

ExxonMobil Pipeline Company

**SCAT Area Transition Report
for C08**

Silvertip Pipeline Incident
Laurel, Montana

October 29, 2011



SCAT Area Transition Report for C08

Silvertip Pipeline Incident
Laurel, Montana

Prepared for:
ExxonMobil Pipeline Company

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Our Ref.:
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Date:
October 29, 2011

The observations described in this Report were made exclusively under the conditions at the time and subject to the limitations stated therein. It is understood by Client that ARCADIS has relied on the accuracy of documents, oral information, and other material and information provided by sources documented in this report, including but not limited to information provided by Client and Client's other contractors. ARCADIS has not independently verified any such information. The conclusions presented in the Report are based solely upon the observations and representations made by others.

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1. Executive Summary of Oil Removal Activities

This Shoreline Cleanup Assessment Technique (SCAT) Area Transition Report provides a summary of the SCAT surveys conducted to determine the extent of oiling along the riverbanks and floodplain within SCAT Area C08, as well as the oil remediation activities completed in this area based on the SCAT Team recommendations. This report also summarizes the environmental samples collected in SCAT Area C08. This report is intended to be read and used in conjunction with the Summary of Assessment and Oil Removal Activities report.

1.1 Land Ownership and Access Issues

Figure 1 provides an aerial map of SCAT Area C08, along with the (a) SCAT Area boundary, (b) parcel boundaries and respective property owners, and (c) access constraints identified during the oil cleanup process. The acreage surveyed in Area C08 is 15.9. There were no access issues for this area.

1.2 Cultural, Historic, and Natural Resource Constraints

No historic properties or cultural resources have been identified within this area that would affect oil removal activities.

Figure 2 summarizes the natural resources identified in this segment. International Bird Rescue and Resource Advisors from U.S. Fish and Wildlife Service conducted limited inspections of Area C08 due to the low level of oiling in Division C. No oiled wildlife was observed or recovered. No Wildlife Priority Cleanup Areas were identified. A bald eagle (*Haliaeetus leucocephalus*) nest was identified in Area C08 and a buffer zone to protect the nest was provided to Operations.

1.3 Summary of Environmental Sampling

Table 1 (below) summarizes samples collected within Area C08. The analytical results for the samples collected can be accessed through a publicly accessible database on the United States Environmental Protection Agency's (USEPA's) website. The approximate locations of samples collected within Area C08 are provided on Figure 3.

Table 1 Environmental Sampling Summary

Area	Agency	Sample Num	Date	Matrix	Location	Latitude	Longitude
C08		No Samples Collected*					

Appendix A contains a summary of sample results with detections for this sample set. Detections with a result above the screening level are highlighted; for this set, there were no detections in this area because no samples have been collected to date.

1.4 Summary of Initial SCAT Surveys

The SCAT teams used systematic evaluation criteria and treatment method tables approved by the National Oceanic and Atmospheric Administration to provide a standard approach for data collection and conducting field surveys. The forms and sketches from the initial SCAT surveys performed along the river bank (water edge) and floodplain within Area C08 are included in Appendix B. Figure 4 provides the maximum oiling zones observed by the SCAT team during the initial surveys of Area C08.

1.5 Applicable Compiled Treatment Recommendations

The SCAT team developed compiled treatment recommendations (CTRs) providing approved treatment methods (ATMs) for each oiling zone identified during the initial SCAT surveys ([CTR No. 60](#)).

1.6 Oil Removal Activities

Oil removal activities were conducted within Area C08 in accordance with the ATMs identified in the CTRs. [Appendix I](#) of the Summary of Assessment and Oil Removal Activities report presents this data including: date range/days worked, average number of people working per day, equipment used, and various types of bags removed: oily debris, personal protective equipment (PPE), plastic, trash, super sacks, wood chips, and contaminated wood.

1.7 Pre-Inspection Survey Transmittal

A Pre-Inspection Survey Transmittal (PIST) was not conducted for this area.

1.8 Post-Inspection Survey Transmittal

A Post-Inspection Survey Transmittal (POST) was not conducted for this area.

1.9 Summary of Final SCAT Surveys

Figure 5 shows the oiling conditions within Area C08 following completion of oil removal activities. The SCAT team performed final surveys of the left and right banks within SCAT Area C08 to confirm the agreed-upon cleanup endpoints identified in the applicable CTRs had been achieved. The final SCAT survey documentation is presented in Appendix E.

1.10 SCAT Area Conclusions

Based on the final SCAT surveys performed on the left and right banks within Area C08, no further treatment is recommended for these segments except as noted in the CTR addendum provided in Appendix G, where the landowner preferred no additional treatment be conducted. SCAT Segment Sign-Off Forms are included as Appendix F.



**SCAT Area Transition
Report for C08**

Silvertip Pipeline Incident
Laurel, Montana

2. Transition Sign-Off Form

SCAT Area Transition Report for C08

Prepared for:

Unified Command

Date

Unified Command – RP

SCAT Area Transition Report for C08

Prepared for:

Unified Command

Date

Unified Command – FOSC



**SCAT Area Transition
Report for C08**

Silvertip Pipeline Incident
Laurel, Montana

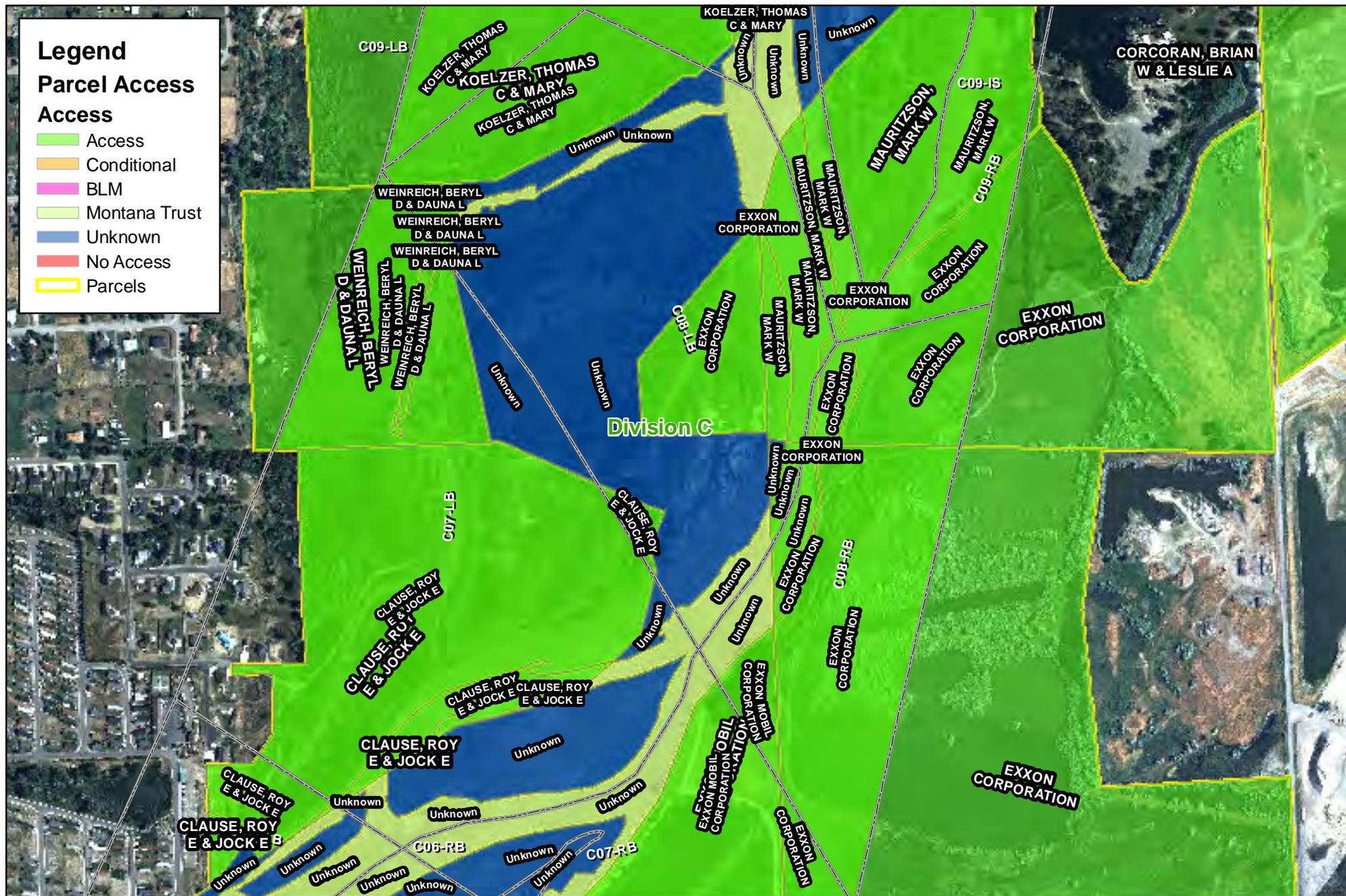
SCAT Area Transition Report for C08

Prepared for:

