

ExxonMobil Pipeline Company

**SCAT Area Transition Report
for B43**

Silvertip Pipeline Incident
Laurel, Montana

October 27, 2011



SCAT Area Transition Report for B43

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Laurel, Montana

Prepared for:
ExxonMobil Pipeline Company

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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 B43, 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 B43. 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 B43, 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 B43 is 14.0. There was an access issue for a small portion of the left bank.

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 regular inspections of Area B43. No oiled wildlife was observed or recovered. A deceased Cooper's hawk (*Accipiter cooperii*) with no visible oiling was identified and retained. No Wildlife Priority Cleanup Areas were identified. No active migratory bird nests were identified in Area B43.

1.3 Summary of Environmental Sampling

Table 1 (below) summarizes samples collected within Area B43. 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 B43 are provided on Figure 3.

Table 1 Environmental Sampling Summary

Agency	Sample Num	Date	Matrix	Location	Latitude	Longitude	Results Validated?
CTEH	BIMT0817S0507	17-Aug-11	Soil_River	SO-B43	45.786528	-108.47816	No
EPA	SPSE113_071311	13-Jul-11	Sediment	SPSE113	45.784044	-108.47989	NA
EPA	SPSE113_071311	13-Jul-11	Sediment	SPSE113	45.784044	-108.47989	Yes

NA - Not Available

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 was one exceedance for benzo(a)pyrene in this area.

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 B43 are included in Appendix B. Figure 4 provides the maximum oiling zones observed by the SCAT team during the initial surveys of Area B43.

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. 32](#), [CTR No 33](#), [CTR No 35](#), and [CTR No. 46](#)).

1.6 Oil Removal Activities

Oil removal activities were conducted within Area B43 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 B43 following completion of oil removal activities. The SCAT team performed final surveys of the right bank, left bank, and island within SCAT Area B43 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 bank and island within Area B43, no further treatment is recommended for these segments. Based on the final SCAT surveys performed on the right bank, natural attenuation and no further treatment is recommended for this area. SCAT Segment Sign-Off Forms are included as Appendix F.



**SCAT Area Transition
Report for B43**

Silvertip Pipeline Incident
Laurel, Montana

2. Transition Sign-Off Form

SCAT Area Transition Report for B43

Prepared for:

Unified Command

Date

Unified Command – RP

SCAT Area Transition Report for B43

Prepared for:

Unified Command

Date

Unified Command – FOSC



**SCAT Area Transition
Report for B43**

Silvertip Pipeline Incident
Laurel, Montana

SCAT Area Transition Report for B43

Prepared for:

Unified Command

Date

Unified Command – MDEQ

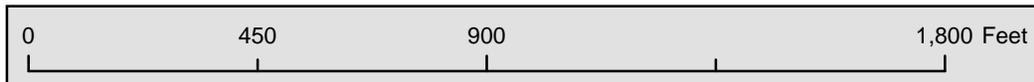
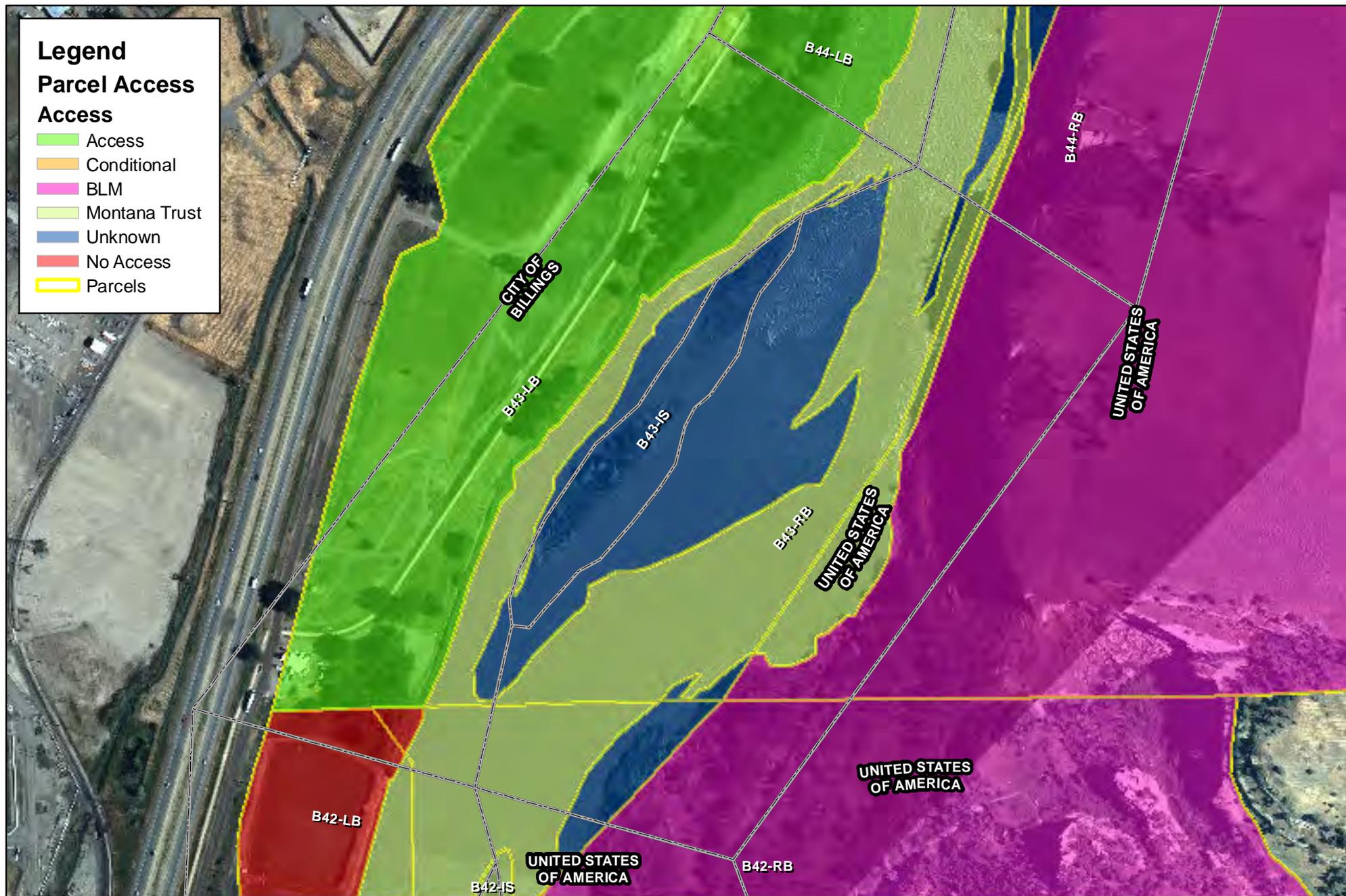


