

# Air Force Civil Engineer Center

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## Wurtsmith Restoration Advisory Board Meeting

30 August 2018  
Matt Marrs  
AFCEC/CIB



Attachment 2

# Wurtsmith RAB



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# Welcome



# Wurtsmith RAB Agenda



## WELCOME

- Introductions
- Ground rules

## UPDATES

- Stakeholder updates

## PRESENTATIONS

- MDEQ Presentations
- Preliminary Assessment recap
- DW Monitoring Program
- Wurtsmith Restoration

## RAB BUSINESS

- Meeting materials/presentations discussion
- Action Items
- Next RAB meeting

## PUBLIC COMMENT

- Three-minute limit or written comments



# Wurtsmith RAB Ground Rules



**01** | Respect one another and maintain an atmosphere of open dialogue and exchange of ideas.

**02** | Use our time together efficiently, wisely and respectfully.

**03** | Speak clearly and succinctly one person at a time; avoid interrupting others.

**04** | Listen and remain open to differing points of view.

**05** | Maintain a propensity for progress: prepare, discuss, document and move forward.

**06** | Share information early, openly and honestly

**07** | Accurately and objectively relay to others the discussions that occur at board meetings.





Attachment 2

# Wurtsmith RAB



## Updates



# Wurtsmith RAB Stakeholder Updates



- Treated water discharge agreement



- Benzene Arrow Street GAC Plant status



- Capture Zone Report status
- MDEQ plume bounding drilling work - completed
- Foam recovery efforts
- Oscoda Public Schools

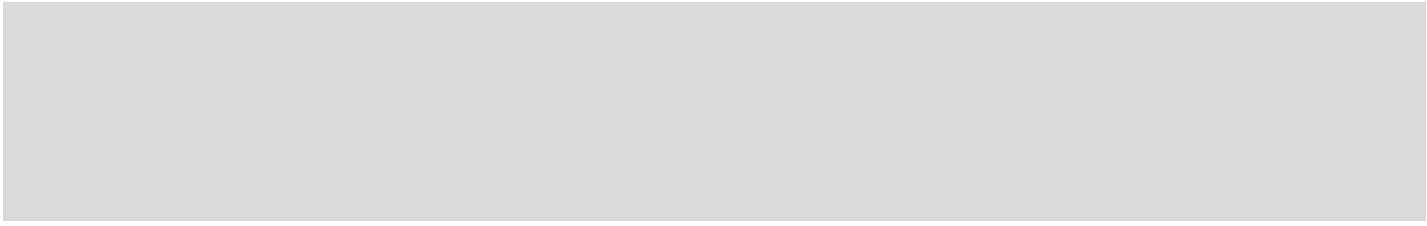
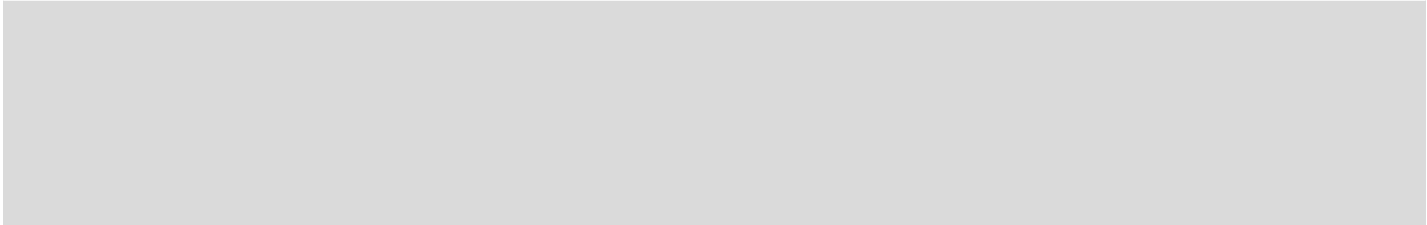


Community  
RAB Members

- Public outreach & communications - PFAS contamination, remediation, health
- RAB developing CERCLA-based project list
- Release of MDEQ "Capture Zone" PFAS Modeling report
- Comprehensive Sampling & Results Plans by USAF, MDEQ, MDHHS, etc.



# Wurtsmith RAB Stakeholder Updates





# Preliminary Assessment Recap

## PA Questions/Concerns

### 1. Pre-foaming runways with AFFF

- Interviewed Jim Pennington, former assistant fire chief (20 years at Wurtsmith, service & civilian)
- Pre-foaming was not done at Wurtsmith
- Foaming runways was tested by the AF at other locations; HHQ determined it was not effective and should not be used





## Preliminary Assessment Recap

### 2. Potential crash sites on/near the runway : [View Map](#)

The PA listed the following two incidents where AFFF was used.

**KC-135 Crash Site:** A KC-135 aircraft crashed north of the runway; the crash site was assigned Area 08

**A-6 Intruder Crash Site:** suspected aircraft crash at unknown location on the runway.

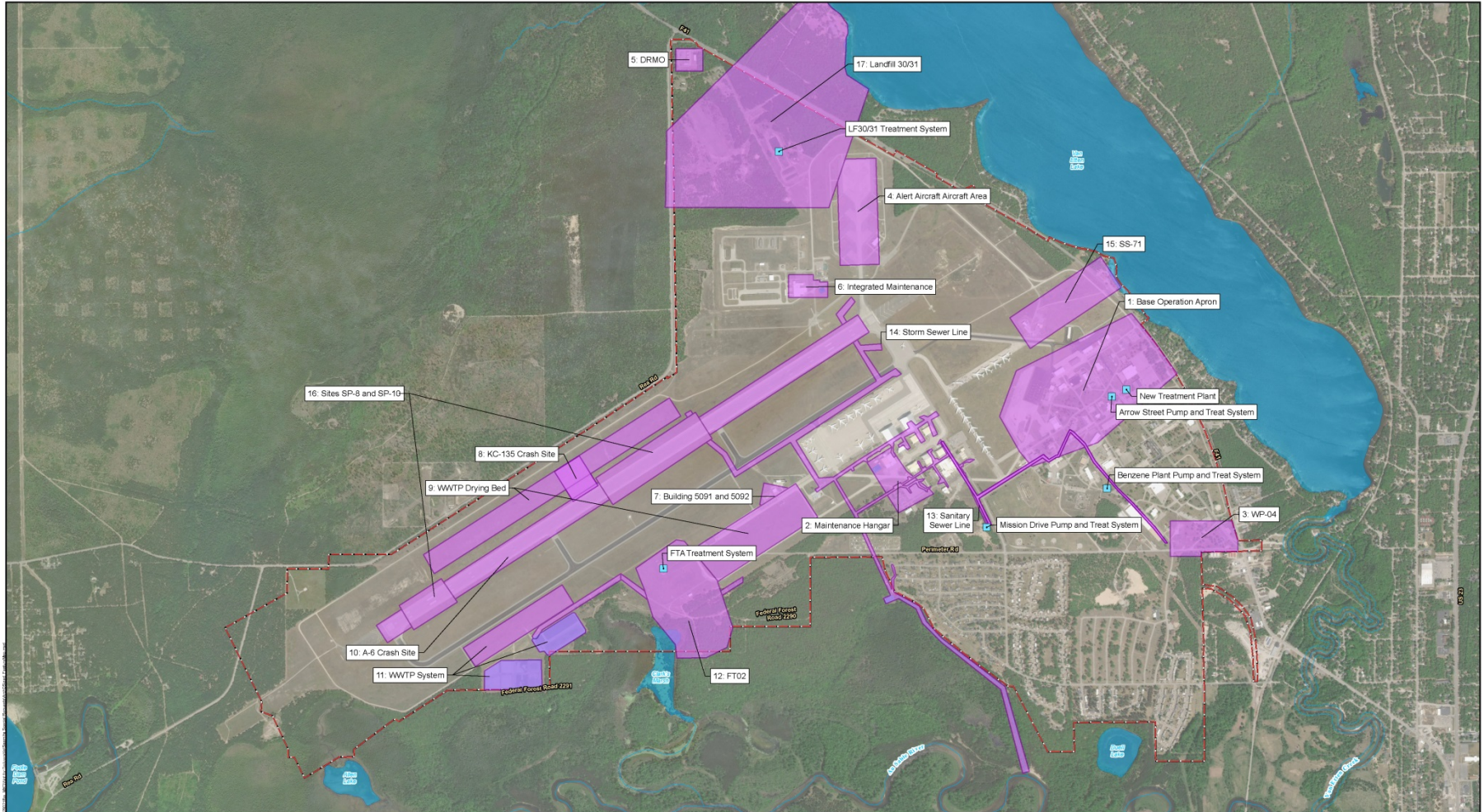
- Records search of military crashes between 1925 and Aug. 2015 did not include an A-6 crash at Wurtsmith AFB.
- Four A-6 planes crashed between 1980-89, but none identified as occurring at Wurtsmith AFB.

