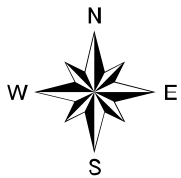
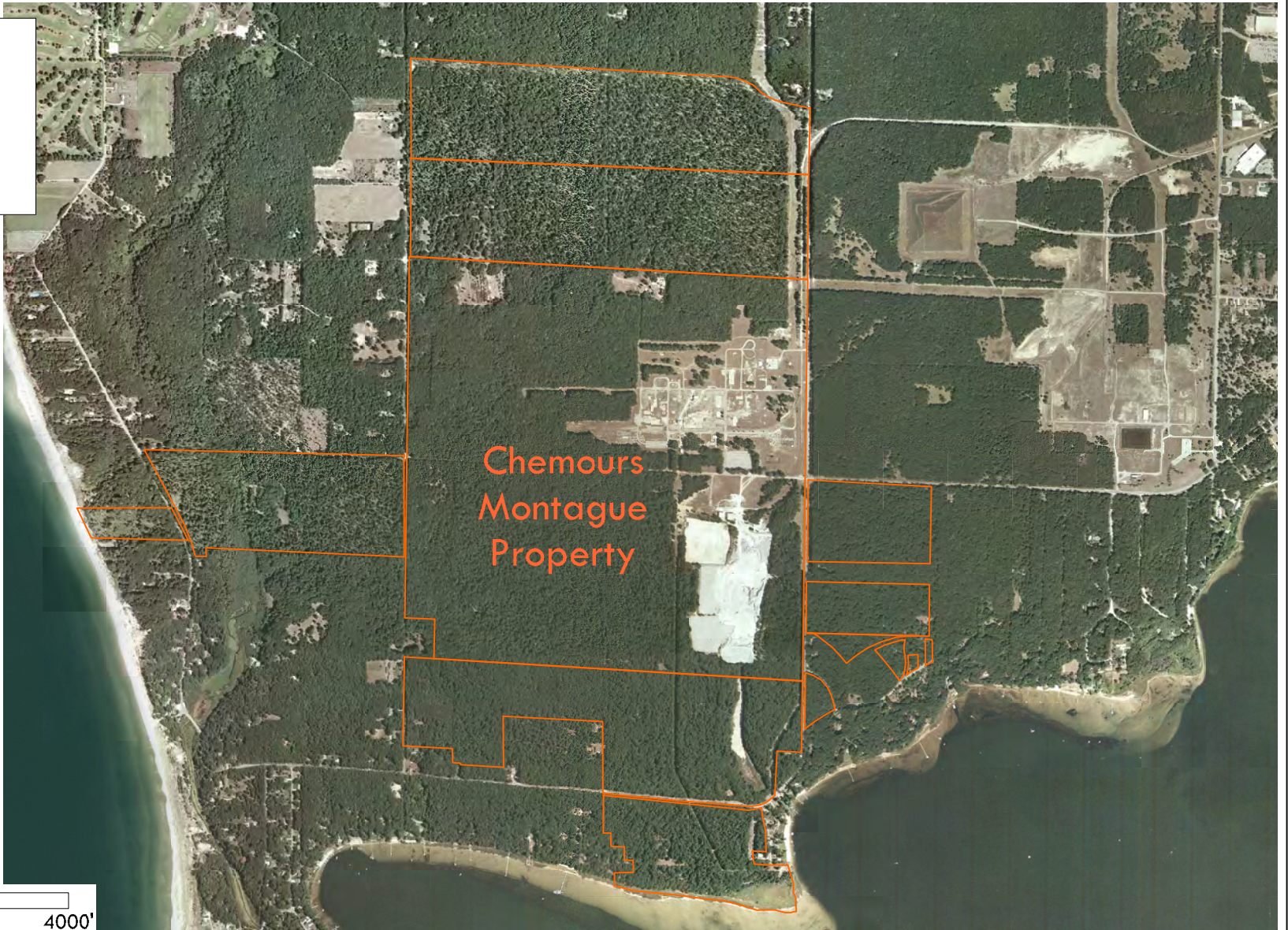


Figures

Notes:

Site property parcels are shown outlined in orange.

Photograph Source:
USGS High Resolution Orthoimage
Muskegon County, Michigan, 2005.



0' 2000' 4000'



Sabre Building, Suite 300
4051 Ogletown Road
Newark, DE 19713

TITLE:

Site Location Map
Data Gaps Investigation for VIAP Evaluation
Chemours Montague Site
Montague, Michigan

DWN:

GEG

CHKD:

MMM

DATE:

09/03/2021

APPD:

REV:

PROJECT NO:

60426635

FIGURE NO:

1

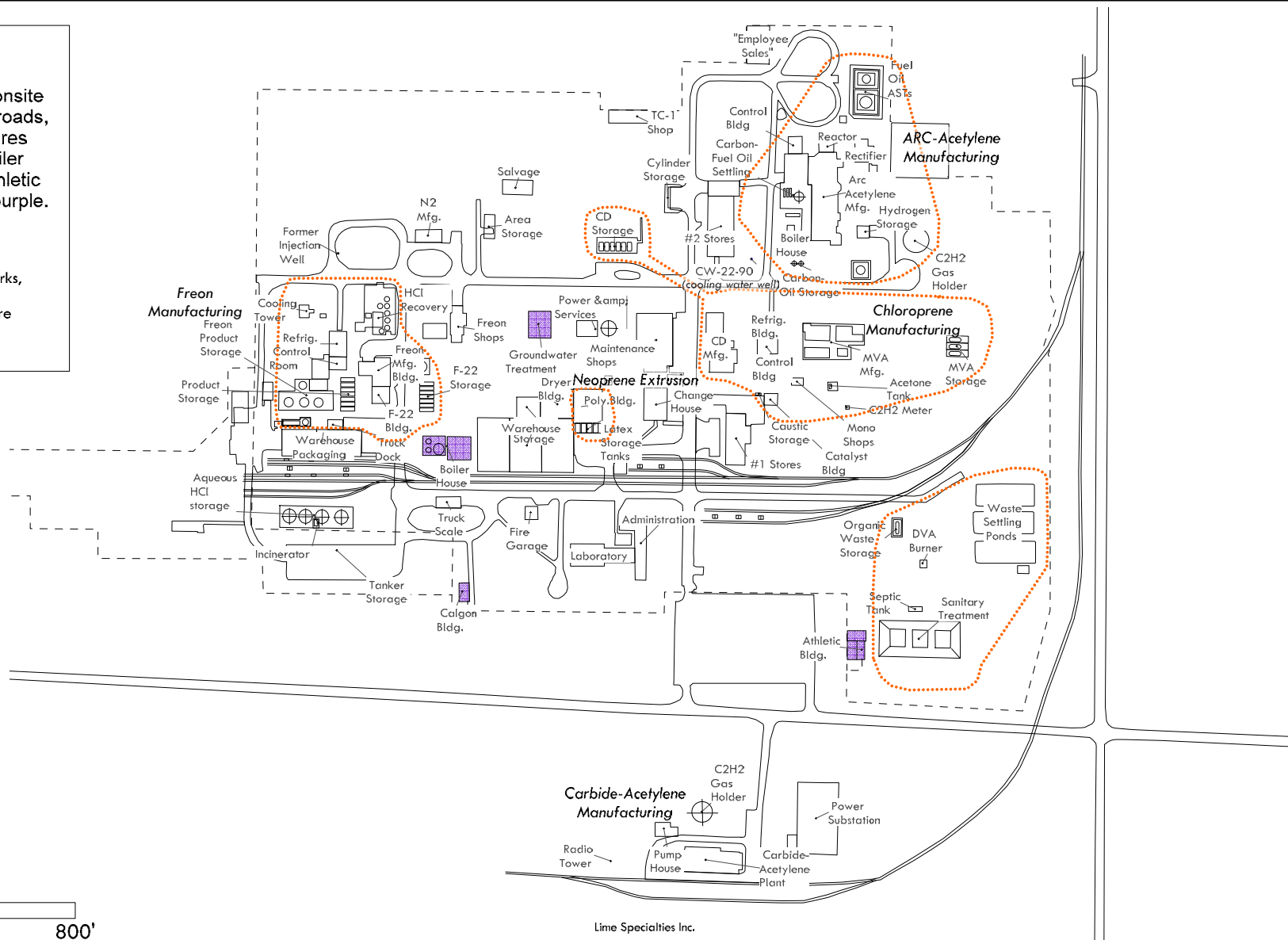
Notes:

This map primarily shows historic structures present onsite in 1966 (buildings, fences, roads, tank farms). Current structures (groundwater treatment, boiler house, Calgon Bldg and Athletic Center) are also shown in purple.

