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ExxonMobil Pipeline Company

SCAT Area Transition Report for C36

Silvertip Pipeline Incident
Laurel, Montana

October 23, 2011

SCAT Area Transition Report for C36

Silvertip Pipeline Incident
Laurel, Montana

Prepared for:
ExxonMobil Pipeline Company

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Our Ref.:
B0085883.1103

Date:
October 23, 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.

ARCADIS

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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 C36, 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 C36. 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 C36, 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 C36 is 75.2. There were no access issues for this area.

1.2 Cultural, Historic, and Natural Resource Constraints

No historic properties or cultural resources were observed or recorded due to limited inspections of Area C36 because of the low level of oiling in Division C.

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 C36 due to the low level of oiling in Division C. No oiled wildlife was observed or recovered. No Wildlife Priority Cleanup Areas were identified. No active migratory bird nests were identified in Area C36.

1.3 Summary of Environmental Sampling

Table 1 (below) summarizes samples collected within Area C36. 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 C36 are provided on Figure 3.

Table 1 Environmental Sampling Summary

Agency	Sample Num	Date	Matrix	Location	Latitude	Longitude
MDEQ	B11070821-028	7/11/2011	Soil_Surface	ST-JG-01	45.975450	-108.235950
MDEQ	B11070821-028	7/16/2011	Soil_Surface	ST-JG-01	45.975450	-108.235950
MDEQ	B11070821-029	7/11/2011	Soil_Surface	ST-JG-01	45.975450	-108.235950
MDEQ	B11070821-029	7/16/2011	Soil_Surface	ST-JG-01	45.975450	-108.235950
MDEQ	B11070821-030	7/11/2011	Soil_Surface	ST-JG-01	45.975450	-108.235950
MDEQ	B11070821-030	7/16/2011	Soil_Surface	ST-JG-01	45.975450	-108.235950
MDEQ	B11070821-051	7/12/2011	Soil_Surface	ST-FI-01	45.974680	-108.244830
MDEQ	B11070821-052	7/12/2011	Soil_Surface	ST-FI-01	45.974680	-108.244830
MDEQ	ST-071511-JG2	7/15/2011	Livestock Well	ST-JG-04	45.971410	-108.236510
MDEQ	ST-071711-JG1	7/11/2011	Soil_Surface	ST-JG-01	45.975450	-108.235950
MDEQ	ST-071711-JG1	7/16/2011	Soil_Surface	ST-JG-01	45.975450	-108.235950
MDEQ	ST-071711-JG2	7/16/2011	Soil_Surface	ST-JG-02	45.976020	-108.235290

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 exceedances.

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 C36 are included in Appendix B. Figure 4 provides the maximum oiling zones observed by the SCAT team during the initial surveys of Area C36.

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. 51 and CTR No. 60).

1.6 Oil Removal Activities

Oil removal activities were conducted within Area C36 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 C36 following completion of oil removal activities. The SCAT team performed final surveys of the left bank within SCAT Area C36 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 initial SCAT surveys performed on the island, no treatment was recommended for this segment. Based on the initial SCAT surveys of the right bank within Area C36, light and very light oiling zones were observed and ATM No. 5 and ATM No. 1 were recommended, respectively. These oiling zones are on private property and will not be treated due to the claims process.

Based on the final SCAT surveys performed on the left bank within Area C36, no further treatment is recommended for this segment. SCAT Segment Sign-Off Forms are included as Appendix F.

2. Transition Sign-Off Form

SCAT Area Transition Report for C36

Prepared for:

Unified Command

_____

Date

_____

Unified Command – RP

SCAT Area Transition Report for C36

Prepared for:

Unified Command

_____

Date

_____

Unified Command – FOSC

SCAT Area Transition Report for C36

Prepared for:

