

- Prince Willies, Sumar

.

DOCUMENTS IN STREAM FILES

ASC#

Segment # ____

State of Alaska Department of Fish and Game Habitat Division

			Page of
	Field Inspecti	on Report	Fage01
		Date June 1 199	0 Time /400
Location: (Logging unit $\frac{1 < N_{16} + T}{15}$ 30 - 16870 - Lake st	Road/Waterbody) ASC# 1686 rean with sockey	N 201 BA 9 (226-30 e.run	+Y OF ISLES -16869)
Operator/Contractor:			
Individuals present at <u>Name</u>	time of inspection: <u>Represent</u>	ing	
Activity/Situation Obse 15t cleanup eff	rved: Oil s furf - Tarmet	fill remaining	after ones vegetation
(June 1 st. w.	or K was compl	leted satisfa	ctarily)
Pertinent Statutes/Regu	lations: <u>AK. 54</u>	Latutes t.	4616
Recommended/Required Ac	tion (Specify):		
Remove remain	ming farmats wer ITZ both	patties, oile streams bor	& vege, oil Res. the banks.
By (date)		(if applicable)	
Please note: This is r the operator/contractor immediate attention. I subsequent date	with a notice of pr f necessary, a final	oblems or concern	s which require
Fich and Came Daniel	aster ADF6 Tell 7.	Company Represent	
Fish and Game Represent	alive/iitle	company Represent	ative/litle

State of Alaska Department of Fish and Game Habitat Division

Page | of |

Field Inspection Report

Date May 31-90 Time 1235-1600 Location: (Logging unit/Road/Waterbody) KN 201-Bay of Isles, Knight Island - Anadromous Stream # 226-20-16869 Operator/Contractor: Exxon/Veco Individuals present at time of inspection: Representing Name Craig Levine Exxon Rod Reunolds Veco Steve Emmanua COPS Activity/Situation Observed: This oiled anad fish stream somehow missed the ANADSCAT survey, Etton agreed to clean, area was treated sueeks prior insufficiently, koustin returned with USCG commander keaped agreed on further removal of loited material. When I arrived, I crewof 10 people were working in The adjacent segment, They cuentually worked there way over & began working the stream area. I left belfore they finished, but they looked to be doine a good job. All Reps. quite cooperative Pertinent Statutes/Regulations: Recommended/Required Action (Specify): Crewwas due to complete treatment that day and move over to streams # 16820 9 16822 today or tommorrow Rick Gustin will monitor treatment tommorrow

(if applicable) By (date)

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.

mee Weseman/Fishtwildlife Tech. Fish and Game Representative/Title Company Representative/Title

Rick Gustin FWT3 June 1, 1990

KN201 Bay Isles West Arm ASC#226-30-16870 Head ASC#226-30-16869 Head

Neither of these lightly oiled streams were anadscatted, but both were treated by manual removal techniques. Areas of oiling consisted primarily of scattered tar patties, oiled grasses, and some broken tar mats. There was very little penetration beneath these oiled spots. Oiling covered UITZ to lower ITZ in random patches. A thorough job was done and the crew departed that afternoon. I am satisfied with the results, and recommend no further treatment. Approximately 1 super sack of oiled gravel was removed from these two streams combined. (version 5/02/89)

SHORELINE CLEANUP PROGRAM

DATE <u> </u>	5/22/89	. <u> </u>	. <u> </u>	SHORELI	NE SI	EGMI	ENT	KN - 201	
LOCATION	I:(see	enclosed	map) <u>KNIGHT</u>	ISLAND,	BAY	OF	ISLES,	HEAD	OF
WEST									

ADEC NO._____SHORELINE ASSESSMENT DATE:__

Recommended Cleanup Activity(ies):

Manually pick up oiled debris and scrape up patches of oiled sediments.

Priorities Considerations: CLASSI

Ecological Constraints (from site survey): Manual removal of oiled gravel and debri in possible solution stream fladplain at head of bay must take place before the stream swells in summer. Restrict number of people and access in stream area and adjacent grassy areas. Exercise care in the grass area - cut oiled grasses by hand, scoop and shored patches of oiled soil/gravel. Cleanup restricted to manual methods due to amount of oil peset combined with scisitivities of salmon and grasses/soil. Archeological Constraints (from site survey): If heretofore undiscovered cultural materials are uncovered during cleanup, contact Exxon's Archeological Field Director and take actions prescribed in the Operational Guidelines for Shoreline Cleanup dated 4/21/89 as amended.

	Date:
Officer *	
	Date:
	Date:

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

raye 1

SHORELINE OIL EVALUATIO

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Date: 5/22/89/ Time: 1200-1230	Observer: C. Dillan
Surveyed From: Foot/Boat/Helio/Plane	Weather: Sun/Cloud/Rain/Snow/
LOCATION	
LOCATION KNIGHT ISLAND	SEGMENT NUMBER
LENGTH OF SHORELINE SEGMENT: 45	
ACCESS: Foot/Vehicle/Boat/Barge/Hel	io/Float Plane
SHORELINE:	
Shoreline Type:SPI/BEA/COV/HLD/STRT	Slope: LANG ALANG VER
Wave Exposure: High/Med/Low	
Sediment: B15 + / C60 + / P-5 + / G_	_ * / S * / M * /R *
Drift Debris on Beach: Yes No	Supra Upper/Mid/Lower Type logs al
OIL	
Degree of Oiling: Heavy/Moderate,	Light/No Oil/Unobserved
Area of Beach Impact: SU / SP / H /	N L
Continuous: Y/N % of Segment_	Width of Band:
Sporadic: YN & of Segment_	75
Est. Oil Thickness where > 1cm:	cm Est. Oil Penetration:
Pooled Oil:% "Free" Oil:%	<pre>% Coated: H* /M_75_* /L*</pre>
Fresh & Mousse	Tar Formation: <u>>5</u> *
Drift Debris Oiled ? Yes No Supra/L	Upper/Mid/Lower Amount: H/M/L/
Comments:	
Segment is unriled	except for a few small
tathes of taring and	. Fefer to diagram for detail.
- Falleres el laria urante	
Arise some patches of oi	led/moussed alaactarass twias.

