

1. Incident Name: Sturgeon River US-41 Gasoline Spill	2. Operational Period: Starting: February 12, 2018, 0830 End: February 12, 2018, 1900	IAP Cover Sheet
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3. Approved by Incident Commander(s):

Ralph Dollhopf **Ralph Dollhopf, U.S. EPA** *2/11/18*

Amy Keranen **Amy Keranen, Michigan Department of Environmental Quality**

Rich Baron **Rich Baron, Kenan Advantage Group**

Cathryn Beer **Cathryn Beer, WUPHD**

Chris Van Arsdale **Chris Van Arsdale, Houghton County EM**

Incident Action Plan

The items below are included in this Incident Action Plan:

- ICS 202 (Response Objectives)
- ICS 203 (Organization Assignment List)
- ICS 204 (Assignment List)
- ICS 207 (Organization Chart)



7. Prepared by: Name: Dan Capone Position/Title: Planning Section Chief Signature: *Dan Capone* *2-11-18 1620 hrs*

INCIDENT OBJECTIVES (ICS 202)

1. Incident Name: Sturgeon River US-41 Gasoline Spill	2. Operational Period: Date From: 2-11-18 Time From: 08:30	Date To: 2-12-18 Time To: 19:00
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3. Objective(s):

Protect public safety.

Protect worker safety.

Recover product from the river.

Remove product spilled onto the land.

Develop Work Plan for all elements of long-term recovery and monitoring phase.

Reopening of all lanes on US-41 bridge over Sturgeon River.

4. Operational Period Command Emphasis:

Continue air monitoring in residential areas.

Continue assessment of primary containment boom in river for impacts from released fuel.

Monitor and recover product on the ice or outside of the sheet piling.

Continue excavation of impacted soil from spill source area along both sides and under bridge.

Assess the need for intermediate engineering controls for dual phase containment and recovery of spilled product around and under bridge.

Begin to prepare restoration plan of bridge embankment and plan for demobilization of resources.

General Situational Awareness

Product recovery from the banks along both sides of the bridge continues. Worker safety considerations are ongoing. Continue monitoring nearby residential properties.

5. Site Safety Plan Required? Yes No

Approved Site Safety Plan(s) Located at: Command center trailer

6. Incident Action Plan (the items checked below are included in this Incident Action Plan):

<input checked="" type="checkbox"/> ICS 202	<input type="checkbox"/> ICS 206	Other Attachments:	
<input checked="" type="checkbox"/> ICS 203	<input checked="" type="checkbox"/> ICS 207		<input checked="" type="checkbox"/> Traffic Control Plan
<input checked="" type="checkbox"/> ICS 204	<input type="checkbox"/> ICS 208		<input type="checkbox"/> _____
<input type="checkbox"/> ICS 205	<input checked="" type="checkbox"/> Map/Chart		<input type="checkbox"/> _____
<input type="checkbox"/> ICS 205A	<input type="checkbox"/> Weather Forecast/Tides/Currents		<input type="checkbox"/> _____
			<input type="checkbox"/> _____