Unified Command

Date

Unified Command – MDEQ



Legend

Parcel Access

Access

- Access
- Conditional
- BLM
- Montana Trust
- Unknown
- No Access
- Parcels

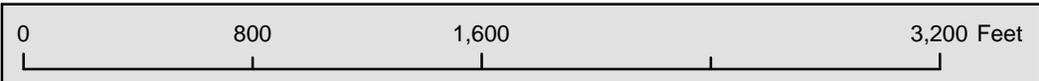
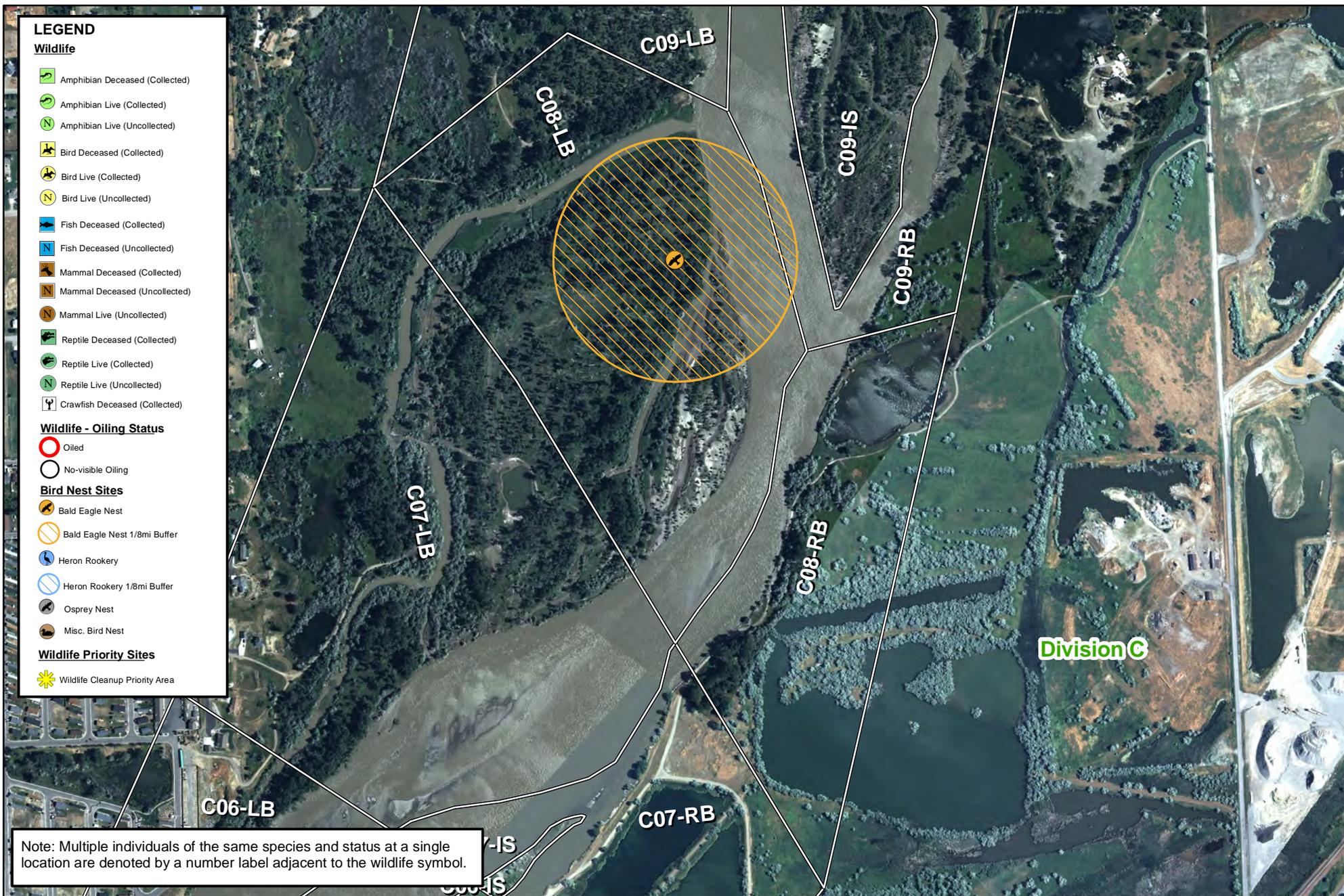


Figure 1



Note: Multiple individuals of the same species and status at a single location are denoted by a number label adjacent to the wildlife symbol.

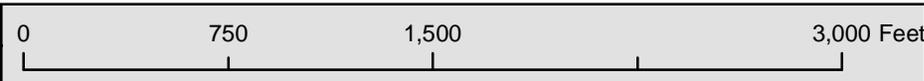
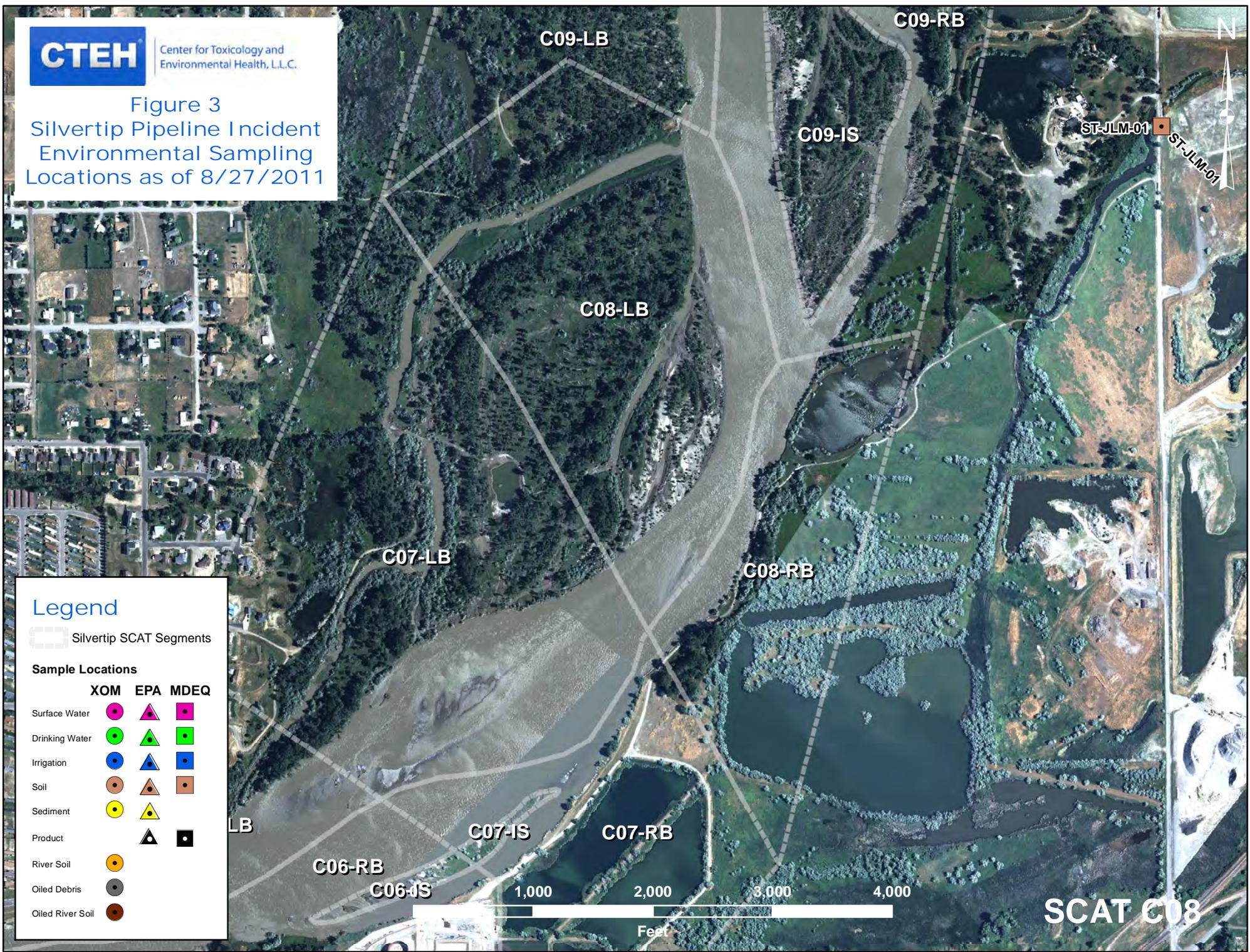


Figure 2
Wildlife Resources



Center for Toxicology and Environmental Health, L.L.C.

Figure 3
Silvertip Pipeline Incident
Environmental Sampling
Locations as of 8/27/2011



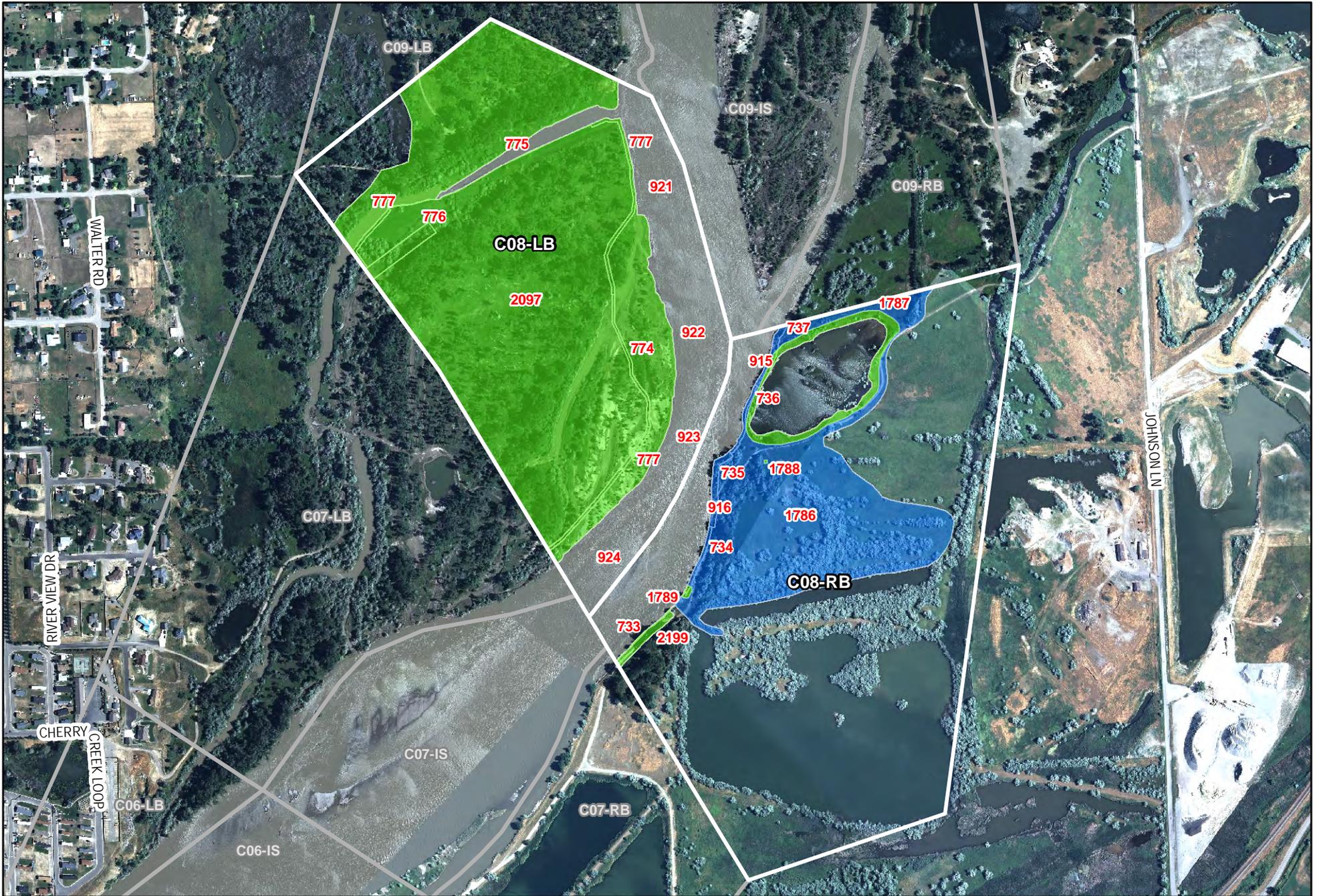
Legend

Silvertip SCAT Segments

Sample Locations

	XOM	EPA	MDEQ
Surface Water			
Drinking Water			
Irrigation			
Soil			
Sediment			
Product			
River Soil			
Oiled Debris			
Oiled River Soil			

