

Air Force Installation & Mission Support Center



Wurtsmith Restoration Advisory Board Meeting

21 Oct 2020

AFCEC/CIB



Former Wurtsmith AFB RAB

Checklist for Virtual Participation

- ✓ If you prefer to join audio by phone, please dial the call in number and enter the access code and audio PIN number to enter the meeting. Click the microphone icon on the dialogue box and a drop down menu will give you the option for “computer” or “phone call”. Select “phone call” to enter the meeting.
- ✓ RAB Members – mute when not speaking and turn on your video camera if you are able.
- ✓ If necessary, rename yourself by hovering over your name in the “attendees” tab and providing your first and last name
- ✓ Use attendees tools to raise your hand
- ✓ To enable closed captions for language support, use toolbar button
- ✓ Contact the RAB Coordinator with access questions rabcoordinator@aerostar.net



- **Welcome and introduction – Tim Sueltenfuss**
- **Stakeholder and RAB member updates**
 - Air Force update – David Gibson (AFCEC)
 - Updates relevant to the RAB – RAB members
- **Remedial investigation (RI) and interim remedial actions (IRAs) status – Paula Bond**
- **RAB business update**
- **Public comment**
- **Conclusion – RAB Co-Chairs' closing remarks**
- **Adjourn**



Former Wurtsmith AFB RAB

RAB 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 different 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



Former Wurtsmith AFB RAB

Welcome and Introductions



- Review current members
- Approve meeting summary from July 2020
- Public comment procedure
 - To indicate that you'd like to make public comment, please chat the host or email Tim Sueltenfuss by 5:20pm
 - 3 minutes per person
- RAB participation
 - Indicate you'd like to speak by clicking the blue hand icon or speaking up
 - You may mute and unmute yourself
 - Be patient and kind please
- Email tech questions to: rabcoordinator@aerostar.net



Former Wurtsmith AFB RAB



Stakeholder Updates



- **Relative risk site evaluation worksheets**
 - Review ended 19 Sep 20; comments did not impact site rankings
 - Air Force Responsiveness Summary posted to the Administrative Record
- **Fourth 5-Year Review under review at AFCEC**
- **Soil vapor study (VI) underway**
 - Determine presence/absence of soil-gas above EGLE VI criteria
 - Report will be prepared after 4 quarters of data are collected, April 2021
 - Results will determine if further evaluation is required