Map Base Source:

"Map Dated 1966 Montague Works, DuPont".

Structures have been aligned where possible with foundations in recent high resolution orthophotographs.



Sabre Building, Suite 300
4051 Ogletown Road
Newark, DE 19713

TITLE:

Former Process Areas
Data Gaps Investigation for VIAP Evaluation
Chemours Montague Site
Montague, Michigan

DWN:

GEG

CHKD:

MMM

DATE:

09/20/2021

APPD:

REV:

PROJECT NO:

60426635

FIGURE NO:

2

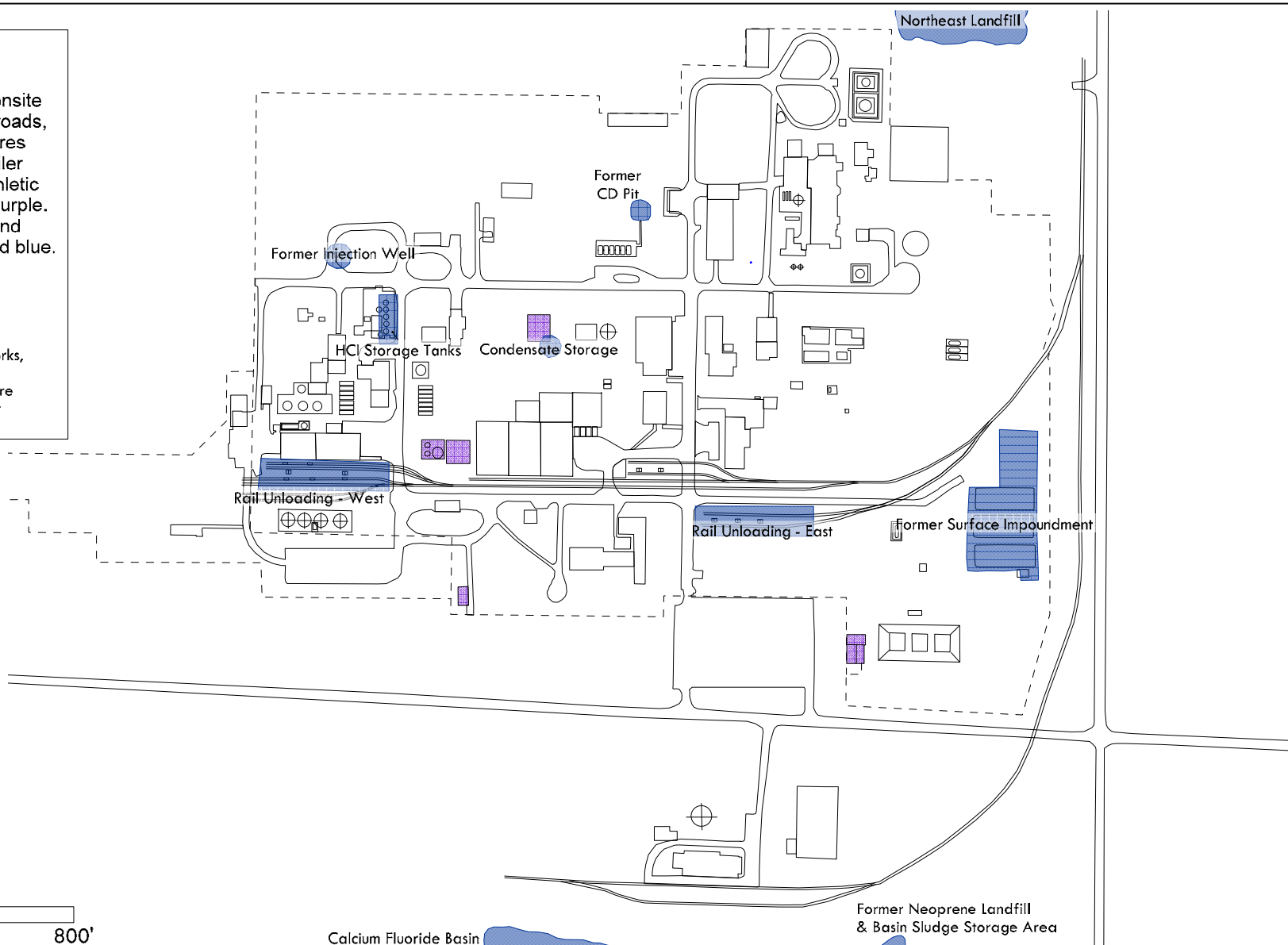
Notes:

This map primarily shows historic structures present onsite in 1966 (buildings, fences, roads, tank farms). Current structures (groundwater treatment, boiler house, Calgon Bldg and Athletic Center) are also shown in purple. Waste management units and areas of concern are shaded blue.

Map Base Source:

"Map Dated 1966 Montague Works, DuPont".

Structures have been aligned where possible with foundations in recent high resolution orthophotographs.



Sabre Building, Suite 300
4051 Ogletown Road
Newark, DE 19713

TITLE:

Waste Management Units and Areas of Concern
Data Gaps Investigation for VIAP Evaluation
Chemours Montague Site
Montague, Michigan

DWN:

GEG

CHKD:

MMM

DATE:

09/03/2021

APPD:

REV:

PROJECT NO:

60426635

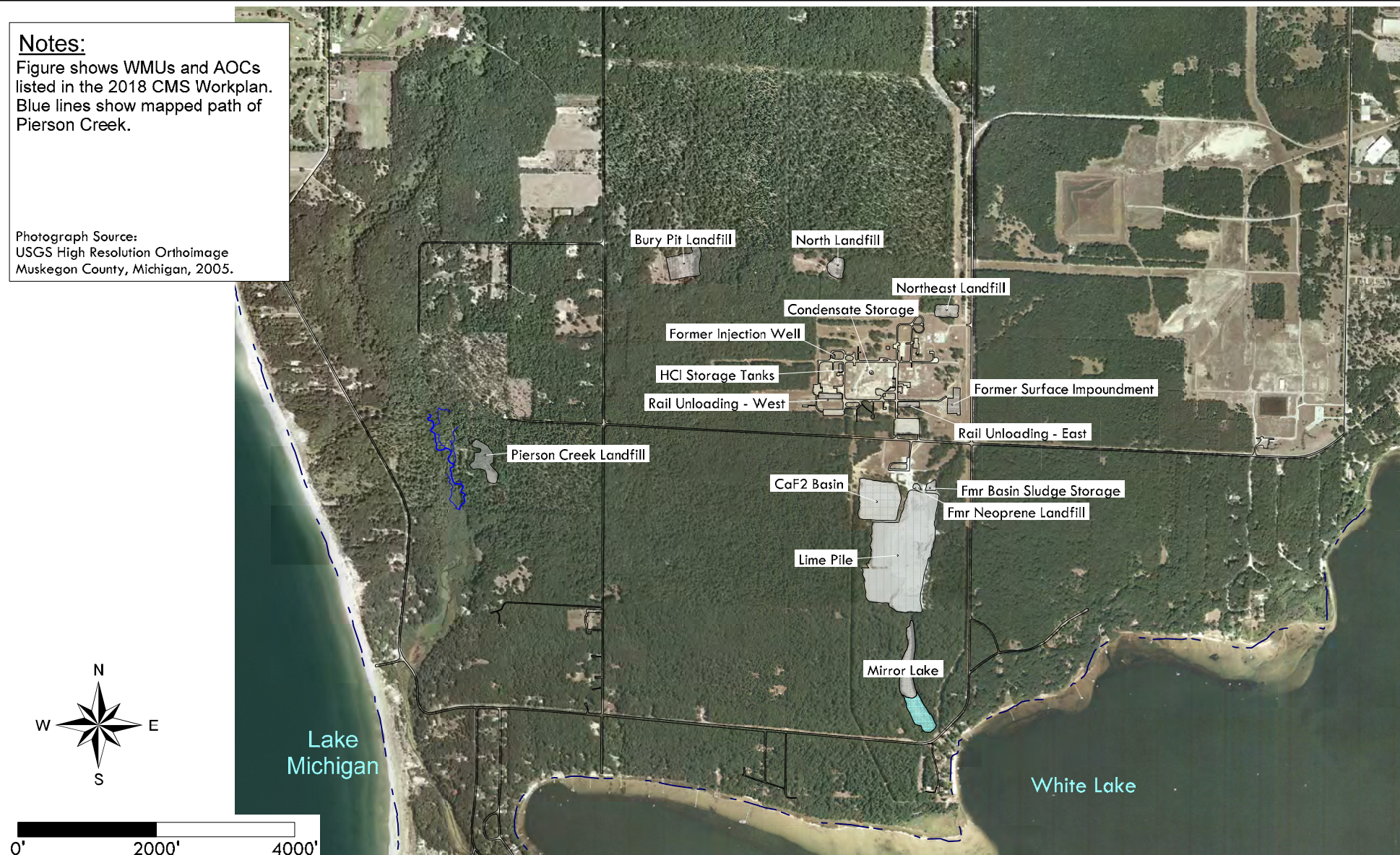
FIGURE NO:

3

Notes:

Figure shows WMUs and AOCs listed in the 2018 CMS Workplan. Blue lines show mapped path of Pierson Creek.

Photograph Source:
USGS High Resolution Orthoimage
Muskegon County, Michigan, 2005.



Sabre Building, Suite 300
4051 Ogletown Road
Newark, DE 19713

TITLE:

Former Landfills and Areas of Concern
Data Gaps Investigation for VIAP Evaluation
Chemours Montague Site
Montague, Michigan

DWN:

GEG

CHKD:

MMM

DATE:

09/08/2021

APPD:

REV:

PROJECT NO:

60426635

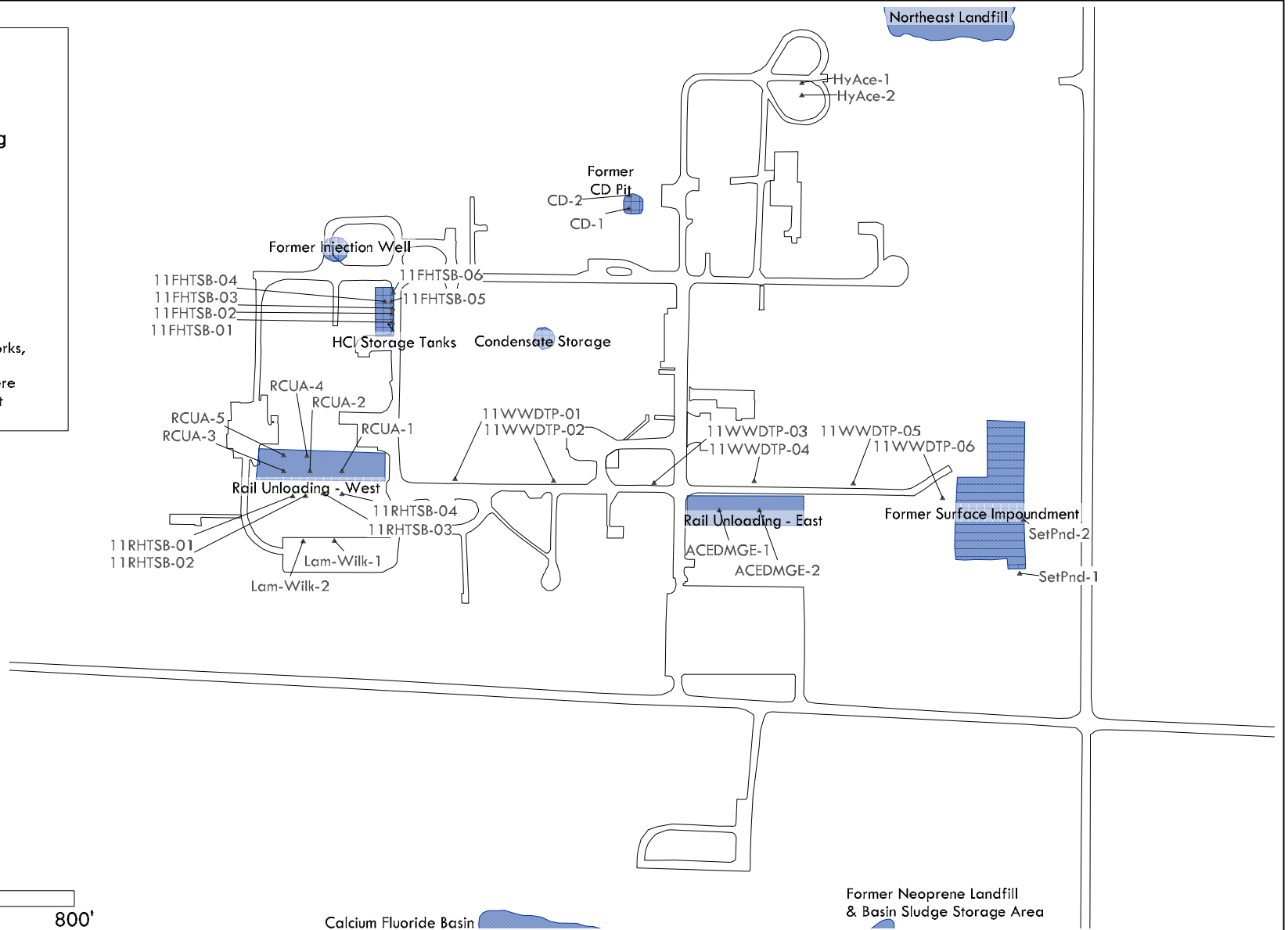
FIGURE NO:

4

Notes:

This map primarily shows soil boring locations in the main manufacturing area. These were collected during site investigations to assess the potential for residual soil sources.

Map Base Source:
"Map Dated 1966 Montague Works, DuPont".
Structures have been aligned where possible with foundations in recent high resolution orthophotographs.



Sabre Building, Suite 300
4051 Ogletown Road
Newark, DE 19713

TITLE:

Past Soil Sampling Locations - Manufacturing Area
Data Gaps Investigation for VIAP Evaluation
Chemours Montague Site
Montague, Michigan

DWN:

GEG

CHKD:

MMM

DATE:

09/08/2021

APPD:

REV:

PROJECT NO:

60426635

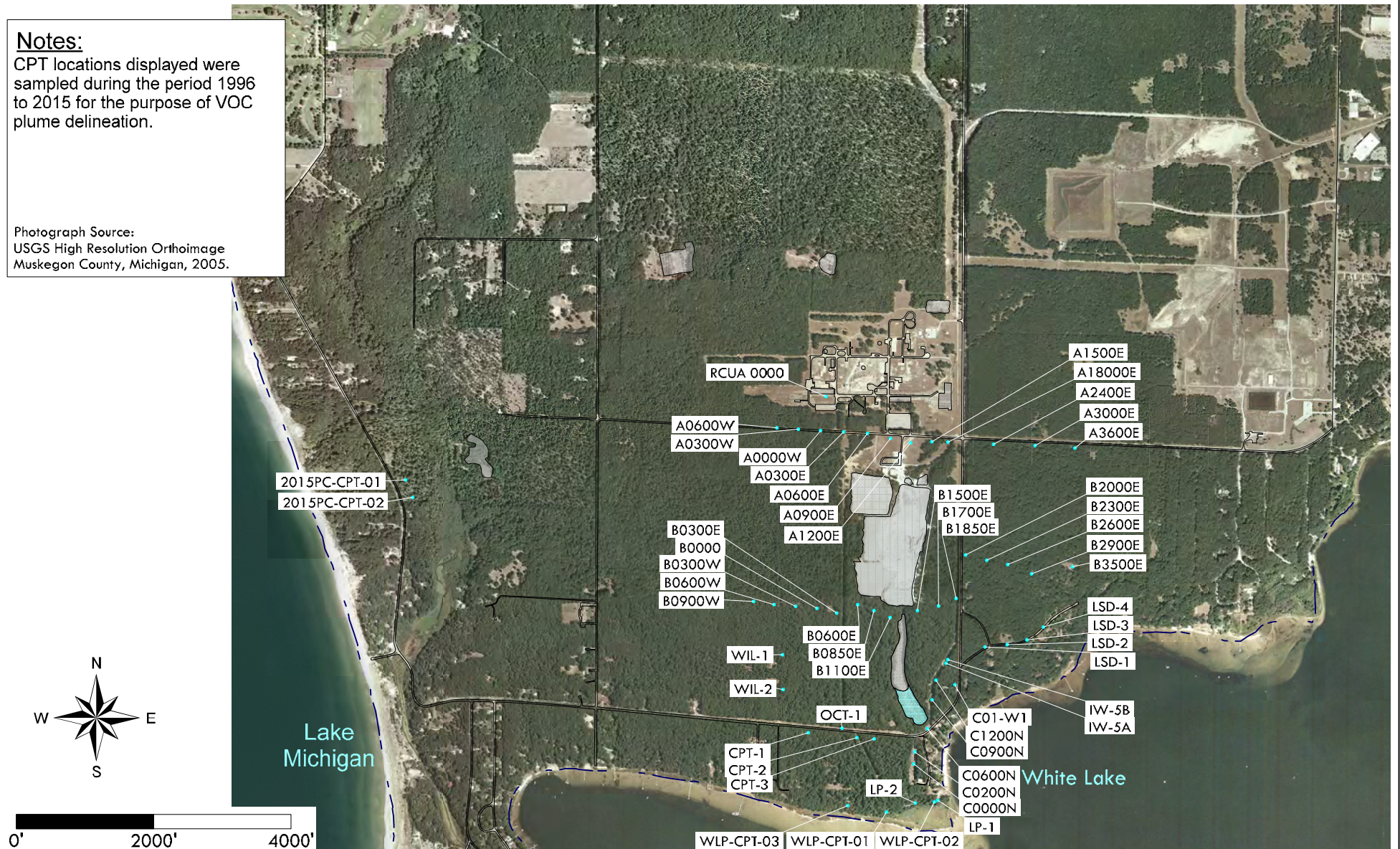
FIGURE NO:

5

Notes:

CPT locations displayed were sampled during the period 1996 to 2015 for the purpose of VOC plume delineation.

Photograph Source:
USGS High Resolution Orthoimage
Muskegon County, Michigan, 2005.



Sabre Building, Suite 300
4051 Ogletown Road
Newark, DE 19713

TITLE:

Past CPT Groundwater Sampling Locations
Data Gaps Investigation for VIAP Evaluation
Chemours Montague Site
Montague, Michigan

DWN:

GEG

CHKD:

MMM

DATE:

09/08/2021

APPD:

REV:

PROJECT NO:

60426635

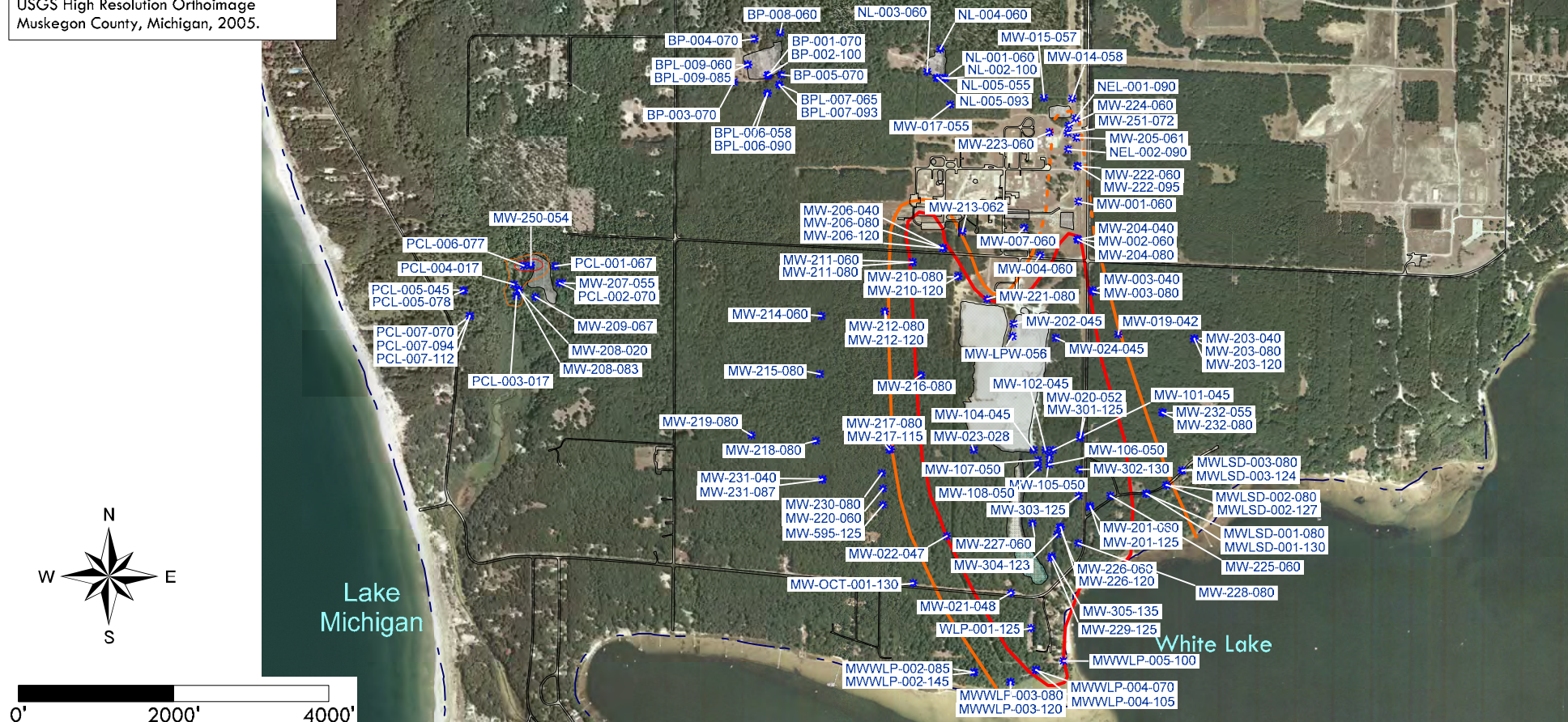
FIGURE NO:

6

Notes:

Site VOC plume lines shown are:
Red: Plume exceeding final acute value
Orange: Plume exceeding method detection limits

Photograph Source:
USGS High Resolution Orthoimage
Muskegon County, Michigan, 2005.