Figure 1

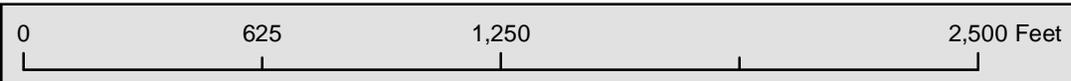


Figure 2
Wildlife Resources

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



Legend

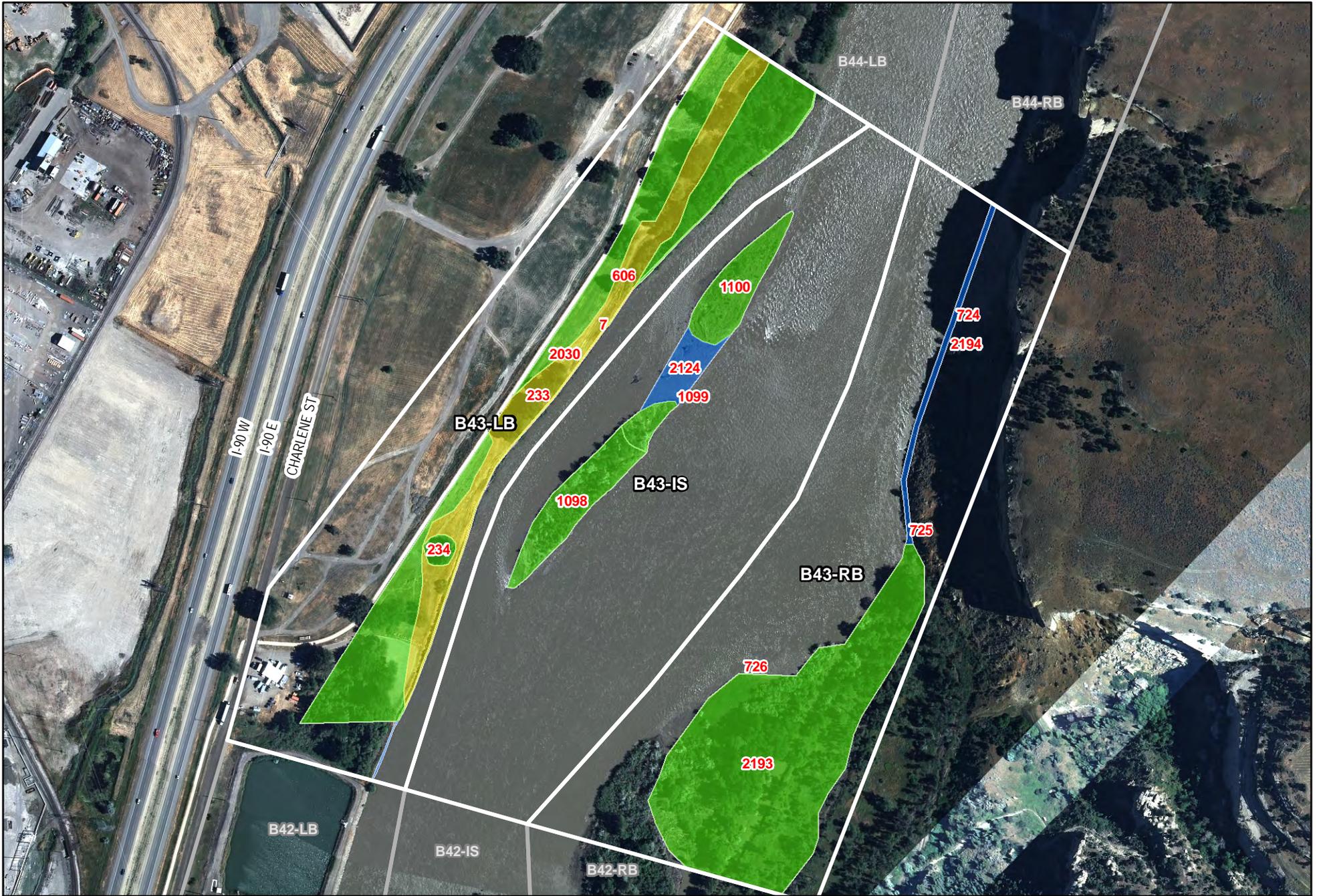
Silvertip SCAT Segments

Sample Locations

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

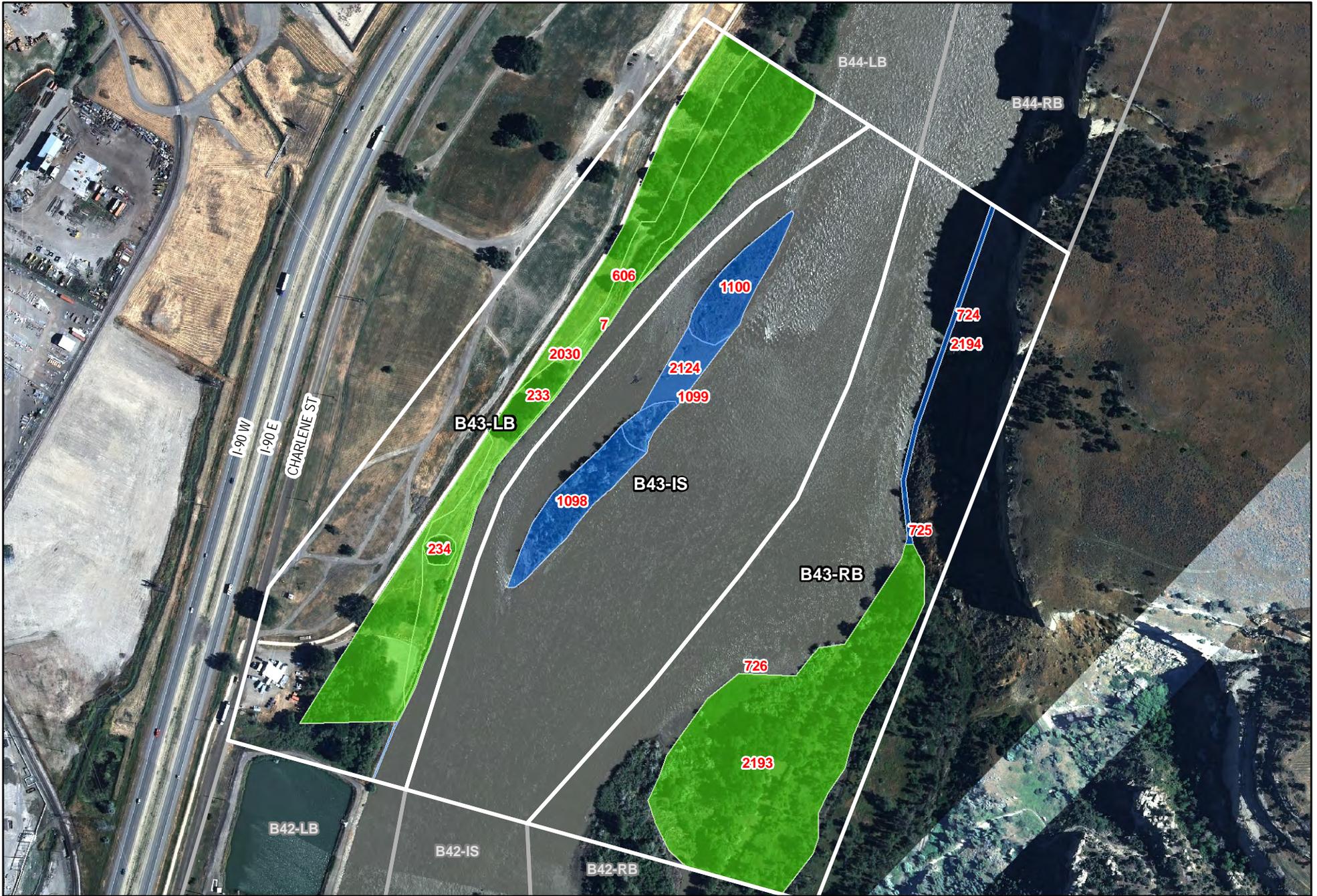


SCAT B43



	9999 Oiling Zone ID	Light Oiling
	Heavy Oiling	Very Light Oiling
	Moderate Oiling	No Oil Observed

Figure 4 - Maximum SCAT Observations For SCAT Area: B43



- 9999 Oiling Zone ID
- Heavy Oiling
- Moderate Oiling

- Light Oiling
- Very Light Oiling
- No Oil Observed



Figure 5 - Final SCAT Observations
For SCAT Area:





Appendix A

Sample Detection Summary



Detections in Samples Collected in SCAT Area B43

NA - Not Available

Detected Above Screening Level

Sample Num	Date	Sample Type	Matrix	Analytical Method	Analyte	Detected	Result	Screening Level	Result Qualifier	Units	Above?
BIMT0817SO507	08/17/2011	Field	Soil_River	EPA 6010	Arsenic	Y	12.5	40		mg/kg	no
BIMT0817SO507	08/17/2011	Field	Soil_River	EPA 6010	Barium	Y	103	820		mg/kg	no
BIMT0817SO507	08/17/2011	Field	Soil_River	EPA 8270 by SIM	Benzo(a)anthracene	Y	38.7	200		ug/kg	no
BIMT0817SO507	08/17/2011	Field	Soil_River	EPA 8270 by SIM	Benzo(a)pyrene	Y	39.2	20		ug/kg	YES
BIMT0817SO507	08/17/2011	Field	Soil_River	EPA 8270 by SIM	Benzo(b)fluoranthene	Y	61.1	200		ug/kg	no
BIMT0817SO507	08/17/2011	Field	Soil_River	EPA 8270 by SIM	Benzo(k)fluoranthene	Y	26.8	2000		ug/kg	no
BIMT0817SO507	08/17/2011	Field	Soil_River	EPA 6010	Cadmium	Y	0.77	3.8		mg/kg	no
BIMT0817SO507	08/17/2011	Field	Soil_River	EPA 6010	Chromium	Y	16.5	280		mg/kg	no
BIMT0817SO507	08/17/2011	Field	Soil_River	EPA 8270 by SIM	Chrysene	Y	41.1	20000		ug/kg	no
BIMT0817SO507	08/17/2011	Field	Soil_River	EPA 8270 by SIM	Fluoranthene	Y	70.2	300000		ug/kg	no
BIMT0817SO507	08/17/2011	Field	Soil_River	EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	Y	13.4	200		ug/kg	no
BIMT0817SO507	08/17/2011	Field	Soil_River	EPA 6010	Lead	Y	8.4	400		mg/kg	no
BIMT0817SO507	08/17/2011	Field	Soil_River	EPA 9060	Mean Total Organic Carbon	Y	12400	NA		mg/kg	no
BIMT0817SO507	08/17/2011	Field	Soil_River	EPA 6010	Nickel	Y	12.4	150		mg/kg	no
BIMT0817SO507	08/17/2011	Field	Soil_River	EPA 8270 by SIM	Pyrene	Y	65	200000		ug/kg	no
BIMT0817SO507	08/17/2011	Field	Soil_River	EPA 9060	RSD%	Y	31.4	NA		%	no
BIMT0817SO507	08/17/2011	Field	Soil_River	MADEP EPH	Total Extractable Hydrocarbons	Y	25.4	200		mg/kg	no
BIMT0817SO507	08/17/2011	Field	Soil_River	EPA 9060	Total Organic Carbon	Y	17900	NA		mg/kg	no
BIMT0817SO507	08/17/2011	Field	Soil_River	EPA 6010	Vanadium	Y	31	39		mg/kg	no



Appendix B

Initial SCAT Survey Forms
and Sketches

DB/6/5

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>B43</u>	Left Bank / <u>Right Bank</u> / Island	19 / 07 / 11		low - mean / <u>bankfull</u> - overbank
Operations Division: B			<u>0854</u> hrs to <u>0858</u> hrs	<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>35</u> deg C	

2 SURVEY TEAM # 5	name	organization	contact phone number
	Bob Nailon	Cardno ENTRIX	713 817 2469
	John Beach <u>JFB</u>	EPA	707 364 0491
	Ken Frazer	FWP	406 247 2961

3 SEGMENT Total Segment/Reach Length 705 m Segment/Reach Length Surveyed 705 m

Start GPS: LATITUDE N deg. min. LONGITUDE W deg. min. Datum: WGS 84

End GPS: LATITUDE N deg. min. LONGITUDE W 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 S Mixed Pebble/Cobble S Boulder Peat/Organic Vegetated Bank P Wooded Upland:

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: mixed

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 150 m 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:

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		
A				X	330																✓	veg bank	
B				X	150		5				P		X									✓	veg bank
C				X	225																	✓	veg bank