The entire runway, and areas adjacent, were investigated during 2016 SI sampling (Areas 8 & 16) and 2017 SSI (Areas 1, 15 & 2) sampling.





# Wurtsmith RAB Preliminary Assessment Recap



**Air Force Civil Engineer Center**  
 22400 E. Lincoln Ave.  
 Colorado Springs, CO 80908  
 (719) 575-1000

Project: 71290177

By: KEH Date: 08/24/2018

**SYMBOL KEY**

- Groundwater Treatment System
- Stream
- Surface Water/Lagoons
- AFFF Area Location
- Former Wurtsmith AFB Installation Boundary
- FT02 Area Number: Area Name

**Note:**  
 WP04, SS-71, SP-8, SP-10, KC-135 are current or former Installation Restoration Program (IRP) Sites that currently are AFFF areas as well

**AFFF** Aqueous Film Forming Foam  
**DRMO** Defense Reutilization and Marketing Office  
**FTA** Fire Training Area  
**FT02** Fire Training Area 02  
**WWTP** Waste Water Treatment Plant

**Restoration Advisory Board**  
**PFAS Investigation Location Map**  
 Former Wurtsmith Air Force Base, Oscoda, Michigan



## **Preliminary Assessment Recap**

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3. **Waste Treatment Plant; spreading sludge along the runway.**
  - The WWTP was identified during the PA and assigned to be Area 11 and was investigated during SI sampling activities in 2016.
  - OT-35 and OT-45 Sludge Spreading Areas were assigned to be Area 09 and were investigated during SI sampling activities.
4. **Fuel spills beyond the runway**
  - Areas 04 (Alert Aircraft Area) and 15 (SS-71) were added to the PA and investigated during the SI because of the fuel spill and potential AFFF application

**PA was reviewed and approved by MDEQ**





# Wurtsmith RAB DW Monitoring Program



## June-July 2018 Drinking Water sampling

- Results validated
- Well owners should receive results in mail first week of September
- No exceedances



**Next quarterly sampling effort  
to begin 17 September**





# Wurtsmith RAB Restoration



## 2018 Highlights: Groundwater Remediation



279M gallons of groundwater pumped through five treatment plants:

- 141M provided hydraulic control for PFOS/PFOA and VOCs

- 138M pumped and treated

61M gallons of GW treated for PFOS/PFOA; 77M for VOCs

97% "up time" for FT-02 system; removed 2.41 lbs. of PFOS; 0.49 lbs. of PFOA from liquid stream

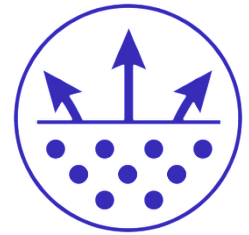


# Wurtsmith RAB Restoration



## 2018 Highlights: Groundwater Remediation

Continued Air Sparge curtain operation for VOC removal at Former Fuel Hydrant System Site; conducted **annual sampling** to monitor contamination.



Approved modification to pursue Biowall treatment for PCE plume from small arms range discharging to Clark's Marsh to MDEQ GSI. standards.

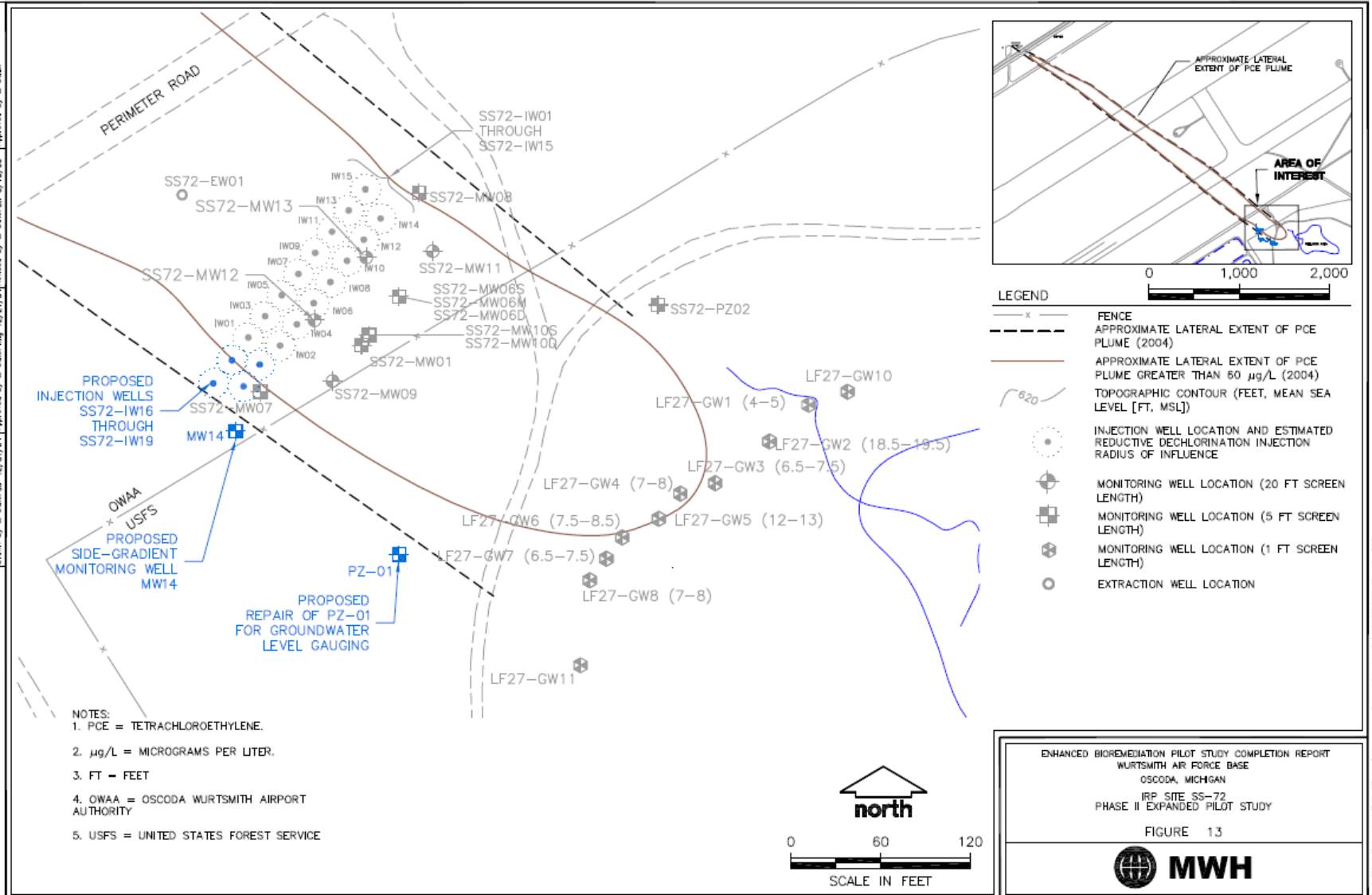
Completed construction, ready to operate new **Arrow Street/ Benzene GAC Plant**.



Conducted **annual** GW monitoring and **monthly** PTS discharge compliance sampling at **5** treatment systems; **167** samples collected from plants and purge wells for VOCs, PFAS and metals.



