



**US Army Corps
of Engineers®**

Pittsburgh District

Planning and Environmental Branch
William S. Moorhead Federal Building
1000 Liberty Avenue
Pittsburgh, Pennsylvania 15222

Public Notice Date: 16 March 2018
Expiration Date: 31 March 2018

NOTICE OF AVAILABILITY

Draft Environmental Assessment

Section 594 Mt. Pleasant Water System Improvement Project Jefferson County, OH

The U.S. Army Corps of Engineers, Pittsburgh District (USACE) is evaluating a proposed water system improvement project in Jefferson County, Ohio.

The USACE invites submission of comments on the environmental impact of the approval the Section 594 request. The USACE will consider all submissions received before the expiration date of the public comment period. The nature or scope of the proposal may be changed upon consideration of the comments received.

The draft Environmental Assessment and draft Finding of No Significant Impact are available electronically at:

<http://www.lrp.usace.army.mil/Missions/Planning-Programs-Project-Management/>

Comments can be submitted to the address posted at the top of this notice or to gabriella.sykora@usace.army.mil. Comments must be received by 31 March 2018 to ensure consideration.

DRAFT FINDING OF NO SIGNIFICANT IMPACT
SECTION 594 MT. PLEASANT WATER SYSTEM IMPROVEMENT PROJECT
MT. PLEASANT, JEFFERSON COUNTY, OHIO

The U.S. Army Corps of Engineers, Pittsburgh District, is proposing to cost share a water system improvement project in Jefferson County, Ohio. The Non-Federal Sponsor is the Village of Mt. Pleasant, Ohio. This project is authorized under Section 594 of the Water Resources Development Act of 1999 as amended, which has the primary objective of providing design and construction assistance to Non-Federal interests for carrying out water-related environmental infrastructure projects in the State of Ohio.

The proposed project consists of construction of approximately 17,502 feet of 2-inch to 6-inch waterline and 4,098 feet of service lines within road and alley rights of way. The project will also include installation of new hydrants, valves, booster pumps, water storage tank improvements and rehabilitation of an existing well located at the Mt. Pleasant well field. The purpose of the proposed project is to provide the Village of Mt. Pleasant with a functioning water system. The improvements are needed to replace deteriorated waterline which has reached the end of its useful life and other distribution system components which are aging and in need of repair or replacement to improve the operation and efficiency of the water system. In addition, the proposed new system will provide fire protection to the Village which is currently lacking.

In order to satisfy the requirements of the National Environmental Policy Act, the Non-Federal Sponsor prepared an Environmental Assessment that evaluated the impacts of the proposed plan on environmental and cultural resources within the project area. In compliance with Section 7 of the Endangered Species Act, the Fish and Wildlife Service was contacted and it was determined that the proposed project will not impact federally listed species. In accordance with Section 106 of the National Historic Preservation Act, the Ohio Historic Preservation Office (OHPO) was contacted. The OHPO anticipates no effect to cultural or historical resources from the proposed project.

The Environmental Assessment included a “No Action” alternative, which was determined to be unacceptable as it does not fulfill the project purpose due to the fact that the Village currently has aging distribution components, a high percentage of failing waterlines and a severe lack of water pressure and quantity. In addition, the Village lacks fire protection. Additional alternatives considered but eliminated included purchase of water from the Village of Dillonvale and from Tri-County Water Authority. Dillonvale was not receptive to providing water full-time to Mt. Pleasant and purchase from Tri-County Water Authority was cost prohibitive. As a result, these alternatives were not recommended for further consideration.

A 15-day public comment period will occur from 16 March 2018 to 31 March 2018. The Corps will consider all submissions received on or before the expiration date of the public comment period. The nature or scope of the proposal may be changed upon consideration of

the comments received. If significant effects on the quality of human environment are identified during the public comment period, and cannot be mitigated, the Corps will initiate an Environmental Impact Statement, and afford all of the appropriate public participation opportunities attendant to an EIS.

Based upon the analysis contained in the Environmental Assessment, I have reasonably determined that the proposed water improvement project will not constitute a major Federal action significantly affecting the quality of the human environment, as defined in the Council on Environmental Quality's regulations for implementing the National Environmental Policy Act. The preparation of an Environmental Impact Statement is therefore unwarranted, and the public interest will be best served by the implementation of the proposed action. The proposed work is in compliance with all applicable Federal, state, and local laws and regulations and there are no unresolved environmental issues. This determination precedes the U.S. Army Corps of Engineers' final decision concerning this proposed action. A notice of availability of this "Finding of No Significant Impact" will be sent to interested parties and placed on the District's website (<http://www.lrp.usace.army.mil>).

Date

John P. Lloyd
Colonel, Corps of Engineers
District Engineer

Draft ENVIRONMENTAL ASSESSMENT

Section 594 Village of Mt. Pleasant Water System Improvement Project

Jefferson County, OH

March 16, 2018

Prepared By: Pam Ewing, Ohio Rural Community Assistance Program (RCAP)

- 1. Name of Project:** Village of Mt. Pleasant Water System Improvements Project
- 2. Project Authority:** U.S. Army Corps of Engineers Authorization – Section 594
- 3. Project Location:** Village of Mt. Pleasant, Jefferson County, Ohio

4. Recommended Project Purpose and Need:

The Village of Mt. Pleasant plans to complete a water system improvement project. The proposed project will consist of the replacement of approximately 17,502 linear feet of 2-inch to 6-inch waterline and 4,098 linear feet of service lines. Waterline replacement will occur throughout the Village and along State Route (SR) 150 between the Village and the existing wellfield and treatment building. The project will also include installation of new fire hydrants and valves, removal of existing booster station pumps and piping, installation of booster station outside piping, booster station sample sink arrangement, rehabilitation of the south well and piping connection, installation of a new well field electrical platform, upgrading booster station electrical, meter purchase and installation, installation of a radio telemetry system, installation of a village building sample station, replacement of high service pumps, water storage tank rehabilitation, automatic meter reading system purchase and maintenance vehicle purchase.