Sabre Building, Suite 300
4051 Ogletown Road
Newark, DE 19713

TITLE:

Groundwater Monitoring Wells
Data Gaps Investigation for VIAP Evaluation
Chemours Montague Site
Montague, Michigan

DWN:

GEG

CHKD:

MMM

DATE:

09/03/2021

APPD:

REV:

PROJECT NO:

60426635

FIGURE NO:

7

Notes:

Site VOC plume lines shown are:
Red: Plume exceeding final acute value

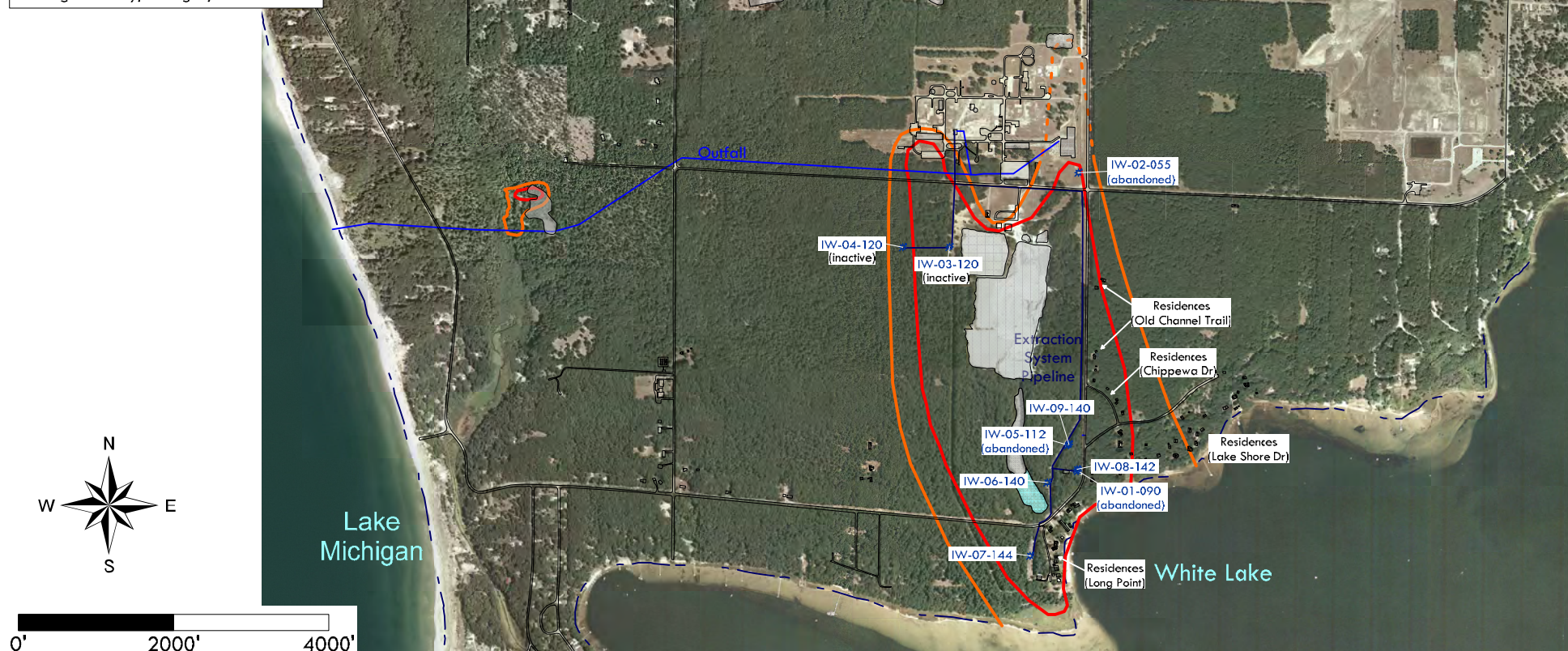
Orange: Plume exceeding method detection limits

Blue lines show outfall pipeline

Dark blue lines show extraction system pipeline.

Photograph Source:

USGS High Resolution Orthoimage
Muskegon County, Michigan, 2005.



Sabre Building, Suite 300
4051 Ogletown Road
Newark, DE 19713

TITLE:

Interceptor Wells
Data Gaps Investigation for VIAP Evaluation
Chemours Montague Site
Montague, Michigan

DWN:

GEG

CHKD:

MMM

DATE:

09/27/2021

APPD:

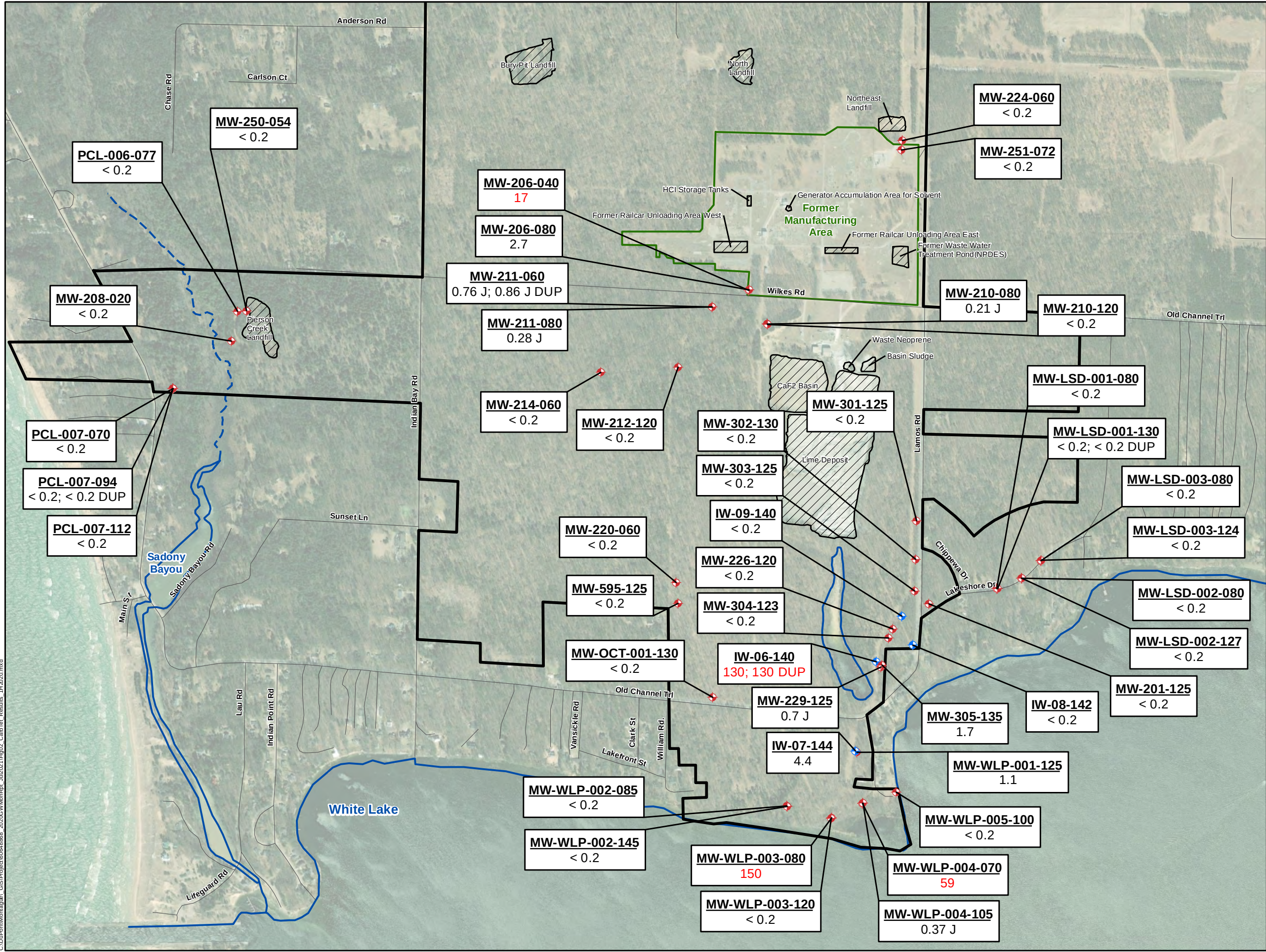
REV:

PROJECT NO:

60426635

FIGURE NO:

8



Legend

- Monitoring Well with ID and Carbon Tetrachloride Result
- Interceptor Well with ID and Carbon Tetrachloride Result
- Chemours Property Line
- Road Centerline
- Pierion Creek
- Surface Water Feature
- Waste Management Unit (WMU) or Area of Concern (AOC)
- Former Manufacturing Area

NOTES:

Carbon tetrachloride: MDEQ Part 201 Industrial Water Value = 5 UG/L
Samples were taken in May 2020.
Results are in UG/L.
Results in red text indicate exceedance of MDEQ.
< = Non detect at stated reporting limit
J = Estimated Result
2020 Vivid - USA Imagery Source: Maxar

Area Map

0 500 1,000 2,000
Feet
1 inch = 1,000 feet
MAP FORMATTED FOR "B" (11" X 17") SIZE SHEET.
TEXT SCALE NOT VALID FOR DIFFERENT PAGE SIZE.