# Wurtsmith RAB Restoration



S:\MCD\1842201\1842201.dwg 4/15/2004 10:24:00 AM



# Wurtsmith RAB Restoration

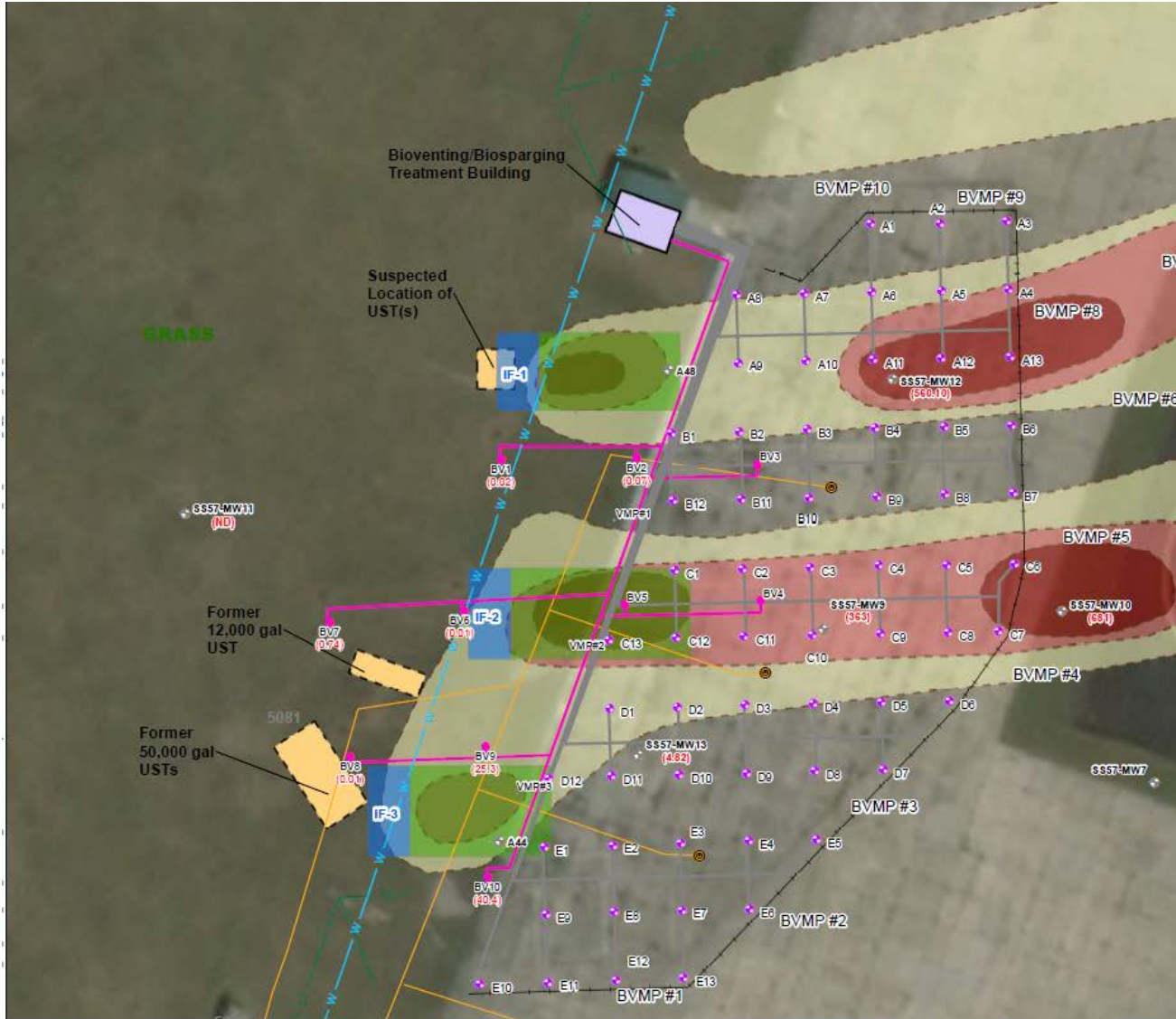


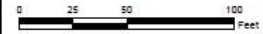
Figure 3-3

Target IAB Treatment Areas

Wurtsmith BRAC



NAD 1983 StatePlane Michigan Central FIPS 2112 Feet Intl



- Infiltration Trench (IF-1, IF-2, IF-3)
- Treatment Area
- Monitoring Well Location
- Biosparge Well
- Biovent Well
- Water Main
- Storm Sewer Main
- Former Fueling Hydrant
- Biosparge Pipeline
- Biovent Pipeline
- Former Fueling System Pipeline
- Fence Line
- 100 mg/kg Total VOC Isoleith (2013)
- 300 mg/kg Total VOC Isoleith (2013)
- 500 mg/kg Total VOC Isoleith (2013)

Notes:  
Trench locations may be adjusted based on the results of the DGI.





# Wurtsmith RAB Restoration



## 2018 Highlights: PFOS/PFOA Investigation



Installed **39**  
monitoring  
wells



Installed **37**  
Vertical Aquifer  
Sampling  
borings



Collected **119**  
groundwater  
samples



Sampled **27**  
drinking water  
supplies





# Wurtsmith RAB Restoration



## 2018-2019 Projects

### Sampling

- Ongoing annual GW sampling for 186 monitoring wells across 11 sites
- DW Monitoring Program quarterly sampling
- Install transducers in 16 MW for gauging water level

### Mitigation

- Complete SSI field work; prepare report
- Install 7 monitoring wells
- Monitor influent/effluent of new GAC plant
- Mission Street tie-in
- Conduct annual LUC/IC inspection
- Update GW model

### Restoration

- SS-72: Implement full-scale Biowall
- SS-57: Implement full-scale VOC supplemental remedy
- FT-02: Implement full-scale VOC remedy



Attachment 2

# Wurtsmith RAB



## RAB Business



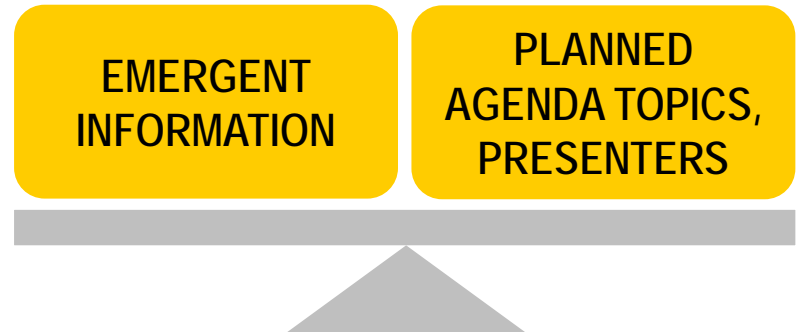
# Wurtsmith RAB RAB Business



## Accommodating Unplanned Presentations

As a group, we will determine what constitutes emergent issues and topics that warrant adding unplanned presentations to the agenda once the submission deadline has passed.

- Sample results from state, AF: exceeding HA
- Fish tissue sample results received after deadline
- Potable well sample exceedances
- Newly promulgated standards, Applicable or Relevant and Appropriate Requirements (ARARs)







# Wurtsmith RAB RAB Business



## Future Meetings

Timeline for submitting content ahead of meetings:



Next RAB Meeting: Proposed dates

November 28 | December 5



Attachment 2

# Wurtsmith RAB



## Public Comment



## Public Comment Period

- 01** | Sign in and write your name on a card
- 02** | Deliver your comments from the front of the room
- 03** | Three minute time limit
- 04** | RAB members will confer after your comment to see if a follow-up action is needed



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## Conclusion & Adjournment



# FORMER WURTSMITH AIR FORCE BASE (WAFB) – RAB MEETING

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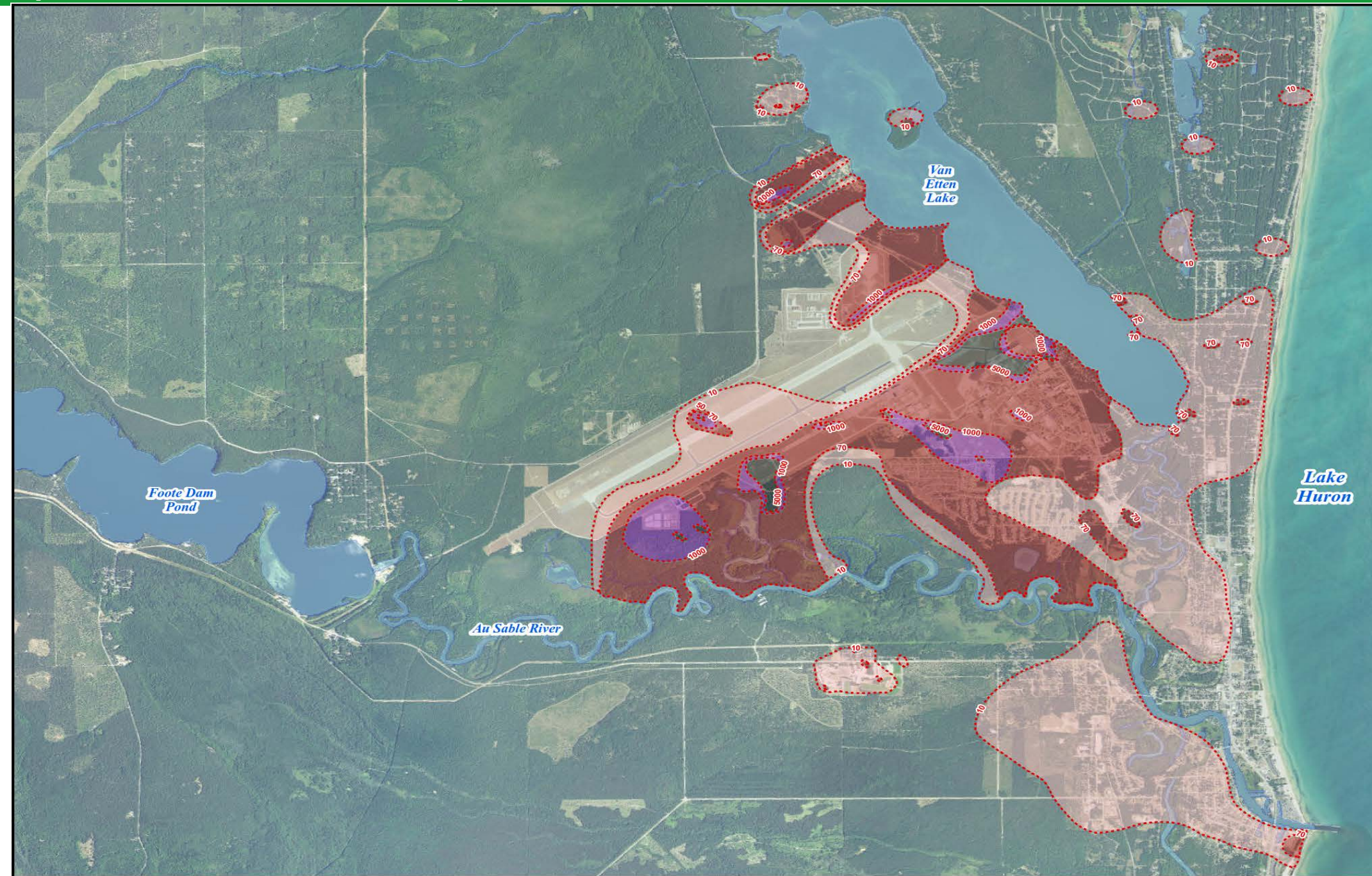
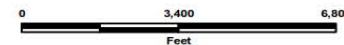
8/22/2018

