

1. Incident Name: Sturgeon River US-41 Gasoline Spill	2. Operational Period: Starting: February 10, 2018, 0830 End: February 10, 2018, 1900	IAP Cover Sheet
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3. Approved by Incident Commander(s):

Ralph Dollhopf **Ralph Dollhopf, U.S. EPA** *2-9-18 1700*

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)



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

INCIDENT OBJECTIVES (ICS 202)

1. Incident Name: Sturgeon River US-41 Gasoline Spill	2. Operational Period: Date From: 2-10-18 Time From: 08:30	Date To: 2-10-18 Time To: 19:00													
3. Objective(s): Protect public safety. Protect worker safety. Recover product from the river. Remove product spilled onto the land. Assess potential down river impacts. Develop Work Plan for all elements of long-term recovery phase.															
4. Operational Period Command Emphasis: Continue additional air monitoring in residential areas. Continue assessment of river for gasoline below the ice. Monitor and recover gasoline on the ice or outside of the sheet piling. Continue excavation and hauling impacted soil from spill source area along both sides and under bridge. Begin consideration of intermediate engineering controls for dual phase containment and recovery of spilled product around and under bridge.															
General Situational Awareness Product recovery from the banks along both sides of the bridge continues. Public health considerations are ongoing. River assessment is ongoing.															
5. Site Safety Plan Required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 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): <table style="width: 100%;"> <tr> <td><input checked="" type="checkbox"/> ICS 202</td> <td><input type="checkbox"/> ICS 206</td> <td rowspan="6"> Other Attachments: <input checked="" type="checkbox"/> Traffic Control Plan <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> </td> </tr> <tr> <td><input checked="" type="checkbox"/> ICS 203</td> <td><input type="checkbox"/> ICS 207</td> </tr> <tr> <td><input checked="" type="checkbox"/> ICS 204</td> <td><input type="checkbox"/> ICS 208</td> </tr> <tr> <td><input type="checkbox"/> ICS 205</td> <td><input checked="" type="checkbox"/> Map/Chart</td> </tr> <tr> <td><input type="checkbox"/> ICS 205A</td> <td><input type="checkbox"/> Weather Forecast/Tides/Currents</td> </tr> <tr> <td colspan="2"></td> </tr> </table>			<input checked="" type="checkbox"/> ICS 202	<input type="checkbox"/> ICS 206	Other Attachments: <input checked="" type="checkbox"/> Traffic Control Plan <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> ICS 203	<input type="checkbox"/> ICS 207	<input checked="" type="checkbox"/> ICS 204	<input type="checkbox"/> ICS 208	<input type="checkbox"/> ICS 205	<input checked="" type="checkbox"/> Map/Chart	<input type="checkbox"/> ICS 205A	<input type="checkbox"/> Weather Forecast/Tides/Currents		
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7. Prepared by: Name: Dan Capone Position/Title: Planning Section Chief Signature: <i>Dan Capone</i>															
8. Approved by Incident Commander: Name: OSC Ralph Dollhopf Signature: <i>Ralph Dollhopf</i>															
ICS 202	IAP Page 2	Date/Time: 1700 / 2-9-18													

ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name: Sturgeon River US-41 Gasoline Spill		2. Operational Period: Date From: 2-10-18 Time From: 0830		Date To: 2-10-18 Time To: 1900	
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:		Division/Group	Assessment	906-360-4027	
Agency/Organization	Name	Division/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	James Deliefde	734-277-7103	
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	Ashley Miller	330-646-7870	
Technical Specialists		Deputy			
		Division/Group	TriMedia	906-360-0024	
		Division/Group	EPA START	330-646-7870	
		Division/Group			
		Division/Group			
		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>[Signature]</i>			
ICS 203	IAP Page 3	Date/Time: 2-9-18 1630			

ASSIGNMENT LIST (ICS 204)