AECOM

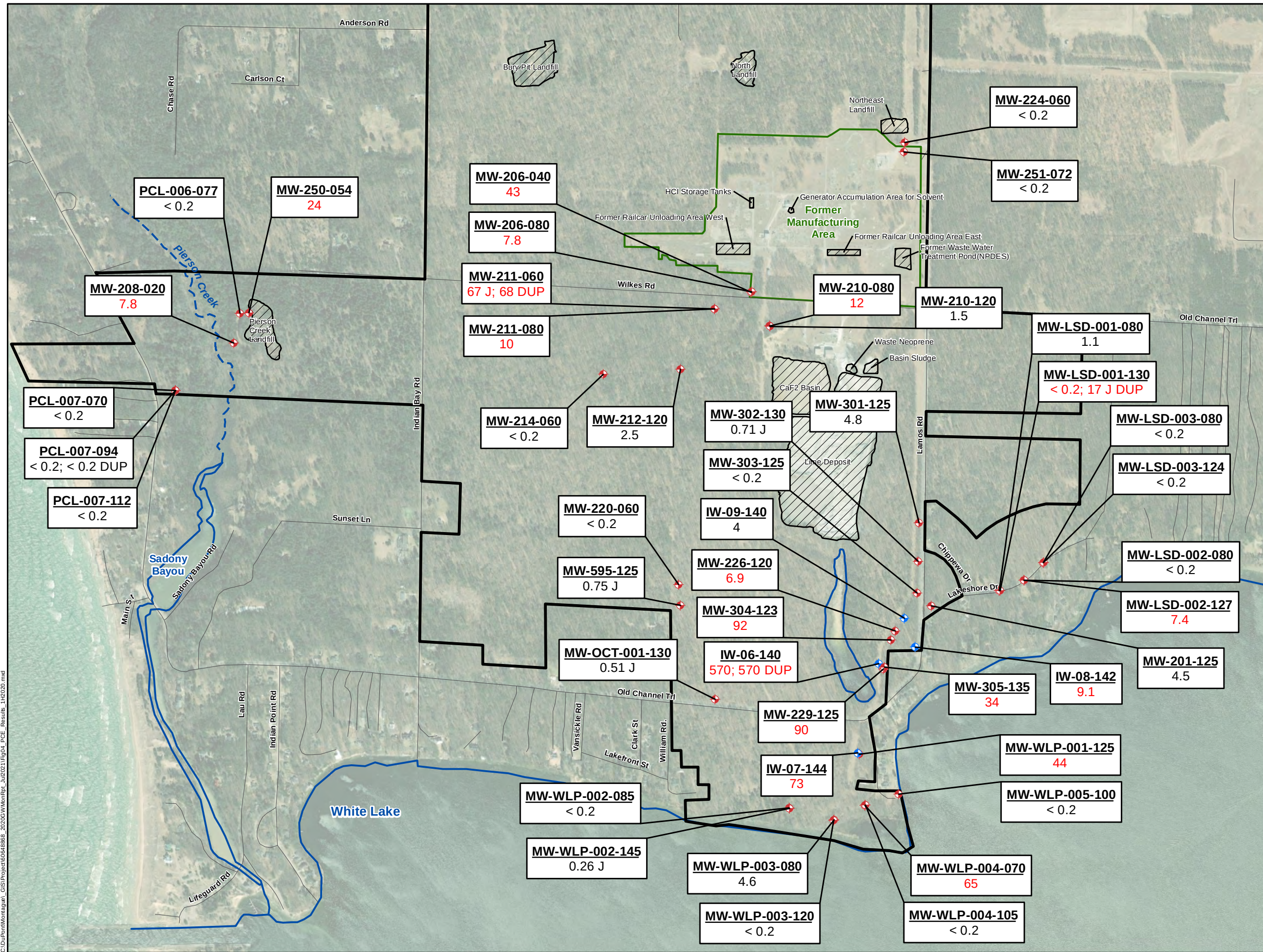
AECOM
Sabre Building, Suite 300
4051 Ogletown Road
Newark, DE 19713

CARBON TETRACHLORIDE CONCENTRATIONS (1H2020)

**2020 Groundwater Monitoring Results
Chemours Montague Facility
Montague, Michigan**

TASK NUMBER:	21005	PROJECT NUMBER:	60648868
DESIGNED BY:	P. CHEN	DATE:	7/27/2021
DRAWN BY:	C. DUFFY	FIGURE NUMBER:	9
DATA QUALITY CHECK BY:	G. GREGORY		

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Legend

- Monitoring Well with ID and PCE Result
- Interceptor Well with ID and PCE Result
- Chemours Property Line
- Road Centerline
- Pierson Creek
- Surface Water Feature
- Waste Management Unit (WMU) or Area of Concern (AOC)
- Former Manufacturing Area

NOTES:
Tetrachloroethene (PCE) MDEQ Part 201 Industrial Water Value = 5 UG/L
Samples were taken in May 2020.
Results are in UG/L.
Results in red text indicate exceedance of MDEQ.
≤ Non detect at stated reporting limit
J = Estimated Result
2020 Vivid - USA Imagery Source: Maxar