### Total PFAS (ppt) Total PFAS Plume Concentration (ppt)

	10 - <70
	70 - <1,000
	1,000 - <5,000
	>5,000

GROUNDWATER AND  
RESIDENTIAL SAMPLING  
RESULTS TOTAL PFAS  
CONTOURS

FORMER WURTSMITH  
AIR FORCE BASE  
IOSCO COUNTY,  
MICHIGAN

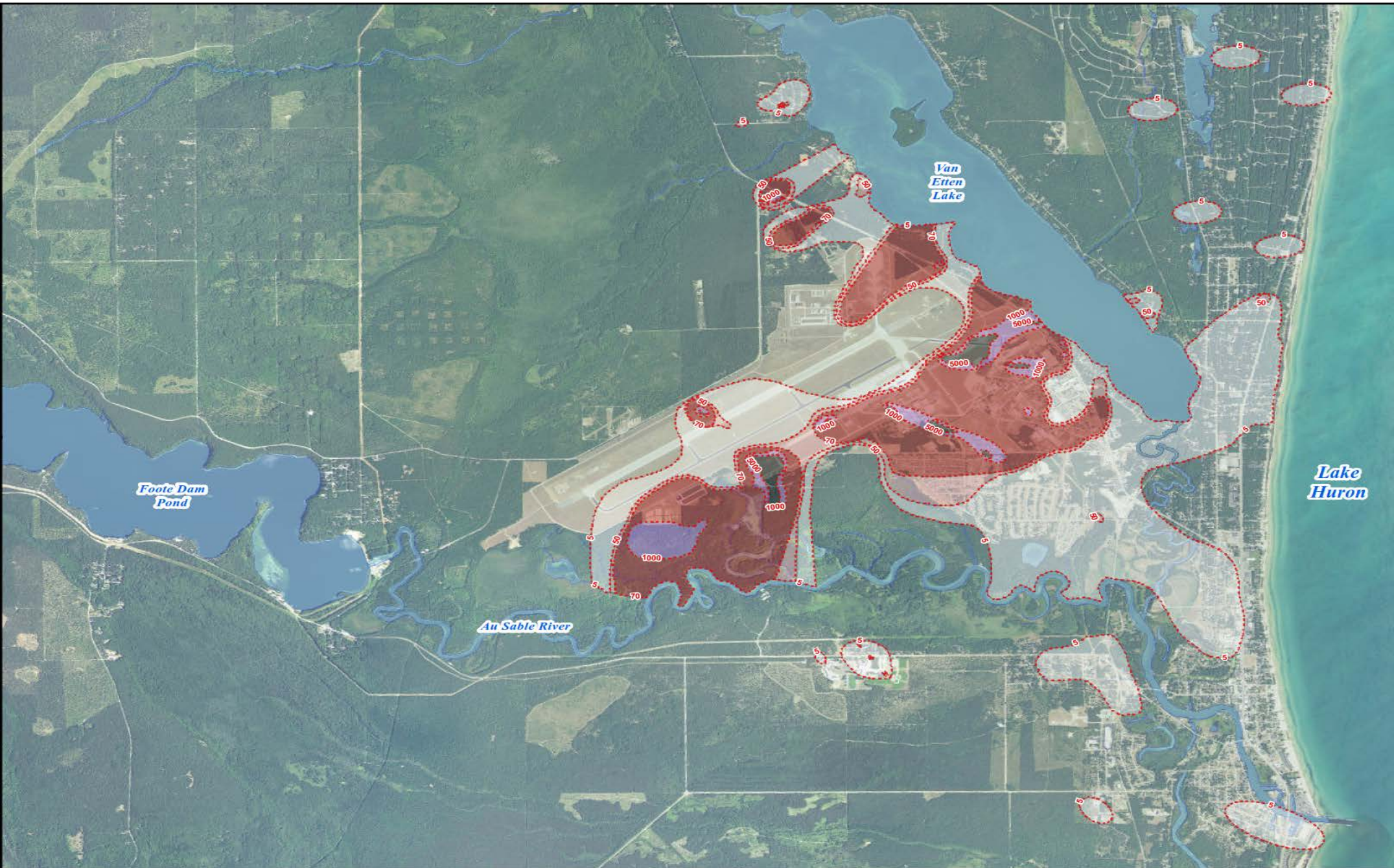
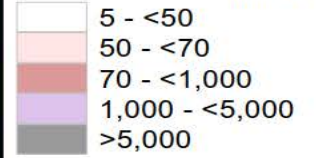