	NTATION:							
Map/Ae	rial phot	:o marki	ing segme	nt bounda	ries	ATTACH	ED	
VTR:	YN	Tape	Number(s)					
Photog	raphy:	YN	Roll Nu	umber(s)				
Sample	Numbers	Collect	.ed:	NONE				

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ECOLOGICAL EVALUATION

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LOCAT	ON DEETY. KA	CEC NO	. 201		150
	ON PREFIX: KN				
DATE:	05/22/89 T	IME (HHMM):	_1145	TIDE HT.:	
OILED	ZONE: Splash A	ligh Medium) Low		
SUBSTR	ATUM: ROCKS BO	oulder cobb	Gravel	Sand Mud	
LIVE P	IOTA	Ú			
<u>Pucus</u>	(algae): Patchy	ON Conti	n. Y/N Den	se Y/N Spar:	se //N None
Mytilu	(Mussels): Pa	tchy YN C	ontin. Y/N	Dense Y/N	Sparse Y/N N
		Databa Dar	Contin 44		
BELER	(Barnacles):	Patchy	Contin. 1/	N Dense I/N	Sparse I/N N
Littor Patch	ne Y/N Contin.	YN Dense	Y/N Sparse	None 1	(/N
Patch	Y/N Contin.				
Patch Limpet OTHER	Y/N Contin.(Contin. Y/N	Dense Y/N	Sparse (P)N	None Y/N
Patch Limpet OTHER Small CLEANU	Y/N Contin. Patchy Y/N (PBSERVATIONS: <u>Precautions</u> : <u>Precautions</u> : <u>A</u>	Contin. Y/N Debeble Salmon Ine in gravel Manual removal	Dense Y/N stream at hea of its floor of oiled grave	Sparse (1) N d of boy free dplacen. land deboss in .	None Y/N of oil atthough stream floodplain
Patch Limpet OTHER Small CLEANU	Y/N Contin. Patchy Y/N (PBSERVATIONS: <u>Precautions</u> : <u>Precautions</u> : <u>A</u>	Contin. Y/N Debeble Salmon Ine in gravel Manual removal	Dense Y/N stream at hea of its floor of oiled grave	Sparse (1) N d of boy free dplacen. land deboss in .	None Y/N of oil atthough stream floodplain
Patch Limpet OTHER Small CLEANU place before shream.	Y/N Contin. Patchy Y/N Contin. BSERVATIONS: <u>Precoutions:</u> PRECAUTIONS: <u>Precoutions:</u> No mechanical clear	Contin. Y/N obsble Salmon ne in gravel Manual removal in summer. nup recommend	Dense Y/N stream at hea of its floor of oiled grave Restrict number led	Sparse (1) N d of boy free dplacen land debos in of people and	None Y/N of oil atthough stream floodplain access is once
Patch Limpet OTHER Small CLEANU place before sheam.	Y/N Contin. Patchy Y/N (PBSERVATIONS: <u>Precautions</u> : <u>Precautions</u> : <u>A</u>	Contin. Y/N obsble Salmon ne in gravel Manual removal in summer. nup recommend	Dense Y/N stream at hea of its floor of oiled grave Restrict number led	Sparse (1) N d of boy free dplacen land debos in of people and	None Y/N of oil atthough stream floodplain access is once

