

Air Force Civil Engineer Center



Wurtsmith Restoration Advisory Board Meeting

18 April 2018
Matt Marrs
AFCEC/CIB



Wurtsmith RAB



Welcome



Wurtsmith RAB Agenda



WELCOME

- Introductions
- Ground rules

UPDATES

- Stakeholder update

BREAK

10-minute

BREAK

- 2018 Activities Calendar
- Summer /Fall Activities
- DW Sampling Schedule
- 13 Feb. Meeting minutes
- Next meeting

- Two-minute limit

**2018
ACTIVITIES**

**RAB
BUSINESS**

**PUBLIC
COMMENT**



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.



Wurtsmith RAB



Updates



Wurtsmith RAB Stakeholder Updates



- New GAC P&TS location demo/construction began in March
- Improved IR setup



- Public Health Updates



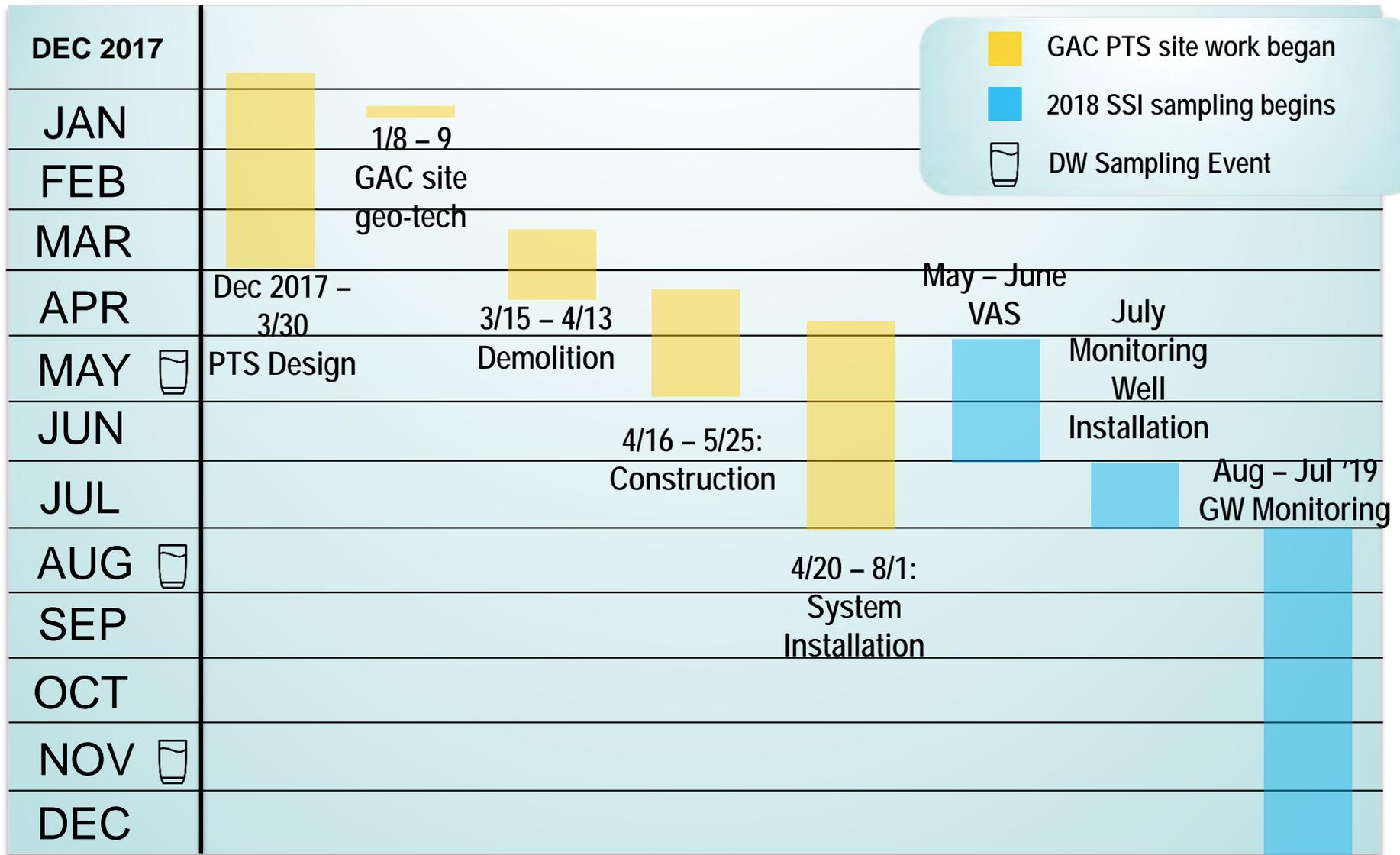
- Research USAF "CERCLA/AR 32-7020 vs DSMOA vs MDEQ Part 201 Remediation/Enforcement
- Status of MDEQ/MPART study & report: Modelling of PFAS Plumes Migration + Source - based on SW & GW sampling
- USAF Veteran anecdotes on AFFF use
- Community outreach, communication regarding remediation
- Summary of community requests on remediation



