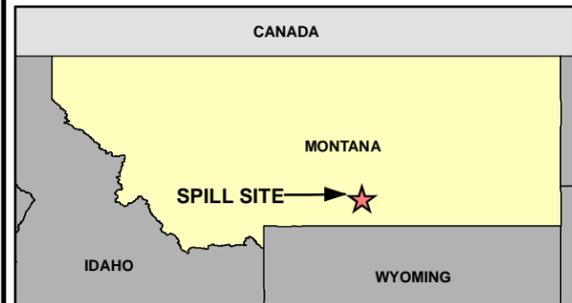
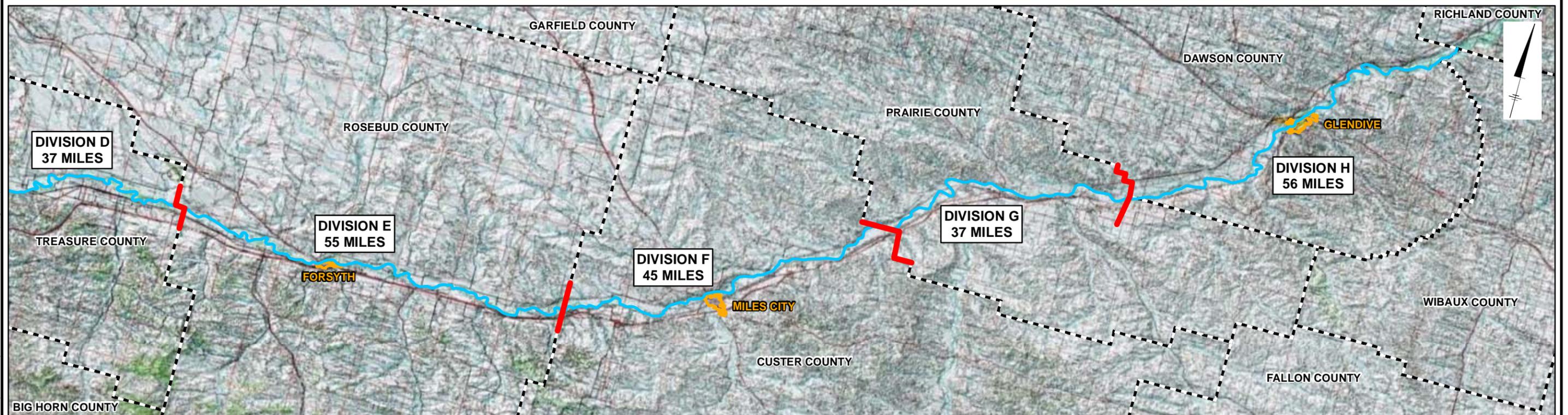
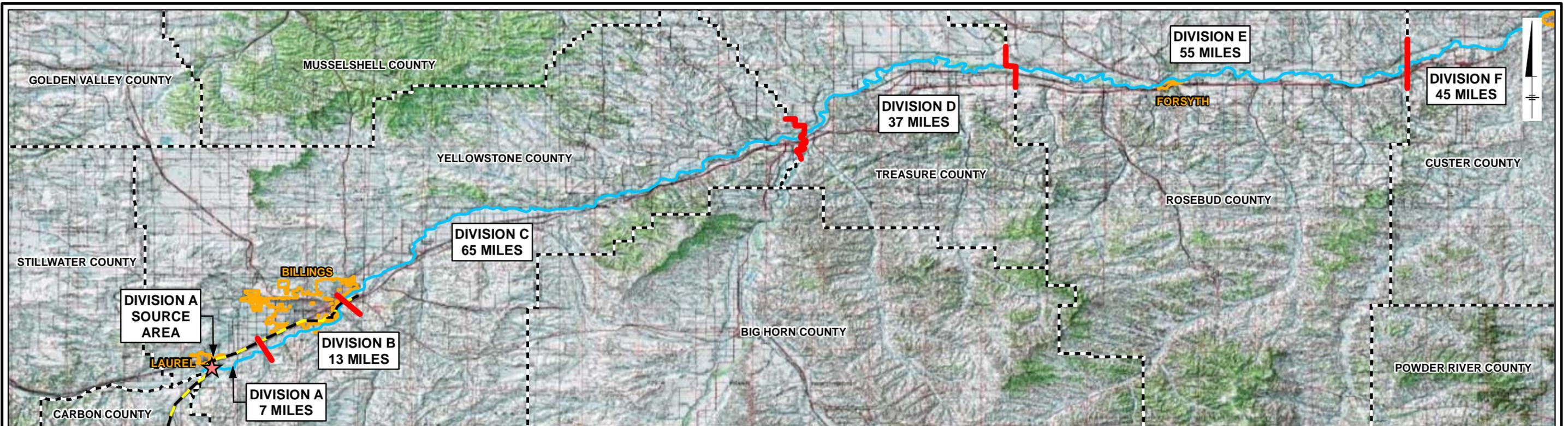


ExxonMobil Pipeline Company

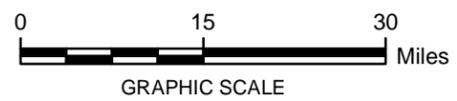
**Downstream Areas Surface Water
Data Summary Report**

Silvertip Pipeline Incident
Laurel, Montana

October 3, 2011



- LEGEND:**
- SPILL SITE
 - PIPELINE
 - DIVISION BREAK
 - YELLOWSTONE RIVER CENTERLINE (APPROXIMATE)
 - CITY BOUNDARY
 - COUNTY BOUNDARY



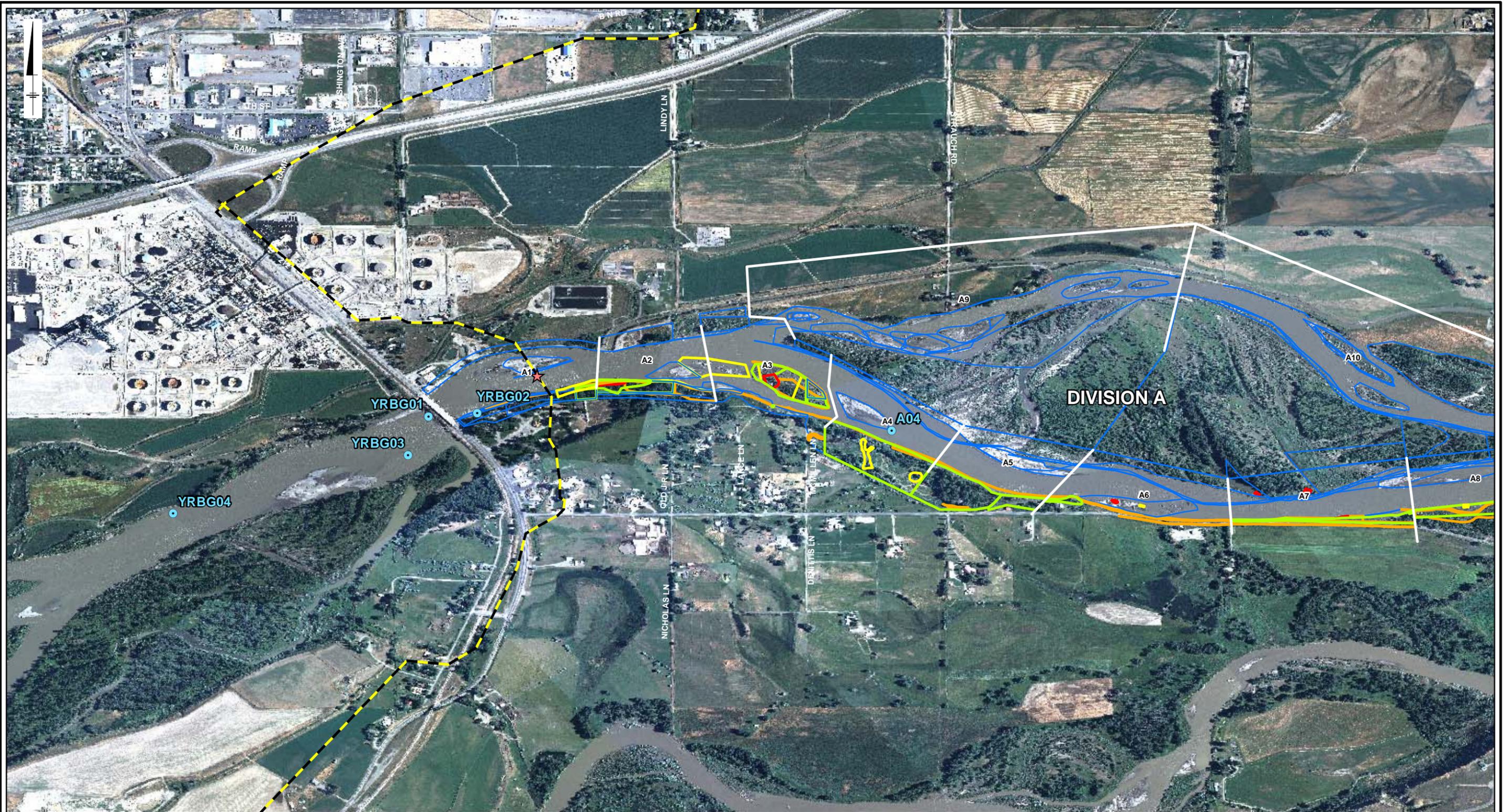
- NOTES:**
1. BASEMAPPING TOPOGRAPHIC MAP PROVIDED BY ESRI ARCGIS ONLINE MAP SERVICE.
 2. YELLOWSTONE RIVER CENTERLINE APPROXIMATED FROM 2009 AERIAL IMAGERY.