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

OSR = 4 OSC = unk SSC = unk

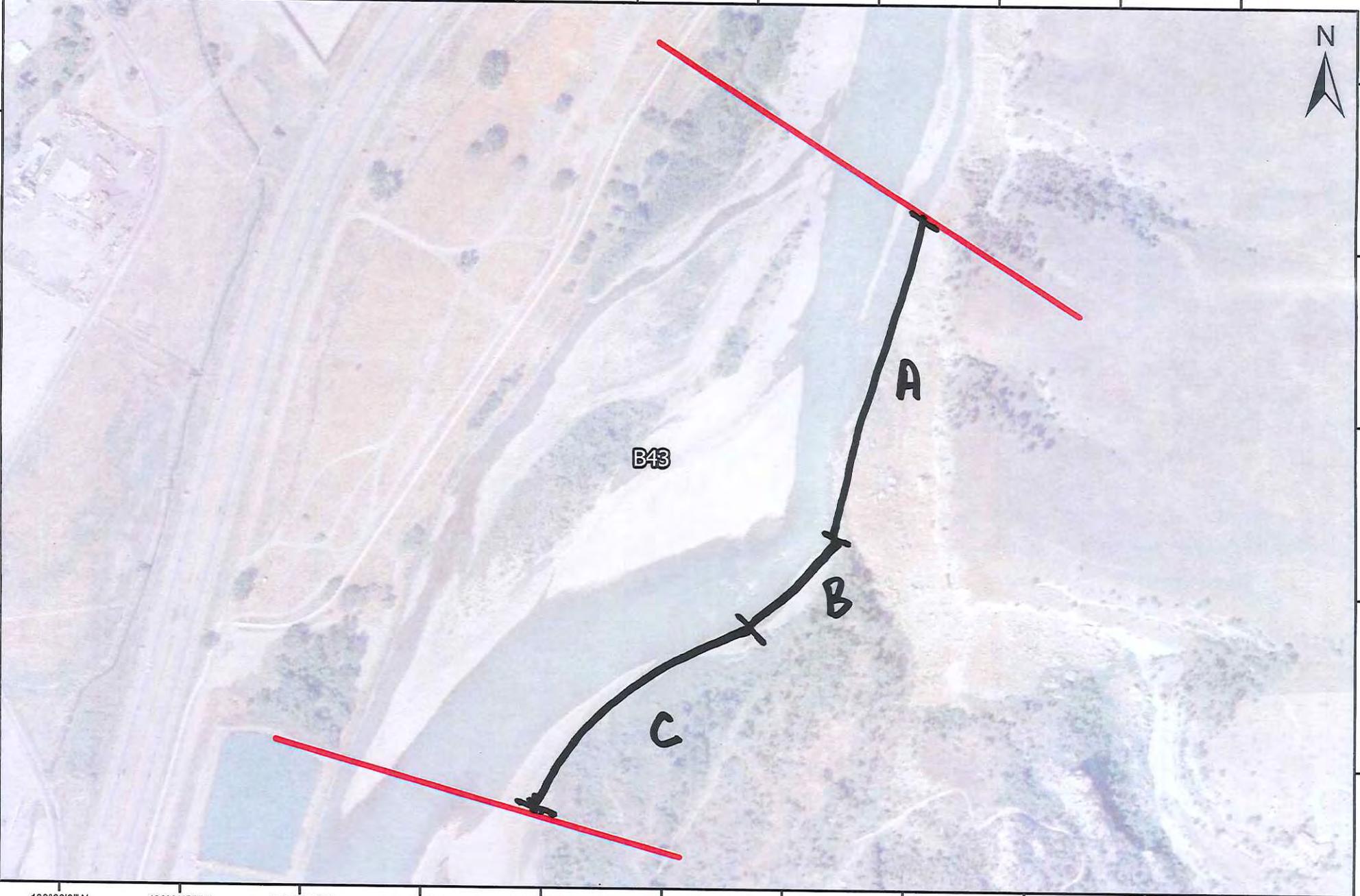
(for ALL sub-segments record: sub-segment ID, length, length surveyed, and GPS start/end fixes)

Sketch (Yes/No) Photos (Yes/No (Roll # 4977 Frames 4935) Video Tape Yes/No (tape#

108°29'0"W 108°28'55"W 108°28'50"W 108°28'45"W 108°28'40"W 108°28'35"W 108°28'30"W 108°28'25"W 108°28'20"W 108°28'15"W 108°28'10"W



45°47'20"N
45°47'15"N
45°47'10"N
45°47'5"N
45°47'0"N

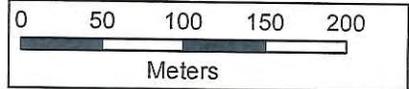


108°29'0"W 108°28'55"W 108°28'50"W 108°28'45"W 108°28'40"W 108°28'35"W 108°28'30"W 108°28'25"W 108°28'20"W 108°28'15"W 108°28'10"W

B43 -
(L/R/I)??