Former Wurtsmith AFB RAB Stakeholder Updates

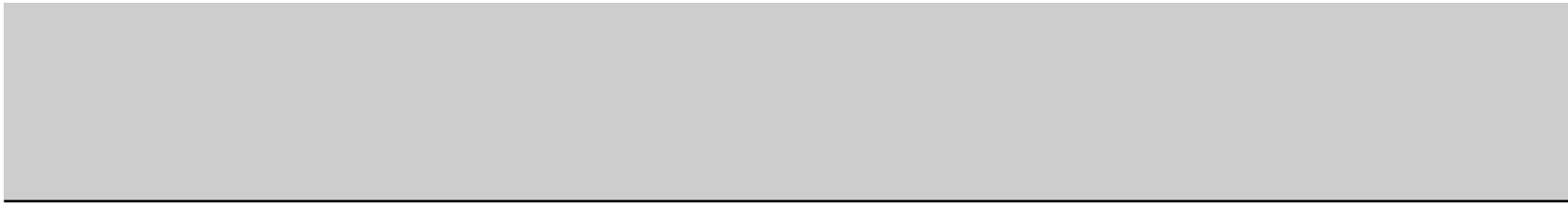
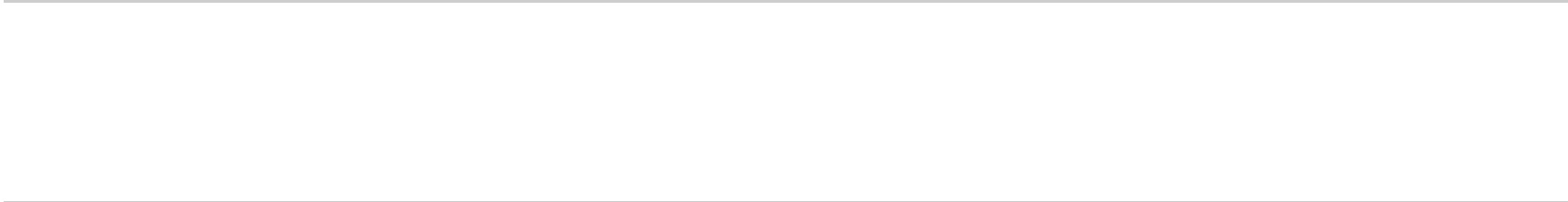
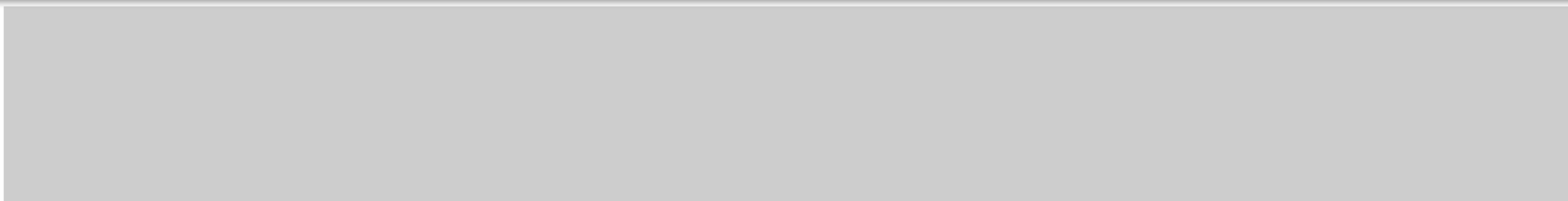


Community
RAB Members



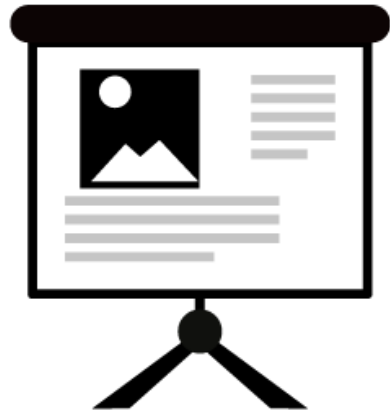


Former Wurtsmith AFB RAB Stakeholder Updates





Former Wurtsmith AFB RAB



Presentation:

USAF Remedial
Investigation and Interim
Remedial Action Update



PFAS Remedial Investigation (RI) Contract

- **Contract awarded on 14 July 2020 to Aerostar**
- **Scope of work includes:**
 - Developing project work plans
 - Sampling environmental media (soil, sediment, groundwater, soil, biota)
 - Delineating sites, defining nature and extent of PFOS, PFOA and PFBS and contaminants of concern in the MI list of potential ARARs
 - Baseline Human Health and Ecological Risk Assessments
 - Remedial Investigation Report
 - Two interim remedial actions
- **Contract type allows for maximum flexibility to adjust sample types, locations and quantities based on changing needs**
- **Period of performance July 2020 through January 2023**



Former Wurtsmith AFB RAB RI Site Terminology Crosswalk



■ The RI will address PFOS/PFOA base wide and the findings provided using four sites:

- CAT605P
- FT002
- CG410
- ST069

■ The adjacent table shows the grouping of AFFF areas into these four sites

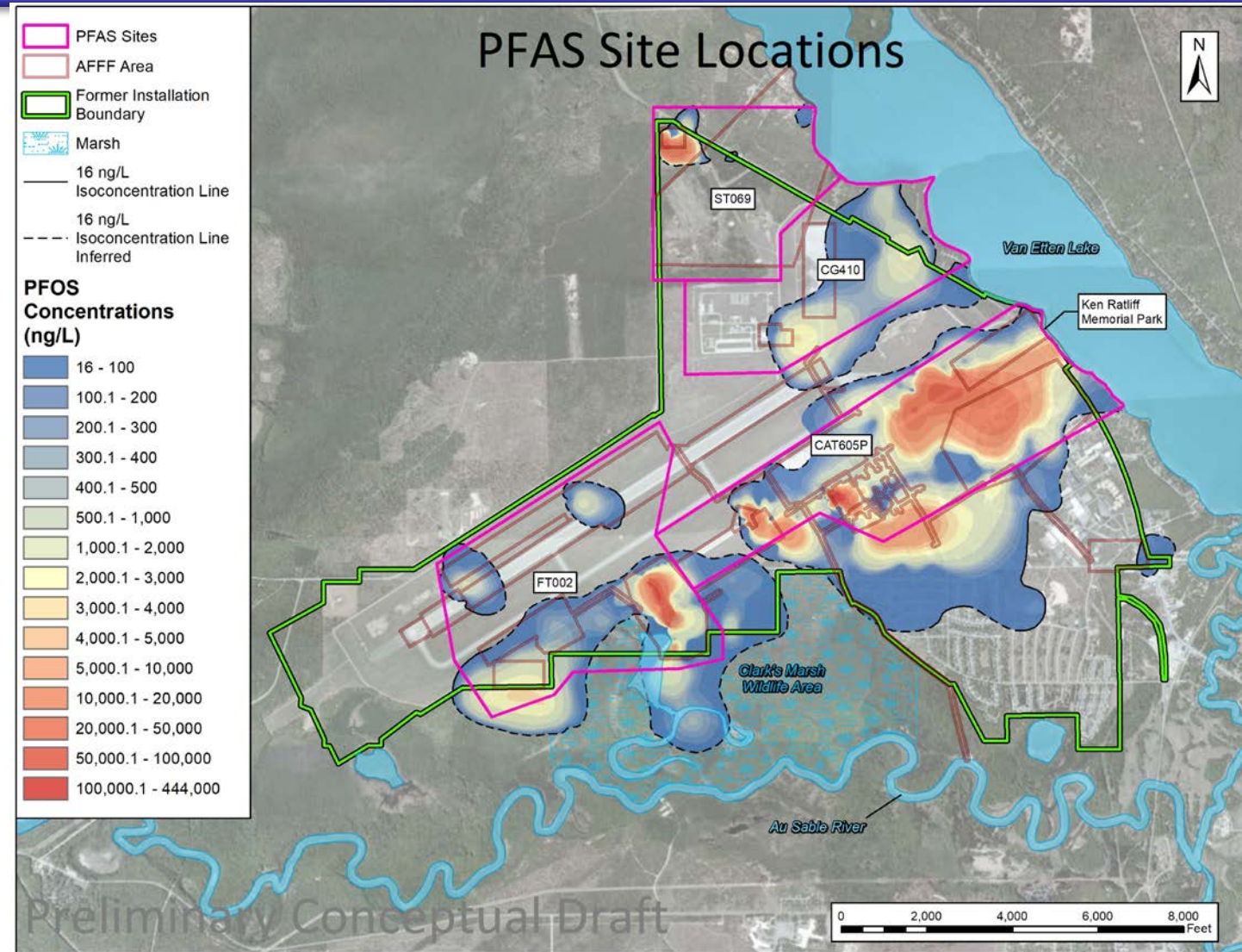
PFAS Site	AFFF Area
CAT605P	Area 1 – Base Operation Apron (BOA) Area 2 – Maintenance Hangar (Buildings 5063, 5084, BPPTS and MDPTS) and Sanitary Sewer Line Area 3 – WP004 Area 7 – Building 5091 and 5092 Area 14 – Past Air Force Storm Sewer Line Use Area 15 – Site SS071
CG410	Area 4 – Aircraft Alert Area Area 6 – Integrated Maintenance (Buildings 5306)
ST069	Area 5 – DRMO Area 17 – LF030/031
FT002	Area 8 – KC-135 Crash Site Area 9 – Prior Air Force WWTP Drying Bed Area 11 – Prior Air Force WWTP Lagoon/Sludge Disposal Areas Area 12 – Fire Training Area and Clark's Marsh