DOWNSTREAM IMPACTED AREAS
SILVERTIP PIPELINE INCIDENT
LAUREL, MONTANA
DOWNSTREAM AREAS SURFACE WATER
DATA SUMMARY REPORT

YELLOWSTONE RIVER STUDY AREA

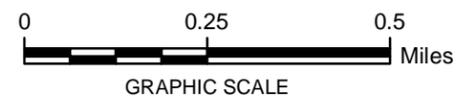
| **FIGURE 1**

City: SYR_Div/Group: 90 Created By: mikonberger Last Saved By: ksinsabaugh
Exxon-Mobil (B0085683,1103,00001)
C:\ExxonMobil\Laurel\MT\SurfaceWaterData\Summary\mxd\Study Area.mxd 10/3/2011 7:43:54 AM (Page of)



LEGEND:

- | | | | |
|---|-------------------------------|---|--------------------|
| ★ | SPILL SITE | — | OIL OBSERVATIONS: |
| ● | SURFACE WATER SAMPLE LOCATION | — | NO OILING OBSERVED |
| — | PIPELINE | — | VERY LIGHT |
| — | SCAT SEGMENT | — | LIGHT |
| | | — | MODERATE |
| | | — | HEAVY |



NOTES:

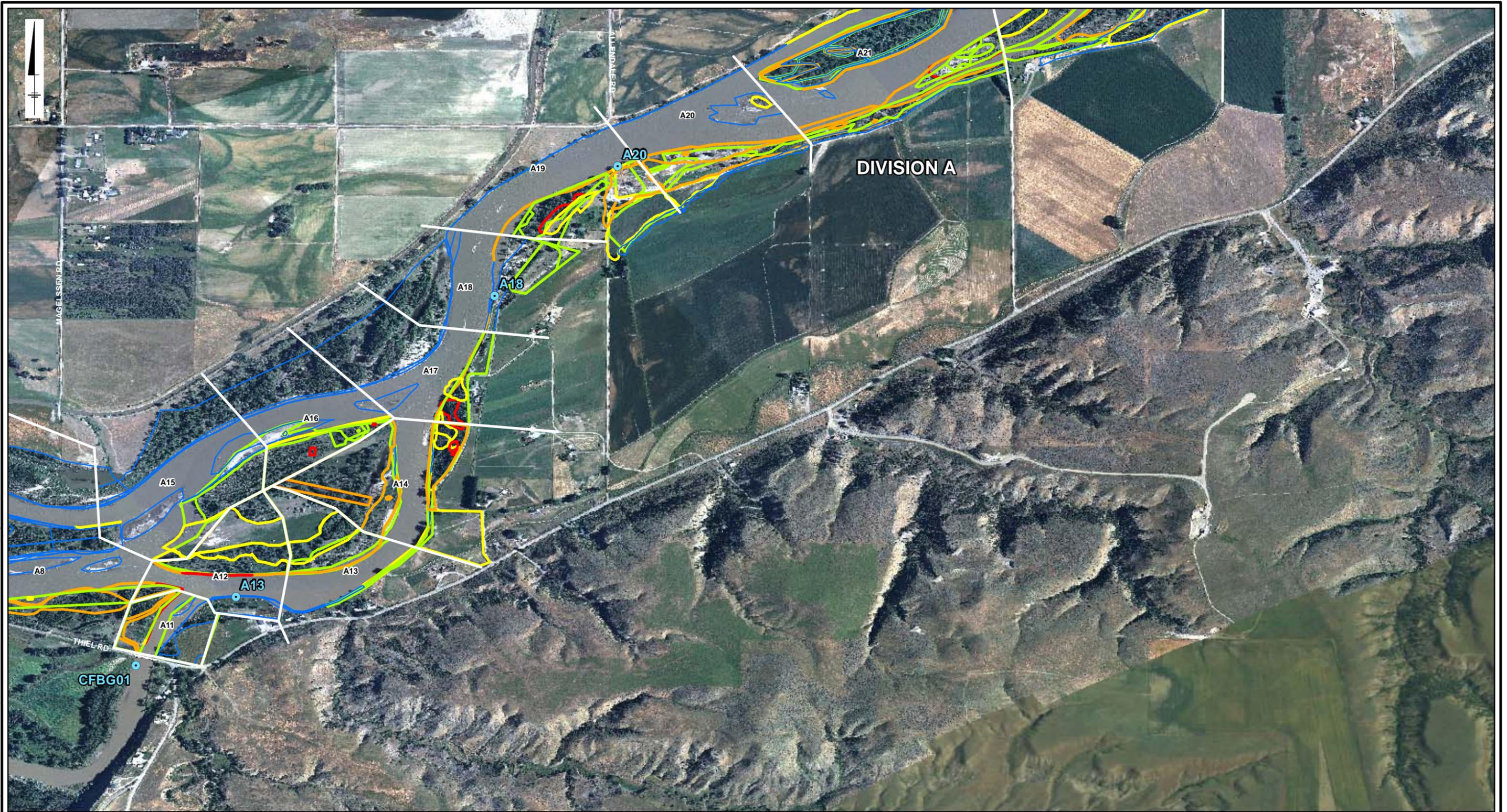
- OIL OBSERVATIONS ALONG SHORELINE PROVIDED AS A GIS LAYER BY THE SHORELINE CLEANUP ASSESSMENT TEAM (SCAT). OIL OBSERVATIONS SHOWN ARE CUMULATIVE FOR ASSESSMENT EFFORTS ACCOMPLISHED AS OF SEPTEMBER 16, 2011.
- THE RIVER SEGMENTS (E.G., A2) HAVE BEEN DETERMINED BY THE SCAT TEAM BASED ON GEOMORPHOLOGIC FEATURES AND PROVIDED AS A GIS LAYER. RIVER SEGMENTS HAVE BEEN ASSIGNED FOR DIVISIONS A THROUGH D.
- PROPOSED SAMPLE LOCATIONS WERE SELECTED BASED ON SHORELINE CLEANUP ASSESSMENT TECHNIQUE (SCAT) TEAM OBSERVATIONS/MAPPING AS OF JULY 20, 2011. ACTUAL SAMPLE LOCATIONS AS SHOWN ON THESE FIGURES WERE ADJUSTED IN THE FIELD BASED ON FIELD/SAFETY CONSIDERATIONS.
- AERIALS: IMAGERY FOR DIVISIONS A THROUGH C WAS ACQUIRED JULY 20 - 21, 2011. 4-BAND DIGITAL AERIAL PHOTOGRAPHY, 1-FOOT PIXEL RESOLUTION.

