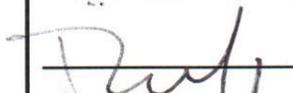
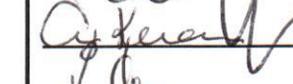


1. Incident Name: Sturgeon River US-41 Gasoline Spill	2. Operational Period: Starting: February 7, 2018, 0830 End: February 7, 2018, 1900	IAP Cover Sheet
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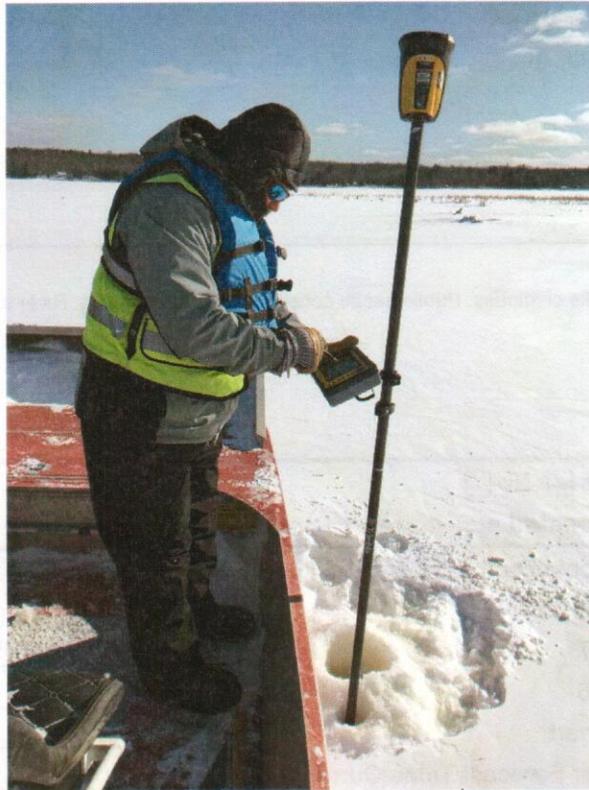
3. Approved by Incident Commander(s):

 **Ralph Dollhopf, U.S. EPA** 2-7-18
 **Amy Keranen, Michigan Department of Environmental Quality**
 **Rich Baron, Legal Counsel for Klemm**
 **Stephanie Bliss, WUPHD**
 **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: 

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
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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 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):

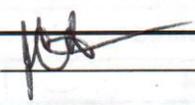
<input checked="" type="checkbox"/> ICS 202	<input type="checkbox"/> ICS 206	Other Attachments: <input checked="" type="checkbox"/> Traffic Control Plan <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<input checked="" type="checkbox"/> ICS 203	<input type="checkbox"/> ICS 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	

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)			7. Operations Section:		
<input type="checkbox"/> IMT IC/UCs	Unified Command		Chief	Tom Anthos	906-360-1545
<input type="checkbox"/> IMG AIC			Deputy	Jed Chrestensen	906-281-4726
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		
Klem Counsel	Richard Baron 248-310-9720		Branch	B a n k R e c o v e r y	
WUPHD	Kate 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	Jed Chrestensen 906-281-4726		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		
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: Jed Chrestensen _____			Position/Title: Planning Section Chief _____ Signature: 		
ICS 203	IAP Page <u>3</u> of 8	Date/Time: <u>2/7/18</u> <u>09:00</u>			

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: Rv Assess & Rec Division: Rv Assessment 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: Mylan Koski 906-360-4027													
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.)									
Ken Decker	SWAT		269/209-2359										
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													
8. Communications (radio and/or phone contact numbers needed for this assignment): <table style="width: 100%; border: none;"> <tr> <td style="width: 35%; border-bottom: 1px solid black;">Name/Function</td> <td style="width: 65%; border-bottom: 1px solid black;">Primary Contact: indicate cell, pager, or radio (frequency/system/channel)</td> </tr> <tr> <td style="border-bottom: 1px solid black;">all parties /</td> <td style="border-bottom: 1px solid black;">contact at numbers listed above</td> </tr> <tr> <td style="border-bottom: 1px solid black;">/</td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;">/</td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;">/</td> <td style="border-bottom: 1px solid black;"> </td> </tr> </table>				Name/Function	Primary Contact: indicate cell, pager, or radio (frequency/system/channel)	all parties /	contact at numbers listed above	/		/		/	
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all parties /	contact at numbers listed above												
/													
/													
/													
9. Prepared by: Name: <u>Tom Anthos</u> Position/Title: <u>Ops Section Chief</u> Signature:													
ICS 204	IAP Page <u>5</u> of 8	Date/Time: <u>2/7/2018</u>	0900										

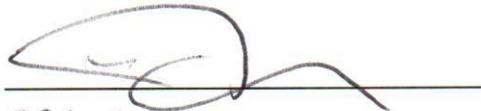
ASSIGNMENT LIST (ICS 204)

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: Air Mon & Sample Division: TriMedia Group: Staging Area:										
4. Operations Personnel: <u>Name</u> <u>Contact Number(s)</u> Operations Section Chief: Tom Anthos 906-360-1545 Branch Director: Ashley Miller 330-646-7870 Division/Group Supervisor: Brett Bonsel 906-360-0024														
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.)										
Brett Bonsel	TriMedia		906-360-0024	Spill Site										
Adam Kiddle	TriMedia		906-235-3755	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 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.														
8. Communications (radio and/or phone contact numbers needed for this assignment): <table style="width: 100%; border: none;"> <tr> <td style="width: 35%; border-bottom: 1px solid black;">Name/Function</td> <td style="width: 65%; border-bottom: 1px solid black;">Primary Contact: indicate cell, pager, or radio (frequency/system/channel)</td> </tr> <tr> <td style="border-bottom: 1px solid black;">all parties /</td> <td style="border-bottom: 1px solid black;">contact through numbers listed above</td> </tr> <tr> <td style="border-bottom: 1px solid black;">/</td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;">/</td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;">/</td> <td style="border-bottom: 1px solid black;"> </td> </tr> </table>					Name/Function	Primary Contact: indicate cell, pager, or radio (frequency/system/channel)	all parties /	contact through numbers listed above	/		/		/	
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all parties /	contact through numbers listed above													
/														
/														
/														
9. Prepared by: Name: <u>Jed Chrestensen</u> Position/Title: <u>Planning Section Chief</u> Signature:														
ICS 204	IAP Page <u>7</u> of 8	Date/Time: <u>2-7-18 09:00</u>												

