

1. Incident Name: Sturgeon River US-41 Gasoline Spill	2. Operational Period: Starting: February 7, 2018, 0830 End: February 7, 2018, 1900	IAP Cover Sheet
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3. Approved by Incident Commander(s):

[Signature] **Ralph Dollhopf, U.S. EPA** 2-7-18

[Signature] **Amy Keranen, Michigan Department of Environmental Quality**

[Signature] **Rich Baron, Legal Counsel for Klemm**

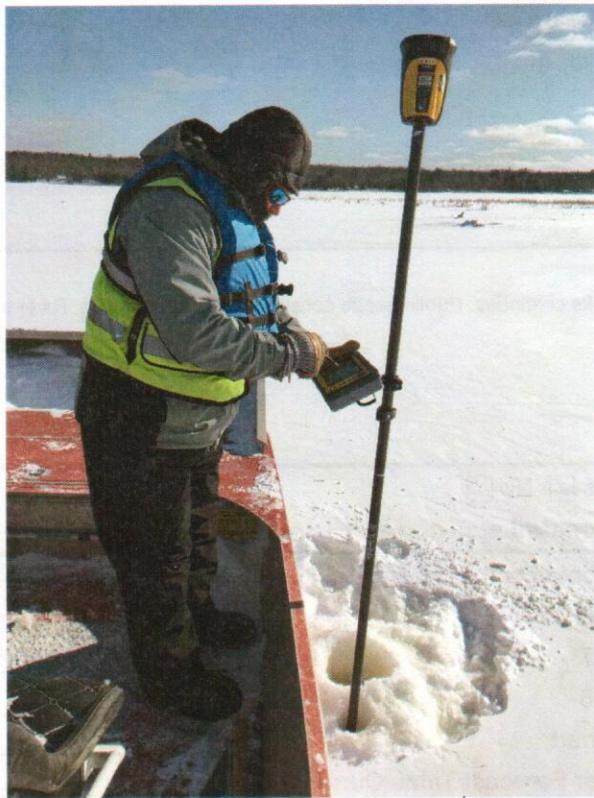
[Signature] **Stephanie Bliss, WUPHD**

[Signature] **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: Jed Chrestensen Position/Title: Planning Section Chief Signature: *[Signature]*

INCIDENT OBJECTIVES (ICS 202)

1. Incident Name: Sturgeon River US-41 Gasoline Spill	2. Operational Period: Date From: 2-7-18 Time From: 08:30	Date To: 2-7-18 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.					
4. Operational Period Command Emphasis: Continue additional air monitoring in residential areas. Continue assessment of river for gasoline below the ice. Continue removal of gasoline from on the ice. Begin hauling impacted soil. Continue to evolve ICS.					
General Situational Awareness Product recovery from on the ice and the banks continues. Public health considerations are ongoing. River assessment is underway.					
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%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input checked="" type="checkbox"/> ICS 202 <input checked="" type="checkbox"/> ICS 203 <input checked="" type="checkbox"/> ICS 204 <input type="checkbox"/> ICS 205 <input type="checkbox"/> ICS 205A </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ICS 206 <input type="checkbox"/> ICS 207 <input type="checkbox"/> ICS 208 <input checked="" type="checkbox"/> Map/Chart <input type="checkbox"/> Weather Forecast/Tides/Currents </td> <td style="width: 33%; vertical-align: top;"> Other Attachments: <input checked="" type="checkbox"/> Traffic Control Plan <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> </td> </tr> </table>			<input checked="" type="checkbox"/> ICS 202 <input checked="" type="checkbox"/> ICS 203 <input checked="" type="checkbox"/> ICS 204 <input type="checkbox"/> ICS 205 <input type="checkbox"/> ICS 205A	<input type="checkbox"/> ICS 206 <input type="checkbox"/> ICS 207 <input type="checkbox"/> ICS 208 <input checked="" type="checkbox"/> Map/Chart <input type="checkbox"/> Weather Forecast/Tides/Currents	Other Attachments: <input checked="" type="checkbox"/> Traffic Control Plan <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
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7. Prepared by: Name: Jed Chrestensen Position/Title: Planning Section Chief Signature:					
8. Approved by Incident Commander: Name: OSC Ralph Dollhopf Signature:					
ICS 202	IAP Page 2 of 8	Date/Time: 2-7-18 0911			

ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name: Sturgeon River US-41 Gasoline Spill		2. Operational Period: Date From: 2-7-18 Time From: 08:30		Date To: 2-7-18 Time To: 19:00															
3. Incident Commander(s)/ Agency Incident Coordinator and Command Staff: (include location) <input type="checkbox"/> IMT IC/UCs Unified Command <input type="checkbox"/> IMG AIC Deputy Safety Officer Tom Anthos 906-360-1545 Public Info. Officer Liaison Officer			7. Operations Section: Chief Tom Anthos 906-360-1545 Deputy Jed Chrestensen 906-281-4726 Staging Area Branch River Assessment and Recovery Branch Director Mylan Koski 906-360-4027 Deputy Brandon Ray 269-719-5541 Division/Group Assessment 906-360-4027 Division/Group Recovery 269-719-5541 Branch B a n k R e c o v e r y Branch Director James Deliefde 734-277-7103 Deputy Division/Group Division/Group Division/Group Division/Group Branch Air Monitoring and Sampling Branch Director Ashley Miller 330-646-7870 Deputy Division/Group TriMedia 906-360-0024 Division/Group EPA START 330-646-7870 Division/Group Division/Group																
4. Agency/Organization Representatives: <table style="width: 100%;"> <tr> <th style="width: 20%;">Agency/Organization</th> <th style="width: 80%;">Name</th> </tr> <tr> <td>USEPA</td> <td>Ralph Dollhopf 231-301-0559</td> </tr> <tr> <td>MDEQ</td> <td>Amy Keranen 906-231-6060</td> </tr> <tr> <td>TriMedia</td> <td>Tom Anthos 906-360-1545</td> </tr> <tr> <td>Klem Counsel</td> <td>Richard Baron 248-310-9720</td> </tr> <tr> <td>WUPHD</td> <td>Kate Beer 906-201-2342</td> </tr> <tr> <td>Houghton County EM</td> <td>Chris Van Arsdale 906-281-8170</td> </tr> </table>			Agency/Organization	Name	USEPA	Ralph Dollhopf 231-301-0559	MDEQ	Amy Keranen 906-231-6060	TriMedia	Tom Anthos 906-360-1545	Klem Counsel	Richard Baron 248-310-9720	WUPHD	Kate Beer 906-201-2342	Houghton County EM	Chris Van Arsdale 906-281-8170			
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5. Planning Section: Chief Jed Chrestensen 906-281-4726 Deputy Resources Unit Situation Unit Documentation Unit Demobilization Unit Technical Specialists																			
6. Logistics Section: Chief Tom Anthos 906-360-1545 Deputy Support Branch Director Supply Unit Facilities Unit Traffic Control-Hans Haapala Ground Support Unit Service Branch Director Communications Unit Medical Unit Food Unit																			
			8. Finance/Administration Section: Chief Marlin Zechman 610-968-9500 Deputy Time Unit Procurement Unit Comp/Claims Unit Cost Unit																
9. Prepared by: Name: Jed Chrestensen Position/Title: Planning Section Chief Signature:																			
ICS 203		IAP Page 3 of 8		Date/Time: 2/7/18 09:00															

ASSIGNMENT LIST (ICS 204)