8/22/2018

## PFOA + PFOS (ppt) PFOA + PFOS Plume Concentration (ppt)



GROUNDWATER AND  
RESIDENTIAL SAMPLING  
RESULTS PFOA + PFOS  
CONTOURS

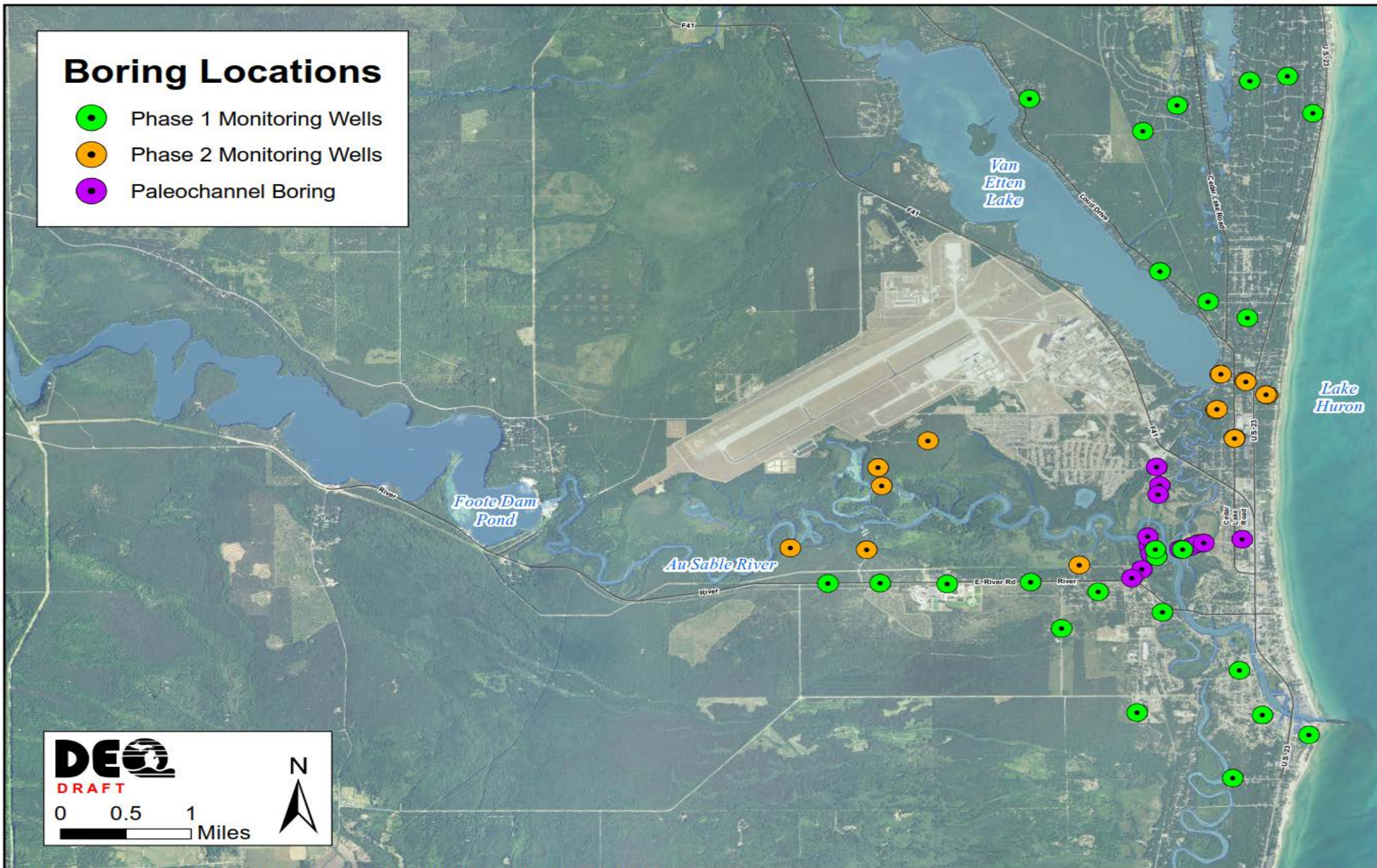
FORMER WURTSMITH  
AIR FORCE BASE  
IOSCO COUNTY,  
MICHIGAN





### Boring Locations

- Phase 1 Monitoring Wells
- Phase 2 Monitoring Wells
- Paleochannel Boring



**DEQ**  
DRAFT

0 0.5 1 Miles

N





- Legend**
- Reduced Scope Surface Water Samples
  - Intra Red-Henry Sampling
  - ★ Proposed Henry Seepage Samples
  - Representative Foam Sample Locations

\* Henry seepage sample locations may vary based on infrared photography.  
 \* Foam sample locations will depend on daily conditions, such as wind, and presence of surface water foam.

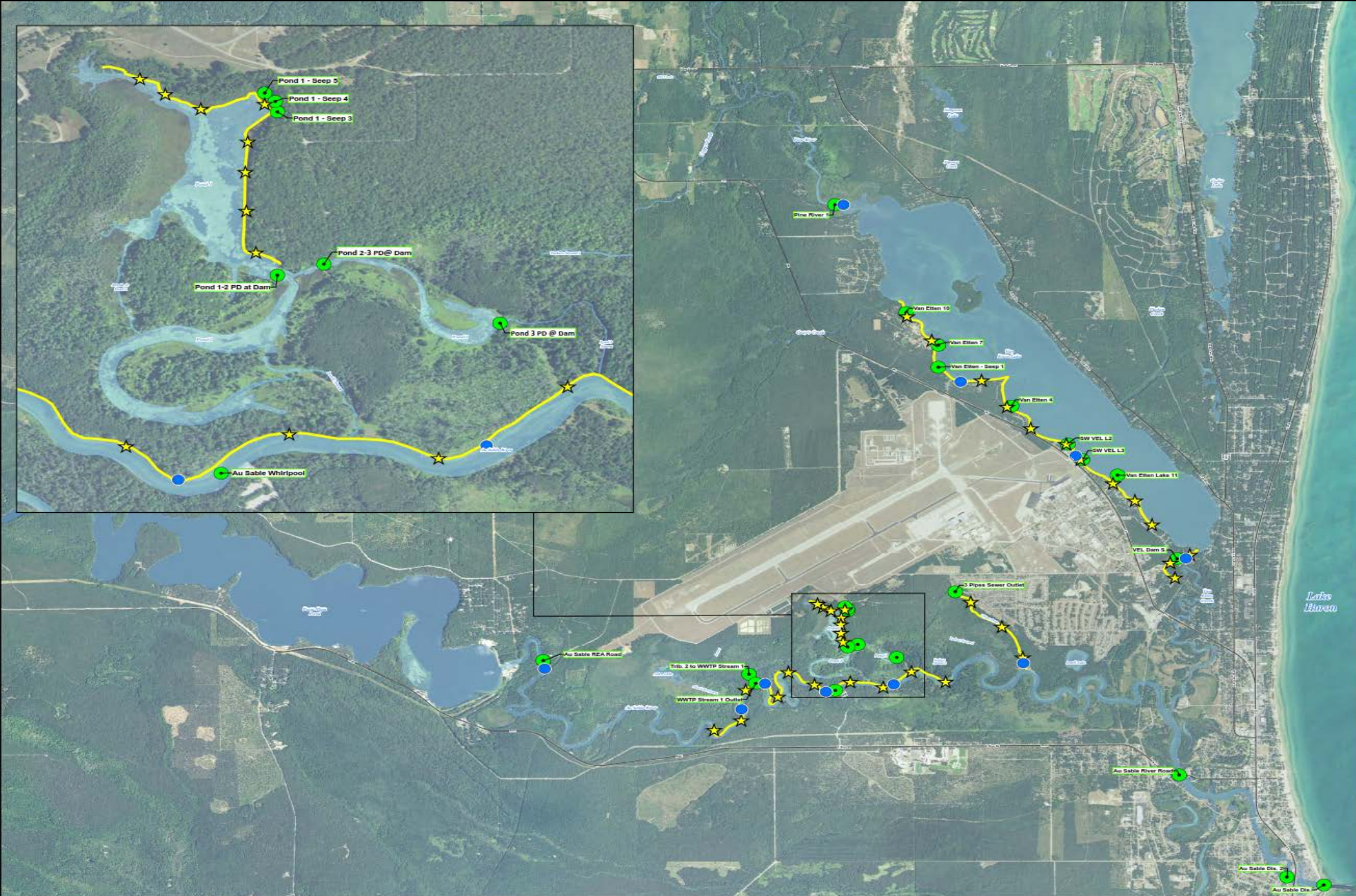
**SURFACE WATER SAMPLING PLAN**  
**FORMER WURTSMITH AIR FORCE BASE**  
**IOSCO COUNTY, MICHIGAN**



Drawn	DP	KASDIN
Approved	DP	KASDIN
Scale	AS SHOWN	

PROJECT NUMBER:  
**60514613**

FIGURE NUMBER:  
**1**



# Questions?

**Robert Delaney**

**MDEQ - RRD**

*517-284-5085*

[DELANEYR@michigan.gov](mailto:DELANEYR@michigan.gov)



# Protecting Water Quality in Michigan



Tarek Buckmaster  
Michigan Department of Environmental Quality  
Water Resources Division  
Permits Section

# Water Resources Division

- Ensure Michigan's waters are safe and clean for drinking, recreating, fishing, and healthy aquatic ecosystems.
- Administer:
  - Groundwater Discharge Permits Program
  - Surface Water Quality Program
  - Water Resources Program



# Applicable laws and rules

- Natural Resources and Environmental Protection Act (NREPA)
- 1994 Public Act 451, as amended
  - Part 31 Water Resources Protection





# Protected Uses



# National Pollutant Discharge Elimination System (NPDES) permits

- Michigan has been delegated the authority to issue NPDES permits by the U.S. EPA.
  - Issued under provisions of the Federal Water Pollution Control Act (aka Clean Water Act), as amended, and
  - Michigan Act 451, Public Act of 1994, as amended, Parts 31 and 41.





# Substantive Requirements Document (SRD)

- Permit waiver for on-site remediation activities
- SRD is ‘permit-like’:
  - Remediation activities are required to comply with state water quality standards and/or treatment technology-based standards.
  - Includes pollutant discharge limitations and monitoring.
  - Enforceable under state law.

# Wurstmith SRDs

- WRD issued several SRDs to the Air Force for surface and groundwater discharges.
- Original SRDs focused on volatile organic compounds.
- Latest SRDs focused on remediating recently discovered PFAS compounds with multi-stage granular activated carbon (GAC) treatment systems.

# GAC Treatment System

- Prior to the FT-02 GAC system, Permits Section conducted a site-specific treatment technology-based evaluation using Best Professional Judgement (BPJ).
- FT-02 operations confirmed that a well operated multi-stage GAC system could consistently achieve BPJ-based treatment technology standards.
- SRD for the new GAC treatment system includes water quality and treatment technology-based effluent limitations.