DOWNSTREAM IMPACTED AREAS
 SILVERTIP PIPELINE INCIDENT
 LAUREL, MONTANA
**DOWNSTREAM AREAS SURFACE WATER
 DATA SUMMARY REPORT**

**SURFACE WATER
 SAMPLE LOCATIONS FOR
 SEGMENT A1 - A7**

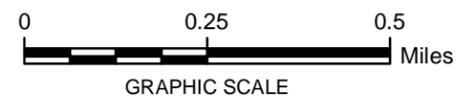


FIGURE
A1



LEGEND:

- | | | | |
|--|-------------------------------|--|--------------------|
| | SURFACE WATER SAMPLE LOCATION | | NO OILING OBSERVED |
| | PIPELINE | | VERY LIGHT |
| | SCAT SEGMENT | | LIGHT |
| | | | MODERATE |
| | | | HEAVY |



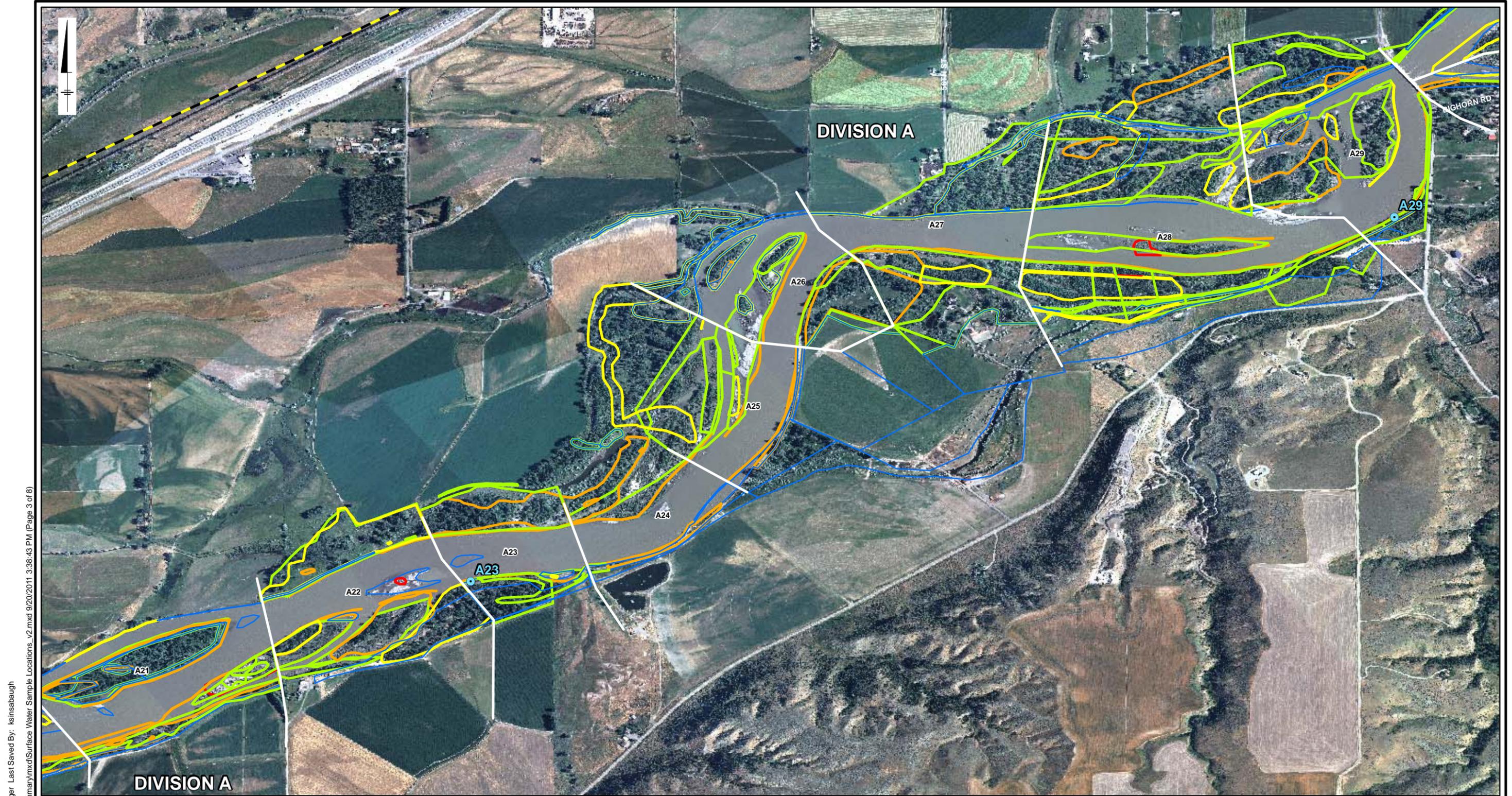
NOTES:

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- AERIALS: IMAGERY FOR DIVISIONS A THROUGH C WAS ACQUIRED JULY 20 - 21, 2011. 4-BAND DIGITAL AERIAL PHOTOGRAPHY, 1-FOOT PIXEL RESOLUTION.

DOWNSTREAM IMPACTED AREAS
 SILVERTIP PIPELINE INCIDENT
 LAUREL, MONTANA
**DOWNSTREAM AREAS SURFACE WATER
 DATA SUMMARY REPORT**
**SURFACE WATER
 SAMPLE LOCATIONS FOR
 SEGMENT A8 - A20**



**FIGURE
A2**



City: SYR Div/Group: 90 Created By: mikoberger Last Saved By: ksinsabaugh
 Exxon-Mobil (B0085683,1103,00001)
 C:\ExxonMobil\Laurel\MTS\SurfaceWaterData\Summary\mxd\Surface Water Sample Locations_v2.mxd 9/20/2011 3:38:43 PM (Page 3 of 8)

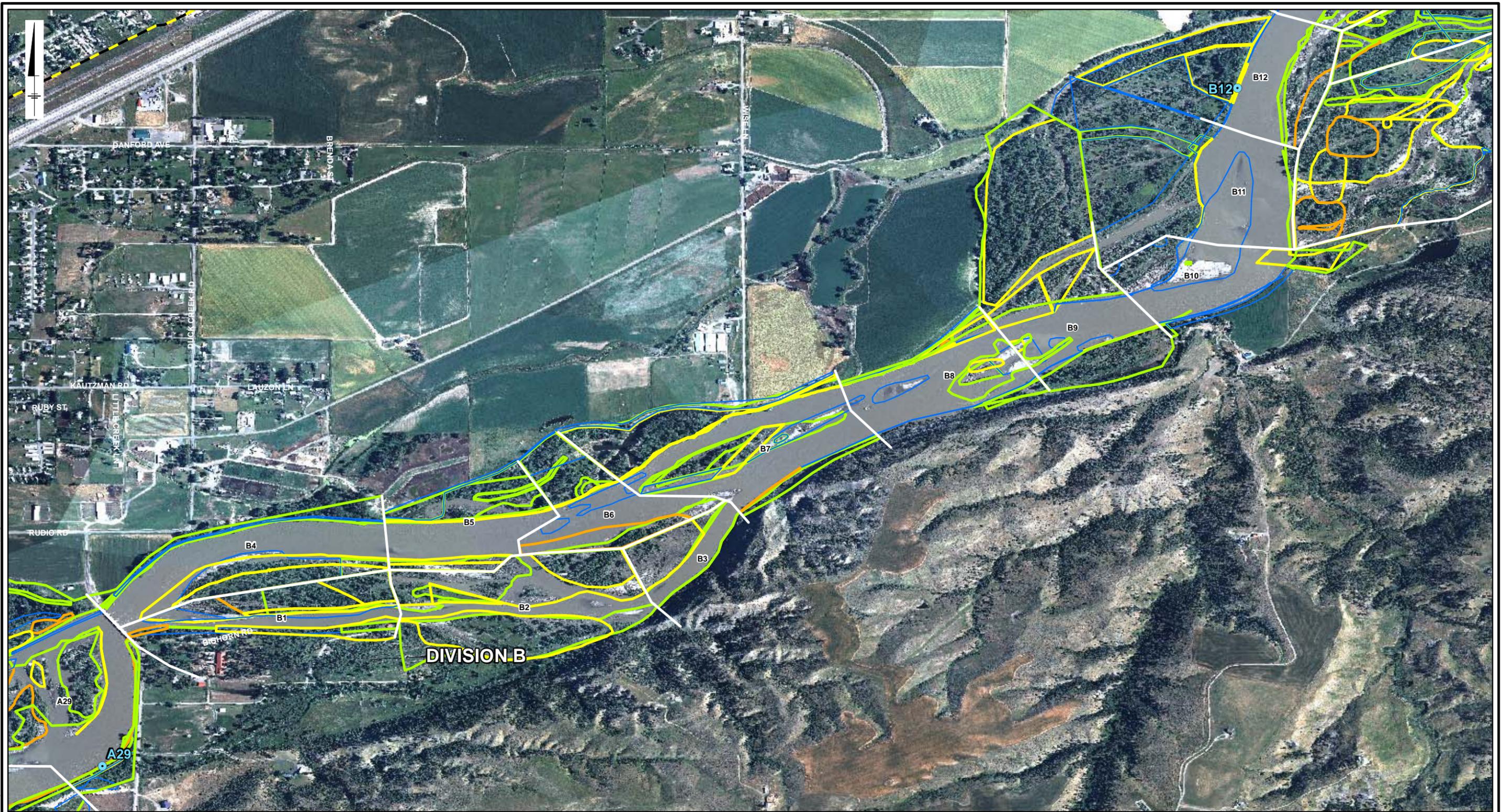
- LEGEND:**
- | | |
|-------------------------------|--------------------------|
| SURFACE WATER SAMPLE LOCATION | OIL OBSERVATIONS: |
| PIPELINE | NO OILING OBSERVED |
| SCAT SEGMENT | VERY LIGHT |
| | LIGHT |
| | MODERATE |
| | HEAVY |



- NOTES:**
- OIL OBSERVATIONS ALONG SHORELINE PROVIDED AS A GIS LAYER BY THE SHORELINE CLEANUP ASSESSMENT TEAM (SCAT). OIL OBSERVATIONS SHOWN ARE CUMULATIVE FOR ASSESSMENT EFFORTS ACCOMPLISHED AS OF SEPTEMBER 16, 2011.
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 - AERIALS: IMAGERY FOR DIVISIONS A THROUGH C WAS ACQUIRED JULY 20 - 21, 2011. 4-BAND DIGITAL AERIAL PHOTOGRAPHY, 1-FOOT PIXEL RESOLUTION.