SCAT C08





Appendix A

Sample Detection Summary



Sample Results For
SCAT Area C08

Printed 10/25/2011

NA - Not Available

Detected Above Screening Level

Sample Num	Date	Sample Type	Matrix	Analytical Method	Analyte	Detected	Result	Screening Level	Result Qualifier	Units	Above?
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No Samples Taken



Appendix B

Initial SCAT Survey Forms
and Sketches

RIVER BANK OILING SUMMARY FORM for **Silvertip Pipeline Incident**

1 GENERAL INFORMATION

Segment/Reach ID: C08 ~~Left Bank / Right Bank / Island~~ Date (dd/mm/yy) 25-Jul-2011 Time (24h): std / daylight 1155 hrs to 1300 hrs Water Level low - mean - bankfull - overbank
 Operations Division: B falling - steady - rising
 Survey by: Foot / ATV / Boat / Helicopter / Overlook / _____ Sun / Clouds / Fog / Rain / Snow / Windy / Calm Air Temp + / - 31 deg C

2 SURVEY TEAM # 1

name	organization	contact phone number
Pete Lee <i>PBL</i>	Polaris	
John Bauer <i>John Bauer</i>	Polaris	
Larry Alheim <i>Bobby Hordaker LA</i>	MTDEQ <i>DEQ</i>	
Ron Lynn <i>Ron Lynn</i>	USCG	

3 SEGMENT Total Segment/Reach Length _____ m Segment/Reach Length Surveyed 625 m

Start GPS: LATITUDE _____ deg. _____ min. LONGITUDE _____ deg. _____ min. Datum: _____
 End GPS: LATITUDE _____ deg. _____ min. LONGITUDE _____ deg. _____ min.

4A RIVER BANK TYPE SELECT only one primary (P) shoreline type and any number of secondary (S) types. CIRCLE those OILED

Bedrock: Cliff/Ramp _____ Shelf _____ Manmade: Solid _____ Permeable S (type) Riprap _____ Wetland: Swamp _____ Bog/Fen _____ Marsh _____
 Sediment Bank: Clay/Mud _____ Sand _____ Mixed S _____ Pebble/Cobble _____ Boulder _____ Peat/Organic _____ Vegetated Bank: P Wooded Upland: S
 Sediment Flat: Clay/Mud _____ Sand _____ Mixed/Coarse _____ Other: _____ If snow and ice use Winter River SOS

4B RIVER VALLEY CHARACTER select as appropriate complete for primary

Cliff or Bluff: Est Height _____ m canyon _____ manmade _____ meander _____ confined or leveed _____ Substrate Type: mixed
 Sloped: (>5°)(15°)(30°) straight P braided S oxbow _____ flood plain valley _____ Forested / Vegetated / Bare

4C RIVER CHANNEL CHARACTER circle or select as appropriate

est. width: <1m 1-10m 10-100m >100m 120m est. water depth: <1m 1-3m 3-10m >10m _____ m
 shoal(s) present Y/N point bar present Y/N bar-shoal substrate: silt / sand / gravel / cobble / boulder / bedrock / debris
 seasonal water level: low / mean / bank full / overbank flow est. change over next 7 days: falling — same — rising

5 OPERATIONAL FEATURES Suitable backshore staging Y/N Access: Direct from backshore Y/N Alongshore from next segment Y/N
 Debris: Y/N oiled Y/N amount _____ bags or _____ trucks Access restrictions _____
 Oiled trees/shrubs Y/N River Current strong Y/N Other Features: ExxonMobil refinery property

6 SURFACE OILING CONDITIONS begin with "A" in the lowest tidal zone - circle the zone/s that correspond to primary shoreline type

OIL ZONE ID	RIVER BANK ZONE				OIL COVER			OIL THICKNESS					OIL CHARACTER							SUBST. TYPE(S)		
					Length	Width	Distrib.															
	MS	LB	UB	OB	m	m	%	TO	CV	CT	ST	FL	FR	MS	TB	PT	TC	SR	AP		NO	
A			X		160	1	2			X	X		X				X					Grass, trees, riprap
B				X	115	5	10		X	X	X		X				X					Grass, trees, shrubs, debris
C				X	130	10														X		Grass, trees, shrubs, debris
D				X	120	5	20		X	X	X		X				X					Grass, trees, shrubs, debris
E				X	100	10														X		Grass, trees, shrubs, debris

7 SUBSURFACE OILING CONDITIONS use letter for ZONE location plus Number of pit or trench — e.g., "A1"

TRENCH or PIT NO.	RIVER BANK ZONE				MAX. PIT DEPTH	OILED ZONE	SUBSURFACE OIL CHARACTER					WATER TABLE	SHEEN COLOUR	CLEAN BELOW	SUBST. TYPE(S)	
	MS	LB	UB	OB	cm	cm-cm	SAP	OP	PP	OR	OF	TR	NO	cm		B, R, S, N

8 COMMENTS ecological/recreational/cultural/economic constraints - shorezone biota and wildlife observations - cleanup recommendations

Overbank Survey Required Y/N Overbank Survey Completed Y/N Shoreline Survey Completed Y/N

Oil band heights: 60 cm

Treatment Recommendations:
 Zone C, E: No oil observed; no treatment required.
 Zone A, B, D: Cut & remove oil coated vegetation smaller than 1" diameter. Remove debris smaller than 4" diameter. Wipe larger oil coated vegetation.

*Refer to current approved treatment methods #1 (Cutting of Vegetation), #2 (Dead Vegetation and Small Debris), #3 (Large Woody Debris), #6 (Sorbent Use), # (Unconsolidated Sediments)

ExxonMobil refinery property; requires site orientation, FRC and PPE for entry and work.

Sketch Yes / No Photos Yes / No Frames 0136-0144 (Lee)

PB DB/GK

1 GENERAL INFORMATION		Date (dd/mm/yy) 25-Jul-2011	Time (24h): std / daylight 1155 hrs to 1300 hrs	Water Level low - mean - <u>bankfull</u> - overbank falling - steady - rising
Segment/Reach ID: C08 <u>(Left Bank / Right Bank / Island)</u>		Operations Division: B		
Survey by: <u>Foot / ATV / Boat / Helicopter / Overlook /</u>		Sun / Clouds / Fog / Rain / Snow / Windy / Calm		Air Temp +/- <u>31</u> deg C

2 SURVEY TEAM # 1		name	organization	contact phone number
Pete Lee			Polaris	
John Bauer			Polaris	
Larry Alheim			MTDEQ	
Ron Lynn		LYNN.RONALD. T.JR.1243861973	USCG	

3 SEGMENT Total Segment/Reach Length _____ m Segment/Reach Length Surveyed 625 m

Start GPS: LATITUDE _____ deg. _____ min. LONGITUDE _____ deg. _____ min. Datum: _____

End GPS: LATITUDE _____ deg. _____ min. LONGITUDE _____ deg. _____ min.

4A RIVER BANK TYPE SELECT only one primary (P) shoreline type and any number of secondary (S) types. CIRCLE those OILED

Bedrock: Cliff/Ramp _____ Shelf _____ Manmade: Solid _____ Permeable S (type) Riprap _____ Wetland: Swamp _____ Bog/Fen _____ Marsh _____

Sediment Bank: Clay/Mud _____ Sand _____ Mixed S Pebble/Cobble _____ Boulder _____ Peat/Organic _____ Vegetated Bank: P Wooded Upland: S

Sediment Flat: Clay/Mud _____ Sand _____ Mixed/Coarse _____ Other: _____ If snow and ice use Winter River SOS

4B RIVER VALLEY CHARACTER select as appropriate complete for primary

Cliff or Bluff: _____ Est Height _____ m canyon _____ manmade _____ meander _____ confined or leveed _____ Substrate Type: mixed

Sloped: (>5°)(15°)(30°) straight P braided S oxbow _____ flood plain valley _____ Forested / Vegetated / Bare

4C RIVER CHANNEL CHARACTER circle or select as appropriate

est. width: < 1m 1-10 m 10-100 m >100m 120 m est. water depth: <1 m 1-3 m 3-10 m >10 m _____ m

shoal(s) present Y/N point bar present Y/N bar-shoal substrate: silt / sand / gravel / cobble / boulder / bedrock / debris

seasonal water level: low / mean / bank full / overbank flow est. change over next 7 days: falling — same — rising

5 OPERATIONAL FEATURES Suitable backshore staging Y/N Access: Direct from backshore Y/N Alongshore from next segment Y/N

Debris: Y/N oiled Y/N amount _____ bags or _____ trucks Access restrictions _____

Oiled trees/shrubs Y/N River Current strong Y/N Other Features: ExxonMobil refinery property

6 SURFACE OILING CONDITIONS begin with "A" in the lowest tidal zone - circle the zone/s that correspond to primary shoreline type

733
734
735
736
737

OIL ZONE	RIVER BANK ZONE				OIL COVER			OIL THICKNESS					OIL CHARACTER					SUBST. TYPE(S)			
	MS	LB	UB	OB	Length	Width	Distrib.	TO	CV	CT	ST	FL	FR	MS	TB	PT	TC		SR	AP	NO
A			X		160	1	2			X	X		X				X				Grass, trees, riprap
B				X	115	5	10		X	X	X		X				X				Grass, trees, shrubs, debris
C				X	130	10														X	Grass, trees, shrubs, debris
D				X	120	5	20		X	X	X		X				X				Grass, trees, shrubs, debris
E				X	100	10														X	Grass, trees, shrubs, debris

7 SUBSURFACE OILING CONDITIONS use letter for ZONE location plus Number of pit or trench — e.g., "A1"

TRENCH or PIT NO.	RIVER BANK ZONE				MAX. PIT DEPTH	OILED ZONE	SUBSURFACE OIL CHARACTER						WATER TABLE	SHEEN COLOUR	CLEAN BELOW	SUBST. TYPE(S)					
	MS	LB	UB	OB			SAP	OP	PP	OR	OF	TR					NO	cm	B, R, S, N	Yes / No	
					cm	cm-cm															

8 COMMENTS ecological/recreational/cultural/economic constraints - shorezone biota and wildlife observations - cleanup recommendations

Overbank Survey Required Y/N Overbank Survey Completed Y/N Shoreline Survey Completed Y/N

Oil band heights: 60 cm

Treatment Recommendations:
 Zone C, E: No oil observed; no treatment required.
 Zone A, B, D: Cut & remove oil coated vegetation smaller than 1" diameter. Remove debris smaller than 4" diameter. Wipe larger oil coated vegetation.