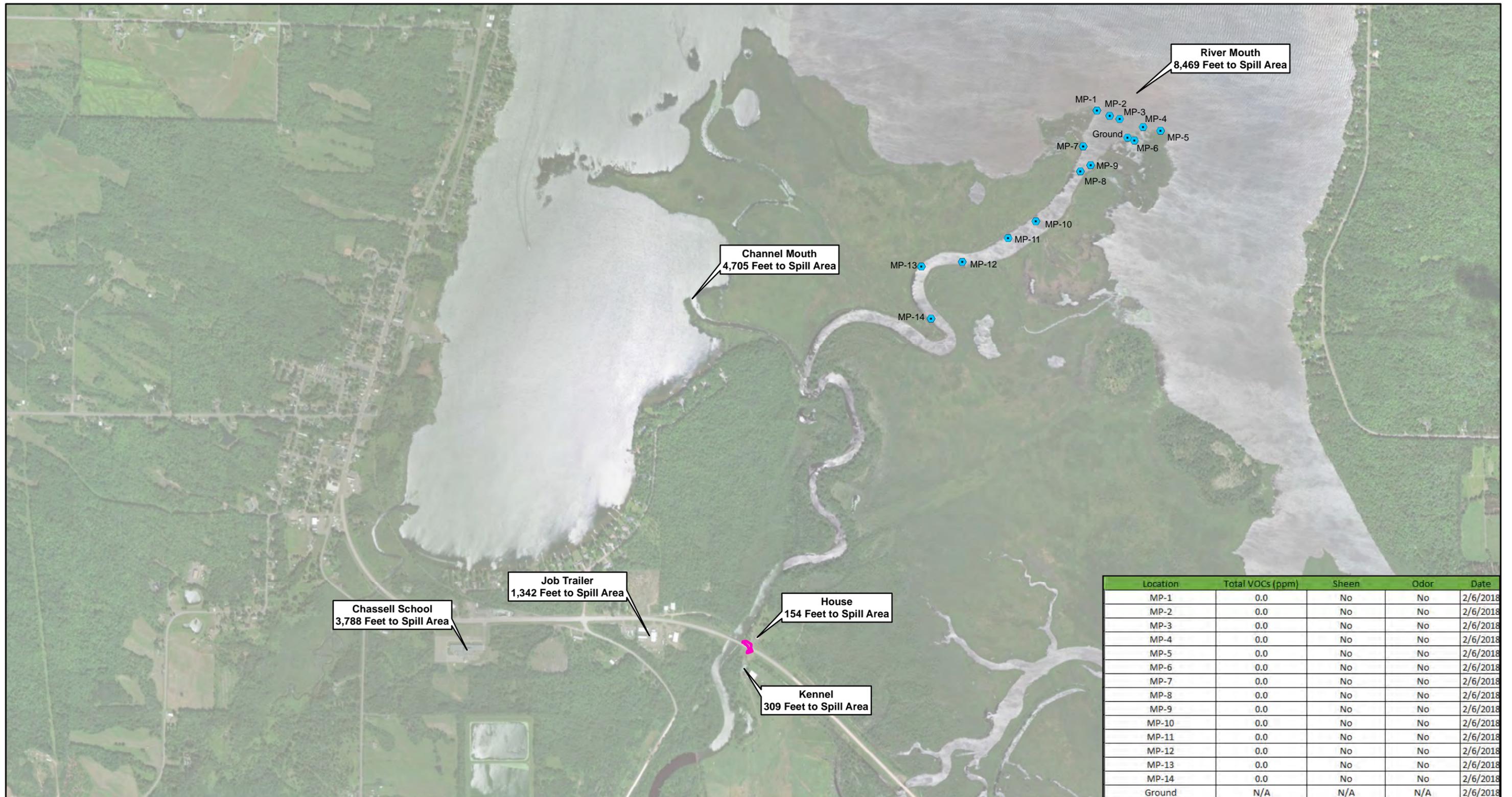
Traffic Control Plan
Sturgeon River US-41 Gasoline Spill
2-7-18

- 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.

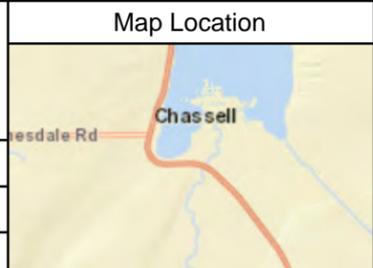
Signed: _____


OPS SECTION MANAGER
Tom Antkos

Date: 2/7/2018



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



Legend
 Spill Area
 On River Product Assessment Locations

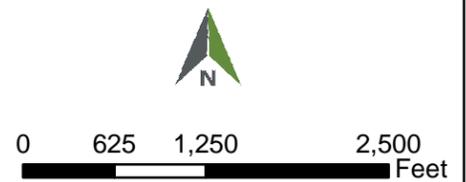


FIGURE 2
 STURGEON RIVER US 41 GASOLINE SPILL
 SPILL AREA DISTANCES & RIVER ASSESSMENT
 SHEET 1 OF 1