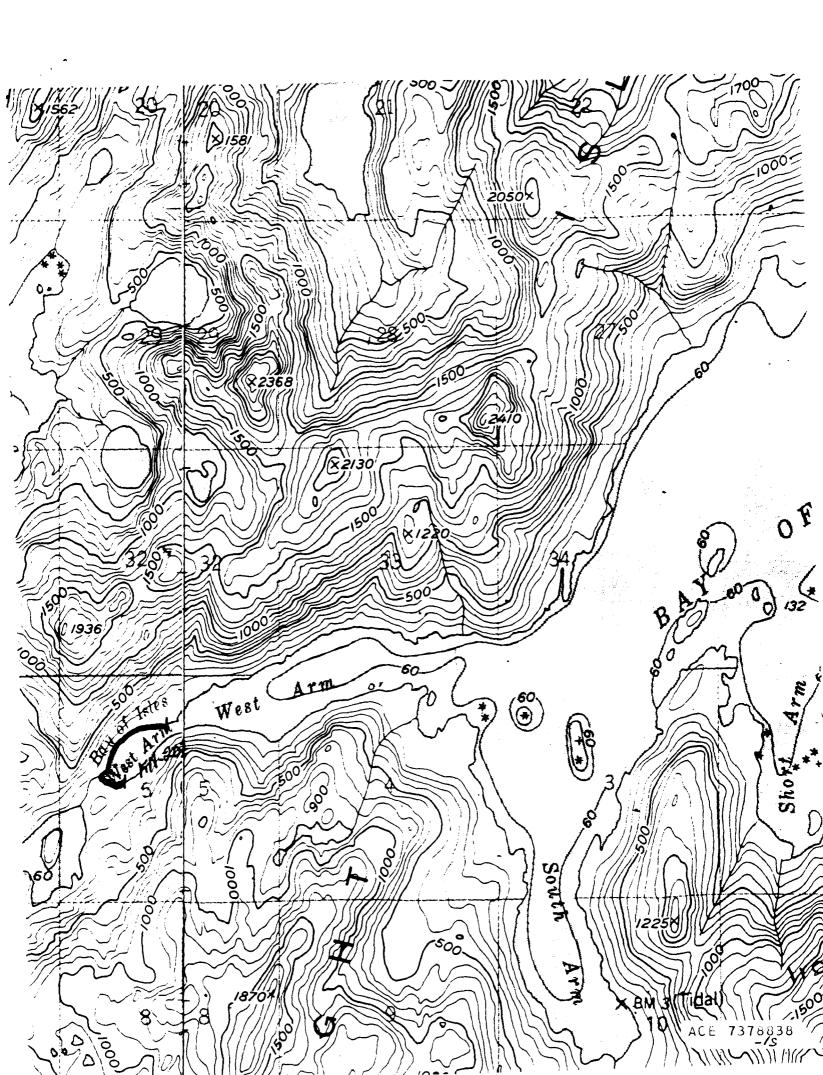
(version of 4/29/89)

	CULTURAL RESOURCE EVALUATION
Date <u>5/</u> 3	24/89 Location Knight Taland Site
Location	Prefix <u>KN</u> Segment <u>#KN-201</u> Length <u>450m</u>
Survey M	ethod:
Air	(A - indicate on map) Boat(A - indicate on map
Ground <u>_</u>	(G - indicate on map)
Known cu	Itural resources (AHRS #) <u>None</u> Data Source <u>None</u>
Oil cond:	itions/beach visibility light and pathy
	beach zone surveyed <u>2-10</u> Tree fringe surveyed <u>0-10</u>
Cultural	resources observed in beach zone (AHRS code)
Cultural	resources observed in tree fringe (AHRS code)
General o	bservations justifying survey method and segment's site probability
Shore Pro	file beach at head moderately closed, cobble / gravel, next of steep wall face and cobble fields ter sources are long, and two small streams
	sure protected
Access/Sa	stery good to beach, per to rock face - colible fielde
Probabili	ty of undiscovered sites in beach zone (circle one) 1 2 3 4 5 beach itself.
Monitorin	ng during cleanup needed yes/no Collection yes/no
Photos:	Color Roll # Frames
	B/W Roll # <u>C/U 8</u> Frames <u>18-20</u>
Obser ∜er (s) <u>C. Wilson</u>
Time surv	vey started <u>#205 //05</u> Time survey ended /230
Cultural	resource considerations/restraints:
In le	retative undiscovered cultural resources are
U	ed during cleanup notify Eyon auch -
	at, C. Mobley, immediately.
- a la ge	er , c. paur appendie august

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(23) 5/22/89 1030-1200 Segment KN-200 100 100 0005 5/22/89 Head of West Arm of Bay of Islos, SEGMENT KN-201 Knight Island 200 - 1230 20tologs of moderately and Stream C 4in 18A KN-200=200m put led algoe + grass piled things Rock 20 rebblesows Pebstreows 57.8/157.00 betw) ~ 1N-200 (CN-201) Bon dars lars parta Loods 15% 6 60% 0 25% Robbles wx: (londy Sunny. 70% B/25% C/5%P Survey: foot ITZ is sporadically. + Upper Access boat, helo, filtplane overed with oiled algãe Abbles Wave Ecoposure; low and truips/small logs. ers. Continuous band 2-4 m wide on Mostly dried for Boulder coubles Pebbles pratches with probles and algae of Upper ITZ - is heavily coated and splattered with mousse. A lot of free mouse of patches between boulders up to them deep. Some mousse pools up to b cm deep. No penetration. turus covered Pools and some free oil is vacuum able builders and Cobbles KN+7 00 with pooled black oil ZX with small amenant absorbent boim of loose algae. Alis vacuumable ACE 7378837 ACE 7378836



State of Alaska Department of Fish and Game

	Habitat Division
	Pageof Field Inspection Report
	Date June 1 1990 Time 1400
1	Location: (Logging unit/Road/Waterbody) KNZOI BAY OF ISLES KNIGHT IS. ASCH 16869 (226-30-16869) 30 - 16870 - Lake Stream With sockeye run
-	30 - 16870 - Lake Stream with sockeye run
(Dperator/Contractor: EXXON/Veco
	Individuals present at time of inspection: <u>Name</u> <u>Representing</u>
-	
-	Activity/Situation Observed: <u>Oil Still remaining after</u> 1st cleans effort - Tarmet, pathies, OR, onep vegetation
-	(June 1 st. work was completed satisfactorily)
-	
-	Pertinent Statutes/Regulations: AK. Statutes tille 16
	Recommended/Required Action (Specify):
-	Kenove remaining furmats, patties, ailed vege, ail Resultion upper / Invert ITZ both streams both bunks
-	
-	
-	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,
	Subsequent date. Auchurd Austin ADG6 Tell 3