10-Minute Break



Wurtsmith RAB 2018 Activities





Wurtsmith RAB 2018 Activities



Arrow Street/Benzene GAC PTS Update

- Began demolition work in March
- Full design submitted to AFCEC, MDEQ and USACE on March 30th
- Construction activities ongoing

Ground Breaking



Vessel Delivery



GAC Vessels

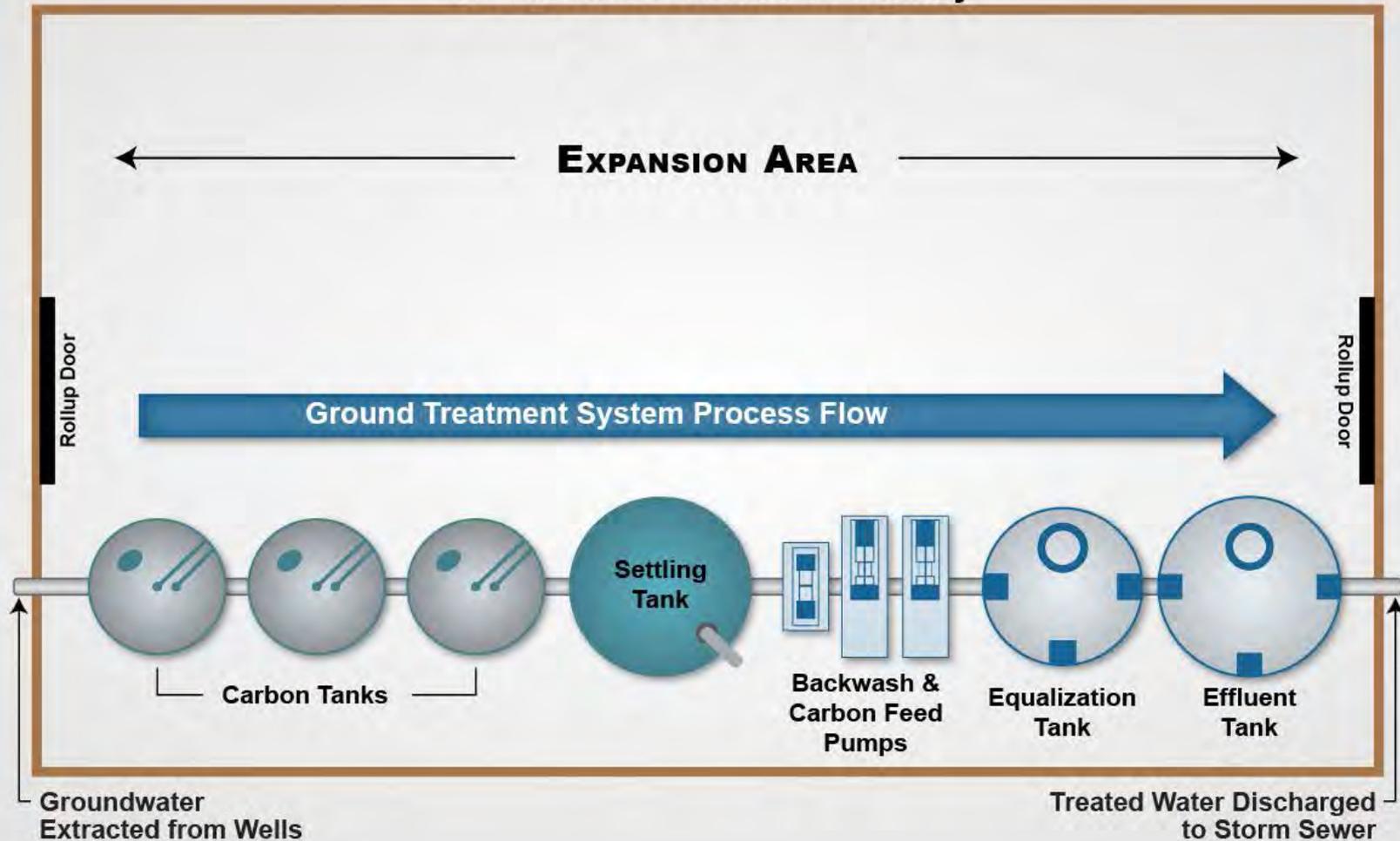