*Refer to current approved treatment methods #1 (Cutting of Vegetation), #2 (Dead Vegetation and Small Debris), #3 (Large Woody Debris), #6 (Sorbent Use), # (Unconsolidated Sediments)

ExxonMobil refinery property; requires site orientation, FRC and PPE for entry and work.

Sketch Yes / No Photos Yes / No Frames 0136-0144 (Lee)

C8 right, Team 1, 25 Jul 2011



DDIGIS

RIVER BANK OILING SUMMARY FORM for Silvertip Pipeline Incident

Page _____ of _____

1 GENERAL INFORMATION		Date (dd/mm/yy)	Time (24h): std / daylight	Water Level
Segment/Reach ID: <u>C8</u>	Left Bank / <u>Right Bank</u> / Island	<u>27/07/11</u>	<u>1214</u> hrs to <u>1215</u> hrs	low - mean - bankfull - overbank
Operations Division: <u>C</u>				falling - steady - rising
Survey by: Foot / ATV / <u>Boat</u> / Helicopter / Overlook / _____	<u>Sun</u> / Clouds / Fog / Rain / Snow / Windy / Calm			Air Temp +/- <u>30</u> deg C

2 SURVEY TEAM #	Name	Organization	Signature
<u>1</u>	<u>Chuck Pons</u>	<u>Cardno ENTRIX</u>	<u>[Signature]</u>
	<u>Jay Watson</u>	<u>MFWP</u>	
	<u>Ernie McKenzie</u>	<u>US BLM</u>	

3 SEGMENT Total Segment/Reach Length 570 m Segment/Reach Length Surveyed 570 m

Start GPS: LATITUDE 45 deg. 49.47.62 min. LONGITUDE 109 deg. 25.21.39 min. Datum: 6181

End GPS: LATITUDE 45 deg. 49.27.21 min. LONGITUDE 108 deg. 25.33.05 min.

4A RIVER BANK TYPE SELECT only one primary (P) shoreline type and any number of secondary (S) types. CIRCLE those OILED

Bedrock: Cliff/Ramp _____ Shelf _____ Manmade: Solid _____ Permeable _____ (type) _____ Wetland: Swamp _____ Bog/Fen _____ Marsh _____

Sediment Bank: Clay/Mud _____ Sand P Mixed _____ Pebble/Cobble S Boulder _____ Peat/Organic _____ Vegetated Bank: [X] Wooded Upland: [X]

Sediment Flat: Clay/Mud _____ Sand _____ Mixed/Coarse _____ Other: _____ If snow and ice use Winter River SOS

4B RIVER VALLEY CHARACTER select as appropriate complete for primary

Cliff or Bluff: _____ Est Height _____ m canyon _____ manmade _____ meander _____ confined or leveed _____ Substrate Type: Sand

Sloped: (>5°)(15°)(30°) straight _____ braided [X] oxbow _____ flood plain valley _____ Forested / [X] Vegetated / Bare

4C RIVER CHANNEL CHARACTER circle or select as appropriate

est. width: <1m 1-10m 10-100m 100m 100m 110 est. water depth: <1m 1-3m 3-10m >10m _____ m

shoal(s) present [X] / N point bar present [X] / N bar-shoal substrate: silt / [X] sand / gravel / cobble / boulder / bedrock / debris

seasonal water level: low / mean / bank full / overbank flow est. change over next 7 days: falling - same - rising

5 OPERATIONAL FEATURES Suitable backshore staging [X] / N Access: Direct from backshore [X] / N Alongshore from next segment [X] / N

Debris: Y / [X] N oiled Y / N amount _____ bags or _____ trucks access restrictions _____

Oiled trees/shrubs [X] / N River Current strong [X] / N Other Features: _____

6 SURFACE OILING CONDITIONS begin with "A" in the lowest tidal zone - circle the zone/s that correspond to primary shoreline type

915
916

OIL ZONE ID	RIVER BANK ZONE				OIL COVER			OIL THICKNESS							OIL CHARACTER							SUBST. TYPE(S)
	MS	LB	UB	OB	Length m	Width m	Distrib. %	TO	CV	CT	ST	FL	FR	MS	TB	PT	TC	SR	AP	NO		
A			<u>[X]</u>	<u>[X]</u>	290	2	0														X	Gr Vy
B			<u>[X]</u>	<u>[X]</u>	280	2	0.60			C	P		X									Sd Vy

7 SUBSURFACE OILING CONDITIONS use letter for ZONE location plus Number of pit or trench - e.g., "A1"

TRENCH or PIT NO.	RIVER BANK ZONE				MAX. PIT DEPTH cm	OILED ZONE cm-cm	SUBSURFACE OIL CHARACTER						WATER TABLE cm	SHEEN COLOUR B, R, S, N	CLEAN BELOW Yes / No	SUBST. TYPE(S)	
	MS	LB	UB	OB			SAP	OP	PP	OR	OF	TR					NO

8 COMMENTS ecological/recreational/cultural/economic constraints - shorezone biota and wildlife observations - cleanup recommendations

Overbank Survey Required [X] / N Overbank Survey Completed Y / [X] Shoreline Survey Completed [X] / N

Zone B has stunted + could veg (primarily grass)
Veg needs to be cut and/or trimmed and removed

Sketch [X] / No Photos [X] / No Frames _____ Photographer _____

D13/a

1 GENERAL INFORMATION

Segment/Reach ID: C08 Left Bank (Right Bank / Island)

Operations Division: C

Date (dd/mm/yy): 22/08/11 Time (24h): std / daylight 1000 hrs to 1200 hrs

Water Level: low - mean - bankfull - overbank mean
 falling - steady - rising

Survey by: Foot / ATV / Boat / Helicopter / Overlook / Sun Clouds / Fog / Rain / Snow / Windy / Calm

Air Temp +/- 22 deg C

2 SURVEY TEAM # 4

Name	Organization	Signature
Damien Korte	Cardno Entrix	<i>[Signature]</i>
Merle Gaurreau	Polaris	<i>[Signature]</i>
Thomas Freeman	Polaris	<i>[Signature]</i>
Cindy Santiago	EPA	<i>[Signature]</i>
Jeffrey Herrick	DEQ	<i>[Signature]</i>

3 SEGMENT Total Segment/Reach Length 770 m Segment/Reach Length Surveyed 570 m

Start GPS: LATITUDE _____ deg. _____ min. LONGITUDE _____ deg. _____ min. Datum: _____

End GPS: LATITUDE _____ deg. _____ min. LONGITUDE _____ deg. _____ min.

4A RIVER BANK TYPE SELECT only one primary (P) shoreline type and any number of secondary (S) types. CIRCLE those OILED

Bedrock: Cliff/Ramp _____ Shelf _____ Manmade: Solid _____ Permeable _____ (type) _____ Wetland: Swamp _____ Bog/Fen _____ Marsh _____

Sediment Bank: Clay/Mud _____ Sand _____ Mixed _____ Pebble/Cobble _____ Boulder _____ Peat/Organic _____ Vegetated Bank: XIP Wooded Upland: S

Sediment Flat: Clay/Mud _____ Sand _____ Mixed/Coarse _____ Other: _____ If snow and ice use Winter River SOS

4B RIVER VALLEY CHARACTER select as appropriate complete for primary

Cliff or Bluff: _____ Est Height _____ m canyon _____ manmade _____ meander _____ confined or leveed _____ Substrate Type: Grass

Sloped: (>5°)(15°)(30°) straight _____ braided ✓ oxbow _____ flood plain valley _____ Forested / Vegetated / Bare

4C RIVER CHANNEL CHARACTER circle or select as appropriate

est. width: <1m 1-10m 10-100m >100m est. water depth: <1m 1-3m 3-10m >10m _____ m

shoal(s) present Y/N point bar present Y/N bar-shoal substrate: silt / sand / gravel / cobble / boulder / bedrock / debris

seasonal water level: low / mean / bank full / overbank flow est. change over next 7 days: falling - same - rising

5 OPERATIONAL FEATURES

Suitable backshore staging Y/N Access: Direct from backshore Y/N Alongshore from next segment Y/N

Debris Y/N oiled Y/N amount _____ bags or _____ trucks access restrictions Exxon property, requires security clearance.

Oiled trees/shrubs Y/N River Current strong Y/N Other Features: _____

6 SURFACE OILING CONDITIONS begin with "A" in the lowest tidal zone - circle the zone/s that correspond to primary shoreline type

OIL ZONE	RIVER BANK ZONE				OIL COVER			OIL THICKNESS					OIL CHARACTER						SUBST. TYPE(S)			
					Length	Width	Distrib.	TO	CV	CT	ST	FL	FR	MS	TB	PT	TC	SR		AP	NO	
	ID	MS	LB	UB	OB	m	m	%														
A				✓	570	260	0														✓	
B				✓	280	120	<1			S	P											Grass, shrubs
C				✓	5	5	<1			S	P											Grass
D				✓	20	10	<1			S	P											Grass, trees
E				✓	30	10	<1			P	S											Trees

4786
1787
1788
1789

7 SUBSURFACE OILING CONDITIONS use letter for ZONE location plus Number of pit or trench - e.g., "A1"

TRENCH or PIT NO.	RIVER BANK ZONE				MAX. PIT DEPTH cm	OILED ZONE cm-cm	SUBSURFACE OIL CHARACTER						WATER TABLE cm	SHEEN COLOUR B, R, S, N	CLEAN BELOW Yes / No	SUBST. TYPE(S)
	MS	LB	UB	OB			SAP	OP	PP	OR	OF	TR				

8 COMMENTS ecological/recreational/cultural/economic constraints - shorezone biota and wildlife observations - cleanup recommendations

Overbank Survey Required Y/N Overbank Survey Completed Y/N Shoreline Survey Completed Y/N

Zone A - N00

Zone B - Very light distribution of primarily stain with coat on grass ^{and shrubs} ~~ATM~~, recommend ATM 1.

Zone C - Very light distribution of primarily stain with coat on grass, NFT

Zone D - Very light distribution of primarily stain with coat on grass and tree branches, NFT

~~Zone E - very light distribution of primarily coat on tree branches.~~

We were accompanied by Steve Marks, Exxon environmentalist, during SCAT survey.