Unified Command

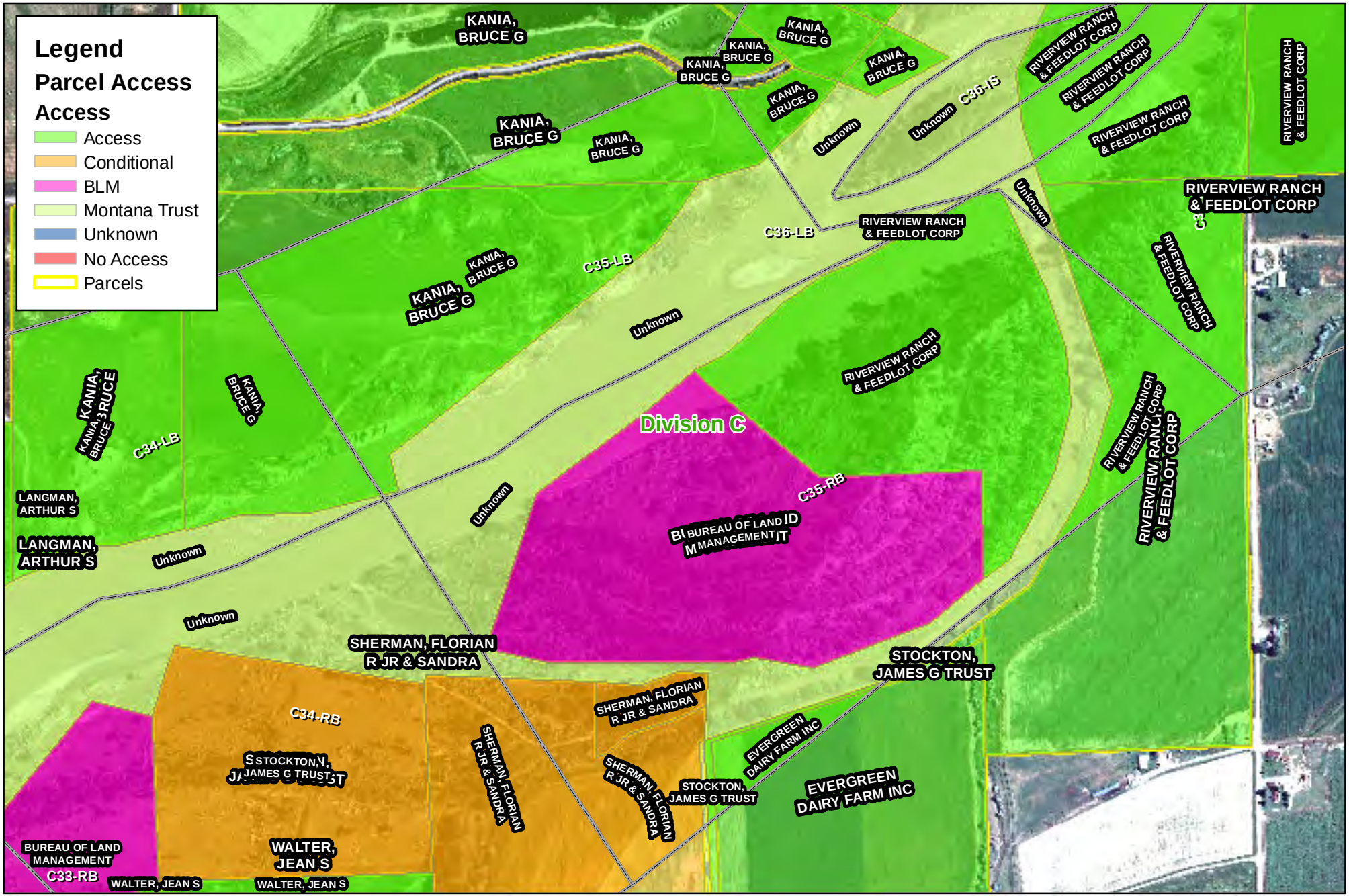
Date

Unified Command – MDEQ

Silvertip Pipeline Incident
Area Transition Report Map - Parcels
Segment - C35

9/27/2011

1:7,500



0 750 1,500 3,000 Feet

Figure 1

Date: 9/27/2011 Time: 5:20:40 PM

Path: P:\GIS\MXD's\Area_Transition_Figures\A1-Fig1-Parcels.mxd

ExxonMobil Pipeline

N

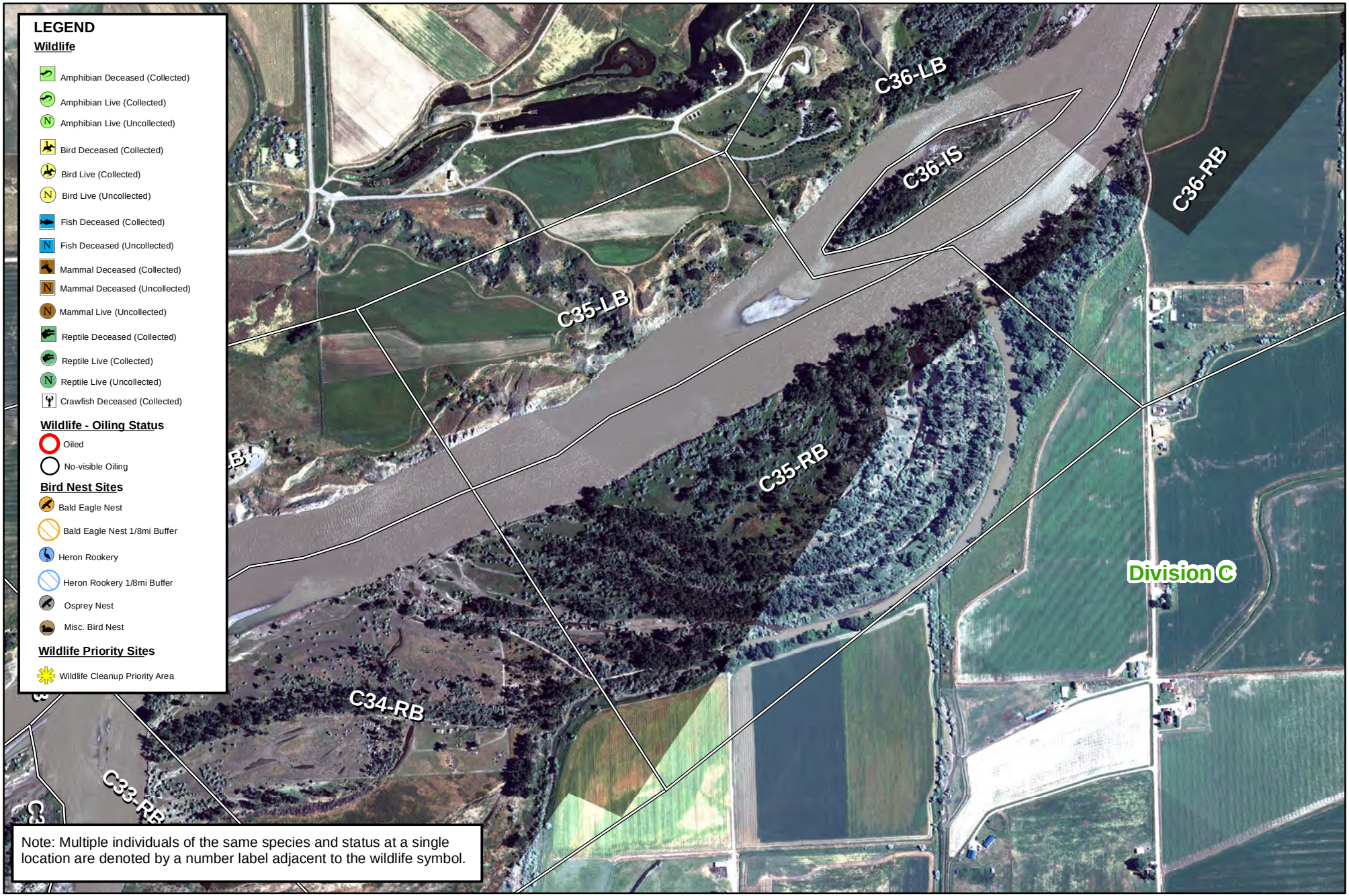
1:9,600

Silvertip Pipeline Incident
SCAT Area Transition Report Map
Area - C35

9/26/2011

The Response Group

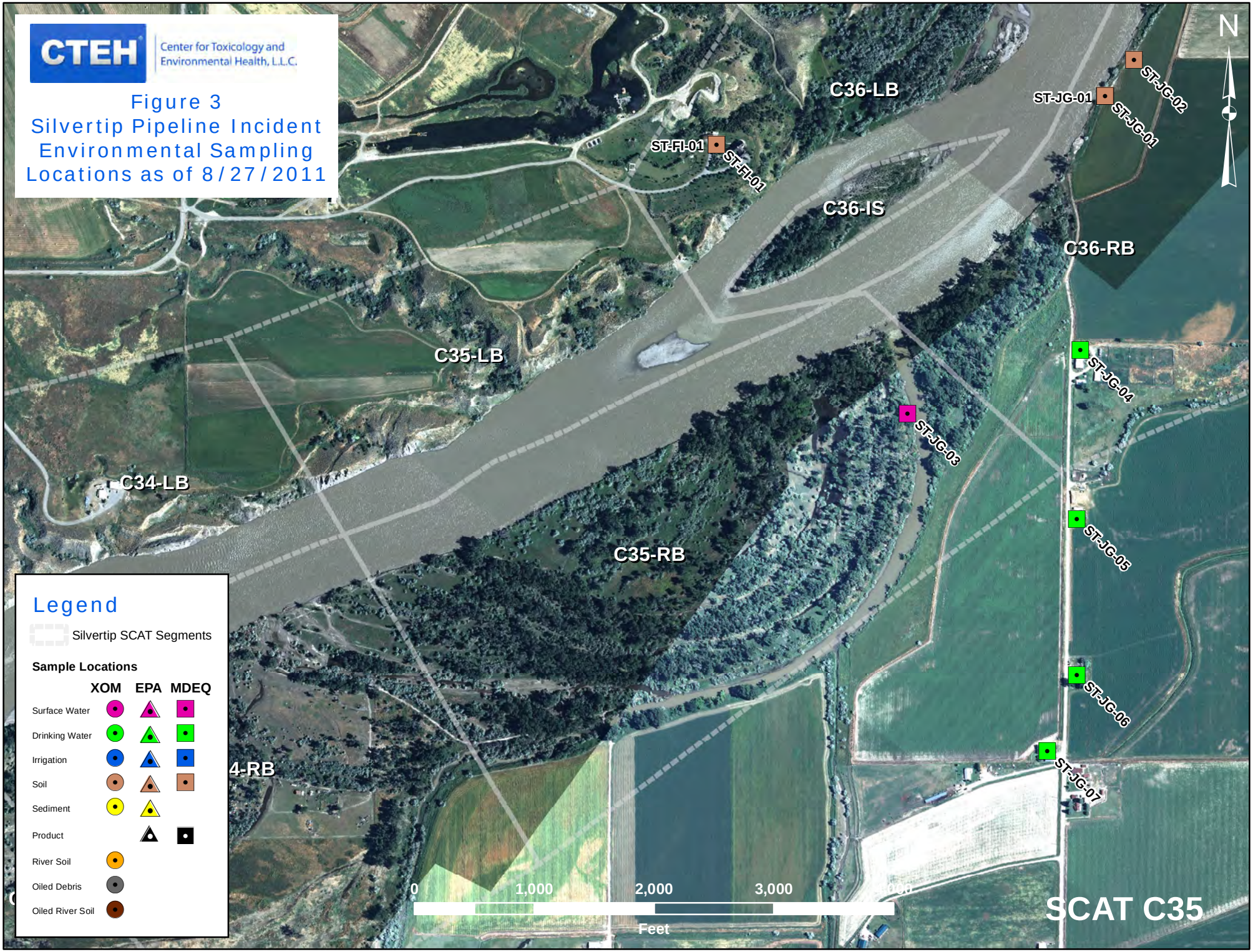
Path: P:\GIS\MXD's\Wildlife\ATR Maps - Figure 2\ATR Map_Div.C_Fig2_09262011.mxd



0 1,000 2,000 4,000 Feet

Figure 2
Wildlife Resources

Date: 9/26/2011 Time: 4:49:54 PM


CTEH
Center for Toxicology and Environmental Health, L.L.C.
Figure 3
Silvertip Pipeline Incident
Environmental Sampling
Locations as of 8/27/2011
N
C36-LB
C36-IS
C36-RB
C35-LB
C35-RB
C34-LB
4-RB
ST-FI-01
ST-FI-01
ST-JG-01
ST-JG-01
ST-JG-02
ST-JG-03
ST-JG-04
ST-JG-05
ST-JG-06
ST-JG-07
Legend
Silvertip SCAT Segments
Sample Locations
XOM EPA MDEQ
Surface Water
Drinking Water
Irrigation
Soil
Sediment
Product
River Soil
Oiled Debris
Oiled River Soil
0
1,000
2,000
3,000
Feet
SCAT C35

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

460 0 460 920 Feet

Figure 4 - Maximum SCAT Observations For SCAT Area: C35

POLARIS APPLIED SCIENCES, INC.

Aerial Photography Dated July 20, 2011

O:\GIS\SCAT Mapping\Maps\Area Transition Reports MXD\ATR Fig 4 - Max_SCAT_Observations_DataPages.mxd

Printed: 10/4/2011 11:24:14 AM

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

460 0 460 920 Feet

Figure 5 - Final SCAT Observations For SCAT Area: C35

POLARIS APPLIED SCIENCES, INC.

Aerial Photography Dated July 20, 2011

O:\GIS\SCAT Mapping\Maps\Area Transition Reports MXD\ATR Fig 5 - Final_SCAT_Observations_DataPages.mxd

Printed: 10/4/2011 11:28:52 AM

Appendix A

Sample Detection Summary

Detections in Samples Collected in SCAT Area C35

NA - Not Available

Detected Above Screening Level

Sample Num	Date	Sample Type	Matrix	Analytical Method	Analyte	Detected	Result	Screening Level	Result Qualifier	Units	Above?
