME CWO McMATTON SIGNATURE [Signature]

☒ NO TREATMENT RECOMMENDED COMMENTS ☐ TREATMENT SUGGESTED

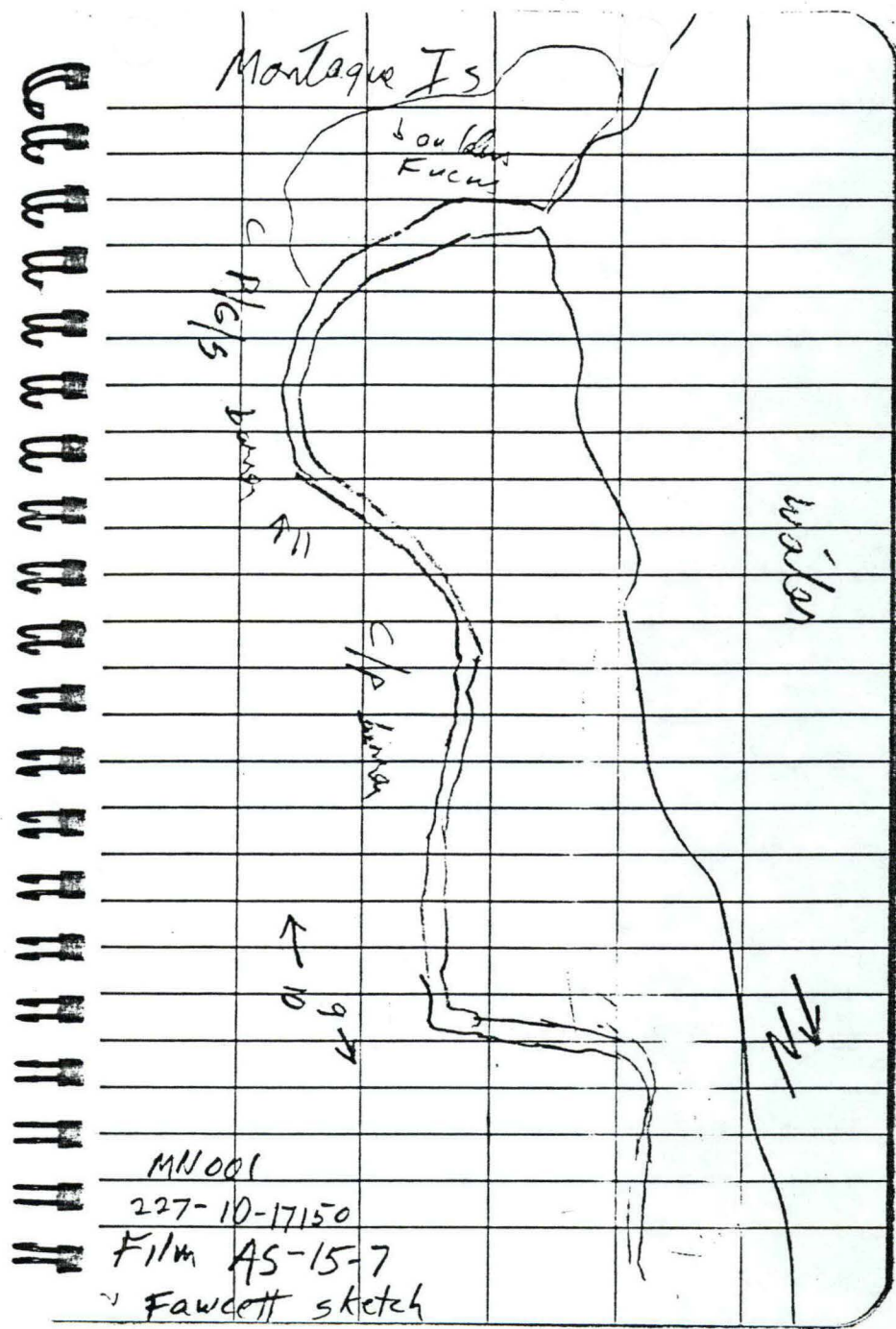
^{ADFT}
~~ADEC~~
NAME TOM CROWE SIGNATURE [Signature]

☒ NO TREATMENT RECOMMENDED COMMENTS ☐ TREATMENT SUGGESTED

LAND MANAGER
NAME _____ SIGNATURE _____

☐ NO TREATMENT RECOMMENDED COMMENTS ☐ TREATMENT SUGGESTED

ACE 6976627



MN001
227-10-17150
Film AS-15-7
Fawcett sketch

6163

SSAT DATA ENTRY FORM

PAGE 1 OF 2

GENERAL DATA

227-10-
SEG ID: MN 001 SUBDIV: 17150 TEAM: 45-15 SURVEY DATE: 4/27/90
PAVEMENT: CHAR — AREA 0 THICKNESS 0 TARBALLS 0
OILED: LGS — VEG — TRH — DBR — WAVE EXP: LW — MD X HG —
FAX RCVD: — DT: — AGENCY DISAGREE: —
EST SUBDIV LGTH: 150 OIL CATEGORY: W 0 M 0 N 0 VL 20 NO 130 U 0

SURFACE DATA

SURFACE SEDIMENT: BRK 0 BLD 5 COB 40 PEB 40 GRN 15 SAN 0 MUD 0 VEG 0

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

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

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

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

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

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

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

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

62/63

PAGE 2 OF 2

PIT # 1 PIT DEPTH 30 OIL CHARACTER - OIL INTVAL: FROM 0 TO 0
QUANT: OIL CLR: FLM CLR: ZONE: SU UI X MI LI
SUBSURF SEDIMENT: BRK BLD COB PEB X GRN X SAN X MUD VEG

PIT # 2 PIT DEPTH 35 OIL CHARACTER — OIL INTVAL: FROM 0 TO 0
QUANT: — OIL CLR: — FLM CLR: — ZONE: SU — UI — MI X LI —
SUBSURF SEDIMENT: BRK — BLD — COB — PEB X GRN X 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:

Segment MN001

4/27/90

Stream: 227-10-17150

Michael Fawcett

Ecological Summary

This is one of the larger streams in the area, with a long, meandering intertidal flood plain of mostly biologically barren boulders, cobbles, and pebbles. A MTZ boulderfield right at the stream mouth has a dense population of *Fucus* and associated barnacles, snails, etc. Only very light sporadic oil stains were found. No cleanup needed.