Sketch Yes / No Photos Yes / No Frames/Photographer: JK

9/1/2009

2011

50
Team #4
C08 RB
08/22/11

C8

001

C08-RB

002

C08E

C08E

003

007

006

005

004

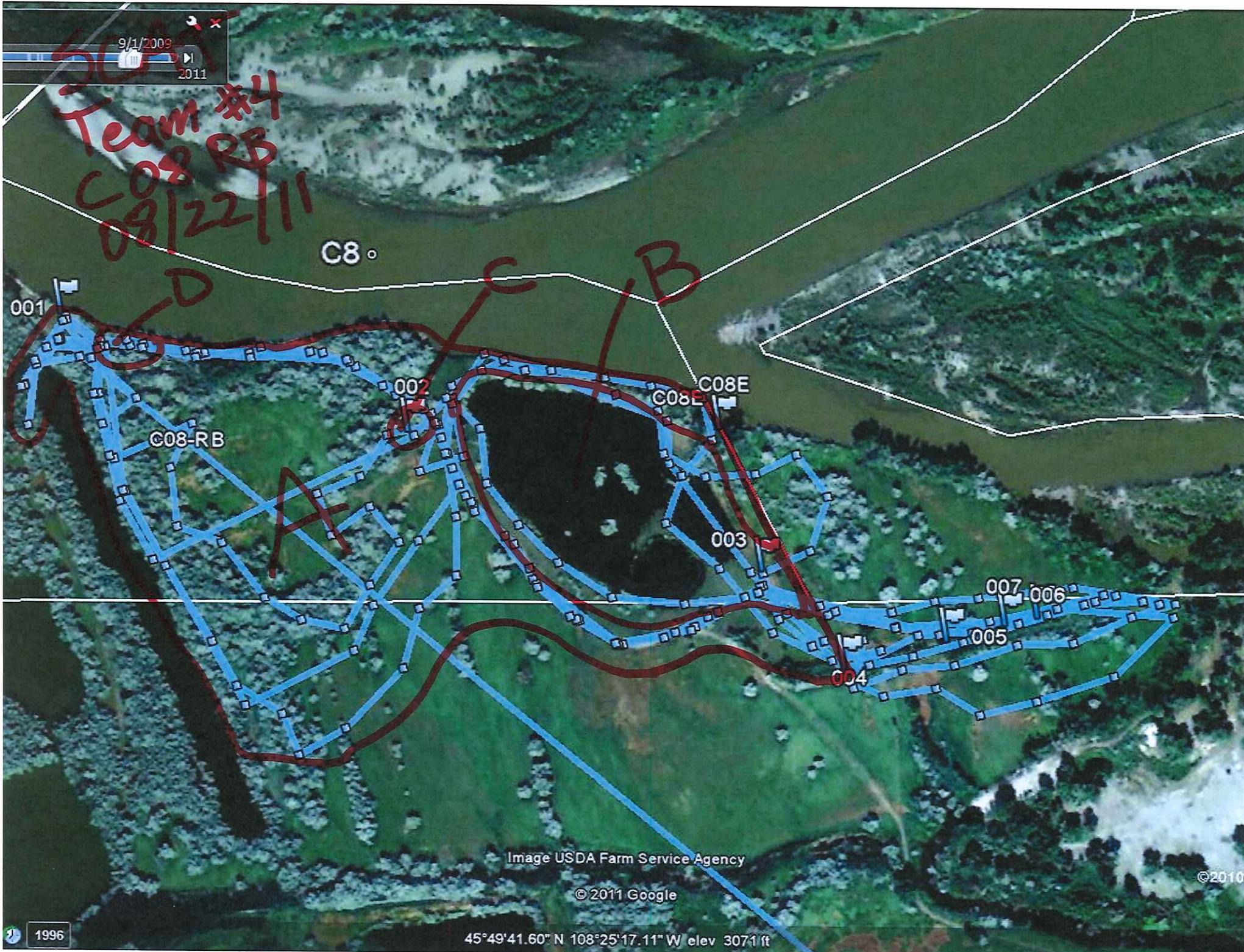
Image USDA Farm Service Agency

© 2011 Google

© 2010

1996

45°49'41.60" N 108°25'17.11" W elev 3071 ft



DB/G/S

RIVER BANK OILING SUMMARY FORM for Silvertip Pipeline Incident

1 GENERAL INFORMATION		Date (dd/mm/yy) 26/07/2011	Time (24h): std / daylight 945 hrs to 1142 hrs	Water Level low - mean - <u>bankfull</u> - overbank falling - steady - rising
Segment/Reach ID: C8 <u>Left Bank</u> / Right Bank / Island		Operations Division:		
Survey by: <u>Foot</u> / ATV / Boat / Helicopter / Overlook / _____		<u>Sun</u> / Clouds / Fog / Rain / Snow / Windy / Calm		Air Temp + / - <u>28</u> deg C

2 SURVEY TEAM # <u>NA</u>	Name	Organization	Signature
Richard Marty		Polaris	<i>Richard C. Marty</i>
Austin West		USCG	<i>Austin West</i>
Daryl Reed		State of Montana	<i>Daryl Reed</i>

3 SEGMENT Total Segment/Reach Length 790 m Segment/Reach Length Surveyed 790 m

Start GPS: LATITUDE _____ deg. _____ min. LONGITUDE _____ deg. _____ min. Datum: _____

End GPS: LATITUDE _____ deg. _____ min. LONGITUDE _____ deg. _____ min.

4A RIVER BANK TYPE SELECT only one primary (P) shoreline type and any number of secondary (S) types. CIRCLE those OILED

Bedrock: Cliff/Ramp _____ Shelf _____ Manmade: Solid _____ Permeable _____ (type) _____ Wetland: Swamp _____ Bog/Fen _____ Marsh _____

Sediment Bank: Clay/Mud S Sand _____ Mixed _____ Pebble/Cobble _____ Boulder _____ Peat/Organic _____ Vegetated Bank: P Wooded Upland: S

Sediment Flat: Clay/Mud _____ Sand _____ Mixed/Coarse _____ Other: _____ If snow and ice use Winter River SOS

4B RIVER VALLEY CHARACTER select as appropriate complete for primary

Cliff or Bluff: Est Height _____ m canyon _____ manmade _____ meander X confined or leveed _____ Substrate Type: Silt/mud _____

Sloped: (>5°)(15°)(30°) straight _____ braided _____ oxbow _____ flood plain valley _____ Forested / Vegetated / Bare

4C RIVER CHANNEL CHARACTER circle or select as appropriate

est. width: <1m 1-10m 10-100m >100m 100 m est. water depth: <1m 1-3 m 3-10m >10m _____ m

shoal(s) present Y / N point bar present Y / N bar-shoal substrate: silt / sand / gravel / cobble / boulder / bedrock / debris

seasonal water level: low / mean / bank full / overbank flow est. change over next 7 days: falling — same — rising

5 OPERATIONAL FEATURES Suitable backshore staging Y / N Access: Direct from backshore Y / N Alongshore from next segment Y / N

Debris: Y / N oiled Y / N amount 1 bags or _____ trucks access restrictions: Use the 2003 Elaine Street Address; cross field and small creek to the segment.

6 SURFACE OILING CONDITIONS begin with "A" in the lowest tidal zone - circle the zone/s that correspond to primary shoreline type

OIL ZONE ID	RIVER BANK ZONE				OIL COVER			OIL THICKNESS					OIL CHARACTER						SUBST. TYPE(S)		
	MS	LB	UB	OB	Length m	Width m	Distrib. %	TO	CV	CT	ST	FL	FR	MS	TB	PT	TC	SR		AP	NO
774 775 776 777 A				x	240	5	1			⊖	x		x								Debris, veg
B				x	370	0.5	5				⊖		x								Grass
C				x	130	20	<1			⊖						x					Debris
D				x	703															x	

7 SUBSURFACE OILING CONDITIONS use letter for ZONE location plus Number of pit or trench — e.g., "A1"

TRENCH or PIT NO.	RIVER BANK ZONE				MAX. PIT DEPTH cm	OILED ZONE cm-cm	SUBSURFACE OIL CHARACTER						WATER TABLE cm	SHEEN COLOUR B, R, S, N	CLEAN BELOW Yes / No	SUBST. TYPE(S)	
	MS	LB	UB	OB			SAP	OP	PP	OR	OF	TR					NO
None																	

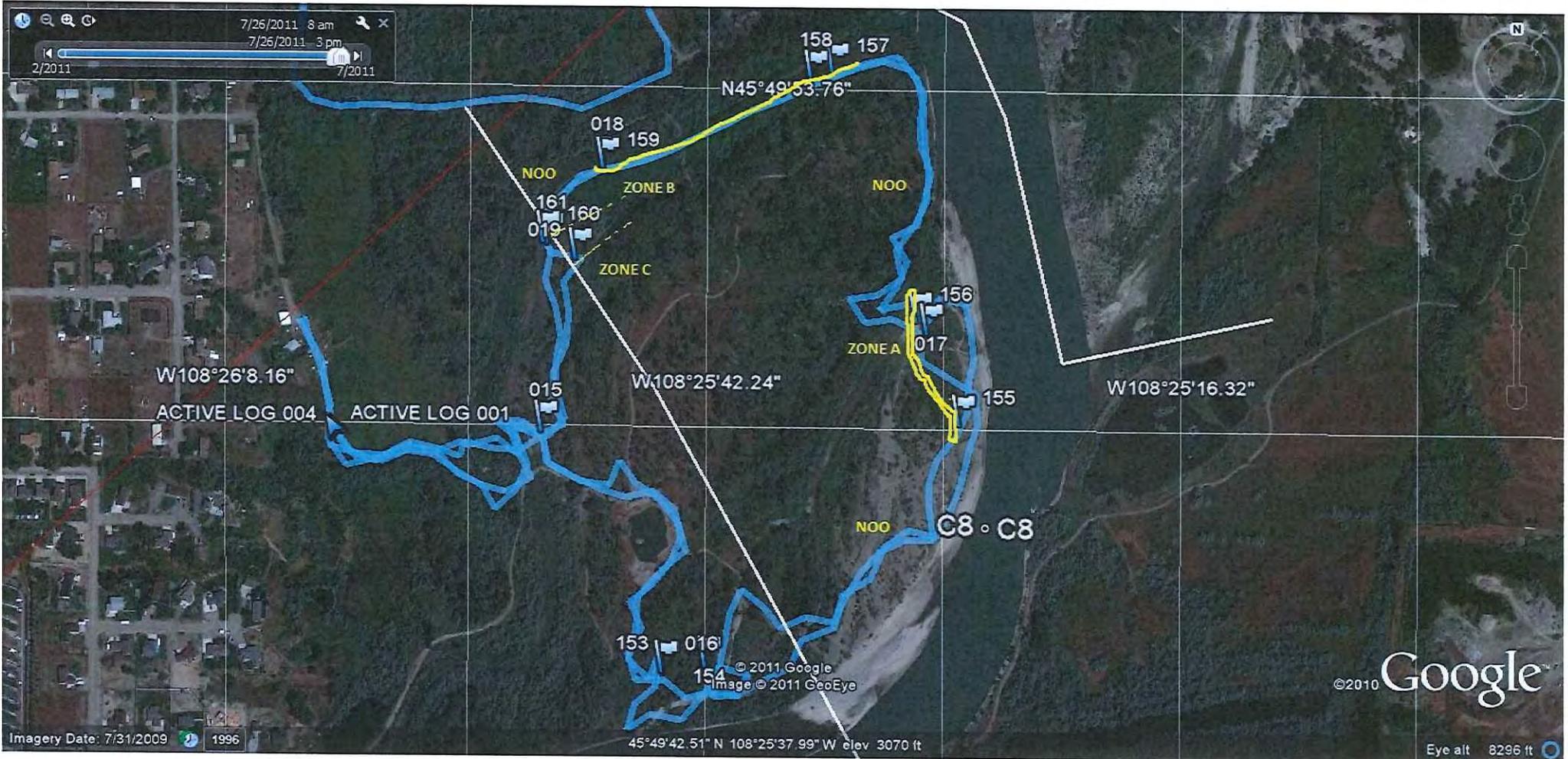
8 COMMENTS ecological/recreational/cultural/economic constraints - shorezone biota and wildlife observations - cleanup recommendations