Former Wurtsmith AFB RAB RI Sites



PFAS Site association with AFFF Areas





Former Wurtsmith AFB RAB

RI Objectives



- **Delineate the nature and extent of PFOS, PFOA, and PFBS in groundwater, soil, surface water, and sediment**
- **Develop comprehensive understanding of routes of exposure from source areas to receptors**
- **Assess baseline human health and ecological risk**
- **Identify list of potential Applicable or Relevant and Appropriate Requirements (ARARs)**



- **Analyze Existing Data**

- Review Conceptual Site Model
- Identify Data Needs (data gaps)

- **Data Quality Objectives**

- Site Characterization
- Risk Assessment
- Analytical Method (e.g. DOD Quality Systems Manual Table B-15)



- **Identify Potential Applicable or Relevant and Appropriate Requirements (ARARs)**
 - Federal or State laws, rules, or regulations used in determining the concentration to delineate chemicals of concern as well as the cleanup standard at the ROD stage
 - The intent at this time is to delineate six of the seven PFAS compounds for which there are MI MCLs (GenX excluded)
 - OSD will decide whether the Air Force can consider these MCLs as potential ARARs for the ROD



- **Develop RI Work Plan (Uniform Federal Policy- Quality Assurance Project Plan)**
 - Presents goals and objectives of RI
 - Presents site background and current conceptual site model
 - Documents sampling decisions made during scoping
 - Outlines field tasks to be performed
 - Establishes data quality objectives
 - Presents quality control and quality assurance procedures
 - Documents locations and frequencies of specific sampling efforts
 - Will be dynamic to support phased or iterative sampling
- **Goal is to complete scoping and Work Plan by March 2021**



Former Wurtsmith AFB RAB BCT Scoping Meetings – RI Work Plan

- **Initial scoping meeting held with EGLE on 20 Aug 20**
- **Interim Remedial Actions meeting held on 7 Oct 20**
- **Data Quality Objectives meeting held 15 Oct 20**
- **Risk Assessment (October)**
 - Data quality requirements
 - EGLE Part 201 requirements
 - Background data discussion
- **Potential ARARs (November)**



Former Wurtsmith AFB RAB Interim Remedial Actions (IRAs)



- **Address GW plume impacting Van Etten Lake at Ken Ratliff Memorial Park**
 - Install additional extraction wells based on existing data
 - Install additional GAC treatment train at the CTS to handle the volume from new extraction wells
- **Address GW plume impacting Clark's Marsh**
 - Install additional extraction wells based on existing data
 - Upgrade existing GAC treatment facility to handle the larger volume from new extraction wells
 - Expand existing infiltration gallery
- **Interim Proposed Plan and Interim ROD planned for each action**