DATE:
TEAM:

COMMENTS:



B-43

DB 12/30

1 GENERAL INFORMATION Date (dd/mm/yy) 7-5-2011 Time (24h): std / daylight 1400 hrs to 1500 hrs Water Level low - mean - bankfull - overbank
 Segment/Reach ID: B-43 Left Bank / Right Bank / Island
 Operations Division: Foot / ATV / Boat / Helicopter / Overlook / Sup / Clouds / Fog / Rain / Snow / Windy / Calm Air Temp +/- den C
2 SURVEY TEAM # name organization contact phone number
R Henry Relaxis 409-540-0252
T Olson USCG 608-566-9044
J Parks J. Spindler BLM - 406-698-2057

3 SEGMENT Total Segment/Reach Length 700 m Segment/Reach Length Surveyed 700 m
 Start GPS: LATITUDE 45 deg. 46.839 min. LONGITUDE 108 deg. 28.937 min. Datum: _____
 End GPS: LATITUDE 45 deg. 46.546 min. LONGITUDE 108 deg. 29.115 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 S Pebble/Cobble Boulder Peat/Organic Vegetated Bank: P Wooded Upland:
 Sediment Flat: Clay/Mud S 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 1 m canyon manmade meander confined or leveed Substrate Type:
 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 m 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 / bankfull / 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: flood to overbank

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	
A					<u>700</u>	<u>700</u>				<u>700</u>											<u>✓</u>	<u>veg</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					NO

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

No oil observed.

No map

(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 # _____)

JP Signature received 8/24/11



- | | |
|---------------------|-------------------|
| 9999 Oiling Zone ID | Light Oiling |
| Heavy Oiling | Very Light Oiling |
| Moderate Oiling | No Oil Observed |

Figure 4 - Maximum SCAT Observations
For SCAT Area: B43



DB/G/Sc

RIVER BANK OILING SUMMARY FORM for Silvertip Pipeline Incident

1 GENERAL INFORMATION		Date (dd/mm/yy) 16/07/2011	Time (24h): std / daylight 1430 hrs to 1630 hrs	Water Level low - mean - bankfull - <u>overbank</u> falling - steady - rising
Segment/Reach ID: B43 <u>Left Bank</u> / Right Bank/Island				
Operations Division: A				
Survey by: <u>Foot</u> / ATV / Boat / Helicopter / Overlook / _____		Sun / Clouds / Fog / Rain / Snow / Windy / Calm		Air Temp + / - <u>27</u> deg C

2 SURVEY TEAM # 3	name	organization	contact phone number
Richard Marty <i>Richard Marty</i>		Polaris	208-360-0733
Jenni Nelson		Polaris	<i>Jenni Nelson</i>
Andrew Johnson <i>Andrew Johnson</i>		US Coast Guard	
Mike Ruggles		Montana Fish Wildlife and Parks	
Ned Balcon		Exxon-Mobile	

3 SEGMENT Total Segment/Reach Length _____ m Segment/Reach Length Surveyed 540 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: P Wooded Upland: _____

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 P confined or leveed _____ Substrate Type: 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 150 m 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 20 bags or _____ trucks access restrictions Area is wet and a fence separates the area and road

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

233
234

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	540	20	< 1		X				X									Veg.
B				X	30	20	3				X		X									Veg.

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)
							SAP	OP	PP	OR	OF	TR	NO					
NONE																		

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

COULSON PARK. Zone A is trace oil on vegetation which is found throughout the surveyed portion of the segment. Oiling is approximately 20 cm up stems and 5 cm thick. Zone B is oiled vegetation close to the river bank. The Zone B oiling is 0 cm up the stems of plants and 2 cm thick.

Oiled vegetation of Zone A should be cut, bagged, and disposed. Oiled vegetation of Zone B should be cut, bagged, and disposed. Oiled debris and cleanup debris from both zones should be collected, bagged, and disposed.

(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# _____)

© 2011 Google
Map data © 2011 Google

B44

021

B43

020

019

018 ACTIVE LOG

© 2011 Google
Image © 2011 Google

16°57'46.97" N 108°28'58.50" W

DB/G/S

RIVER BANK OILING SUMMARY FORM for Silvertip Pipeline Incident

1 GENERAL INFORMATION		Date (dd/mm/yy) 19-Jul-2011	Time (24h): std / daylight 0905 hrs to 0910 hrs	Water Level low - mean - <u>bankfull</u> - overbank <u>falling</u> - steady - rising
Segment/Reach ID: B43 <u>Left Bank</u> / Right Bank / Island				
Operations Division: B				
Survey by: Foot / ATV / <u>Boat</u> / Helicopter / Overlook / _____		Sun / Clouds / Fog / Rain / Snow / <u>Windy</u> / Calm		Air Temp +/- <u>31</u> deg C

2 SURVEY TEAM # 1	name	organization	contact phone number
Pete Lee <i>PDL</i>		Polaris	
Larry Alheim <i>LA</i>		MTDEQ	
Andy Johnson <i>A. Johnson</i>		USCG	<i>[Signature]</i>

3 SEGMENT Total Segment/Reach Length _____ m Segment/Reach Length Surveyed 696 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) Rip Rap _____ **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 30m 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 / bankfull / 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: _____

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		
A				X	696	1															X	Grass, trees, riprap	

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

Oil band heights: NO

Treatment Recommendations:
Zone A: No oil observed; no treatment required.