M Fawcett

10-2072 C
SEGMENT ST 1 MN 001 SUBDIVISION: 17150 17572 DATE 4/27/90

USCGNAME CWO MCMAHON SIGNATURE [Signature]☒ NO TREATMENT RECOMMENDED
COMMENTS☐ TREATMENT SUGGESTED

CHANGES

~~ADFC~~**ADEC**NAME TOM CROWE SIGNATURE [Signature]☒ NO TREATMENT RECOMMENDED
COMMENTS☐ TREATMENT SUGGESTED**LAND MANAGER**

NAME _____ SIGNATURE _____

☐ NO TREATMENT RECOMMENDED
COMMENTS☐ TREATMENT SUGGESTED

ACE 6976617

OG WILLIAM LEID USCG McMAHON SEGMENT ST/ MM001
 BIO MICHAEL FAWCETT LAND REP TOM CROWE ADEG STREAM 227-10-1730
 EXXON GUS GARCIA ADFG MIKE WIEDMER TIME 11:45 to 17:50
 TEAM NO. 15 TIDE LEVEL 0m DATE 27 / APR / 90
 EST. SUBDIVISION LENGTH: 150 m ☒ Sun ☐ Clouds ☐ Fog ☐ Rain ☐ Snow
 UPLANDS DESCRIPTION: ☒ Grass ☒ Forest ☐ Rock
 SURVEYED FROM: ☒ Foot ☐ Boat ☐ Helo
 SURFACE SEDIMENTS: R 75 % B 5 % C 40 % P 40 % G 15 % S 0 % M 0 % V 0
 SLOPE: Long 75 % Hang 25 % Vert 0 % WAVE EXPOSURE: ☐ Low ☒ Med ☐ H
 OIL CATEGORY LENGTH: W 0 m M 0 m N 0 m VL 20 m NO 13

SURFACE OIL

CHARACTER	DISTRIBUTION				OIL / FILM COLOR					IMPACTED ZONES			
	N	E	S	W	1	2	3	4	5	SU	M	M	U
ASPHALT PAVEMENT													
POOLED													
COVER													
COAT													
STAIN													
MOUSSE													
PATTIES													
TARBALLS													
FILM													
NO OIL													

CHANGED
 PAVEMENT H F S 0 sq. m by 0

PATTIES / TARBALLS 0

NEAR SHORE SHEEN? ☒ NO BR RW SL

OILED DEBRIS	AMOUNT			Did You C DEBRIS
	SM	MD	LG	
Logs				☐ YES ☒ NO
Vegetation				☐ YES ☒ NO
Trash				TYPE <u>0</u>
Debris				#BAGS <u>0</u>

Photographs:
 Roll No. AS-15-7
 Frames 9-11

SUBSURFACE OIL

PIT NO.	PIT DEPTH (cm)	SUBSURFACE OIL CHARACTER					OILED INTERVAL	BELOW		OIL / FILM COLOR					PIT ZONE				A N A	SHEEN (Y/N)	T	SURF SUBSUI SEDIM
		OP	OR	OL	OF	NO		NO	UC	1	2	3	4	5	SU	M	M	U				
1	30					X	.								X					N		G/S
2	35					X	.									X				N		P/G
							.															
							.															
							.															
							.															
							.															