1. Incident Name: Sturgeon River US-41 Gasoline Spill		2. Operational Period: Date From: 2-10-18 Date To: 2-10-18 Time From: 0830 Time To: 1900		3. Branch: Bank Recovery Division: Group: Staging Area:																																																				
4. Operations Personnel: <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Name</th> <th style="text-align: left; border-bottom: 1px solid black;">Contact Number(s)</th> </tr> <tr> <td>Operations Section Chief: Tom Anthos</td> <td>906-360-1545</td> </tr> <tr> <td>Branch Director: James Dellefde</td> <td>734-277-7103</td> </tr> <tr> <td colspan="2">Division/Group Supervisor: _____</td> </tr> </table>				Name	Contact Number(s)	Operations Section Chief: Tom Anthos	906-360-1545	Branch Director: James Dellefde	734-277-7103	Division/Group Supervisor: _____		Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information																																												
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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 Remove surface impacted materials and impacted ice with long stick excavator (if needed) 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 high potential for increased VOC vapors during excavation and loading activities will continue to be a concern and will be monitored.																																																								
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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															
7. Special Instructions: Discuss water evacuation and warming plan in the event of ice rescue															
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6. Work Assignments: Work Area monitoring using Multi-RAE and Ultra-RAE (VOCs, LEL, and Benzene) see map for locations Perimeter Monitoring using Multi-RAE and Ultra-RAE (VOCs and Benzene) see map for locations Community Air Monitoring using Multi-RAE and Ultra-RAE (VOCs and Benzene) see map for locations Community Air Sampling (Summa cans at both residential dwellings) 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.																																																										
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9. Prepared by: Name: <u>Dan Capone</u> Position/Title: <u>Planning Section Chief</u> Signature: <u>[Signature]</u>																																																										
ICS 204		IAP Page <u>7</u>		Date/Time: <u>2-9-18 1630</u>																																																						

ASSIGNMENT LIST (ICS 204)

1. Incident Name: Sturgeon River US-41 Gasoline Spill		2. Operational Period: Date From: 2-10-18 Date To: 2-10-18 Time From: 08:30 Time To: 19:00		3. Branch: Air Mon & Sample Division: Group: EPA-START Staging Area:							
4. Operations Personnel: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;"><u>Name</u></td> <td style="width: 40%;"><u>Contact Number(s)</u></td> </tr> <tr> <td>Operations Section Chief: Tom Anthos 908-360-1545</td> <td></td> </tr> <tr> <td>Branch Director: Ashley Miller 330-646-7870</td> <td></td> </tr> <tr> <td>Division/Group Supervisor: Ashley Miller 330-646-7870</td> <td></td> </tr> </table>				<u>Name</u>	<u>Contact Number(s)</u>	Operations Section Chief: Tom Anthos 908-360-1545		Branch Director: Ashley Miller 330-646-7870		Division/Group Supervisor: Ashley Miller 330-646-7870	
<u>Name</u>	<u>Contact Number(s)</u>										
Operations Section Chief: Tom Anthos 908-360-1545											
Branch Director: Ashley Miller 330-646-7870											
Division/Group Supervisor: Ashley Miller 330-646-7870											
5. Resources Assigned:		# of Persons	Contact (e.g., phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information							
Resource Identifier	Leader										
Ashley Miller	EPA START		330-646-7870	Spill site							
Evan Birkett	EPASTART		734-536-3292	Spill Site							

6. Work Assignments:
 Work Area monitoring using Multi-RAE and Ultra-RAE (VOCs, LEL, and Benzene) see map for locations
 Perimeter Monitoring using Area RAEs, Multi-RAE, and Ultra-RAE (VOCs and Benzene) see map for locations
 Community Air Monitoring using Area RAEs, 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):

<u>Name/Function</u>	<u>Primary Contact: indicate cell, pager, or radio (frequency/system/channel)</u>
all parties /	contact through numbers listed above
/	
/	
/	