7. Prepared by: Name: Dan Capone Position/Title: Planning Section Chief Signature:

8. Approved by Incident Commander: Name: OSC Ralph Dollhopf Signature:

ICS 202 IAP Page 2 Date/Time: 2-11-18 1630

ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name: Sturgeon River US-41 Gasoline Spill		2. Operational Period: Date From: 2-12-18 Time From: 08:30		Date To: 2-12-18 Time To: 19:00	
3. Incident Commander(s)/ Agency Incident Coordinator and Command Staff: (include location)			7. Operations Section:		
<input type="checkbox"/> IMT IC/UCs	Unified Command		Chief	Tom Anthos	906-360-1545
<input type="checkbox"/> IMG AIC			Deputy	Dan Capone	517-881-8837
Deputy			Staging Area		
Safety Officer	Tom Anthos 906-360-1545		Branch	River Assessment and Recovery	
Public Info. Officer			Branch Director	Mylan Koski	906-360-4027
Liaison Officer			Deputy	Brandon Ray	269-719-5541
4. Agency/Organization Representatives:			Group	Assessment	906-360-4027
Agency/Organization	Name		Group	Recovery	269-719-5541
USEPA	Ralph Dollhopf 231-301-0559		Division/Group		
MDEQ	Amy Keranen 906-231-6060		Division/Group		
TriMedia	Tom Anthos 906-360-1545		Division/Group		
Kenan Advantage Group	Richard Baron 248-310-9720		Branch	B a n k R e c o v e r y	
WUPHD	Cathryn Beer 906-201-2342		Branch Director	Mylan Koski	906-360-4027
Houghton County EM	Chris Van Arsdale 906-281-8170		Deputy		
5. Planning Section:			Division/Group		
Chief	Dan Capone 517-881-8837		Division/Group		
Deputy			Division/Group		
Resources Unit			Division/Group		
Situation Unit			Division/Group		
Documentation Unit			Branch	Air Monitoring and Sampling	
Demobilization Unit			Branch Director	Evan Birkett	734-536-3292
Technical Specialists			Deputy		
			Group	TriMedia	906-360-0024
			Group	EPA START	734-536-3292
			Division/Group		
6. Logistics Section:			Division/Group		
Chief	Tom Anthos 906-360-1545		Division/Group		
Deputy			Branch		
Support Branch			Branch Director		
Director					
Supply Unit					
Facilities Unit	Traffic Control-Hans Haapala		8. Finance/Administration Section:		
Ground Support Unit			Chief	Marlin Zechman 610-968-9500	
Service Branch			Deputy		
Director			Time Unit		
Communications Unit			Procurement Unit		
Medical Unit			Comp/Claims Unit		
Food Unit			Cost Unit		
9. Prepared by: Name: Dan Capone _____			Position/Title: Planning Section Chief _____ Signature: <i>Dan M Capone</i>		
ICS 203	IAP Page <u>3</u>	Date/Time: <u>2-11-18 1620 hrs</u>			

ASSIGNMENT LIST (ICS 204)

1. Incident Name: Sturgeon River US-41 Gasoline Spill		2. Operational Period: Date From: 2-12-18 Date To: 2-12-18 Time From: 0830 Time To: 1900		3. Branch: Bank Recovery Division: Group: Staging Area:
4. Operations Personnel: <u>Name</u> <u>Contact Number(s)</u>				
Operations Section Chief: Tom Anthos		906-360-1545		
Branch Director: Mylan Koski		906-360-4027		
Division/Group Supervisor: _____				
5. Resources Assigned:			Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information	
Resource Identifier	Leader	# of Persons		Contact (e.g., phone, pager, radio frequency, etc.)
Mark Stenberg	UPE			spill site
Rob Bloniaiz	UPE			spill site
Ray Coovim	UPE			spill Site
Mylan Koski	TriMedia Field Ops		906/360-4027	spill site
Brian Bonen	B&B		906/281-2587	Spill site
Hans Haapala	B&B Traffic Control		906/281-6908	Trucking and loading areas
Mitch Large	B&B			Spill Site
Joe Lamponin	B&B			Staging/Loading Area
Adam Kiddle	TriMedia		235-3755	Spill Site
6. Work Assignments: Meet with all Truck Drivers and Traffic Control Personnel to discuss traffic and loading control plan Prep equipment for excavation loading hauling and backfill/restoration Line trucks with poly to support waste hauling activities Continue removal of impacted soils at release area North and South locations Perform soil impact delineation at rivers edge back to main spill area during excavation Load and truck impacted materials to Waste Management Landfill (site and stockpile) Manage waste ticketing/manifest Traffic Control				
7. Special Instructions: Traffic Control and personnel safety must be a focus during this period of significantly increased heavy equipment activity. Air monitoring and the potential for increased VOC vapors during excavation and loading activities will continue to be a concern and will be monitored.				
8. Communications (radio and/or phone contact numbers needed for this assignment):				
<u>Name/Function</u>		<u>Primary Contact: indicate cell, pager, or radio (frequency/system/channel)</u>		
all parties /		contact at numbers listed above		
/		/		
/		/		
/		/		
9. Prepared by: Name: Tom Anthos Position/Title: Ops Section Chief Signature: 				
ICS 204	IAP Page 4	Date/Time: 2/11/18 16:23		