Overbank Survey Required Y / N Overbank Survey Completed Y / N Shoreline Survey Completed Y / N

Zone A oiling on vegetation is approximately 100 cm up in a 5 cm band; Zone B oiling on grass is 25 cm up 4 cm of oiling.

Oiling in Zones A and C should be treated using a small crew to recover product balls, oiled debris, and oiled vegetation.

Sketch Yes / No Photos Yes / No Frames _____ Photographer _____



DB/G

RIVER BANK OILING SUMMARY FORM for Silvertip Pipeline Incident

Page _____ of _____

1 GENERAL INFORMATION		Date (dd/mm/yy)	Time (24h): std / daylight	Water Level
Segment/Reach ID: <u>C8</u>	<u>Left Bank</u> / Right Bank / Island	<u>27/07/11</u>	<u>9:39</u> hrs to <u>9:41</u> hrs	low - mean - bankfull - overbank
Operations Division: <u>C</u>				<u>falling</u> - steady - rising
Survey by: Foot / ATV / <u>Boat</u> / Helicopter / Overlook / _____	<u>Sun</u> / Clouds / Fog / Rain / Snow / Windy / Calm			Air Temp +/- <u>30</u> deg C

2 SURVEY TEAM # <u>1</u>	Name	Organization	Signature
	<u>Chuck Pons</u>	<u>Cardno ENTRIX</u>	<u>[Signature]</u>
	<u>Joy Watson</u>	<u>MFWP</u>	
	<u>Ernie McKenzie</u>	<u>US BLM</u>	

3 SEGMENT Total Segment/Reach Length 840 m Segment/Reach Length Surveyed 840 m

Start GPS: LATITUDE 45 deg. 49° 58.72 min. LONGITUDE 108 deg. 25° 29.70 min. Datum: WGS 84

End GPS: LATITUDE 45 deg. 49° 30.29 min. LONGITUDE 109 deg. 29° 35.65 min.

4A RIVER BANK TYPE SELECT only one primary (P) shoreline type and any number of secondary (S) types. CIRCLE those OILED

Bedrock: Cliff/Ramp _____ Shelf _____ Manmade: Solid _____ Permeable _____ (type) _____ Wetland: Swamp _____ Bog/Fen _____ Marsh _____

Sediment Bank: Clay/Mud _____ Sand P Mixed _____ Pebble/Cobble S Boulder _____ Peat/Organic _____ Vegetated Bank: [X] Wooded Upland: [X]

Sediment Flat: Clay/Mud _____ Sand _____ Mixed/Coarse _____ Other: _____ If snow and ice use Winter River SOS

4B RIVER VALLEY CHARACTER select as appropriate

Cliff or Bluff: _____ Est Height _____ m canyon _____ manmade _____ meander _____ confined or leveed _____ Substrate Type: Sand/Veget

Sloped: (>5°)(15°)(30°) straight _____ braided [X] oxbow _____ flood plain valley _____ Forested / Vegetated / Bare

4C RIVER CHANNEL CHARACTER circle or select as appropriate

est. width: <1m 1-10m 10-100m 100m 100m 110 est. water depth: <1m 1-3m 3-10m >10m _____ m

shoal(s) present [X] / N point bar present [X] / N bar-shoal substrate: silt / sand / gravel / cobble / boulder / bedrock / debris

seasonal water level: low / mean / bank full / overbank flow est. change over next 7 days: falling - same - rising

5 OPERATIONAL FEATURES

Suitable backshore staging [X] / N Access: Direct from backshore [X] / N Alongshore from next segment [X] / N

Debris: Y / [X] / N oiled Y / N amount _____ bags or _____ trucks access restrictions _____

Oiled trees/shrubs Y / [X] / N River Current strong [X] / N Other Features: _____

6 SURFACE OILING CONDITIONS begin with "A" in the lowest tidal zone - circle the zone/s that correspond to primary shoreline type

921
922
923
924

OIL ZONE ID	RIVER BANK ZONE				OIL COVER			OIL THICKNESS							OIL CHARACTER							SUBST. TYPE(S)
	MS	LB	UB	OB	Length m	Width m	Distrib. %	TO	CV	CT	ST	FL	FR	MS	TB	PT	TC	SR	AP	NO		
<u>XB</u>			<u>X</u>	<u>X</u>	<u>20</u>	<u>2</u>	<u>60</u>			<u>S</u>	<u>P</u>		<u>X</u>							<u>X</u>	<u>Sand/Veget</u>	
<u>BA</u>			<u>X</u>	<u>X</u>	<u>200</u>	<u>2</u>	<u>0</u>															
<u>BD</u>			<u>X</u>	<u>X</u>	<u>85</u>	<u>2</u>	<u>60</u>			<u>S</u>	<u>P</u>		<u>X</u>							<u>X</u>		
<u>BC</u>			<u>X</u>	<u>X</u>	<u>705</u>	<u>2</u>	<u>0</u>															

7 SUBSURFACE OILING CONDITIONS use letter for ZONE location plus Number of pit or trench - e.g., "A1"

TRENCH or PIT NO.	RIVER BANK ZONE				MAX. PIT DEPTH cm	OILED ZONE cm-cm	SUBSURFACE OIL CHARACTER						WATER TABLE cm	SHEEN COLOUR B, R, S, N	CLEAN BELOW Yes / No	SUBST. TYPE(S)
	MS	LB	UB	OB			SAP	OP	PP	OR	OF	TR				

8 COMMENTS ecological/recreational/cultural/economic constraints - shorezone biota and wildlife observations - cleanup recommendations

Overbank Survey Required [X] / N Overbank Survey Completed Y / N ? Shoreline Survey Completed [X] / N

Zones B + D have stained + control veg (primarily stress)
Veg needs to be cut and/or treated and removed.

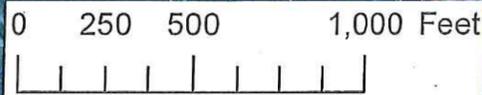
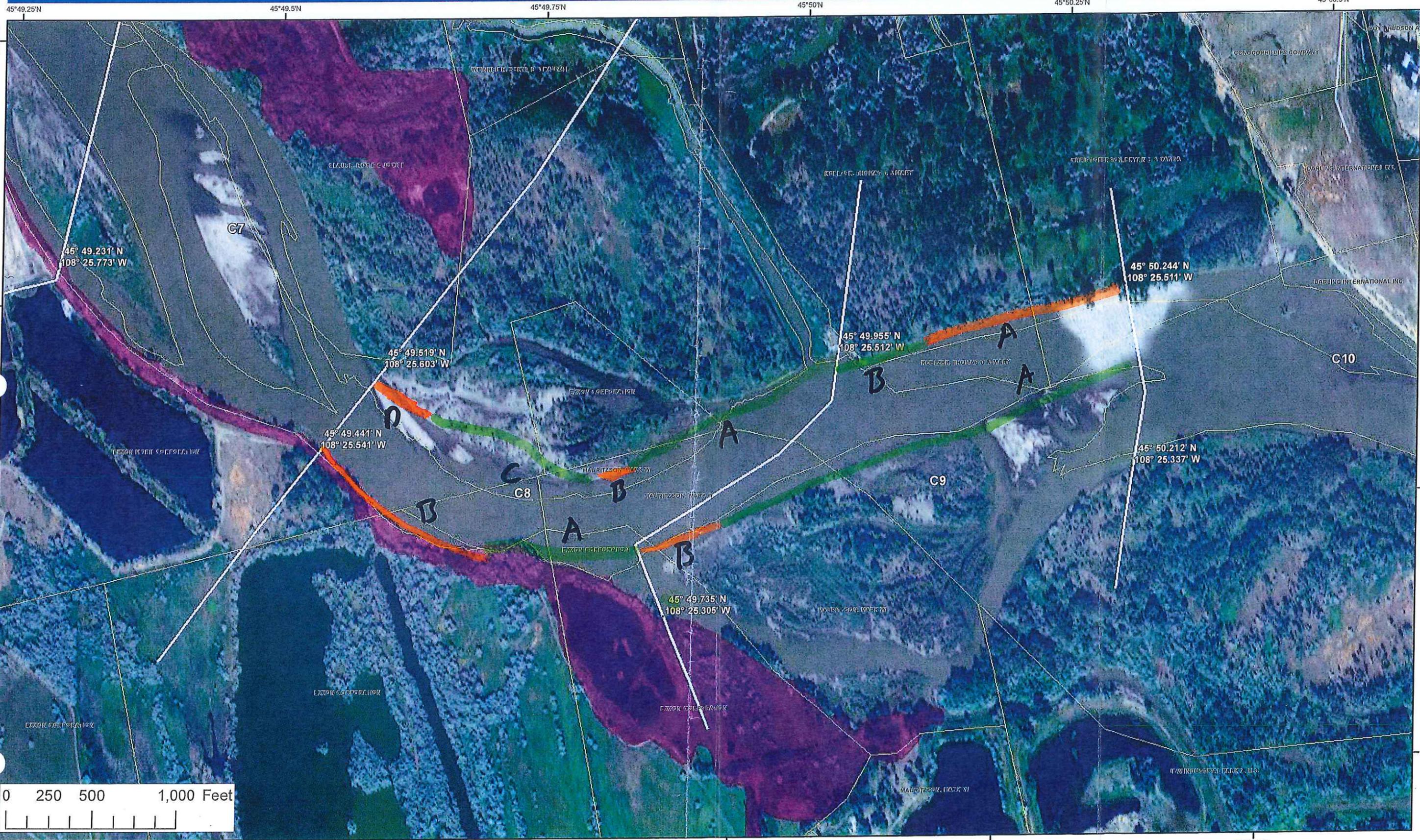
Sketch [X] / No Photos [X] / No Frames _____ Photographer _____