1. Incident Name: Sturgeon River US-41 Gasoline Spill		2. Operational Period: Date From: 2-7-18 Date To: 2-7-18 Time From: 08:30 Time To: 19:00		3. Branch: Bank Recovery Division: Group: Staging Area:																																																						
4. Operations Personnel: <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 60%; text-align: left;"><u>Name</u></th> <th style="width: 40%; text-align: left;"><u>Contact Number(s)</u></th> </tr> <tr> <td>Operations Section Chief: Tom Anthos 906-360-1545</td> <td></td> </tr> <tr> <td>Branch Director: James Deliefde 734-277-7103</td> <td></td> </tr> <tr> <td>Division/Group Supervisor:</td> <td></td> </tr> </table>				<u>Name</u>	<u>Contact Number(s)</u>	Operations Section Chief: Tom Anthos 906-360-1545		Branch Director: James Deliefde 734-277-7103		Division/Group Supervisor:																																																
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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 be a concern and will be monitored																																																										
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Jed Chrestensen	EPA START		906-281-4726												
Kodi Harkins	SWAT														
Chris Tiede	TriMedia Safety		906-235-8148												
Bootjack Fire Dept	Mark Serotzke		815-739-5193												
Mylan Koski	TriMedia Field Ops		906-360-4027												
6. Work Assignments: Prep air boat Coordinate with Bootjack Fire Dept with recovery craft in the event of a rescue Lead recon team downriver to assess plume leading edge - Start where previous work left off (confluence) (2pm start time) Auger holes down river and perform visual and PID monitoring to assess migration path Document all assessment locations with GPS to populate GIS Figure															
7. Special Instructions: Discuss water evacuation and warming plan in the event of ice rescue Appropriate dress and PPE for the task															
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6. Work Assignments: Discuss sequencing with Team and Excavator operator Slot Ice and install boom curtain at western edge and northern edge of surface ice impact area Continue recovery of impacted surface material and surface ice with long stick excavator Continue to remove impacted water with Vac Truck, if present Work with landward operators to remove surface impacted materials from ice near spill area																																																										
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Cordell Renner	EPA START		847-913-2904	Spill Site																																																											
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: <u>Jed Chrestensen</u> Position/Title: <u>Planning Section Chief</u> Signature:																																																															
ICS 204	IAP Page 8 of 8	Date/Time: <u>2-7-18</u> <u>09:00</u>																																																													

