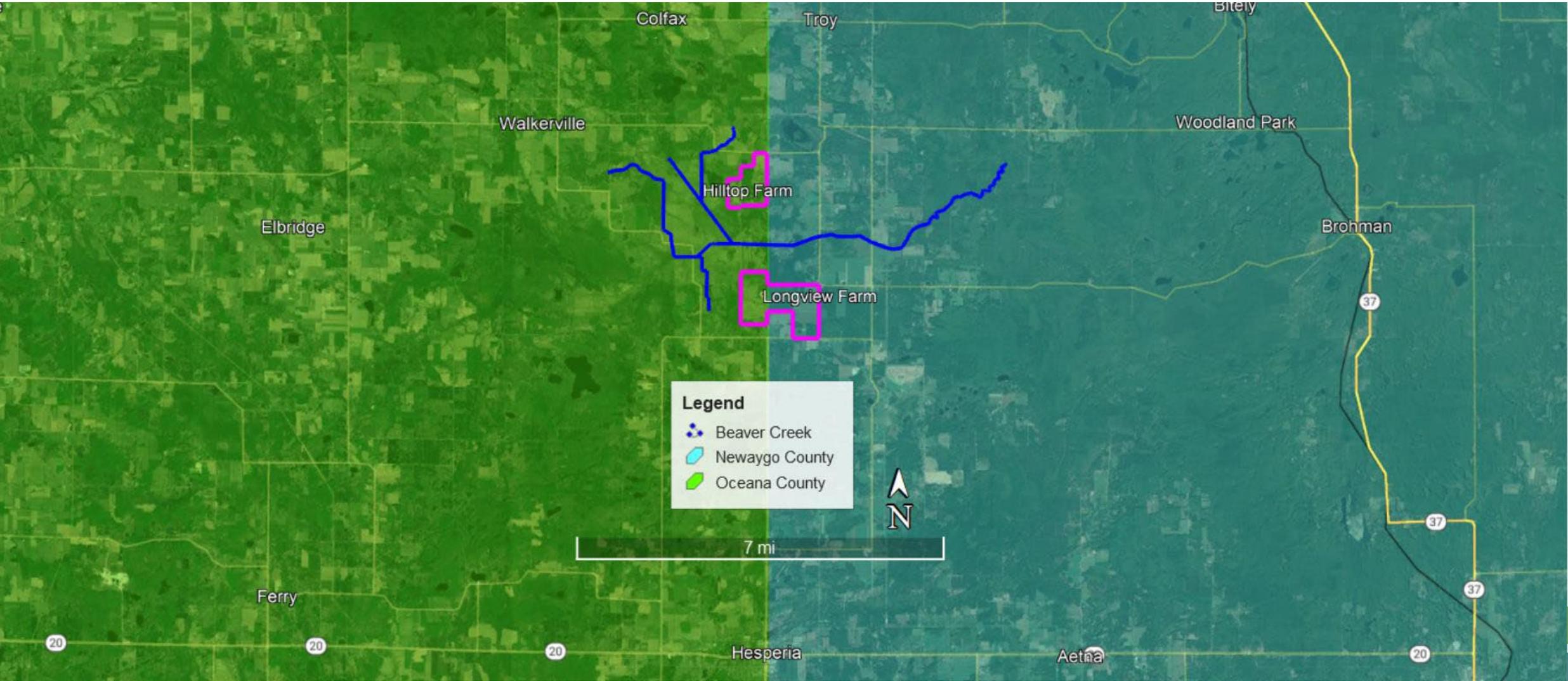


Eagle Ottawa Newwaygo Farms PFAS Site Investigation

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Eagle Ottawa Newwaygo Farm Locations



Background

- Eagle Ottawa Leather Company – operations ceased 2007
 - Mid-1990s to 2006/2007
 - Tannery wastewater residuals transported from Grand Haven
 - Agricultural Use Authorization (AUA)
 - Composted and then land applied to Longview and Hilltop fields
 - Eagle Ottawa Newaygo Farms
 - Leavitt (Oceana Co.) and Beaver (Newaygo Co.) Townships
 - 2004 to Present – Concentrated Animal Feeding Operations / farm – pigs
 - 2007 – Eagle Ottawa Newaygo Farms sells Longview and Hilltop locations
 - December 2021 – New owner submits Baseline Environmental Assessment (BEA) to EGLE
 - Ownership starting June 2021
 - Initial PFAS data