COMMENTS

ACE 6976619

REVIEWED FW DATE 4-30-

APR-27-1990 19:26 FROM EXXON CMD CORDOBA TO SCAT TEAM P.51

59/63 OG WILLIAM REID
SEGMENT ST/ MN001

SKETCH MAP

STREAM 227-10-17150

DATE 27, 1990

CHECKLIST

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

LEGEND

1 Δ
PI - No Subsurface Oil

2 Δ
PI - Subsurface Oil

CT/C
Continuous Distribution

CT/D
Broken Distribution

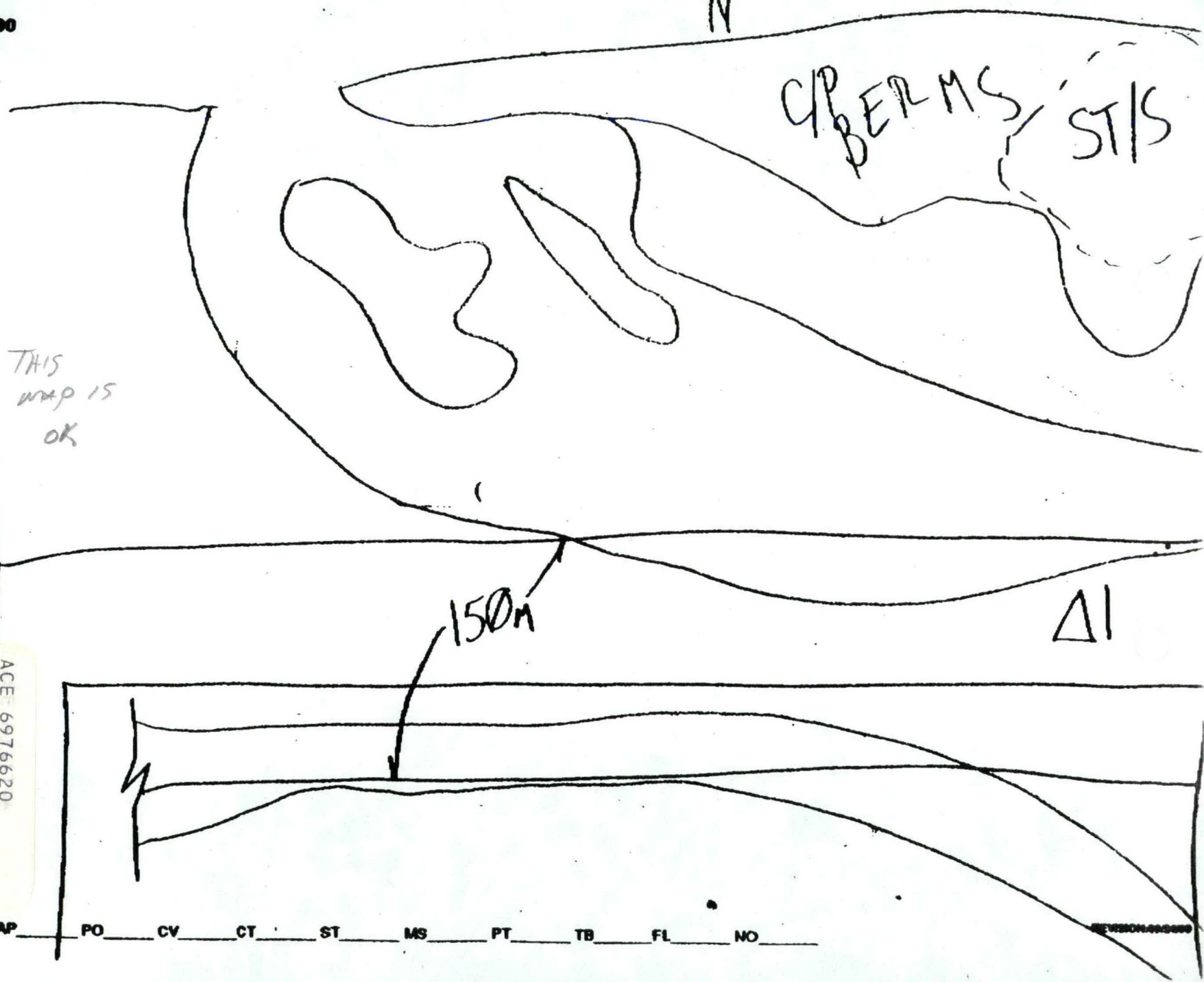
CT/P
Patchy Distribution

CT/S
Spotted Distribution

eee
Oiled Vegetation

1 →
Photo location, direction, and number

ACE 6976620



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

63/6

Segment MN001

4/27/90

Stream 227-10-17150

Michael Fawcett

Ecological Summary

This is one of the larger streams in the area, with a long, meandering intertidal flood plain of mostly biologically barren boulders, cobbles, and pebbles. A MTZ boulderfield right at the stream mouth has a dense population of *Fucus* and associated barnacles, snails etc. Only very light sporadic oil stains were found. No cleanup needed.

M Fawcett

504

462

540

ECOLOGICAL MAP

MN-01

1A

ST(-)