Wurtsmith RAB 2018 Activities



Groundwater Treatment Facility





Wurtsmith RAB 2018 Activities



**AFCEC wrapped up initial
SSI sampling in Dec. 2017.**

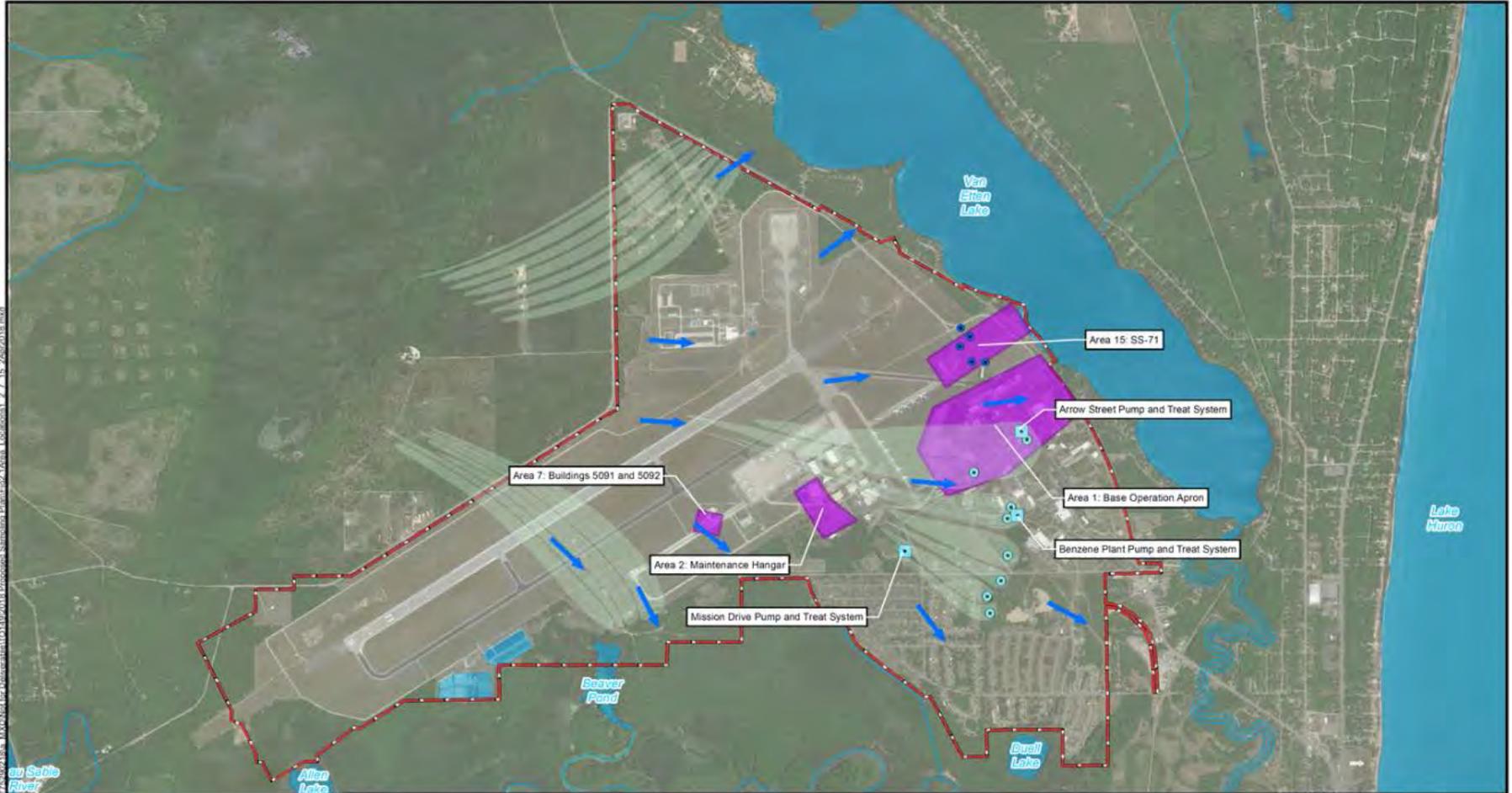
**AFCEC established preliminary prioritization
objectives for PFOS/PFOA response actions
based on validated 2017 results.**

