

Headquarters U.S. Air Force

Integrity - Service - Excellence

Former Wurtsmith AFB Community Meeting



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AFCEC Wurtsmith Environmental Team**

March 23, 2016

U.S. AIR FORCE



Overview

- **Air Force Program Objectives**
- **Program to date**
- **2015 Progress**
- **2016 Ongoing Plans**
- **Future**
- **Private Well Survey**
- **Wurtsmith Environmental Team**



Air Force Program

- **Committed to safety and well-being of the general public both on and off Air Force installations.**
- **Identify all locations where Air Force has reason to suspect a release of PFOS/PFOA**
- **Identify PFOA/PFOS exposure, if any, above EPA provisional health advisory (PHA)**
- **Mitigate exposures above PHA**



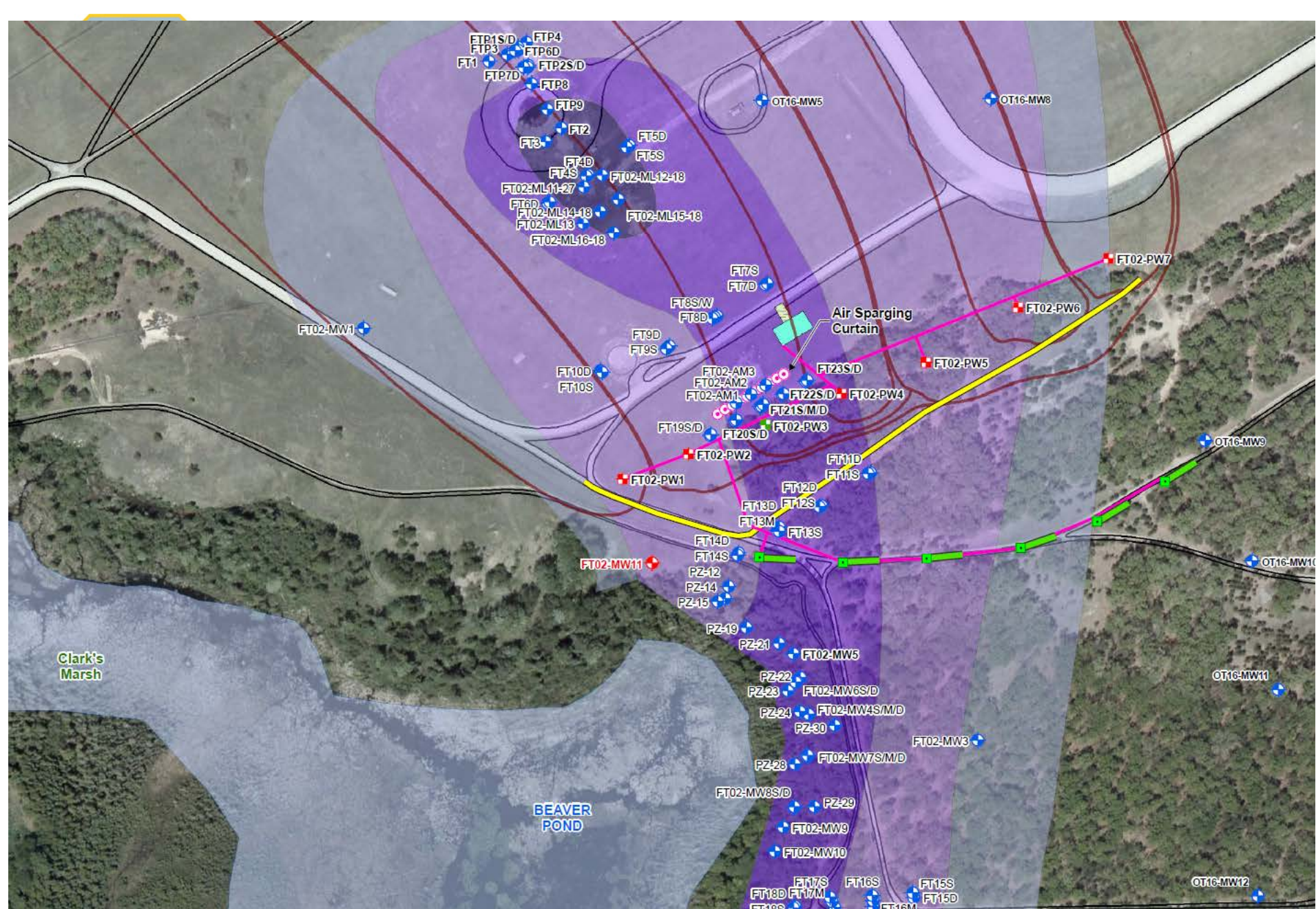
PFC Program Timeline

- **1970:** Aqueous Film Forming Foam (AFFF) is used at AF bases
- **2011:** MDEQ samples fish
- **Spring 2012:** MDHHS issues advisory
- **Fall 2012:** A base-wide site screening & detailed Fire Training Pit (FT-02) delineation was initiated
- **Spring 2013:** Site screening completed
- **2013:** A Focused Feasibility Study initiated for FT-02
- **Spring 2014:** Contract for groundwater containment system was awarded
- **April 2015:** System started operation
- **2015:** Air Force completes base wide records review to identify additional areas with likely AFFF releases
- **Winter 2015:** Residential well survey and PFC sampling initiated
- **Spring 2016:** Expected completion of well survey & sampling