11 PM 270

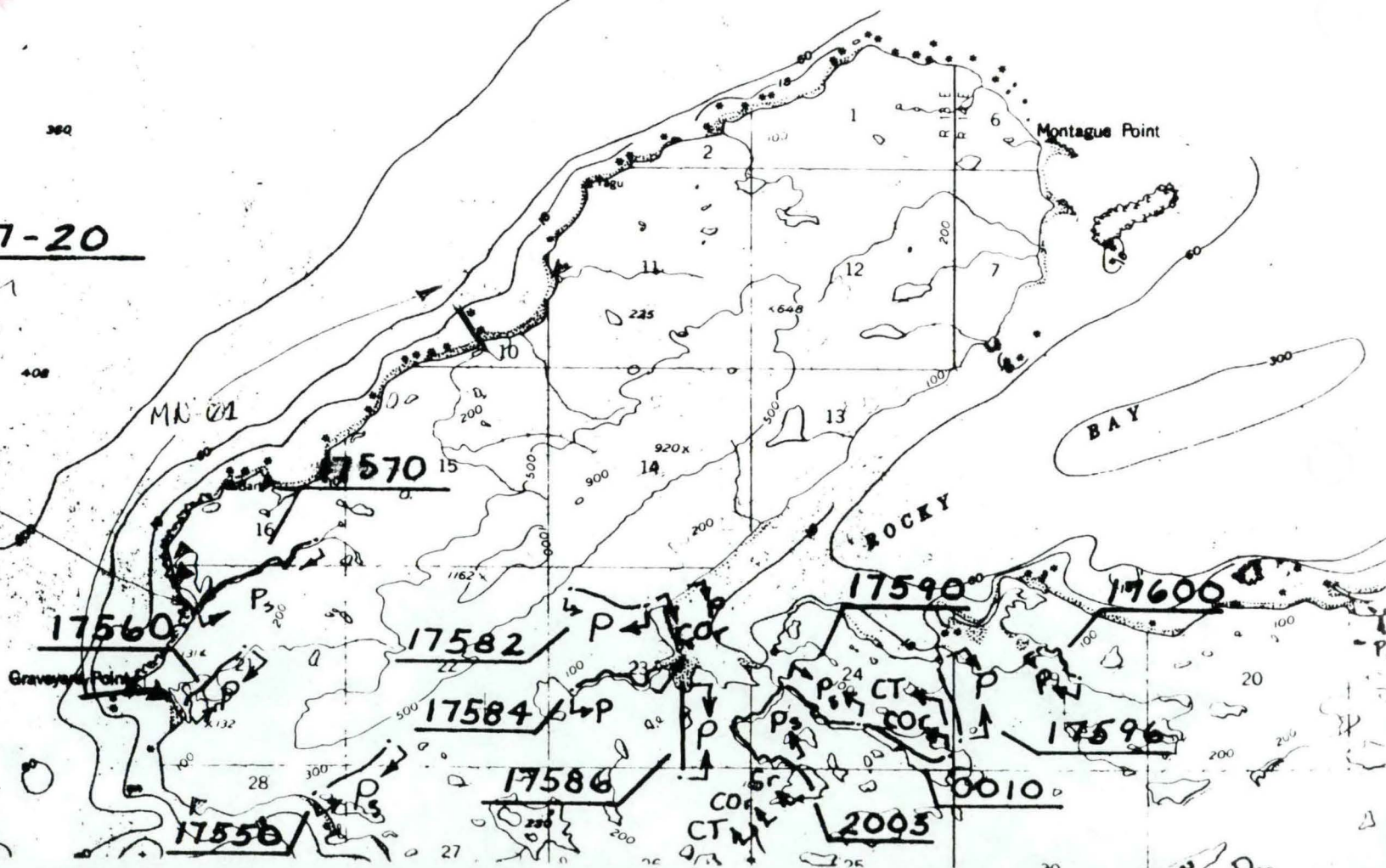
▲ CALD SCALE INCHES

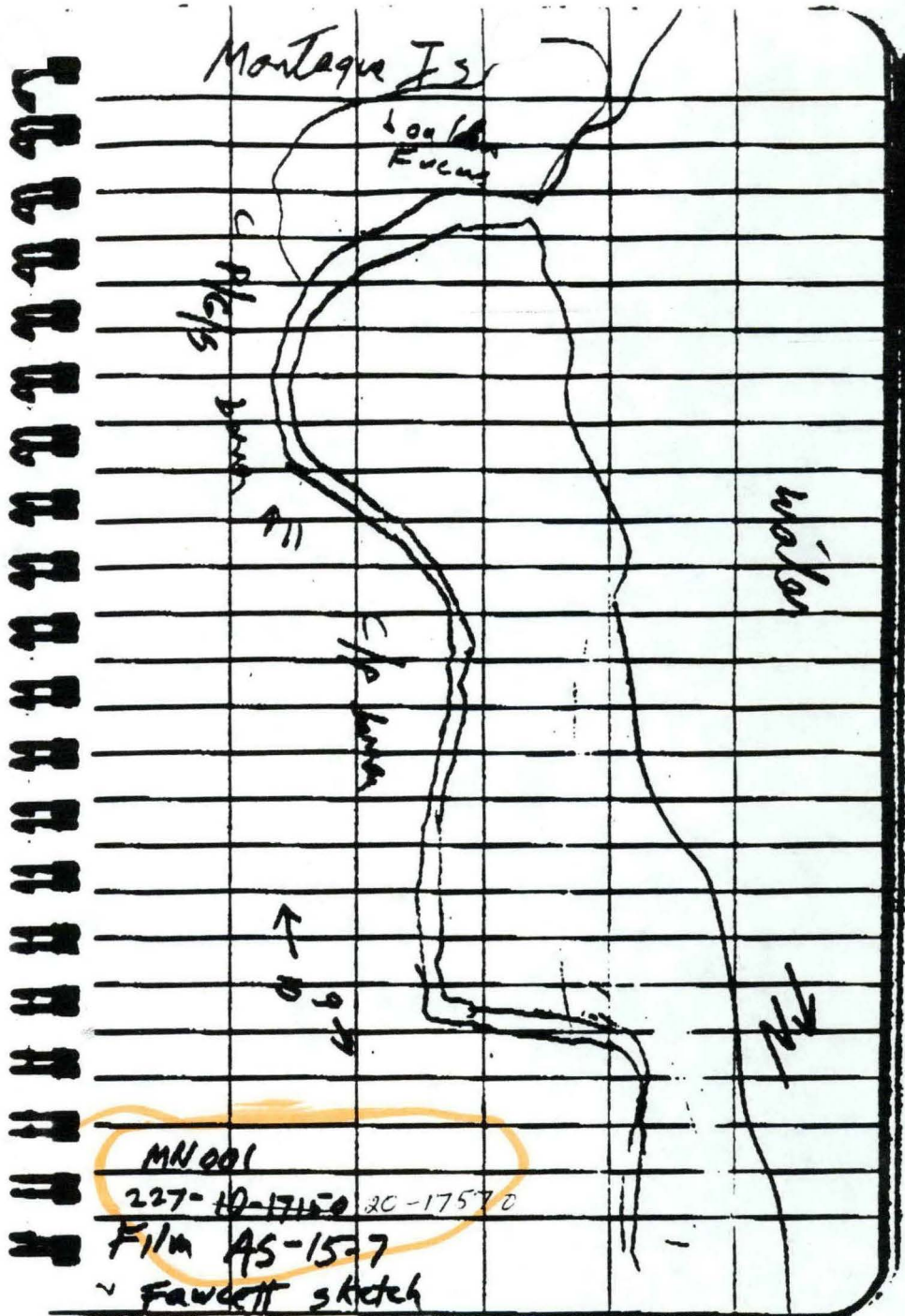
THIS MAP WAS

ADDED SHOWING WRONG
STREAM227-20SUBJECT STREAM
227-20-17570
(B, 11/85)