ST-071511-JG1		Field	Water_Surface	8260B	1,2-Dichloroethane-d4	Y	91	NA		%	no
ST-071511-JG1		Field	Water_Surface	8260B	Dibromofluoromethane	Y	101	NA		%	no
ST-071511-JG1		Field	Water_Surface	8260B	Ethylbenzene	Y	0.24	530	J	ug/l	no
ST-071511-JG1		Field	Water_Surface	8260B	Methyl ethyl ketone	Y	5.3	7100	J	ug/l	no
ST-071511-JG1		Field	Water_Surface	8260B	p-Bromofluorobenzene	Y	86	NA		%	no
ST-071511-JG1		Field	Water_Surface	8260B	Styrene	Y	0.27	100	J	ug/l	no
ST-071511-JG1		Field	Water_Surface	8260B	Toluene	Y	126	1000		ug/l	no
ST-071511-JG1		Field	Water_Surface	8260B	Toluene-d8	Y	104	NA		%	no
ST-071511-JG3		Field	Water_Drinking	8260B	1,2-Dichloroethane-d4	Y	92	NA		%	no
ST-071511-JG3		Field	Water_Drinking	8260B	Dibromofluoromethane	Y	100	NA		%	no
ST-071511-JG3		Field	Water_Drinking	8260B	p-Bromofluorobenzene	Y	88	NA		%	no
ST-071511-JG3		Field	Water_Drinking	8260B	Toluene-d8	Y	101	NA		%	no
ST-071511-JG4		Field	Water_Drinking	8260B	1,2-Dichloroethane-d4	Y	92	NA		%	no
ST-071511-JG4		Field	Water_Drinking	8260B	Dibromofluoromethane	Y	100	NA		%	no
ST-071511-JG4		Field	Water_Drinking	8260B	p-Bromofluorobenzene	Y	89	NA		%	no
ST-071511-JG4		Field	Water_Drinking	8260B	Toluene-d8	Y	103	NA		%	no
ST-071511-JG5		Field	Water_Drinking	8260B	1,2-Dichloroethane-d4	Y	91	NA		%	no
ST-071511-JG5		Field	Water_Drinking	8260B	Dibromofluoromethane	Y	101	NA		%	no
ST-071511-JG5		Field	Water_Drinking	8260B	p-Bromofluorobenzene	Y	87	NA		%	no
ST-071511-JG5		Field	Water_Drinking	8260B	Toluene-d8	Y	103	NA		%	no

Appendix B

Initial SCAT Survey Forms and Sketches

DB/G/S

RIVER BANK OILING SUMMARY FORM for Silvertip Pipeline Incident Page 1 of 1

1 GENERAL INFORMATION	Date (dd/mm/yy)	Time (24h): std / daylight	Water Level
Segment/Reach ID: C 35 Left Bank / Right Bank / Island	26/07/11	1230 hrs to 1232 hrs	low - mean - bankfull - overbank
Operations Division:			(falling) - steady – rising
Survey by: Foot / ATV / Boat / Helicopter / Overlook / _____	Sun / Clouds / Fog / Rain / Snow / Windy / Calm		Air Temp + / - 28 deg C