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6. Work Assignments: No River Assessment activities planned for 2-12-18																																															
7. Special Instructions:																																															
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6. Work Assignments: Discuss sequencing with Team and Excavator operator Maintain boom curtain at western edge and northern edge of surface ice impact area Continue to remove impacted water with Vac Truck, if present Work with landward operators to remove impacted materials Develop mid-term containment strategy for north side impact area at River																																														
7. Special Instructions: Discuss water evacuation and warming plan in the event of ice rescue																																														
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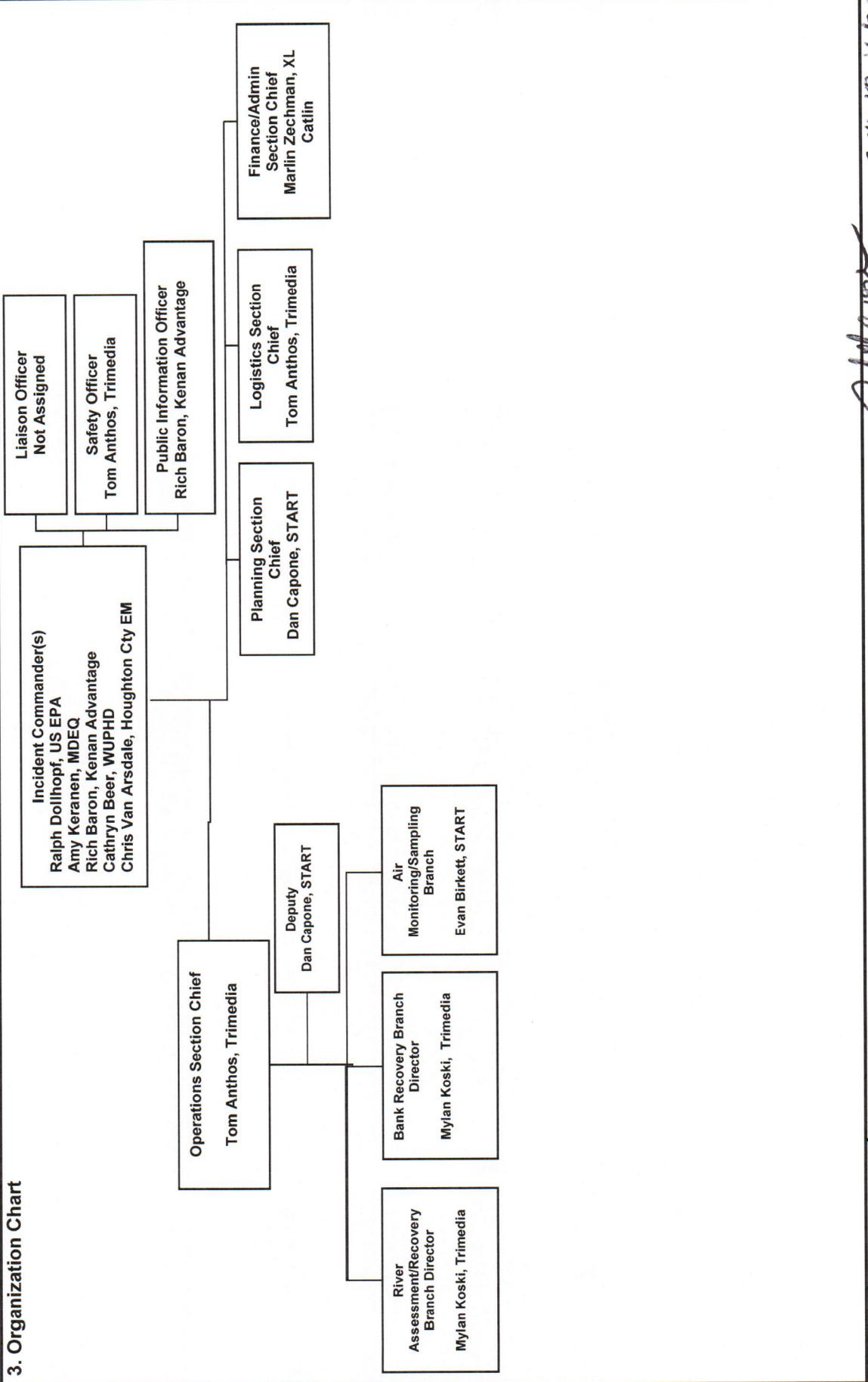
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7. Special Instructions: Report immediately to Ops section Chief and FOSC if LEL exceed 10%, VOCs Exceed 50ppm, or Benzene is detected above 0.1 ppm.																																																									
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6. Work Assignments: Work Area and perimeter monitoring using Area RAEs, Multi-RAE and Ultra-RAE (VOCs, LEL, and Benzene) see map for locations Community Air Monitoring (once per day) using Multi-RAE and Ultra-RAE (VOCs and Benzene) see