ACE 6976622

Prints Document





MN001

227-10-17150 20-17570

Film AS-15-7

~ Fawcett sketch

CHANGED

OUR OWN DOCUMENTATION
CHANGE HERE

56

ADFG MULTI-ASSESSMENT DATA FORM

1 SURVEY TYPE: BS SS DS TS AVS SCH HPMS PTA 2 REGION: PR CP CI K AP

METHOD: Aerial Ground Boat

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

4 START TIME: 1140 16 HIGH TIDE HTS: 1 22 OBSERVERS: MIKE WILSON

5 STOP TIME: 1224 17 LOW TIDE TIMES: 1 23 AGENCY: ADFG (ANADSC)

6 SEGMENT #: DN001 18 LOW TIDE HTS: 1 24 PHOTOS TAKEN: Y N

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

8 K-UNIT: _____ Ebb Slack Flood Slack 25 VIDEO TAKEN: Y N TAPE#: _____

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

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

12 SOURCE: Map Loran 011 _____

13 LOCATION: MONTAGUE ISLAND Sediment _____

14 DESCRIPTION: _____ Biological _____

Water _____

EXTENT OF OIL

	SHORELINE				STREAM			
	L	W	H ²	S	L	W	H ²	S
27 SURFACE COVERAGE								
28 SURFACE THICKNESS			SEI		map			
29 PENETRATION								

30 OVERALL OIL IMPACT: N Y L N N

31 OIL TYPE: Pooled House Tar Asphalt Sticky SEAN

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/stilt

36 CATALOGED ANAD. FISH STREAM? Y N

37 CATALOG #: 227-10-47150
20-17571

38 STREAM NAME: _____

39 OIL IN STREAM BED? Y N

40 OIL ON STREAM BANKS? Y N

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

42 OIL WITHIN 1 MILE OF STREAM Y N

Where: _____

43 ANADROMOUS FISH PRESENT? Y N

44 ANADROMOUS FISH OBSERVATION

Species	Aerial	Ground
<u>ANR</u>		<u>X</u>

COMMENTS: NO TREATMENT

I agree with recommendation. M H Fawcett

ACE 6976624

57/6

45 PHOTOLOG

AD+G MAP

FRAME(S)

DESCRIPTION

RECOMMEND: NO TREATMENT

48 OIL DISTRIBUTION DIAGRAM

P.W.S.

MN 001
227-10-17150
4/27/90

TW

MONTAGUE
ANADSCAT

Storm berm

LEAK-SPRINT STAIN

Storm berm

Sample taken
Photo frame # and
shot direction.

ACE 6976625 -15

OPERATIONS FIELD NOTLS

See Back for Instructions

54/63

SEGMENT ID ANAD MN-001
 STREAM ID # 227-10-17150
 ANNOTATED MAP INCLUDED Y/N

DATE 4-27-90
 NAME GARCIA
 TEAM # 15

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	VERY	LIGHT	AND	NONE						
Medium Band	VERY	SPORADICALLY								
Narrow Band	STAINED									
Very Light										
TOTAL MANDAYS					0		0		0	

SUBSURFACE OIL - NONE

Other (Describe)?	

TARMATS	Quantities in Meters			Treatment Rec			# of Bags	Mandays Required	
	Length	Width	Thick(cm)	None	Breakup	Remove		Breakup	Remove
Area #1	NONE								
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	NONE							
"Pocket" #2								
"Pocket" #3								
Random/Continuous								

OILED LOGS <u>Y/N</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/N How Many Bags? — Is it mingled with the Oiled Debris Y/N

GENERAL Snow covering 0 % of the Supratidal Zone?

Wave Exposure H/M/L Access Limitations: NONE

Snare Boom/Pom Poms Recommended? NO

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

COMMENTS:

NO TREATMENT RECOMMENDED FOR THIS STREAM.

ADP46- Sport/Com Fish survey - Spring 89

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

NAME: Montague W. Side

USGS MAP: Seward A-2

MAP #:

DATE: 4-20-89

TIME OF SURVEY: 825

LOW TIDE -1.6 TIME 0755

COLLECTORS: DR. J. SM

ASC# 287-10-17150

OIL TYPES PRESENT (1 2 3 4)

PHOTO #: 36 Roll #9

STREAM CATALOG #: 17150

SCALE: ONE GRID EQUALS

North of
seg MN003

NO OIL
SHEEN
MOUSSE
BLACK OIL

may have new
ASC#



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

COMMENTS:

ACE 6331771

CATALOG NUMBER: 2271017150

STREAM NAME:

LOCATION: MONTAGUE ISLAND, POINT BAZIL, NORTH OF

SEGMENT NUMBER: ~~MN003~~ *no scat*

SHORELINE TYPE:

DATE: 04/12/90 TIME: -0705

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

COMMENTS:

UPPER STORM TIDE BERM COVERED WITH SNOW. MAP 4/89 SHOWS OIL PRESENT UNDER SNOW. UNABLE TO OBSERVE. OILING IS VERY LIGHT.

OIL ON STREAM BANKS: YES

WITHIN 1 MILE OF STREAM: YES, SEE MAP

OIL

CATALOG NUMBER: 2271017150

STREAM NAME:

LOCATION: MONTAGUE ISLAND, POINT BAZIL, NORTH OF

SEGMENT NUMBER: ~~MN003~~ *no scat*

SHORELINE TYPE:

DATE: 04/27/90 TIME: -1224

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

COMMENTS:

NO TREATMENT.