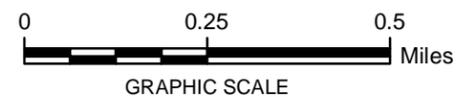
DOWNSTREAM IMPACTED AREAS
 SILVERTIP PIPELINE INCIDENT
 LAUREL, MONTANA
**DOWNSTREAM AREAS SURFACE WATER
 DATA SUMMARY REPORT**
**SURFACE WATER
 SAMPLE LOCATIONS FOR
 SEGMENT A21 - A29**

**FIGURE
 A3**



LEGEND:

- | | | | |
|--|-------------------------------|--|--------------------|
| | SURFACE WATER SAMPLE LOCATION | | NO OILING OBSERVED |
| | PIPELINE | | VERY LIGHT |
| | SCAT SEGMENT | | LIGHT |
| | | | MODERATE |
| | | | HEAVY |

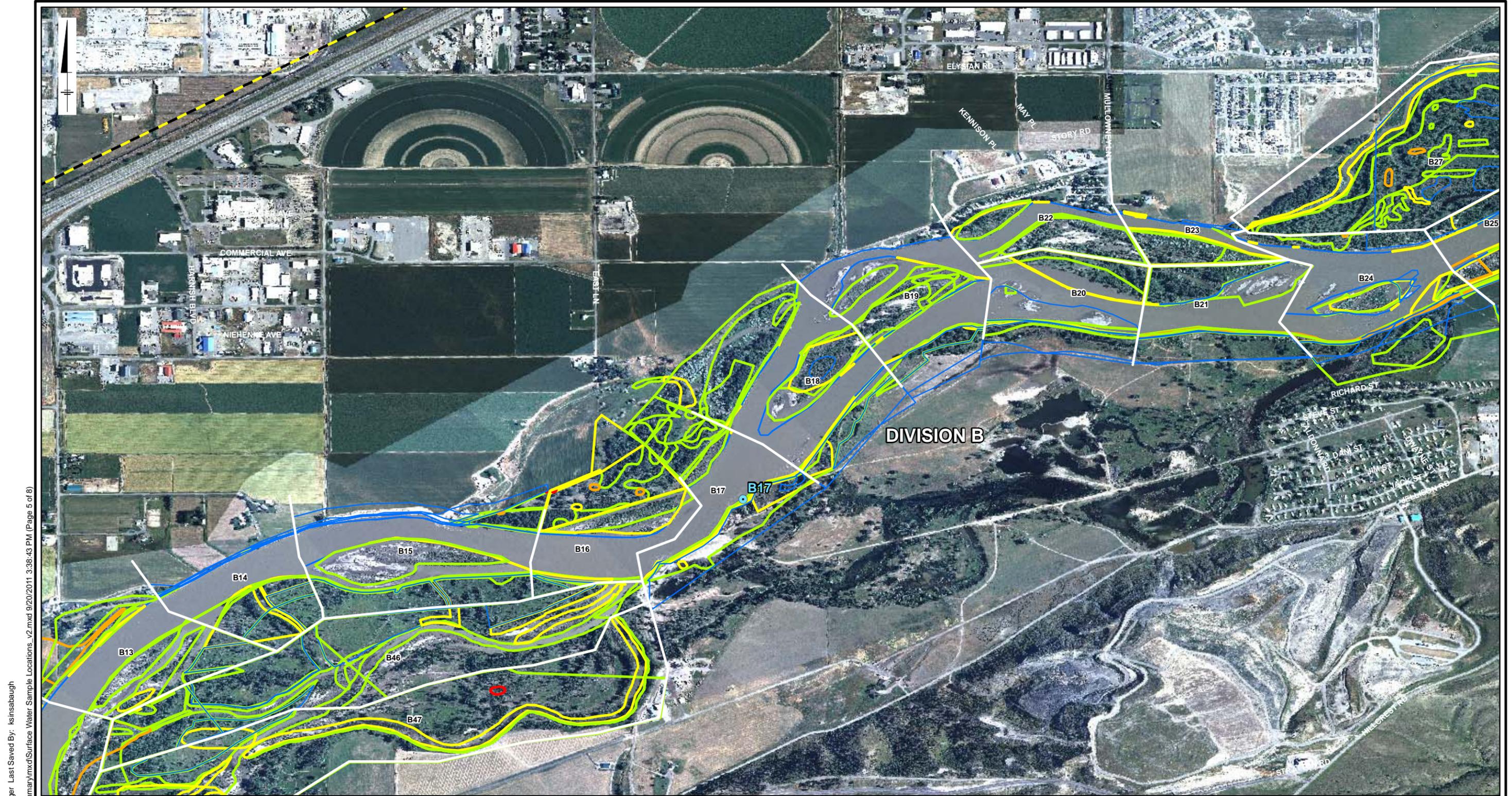


NOTES:

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DOWNSTREAM IMPACTED AREAS
 SILVERTIP PIPELINE INCIDENT
 LAUREL, MONTANA
**DOWNSTREAM AREAS SURFACE WATER
 DATA SUMMARY REPORT**
**SURFACE WATER
 SAMPLE LOCATIONS FOR
 SEGMENT B1 - B12**

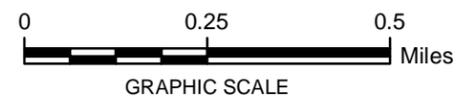
FIGURE
B1



City: SYR Div/Group: 90 Created By: mikoberger Last Saved By: ksinsabaugh
 Exxon-Mobil (B0085683.1103.00001)
 C:\ExxonMobil\Laurel\MTS\SurfaceWaterDataSummary\mxd\Surface Water Sample Locations_v2.mxd 9/20/2011 3:38:43 PM (Page 5 of 8)

LEGEND:

- | | | | |
|--|-------------------------------|--|--------------------|
| | SURFACE WATER SAMPLE LOCATION | | OIL OBSERVATIONS: |
| | PIPELINE | | NO OILING OBSERVED |
| | SCAT SEGMENT | | VERY LIGHT |
| | | | LIGHT |
| | | | MODERATE |
| | | | HEAVY |