Fish and Game Representative/Title Company Representative/Title

State of Alaska Department of Fish and Game Habitat Division Page of Field Inspection Report Date June 1 1990 Time 1400 Location: (Logging unit/Road/Waterbody) KN 201 BAY OF JSLES KNIGHT JS. ASC# 16869 (226-30-16869) 226-30 - 16870 - Lake Stream with sockeye run Operator/Contractor: Exxon/veco Individuals present at time of inspection: Representing Name Activity/Situation Observed: Oil still remaining after 1st deanup effort - Tarmat, patties, OR 1 st. work was completed satisfactor. Imp Pertinent Statutes/Regulations: AK. Statutes +1616 Recommended/Required Action (Specify): Kenrove remaining farmats, patties, alled vere, all Resid how yester lower ITZ both streams both bi 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. ADF6 Tell3.TitleCompany Representative/Title Fish and Game Representative/Title

4	Department of Fish and Game Habitat Division
	Pageof Field Inspection Report
	Date June 1 1990 Time 1400
1	ocation: (Logging unit/Road/Waterbody) KN 201 BAY OF JSLES
-	10-16870-Lake Stream with sockeye run
	Operator/Contractor: <u>Exxon/veco</u>
	Individuals present at time of inspection: <u>Name</u> <u>Representing</u>
1 1	
-	Activity/Situation Observed: Oil still remaining aller
-	Ist deaug effort - Tarmat, pather, OR, auco, vegetati
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1 1	June 1 st. work was completed satisfactorily.)
1 1	L'
-	
ł	Pertinent Statutes/Regulations: <u>AK. Statutes</u> +1616
-	Pertinent Statutes/Regulations: <u>AK. Statutes</u> <u>41616</u> Recommended/Required Action (Specify):
-	Recommended/Required Action (Specify):
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-	Recommended/Required Action (Specify):
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	Recommended/Required Action (Specify):

State of Alaska Department of Fish and Game Habitat Division

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Field Inspection Report

Date May 31-90 Time 1235-1600 Location: (Logging unit/Road/Waterbody) KN 201 - Bay of Isles, Knight Island - Anadromous Stream # 226-20-16869 Operator/Contractor: Excon/Veco Individuals present at time of inspection: Representing Name Craig Levine kod Reynolds Exxon Veco GOPS Steve Emmanuo Activity/Situation Observed: This oiled anad fish stream somehow missed the ANADSCAT survey, Etxon agreed to clean, area was treated sueeks prior insufficiently, Roustin returned with USCG commander Keaner agreed on further removal of loiled material. When I arrived, I crewof 10 people were working in the adjacent segment. They eventually worked there way over & began working the stream area. Ileft belfore they finished, but they looked to be doing a good job. All Reps. quite cooperative Pertinent Statutes/Regulations: Recommended/Required Action (Specify): Crewwas due to complete treatment that day and move over to streams # 16820 7 16822 today or tommorrow Rick Gustin will monitor treatment tommorrow 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.

<u>(limee</u> <u>Ueseman(Fishtwildlife Tech.</u> Fish and Game Representative/Title Company Representative/Title

Form 11-88 (1-82)

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	Field Inspec	tion Report	and the second second
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Esland - Anadra			9 LSIEZ, Chic
Constra Annalan	MORE STICKET	<u> </u>	
perator/Contractor:	ExanlVeco		
ndividuals present at			
Name	Represe	nting	
Craighevine	Exton		
Rod Reynolds	Veco		
Steve Emmanual	COPS		
		anad fish stream so	
	A COMPANY OF A DESCRIPTION OF A	clean, Grea was treat	and the second
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		worked there way a	
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		treatment that da	
move over to st		3 [6873 today or	cl.tommerrow
Rick Gustin will	monitor treatr	nent tommorrow!	*
	and the second		
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		pection Report	Page_of
		Date 31-9	0
	unit/Road/Waterbody)		yet trales cours
Operator/Contractor	: irrenticco		
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			held but they looke
A second s			ative
Pertinent Statutes/	Regulations:		
Recommended/Require	d Action (Specify):		
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And the second second			
By (date)		(if applicable)	
Please note: This the operator/contra	is not a final inspe ctor with a notice of	ection report. It is of problems or concer	intended to provide ons which require ort will be issued at a
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	Department o	f Fish and Game	
	Habitat	Division	Page of
	Field Insp	ection Report	rage01
		Date	Time56
Location: (Loggi	ng unit (Poad (Watorbody)		
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Operator/Contrac	tor:		
Individuals pres	ent at time of inspecti	on:	
Name	Repre	<u>senting</u>	
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Activity/Situati	on Observed:	and the second second	A state of the sta
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Pertinent Statut	es/Regulations:		
Recommended/Requ	ired Action (Specify):_		
		A - Martin Land Carl	and the
	E. Elister of The second		
<u></u>	will monitor trea	1999 nd Jammaries	
By (date)		(if applicable)	
Please note: Th	is is not a final inspe	ction report. It is	intended to provide
the operator/con	tractor with a notice o	f problems or concer	ns which require
immediate attent subsequent date.	ion. If necessary, a f	inal inspection repo	rt will be issued at a
subsequent acte.			
Fisher I.C. F	California Kaller	Child He chi	
Fish and Game Re	presentative/Title	Company Represen	tative/litle

(version 5/02/89)

SHORELINE CLEANUP PROGRAM

DATE____5/29/89____

SHORELINE SEGMENT KN-201

LOCATION: (see enclosed map) Knight Island, Bay of Isles

<u>____Head_of_West</u>

ADEC NO._____SHORELINE ASSESSMENT DATE: ___5/22/89

Recommended Cleanup Activity(ies):

- Manually pick up oiled debris and scrap up patches of oiled sediments.