SILVERTIP PIPELINE INCIDENT

Yellowstone River

Map 28





Appendix C

Pre-Inspection Survey Transmittal

**A Pre-Inspection Survey was
not conducted for this area**



Appendix D

Post-Inspection Survey Transmittal

**A Post-Inspection Survey
was not conducted for this area**



Appendix E

Final SCAT Survey Forms
and Sketches

DB/G

RIVER BANK OILING SUMMARY FORM for Silvertip Pipeline Incident

1 GENERAL INFORMATION		Date (dd/mm/yy)	Time (24h): std / daylight	Water Level
Segment/Reach ID: <u>C28</u> Left Bank Right Bank / Island		<u>08/09/11</u>	<u>1330</u> hrs to <u>1445</u> hrs	low - mean - bankfull - overbank
Operations Division: <u>C</u>			<u>1345</u> hrs to <u>1450</u> hrs	falling - steady - rising
Survey by: <u>Foot / ATV / Boat / Helicopter / Overlook /</u>		<u>Sun</u> / Clouds / Fog / Rain / Snow / Windy / Calm		Air Temp +/- <u>30</u> deg C

2 SURVEY TEAM # <u>4</u>		name	organization	contact phone number
		<u>P.O. DALLAS</u>	<u>USCG</u>	
		<u>BRAD OLSZESKI</u>	<u>MT FWP</u>	<u>Brad Olszieski</u>
		<u>MICHAEL DIRKS</u>	<u>Cardno ENTRIX</u>	<u>Michael D. Dirks</u>

3 SEGMENT	Total Segment/Reach Length _____ m	Segment/Reach Length Surveyed <u>122</u> m
Start GPS: LATITUDE _____ deg. _____ min.	LONGITUDE _____ deg. _____ min.	Datum: <u>NAD83</u>
End GPS: LATITUDE _____ deg. _____ min.	LONGITUDE _____ deg. _____ min.	

4A RIVER BANK TYPE		SELECT only one primary (P) shoreline type and any number of secondary (S) types. CIRCLE those OILED	
Bedrock: Cliff/Ramp _____ Shelf _____	Manmade: Solid _____ Permeable _____ (type) _____	Wetland: Swamp _____ Bog/Fen _____ Marsh _____	
Sediment Bank: Clay/Mud _____ Sand _____ Mixed _____	<u>X</u> Pebble/Cobble _____ Boulder _____ Peat/Organic _____	Vegetated Bank: <u>X</u>	Wooded Upland: _____
Sediment Flat: Clay/Mud _____ Sand _____ Mixed/Coarse <u>X</u>	Other: _____	If snow and ice use Winter River SOS	

4B RIVER VALLEY CHARACTER		select as appropriate		complete for primary
Cliff or Bluff: _____ Est Height _____ m	canyon _____ manmade _____ meander _____	confined or leveed _____	Substrate Type: <u>Grasses</u>	
Sloped: <u>(>5°)(15°)(30°)</u>	straight _____ braided <u>S</u>	oxbow _____ flood plain valley <u>P</u>	Forested/ <u>Vegetated</u> / Bare	

4C RIVER CHANNEL CHARACTER		circle or select as appropriate	
est. width: <1m 1-10m 10-100m <u>>100m</u> _____ m	est. water depth: <1m <u>1-3m</u> 3-10m >10m _____ m		
shoal(s) present <u>Y/N</u> point bar present <u>Y/N</u>	bar-shoal substrate: silt / sand / gravel / cobble / boulder / bedrock / debris		
seasonal water level: low / <u>mean</u> / bank full / overbank flow	est. change over next 7 days: <u>falling</u> — same — rising		

5 OPERATIONAL FEATURES		Suitable backshore staging <u>Y/N</u>	Access: Direct from backshore <u>Y/N</u> Alongshore from next segment <u>Y/N</u>
Debris: <u>Y/N</u> oiled <u>Y/N</u> amount <u>1</u> bags or _____ trucks	Oiled trees/shrubs <u>Y/N</u>	River Current strong <u>Y/N</u>	Other Features: <u>EXXON MOBIL WILDLIFE AREA, REQUIRES ESCORT</u>

6 SURFACE OILING CONDITIONS																						begin with "A" in the lowest tidal zone - circle the zone/s that correspond to primary shoreline type	
OIL ZONE ID	RIVER BANK ZONE				OIL COVER			OIL THICKNESS					OIL CHARACTER							SUBST. TYPE(S)			
	MS	LB	UB	OB	Length m	Width m	Distrib. %	TO	CV	CT	ST	FL	FR	MS	TB	PT	TC	SR	AP		NO		
<u>2199</u> A			<u>S</u>	<u>P</u>	<u>122</u>	<u>12</u>	<u><1</u>			<u>S</u>	<u>P</u>						<u>X</u>				<u>Grasses, Vegetation</u>		

7 SUBSURFACE OILING CONDITIONS										use letter for ZONE location plus Number of pit or trench— e.g., "A1"						
TRENCH or PIT NO.	RIVER BANK ZONE				MAX. PIT DEPTH cm	OILED ZONE cm-cm	SUBSURFACE OIL CHARACTER						WATER TABLE cm	SHEEN COLOUR B, R, S, N	CLEAN BELOW Yes / No	SUBST. TYPE(S)
	MS	LB	UB	OB			SAP	OP	PP	OR	OF	TR				

8 COMMENTS ecological/recreational/cultural/economic constraints - shorezone biota and wildlife observations - cleanup recommendations

RESCAT:

ZONE A: VERY LIGHT OILING w/ WEATHERED AREAS OF DRIED OIL, REMOVED FLAGS, RESPECTED PROPERTY OWNERS WISHES FOR NATURALLY ATTENUATION IN OTHER AREAS.

RECOMMENDATION: NFT

(for ALL sub-segments record: sub-segment ID, length, length surveyed, and GPS start/end fixes)

Sketch Yes/No Photos Yes/No (Roll # _____ Frames _____) Video Tape Yes/No (tape# _____)



C03-RB

A

ACTIVE LOG

ACTIVE LOG

Image © 2011 GeoEye
© 2011 Google

lat 45.825873° lon -108.422665° elev 3075 ft

Google

Eye alt 6351 ft

D13/16

1 GENERAL INFORMATION		Date (dd/mm/yy) 03/09/11	Time (24h): std / daylight 0800 hrs to 1245 hrs	Water Level low - <u>mean</u> - bankfull - overbank falling - steady - rising
Segment/Reach ID: C08 <u>Left Bank / Right Bank / Island</u>		Operations Division: C		
Survey by: <u>Foot / ATV / Boat / Helicopter / Overlook /</u>		Sun / Clouds / Fog / Rain / Snow / Windy / Calm		Air Temp +/- <u>2.5</u> deg C

2 SURVEY TEAM # 5	Name	Organization	Signature
Josh Hofkes		Cardno ENTRIX	
Jay Watson		FWO	
Juan Patino		USCG	

3 SEGMENT	Total Segment/Reach Length _____ m	Segment/Reach Length Surveyed <u>816</u> m
Start GPS: LATITUDE _____ deg. _____ min.	LONGITUDE _____ deg. _____ min.	Datum: _____
End GPS: LATITUDE _____ deg. _____ min.	LONGITUDE _____ deg. _____ min.	

4A RIVER BANK TYPE				SELECT only one primary (P) shoreline type and any number of secondary (S) types. CIRCLE those OILED			
Bedrock: Cliff/Ramp _____ Shelf _____	Manmade: Solid _____ Permeable _____ (type) _____	Wetland: Swamp _____ Bog/Fen _____ Marsh _____		Vegetated Bank: <u>X</u>		Wooded Upland: <u>X</u>	
Sediment Bank: Clay/Mud _____ Sand _____ Mixed <u>P</u>	Pebble/Cobble _____ Boulder _____	Peat/Organic <u>S</u>		If snow and ice use Winter River SOS			
Sediment Flat: Clay/Mud _____ Sand _____ Mixed/Coarse _____	Other: _____						

4B RIVER VALLEY CHARACTER				select as appropriate				complete for primary			
Cliff or Bluff: _____ Est Height _____ m	canyon _____	manmade _____	meander _____	confined or leveed _____				Substrate Type: <u>mix</u>			
Sloped: _____ (>5°)(15°)(30°)	straight _____	braided <u>S</u>	oxbow _____	flood plain valley <u>P</u>				Forested / Vegetated / Bare			

4C RIVER CHANNEL CHARACTER								circle or select as appropriate							
est. width: <1m 1-10m 10-100m <u><100m</u>				est. water depth: <1m <u>1-3m</u> 3-10m >10m _____ m				shoal(s) present <u>Y</u> / N				point bar present <u>Y</u> / N			
seasonal water level: low <u>mean</u> / bank full / overbank flow				est. change over next 7 days: <u>falling</u> - same - rising				bar-shoal substrate: silt / sand / gravel / <u>cobble</u> / boulder / bedrock / debris							

5 OPERATIONAL FEATURES				Suitable backshore staging Y / N				Access: Direct from backshore Y / N				Alongshore from next segment Y / N			
Debris: Y / N oiled Y / N amount _____ bags or _____ trucks				access restrictions				Oiled trees/shrubs Y / N				River Current strong Y / N			
Other Features:															

6 SURFACE OILING CONDITIONS																						SUBST. TYPE(S)	
OIL ZONE ID	RIVER BANK ZONE				OIL COVER			OIL THICKNESS					OIL CHARACTER										
	MS	LB	UB	OB	Length	Width	Distrib.	TO	CV	CT	ST	FL	FR	MS	TB	PT	TC	SR	AP	NO			
	m	m	%	m	m	%																	
A				<u>X</u>	816	400	<u>L1</u>			<u>X</u>	<u>⊗</u>						<u>X</u>						