map for locations Residences Air Monitoring using Multi RAE and Ultra-RAE (VOCs and Benzene) see map for locations. Record all readings and locations for delivery to GIS for updates to daily air monitoring figures																																																									
7. Special Instructions: Report immediately to Ops section Chief and FOSC if LEL exceed 10%, VOCs Exceed 50ppm, or Benzene is detected above 0.1 ppm.																																																									
8. Communications (radio and/or phone contact numbers needed for this assignment): <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 35%;"><u>Name/Function</u></td> <td style="width: 65%;"><u>Primary Contact: indicate cell, pager, or radio (frequency/system/channel)</u></td> </tr> <tr> <td>all parties /</td> <td>contact through numbers listed above</td> </tr> <tr> <td>/</td> <td> </td> </tr> <tr> <td>/</td> <td> </td> </tr> <tr> <td>/</td> <td> </td> </tr> </table>					<u>Name/Function</u>	<u>Primary Contact: indicate cell, pager, or radio (frequency/system/channel)</u>	all parties /	contact through numbers listed above	/		/		/																																												
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9. Prepared by: Name: Dan Capone Position/Title: Planning Section Chief Signature: <i>Dan Capone</i>																																																									
ICS 204	IAP Page 8	Date/Time: 2-11-18 1420 hrs																																																							