2 SURVEY TEAM # 1	Name	Organization	Signature
Pete Lee	PBL	Polaris	225.892.6459
John Beach	JFB	US EPA	415.972.3347
Larry Alheim		MT DEQ	406.461.7516

3 SEGMENT Total Segment/Reach Length _____ m Segment/Reach Length Surveyed 767 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 P Shelf ____ | Manmade: Solid ___ Permeable ___ (type) ____ | Wetland: Swamp ____ Bog/Fen ____ Marsh ____

Sediment Bank: Clay/Mud ____ Sand ____ Mixed ____ Pebble/Cobble ____ Boulder ____ Peat/Organic ____ | Vegetated Bank: ____ | 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: XP Est Height 20 m | canyon X manmade ____ meander ____ confined or leveed ____ | Substrate Type: _____

Sloped: ___ (>5°)(15°)(30°) | straight X braided ____ 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 ~~>100m~~ 140m | 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 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					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	
824 A		X			270	1														X	Cliff
825 B		X			10	1	100			X	X		X								Cliff, trees
826 C		X			426	1														X	Cliff, trees
827 D		X			20	1	100			X	X		X								"
828 E		X			42	1														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	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	Yes / 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:: 60 cm

Treatment recommendations:

Zone A, C, E: No oil observed; no treatment required.

Zone 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)

Sketch Yes No Photos Yes / No Frames 0049 Photographer Beach

B is 10m to WP

D is 20m between WPs

DB/E

RIVER BANK OILING SUMMARY FORM for Silvertip Pipeline Incident Page 1 of 1

1 GENERAL INFORMATION	Date (dd/mm/yy)	Time (24h): std / daylight	Water Level
Segment/Reach ID: C35 (Left Bank / Right Bank / Island)	04/08/11	1100 hrs to 1335 hrs	low - mean - bankfull - (overbank)
Operations Division: C			falling - steady – rising
Survey by: (Foot) / ATV / Boat / Helicopter / Overlook / _____	Sun / Clouds / Fog / Rain / Snow / Windy / Calm		Air Temp + / - ___ deg C

2 SURVEY TEAM # 6	Name	Organization	Signature
	Brandon Owens	Cardno ENTRIX	
	Courtney Tyree	Montana FWP	
	Dominic Ventura	EPA	

3 SEGMENT Total Segment/Reach Length 1358 m Segment/Reach Length Surveyed 1358 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 X Shelf ____ | Manmade: Solid ___ Permeable ___ (type) ____ | Wetland: Swamp ____ Bog/Fen ____ Marsh ____

Sediment Bank: Clay/Mud ____ Sand ____ Mixed X Pebble/Cobble ____ Boulder ____ Peat/Organic ____ | Vegetated Bank: (X) | 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 ____ 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) 160m | 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 1 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			1358	3	~1%				X						X				

1187

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	Yes / 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

ZONE A: ~1% oily, trace stain

Recommend: Natural Attenuation

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

ExxonMobil Pipeline

N

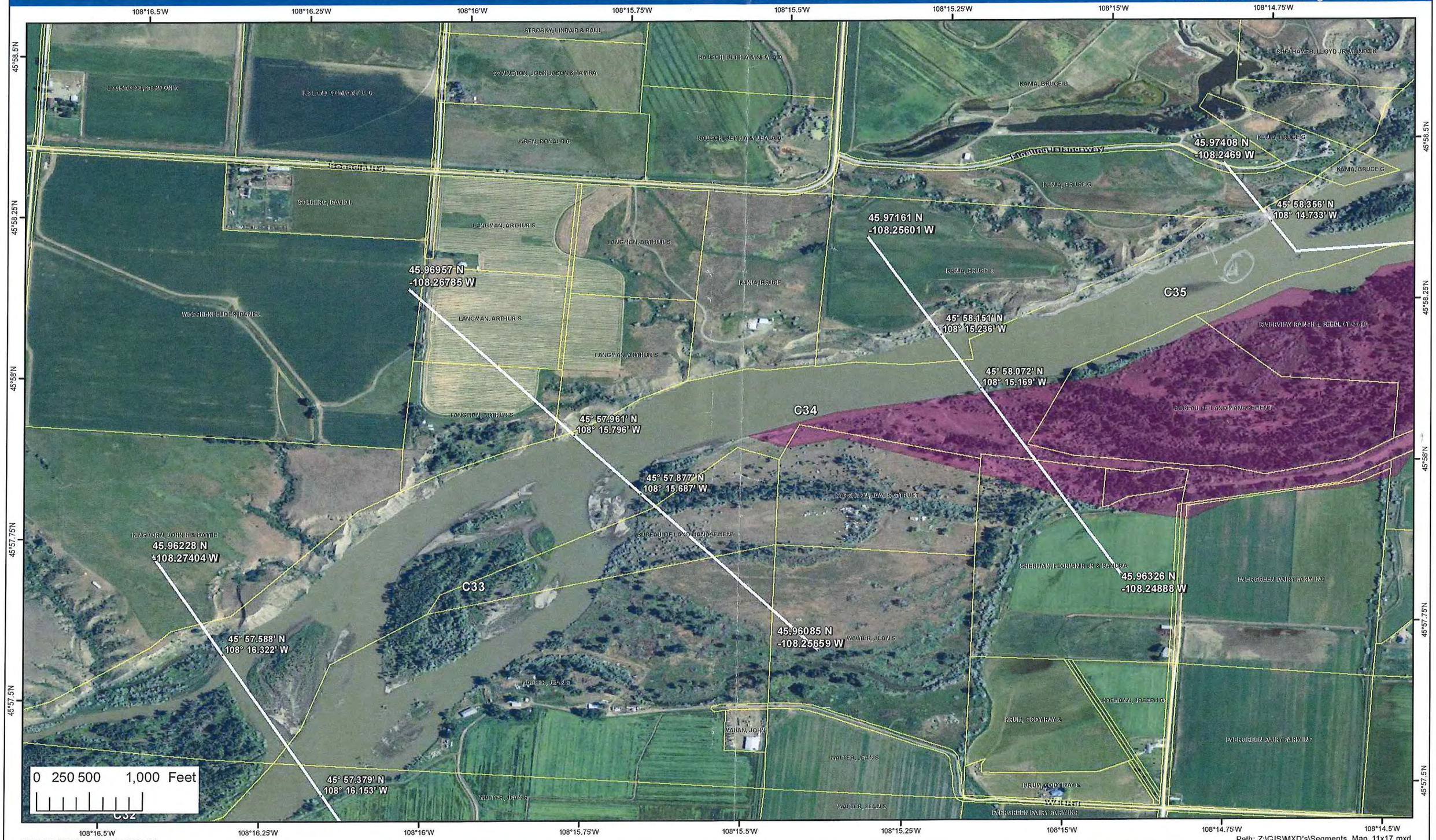
SILVERTIP PIPELINE INCIDENT
Yellowstone River
Map 44