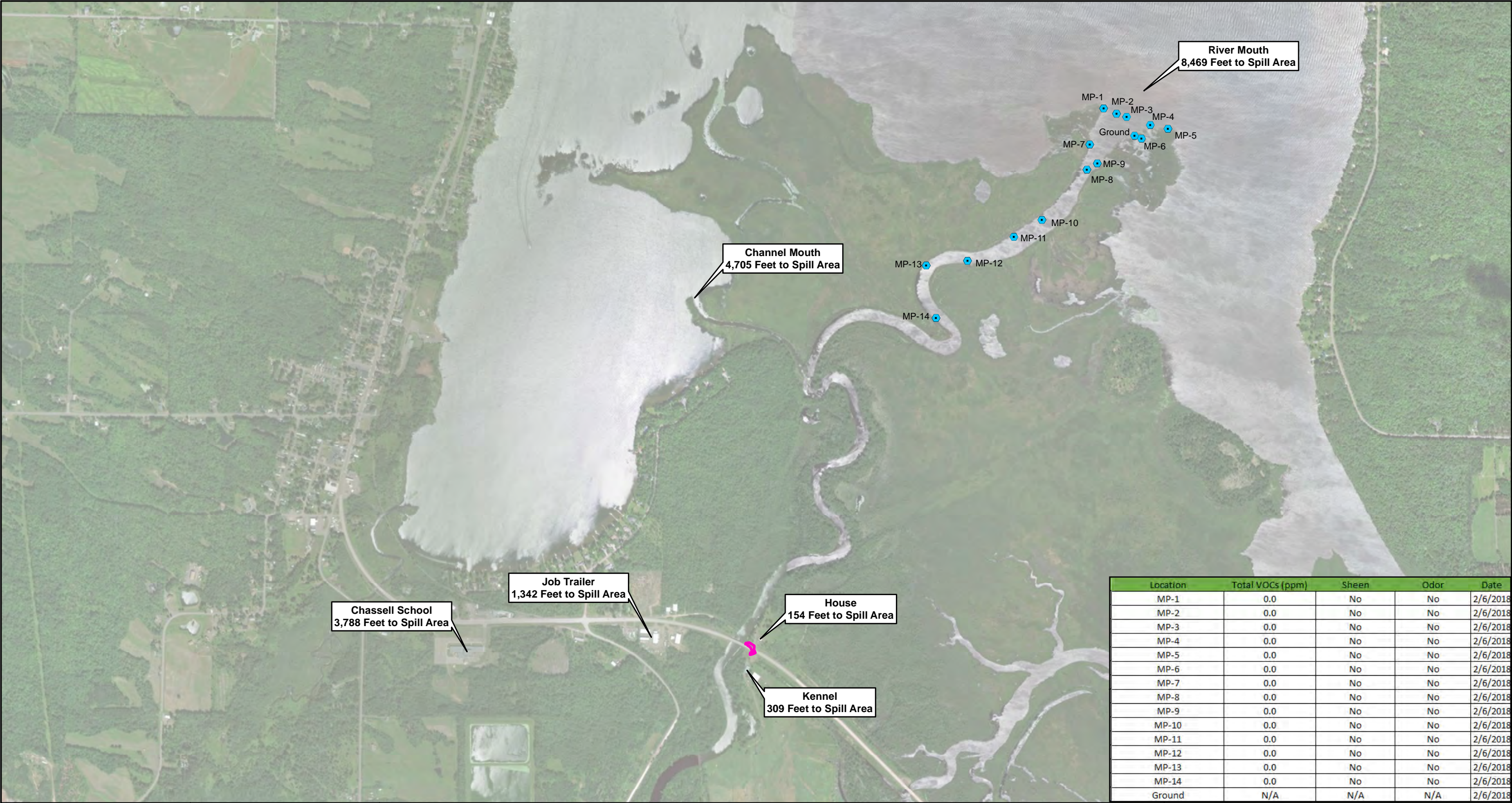
Traffic Control Plan
Sturgeon River US-41 Gasoline Spill
2-7-18

- Truck drivers, flaggers, box-lining staff, and operators attended an 08:00 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.
- Communications will be via cell phone from the staging area to the work site.
- Chassell Township School was notified of the expected traffic increase. The school will send a notice to parents.
- Busses load at the school at approximately 3:20 pm and there are several students who walk home from school during that time period. Hans Haapala will notify all drivers of the school schedule.
- Last load will leave the site at 3pm.


Signed: _____


OPS SECTION MANAGER
Tom Anttos

Date: 2/7/2018




Location	Total VOCs (ppm)	Sheen	Odor	Date
MP-1	0.0	No	No	2/6/2018
MP-2	0.0	No	No	2/6/2018
MP-3	0.0	No	No	2/6/2018
MP-4	0.0	No	No	2/6/2018
MP-5	0.0	No	No	2/6/2018
MP-6	0.0	No	No	2/6/2018
MP-7	0.0	No	No	2/6/2018
MP-8	0.0	No	No	2/6/2018
MP-9	0.0	No	No	2/6/2018
MP-10	0.0	No	No	2/6/2018
MP-11	0.0	No	No	2/6/2018
MP-12	0.0	No	No	2/6/2018
MP-13	0.0	No	No	2/6/2018
MP-14	0.0	No	No	2/6/2018
Ground	N/A	N/A	N/A	2/6/2018





Drawn: ESN 2/6/2018
Approved: MAK 2/6/2018
Project #: 2018-024

Map Location



Legend

 Spill Area
 On River Product Assessment Locations

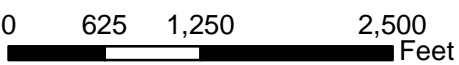



FIGURE 2
STURGEON RIVER US 41 GASOLINE SPILL
SPILL AREA DISTANCES & RIVER ASSESSMENT
SHEET 1 OF 1