Incident Organization Chart (ICS 207)

1. Incident Name: Sturgeon River US-41 Gasoline Release
 2. Operational Period: Date From: 02/12/2018 Date To: 02/12/2018
 Time From: 0830 Time To: 1900



ICS 207 IAP Page 9_ 4. Prepared by: Name: Dan Capone Position/Title: Planning Sec Chief Signature: *[Signature]* Date/Time: 2-11-18 1629 1rs

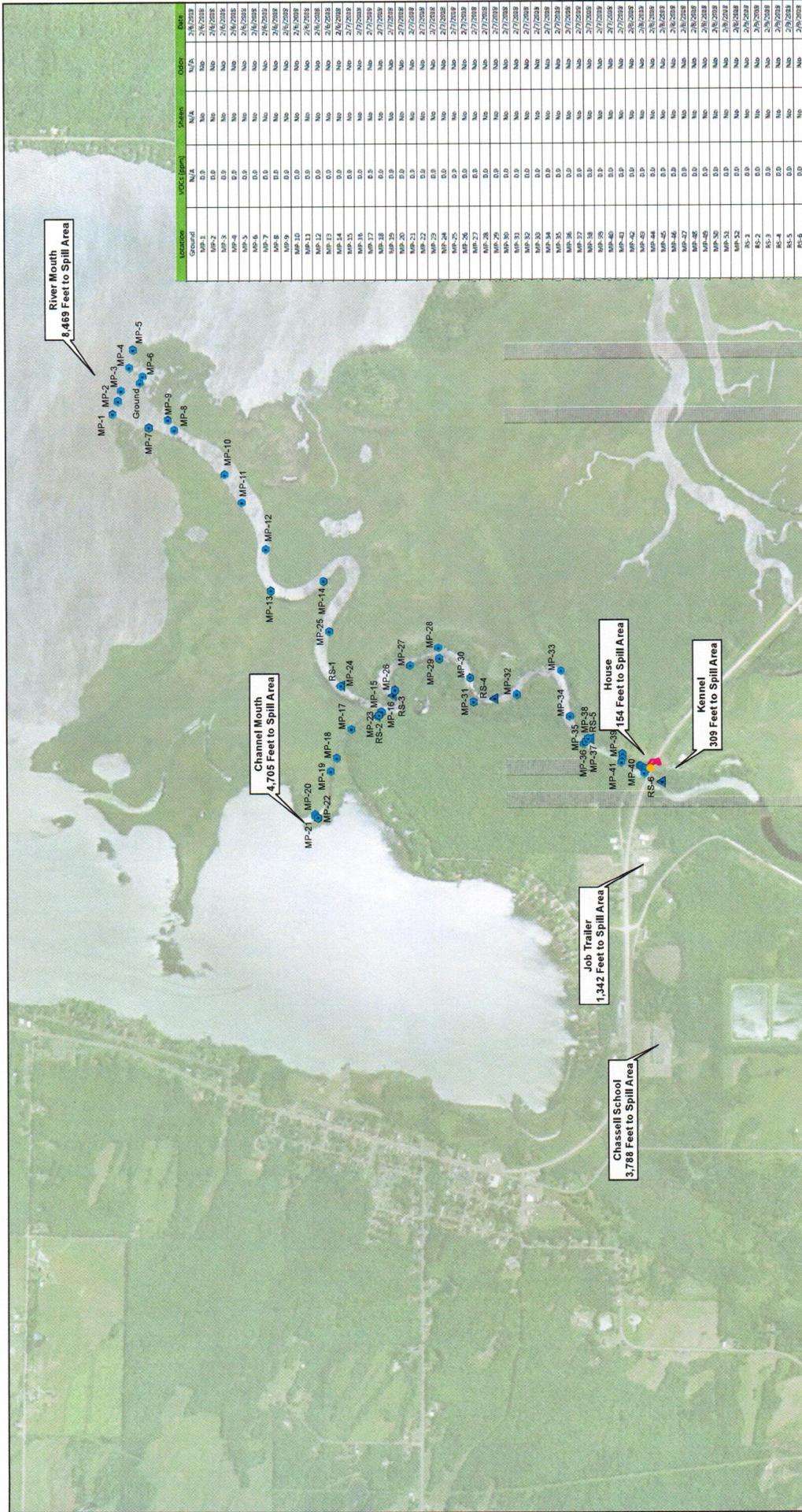
Traffic Control Plan
Sturgeon River US-41 Gasoline Spill
2-12-18

- Truck drivers, flaggers, box-lining staff, and operators will attend an 08:00 (or earlier) safety meeting to go over the haul route, traffic flow, and safety.
- The west driveway will be inbound traffic and the east driveway will be outbound traffic.
- All trucks will stage on the east side of DP Construction's shop.
- Trucks will be going past the office trailer so use caution when entering/exiting the office trailer area.
- Trucks drivers are to stay in their trucks unless they need to use the sanitary facilities adjacent to the office trailer.
- Hans Haapala of B&B Contracting or his designee will direct trucks on when to leave staging and where to go to load.
- During safety meeting, all staff will be informed on modified site parking plan to facilitate loading and excavation activities at spill site.
- Communications will be via cell phone and potentially radio from the staging area to the work site.
- No smoking.
- Last load to landfill will leave the site at 4:30 pm.