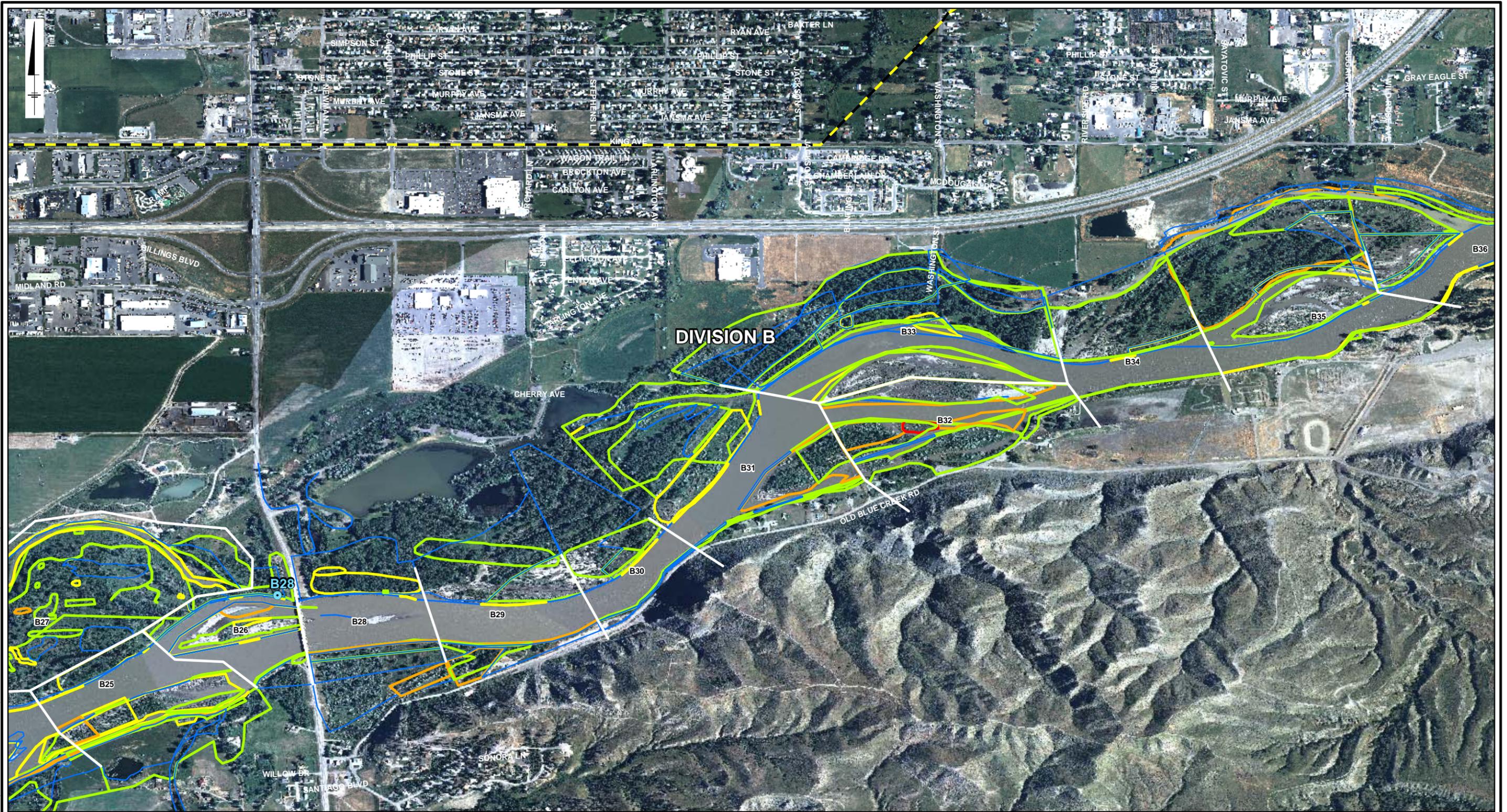


NOTES:

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- AERIALS: IMAGERY FOR DIVISIONS A THROUGH C WAS ACQUIRED JULY 20 - 21, 2011. 4-BAND DIGITAL AERIAL PHOTOGRAPHY, 1-FOOT PIXEL RESOLUTION.

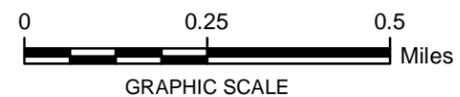
DOWNSTREAM IMPACTED AREAS
 SILVERTIP PIPELINE INCIDENT
 LAUREL, MONTANA
**DOWNSTREAM AREAS SURFACE WATER
 DATA SUMMARY REPORT**
**SURFACE WATER
 SAMPLE LOCATIONS FOR
 SEGMENT B13 - B24**

**FIGURE
 B2**



LEGEND:

- | | |
|-------------------------------|---|
| SURFACE WATER SAMPLE LOCATION | OIL OBSERVATIONS:
NO OILING OBSERVED |
| PIPELINE | VERY LIGHT |
| SCAT SEGMENT | LIGHT |
| | MODERATE |
| | HEAVY |



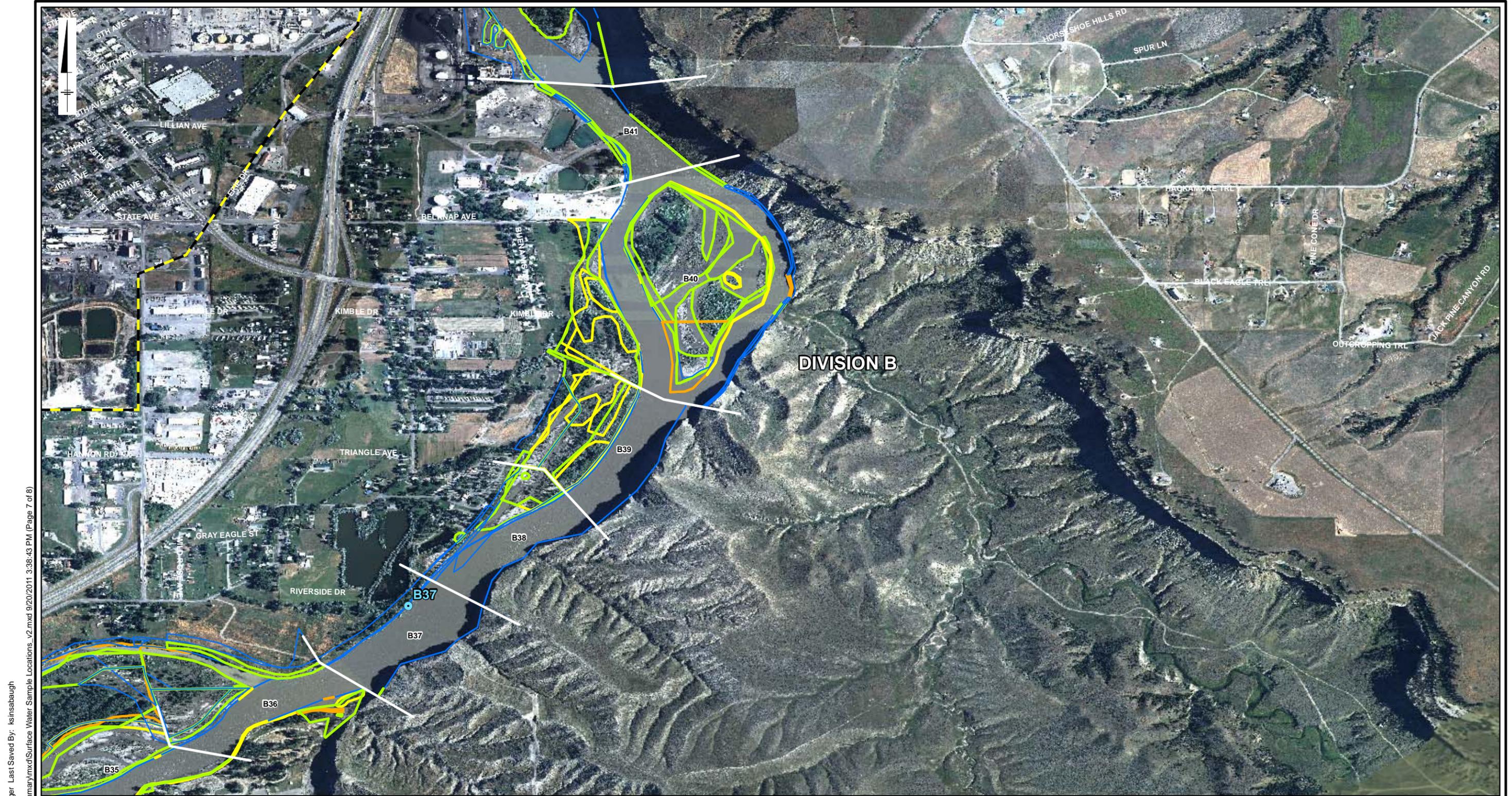
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DOWNSTREAM IMPACTED AREAS
 SILVERTIP PIPELINE INCIDENT
 LAUREL, MONTANA
**DOWNSTREAM AREAS SURFACE WATER
 DATA SUMMARY REPORT**
**SURFACE WATER
 SAMPLE LOCATIONS FOR
 SEGMENT B25 - B34**



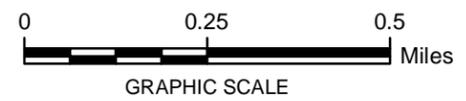
FIGURE
B3



City: SYR Div/Group: 90 Created By: mikoberger Last Saved By: ksinsabaugh
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 C:\ExxonMobil\Laurel\MTS\SurfaceWaterData\Summary\mxd\Surface Water Sample Locations_v2.mxd 9/20/2011 3:38:43 PM (Page 7 of 8)

LEGEND:

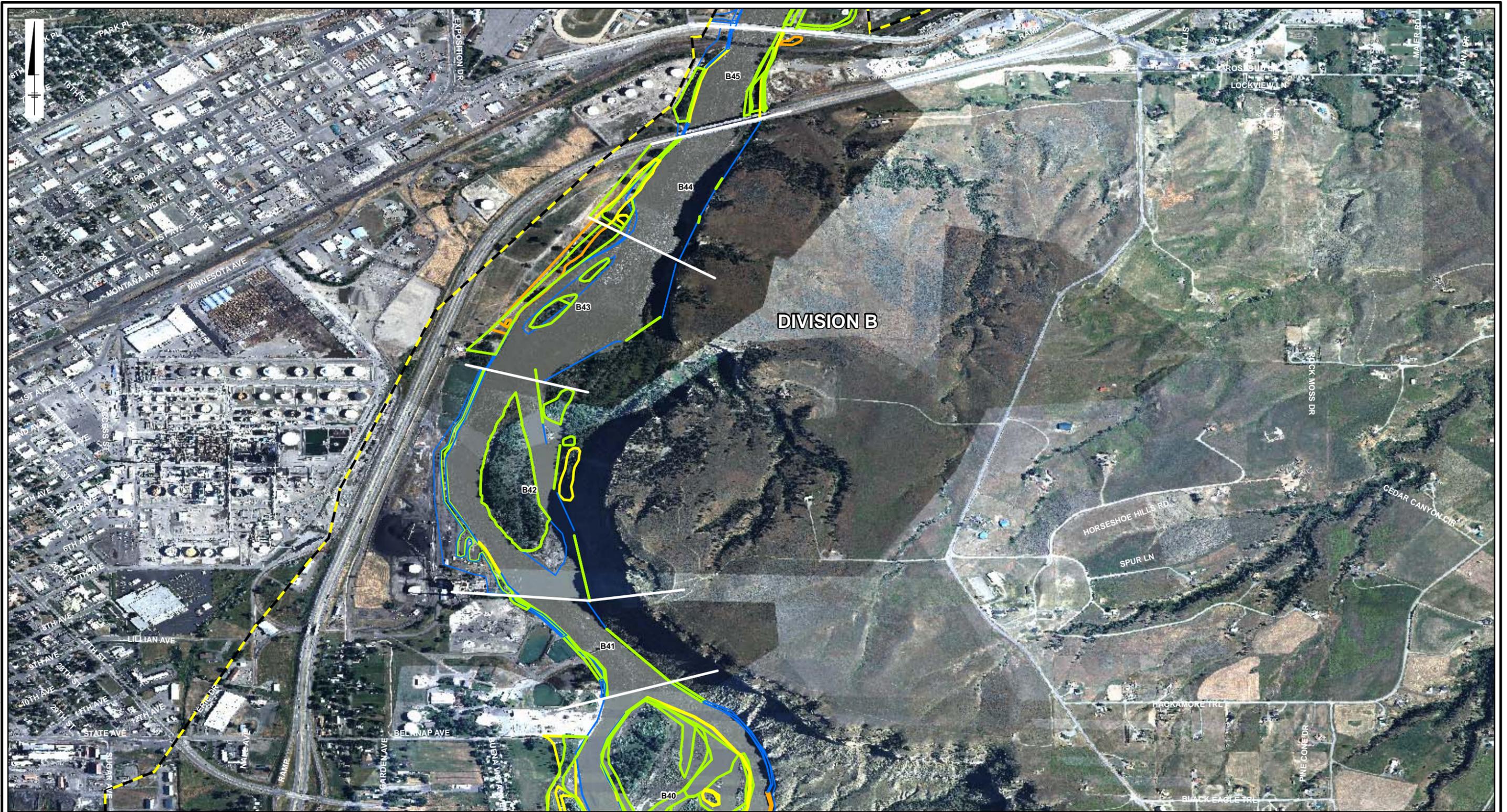
	SURFACE WATER SAMPLE LOCATION		OIL OBSERVATIONS:
	PIPELINE		NO OILING OBSERVED
	SCAT SEGMENT		VERY LIGHT
			LIGHT
			MODERATE
			HEAVY



- NOTES:**
- OIL OBSERVATIONS ALONG SHORELINE PROVIDED AS A GIS LAYER BY THE SHORELINE CLEANUP ASSESSMENT TEAM (SCAT). OIL OBSERVATIONS SHOWN ARE CUMULATIVE FOR ASSESSMENT EFFORTS ACCOMPLISHED AS OF SEPTEMBER 16, 2011.
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 - AERIALS: IMAGERY FOR DIVISIONS A THROUGH C WAS ACQUIRED JULY 20 - 21, 2011. 4-BAND DIGITAL AERIAL PHOTOGRAPHY, 1-FOOT PIXEL RESOLUTION.

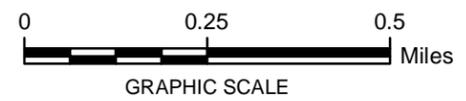
DOWNSTREAM IMPACTED AREAS
 SILVERTIP PIPELINE INCIDENT
 LAUREL, MONTANA
**DOWNSTREAM AREAS SURFACE WATER
 DATA SUMMARY REPORT**
**SURFACE WATER
 SAMPLE LOCATIONS FOR
 SEGMENT B35 - B41**

**FIGURE
 B4**



LEGEND:

	SURFACE WATER SAMPLE LOCATION		OIL OBSERVATIONS:
	PIPELINE		NO OILING OBSERVED
	SCAT SEGMENT		VERY LIGHT
			LIGHT
			MODERATE
			HEAVY

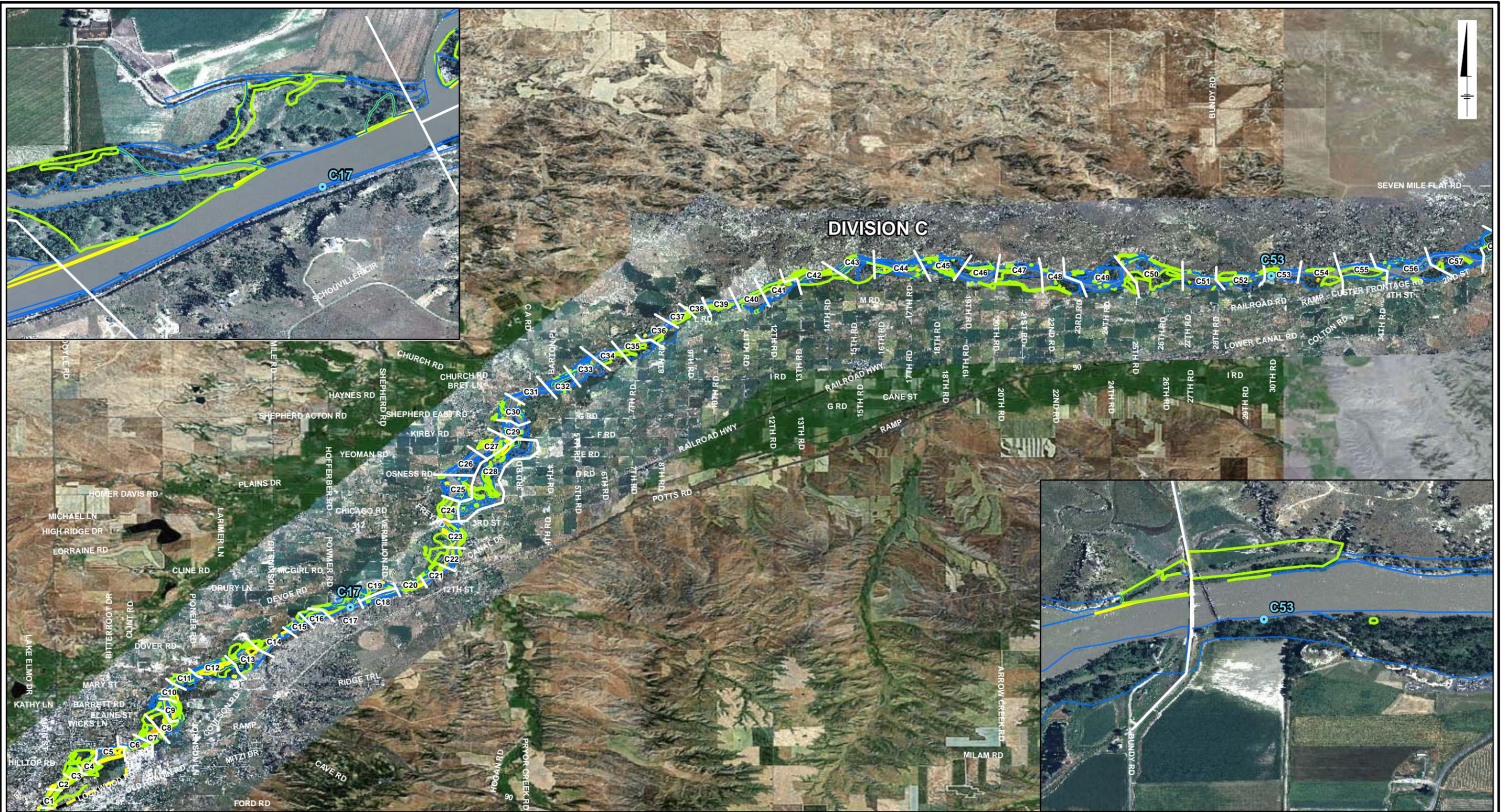


- NOTES:**
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 - AERIALS: IMAGERY FOR DIVISIONS A THROUGH C WAS ACQUIRED JULY 20 - 21, 2011. 4-BAND DIGITAL AERIAL PHOTOGRAPHY, 1-FOOT PIXEL RESOLUTION.