Priorities Considerations: - Class 1.

Ecological Constraints (from site survey): Manual removal of oiled gravel and debris in probably salmon stream flood plain at head of bay must take place before the stream swells in summer. Restrict number of people and access in stream area and adjacent grassy areas. Exercise care in the grassy area - cut oiled grasses by hand, scoop and shovel patches of oiled soil/gravel. Cleanup restricted to manual methods due to small amount of oil present combined with sensitivities of salmon and grasses/soil.

- Appropriate in the period of the reader

Archeological Constraints (from site survey): <u>Avoid damage to oil boiler in the intertidal zone of the east</u> <u>portion of the segment</u>. 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.

State Historic Preservation Officer *

	1 1	
Date:	5/29/89	
Date.		

EXXON:			

FOSC:____

Date:_	 	
_		
Date:		

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

SHORELINE OIL EVALUATION

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	Date: 5/22/89/ Time: 1200-1230 Observer: C. Dillon
	Surveyed From: Foot/Boat/Helio/Plane Weather: Sun/Cloud/Rain/Snow/Fo
	LOCATION
	LOCATION KNIGHT ISLAND SEGMENT NUMBER KN-201
	LENGTH OF SHORELINE SEGMENT: 450
	ACCESS: Foot/Vehicle/Boat)Barge/Helio/Float Plane
	SHORELINE:
	Shoreline Type:SPI/BEA/COV/HLD/STRT Slope: LANG/HANG/VER
	Wave Exposure: High/Med/Low
	Sediment: B <u>15</u> * / C <u>60</u> * / P <u>5</u> * / G_ * / S_ * / M_ * /R_ *
	Drift Debris on Beach: Yes/No Supra/Upper/Mid/Lower Type logs algae
	OIL
	Degree of Oiling: Heavy/Moderate/Light/No Oil/Unobserved
	Area of Beach Impact: SU / SP / H / M / L
	Continuous: Y/N % of Segment Width of Band:m
	Sporadic: YN % of Segment >5
	Est. Oil Thickness where > 1cm:cm Est. Oil Penetration:cm
	Pooled Oil: * "Free" Oil: * Coated: H * /M > 5 * /L *
	Fresh
· •	Drift Debris Oiled ? Res/No Supra/Upper/Mid/Lower Amount: H/M/L/
	<u>Segment is unpiled except for a few small</u> <u>patches of tarry gravel</u> . <u>Peter to diagram for details</u> .
	Also, some patches of oiled/moussed algae/grass, twigs.

DOCUMENTATION: KN-2	rage 2
Map/Merial photo marking segment boundaries ATTACHED	
VTR: YN Tape Number(s)	
Photography: Y/N Roll Number(s)	
Sample Numbers Collected: NONE	

(23) 5/22/89 1030-1200 Segment KN-200 100 age woods 5/22 89 (24 Head of West Arm of Bay of Islos, SEGMENT KN-201 Knight Island 1200-1230 5450m Stream Jetream telyand KN-200=200m ER Packs biled builts 0 Cited algo 20 ang tebblesam) 8ª 15% 6/60% 0/25% 7 10003 tor of for 13-200 Robbes wa: (londy Sunny 70% B/25% C/5%P Survey: foot +Upper JIZ is sporadically + Access boat, helo, fit plane avered with oiled alaae tobles Wave Exposure: 100 and huites/small least. Continuous band 2-4 m wide on Mostly dried for Boulder | cobbles | Pebbles S pebbles and algae. of Upper ITZ - is heavily coated and splattered with mousse. Kebbl 200 A lot of free mouse of patches between boulders up to 4cm 3 deep. Some mousse pools up to 6 cm deep. No penetration. Turus covered Pools and some free oil is vacuum able heulders and Cobbles 8-NX with pooled black or with small ameunt absorbent boom of loose algac. al is vacuymable, AC E 7378845