Baseline (BEA) Investigation

Longview

- Max concentrations
 - Shallow groundwater (depth 0.5' to 10')
 - 1,800 parts per trillion (ppt) – PFOA
 - 80 ppt – PFOS
 - 8.3 ppt - PFNA
 - Surficial soil (depth 1' to 2')
 - 240,000 ppt – PFOS
 - Drinking water well (depth unknown)
 - Non-detect

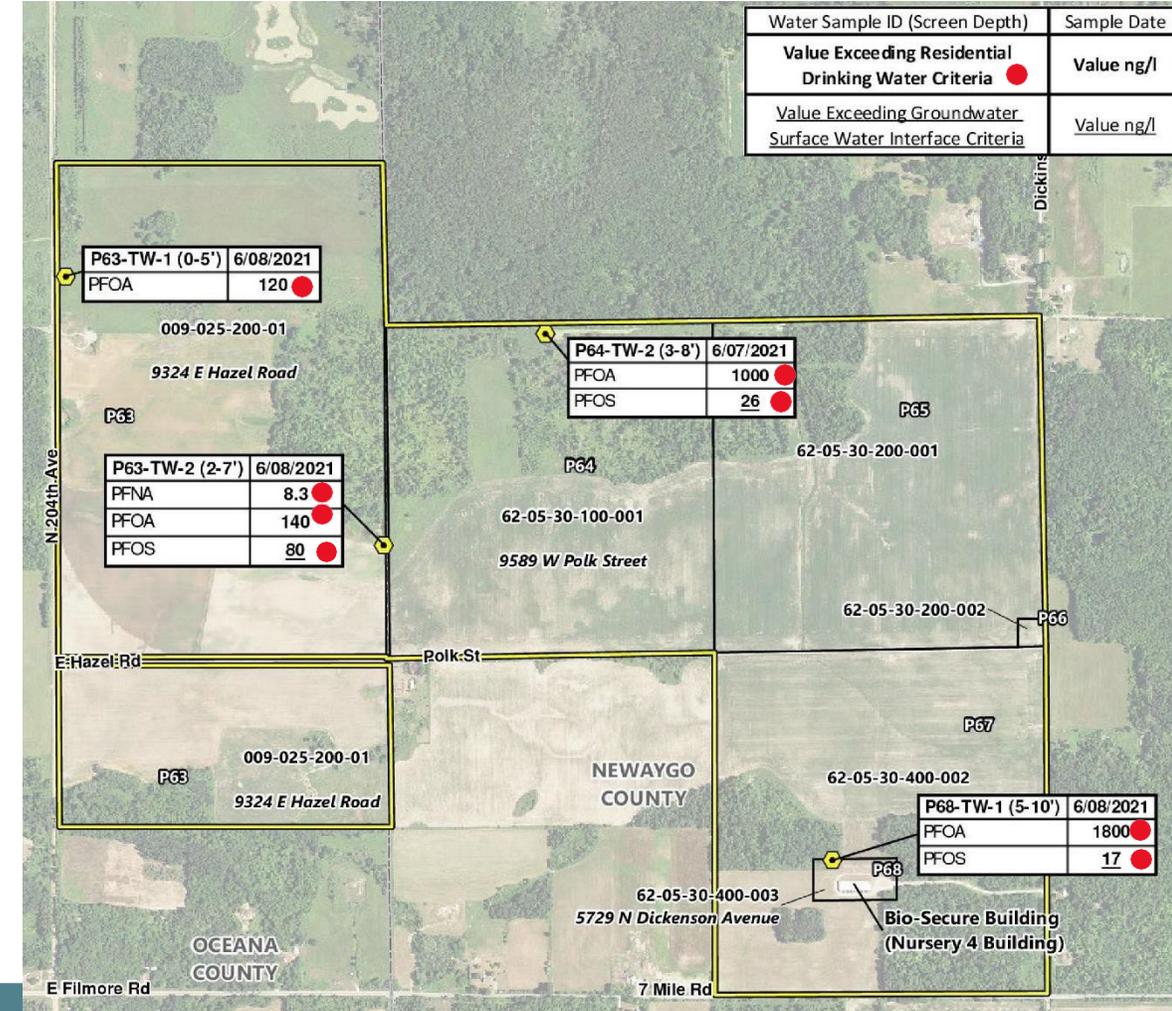
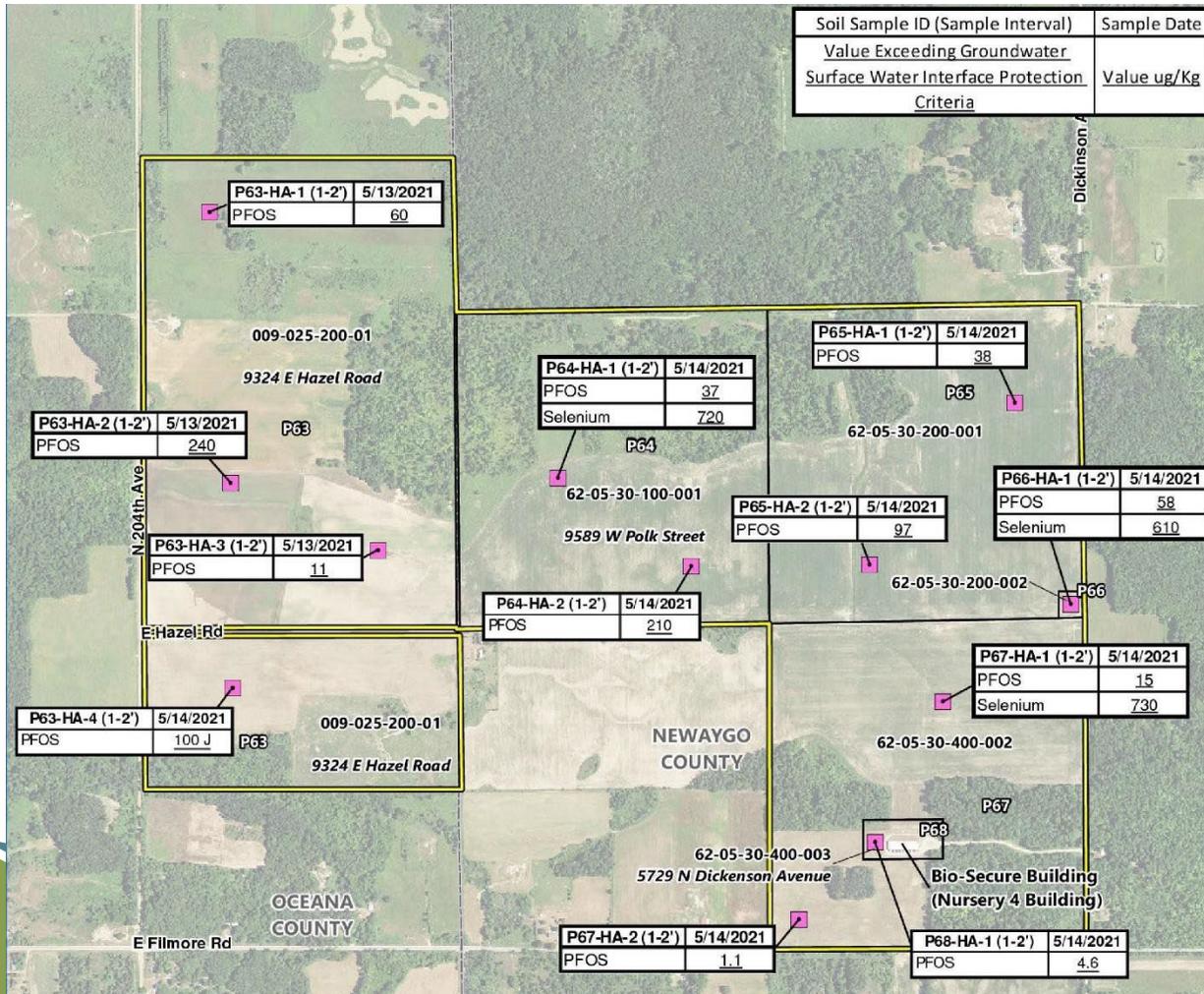
Hilltop