# Questions ?

Tarek Buckmaster

Michigan Department of Environmental Quality

Water Resources Division, Permits Section

[buckmastert@Michigan.gov](mailto:buckmastert@Michigan.gov)





## NOW Update to the RAB

August 30, 2018

### Activities since the June 6 RAB meeting

- NOW has held 2 meetings, June 21<sup>st</sup> and August 16<sup>th</sup>.
- June 27<sup>th</sup> the State of Michigan held a Town Hall Meeting.
- July 4<sup>th</sup> NOW members marched in the Oscoda parade and handed out informational materials.
- July 27<sup>th</sup> NOW had a table and members present at the AuSable Canoe Marathon finish line.
- NOW t-shirts were ordered and are available for sale for \$22
- A new non-profit, a 501 (c)(3) has been established to advocate for water issues throughout Michigan and collaborate with water related community action groups nation-wide. Cody Angell (Plainfield Township), Scott Harvey (Officer), and Chris Coulon (Trustee and NOW member).
- NOW will be establishing a 501 (c)(3) also. We have multiple offers for generous donations to pursue our mission.

### Media

- MLive interviews/visit to the area resulted in an 8-page newspaper spread that ran July 22<sup>nd</sup>. The article went in their 8 papers – Grand Rapids Press, Flint Journal, Ann Arbor News, Jackson Citizen-Patriot, Saginaw News, Bay City Times, Kalamazoo Gazette, Muskegon Chronicle.
- CNN Interview
- ViewPoint (WKJC) – Date?
- Michigan League of Conservation Voters video crew interviews – Aug. 15-16
- Michigan Public Radio (WEMU) visit/interview for Green Room program – Aug. 19
- Circle of Blue visit/interviews – Aug. 13-14
- Detroit Public Radio interview – June 12 and August 22

### Collaboration

- MDHHS conference call with Kory Groetsch, Environmental Public Health Director, Dr. Courtney Carnigan, MSU Toxicologist, Chris Coulon, Cathy Wusterbarth on possible biomonitoring study/grant. During August 16<sup>th</sup> presentation to NOW members MDHHS has reported Southwest Michigan will be a site for health studies.
- Great Lakes Restoration Initiative Meeting in Saginaw, July 24<sup>th</sup>. Comments sought on next 5-year GLRI Plan. Attended by 4 NOW members, all submitted public comments for PFAS to be included on the list of Areas of Concern in order to be eligible to secure GLRI funding regarding PFAS in the future.
- Planning free public viewing of the independent film “The Devil We Know” for September 20, the next NOW meeting. Potential invitees for expert panel with the filmmakers and experts in PFAS research.

- NOW members are working with National PFAS Contamination Coalition members regarding the failure of the State of Michigan to establish a forum for a regional EPA summit. At this point, the state that has proclaimed itself as the leader in addressing PFAS contamination, will not be allowing a public forum to hear from as many residents as possible. As the epicenter of the PFAS issue and the leading state in identified sites for PFAS contamination, we unfortunately find this decision consistent with the states past failures to act quickly, act with transparency and to protect its citizen and the greatest source of fresh surface water on earth.

# OSCODA TOWNSHIP FIRE DEPARTMENT

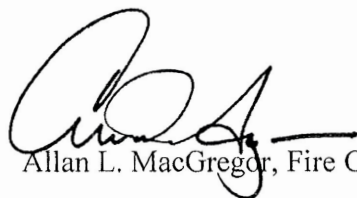


*Allan L. MacGregor, Fire Chief*  
110 South State Street  
Oscoda, Michigan 48750  
Phone: 989-739-9112/9113  
Fax: 989-739-1891

May 31, 2017

To Whom It May Concern,

On 10-18-95 at 2021hrs. the Oscoda Police and Fire Department was advised of a fire at the Oscoda Area Schools bus garage located at 3550 River Rd, AuSable Township, Michigan. Undersigned was the Oscoda Fire Chief at that period in time and responded to the location. Upon arrival, it was determined that the rear storage building located on the back of the property was fully involved in flames. Due to the size of the building and the knowledge that it housed various petroleum based products, undersigned contacted the Wurtsmith Caretaker Force with was functioning on a 24hr.a day, 7 days a week, 365days a year basis. The purpose of the call was to request their large tanker which operated with foam as that would be the best suppressant for the fuel based products in the building. The Caretaker force arrived on location with the tanker and utilized a water/foam suppressant to assist in extinguishing the fire within the building.

  
Allan L. MacGregor, Fire Chief



- 1030 - 1st call  
 1031 - 2nd call + Osc #1 enr.  
 1032 - 3rd call + req. WAFB water pumper - Port. enr. 2  
 1033 - Osc #7 out (Wells + Dave)  
 1035 - Osc #6 out (Taylor)  
 1038 - Port. on scene + Osc #1  
 1039 - Req. Mikado FD water  
 1040 - Tanker out (Brink.)  
 1044 - #7 + #3 on scene  
 1046 - #6 on scene  
 1112 - Req. Con. Power + adv. firemen impeded by live wires  
 1126 - Req. Grnb. FD for water - fire freeburning  
 1145 - Tanker disabled at AF Beach - req. Look's Tow Truck  
 1156 - Con. Power UTL standby person  
 1158 - Cancel tow truck  
 1202 - E. Tawas Water Tanker req.  
 1208 - Live wires on hoses - demand Cons. Supv.  
 1209 - Cons. notified - ETA 20 min. to 1/2 hr.  
 1242 - #6 enr. to sta. for standby



# OSCODA TOWNSHIP POLICE Complaint Information

Complainant \_\_\_\_\_ Date 12-26-92

Address \_\_\_\_\_ Telephone \_\_\_\_\_

Dispatcher \_\_\_\_\_ Officer Assigned \_\_\_\_\_ Time AM/PM 1029

Incident: \_\_\_\_\_

15:38 0-4 (~~10-17~~) ret. to sta.

16:10 0-7 (~~10-19~~) " " "

16:11 All Units (~~10-18~~) enr. sta.

16:15 0-4 10-7 sta.

- |                |                          |                |                          |                          |                          |
|----------------|--------------------------|----------------|--------------------------|--------------------------|--------------------------|
| 1. Report Made | <input type="checkbox"/> | 4. Arrest Made | <input type="checkbox"/> | 7. Remarks (See Reverse) | <input type="checkbox"/> |
| 2. No Report   | <input type="checkbox"/> | 5. Info. Only  | <input type="checkbox"/> | 8. T. O. T. Other Dept.  | <input type="checkbox"/> |
| 3. Unfounded   | <input type="checkbox"/> | 6. Insur. Only | <input type="checkbox"/> | 9. Civil                 | <input type="checkbox"/> |

Time Disp. \_\_\_\_\_ Arrived \_\_\_\_\_ Clear \_\_\_\_\_ AuSable  Walk In

FM 18A (Rev. 1-85)  
Michigan Department of State Police  
FIRE MARSHAL DIVISION

**MFIRS - A**  
INCIDENT REPORT

Fire Department <b>Oscoda Township Fire Department</b>			Date Amended
Weather <b>Clear</b>	Temp <b>11°</b>	Wind Direction and Velocity <b>W. at 22 MPH</b>	<input type="checkbox"/> Change Record <input type="checkbox"/> Delete Record

1 FD Ident. <b>3504</b>	2 Incident No. <b>00026</b>	3 Exp. <b>00</b>	4 Mo. <b>12</b>	5 Day <b>26</b>	6 Year <b>92</b>	7 Day of Week <b>Saturday</b>	8 Alarm Time <b>1029</b>	9 Time Arriv. <b>1038</b>	10 Time Clrd. <b>1611</b>	11 Sta. <b>001</b>	
1 Incident Location: No., Street, City <b>7865 F-41 Oscoda Twp.</b>							2 Apt./Suite	3 Zip Code <b>48750</b>	4 Census Tract		
1 Occupant - Last <b>McDonald</b>		First <b>Greg</b>		M.I. <b>NMN</b>	2 Phone <b>739-9944</b>		3. Contact Person <b>Same</b>				
1 Owner - Last <b>Same</b>		First <b>Same</b>		M.I.	2 Phone <b>Same</b>		3 Address <b>Same</b>				
1 Type of Situation <b>1 1 Structure fire</b>						2 Type of Action Taken <b>1 Extinguished fire</b>			3 Mutual Aid <input checked="" type="checkbox"/> Rec. <input type="checkbox"/> Green		
1 Fixed Property Use <b>5 1 9 Food-Beverage/Not classified</b>						2 Probable Act or Omission <b>5 1 Chimney failed</b>			3 Fire Dept. Use <b>92-6188</b>		
1 Method of Alarm From Public <b>1 Telephone</b>						2 Fire Dept. Use		3 1st Co. In <b>007</b>	4 Shift <b>1</b>	5 Alarm <b>01</b>	
1 No. Fire Service Personnel Responded to Incident Location <b>0 2 5</b>		2 Engines Pumper Respond <b>0 3</b>		3 Mini-Pumpers Respond <b>0 0</b>		4 Aerials Ladders Respond <b>0 0</b>		5 Squads Rescues Respond <b>0 2</b>		6 Tankers incl. Trailers <b>0 5</b>	
7 Grass Fire Rigs <b>0 0</b>		8 Crews <b>0 0</b>		9 Other <b>0 0</b>		10 <b>0 0</b>		11 <b>0 0</b>		12 <b>0 0</b>	

