

KN-007 ASC 16872 Stream
BAY OF ISLES see KN001 KN001

ACE 1369616

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 _____

(version 5/02/89)

SHORELINE CLEANUP PROGRAM

DATE May 16, 1989

SHORELINE SEGMENT KN-7

LOCATION: (see enclosed map) Knight Island, Bay of Isles, west arm
narrows, south shore.

ADEC NO. _____ SHORELINE ASSESSMENT DATE: 5/8/89

Recommended Cleanup Activity(ies):

Warm water under pressure with cold water flushing and skimmers.
cleanup to follow tide level.

Manually remove oil debris

Priorities Considerations:

Heavy oil on rocks, trapped in fucus. Considerable free oil, pooled
oil, mousse.

*Revert oil shore - entering lagoon & stream mouth thru use
of sorbent booms*

Ecological Constraints (from site survey):

Adjacent to ~~probable~~ spawning stream. Check with ADF&G. *-Done*

Known anadromous fish

Approved for removal - Window to July 1.

Avoid oil shore.

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.

Douglas Reger

State Historic Preservation Officer *

Date: 5/16/89

EXXON: _____

Date: _____

FOSC: _____

Date: _____

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

ADEC EXXON VALDEZ POST-TREATMENT SURVEY REPORT

SEGMENT#: KN007 DATE: 10/01/89
 LOCATION: BAY OF ISLES, KNIGHT I. TIME: 10:50

Survey Type: Boat, Ground
 Team: L. Gresehover, P. Endres

WEATHER AND SEA CONDITIONS

Weather: Cloudy Wind Direction: 0
 Sea State: Calm Knots: 0

Low Tide: 21:11 Feet: -0.3 High Tide: 2:51 Feet: 11.7
 Low Tide: 8:43 Feet: 1.46 High Tide: 14:47 Feet: 12.9

SHORELINE DESCRIPTION

Shoretypes: LR
 (H=headland, LR=low-lying rock, B=beach, C=cove, L=lagoon, M=marsh)
 Wave Exposure: M,L (H=high, M=moderate, L=low)
 Shoreline Composition: R,B
 (R=bedrock, B=boulder, C=cobble, G=gravel, S=sand, M=silt)

OIL CHARACTERISTICS

Degree of Oiling: M
 (N=none, VL=very light, L=Light, M=moderate, H=heavy)
 Area of Impact: H,M
 (S=supratidal, H=high intertidal, M=mid tidal, L=low intertidal)
 Max. Oil Thickness: 3 mm (1 = 1 mm or less, 0 = no oil)
 Max. Oil Penetration: 8 cm (35 = 35 cm or greater)
 Percent Segment Categorized as Oiled: 100%
 Presence of Oiled Driftwood (y/n): n
 Oil Types: SY,T
 (P=pooled, M=mousse, SY=sticky, T=tar, A=asphalt, ST=stain)
 Samples: KN007-1 / KN007-2 / none / none

DAMAGED OR OILED ORGANISMS

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

SOLID WASTE FOUND

Type: None
 Bags Collected: 0

Draft

Printed: 12/12/89 11:28

Walk-a-thon

ACE 7378275

SHORELINE OIL EVALUATIONDate: 5/8/89 Time: 1000Observer: STOKERSurveyed From: Foot/Boat/Helio/PlaneWeather: Sun Cloud/Rain/Snow/FogLOCATIONLOCATION Knight Is, W. Arm Narrows, N side SEGMENT NUMBER KN-7LENGTH OF SHORELINE SEGMENT: 300 mACCESS: Foot/Vehicle/Boat/Barge/Helio/Float PlaneSHORELINE:Shoreline Type: SPI/BEA/COV HLD/STRTSlope: LANG HANG/VERWave Exposure: High Med / LowSediment: B 50 % / C 40 % / P 10 % / G % / S % / M % / R %Drift Debris on Beach: Yes / No Supra/Upper / Mid / Lower Type log, fenceOILDegree of Oiling: Heavy/Moderate / Light / No Oil / UnobservedArea of Beach Impact: SU / SP / H / M / LContinuous: Y % of Segment 250 Width of Band: ± 10 mSporadic: N % of Segment 50Est. Oil Thickness where > 1cm: 5 cm Est. Oil Penetration: To 10 cmPooled Oil: 15 % "Free" Oil: 30 % Coated: H 50 % / M 20 % / L %Fresh 20 % Mousse 15 % Tar Formation: %Drift Debris Oiled ? Yes / No Supra/Upper / Mid / Lower Amount: H/M/L

Comments:

Heavy Oiling, pooled oil, mousse at or near point
in band ± 10 m wide, 50 m long. See accompanying
Diagram. Recommend cleanup of this area only,
using hot water under pressure, with flooding.