9. Prepared by: Name: Dan Capone Position/Title: Planning Section Chief Signature: [Signature]

ICS 204
IAP Page 8
Date/Time: 2-9-18 1630

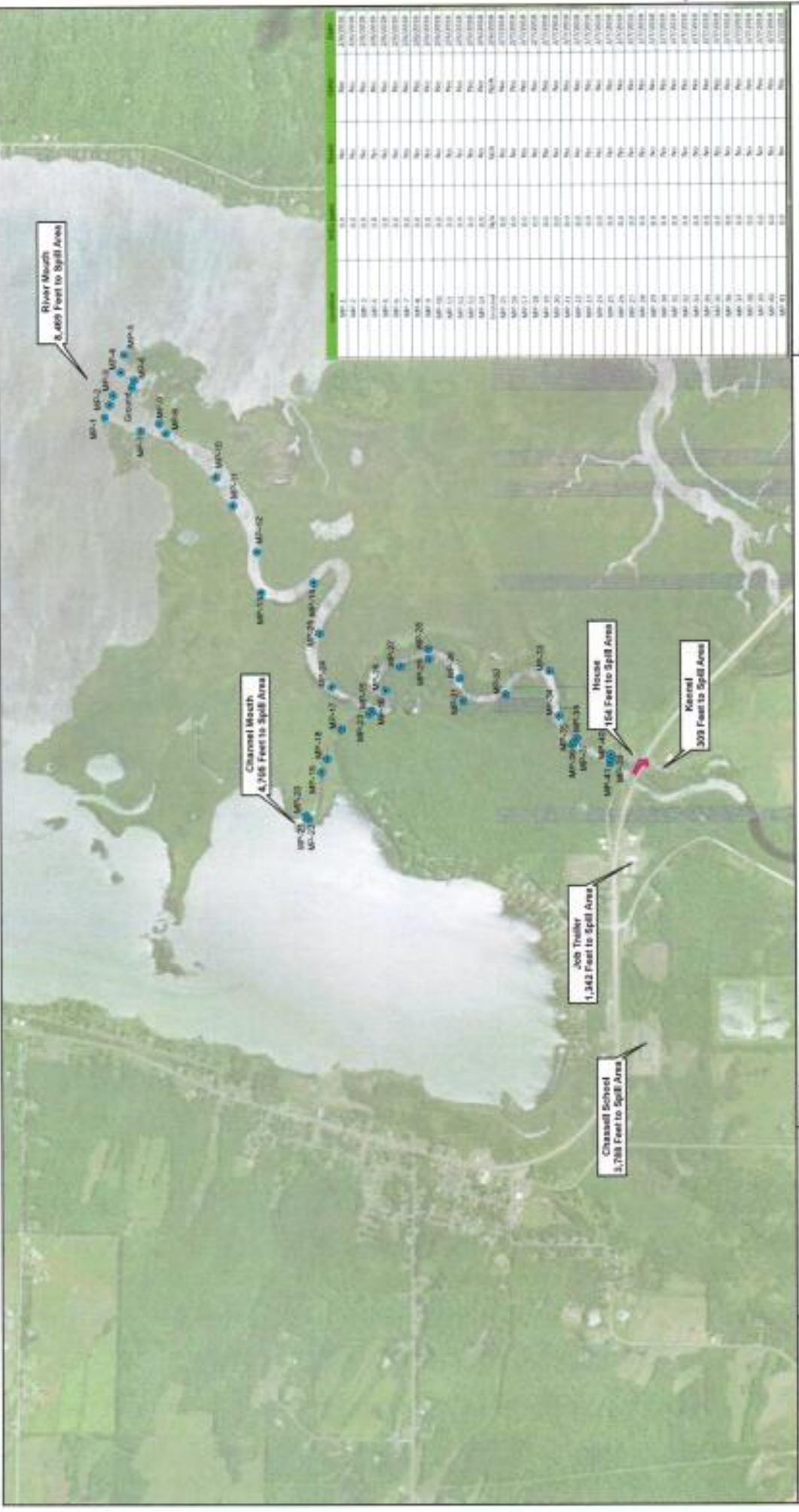
Traffic Control Plan
Sturgeon River US-41 Gasoline Spill
2-10-18

- 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 will leave the site at 4:30 pm.