NUMBER OF PERSONS INJURED <b>0</b>	1 Fire Service (FM-18C) <b>0</b>	2 Non-Fire Service (FM-18B) <b>0</b>	NUMBER OF FATALITIES <b>0</b>	3 Fire Service (FM-18C) <b>0</b>	4 Non-Fire Service (FM-18B) <b>0</b>	5 Personnel Injured <b>0</b>
---------------------------------------	-------------------------------------	---	----------------------------------	-------------------------------------	---	---------------------------------

1 General Property Use (Complex) <b>4 0 Business/Residential</b>		2 Mobile Property Class		3 Equipment Involved in Ignition <b>1 6 Chimney</b>	
Area of Origin <b>7 3 Ceiling &amp; floor</b>		2 Form of Heat Causing Ignition <b>1 5 Spark escape</b>		3 Type of Material First Ignited <b>6 3 Sawn wood</b>	
Form of Material First Ignited <b>1 7 Structural member</b>		2 Level of Fire Origin <b>8 below ground level</b>		3 Method of Extinguishment <b>7 water shuttle</b>	
1 Building, Vehicle or Other - Insurance Co. (if known) <b>American States-Grand Rapids</b>		2 Amount of Insurance <b>69,000</b>		3 Est. Property Value <b>69,000</b>	
1 Contents - Insurance Co. (if known) <b>Same</b>		2 Amount of Insurance <b>26,000</b>		3 Est. Contents Value <b>26,000</b>	
				4 Est. Property Loss <b>69,000</b>	
				4 Est. Contents Loss <b>26,000</b>	

1 No. Stories <b>2</b>		2 Construction Type <b>2 Heavy timber</b>		3 Extent of Flame Damage <b>6 Structure of origin</b>		4 Extent of Smoke Damage <b>6 Confined to structure</b>	
1 Type Auto. Extinguishing System <b>8 None</b>		2 Extinguishing System Performance <b>8 None</b>		3 Detector Performance <b>6 Operated/Not factor</b>			
1 Detector Type <b>1 Ionization</b>		2 Detector Power Supply <b>1 Battery</b>		3 Avenue of Smoke Travel <b>8 None significant</b>			
IF SMOKE SPREAD BEYOND ROOM OF ORIGIN <b>6 3</b>		1 Type of Material Generating Most Smoke <b>1 7</b>		2 Form of Material Generating Most Smoke		3	

IF MOBILE PROPERTY	1 Year	2 Make	3 Model	4 Vehicle Number	5 License Number
IF EQUIPMENT INVOLVED	1 Year	2 Brand Name	3 Model	4 Serial Number	

1 No. of Gal. of Water Used <b>4 0 0 0 0</b>		2 No. and Feet of Hose Booster													
		No.		Feet		1 1/2"		2 1/2"		3 1/2"		Other		Feet	
		<b>0</b>		<b>0</b>		<b>6 1 2 0 0</b>		<b>1 0</b>		<b>5 0 0</b>					
1 Kind No. Used		2 Kind No. Used		3 Kind No. Used		4 Kind No. Used		5 Kind No. Used		6 Kind No. Used		7 Kind No. Used		8 Kind No. Used	
<b>0 5</b>		<b>2 0 7</b>		<b>1 2</b>		<b>1 6</b>		<b>4 3 0</b>		<b>4 3 2 9 0 0</b>		<b>3 7</b>		<b>2 4 3 6</b>	
<b>5 8</b>		<b>1 6 4</b>		<b>9 7 0</b>		<b>2 7 3</b>		<b>8 7 8</b>		<b>1 8 9</b>		<b>4</b>			

This form is prescribed by Section 4 of Act 207, P.A. of 1941, as amended. Reporting a fire incident resulting in loss of life or property is mandatory. A person who fails to make a required report is guilty of a misdemeanor.

The above data is the opinion of the undersigned based on information available at the time of the report.

Allan MacGregor, Chief  
Name and Rank of Officer in Charge at Incident

Same  
Person Making Report, if different from Officer in Charge

(Use Reverse Side for Remarks)

12 26 92  
 Incident Location:  
 7865 F-41 - Oscoda Township  
 00026/92-6188

OSCODA  
TOWNSHIP POLICE

No 926170

Complaint Information

Complainant Greg McDonald Date 12-26-92

Address McDonalds Country Store - 7865 F-41 Telephone 739-9944

Dispatcher Yenshaw Officer Assigned All./Hea Time AM/PM 1029

Incident: Fire:

Structure fire at store.

1246 - Con. Power on scene | ~~1324 - Tanker enr. sta.~~

1256 - #6 in sta. | 1420 - Req. tanker with foam

9313 - Notify ICRC need salt | 1528 - WAFB Foamer 6 en route

- |                 |                                     |                          |                                     |            |                          |
|-----------------|-------------------------------------|--------------------------|-------------------------------------|------------|--------------------------|
| 1. Report Made  | <input type="checkbox"/>            | 5. Info. Only            | <input type="checkbox"/>            | 9. Civil   | <input type="checkbox"/> |
| 2. No Report    | <input type="checkbox"/>            | 6. Insur. Only           | <input type="checkbox"/>            | 10. G.O.A. | <input type="checkbox"/> |
| 3. Assist Given | <input checked="" type="checkbox"/> | 7. Remarks (See Reverse) | <input checked="" type="checkbox"/> | 11. U.T.L. | <input type="checkbox"/> |
| 4. Arrest Made  | <input type="checkbox"/>            | 8. T.O.T. Other Dept.    | <input type="checkbox"/>            |            | <input type="checkbox"/> |

Time Disp. sta. Arrived 1043 Clear 1410/1612 AuSable  Walk In   
sta. 1407

- 1030 - 1st Call  
 1031 - 2nd Call + Osc #1 enr.  
 1032 - 3rd Call + req. WAFB water pumper - Port. enr.?  
 1033 - Osc #7 out (Wells + Dave)  
 1035 - Osc #6 out (Taylor)  
 1038 - Port. on scene + Osc #1  
 1039 - Req. Mikado FD water  
 1040 - Tanker out (Brink.)  
 1044 - #7 + #3 on scene  
 1046 - #6 on scene  
 1112 - Req. Con. Power + adv. firemen impeded by live wires  
 1136 - Req. Grnb. FD for water - fire freeburning  
 1145 - Tanker disabled at AF Beach - req. Look's Tow Truck  
 1156 - Con. Power WTL standby person  
 1158 - Cancel tow truck  
 1202 - E. Tawas Water Tanker req.  
 1208 - Live wires on hoses - demand Cons. Supl.  
 1209 - Cons. notified - ETA 20 min. to 1/2 hr.  
 1242 - #6 enr. to str. for standbv



Michigan Department of State Police  
FIRE MARSHAL DIVISION

**MFIRS-A**

**INCIDENT REPORT**

Fire Department <b>Oscoda Fire Department</b>			Date Amended
Weather <b>Cloudy</b>	Temp <b>41°</b>	Wind Direction and Velocity <b>S/W 8 MPH</b>	<input type="checkbox"/> Change Record <input type="checkbox"/> Delete Record

1 10 Alarm	1 Incident No.	3 Exp	4 Mo	5 Day	6 Year	7 Day of Week	8 Alarm Time	9 Time Arriv.	10 Time Clid.	11 Sta		
A 3	50400030	0	0	1	8	954	2 0 2 1	2 0 2 5	0 2 0 0	1		
1 Incident Location No., Street, City <b>3550 River Road AuSable Township</b>							2 Apt./Suite	3 Zip Code	4 Census Tract			
Occupant: Last First M.I. <b>Unoccupied Building</b>							3 Contact Person <b>William Martin</b>					
Owner: Last First M.I. <b>Oscoda Area Schools</b>							2 Phone <b>739-2033</b>	3 Address <b>3550 River Road</b>				
1 Type of Structure <b>1 Structure Fire</b>							2 Type of Action Taken <b>1 Extinguished Fire</b>		3 Mutual Aid			
1 Level Property Use <b>8 0 9 Storage Building</b>							2 Probable Act or Omission <b>0 0 Undetermined</b>		1 <input checked="" type="checkbox"/> Rec. 2 <input type="checkbox"/> Green 3 Fire Dept. Use			
1 Method of Alarm From Public <b>1 Telephone</b>							2 Fire Dept. Use <b>95-5093</b>		3 1st Co. In	4 Shift	5 Alarm	
1 No. Fire Service Personnel Responded to Incident Location <b>2 1</b>		2 Engines/Pumpers Responded <b>2</b>		3 Mini-Pumpers Responded		4 Aerials/Ladders Responded		5 Squads/Rescue Responded		6 Tankers incl. Trailers <b>4</b>	7 Grass Fire Rigs	8 Other F.D. Veh.