- Max concentrations
 - Shallow groundwater (depth 4.5' to 19')
 - 307 ppt – PFOA
 - 680 ppt – PFOS
 - 20 ppt - PFNA
 - Surficial soil (depth 1' to 2')
 - 200,000 ppt – PFOS
 - Drinking water well (depth 50' - unconfirmed)
 - 307 ppt – PFOA
 - 740 ppt (resample) - PFOA

BEA Data Maps – Longview (800 acres)

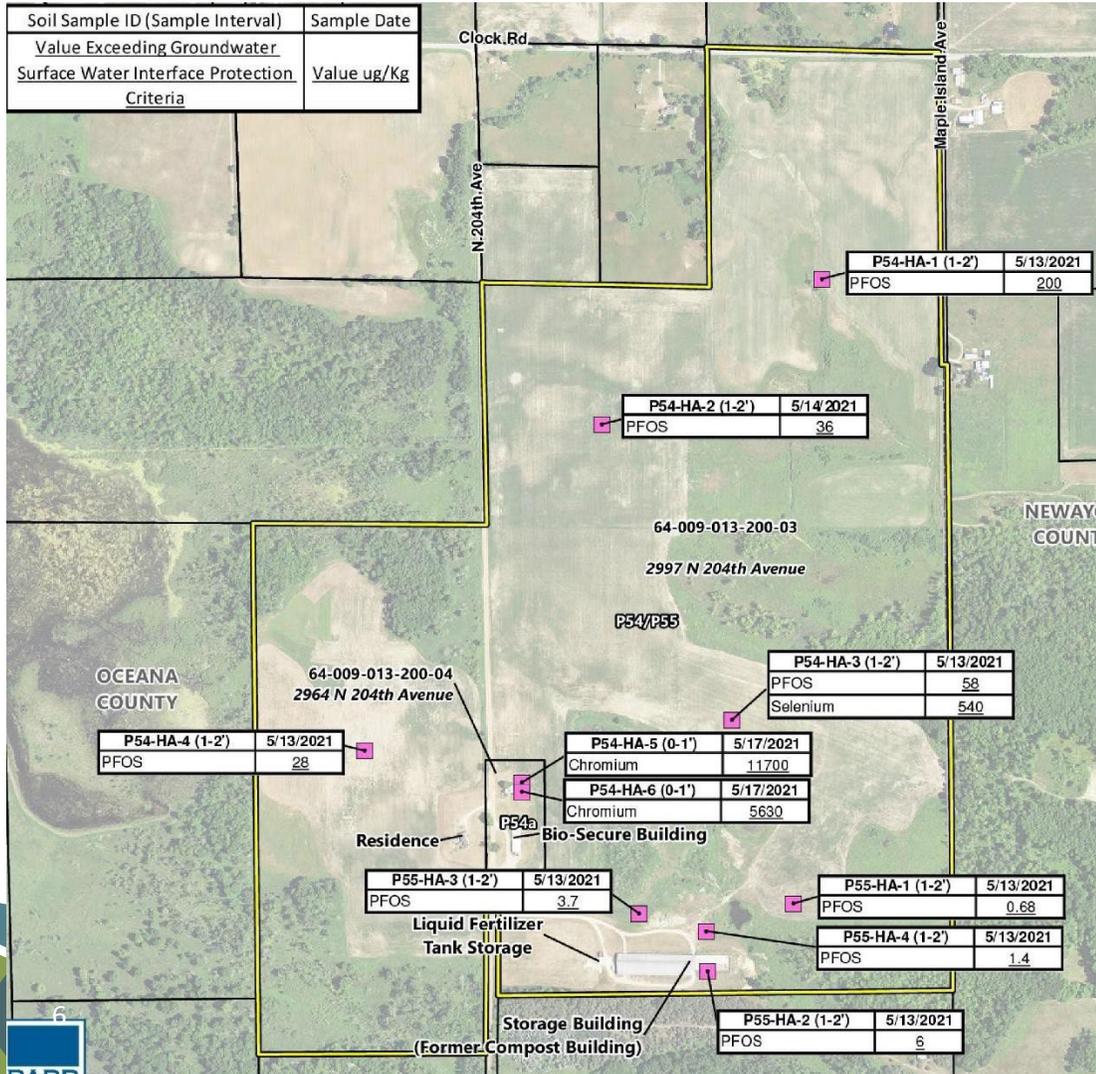
Soil

Shallow Groundwater

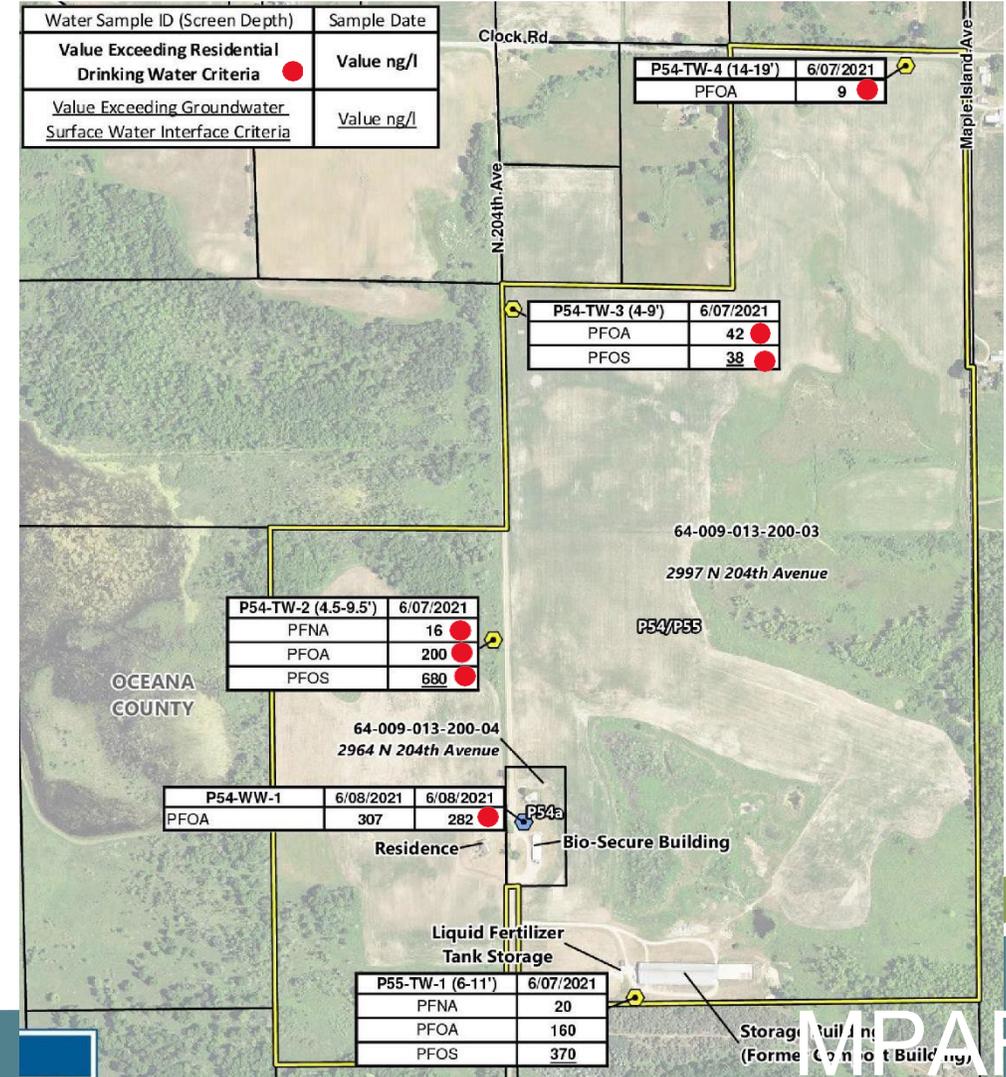


BEA Data Maps – Hilltop (300 acres)