Sketch Yes / No Photos Yes / No Frames None



Imagery Date: 4/30/2004

Image U.S. Geological Survey

45°47'11.56" N 108°28'32.98" W elev 3099 ft

©2010 Google

Eye alt 6443 ft

DB/GIS

RIVER BANK OILING SUMMARY FORM for Silvertip Pipeline Incident

1 GENERAL INFORMATION		Date (dd/mm/yy) 29/07/11	Time (24h): std / daylight 1015 hrs to 1100 hrs	Water Level low - mean - <u>bankfull</u> - overbank falling - steady - rising
Segment/Reach ID: B <u>43</u> Left Bank / Right Bank / Island		Operations Division:		
Survey by: <u>Foot</u> / ATV / Boat / Helicopter / Overlook /		Sun / Clouds / Fog / Rain / Snow / Windy / Calm		Air Temp +/- <u>2.8</u> deg C

2 SURVEY TEAM # 1	Name	Organization	Signature
Pete Lee	<u>PBL</u>	Polaris	225.892.6459
Janice Witul		US EPA	415.816.6582
Mark Peterson	<u>M. Peterson</u>	MT DEQ	406.498.4835
Nathan Hammond	<u>NH</u>	Cardno Entrix	513.256.2479

3 SEGMENT Total Segment/Reach Length _____ m Segment/Reach Length Surveyed 475 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 X 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: _____

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

4C RIVER CHANNEL CHARACTER circle or select as appropriate

est. width: <1m 1-10m 10-100m >100m 30 m 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 10 bags or _____ trucks access restrictions Boat only

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	
A				X	<u>375</u>	30	<1			X	X		X									Grass, trees, debris
B				X	40	30	10			X	X		X									"
C				X	100	30	<1			X	X		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

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 height:

Treatment recommendations: very light

Zone A+C: no pits observed; no treatment required - recommended

Zone B: Cut & remove oil coated vegetation smaller than 1" diameter. Remove debris smaller than 4" diameter. Wipe larger oil coated vegetation.

Note: Camp/occupant at time of survey

*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)

Sketch Yes / No Photos Yes / No Frames 0259-0260 (Lee) Photographer _____

2336-2340 (Peterson)
P7290012 (Hammond)

DB/615

RIVER BANK OILING SUMMARY FORM for Silvertip Pipeline Incident

1 GENERAL INFORMATION		Date (dd/mm/yy) 29/07/11	Time (24h): std / daylight 11015 hrs to 1100 hrs	Water Level low - mean - bankfull - overbank falling - steady - rising
Segment/Reach ID: B <u>43</u> Left Bank / Right Bank / Island		Operations Division:		
Survey by: <u>Foot</u> / ATV / Boat / Helicopter / Overlook / _____		Sun / Clouds / Fog / Rain / Snow / Windy / Calm		Air Temp +/- <u>2.8</u> deg C

2 SURVEY TEAM # 1	Name	Organization	Signature
Pete Lee	<u>PBL</u>	Polaris	225.892.6459
Janice Witul	<u>JW</u>	US EPA	415.816.6582 <u>Janice Witul</u>
Mark Peterson	<u>MP</u>	MT DEQ	406.498.4835
Nathan Hammond	<u>NH</u>	Cardno Entrix	513.256.2479

3 SEGMENT Total Segment/Reach Length _____ m Segment/Reach Length Surveyed 475 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 X _____ 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: _____

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

4C RIVER CHANNEL CHARACTER circle or select as appropriate

est. width: <1m 1-10m 10-100m >100m 30 m 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 10 bags or _____ trucks access restrictions Boat only

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 ID	RIVER BANK ZONE				OIL COVER			OIL THICKNESS												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>1098</u> <u>1097</u> <u>1100</u> A				X	<u>375</u>	<u>30</u>	<u><1</u>				X	X	X									grass, trees, debris
B				X	<u>40</u>	<u>30</u>	<u>10</u>				X	X	X									" "
C				X	<u>100</u>	<u>30</u>	<u><1</u>				X	X	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									

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 height:

Treatment recommendations: very light

Zone A+C: no impact noted; no treatment required => recommended

Zone B: Cut & remove oil coated vegetation smaller than 1" diameter. Remove debris smaller than 4" diameter. Wipe larger oil coated vegetation.

Note: Camp/occupant at time of survey

*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)

Sketch Yes / No Photos Yes / No Frames 0259-0260 (Lee) Photographer _____
2336-2340 (Peterson)
P7290012 (Hammond)



IMG_2339.JPG
P7290012.JPG
IMG_2338.JPG
MG_0759.JPG
IMG_0259.JPG

B43

IMG_2337.JPG
IMG_2336.JPG

P7290011.JPG

Image © 2011 GeoEye

©2010 Google

Imagery Date: 7/31/2009

45° 47.172' N 108° 28.571' W elev 944 m

Eye alt 1.37 km



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

RESCAT DB/G

1 GENERAL INFORMATION		Date (dd/mm/yy) 07/09/2011	Time (24h): std / daylight 1050 hrs to 1515 hrs	Water Level low - mean - <u>bankfull</u> - overbank falling - steady - rising
Segment/Reach ID: <u>C4 B43</u> Left Bank / <u>Right Bank</u> / Island				
Operations Division: C				
Survey by: <u>Foot / ATV / Boat / Helicopter / Overlook /</u>		<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 Marty</i>
	Ernie McKenzie	US Bureau of Land Management	<i>Ernie McKenzie</i>
	Shawn Briggs	Montana FWP	

3 SEGMENT Total Segment/Reach Length _____ m Segment/Reach Length Surveyed _____ 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 p confined or leveed _____ Substrate Type: mud/sand/grvl

Sloped: >5°(15°)(30°) straight _____ 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 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:

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 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				X	310	120	<1		S	S	P						x					Plants, Debris
B				x	300	4	0													x		All

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

Land is primarily BLM ownership.