NUMBER OF PERSONS INJURED	Fire Service (FM-18C)	Non-Fire Service (FM-18B)	NUMBER OF FATALITIES	Fire Service (FM-18C)	Non-Fire Service (FM-18B)	Persons Rescued
---------------------------	-----------------------	---------------------------	----------------------	-----------------------	---------------------------	-----------------

1 General Property Use (Complex) <b>9 8 No Complex</b>		2 Mobile Property Class		3 Equipment Involved in Ignition	
1 Area of Origin <b>4 3 Storage Area</b>		2 Form of Heat Causing Ignition <b>0 0 Undetermined</b>		3 Type of Material First Ignited <b>0 0 Undetermined</b>	
1 Form of Material First Ignited <b>0 0 Undetermined</b>		2 Level of Fire Origin <b>1 Ground Level</b>		3 Method of Extinguishment <b>7 Water Shuttle</b>	
1 Building, Vehicle or Other Insurance Co. (if known) <b>Illinois National</b>		2 Amount of Insurance <b>2 3 0 0 0 0 0 0</b>		3 Est. Property Value <b>2 5 0 0 0 0 0 0</b>	
1 Contents - Insurance Co. (if known) <b>Same</b>		2 Amount of Insurance <b>2 5 0 0 0 0 0 0</b>		3 Est. Contents Value <b>5 0 0 0 0 0 0 0</b>	
4 Est. Property Loss <b>2 5 0 0 0 0 0 0</b>		4 Est. Contents Loss <b>5 0 0 0 0 0 0 0</b>			

1 No. Stories <b>2 Two</b>		2 Construction Type <b>4 Unprotected Non-combustible</b>		3 Extent of Flame Damage <b>6 Confined to Structure</b>		4 Extent of Smoke Damage <b>6 Confined to Structure</b>	
1 Type Auto Extinguisher System <b>8 None</b>		2 Extinguishing System Performance <b>8 None</b>		3 Detector Type <b>8 None</b>		2 Detector Power Supply <b>8 None</b>	
3 Detector Performance <b>8 None</b>		1 Type of Material Generating Most Smoke		2 Form of Material Generating Most Smoke		3 Avenue of Smoke Travel	

IF MOBILE PROPERTY	1 Year	2 Make	3 Model	4 Vehicle Number	5 License Number
IF EQUIPMENT INVOLVED	1 Year	2 Brand Name	3 Model	4 Serial Number	

1 No. of Gal. of Water Used		2 No. and Feet of Hose Booster		1 1/2" Feet		2 1/2" Feet		3 1/2" Feet		Other Feet	
1 Kind	No. Used	2 Kind	No. Used	3 Kind	No. Used	4 Kind	No. Used	5 Kind	No. Used	6 Kind	No. Used
1 Kind	No. Used	2 Kind	No. Used	3 Kind	No. Used	4 Kind	No. Used	5 Kind	No. Used	6 Kind	No. Used

JURISDICTION: 1941, PA 207 Section 4  
LIABILITY: Required  
NATURE: Misdemeanor

The above data is the opinion of the undersigned based on information available at the time of the report.

Allan MacGregor, Chief  
Same  
Name and Rank of Officer in Charge at Incident Date Person Making Report, if different from Officer in Charge Date

Incident Location  
 10 18 95  
 00030  
 3550 River Road AuSable Township

## Bennett, Jacob

---

**From:** Bennett, Jacob  
**Sent:** Wednesday, February 07, 2018 2:53 PM  
**To:** 'Aaron Weed'  
**Subject:** FW: School Bus Garage  
**Attachments:** OFD4\_2017.pdf; OFD1\_2017.pdf; OFD2\_2017.pdf; OFD3\_2017.pdf; Scan0083.pdf; OFD.PDF

### Jake Bennett, NREMR

Deputy District Director  
Congressman Dan Kildee (MI-05)  
111 East Court Street, #3B  
Flint, MI 48502  
Phone: 810-238-8627  
Cell: 810-241-3968  
Fax: 810-238-8658

[www.dankildee.house.gov](http://www.dankildee.house.gov)



[Sign up for Congressman Dan Kildee's e-newsletter](#)

**From:** Bennett, Jacob  
**Sent:** Thursday, December 07, 2017 10:47 AM  
**To:** jurym1@michigan.gov  
**Cc:** Bob Delaney (delaneyr@michigan.gov) <delaneyr@michigan.gov>  
**Subject:** School Bus Garage

Mr. Jury,

Thanks for talking to me last night. As we discussed I am sending you the fire reports I received from the Fire Department in Oscoda. The OFD documents are from the structure fire at the McDonalds Country Store (7865 F-41 on 12/26/1992 where they requested mutual aid from the WAFB Foamer 6 at 1420 on 12/26/1992 (Attachment OFD2\_2017)

Attachment "Scan0083.pdf" is the run report from the 10/18/1995 fire at the school bus garage and attachment "OFD.PDF" is a signed letter from the Sheriff/Iosco County Fire Chief who was the one to request mutual aid from the WAFB caretaker fire department to assist with their foam.

Do you know if the Air Force has assisted in the contamination clean up or assisted in either of these contamination sites?

**Jake Bennett, NREMR**  
Deputy District Director  
Congressman Dan Kildee (MI-05)  
111 East Court Street, #3B  
Flint, MI 48502  
Phone: 810-238-8627

Cell: 810-241-3968

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[www.dankildee.house.gov](http://www.dankildee.house.gov)



[Sign up for Congressman Dan Kildee's e-newsletter](#)



# AIR FORCE CIVIL ENGINEER CENTER

## Restoration Advisory Board Comment Form

### Former Wurtsmith Air Force Base

30 August 2018

Thank you for serving on the former Wurtsmith AFB RAB. Your service and participation is a key component in the restoration process. Your feedback will help us improve future RAB orientations, training sessions and meetings. Please take a moment to complete this short comment form. Leave completed forms at your seat at the end of the meeting or return to a member of AFIMSC Public Affairs. Thank you!

#### INSTRUCTIONS

Below is a guide for rating the effectiveness of the RAB meeting. Check the corresponding box that best describes your feelings about each statement listed:

#### MEETING EVALUATION

	Strongly Disagree	Disagree	Undecided	Agree	Strongly Agree
Agenda content was comprehensive and relevant.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Presenters were effective.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Satisfied with meeting venue and set-up.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overall, the meeting was worthwhile.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

#### OVERALL FEEDBACK

##### STRENGTHS

What is the idea/topic you heard during the meeting that you found the most valuable and/or would like to discuss more?





# AIR FORCE CIVIL ENGINEER CENTER

## Restoration Advisory Board Comment Form

### OVERALL FEEDBACK

#### STRENGTHS

What did you like best about the meeting?

#### IMPROVEMENTS

What did you like least about the meeting?

What topics would you like to see discussed at future RAB meetings or training sessions?

What specific topics do you think would be helpful to have training sessions on?

#### ADDITIONAL COMMENTS

Please leave any additional questions here regarding RAB processes and rules and/or the ongoing restoration activities at Wurtsmith.

**PUBLIC COMMENT CARD**

**Former Wurtsmith Air Force Base Environmental Restoration Advisory Board Meeting**

**August 30, 2018**

Name

*First*

*Last*

---

Address

*Number*

*Street*

*City*

---

Email

---

Affiliation (if any)

---

Comment (Please Print)

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## RAB Survey Feedback Summary

30 June 18 Wurtsmith RAB meeting

MEETING EVALUATION					
	Strongly Disagree	Disagree	Undecided	Agree	Strongly Agree
Agenda content was comprehensive and relevant.		1	1	2	
Presenters were effective.			1	2	1
Satisfied with meeting venue and set-up.		2		2	
Overall, the meeting was worthwhile.				4	

STRENGTHS	IMPROVEMENTS
Maps were a good addition	Stick to agenda and keep members on schedule
Community co-chair comments about compiling project list	
Open discussion	
Speaking time for everyone	

Requests/Comments:

1. Stick to the agenda and move people/conversations along even if it ruffles feathers
2. Would like to learn more about characterization of plume
3. Consider a more realistic agenda