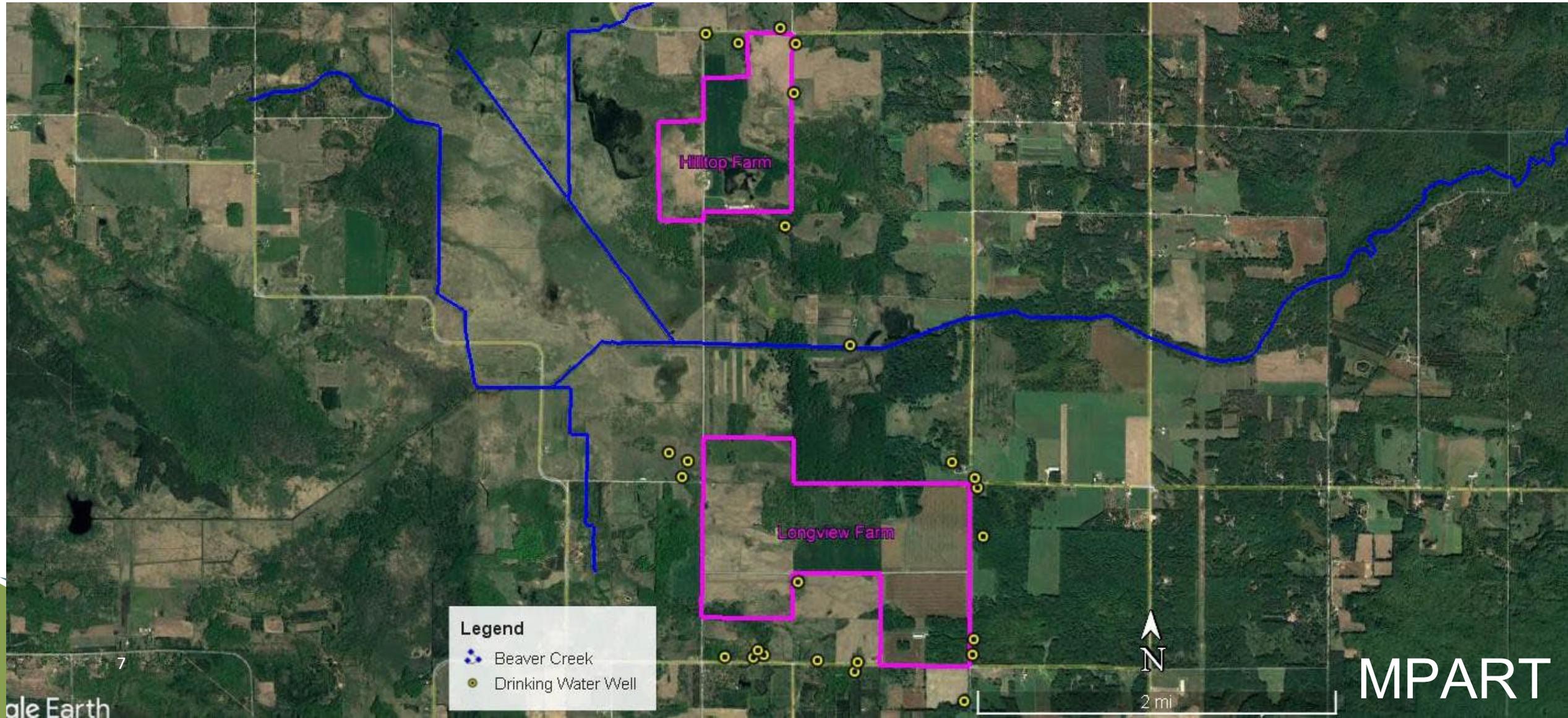
Soil



Shallow Groundwater



Residential Well Sampling – 25 Locations



Additional Information – Due Care

- Current owner
 - Installed granular activation carbon (GAC) filter
 - Hilltop water well
 - Assessed recent pig feed grown from Hilltop and Longview
 - 0.7% to 2% - mostly corn kernels
 - 98% to 99.3% grown from other sources
 - Irrigation wells analyzed for PFAS
 - Hilltop – non-detect
 - Longview – PFHxA = 5.4 ppt < drinking water criteria (400,000 ppt)