Preliminary Prioritization Objectives

- Protect drinking water receptors
- Monitor residential and public drinking water supplies



Wurtsmith RAB 2018 Activities



Air Force Civil Engineer Center
2261 Hughes Avenue
Building 171, Site 155
JBSA Lackland, Texas 78236

Project: 775329301

By: KEH Date: 04/11/2018

SYMBOL KEY

Estimated Capture Zone (Bay West, 2017)	Purge Wells	Former Wurtsmith AFB Installation Boundary
Groundwater Treatment System	Estimated Groundwater Flow Direction	Stream
Former Base Supply Well	AFFF SSI Priority Areas	Surface Water

Disclaimer: For general reference purposes only. This is not a survey product. DO NOT USE to determine, certify, or verify map features, scale and/or other information.

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

FIGURE 2.1
SSI Area Locations: Area 01, 02, 07, and 15
Base Operation Apron, Maintenance Hangar,
Building 5091 and 5092, and Site SS-71
Former Wurtsmith Air Force Base
Oscoda, Michigan

Working Copy
Supplemental Site Inspection
Work Plan

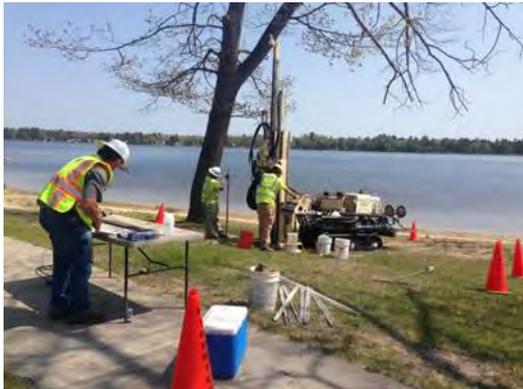
C:\wurtsmith\pfc\775329301\MapDocs\MapDocs\10110118\Proposed_SSI_Areas_01_02_07_15.mxd



Wurtsmith RAB 2018 Activities



**Continue to protect drinking water receptors
through further SSI sampling:**



Areas 1 & 15

- Evaluate the down-gradient extent of contamination
- Further characterize up-gradient source area
- Evaluate effectiveness of Arrow/Benzene PTS
- Collect additional hydrogeologic data to better understand aquifer characteristics and GW flow
- Update GW Model



Wurtsmith RAB 2018 Activities



**Continue to protect drinking water receptors
through further SSI sampling:**

Area 2

- Define extent of contamination outside modeled Mission Drive Capture
- Evaluate Mission Drive PTS
- Collect additional hydrogeologic data to better understand aquifer characteristics
- Update GW Model

Area 7

- Evaluate co-mingling of contamination with Area 2
- Collect additional hydrogeological data to better understand contaminant migration
- Update GW model



Wurtsmith RAB 2018 Activities



Protect human health by monitoring residential and public drinking water supplies:

The Air Force is implementing a monitoring schedule for two public-supply wells and 36+ residential wells for a three-year period.