Signed:  _____

Date: 2/11/2018

Title: ops Section Chief



Location	USGS Station	Status	GS02	DATE
MP-1	Ground	N/A	N/A	2/6/2018
MP-2	D.P.	N/A	N/A	2/6/2018
MP-3	D.P.	N/A	N/A	2/6/2018
MP-4	D.P.	N/A	N/A	2/6/2018
MP-5	D.P.	N/A	N/A	2/6/2018
MP-6	D.P.	N/A	N/A	2/6/2018
MP-7	D.P.	N/A	N/A	2/6/2018
MP-8	D.P.	N/A	N/A	2/6/2018
MP-9	D.P.	N/A	N/A	2/6/2018
MP-10	D.P.	N/A	N/A	2/6/2018
MP-11	D.P.	N/A	N/A	2/6/2018
MP-12	D.P.	N/A	N/A	2/6/2018
MP-13	D.P.	N/A	N/A	2/6/2018
MP-14	D.P.	N/A	N/A	2/6/2018
MP-15	D.P.	N/A	N/A	2/6/2018
MP-16	D.P.	N/A	N/A	2/6/2018
MP-17	D.P.	N/A	N/A	2/6/2018
MP-18	D.P.	N/A	N/A	2/6/2018
MP-19	D.P.	N/A	N/A	2/6/2018
MP-20	D.P.	N/A	N/A	2/6/2018
MP-21	D.P.	N/A	N/A	2/6/2018
MP-22	D.P.	N/A	N/A	2/6/2018
MP-23	D.P.	N/A	N/A	2/6/2018
MP-24	D.P.	N/A	N/A	2/6/2018
MP-25	D.P.	N/A	N/A	2/6/2018
MP-26	D.P.	N/A	N/A	2/6/2018
MP-27	D.P.	N/A	N/A	2/6/2018
MP-28	D.P.	N/A	N/A	2/6/2018
MP-29	D.P.	N/A	N/A	2/6/2018
MP-30	D.P.	N/A	N/A	2/6/2018
MP-31	D.P.	N/A	N/A	2/6/2018
MP-32	D.P.	N/A	N/A	2/6/2018
MP-33	D.P.	N/A	N/A	2/6/2018
MP-34	D.P.	N/A	N/A	2/6/2018
MP-35	D.P.	N/A	N/A	2/6/2018
MP-36	D.P.	N/A	N/A	2/6/2018
MP-37	D.P.	N/A	N/A	2/6/2018
MP-38	D.P.	N/A	N/A	2/6/2018
MP-39	D.P.	N/A	N/A	2/6/2018
MP-40	D.P.	N/A	N/A	2/6/2018
MP-41	D.P.	N/A	N/A	2/6/2018
MP-42	D.P.	N/A	N/A	2/6/2018
MP-43	D.P.	N/A	N/A	2/6/2018
MP-44	D.P.	N/A	N/A	2/6/2018
MP-45	D.P.	N/A	N/A	2/6/2018
MP-46	D.P.	N/A	N/A	2/6/2018
MP-47	D.P.	N/A	N/A	2/6/2018
MP-48	D.P.	N/A	N/A	2/6/2018