Area Map

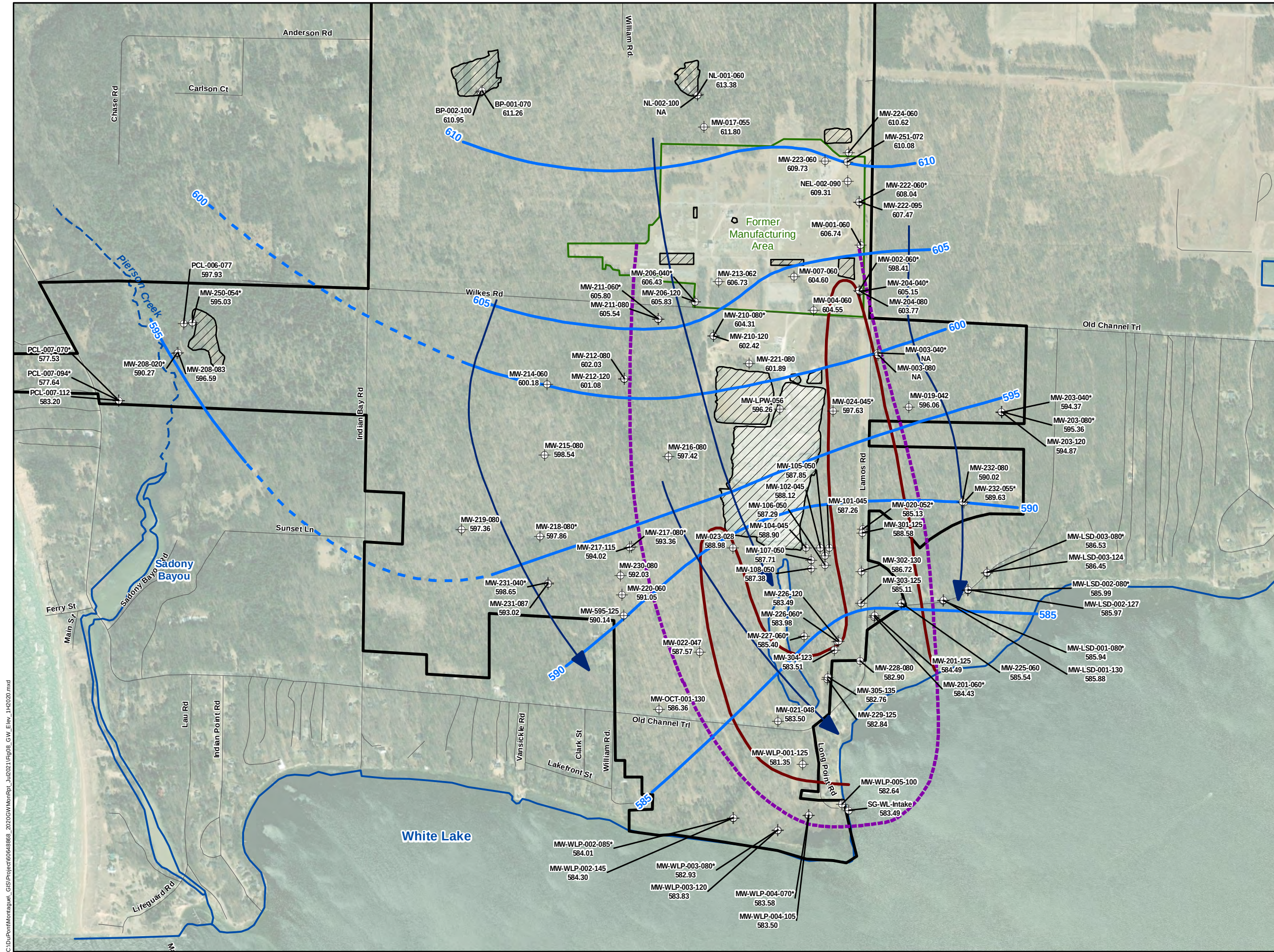
0 500 1,000 2,000
Feet
1 inch = 1,000 feet
MAP FORMATTED FOR "B" (11" X 17") SIZE SHEET.
TEXT SCALE NOT VALID FOR DIFFERENT PAGE SIZE.

AECOM
AECOM
Sabre Building, Suite 300
4051 Ogletown Road
Newark, DE 19713

**TETRACHLOROETHENE (PCE)
CONCENTRATIONS (1H2020)**

2020 Groundwater Monitoring Results
Chemours Montague Facility
Montague, Michigan

TASK NUMBER: 21005	PROJECT NUMBER: 60648868
DESIGNED BY: P. CHEN	DATE: 7/28/2021
DRAWN BY: C. DUFFY	FIGURE NUMBER: 11
DATA QUALITY CHECK BY: G. GREGORY	



Legend

- ⊕ Groundwater Monitoring Location with Well ID and Elevation (in feet)
- Potentiometric Surface Contour (in feet)
- - - Estimated Potentiometric Surface Contour (in feet)
- ➡ Groundwater Flow Direction (Approximate)
- Limit of FAV Plume (Approximate)
- Modeled Capture Zone
- Chemours Property Line
- Road Centerline
- - - Pierson Creek
- ▭ Surface Water Feature
- ▨ Waste Management Unit (WMU) or Area of Concern (AOC)
- ▭ Former Manufacturing Area

NOTES:
Elevations measured in May 2020.
NA - Not available
Deeper well data used to interpret contours.
*Well not used in contouring.
2020 Vivid - USA Imagery Source: Maxar

Area Map

0 500 1,000 2,000
Feet
1 inch = 1,000 feet
MAP FORMATTED FOR "8" (11" X 17") SIZE SHEET.
TEXT SCALE NOT VALID FOR DIFFERENT PAGE SIZE.

AECOM

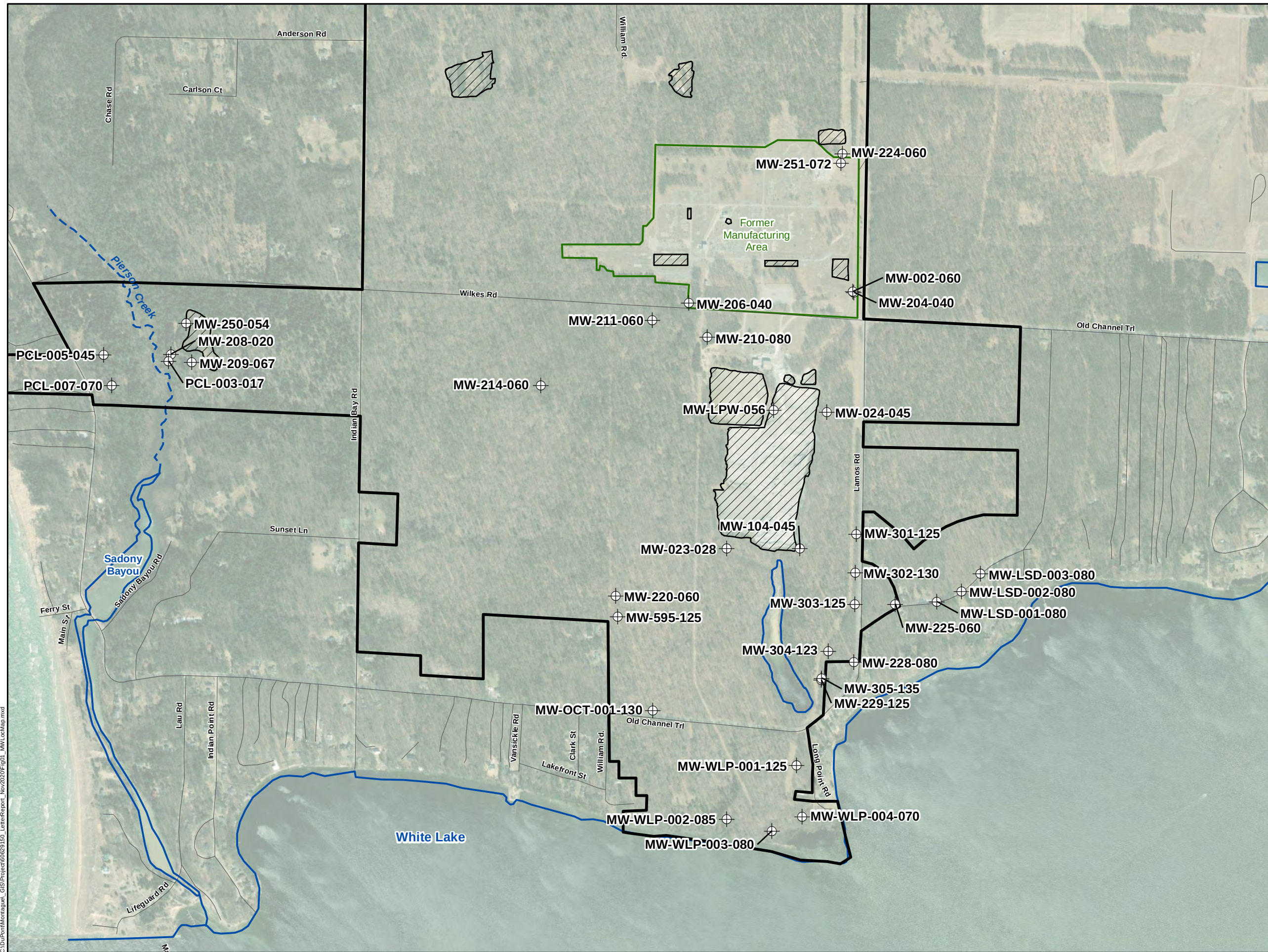
AECOM
Sabre Building, Suite 300
4051 Ogletown Road
Newark, DE 19713

POTENTIOMETRIC SURFACE MAP (1H2020)

2020 Groundwater Monitoring Results
Chemours Montague Facility
Montague, Michigan

TASK NUMBER:	21005	PROJECT NUMBER:	60648868
DESIGNED BY:	G. GREGORY	DATE:	7/27/2021
DRAWN BY:	C. DUFFY	FIGURE NUMBER:	12
DATA QUALITY CHECK BY:	A. THOMPSON		

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Legend

- Monitoring Well
- Chemours Property Line
- Road Centerline
- Pierson Creek
- Surface Water Feature
- Waste Management Unit (WMU) or Area of Concern (AOC)
- Former Manufacturing Area

Area Map

0 500 1,000 2,000
Feet
1 inch = 1,000 feet
MAP FORMATTED FOR "B" (11" X 17") SIZE SHEET.
TEXT SCALE NOT VALID FOR DIFFERENT PAGE SIZE.