7 SUBSURFACE OILING CONDITIONS														SUBST. TYPE(S)			
TRENCH or PIT NO.	RIVER BANK ZONE				MAX. PIT DEPTH	OILED ZONE	SUBSURFACE OIL CHARACTER						WATER TABLE	SHEEN COLOUR	CLEAN BELOW		
	MS	LB	UB	OB	cm	cm-cm	SAP	OP	PP	OR	OF	TR	NO	cm	B, R, S, N	Yes / No	

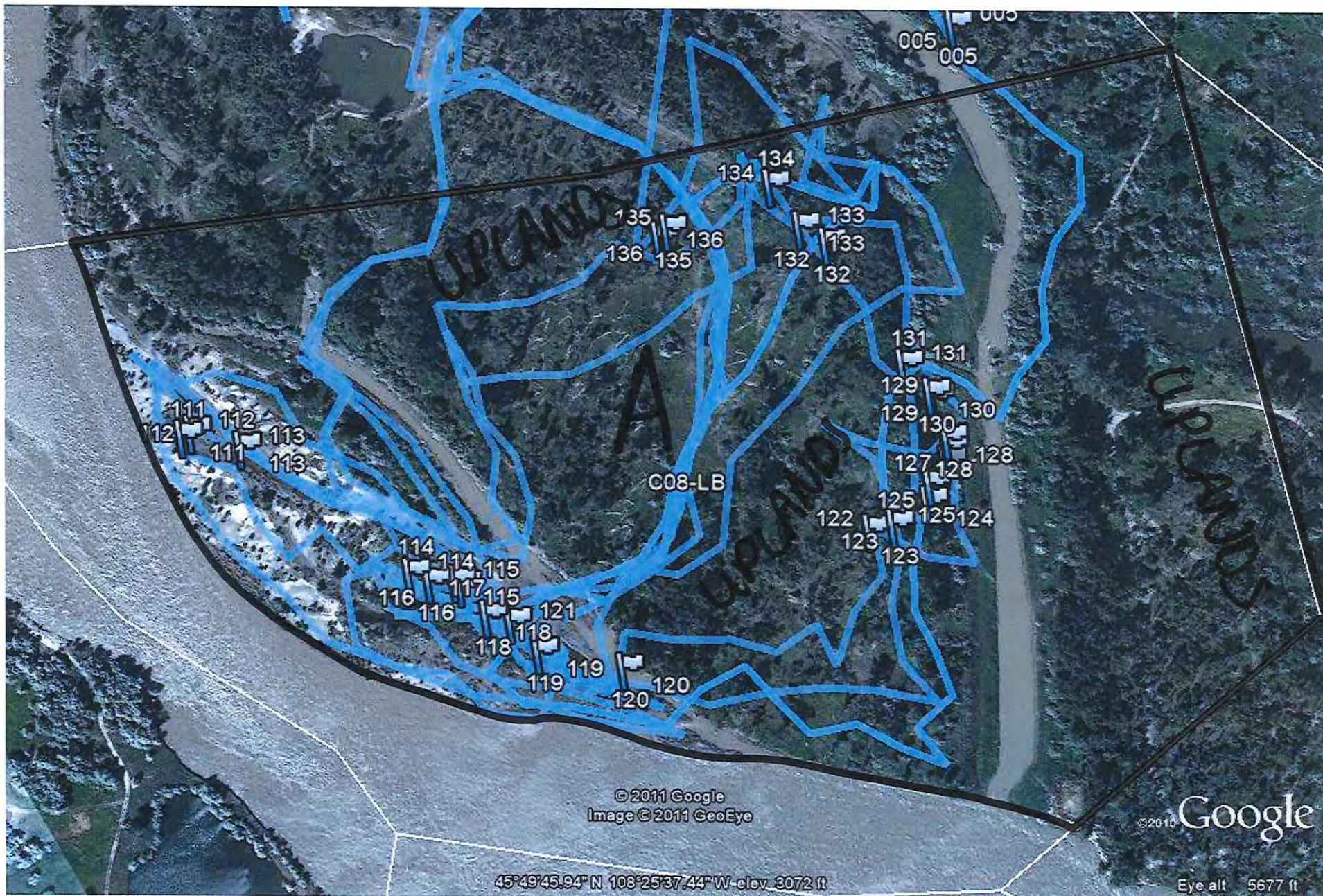
8 COMMENTS									
ecological/recreational/cultural/economic constraints - shorezone biota and wildlife observations - cleanup recommendations									
Overbank Survey Required <u>Y</u> / N Overbank Survey Completed <u>Y</u> / N Shoreline Survey Completed <u>Y</u> / N									

zone A: Less than 1% oil stain

3 Hotshots: Removed 15-20 bags of oil coat on veg. / small woody debris

⇒ N.F.T. *ResCAT

Sketch Yes / No Photos Yes / No Frames/Photographer: _____



TEAM 5

September 3, 2011

CO8-LB

ZONE A: Less than 1%
oil cost

N. F. T.



Appendix F

Completed SCAT Segment
Sign-Off Forms

SCAT SEGMENT OPERATIONS COMPLETION SIGN-OFF SHEET

SILVERTIP PIPELINE RELEASE

Segment CO8RB Date of Survey 09/08/11

Dates of Initial SCAT Assessments 2550611 (FL)
(to be filled out by SCAT Data Management)

CTR(s) Associated with SCAT Segment 60

Segment has been treated by Operations or an Operations Hotshot Team YES NO

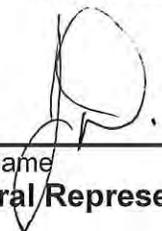
Segment Assessment Complete¹

Partial Segment Assessment

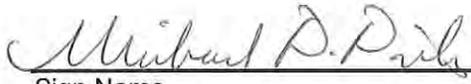
The undersigned are in agreement that the above segment or partial segment meets the Approved Treatment Methods Target Endpoints.

This Segment is Conditionally Approved
(See attached Post Inspection Survey Transmittal (POST))

The undersigned are in agreement that the above segment meets the Approved Treatment Methods Target Endpoints conditional upon completion of the treatment identified in the attached Post Inspection Survey Transmittal (POST).


Sign Name _____ Print Name/ Affiliation JAMEL H. DALIAS Date 9/8/11
Federal Representative (EPA/USCG)


Sign Name _____ Print Name/ Affiliation BRAD OLSEWSKI / FWP Date 9/8/11
State Representative (DEQ/FWP)


Sign Name _____ Print Name/ Affiliation MIKE DIRKS / Corduro ENTRIX Date 09/08/11
RP Representative (SCAT RP Representative)

Once all applicable SCAT Segments (i.e. LB, RB, and IS) within a particular SCAT Area (i.e. A21) have been successfully signed-off during a formal SCAT Assessment, the SCAT Area will achieve the Response Endpoints and an Area Transition Report will be completed and submitted to EPA and DEQ.

¹ A Segment Sign-Off Assessment is considered complete when all accessible lands that have not already been signed-off by a claims liaison have been surveyed. If any previous SCAT Assessments were conducted, all lands that were originally recommended for treatment must be re-surveyed in the Sign-Off Assessment. If the conducted survey does not meet these conditions it is considered a Partial Assessment. Multiple Partial Assessments that meet the conditions of a Complete Assessment may together constitute a Complete Sign-Off Assessment.

SCAT SEGMENT OPERATIONS COMPLETION SIGN-OFF SHEET

SILVERTIP PIPELINE RELEASE

Segment COB LB

Date of Survey September 3, 2011

Dates of Initial SCAT Assessments

26 JUL 11 (+6)
(to be filled out by SCAT Data Management)

CTR(s) Associated with SCAT Segment

Segment has been treated by Operations or an Operations Hotshot Team

YES

NO

Segment Assessment Complete¹

Partial Segment Assessment

The undersigned are in agreement that the above segment or partial segment meets the Approved Treatment Methods Target Endpoints.

This Segment is Conditionally Approved

(See attached Post Inspection Survey Transmittal (POST))

The undersigned are in agreement that the above segment meets the Approved Treatment Methods Target Endpoints conditional upon completion of the treatment identified in the attached Post Inspection Survey Transmittal (POST).

[Signature] [Signature] VSCG GST 05 AUG 2011
Sign Name Print Name/ Affiliation Date
Federal Representative (EPA/USCG)

[Signature] JAY WATSON 9/3/11
Sign Name Print Name/ Affiliation Date
State Representative (DEQ/FWP)

[Signature] Josh Hafke/Cardno 9/3/11
Sign Name Print Name/ Affiliation Date
RP Representative (SCAT RP Representative)

Once all applicable SCAT Segments (i.e. LB, RB, and IS) within a particular SCAT Area (i.e. A21) have been successfully signed-off during a formal SCAT Assessment, the SCAT Area will achieve the Response Endpoints and an Area Transition Report will be completed and submitted to EPA and DEQ.

¹ A Segment Sign-Off Assessment is considered complete when all accessible lands that have not already been signed-off by a claims liaison have been surveyed. If any previous SCAT Assessments were conducted, all lands that were originally recommended for treatment must be re-surveyed in the Sign-Off Assessment. If the conducted survey does not meet these conditions it is considered a Partial Assessment. Multiple Partial Assessments that meet the conditions of a Complete Assessment may together constitute a Complete Sign-Off Assessment.



Appendix G

CTR Addendum

CTR ADDENDUM

NAME: Exxon Refinery

ADDRESS: 607 Exxon Refinery Road

SEGMENT #: C8-C9

CTR #: N/A

CLAIMS VISIT COMPLETE

CLAIMS ADJUSTER NAME: _____

DATE: _____

CLAIMS ADJUSTER COMMENTS:

SCAT CLAIMS LIAISON VISIT COMPLETE

SCAT CLAIMS LIAISON NAME: Herb GAUREAU / Damien Korte

DATE: 22-08-11

SCAT CLAIMS LIAISON COMMENTS AND/OR INTERFACE WITH LAND OWNER

We met with Steve Marks, Exxon environmentalist, to discuss our SCAT findings. We are recommending ATM 1 for Zone B in C8(RB) and Zone B in C9(RB). Steve Marks prefers that the zones receive no treatment and be used for future oil weathering studies.

OPS COMPLETE

OPS LEAD NAME: _____

DATE: _____

OPS COMMENTS AND/OR INTERFACE WITH LAND OWNER

CROP TILLING / REMOVAL COMPLETE

POC NAME: _____

DATE: _____

POC COMMENTS AND/OR INTERFACE WITH LAND OWNER

FINAL WALKTHROUGH COMPLETE

SCAT CLAIMS LIAISON NAME: _____

DATE: _____

SCAT CLAIMS LIAISON COMMENTS AND/OR INTERFACE WITH LAND OWNER

ADDENDUM COMPLETE

NAME: Herb GAUREAU, Polaris

DATE: 22-08-11