ECOLOGICAL EVALUATION

8-4

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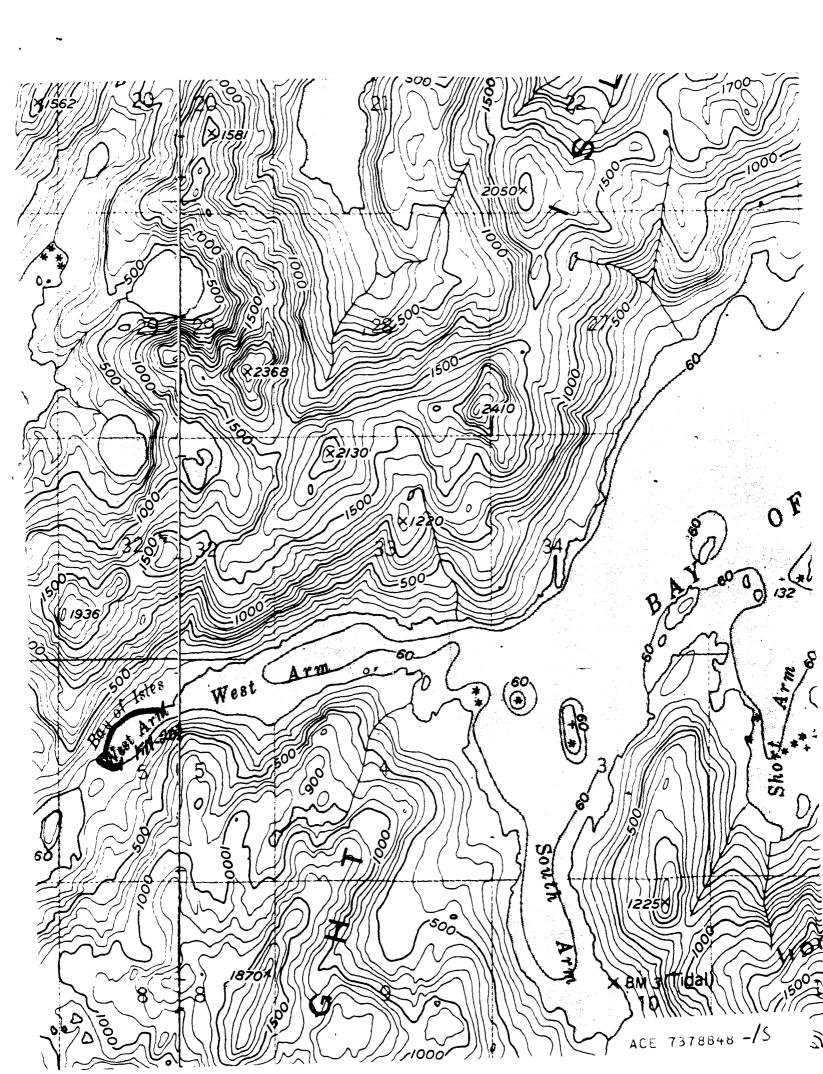
LOCATION: <u>KNIGHT ISLAND</u> SITE: <u>BAY OF ISLES</u> OBSERVER: <u>MEYER</u>
LOCATION PREFIX: KN SEG. NO.: 201 LENGTH: 450 (M)
DATE: 05 / 22 / 89 TIME (HHMM): 1145 TIDE HT.:(M)
OILED ZONE: Splash Migh Medium Low
SUBSTRATUM: Rocks Boulder Cobble Gravel Sand Mud
LIVE BIOTA
Fucus (algae): Patchy N Contin. Y/N Dense Y/N Sparse N/N None Y/N
Mytilus (Mussels): Patchy YN Contin. Y/N Dense Y/N Sparse Y/N None Y/N
Balanus (Barnacles): Patchy ()N Contin. Y/N Dense Y/N Sparse Y/N None Y/N
Littorina Patchy Y/N Contin. YN Dense Y/N Sparse W/N None Y/N
Limpets: Patchy Y/N Contin. Y/N Dense Y/N Sparse ()N None Y/N
OTHER OBSERVATIONS: <u>Probable salmon stream at head of bay fine of oil atthough some</u> Small patches of oil are in gravel of its flood place.
CLEANUP PRECAUTIONS: Manuel removal of oiled gravel and debits in stream flood plain must ter place before the stream swells in summer. Restrict number of people and access in once of salmor stream. No mechanical cleanup recommanded
MAMMALS: Otters Harbor Seals Sea Lions Whales Other
BIRDS: <u>98 Green winged Test; Oystercatcher -1; New Gull -1; Roven -1; Bald Eagle -1</u>
GENERAL OBSERVATIONS:

(version of 4/29/89)

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CULTURAL RESOURCE EVALUATION
Date 5/24/89 Location Knight I aland Site
Location Prefix <u>KN</u> Segment # <u>KN-201</u> Length <u>450m</u>
Survey Method:
Air(A - indicate on map) Boat(A - indicate on map)
Ground (G - indicate on map)
Known cultural resources (AHRS #) None Data Source None
Oil conditions/beach visibility light and patricy
Width of beach zone surveyed $2 - 10 \text{ m}$ Tree fringe surveyed $0 - 10 \text{ m}$
Cultural resources observed in beach zone (AHRS code) <u>HTI</u>
Cultural resources observed in tree fringe (AHRS code)
General observations justifying survey method and segment's site probability:
Shore Profile beach at head moderately aloved, cobble / gravel, rest of request steep wall face and cobple fields Fresh Water Sources are longe and two small streams
Fresh Water Sources and Inge and two small streams
Sea Exposure protected
Access/Safety good to beach, por to work face + coloble fields
Probability of undiscovered sites in beach zone (circle one) 1 2 3 4 5 On the beach street.
Monitoring during cleanup needed yes/no Collection yes/no
Photos: Color Roll # Frames
Photos: Color Roll # Frames B/W Roll # Frames Frames
B/W Roll # <u>C/U 8</u> Frames <u>18-20</u>
B/W Roll # CUS Frames $18-20$ Observer(s) C. Wilson
B/W Roll # CUS Frames $18-20$ Observer(s) $C.Uuluan$ Time survey started 1205 Time survey ended 1230
B/W Roll # <u>C(W)?</u> Dbserver(s) <u>C.////hon</u> Time survey started <u>toos //05</u> Time survey ended <u>/230</u> Cultural resource considerations/restraints: <u>To hae Table undersweed cultural repounds are</u>
B/W Roll # CINS Frames /8-20 Observer(s) C. Hulpon

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SEGMENT ST/<u>KN-201 A</u> STREAM NO: 226-30-16872 DATE 4/22/90

SEGMENT ENVIRONMENTAL SENSITIVITIES AND TIME CONSTRAINTS: Three anadromous streams in KN-201: 226-30-16872, 226-30-16869, 226-30-16870.