2015 Progress

- **Completed construction and startup of PTS at FT-02 upgradient of Clarks Marsh**
 - System creates a roughly 2000 ft to intercept groundwater coming from FT-02 that is heading toward marsh
 - System construction cost \$2.4M and \$400K annual operations and maintenance
- **PTS operation began in April**
 - pumped approximately 80 million gallons in first 8 months
- **Initial data indicates significant drop in concentrations downgradient of system**
- **Records review to identify potential PFC release sites completed**
- **Residential well sampling identified potentially impacted wells and sampling completed in December**





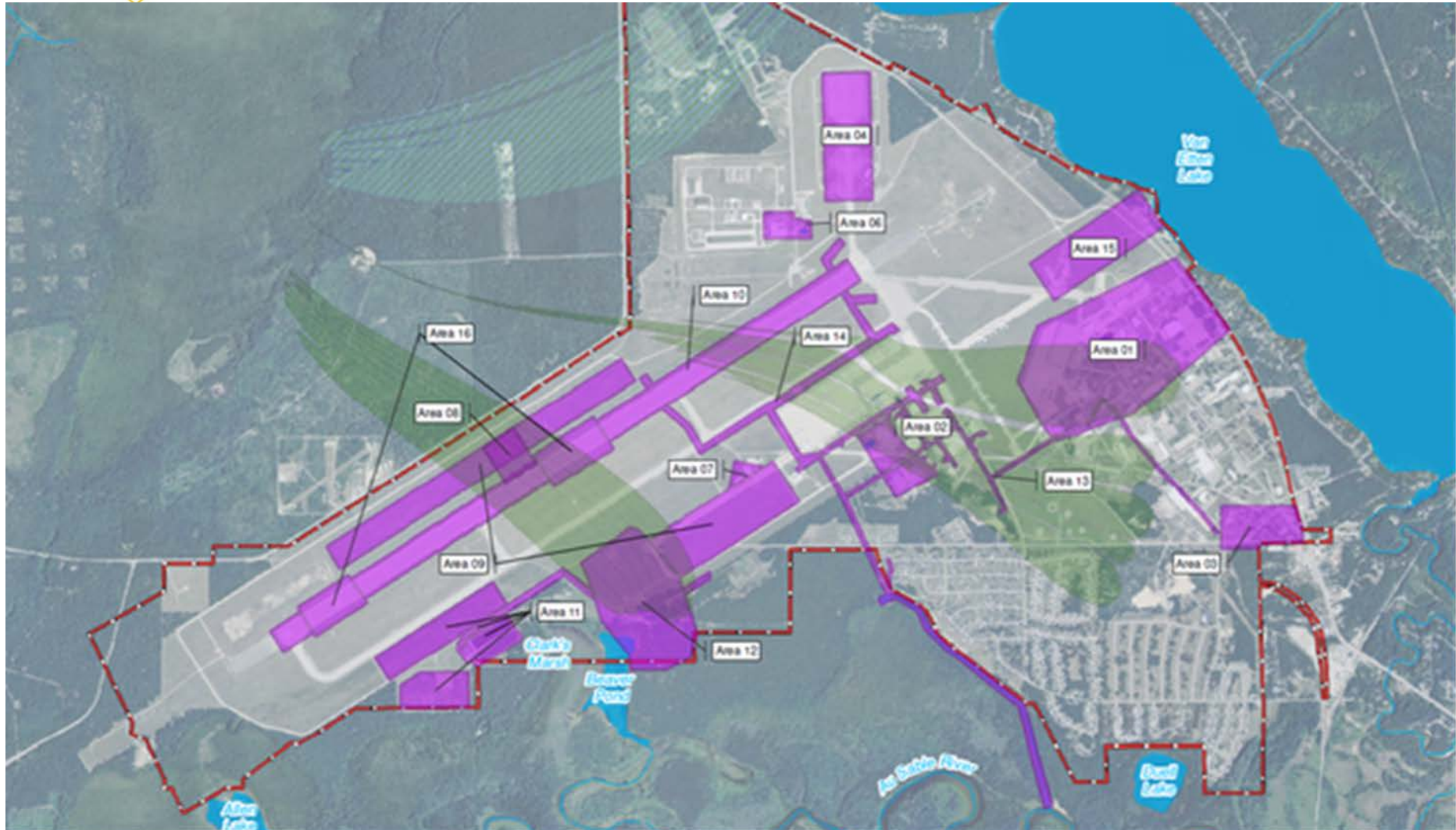
Path Forward

2016

- **Continue PTS operation**
- **Complete residential well survey and sampling**
- **Conduct site assessments at 15 locations with suspected PFC releases**
- **Continue monitoring of fish tissue at Clark's Marsh**