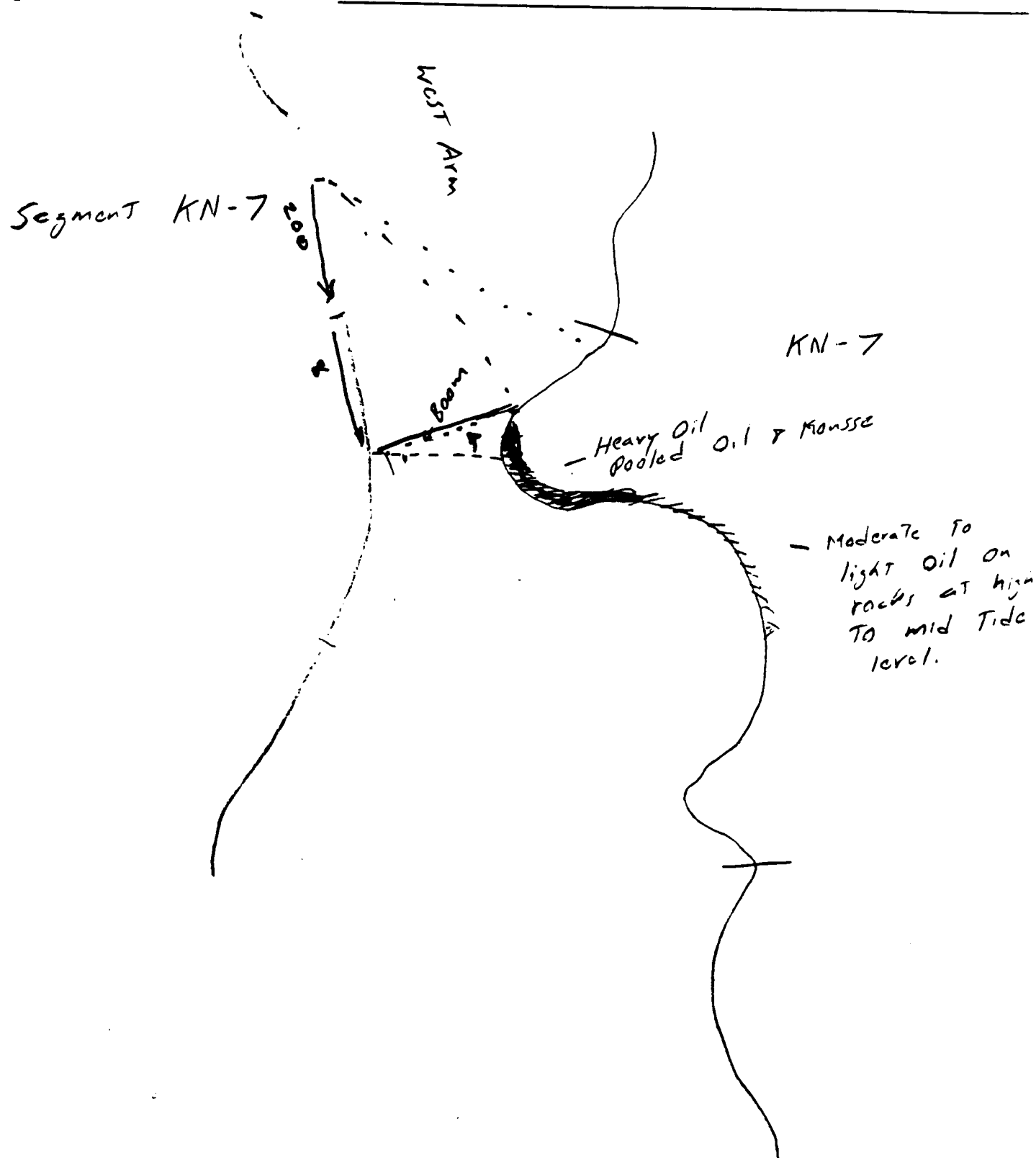
DOCUMENTATION:

Map/Aerial photo marking segment boundaries _____

VTR: Y/N - Tape Number(s) _____

Photography: Y/N Roll Number(s) _____

Sample Numbers Collected: _____



ECOLOGICAL EVALUATION

LOCATION: Knight Is, Bay of Islands SITE: West Arm Narrows, N. side OBSERVER: StokerLOCATION PREFIX: KN SEG. NO.: KN-7 LENGTH: 300 (M)DATE: 5/8/89 TIME (HHMM): 1900 TIDE HT.: _____ (M)OILED ZONE: Splash High Medium LowSUBSTRATUM: Rocks Boulder Cobble Gravel Sand Mud

LIVE BIOTA

Fucus (algae): Patchy Y/N Contin. Y/N Dense Y/N Sparse Y/N None Y/NVariable density from high to low tide level.Mytilus (Mussels): Patchy Y/N Contin. Y/N Dense Y/N Sparse Y/N None Y/NVariable density on rocks and in cobble.Balanus (Barnacles): Patchy Y/N Contin. Y/N Dense Y/N Sparse Y/N None Y/NVariable distribution from high to low tide level, moderate to high density.LittorinaPatchy Y/N Contin. Y/N Dense Y/N Sparse Y/N None Y/NVariable distribution, sparse but commonLimpets: Patchy Y/N Contin. Y/N Dense Y/N Sparse Y/N None Y/NVariable distribution, sparse but commonOTHER OBSERVATIONS: Triglops, Ampipeds, Pagurus, Blennies allCommon under rocks. Eelgrass (Zostera) subtidal in Arm.CLEANUP PRECAUTIONS: Vigorous cleaning recommended only for vicinity of
POINT where mouse & pooled oil present.MAMMALS: Otters X Harbor Seals _____ Sea Lions _____ Whales _____
Other _____

BIRDS: _____

GENERAL OBSERVATIONS: Boom is marginally effective.

(version of 4/29/89)

CULTURAL RESOURCE EVALUATION

Date May 8, 1989 Location Knight Island Site Bay of Isles West Arm
Location Prefix KN Segment # 7 Length 300

Survey Method:

Air _____ (A - indicate on map) Boat X (A - indicate on map)
Ground X (G - indicate on map)

Known cultural resources (AHRS #) Ø Data Source _____

Oil conditions/beach visibility oiling is heavy at 1-3m above present tide level on peninsula