A- True -1%

A35 L
Team #6
04/03/11

The Response Group
Emergency Response Pre-Planning & Support

*Data Current through 7/30/2011



Date: 7/31/2011 Time: 11:50:52 AM

Path: Z:\GIS\MXD's\Segments_Map_11x17.mxd

DB/G

RIVER BANK OILING SUMMARY FORM for Silvertip Pipeline Incident Page 1 of 1

1 GENERAL INFORMATION	Date (dd/mm/yy)	Time (24h): std / daylight	Water Level
Segment/Reach ID: C35 Left Bank / **Right Bank** / Island	08/03/2011		low - mean - **bankfull** - overbank
Operations Division:		0840 hrs to 0845 hrs	falling - steady – rising
Survey by: **Foot** / ATV / Boat / Helicopter / Overlook / _____	**Sun** / Clouds / Fog / Rain / Snow / Windy / Calm		Air Temp + / - 8 5 deg C

2 SURVEY TEAM # 4	Name	Organization	Signature
	Bruce Kvam	Polaris	
	Chris Arredondo	CardnoEntrix	
	Travis Cain	EPA	
	John Brown	DEQ	

3 SEGMENT Total Segment/Reach Length 1028 m Segment/Reach Length Surveyed 48 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 P___ Sand S___ Mixed_____ Pebble/Cobble_____ Boulder_____ Peat/Organic_____ | Vegetated Bank: S___ | Wooded Upland: P___

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: Clay/Mud

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 1–10 m **10–100 m** >100m 160m | 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 0 bags or 0 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)
					Length	Width	Distrib.														
	MS	LB	UB	OB	m	m	%	TO	CV	CT	ST	FL	FR	MS	TB	PT	TC	SR	AP	NO	
1155 A				x	48	137														x	Clay/Mud

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

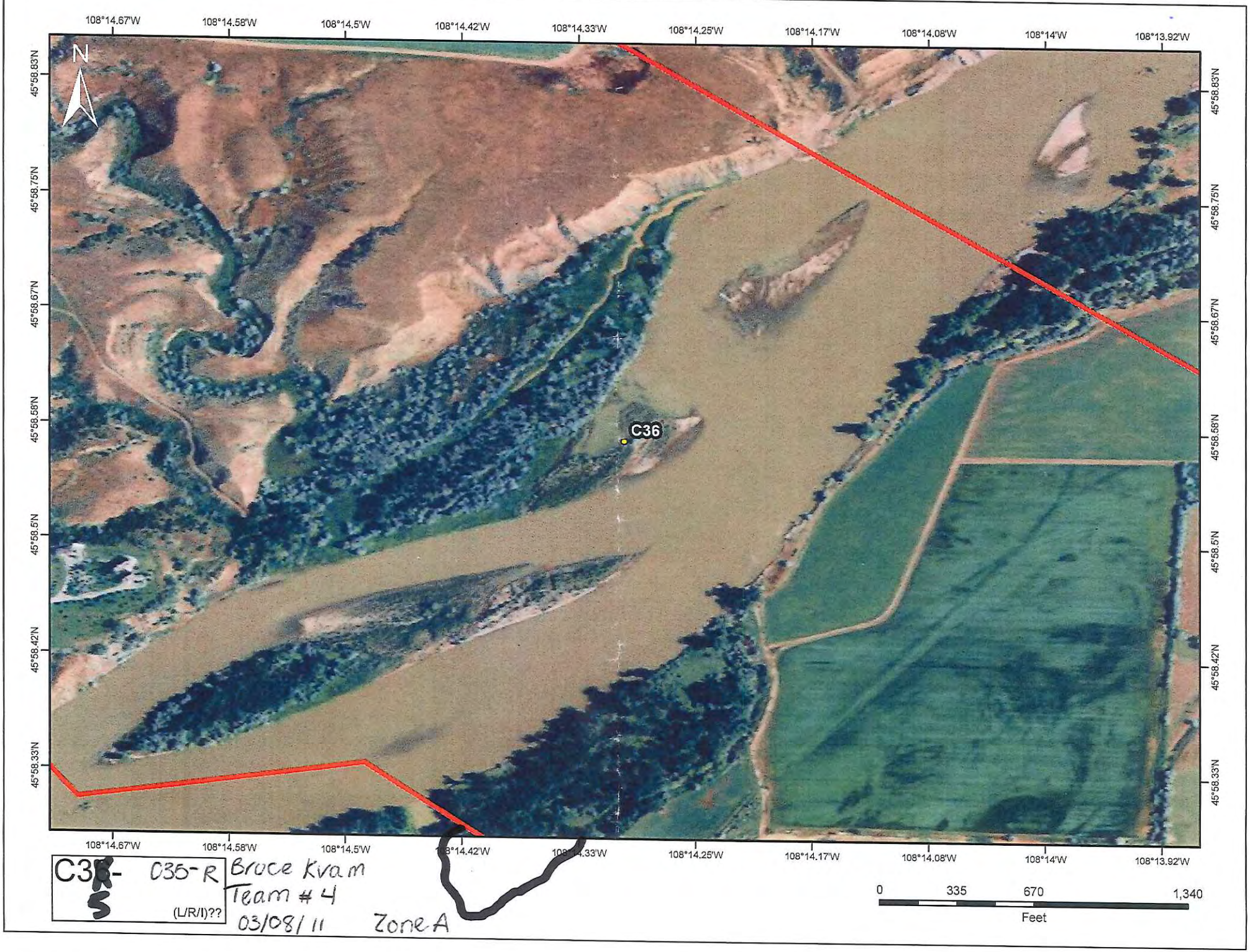
TRENCH or PIT NO.	RIVER BANK ZONE				MAX. PIT DEPTH	OILED ZONE	SUBSURFACE OIL CHARACTER							WATER TABLE	SHEEN COLOUR	CLEAN BELOW	SUBST. TYPE(S)
	MS	LB	UB	OB	cm	cm-cm	SAP	OP	PP	OR	OF	TR	NO	cm	B, R, S, N	Yes / No	

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

Zone A: No treatment required.

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



C35-S 035-R (L/R/I)??