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

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

6V Recreation: Anchorages (6/1 to 9/15)

See attached Ecological Constraint sheet for specific constraints and contacts.

SUBDIVISION ECOLOGICAL CONSTRAINTS:

Avoid any unnecessary disturbance or damage to unoiled biota and substrate. No ecological constraints re: itnertidal biota.

ARCHAEOLOGICAL CONSTRAINTS:

Consultation and inspection with an Exxon archaeologist is required prior to treatment. Specific on-site monitoring requirements will be determined at that time.

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SHPU	SIGNATURE:	A Nort	In france	DAIL:		110	

Subsurface Oil Observed: Yes____ No_X_ Maximum Depth_____

RECOMMENDATIONS:

No Treatment Recommended	Snare/Absorbent Booms
X Treatment Recommended	Oil Snares (pom poms)
X Manual Pickup	Absorbents (pads, rolls, etc)
Bioremediation	Spot Washing:Wands
X Tarmat Removal	Beach Cleaner
New york was a set of the set of	Other (see comments)

COMMENTS: ____Recommended treatment includes 1) manual pickup of mousse___ and tar patties as indicated on sketch map, 2) removal of tarmat where indicated. Work should be conducted between 5/15 and 7/10 based on anadromous stream constraints.

TAG COMMENTS:

TAG APPROVAL DATE: ADEC ART WERE AND EXXON And TEAL DATE: 5-18-90 FOSC: NOAA BuckWescoft USCG D.D. RomE

Dinoseries 11/20 11/20



DLPT. OF ENVIRONMENTAL CONSERVATION

ANADROMOUS FISH STREAM ASSESSMENT

REGION: PRINCE WILLIAM SOUND

SEGMENT: KN-201 A

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STREAM NO: 226-30-16872

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	Other (see comments)

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TAG COMMENTS:

PWS, SEWARD AND HOMER ECOLOGICAL CONSTRAINTS

Salmon stream mouth - fry outmigration (3/1 - J/15) Salmon stream mouth - spewning (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 nearsnore 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. Treament 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 6/1) Main Bay Hatchery release (4/20 to 6/10) 1E
- Sawmill Bay Hatchery release (4/15 to 6/1) 1F
- Cannery Creek Hatchery release (4/21 to 6/1) 1G

Remote release site 1H

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 Pettz 424-3214

1D 1F 1G PWS Aquaculture Association John McMillan or Bruce Suzomoto 424-7511

11 Gill net area. (6/7 to 8/31)

- 1J Purse seine area. (7/20 to 9/30)
- Purse seine hook-off (7/20 to 9/30) 1K

Set net sites (6/11 to 7/25) 11

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 unoiled intertidal and subtidal algae and seagrass. If plans for treatment include methods such as hot water wash or Inipol application which might affect nearshore oil or toxicity levels, contact ADF&G for consultation and authorization. AGENCY CONTACT PERSON: ADF&G Evelyn Biggs 424-3235

3N. 3P Harbor seal and sea lion pupping (5/15 to 7/1)

30, 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

58 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 JIII Parker 786-3377

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

Restrict all activity to essential minimum, especially air traffic. Contact USFWS and ADF&G for confirmation. AGENCY CONTACT PERSON: USFWS Jill Parker 786-3377 ADF&G Tom Rothy 267-2208

5T All Baid Eagle nests (3/1 to 6/1)

Active Bald Eagle neets (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 JIII Parker 786-3377

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6X 6Y		Lodge (6/1 to 9/15) Special use destination

7Z Subsistence area: Salmon harvesting (5/1 to 9/30) Finfish harvesting 7HH 71 Deer harvesting (8/15 to 2/28) 71 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

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	FIELD SHORELINE COMMENT SHEET 43
	SEGMENT ST IKN-201_SUBDIVISION: 226-30-16872 DATE 24 APR 90
	NAME Kerwin L. Drohen SIGNATURE and K. R. Dula
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	ADEC ADFOG NAME Rick Gustin SIGNATURE Richard 2 trutu
	DINOTREATMENT RECOMMENDED DITREATMENT SUGGESTED COMMENTS Perform work at a minimum of (0,7 tide)
	Kemove scattered broken tar matts which cover areas
	ranging from upper intertidal to lover intertidal an both east and west sides of creek.
	There are a few scattered patties west of the creek near a snaver creek - these should be manually removed. The flat on the stat side of the creek in the upper inter-
	NAME RICK GUSTIN SIGNATURE Richard Structure
	NO TREATMENT RECOMMENDED IT TREATMENT SUGGESTED
-	fidal zone has scattered bands of matts needing removal. Perform a survey of the entire ITZ prior to work
	to get a fuel for the distribution of matts.
	foget à fiel for the distribution of matts. Remove aux oriend debris found. ACE 7378853 No bioremedication recommended.
	REVISION NO. 25214