MP-49	D.P.	N/A	N/A	2/6/2018
MP-50	D.P.	N/A	N/A	2/6/2018
MP-51	D.P.	N/A	N/A	2/6/2018
MP-52	D.P.	N/A	N/A	2/6/2018
MP-53	D.P.	N/A	N/A	2/6/2018
MP-54	D.P.	N/A	N/A	2/6/2018
MP-55	D.P.	N/A	N/A	2/6/2018
MP-56	D.P.	N/A	N/A	2/6/2018
MP-57	D.P.	N/A	N/A	2/6/2018
MP-58	D.P.	N/A	N/A	2/6/2018
MP-59	D.P.	N/A	N/A	2/6/2018
MP-60	D.P.	N/A	N/A	2/6/2018
MP-61	D.P.	N/A	N/A	2/6/2018
MP-62	D.P.	N/A	N/A	2/6/2018
MP-63	D.P.	N/A	N/A	2/6/2018
MP-64	D.P.	N/A	N/A	2/6/2018
MP-65	D.P.	N/A	N/A	2/6/2018
MP-66	D.P.	N/A	N/A	2/6/2018
MP-67	D.P.	N/A	N/A	2/6/2018
MP-68	D.P.	N/A	N/A	2/6/2018
MP-69	D.P.	N/A	N/A	2/6/2018
MP-70	D.P.	N/A	N/A	2/6/2018
MP-71	D.P.	N/A	N/A	2/6/2018
MP-72	D.P.	N/A	N/A	2/6/2018
MP-73	D.P.	N/A	N/A	2/6/2018
MP-74	D.P.	N/A	N/A	2/6/2018
MP-75	D.P.	N/A	N/A	2/6/2018
MP-76	D.P.	N/A	N/A	2/6/2018
MP-77	D.P.	N/A	N/A	2/6/2018
MP-78	D.P.	N/A	N/A	2/6/2018
MP-79	D.P.	N/A	N/A	2/6/2018
MP-80	D.P.	N/A	N/A	2/6/2018
MP-81	D.P.	N/A	N/A	2/6/2018
MP-82	D.P.	N/A	N/A	2/6/2018
MP-83	D.P.	N/A	N/A	2/6/2018
MP-84	D.P.	N/A	N/A	2/6/2018
MP-85	D.P.	N/A	N/A	2/6/2018
MP-86	D.P.	N/A	N/A	2/6/2018
MP-87	D.P.	N/A	N/A	2/6/2018
MP-88	D.P.	N/A	N/A	2/6/2018
MP-89	D.P.	N/A	N/A	2/6/2018
MP-90	D.P.	N/A	N/A	2/6/2018
MP-91	D.P.	N/A	N/A	2/6/2018
MP-92	D.P.	N/A	N/A	2/6/2018
MP-93	D.P.	N/A	N/A	2/6/2018
MP-94	D.P.	N/A	N/A	2/6/2018
MP-95	D.P.	N/A	N/A	2/6/2018
MP-96	D.P.	N/A	N/A	2/6/2018
MP-97	D.P.	N/A	N/A	2/6/2018
MP-98	D.P.	N/A	N/A	2/6/2018
MP-99	D.P.	N/A	N/A	2/6/2018
MP-100	D.P.	N/A	N/A	2/6/2018