Bruce Kvam
Team #4
03/08/11 Zone A

DB16/5

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: C 35 Left Bank / Right Bank / Island	28/07/11	0955 hrs to 1050 hrs	low - mean - bankfull - overbank
Operations Division:			falling - steady – rising
Survey by: Foot / ATV / Boat / Helicopter / Overlook / _____		Sun / Clouds / Fog / Rain / Snow / Windy / Calm	Air Temp + / - 27 deg C

2 SURVEY TEAM # 3	Name	Organization	Signature
	John Bauer	Polaris	
	Micheal Dirks	Entrix	
	Patrick Kriske	USCG	
	Aaron Anderson	Mt. DEQ	
	Jerimiah Wood	Mt. FWP	

3 SEGMENT Total Segment/Reach Length ~~900~~ 1030 m Segment/Reach Length Surveyed ~~830~~ 1030 m

Start GPS: LATITUDE 45 deg. 57.957 min. LONGITUDE 108 deg. 15.060 min. Datum: WGS 84 End

GPS: LATITUDE 45 deg. 58.292 min. LONGITUDE 108 deg. 14.459 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: S | Wooded Upland: P

Sediment Flat: Clay/Mud_____ Sand_____ Mixed/Coarse X | 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: MUD / SILT

Sloped: ___ (>5°)(15°)(30°) | straight X braided X oxbow____ flood plain valley____ | Forested / Vegetated Y Bare

4C RIVER CHANNEL CHARACTER circle or select as appropriate

est. width : < 1m 1–10 m 10–100 m (>100m) 160m | 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 50 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 MS	LB	UB	OB	OIL COVER Length m	Width m	Distrib. %	OIL THICKNESS TO	CV	CT	ST	FL	OIL CHARACTER FR	MS	TB	PT	TC	SR	AP	NO	SUBST. TYPE(S)
1056 A				X	250	150	<1		X	(X)	X		X				(X)				Veg Debris
1057 B				X	350	300														X	
1058 C				X	400	100	<1		X	(X)	X		X				(X)				Veg 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 MS	LB	UB	OB	MAX. PIT DEPTH cm	OILED ZONE cm-cm	SUBSURFACE OIL CHARACTER SAP	OP	PP	OR	OF	TR	NO	WATER TABLE cm	SHEEN COLOUR B, R, S, N	CLEAN BELOW Yes / No	SUBST. TYPE(S)

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: 0 - 30 cm

Treatment Recommendations:

Zone : A, C: Cut and remove oiled grass. Removed oiled debris concentrated in dry stream channels with debris piles

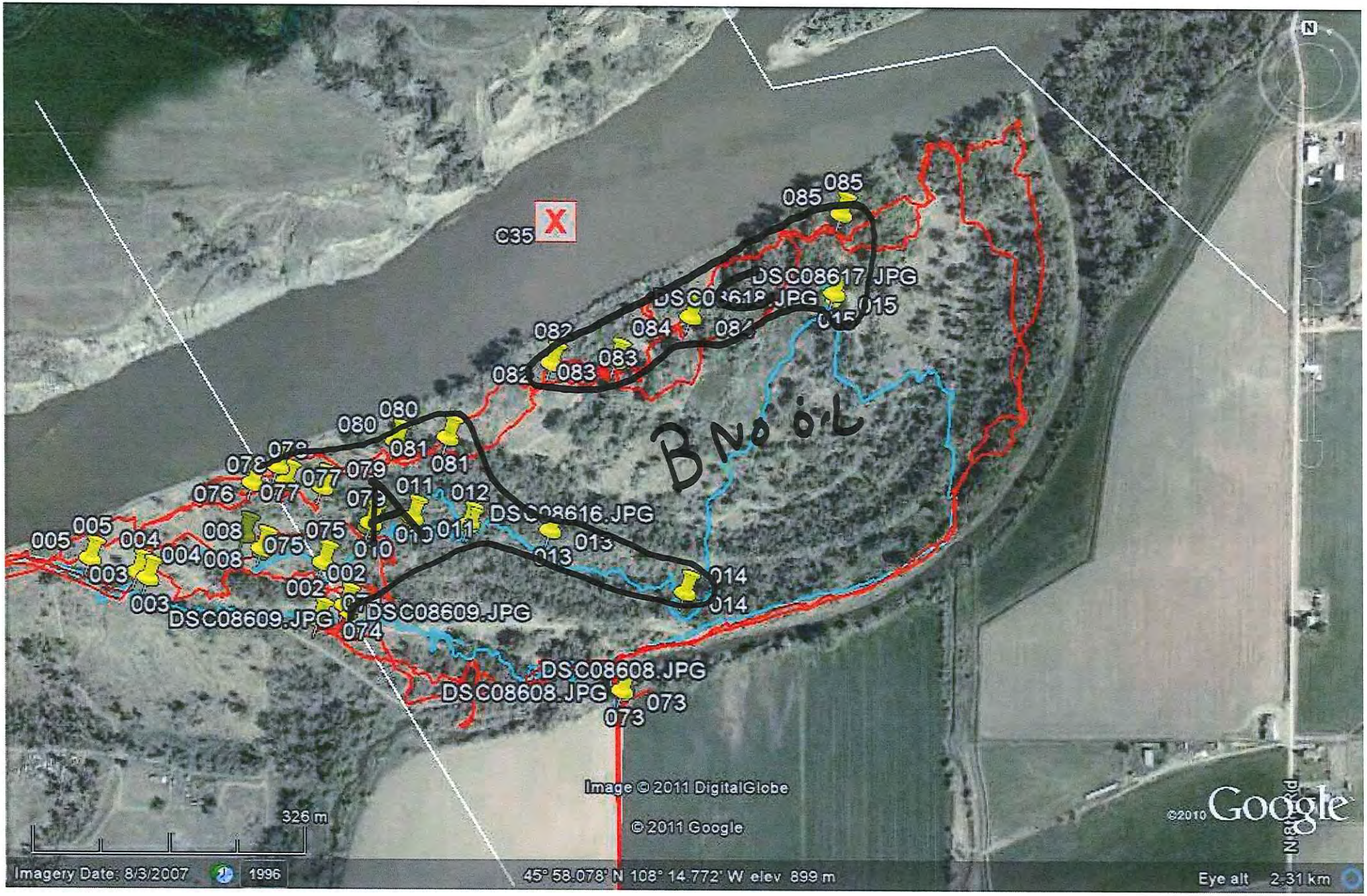
Zone B- No oil observed.

~~Zone C~~

Refer to current approved treatment methods#1 (Cutting of vegetation, #2 (Dead Vegetation and Small Debris), #3 (Large Woody Debris), #6

Sketch Yes / No Photos Yes / No Frames_____ Photographer_____

C 35 R Jul 28, 2011 Team 3.



ARCADIS

Appendix C

Pre-Inspection Survey Transmittal

ARCADIS

A Pre-Inspection Survey was not conducted for this area

ARCADIS

Appendix D

Post-Inspection Survey Transmittal

ARCADIS

A Post-Inspection Survey was not conducted for this area

ARCADIS

Appendix E

Final SCAT Survey Forms and Sketches

DB / G

RIVER BANK OILING SUMMARY FORM for Silvertip Pipeline Incident Page 1 of 3

1 GENERAL INFORMATION	Date (dd/mm/yy)	Time (24h): std / daylight	Water Level
Segment/Reach ID: C 36 (Left Bank) / Right Bank / Island	08/09/11	12:00 hrs to 12:30 hrs	low - MEAN - bankfull - overbank
Operations Division:			falling - STEADY - rising
Survey by: (Foot) / ATV / Boat / Helicopter / Overlook / _____	(Sun) / Clouds / Fog / Rain / Snow / Windy / Calm		Air Temp + / - 26 deg C

2 SURVEY TEAM # 3	name	organization	contact phone number
	Tom Freeman	Polaris App. Sciences	
	Jeffrey Herrick	MT DEQ	
	Griff Miller	USEPA	

3 SEGMENT Total Segment/Reach Length _____ m Segment/Reach Length Surveyed 25 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 X___ Mixed (X)___ Pebble/Cobble (X)___ Boulder_____ Peat/Organic_____ | Vegetated Bank: Yes | 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: MIXED

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 1–10 m 10–100 m >100m _____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:

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		25	1	~~100~~ 50				X						8				Veg/~~Oiled~~

2011

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	Yes / No	

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

ZONE A: Highly Weathered stain on narrow band of grass on steep slope.