STREAM BANKS: YES

MILE OF STREAM: NO

OIL ON
OIL WITHIN 1



OFFICIAL PHOTOGRAPH ADF&G EXXON VALDEZ OIL SPILL

OFFICE: VALDEZ

DATE: 09/02/89

TIME: -0-

SEGMENT#: MN003

STATION#: 2271017150

LOCATION: MONTAGUE ISLAND

REASON FOR TAKING PHOTO: AERIAL PHOTO - STREAM MOUTH INTERTIDAL
ZONE. (MAP 28)

TAKEN BY: TOM CROWE

INITIALS: _____

ROLL #: 89TWC004V FRAME #: 09

EVIDENCE ID#: 10204

ACE 6976613

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

NAME: *Montague W Side*

USGS MAP: *Seward A-2*

MAP #:

DATE: *4-26-89*

TIME OF SURVEY: *12:30*

LOW TIDE *-1.6* TIME *0755*

COLLECTORS: *DR & SM*

287-10-17150

OIL TYPES PRESENT (1 2 3 4)

PHOTO #: *24* Roll # *9*

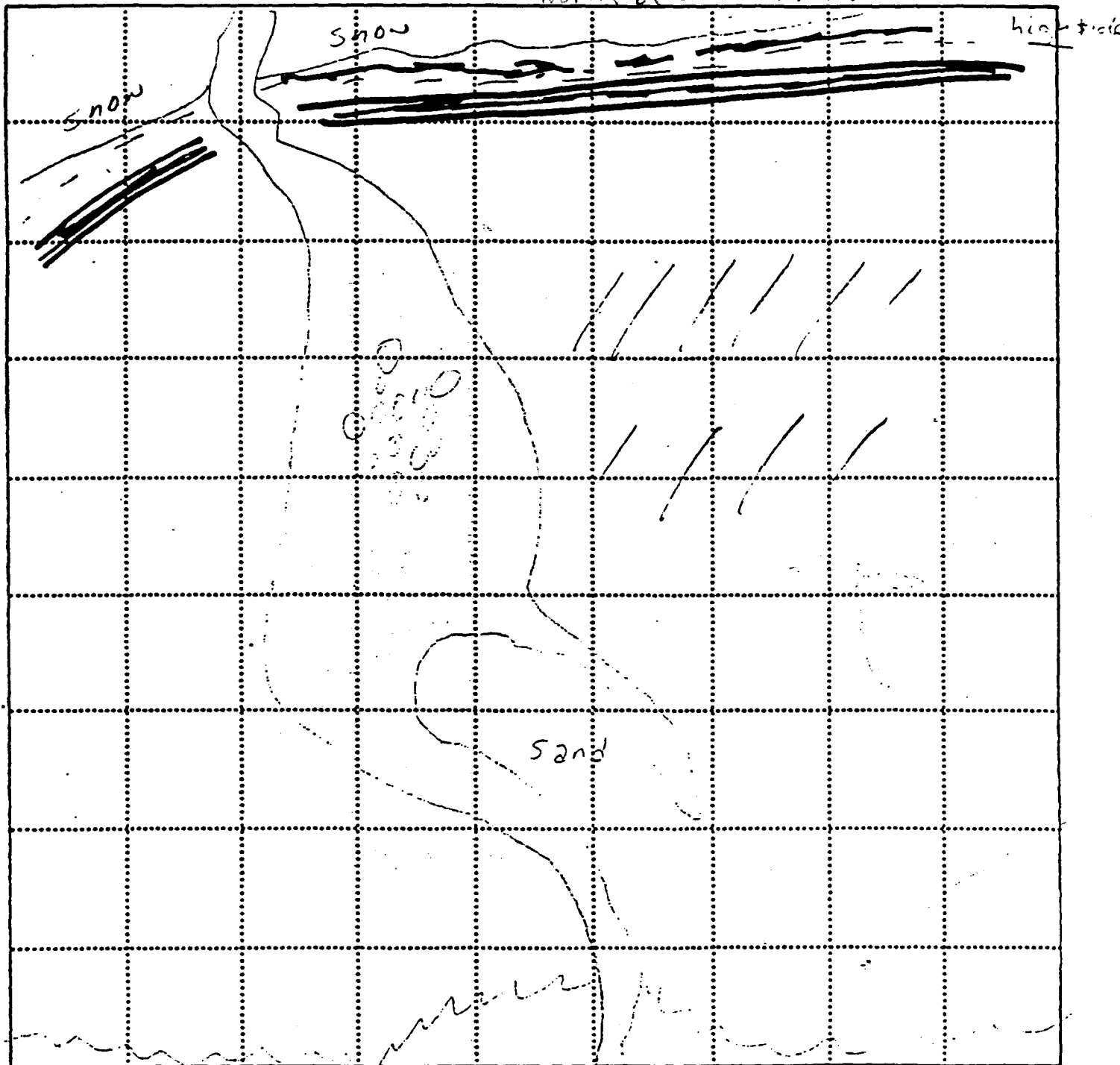
STREAM CATALOG #: *17150*

SCALE: ONE GRID EQUALS

NO OIL
SHEEN
MOUSSE
BLACK OIL

check newitt

North of 330 h. MOORE



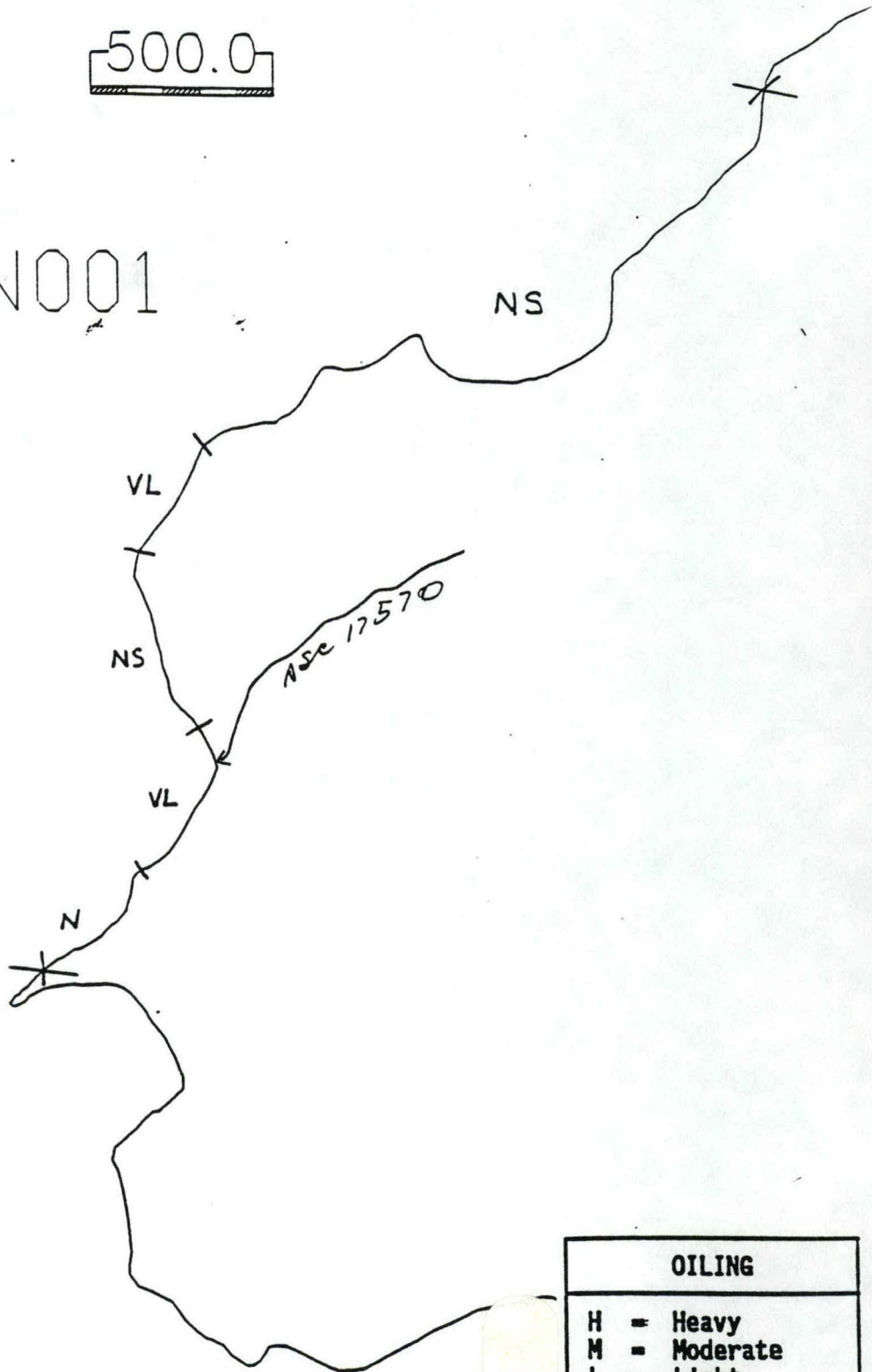
COLOR CODE: 1) NO OIL - BLANK 2) SHEEN - GREEN 3) MOUSSE - BROWN 4) BLACK OIL - BLACK

COMMENTS:

ACE 6976651

500.0

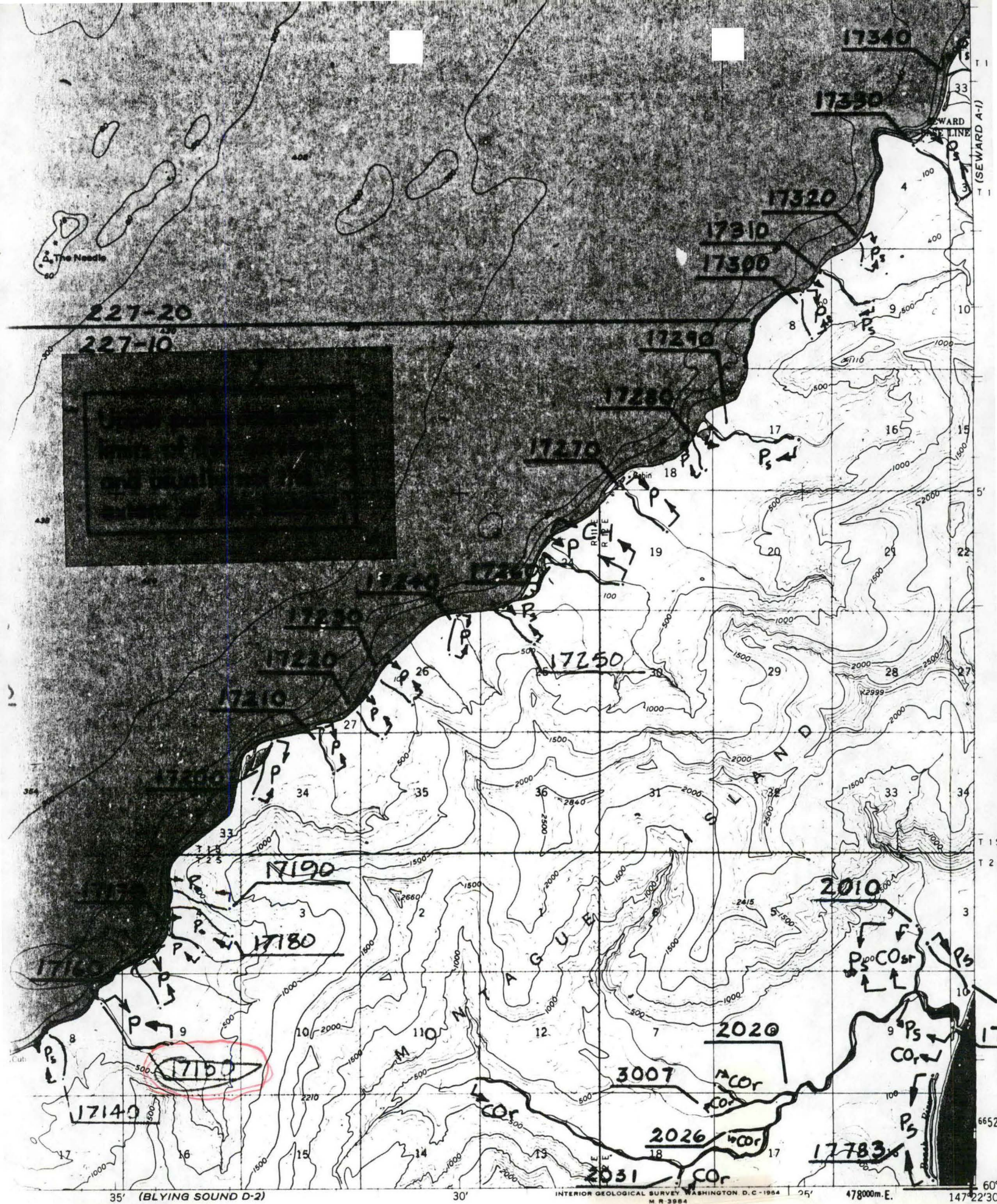
MN001



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

ACE 6976652

ADEC Sep/Oct 1989 Survey



SAMPLE TAK SET SAMPLE LOG AND SAMPLE VIDEO
FOR OIL CONDITIONS.

ACE 6976654

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

NAME: *Montague W side*
USGS MAP: *Seward A-2*
MAP #:
DATE: *4-26-89*
TIME OF SURVEY: *12:30*
LOW TIDE *-1.6* TIME *0755*
COLLECTORS: *DR & SN*

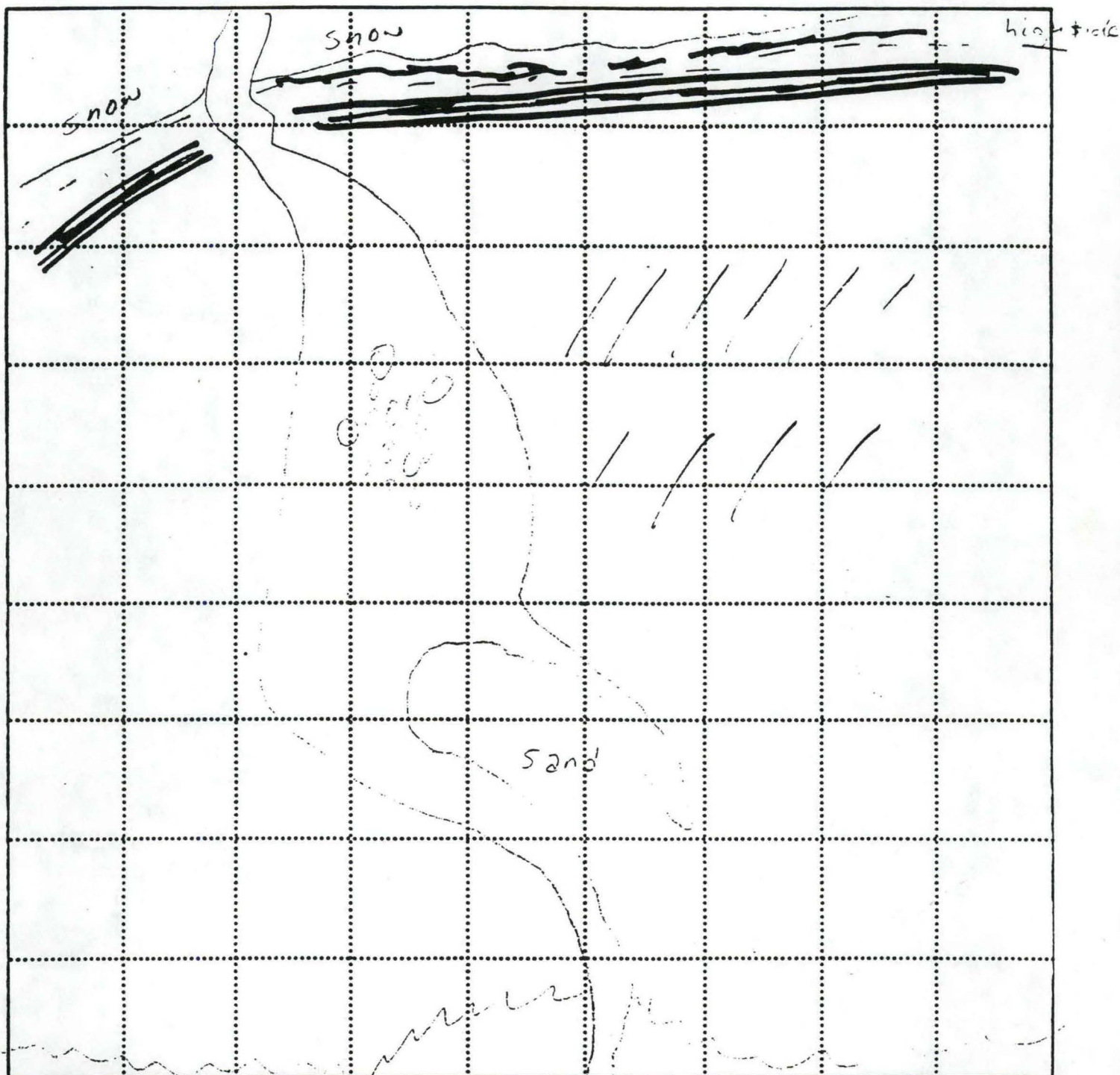
OIL TYPES PRESENT (1 2 3 4)

PHOTO #: *21* Roll # *9*

STREAM CATALOG #: *17150*

SCALE: ONE GRID EQUALS *1/4 MI*

NO OIL
SHEEN
MOUSSE
BLACK OIL



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

COMMENTS:

ACE 6976655-1/4 AC/AF