DOWNSTREAM IMPACTED AREAS
 SILVERTIP PIPELINE INCIDENT
 LAUREL, MONTANA
**DOWNSTREAM AREAS SURFACE WATER
 DATA SUMMARY REPORT**

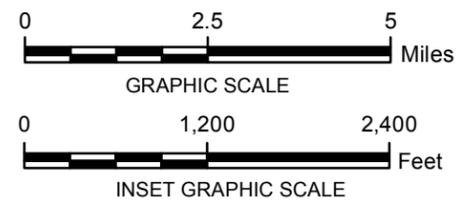
**SURFACE WATER
 SAMPLE LOCATIONS FOR
 SEGMENT B42 - B45**

**FIGURE
 B5**



LEGEND:

- | | | | |
|--|-------------------------------|--|--------------------|
| | SURFACE WATER SAMPLE LOCATION | | NO OILING OBSERVED |
| | PIPELINE | | VERY LIGHT |
| | SCAT SEGMENT | | LIGHT |
| | | | MODERATE |
| | | | HEAVY |



NOTES:

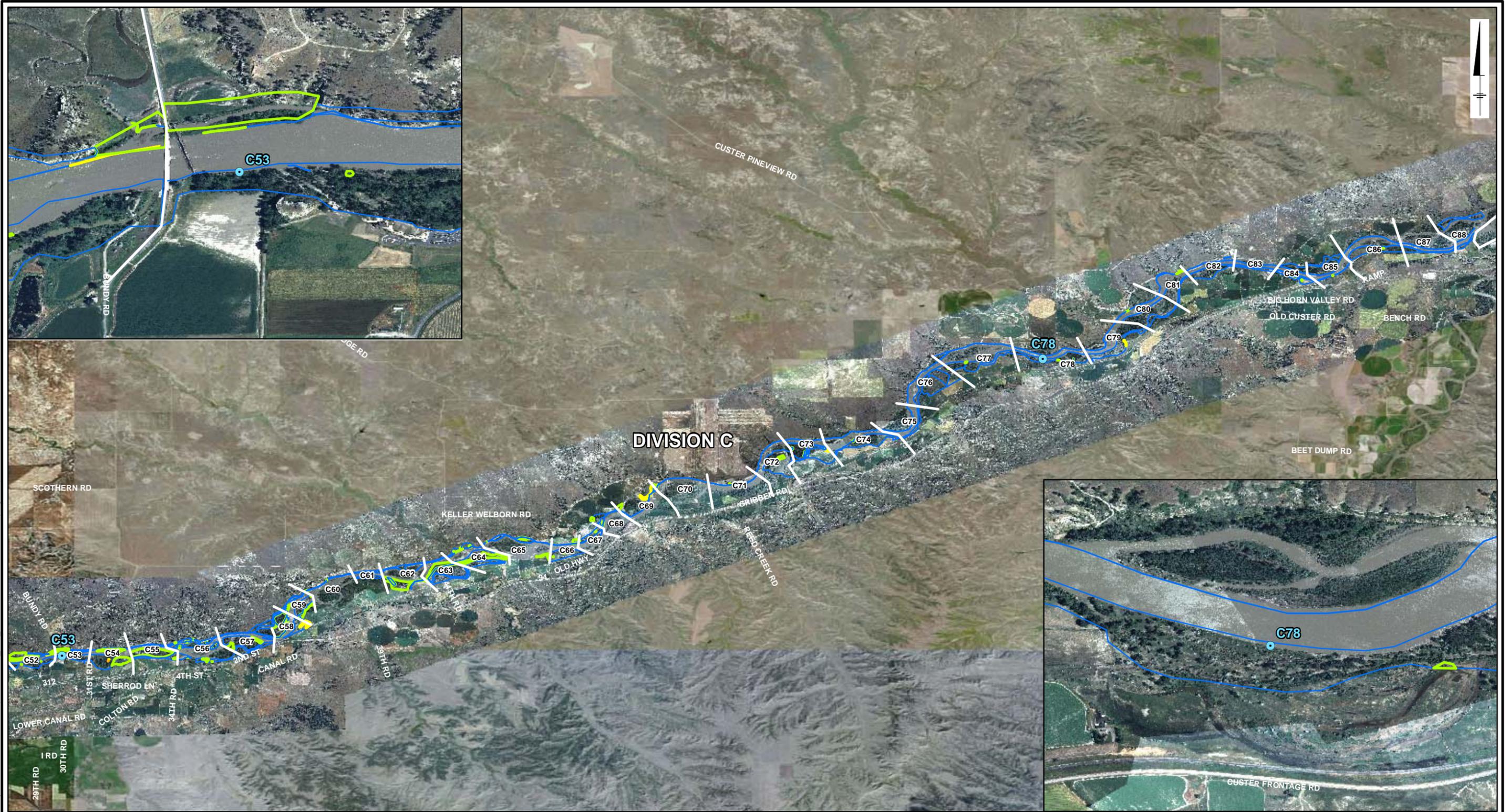
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DOWNSTREAM IMPACTED AREAS
 SILVERTIP PIPELINE INCIDENT
 LAUREL, MONTANA
**DOWNSTREAM AREAS SURFACE WATER
 DATA SUMMARY REPORT**

**SURFACE WATER
 SAMPLE LOCATIONS FOR
 SEGMENT C1 - C57**

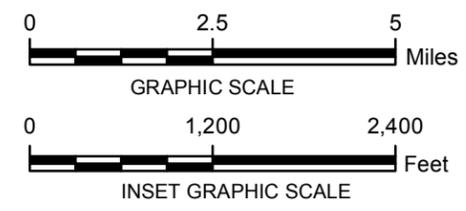
ARCADIS

**FIGURE
 C1**



LEGEND:

SURFACE WATER SAMPLE LOCATION	OIL OBSERVATIONS: NO OILING OBSERVED
PIPELINE	VERY LIGHT
SCAT SEGMENT	LIGHT
	MODERATE
	HEAVY



- NOTES:**
- OIL OBSERVATIONS ALONG SHORELINE PROVIDED AS A GIS LAYER BY THE SHORELINE CLEAN UP ASSESSMENT TEAM (SCAT). OIL OBSERVATIONS SHOWN ARE CUMULATIVE FOR ASSESSMENT EFFORTS ACCOMPLISHED AS OF SEPTEMBER 16, 2011.
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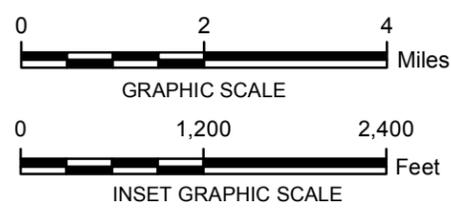
DOWNSTREAM IMPACTED AREAS
 SILVERTIP PIPELINE INCIDENT
 LAUREL, MONTANA
**DOWNSTREAM AREAS SURFACE WATER
 DATA SUMMARY REPORT**
**SURFACE WATER
 SAMPLE LOCATIONS FOR
 SEGMENT C52 - C88**

**FIGURE
C2**



LEGEND:

SURFACE WATER SAMPLE LOCATION	NO OILING OBSERVED
PIPELINE	VERY LIGHT
SCAT SEGMENT	LIGHT
	MODERATE
	HEAVY



- NOTES:**
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DOWNSTREAM IMPACTED AREAS
 SILVERTIP PIPELINE INCIDENT
 LAUREL, MONTANA
**DOWNSTREAM AREAS SURFACE WATER
 DATA SUMMARY REPORT**

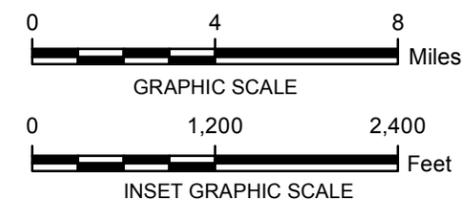
**SURFACE WATER
 SAMPLE LOCATIONS FOR
 DIVISION D**

**FIGURE
 D**



LEGEND:

- | | |
|-------------------------------|--------------------|
| SURFACE WATER SAMPLE LOCATION | NO OILING OBSERVED |
| PIPELINE | VERY LIGHT |
| SCAT SEGMENT | LIGHT |
| | MODERATE |
| | HEAVY |



NOTES:

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- AERIALS: IMAGERY FOR DIVISIONS A THROUGH C WAS ACQUIRED JULY 20 - 21, 2011. 4-BAND DIGITAL AERIAL PHOTOGRAPHY, 1-FOOT PIXEL RESOLUTION.