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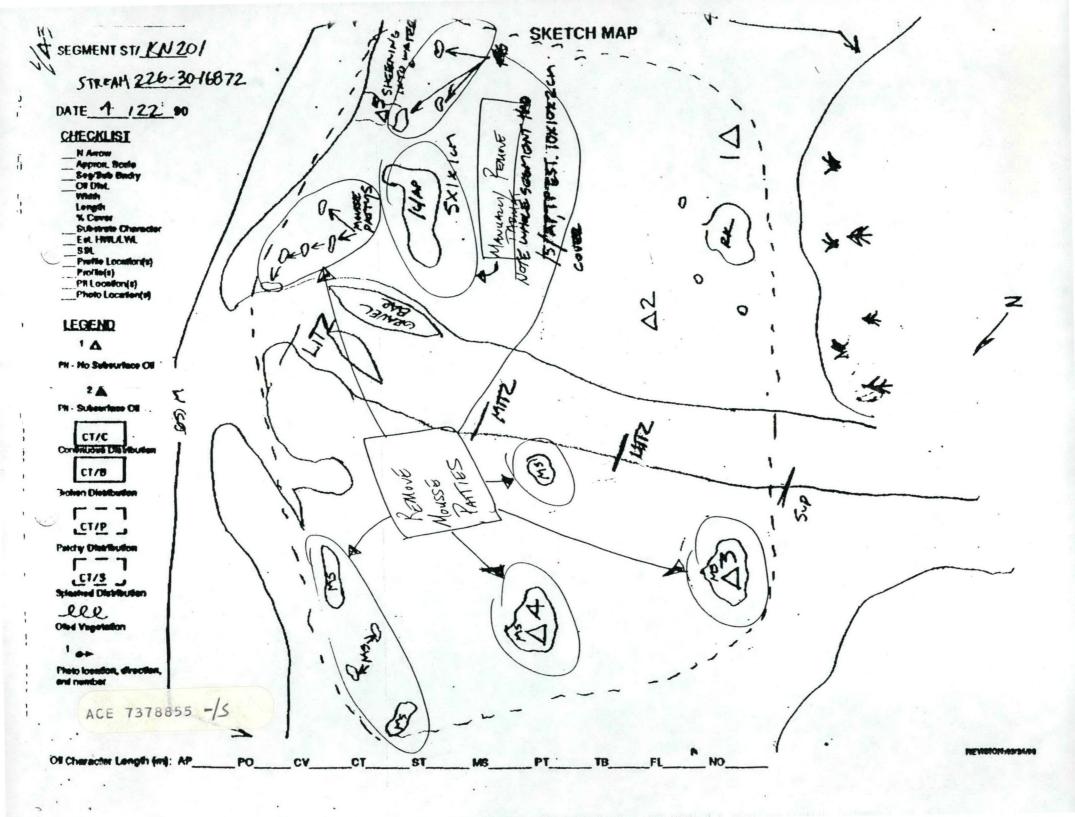
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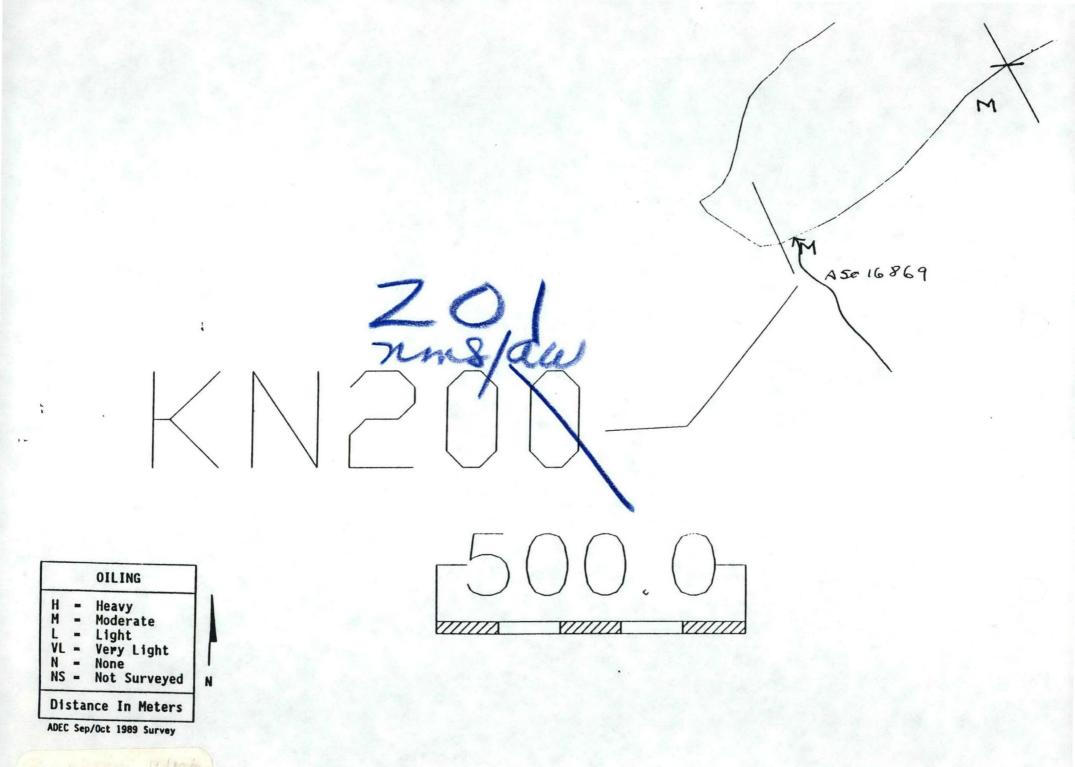
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