A - Stain, coat, and cover remaining on plants following treatment by the Hotshot Team. Oiling is at trace levels after treatment. Natural attenuation is recommended for this oiling.

B- No oil observed. No treatment is required.

Sketch Yes / No Photos Yes / No Frames None Photographer _____

B43
Team 2
7 Sept 2011



A = Very light < 1% stain
B = NoO

9/1/2011 10:23 am
9/1/2011 5:55 pm
9/1/2011



Charlene's



ZONE A - VERY LIGHT
NFT

B43-IS

Team 6
B43LB
9/1/11

© 2011 Europa Technologies
Image © 2011 GeoEye
© 2011 Google

B43-RB

45°47'11.33" N 108°28'43.83" W elev 3106 ft

009 1996

0210

DB

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>B43</u>	Left Bank / Right Bank (<u>Island</u>)	<u>05/09/11</u>	<u>1345</u> hrs to <u>1420</u> hrs	low (mean) bankfull - overbank
Operations Division: <u>B</u>				(falling - steady - rising)
Survey by: (<u>Foot</u>) ATV / Boat / Helicopter / Overlook /		(<u>Sun</u>) Clouds / Fog / Rain / Snow / Windy (<u>Calm</u>)		Air Temp +/- <u>25</u> deg C

2 SURVEY TEAM # <u>6</u>	Name	Organization	Signature
	<u>Nathan Hammond</u>	<u>Cardno Entrix</u>	<u>Nathan Hammond</u>
	<u>Austin West</u>	<u>USCG</u>	<u>Austin West</u>
	<u>Betsy Honda</u>	<u>DEQ</u>	<u>Betsy Honda</u>

3 SEGMENT Total Segment/Reach Length 44.3 m Segment/Reach Length Surveyed 44.3 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 X Pebble/Cobble _____ Boulder _____ Peat/Organic _____ Vegetated Bank: P Wooded Upland: _____

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: _____

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 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: Island

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
A		S	P		44.3	45	0														✓

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 - No - No Treatment Required

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

1 pm 9/5/2011 5:11 pm 6 pm

B43-LB

B43-IS

ZONE A
LN00

Team 6
B43 IS
9/5/11

Image © 2011 GeoEye
© 2011 Europa Technologies
© 2011 Google

©2010

009 1996

45°47'11.12" N 108°28'38.80" W elev 3104 ft



Appendix F

Completed SCAT Segment
Sign-Off Forms

SCAT SEGMENT OPERATIONS COMPLETION SIGN-OFF SHEET

SILVERTIP PIPELINE RELEASE

Segment B43RB Date of Survey 7 September 2011

Dates of Initial SCAT Assessments 19/7, 7/9/2011
(to be filled out by SCAT Data Management)

CTR(s) Associated with SCAT Segment CTR32

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 Ernie McKensie/BLM Date 10/11/11
Federal Representative (EPA/USCG)


Sign Name _____ Print Name/ Affiliation Shawn Briggs/Montana FWL and P Date 9/7/2011
State Representative (DEQ/FWP)


Sign Name _____ Print Name/ Affiliation Richard Marty/Polaris (for Exxon-Mobil) Date 7 Sept. 2011
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 B43 LB Date of Survey 9/1/11

Dates of Initial SCAT Assessments 05 JUL 11 (FL)
(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 *2/2*

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).

Austin West AUSTIN WEST USEG 9/1/11
Sign Name Print Name/ Affiliation Date
Federal Representative (EPA/USCG)

Jay Watson JAY WATSON FWP 9/1/11
Sign Name Print Name/ Affiliation Date
State Representative (DEQ/FWP)

Nathan Hammond NATHAN HAMMOND/CAEDNO EOTRX 9/1/11
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.

SCAT SEGMENT OPERATIONS COMPLETION SIGN-OFF SHEET

SILVERTIP PIPELINE RELEASE

Segment B43 IS Date of Survey 9/5/11

Dates of Initial SCAT Assessments 29 JUL 11 IC
(to be filled out by SCAT Data Management)

CTR(s) Associated with SCAT Segment 35

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).

Austin West AUSTIN WEST USEG 9/5/11
Sign Name Print Name/Affiliation Date
Federal Representative (EPA/USCG)

Betsy Hovda Betsy Hovda DEQ 9/5/11
Sign Name Print Name/Affiliation Date
State Representative (DEQ/FWP)

Nathan Hammond Nathan Hammond/Carolina Entry 9/5/11
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.