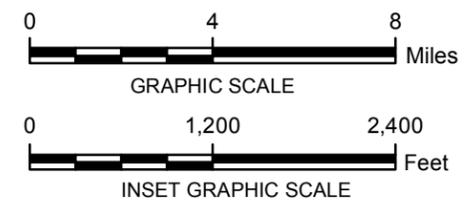
DOWNSTREAM IMPACTED AREAS
 SILVERTIP PIPELINE INCIDENT
 LAUREL, MONTANA
**DOWNSTREAM AREAS SURFACE WATER
 DATA SUMMARY REPORT**
**SURFACE WATER
 SAMPLE LOCATIONS FOR
 DIVISION E**

**FIGURE
E**



LEGEND:

SURFACE WATER SAMPLE LOCATION	OIL OBSERVATIONS:
PIPELINE	NO OILING OBSERVED
SCAT SEGMENT	VERY LIGHT
	LIGHT
	MODERATE
	HEAVY



- NOTES:**
- OIL OBSERVATIONS ALONG SHORELINE PROVIDED AS A GIS LAYER BY THE SHORELINE CLEAN UP ASSESSMENT TEAM (SCAT). OIL OBSERVATIONS SHOWN ARE CUMULATIVE FOR ASSESSMENT EFFORTS ACCOMPLISHED AS OF SEPTEMBER 16, 2011.
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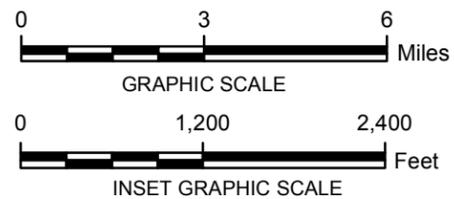
DOWNSTREAM IMPACTED AREAS
 SILVERTIP PIPELINE INCIDENT
 LAUREL, MONTANA
**DOWNSTREAM AREAS SURFACE WATER
 DATA SUMMARY REPORT**
**SURFACE WATER
 SAMPLE LOCATIONS FOR
 DIVISION F**

**FIGURE
 F**



LEGEND:

- | | |
|-------------------------------|---|
| SURFACE WATER SAMPLE LOCATION | OIL OBSERVATIONS:
NO OILING OBSERVED |
| PIPELINE | VERY LIGHT |
| SCAT SEGMENT | LIGHT |
| | MODERATE |
| | HEAVY |



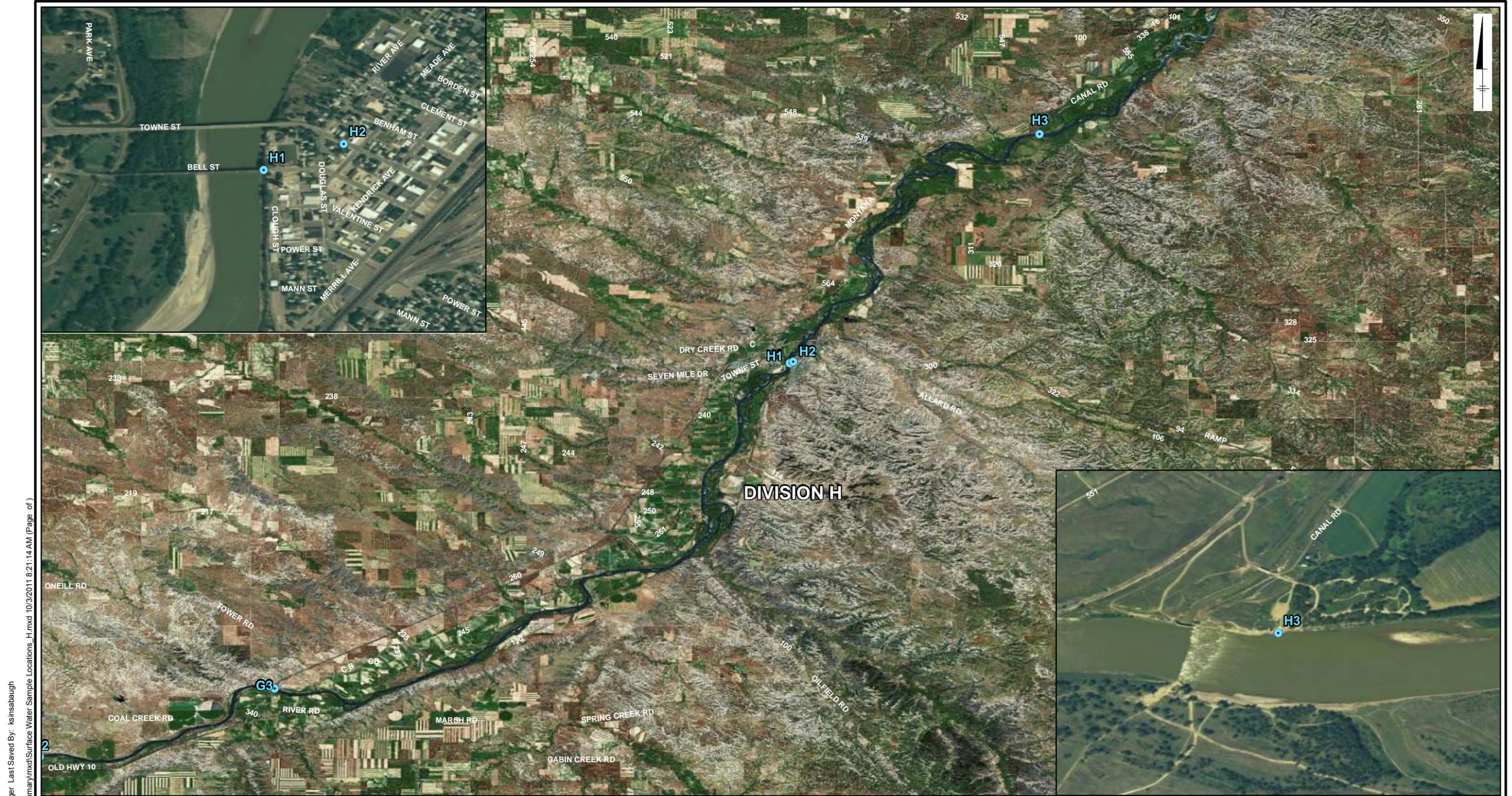
NOTES:

- OIL OBSERVATIONS ALONG SHORELINE PROVIDED AS A GIS LAYER BY THE SHORELINE CLEAN UP ASSESSMENT TEAM (SCAT). OIL OBSERVATIONS SHOWN ARE CUMULATIVE FOR ASSESSMENT EFFORTS ACCOMPLISHED AS OF SEPTEMBER 16, 2011.
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- AERIALS: IMAGERY FOR DIVISIONS A THROUGH C WAS ACQUIRED JULY 20 - 21, 2011. 4-BAND DIGITAL AERIAL PHOTOGRAPHY, 1-FOOT PIXEL RESOLUTION.

DOWNSTREAM IMPACTED AREAS
 SILVERTIP PIPELINE INCIDENT
 LAUREL, MONTANA
**DOWNSTREAM AREAS SURFACE WATER
 DATA SUMMARY REPORT**
**SURFACE WATER
 SAMPLE LOCATIONS FOR
 DIVISION G**



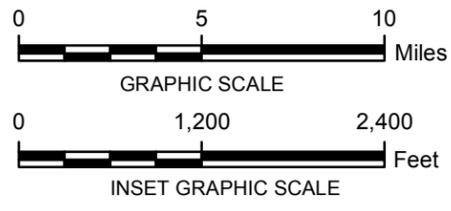
**FIGURE
G**



City: SYR Div/Group: 90 Created By: mikonberger Last Saved By: ksinsabaugh
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 C:\ExxonMobil\Laurel\MT\SurfaceWaterData\Summary\mxd\SurfaceWater_Sample_Locations_H.mxd 10/3/2011 8:21:14 AM (Page of)

LEGEND:

SURFACE WATER SAMPLE LOCATION	OIL OBSERVATIONS:
PIPELINE	NO OILING OBSERVED
SCAT SEGMENT	VERY LIGHT
	LIGHT
	MODERATE
	HEAVY



- NOTES:**
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DOWNSTREAM IMPACTED AREAS
 SILVERTIP PIPELINE INCIDENT
 LAUREL, MONTANA
**DOWNSTREAM AREAS SURFACE WATER
 DATA SUMMARY REPORT**
**SURFACE WATER
 SAMPLE LOCATIONS FOR
 DIVISION H**

**FIGURE
H**