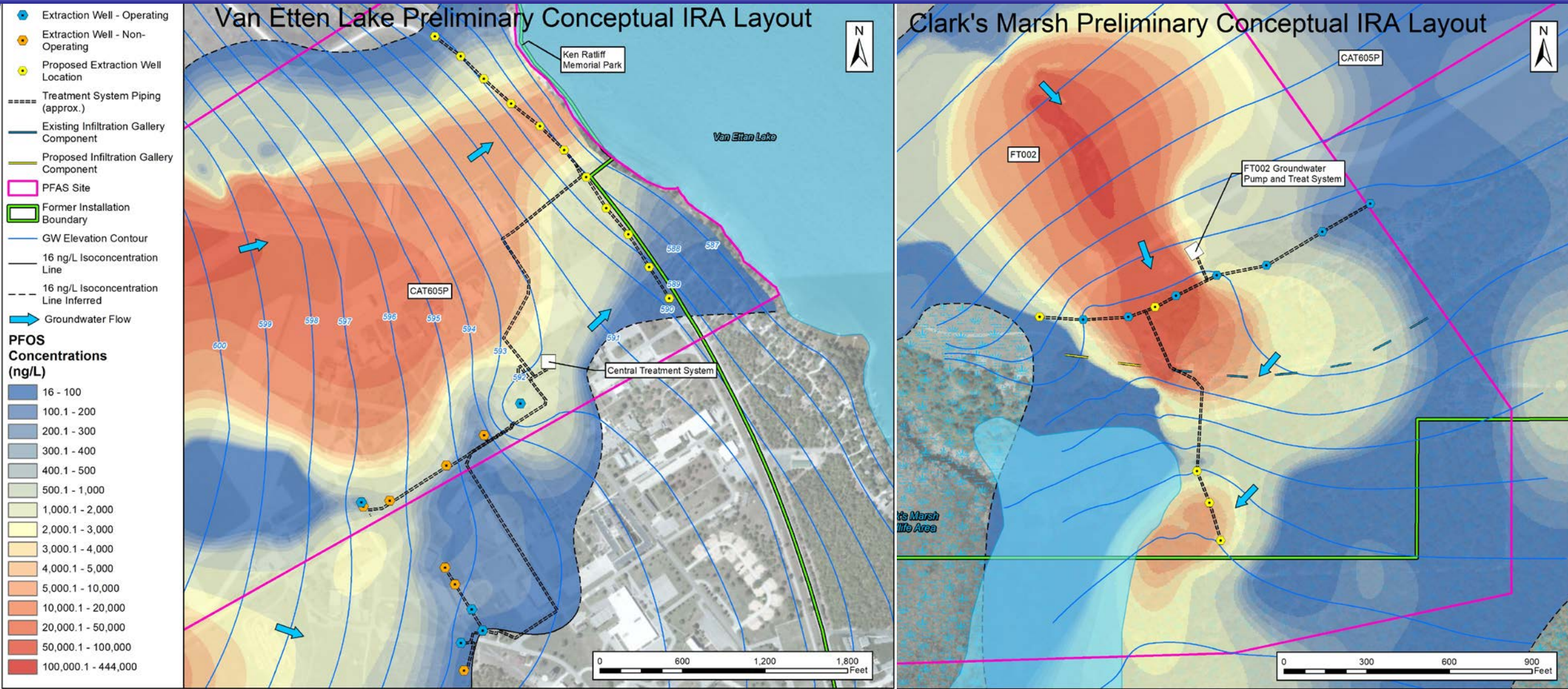
Former Wurtsmith AFB RAB IRA Execution Plan



- **Analyze Existing Data**
 - Identify data needs to support the remedial design
- **Prepare Interim Proposed Plans (PP)**
 - 30 day public comment period
- **Prepare Interim RODs**
- **Prepare Designs (in parallel with Interim PP)**
- **Goal is to finalize the IRA designs by April 2021**



Preliminary IRA Extraction Well Locations





Former Wurtsmith AFB RAB Factors Affecting Start up of IRAs



- **Finalize Project Requirements**
 - Location of new extraction wells
 - New piping runs and utility connections
 - Treatment building infrastructure
 - Treatment system equipment
- **Interim Proposed Plan and Interim ROD review periods**
- **Design review period**
- **Access to non-Air Force property**
- **Weather**
- **COVID-19?**



■ Remedial Investigation

- Complete Work Plan: March 2021
- Start of fieldwork: April 2021
- Target completion of RI report: June 2022

■ Interim Remedial Actions

- Start of designs: September 2020
- Start of installation: April 2021
- Complete installations: September (Van Etten Lake) and December (Clark's Marsh) 2021



Former Wurtsmith AFB RAB



Questions



Former Wurtsmith AFB RAB



RAB Business



Former Wurtsmith AFB RAB

RAB Business



- **Appointment of Primary Community RAB Member**
- **Action Item Review**
- **Community Co-Chair**



Former Wurtsmith AFB RAB



Public Comment



Guidelines

- 01** | Indicate you want to make a comment (follow guidance)
- 02** | Wait until the facilitator states you can start your comment
- 03** | Three minute time limit
- 04** | RAB members will confer after your comment to see if a follow-up action is needed



Former Wurtsmith AFB RAB



Conclusion, Adjournment



Your Success is Our Mission!