AECOM

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4051 Ogletown Road
Newark, DE 19713

MONITORING WELL LOCATION MAP

Review of Groundwater to Indoor Air Pathway (Vapor Intrusion Screening)
Chemours Montague Facility
Montague, Michigan

TASK NUMBER: 2020xx	PROJECT NUMBER: 60629150
DESIGNED BY: G. GREGORY	DATE: 11/16/2020
DRAWN BY: C. DUFFY	FIGURE NUMBER: 13
DATA QUALITY CHECK BY: A. DEC	

Notes:

- Hand auger boring (up to 9 feet)
- Geoprobe or CPT (to water table)

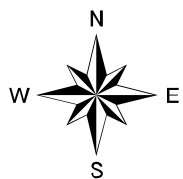
C2H2 Meter

Organic
Waste
Storage

Waste
Settling
Ponds

DVA
Burner

Septic
Tank



0' 100' 200'

AECOM

Sabre Building, Suite 300
4051 Ogletown Road
Newark, DE 19713

TITLE:

Proposed Soil and Groundwater Data Gap Borings
Data Gaps Investigation for VIAP Evaluation
Chemours Montague Site
Montague, Michigan

DWN:

GEG

CHKD:

PJC

DATE:

10/06/2021

APPD:

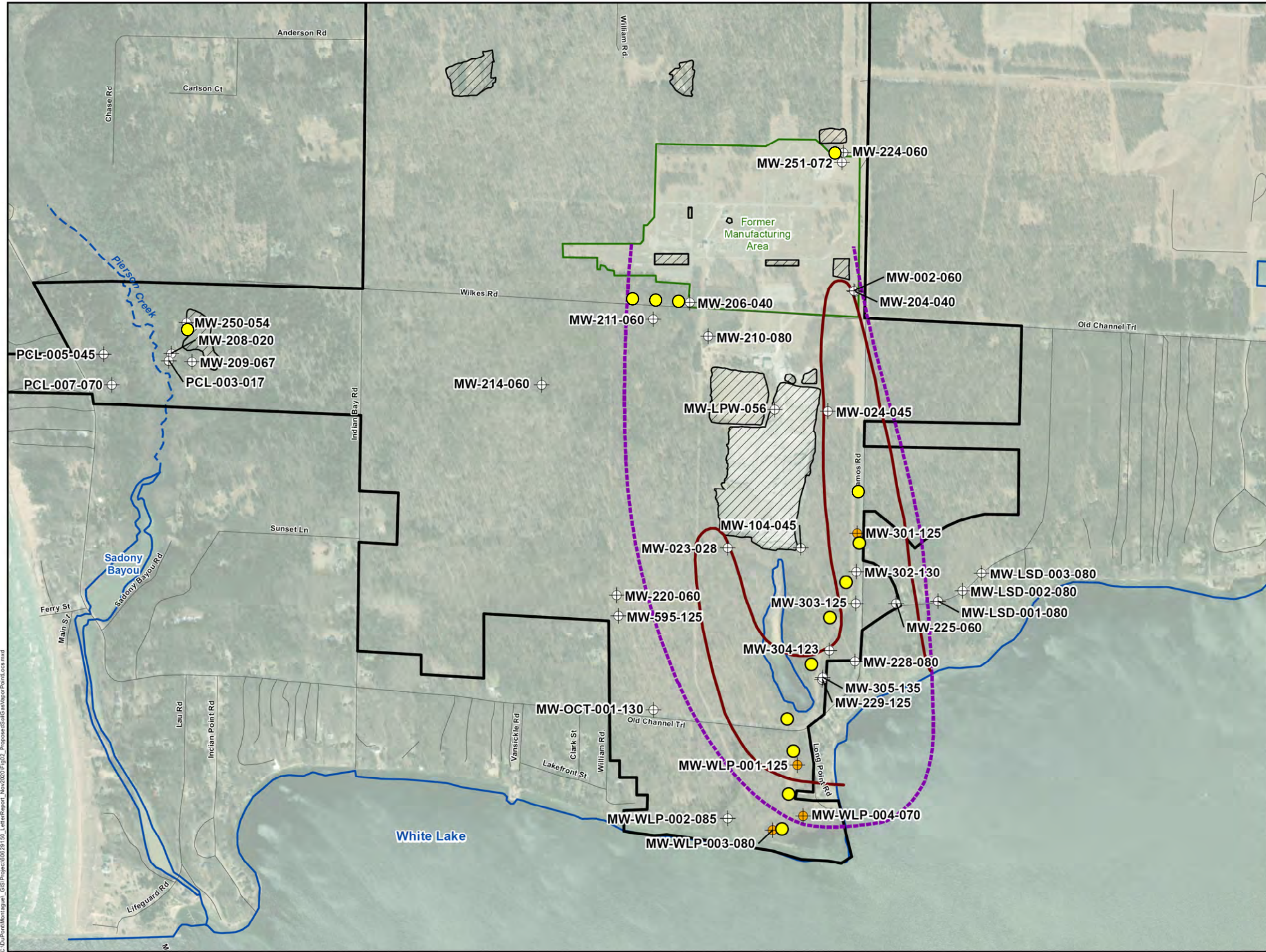
REV:

PROJECT NO:

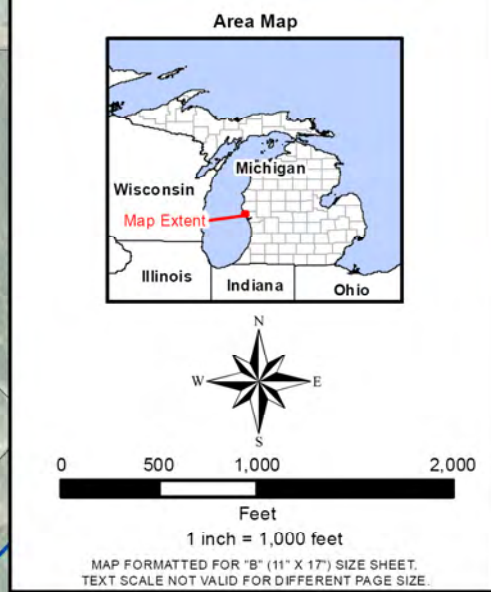
60426635

FIGURE NO:

14



- Legend**
- Monitoring Well
 - Monitoring Well with Volatile Detections above EGLE Site-Specific Criteria
 - Proposed Soil Gas Vapor Point Location
 - Limit of FAV Plume (Approximate)
 - Modeled Capture Zone
 - Chemours Property Line
 - Road Centerline
 - Pierson Creek
 - Surface Water Feature
 - Waste Management Unit (WMU) or Area of Concern (AOC)
 - Former Manufacturing Area



AECOM

AECOM
Sabre Building, Suite 300
4051 Ogletown Road
Newark, DE 19713

**PROPOSED SOIL GAS VAPOR
POINT LOCATIONS**

Review of Groundwater to Indoor Air
Pathway (Vapor Intrusion Screening)
Chemours Montague Facility
Montague, Michigan

TASK NUMBER:	PROJECT NUMBER:
2020xx	60629150
DESIGNED BY:	DATE:
G. GREGORY	9/29/2021
DRAWN BY:	FIGURE NUMBER:
C. DUFFY	15
DATA QUALITY CHECK BY:	
A. DEC	

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