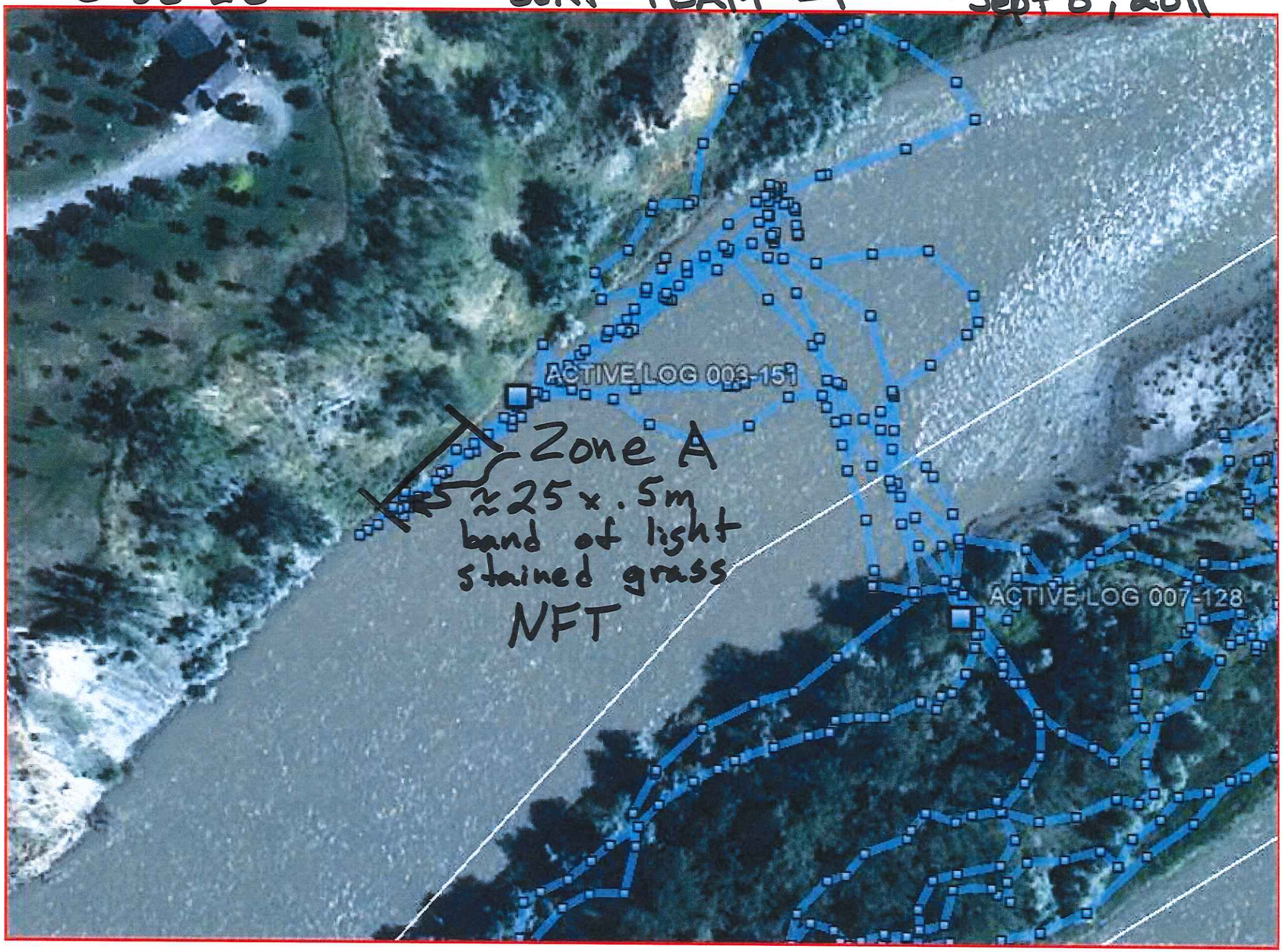
Zone A = NFT

* Note this Completes C-36 LB NFT all.

(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#_____)

C-36 LB SCAT TEAM #1 Sept 8, 2011



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: C36 Left Bank / Right Bank / Island	20/09/11	1330 hrs to 1430 hrs	low / mean - bankfull - overbank
Operations Division: C			falling - steady – rising
Survey by: Foot / ATV / Boat / Helicopter / Overlook / _____		Sun / Clouds / Fog / Rain / Snow / Windy / Calm	Air Temp + / - 20 deg C

2 SURVEY TEAM # 1	Name	Organization	Signature
	Todd Farrar	Polaris	
	Mark Ewanic	DEA	

3 SEGMENT Total Segment/Reach Length 556 m Segment/Reach Length Surveyed 556 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 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 ____ confined or leveed _____ | Substrate Type: 301+

Sloped: ___ (>5°)(15°)(30°) | straight____ braided P 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 | 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 1 bags or _____ trucks | access restrictions BOAT Access 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					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	556	160	<1			S	P						P				WU