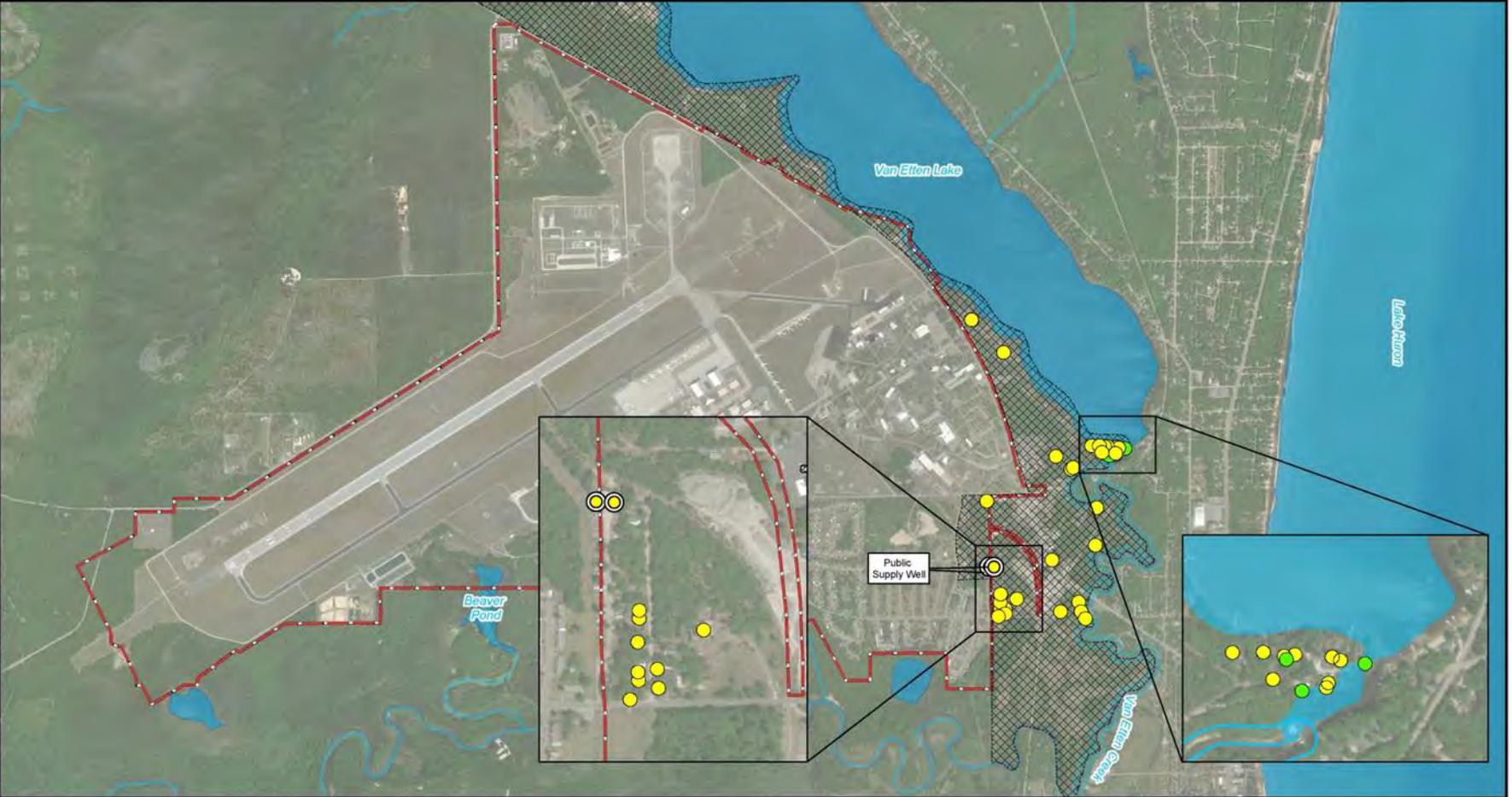
- Quarterly/Semiannual sampling beginning May 2018
- Annual sampling additional two years
- Additional outreach to capture all DW sources within the Air Force study area



Wurtsmith RAB 2018 Activities



DRAFT



Document Path: G:\Wurtsmith\EFCS_17529017\18a_1000\Residential Wells\2018_Private_Wells_WP_Sampling_Plan.mxd



Air Force Civil Engineer Center
2251 Hughes Avenue
Building 171, Site 155
JBSA Lackland, Texas 78236

Project: 775290177

By: AES

Date: 03/12/2018



0 1,000 2,000 4,000 Feet

SYMBOL KEY

- Private Water Supply - Quarterly Sampling
- Private Water Supply - Semi-Annual Sampling
- Public Water Supply - Quarterly Sampling
- Former Wurtsmith AFB Installation Boundary
- Potable Well Survey Area
- Stream
- Surface Water

Note: Additional sampling locations to be determined based on response from public notice/inquire.

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FIGURE
Potable Water Supply Sampling Schedule
Former Wurtsmith Air Force Base
Oscoda, Michigan

Private Well Sampling Work Plan



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RAB Business



Wurtsmith RAB RAB Business



- Wurtsmith Project and RAB Documents**

Document	
2 Aug. minutes	IR
19 Sep minutes + packet	IR
13 Feb minutes	IR
RAB Handbook	IR
Wurtsmith RAB Operating Procedures	IR
1992 & 2016 DSMOA	IR
RAB administrative docs	IR

Draft Final 2016 RAO Report: Arrow Street, Benzene Plant, and Mission Street P&TS	AR
DoD RAB Rule	IR

- Next RAB Meeting**
- Meeting evaluation cards**



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** Two minute time limit
- 04** RAB members will confer after your comment to see if a follow-up action is needed



Conclusion & Adjournment