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

Cultural resources observed in beach zone (AHRS code) Ø

Cultural resources observed in tree fringe (AHRS code) Ø

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

Shore Profile steep rocky headland with broad beach to east

Fresh Water Sources major salmon stream west of segment

Sea Exposure overlook West Arm of Bay of Isles

Access/Safety calm waters due to the narrowness of the West Arm

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

Monitoring during cleanup needed yes/no Collection yes/no

Photos: Color Roll # _____ Frames _____

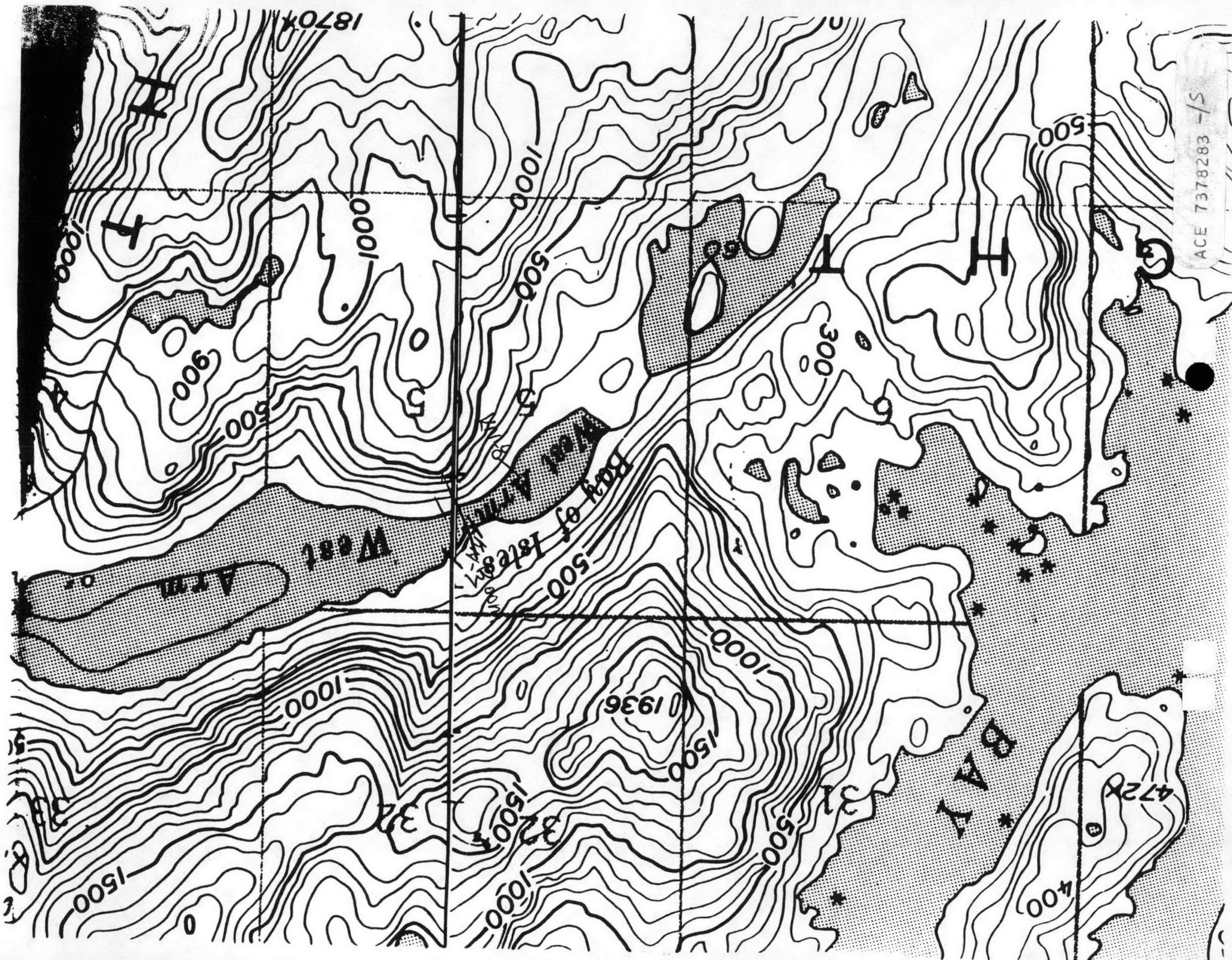
B/W Roll # SL-1 Frames 15

Observer(s) Ludwig

Time survey started 10:00 am Time survey ended 10:40 am

Cultural resource considerations/restraints:

If heretofore undiscovered cultural materials are uncovered during cleanup, contact Exxon archaeologist C. Moberg and take actions prescribed in the Operational Guidelines for Shoreline Cleanup dated 4/21/89 as amended.



ACE 7378283 -15

500.0

KN007

AS 12/16/81

3

N

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

ANEC Sep/Oct 1989 Survey

ACE 7378284 - 12/AC/RT

Ecology Map

source codes for entire segment

A,B - Stream 226-30-16872 within
100m of segment boundary in
segment KN201

KN-20

Map from 1990
SSAP

2M

6Y

KN-07



XXXX Wide

//// Medium

--- Narrow

TTTT Very Light

KN-7

Total Segment Length: 532



Map Key: PWS-411

Name: _____

Date: _____

ACE 7222433

State of Alaska
Department of Fish and Game
Habitat Division

Page__of__

Field Inspection Report

Date 5-19-90 Time 1335

Location: (Logging unit/Road/Waterbody) KN201 West Arm Bay 756
ASC # 226-30-16872 DO AW
Stream on south side as well as 16872 on north

Operator/Contractor: SXXON/VERO

Individuals present at time of inspection:

Name Representing

Ken Keane USCG
R. Custer ADEG
Deter Rubenstein NOAA/NEPA

Activity/Situation Observed: observed treated area + missed
oil patches / observed snagscat stream
see if work was done - Needs more work
(Time 1st. work was completed satisfactorily.)

Pertinent Statutes/Regulations: AK Title 16

Recommended/Required Action (Specify): both streams need
manual removal of tar wadis + patches
filling

By (date) _____ (if applicable)

Please note: This is not a final inspection report. It is intended to provide the operator/contractor with a notice of problems or concerns which require immediate attention. If necessary, a final inspection report will be issued at a subsequent date.

Rick Quoten ADEG Tech 3
Fish and Game Representative/Title Company Representative/Title