2354

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

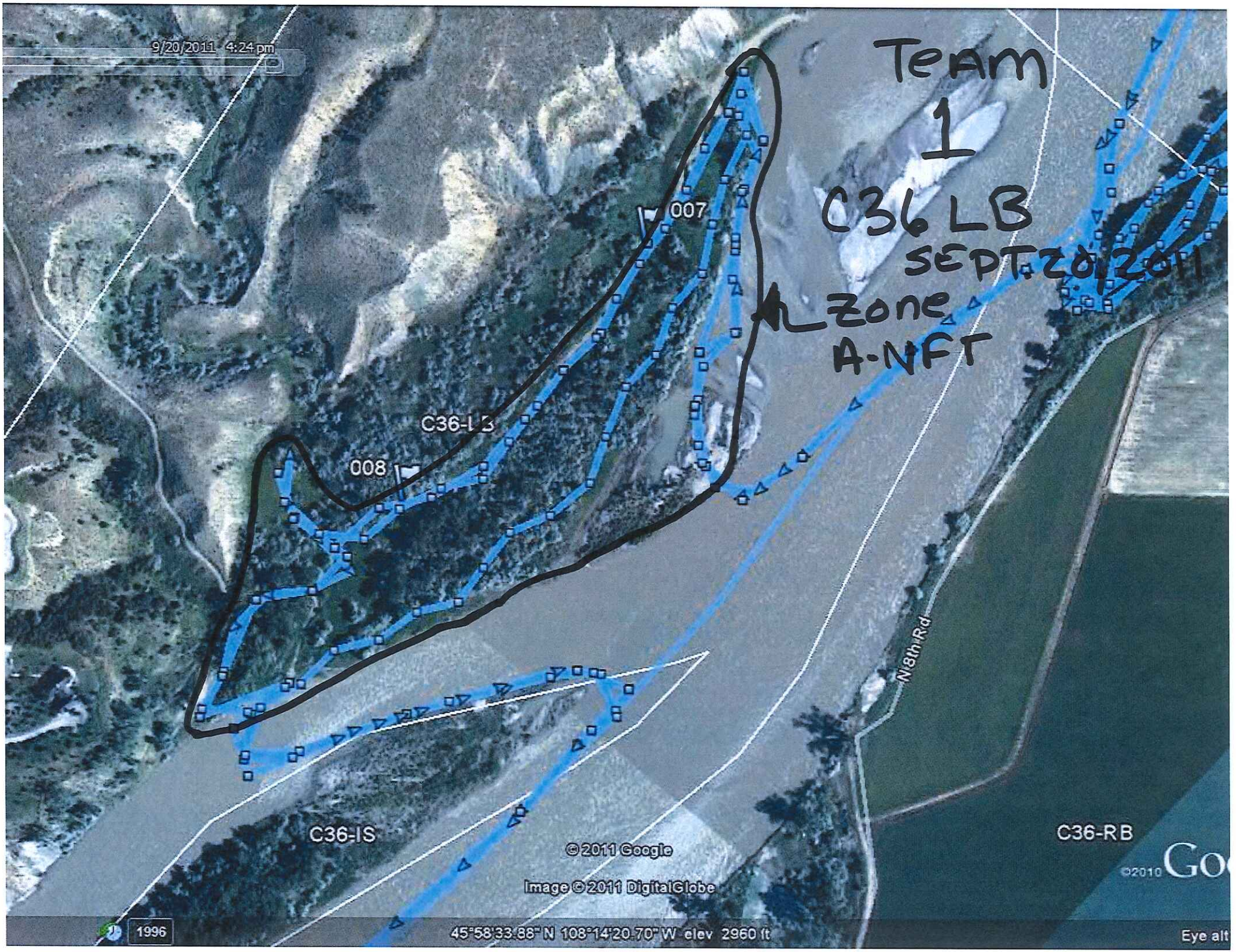
TRENCH or PIT NO.	RIVER BANK ZONE				MAX. PIT DEPTH	OILED ZONE	SUBSURFACE OIL CHARACTER							WATER TABLE	SHEEN COLOUR	CLEAN BELOW	SUBST. TYPE(S)
	MS	LB	UB	OB	cm	cm-cm	SAP	OP	PP	OR	OF	TR	NO	cm	B, R, S, N	Yes / No	

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

Sporadic Staining with occasional oiled debris in piles. We had a hot shot team that removed or treated oiled material. No further Treatment (NFT).

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


9/20/2011 4:24 pm
Team
1
C36 LB
SEPT 20 2011
Zone
A-NFT
007
008
C36-LB
C36-IS
C36-RB
N 8th Rd
©2011 Google
Image ©2011 DigitalGlobe
©2010 Go
1996
45°58'33.86" N 108°14'20.70" W elev 2960 ft
Eye alt

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: C36 (Left Bank) / Right Bank / Island	22/09/11	1230 hrs to 1430 hrs	(low) mean - bankfull - overbank
Operations Division: C			falling - steady – rising
Survey by: (Foot) / ATV / (Boat) / Helicopter / Overlook / _____	(Sun) Clouds / Fog / Rain / Snow / Windy / Calm		Air Temp + / - 32 deg C

2 SURVEY TEAM # 1	Name	Organization	Signature
	Todd Farrar	Polaris	
	Sheila McAtee	DNRC	

3 SEGMENT Total Segment/Reach Length 700 m Segment/Reach Length Surveyed 700 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 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 ___ confined or leveed _____ | Substrate Type: Silt

Sloped: ___ (>5°)(15°)(30°) | straight_____ braided P 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) 160m

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 Tall cliffs - Boat Access 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					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	700	95														X	

2368

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	Yes / 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

No oiling observed - NOO

This survey completes the segment.

Sketch Yes / No Photos Yes / No Frames_____ Photographer_____

9/22/2011 4:07 pm
C37-LB
C37-RB
W L Rd
Zone A
C36-LB
N 8th Rd
Team 1
Sept. 22, 2011
C36-LB
C36-IS
C36-RB
Image © 2011 DigitalGlobe
© 2011 Google
©2010 Goo
e: 8/3/2007
1996
45°58'36.51" N 108°14'10.82" W elev 2955 ft
Eye alt

Appendix F

Completed SCAT Segment Sign-Off Forms

SCAT Segment Operations Completion Sign-Off Sheet

Silvertip Pipeline Release

Segment C 36 LB Date of Survey Sept 8, 2011

Dates of Initial SCAT Assessments 26JUL11 (IV)
(to be filled out by SCAT Data Management)

CTR(s) Associated with SCAT Segment CTR 60

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

Segment Assessment Complete[1] ☒

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	Date
	Griff Miller / EPA	9-8-11

Federal Representative (EPA/USCG)

Sign Name	Print Name/ Affiliation	Date
Frank Herrick	Jeff Frank Herrick MT DEQ	08 Sept. 2011

State Representative (DEQ/FWP)

Sign Name	Print Name/ Affiliation	Date
Tom Freeman	Tom Freeman / Polaris	Sept 8, 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 C36 LB

Date of Survey Sept. 20, 2011

Dates of Initial SCAT Assessments 19 Jul 2011 GS
(to be filled out by SCAT Data Management)

CTR(s) Associated with SCAT Segment 51

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

Segment Assessment Complete[1] ☐

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	Date
	No Federal Rep Present	

Federal Representative (EPA/USCG)

Sign Name	Print Name/ Affiliation	Date
Mark Ensminger	MARK ENSMINGER / DEQ	9/21/11

State Representative (DEQ/FWP)

Sign Name	Print Name/ Affiliation	Date
Todd Farrar	Todd Farrar / Polaris	9/20/11

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 C36-LB

Date of Survey Sept. 22, 2011

Dates of Initial SCAT Assessments 26 Jul 2011 (JV)
(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 Complete[1] ☒

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	Date
	No Federal Rep Present	

Federal Representative (EPA/USCG)

Sign Name	Print Name/ Affiliation	Date
Sheila McAtee	Sheila McAtee / DNRC	9/23/11

State Representative (DEQ/FWP)

Sign Name	Print Name/ Affiliation	Date
Todd Farver	Todd Farver / Polaris	9/22/11

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.