Map Location

Legend

- Spill Area
- On River Product Assessment Locations
- River Sample - Water Column
- Soil Sample

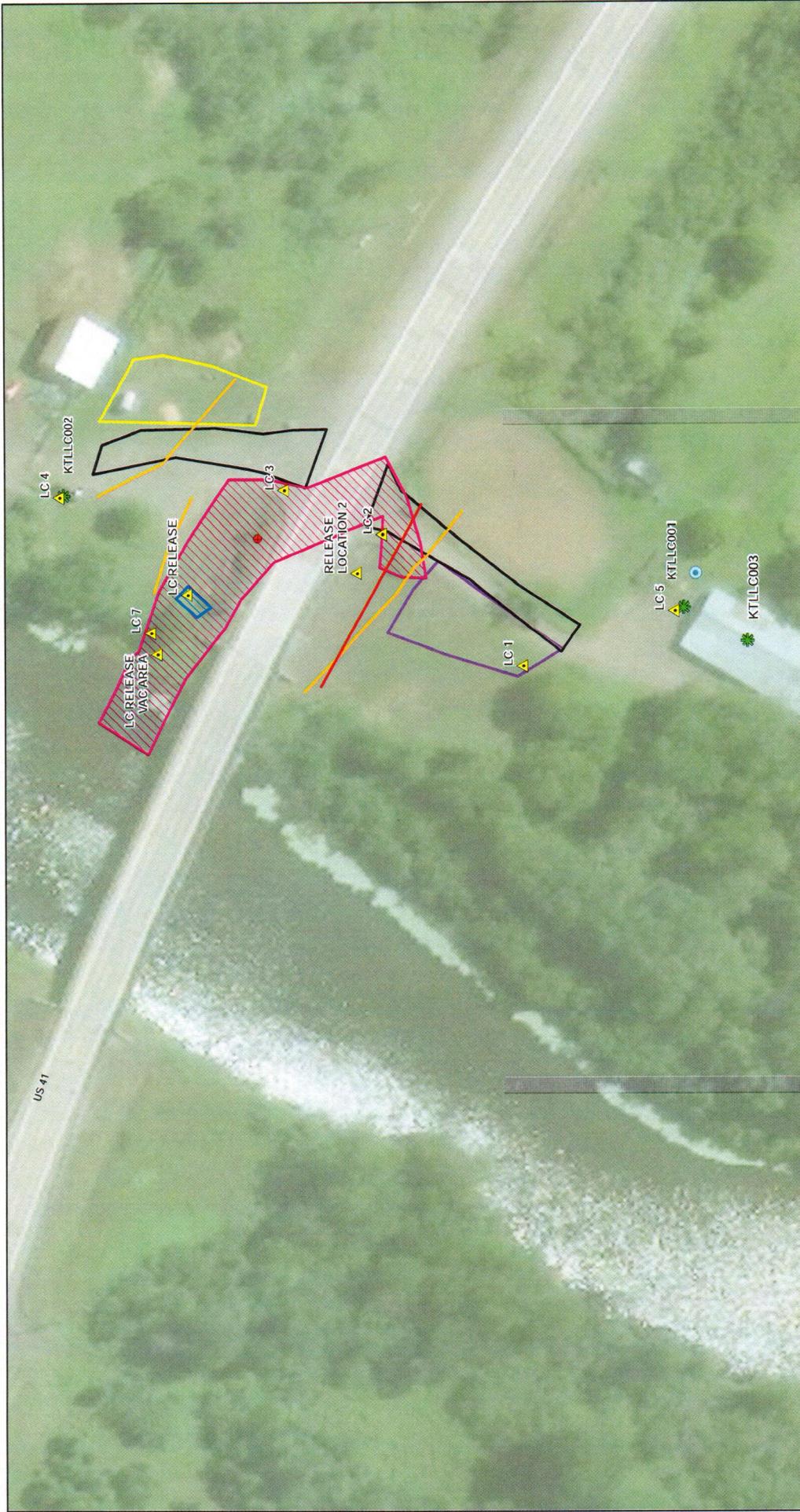
0 625 1,250 2,500 Feet

FIGURE 2
STURGEON RIVER US 41 GASOLINE SPILL
ON RIVER ASSESSMENT
SHEET 1 OF 1

TRIMEDIA
ENVIRONMENTAL & ENGINEERING

Drawn: KGK 2/10/2018
Approved: TLA 2/10/2018

Project #: 2018-024



		Map Location 		Legend <ul style="list-style-type: none"> Air Monitoring Location (TMEE) Air Monitoring Tanker Crash Location Water Sample Air Sample Location Water Walk Overhead Power Underground Television; Underground Fiber Optic Excavation Soil Stockpile Spill Area Driveway Equipment Parking Site Parking 	
Drawn: KGK	2/10/2018	FIGURE 1 STURGEON RIVER US 41 GASOLINE SPILL FEBRUARY 10, 2018 SHEET 2 OF 4			
Approved: TLA	2/10/2018				
Project #: 2018-024					