2016 Investigation



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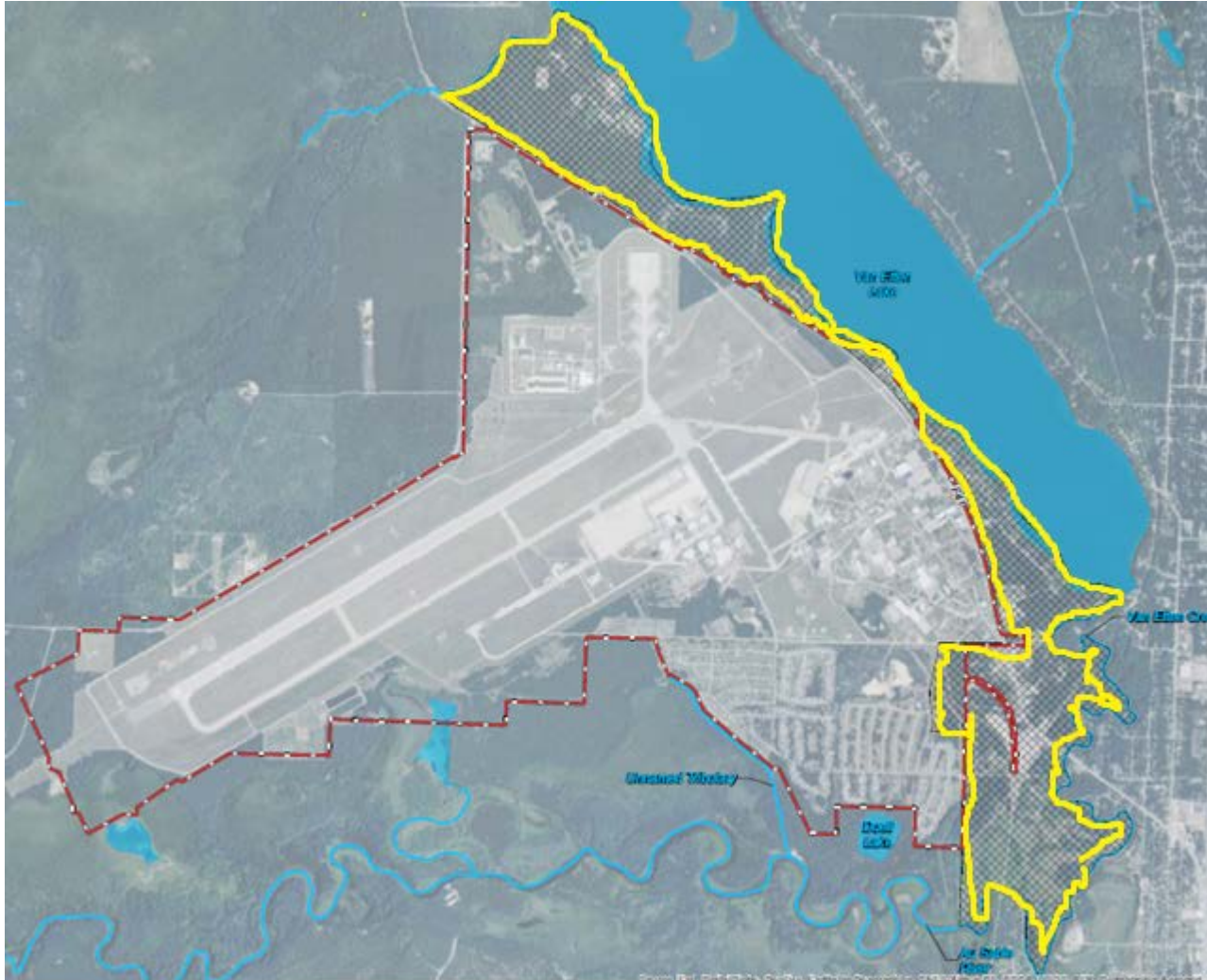


Private Well Survey

- **In the fall of 2015, the Air Force contracted with Amec Foster Wheeler to inventory and sample private wells with potential AFFF impacts**
- **Identified private wells in coordination with MDEQ to sample**
- **Sampled Whispering Woods in September 2015**
- **Sampled private wells which were accessible in December**
- **Seasonally occupied homes will be sampled when owners return**



Survey Area





Private Well Sample Results

- **EPA Provisional Health Advisory**
 - PFOS = 200 ppt; PFOA = 400 ppt
- **All sample results were well below PHA**
- **Whispering Woods results**
 - PFOS 6 ppt and 9.6 ppt; PFOA non-detect
- **23 residential locations with wells sampled**
 - 8 wells with PFOS and/or PFOA
 - PFOS from 10.6 ppt to 27.8 ppt
 - PFOA from 17.7 ppt to 51 ppt



Wurtsmith Environmental Team

- **AFCEC** executes Air Force policy to protect the public from exposures above the health advisory
- **Michigan Department of Environmental Quality** maintains long standing program oversight roll
- **Michigan Department of Health and Human Services (DHHS)** coordinates closely on public health implications
- **Team** informs community of developments and progress

Contact Us

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QUESTIONS?