Timeline of Events

- **Dec. 27, 2021** – EGLE received Baseline Environmental Assessment (BEA)
- Dec. 28 – EGLE-Remediation and Redevelopment Division (RRD)-Grand Rapids holds District meeting
- Jan. 3-4, 2022 – EGLE compiles and discusses available drinking water well logs w/local health
- Jan. 3, 2022 – EGLE first met with MDARD, DHHS, local health, and MPART
 - Requests geologic review from Western Michigan University
- Jan. 4 – MDARD first contacts farm owner
- Jan. 6 – EGLE meets with DHHS to discuss residential sampling strategy
- Jan. 10 – MPART meets with EGLE (RRD, Materials Management Division (MMD), Water Resources Division (WRD)) and MDARD
- Jan. 11 – DHHS creates initial draft of Public Health Action Plan (PHAP)
- Jan. 13 – EGLE proposes sampling locations to DHHS and local health
- Jan. 13 & 18 – EGLE MMD & WRD respectively provide records to RRD
- Jan. 18 – EGLE requests approval for drinking water sampling resources
- Jan. 27 – draft “Timeline of Events” following record review
- Jan. 31 – Update meeting with MPART, EGLE, MDARD, DHHS and local health
- Feb. 3 – EGLE notifies Township Managers
- **Feb. 4** – EGLE mails letters to request access to 25 residences
 - 36 letters (mailed to owner and property addresses when different)

**EGLE Site Lead
workload**
127 hours
(excludes other
SOM staff
involvement
hours)

Timeline of Events

- Feb. 11 – EGLE initiates creation of new webpage via MPART
- Feb. 11 – MPART discussed farm operations with owner
- Feb. 16 – EGLE Compliance and Enforcement complete liability review
- Feb. 18 – MPART, EGLE, MDARD discuss farm operations with owner
- Feb. 28 – EGLE drafts compliance communication to Lear Mexican Seating Company
- Mar. 1 – EGLE issues compliance communication to Lear Mexican Seating Company
- Mar. 7 – Dry run presentation for Local Officials meeting (MPART, EGLE, DHHS, MDARD)
- Mar. 8 – EGLE canvasses residences door-to-door
 - Left access request letter and notification of investigation at front door.
- Mar. 11 – MPART holds Local Officials meeting presentation
- Publishes new Eagle Ottawa Newaygo Farms project webpage
- Mar. 16 & 31 – EGLE samples 14 drinking water wells with AECOM
- Collected access agreements from Feb 22nd to March 31st
- 6 refused or unable to contact and 3 unoccupied properties
- Mar. 28 – First sample results received
- Apr. 26 – MPART meets with CAWG subcommittee
- TBD – EGLE to sample two additional drinking water wells (seasonal residences)

EGLE Site Lead
workload

~75 hours

(excludes other
SOM staff
involvement
hours)

MDARD Outreach

- Jan. 4 – MDARD first attempts to contact farm owner
- Jan. 4 – Jan. 31 – MDARD corresponded with farm owner attorney to inquire into the status of animals and crops at the two locations.
- Jan. 20 – MDARD met with farm owner to further discuss the status of animals and crops at the two locations.
- Feb. 11 – MPART and MDARD met with farm owner attorney
- Feb. 18 - MPART and MDARD met with farm owner attorney
- Mar. - Apr – Review of crop uptake of PFAS research

Next Steps

- EGLE is meeting with Lear Mexican Seating Company on May 4th
- Additional discussion with farm owner on documentation of Due Care compliance.
- Follow-up with additional residential well owners for access to sample drinking water well.

Remediation and Redevelopment Division

Project Manager Workload

# Part 201 ~370 Facilities	# Part 213 ~56 Open Sites	Newaygo, Oceana, Barry, Montcalm Counties
# PFAS Sites / Areas of Interest (AOI) 6	State-Funded (Triage, UST Excavation, O&M, VI, etc.)	Brownfield Program Support
Incident / Complaint Response	Statutory Deadlines	Technical and Program Support (TAPS) Teams

MICHIGAN PFAS ACTION RESPONSE TEAM (MPART)

www.Michigan.gov/PfasResponse

The logo for the Michigan Department of Environment, Great Lakes, and Energy (EGLE). The letters 'EGLE' are in a bold, sans-serif font. The 'E' is green, and the 'G', 'L', and 'E' are blue. A white wave-like line runs through the middle of the letters.

MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY



Questions