Signed: _____

Title: ops section chief

Date: 2/9/18



Point	Distance (Feet)	Product	Assessment Date	Assessment Status
MP-1	1,342	Gasoline	2/7/2018	Completed
MP-2	1,342	Gasoline	2/7/2018	Completed
MP-3	1,342	Gasoline	2/7/2018	Completed
MP-4	1,342	Gasoline	2/7/2018	Completed
MP-5	1,342	Gasoline	2/7/2018	Completed
MP-6	1,342	Gasoline	2/7/2018	Completed
MP-7	1,342	Gasoline	2/7/2018	Completed
MP-8	1,342	Gasoline	2/7/2018	Completed
MP-9	1,342	Gasoline	2/7/2018	Completed
MP-10	1,342	Gasoline	2/7/2018	Completed
MP-11	1,342	Gasoline	2/7/2018	Completed
MP-12	1,342	Gasoline	2/7/2018	Completed
MP-13	1,342	Gasoline	2/7/2018	Completed
MP-14	1,342	Gasoline	2/7/2018	Completed
MP-15	1,342	Gasoline	2/7/2018	Completed
MP-16	1,342	Gasoline	2/7/2018	Completed
MP-17	1,342	Gasoline	2/7/2018	Completed
MP-18	1,342	Gasoline	2/7/2018	Completed
MP-19	1,342	Gasoline	2/7/2018	Completed
MP-20	1,342	Gasoline	2/7/2018	Completed
MP-21	1,342	Gasoline	2/7/2018	Completed
MP-22	1,342	Gasoline	2/7/2018	Completed
MP-23	1,342	Gasoline	2/7/2018	Completed
MP-24	1,342	Gasoline	2/7/2018	Completed
MP-25	1,342	Gasoline	2/7/2018	Completed
MP-26	1,342	Gasoline	2/7/2018	Completed
MP-27	1,342	Gasoline	2/7/2018	Completed
MP-28	1,342	Gasoline	2/7/2018	Completed
MP-29	1,342	Gasoline	2/7/2018	Completed
MP-30	1,342	Gasoline	2/7/2018	Completed
MP-31	1,342	Gasoline	2/7/2018	Completed
MP-32	1,342	Gasoline	2/7/2018	Completed
MP-33	1,342	Gasoline	2/7/2018	Completed
MP-34	1,342	Gasoline	2/7/2018	Completed
MP-35	1,342	Gasoline	2/7/2018	Completed
MP-36	1,342	Gasoline	2/7/2018	Completed
MP-37	1,342	Gasoline	2/7/2018	Completed
MP-38	1,342	Gasoline	2/7/2018	Completed
MP-39	1,342	Gasoline	2/7/2018	Completed
MP-40	1,342	Gasoline	2/7/2018	Completed
MP-41	1,342	Gasoline	2/7/2018	Completed
MP-42	1,342	Gasoline	2/7/2018	Completed
MP-43	1,342	Gasoline	2/7/2018	Completed
MP-44	1,342	Gasoline	2/7/2018	Completed
MP-45	1,342	Gasoline	2/7/2018	Completed
MP-46	1,342	Gasoline	2/7/2018	Completed
MP-47	1,342	Gasoline	2/7/2018	Completed
MP-48	1,342	Gasoline	2/7/2018	Completed
MP-49	1,342	Gasoline	2/7/2018	Completed
MP-50	1,342	Gasoline	2/7/2018	Completed
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MP-66	1,342	Gasoline	2/7/2018	Completed
MP-67	1,342	Gasoline	2/7/2018	Completed
MP-68	1,342	Gasoline	2/7/2018	Completed
MP-69	1,342	Gasoline	2/7/2018	Completed
MP-70	1,342	Gasoline	2/7/2018	Completed
MP-71	1,342	Gasoline	2/7/2018	Completed
MP-72	1,342	Gasoline	2/7/2018	Completed
MP-73	1,342	Gasoline	2/7/2018	Completed
MP-74	1,342	Gasoline	2/7/2018	Completed
MP-75	1,342	Gasoline	2/7/2018	Completed
MP-76	1,342	Gasoline	2/7/2018	Completed
MP-77	1,342	Gasoline	2/7/2018	Completed
MP-78	1,342	Gasoline	2/7/2018	Completed
MP-79	1,342	Gasoline	2/7/2018	Completed
MP-80	1,342	Gasoline	2/7/2018	Completed
MP-81	1,342	Gasoline	2/7/2018	Completed
MP-82	1,342	Gasoline	2/7/2018	Completed
MP-83	1,342	Gasoline	2/7/2018	Completed
MP-84	1,342	Gasoline	2/7/2018	Completed
MP-85	1,342	Gasoline	2/7/2018	Completed
MP-86	1,342	Gasoline	2/7/2018	Completed
MP-87	1,342	Gasoline	2/7/2018	Completed
MP-88	1,342	Gasoline	2/7/2018	Completed
MP-89	1,342	Gasoline	2/7/2018	Completed
MP-90	1,342	Gasoline	2/7/2018	Completed
MP-91	1,342	Gasoline	2/7/2018	Completed
MP-92	1,342	Gasoline	2/7/2018	Completed
MP-93	1,342	Gasoline	2/7/2018	Completed
MP-94	1,342	Gasoline	2/7/2018	Completed
MP-95	1,342	Gasoline	2/7/2018	Completed
MP-96	1,342	Gasoline	2/7/2018	Completed
MP-97	1,342	Gasoline	2/7/2018	Completed
MP-98	1,342	Gasoline	2/7/2018	Completed
MP-99	1,342	Gasoline	2/7/2018	Completed
MP-100	1,342	Gasoline	2/7/2018	Completed

Drawn: ESN 2/7/2018
 Approved: MAK 2/7/2018
 Project #: 2018-024

Map Location

Legend

- Spill Area
- On River Product Assessment Locations

FIGURE 2
 STURGEON RIVER US 41 GASOLINE SPILL
 SPILL AREA DISTANCES & RIVER ASSESSMENT
 SHEET 1 OF 1