The proposed improvements are needed to replace deteriorated waterline which has reached the end of its useful life and other distribution system components which are aging and in need of repair or replacement to improve the operations and efficiencies of the water system. These improvements will provide fire protection to the Village which is currently lacking due to the deteriorated condition of the water system. The proposed improvements will not extend service to additional customers. All construction activities related to the waterline replacement will occur within the existing road and alley rights of way within three feet of the existing line, throughout the Village of Mt. Pleasant and along SR 150 to the existing well field. The existing well field site and water treatment building are owned and operated by the Village of Mt. Pleasant.

See attached Project Maps.

5: Alternatives:

No-Action Alternative: The “no action” alternative was determined to not be feasible as the Village has a high percentage of failing waterline and a severe lack of water pressure and quantity due to aging distribution system components. Due to undersized, deteriorated lines and hydrants, the Village lacks fire protection.

Other Alternatives Considered and Eliminated: There is no other alternative to replacing the existing and failing distribution system. The deteriorated condition of the existing distribution system is a health and safety risk to the residents of Mt. Pleasant and is not providing good quality of water. The proposed improvements will be required regardless if the Village of Mt. Pleasant remains in the water production and treatment business or purchases water from another source. Alternatives to producing and treating water are as follows:

Purchase from the Village of Dillonvale – Mt. Pleasant has an existing emergency backup connection with the Village of Dillonvale that has been used temporarily at times over the years. Both villages desire to retain this emergency connection, but Dillonvale has no interest in providing water full-time to Mt. Pleasant as they wish to maintain sufficient water for their current customers and not jeopardize water quantity by supplying water full-time to Mt. Pleasant. The cost of purchasing water from Dillonvale is more expensive than Mt. Pleasant’s current expense for pumping and chlorinating water. Completion of the proposed Mt. Pleasant water system improvements will continue to provide an adequate supply of water for both communities while still maintaining the emergency connection policies and procedures.

Purchase from Tri-County Water Authority – Tri-County Water Authority purchases water from the City of Martins Ferry and resells it to their customers primarily along SR 250 and to the bulk customers of Georgetown and Adena. The cost to purchase water from Tri-County would include debt service on a new connection line and the purchase cost of the water. A connection line from SR 250 and along SR 150 to the Village would be necessary and this cost was determined to be not feasible.

6. Environmental Setting:

The Village of Mt. Pleasant is typical of other small communities with the majority of the area being comprised of residential homes and a few small businesses. Vegetation in the project area is mostly grass and lawn areas. Trees exist in some areas of town and small diameter trees and scrub brush exist near the wellfield site. No designated wetland areas exist in the immediate project area. Short Creek borders the existing well field site and the 100 year floodplain of this creek does exist on this site. Ground disturbing activities at the wellfield include installation of an elevated electrical platform to serve both existing wells. The well refurbishing will include drilling/redevelopment of the existing well.

See attached photos of the project area.

7. Environmental Effects of the Proposed Action: Determine how the project would affect the environmental parameters noted in the table below. Check the appropriate box and provide, in the last column, a reason or basis for your selection. Significant effects may require mitigation unless the effects are clearly temporary.

| Environmental Parameter | No Effect ("effect" includes direct and indirect effects) | Minimal Effect | Significant Effect | Basis for Determination |
|--|--|----------------|--------------------|--|
| Land Use and Socio Economic Conditions | X | | | <p>Land use within the Village is typical of a small village with mostly residential and few commercial businesses. No industrial facilities exist in the project area. The village has a population of 534 based on the 2011-2015 American Community Survey (ACS) data. Median household income is \$35,972. The existing water system provides service to approximately 250 connections. The proposed improvements will not result in additional customers or development in the area. Capacity of the existing system is not increasing as a result of the project. The proposed waterline replacement will occur within road and alley rights of way. According to the project engineer, new lines will be installed within three feet of the existing lines. The distribution line from the Village of Mt. Pleasant to the wellfield (along SR 150) will also be replaced within three feet of the existing line and within the road right of way. Work on the well rehabilitation will occur at the existing well field site which is owned by the Village of Mt. Pleasant. Construction activities in the area of the well field, includes the refurbishing of the existing south well and installation of a new elevated electrical platform to serve both existing wells. The proposed improvements will provide fire flow to the Village by replacing failing waterline, increasing line size and replacing aging and obsolete fire hydrants. Currently, the Village must rely on neighboring fire departments to truck in water during fire events. Lack of fire protection is a health and safety risk for all residents of the Village.</p> |

| Environmental Parameter | No Effect ("effect" includes direct and indirect effects) | Minimal Effect | Significant Effect | Basis for Determination |
|---------------------------------|--|----------------|--------------------|---|
| Vegetation and Wildlife Habitat | X | | | <p>Consultation with the Ohio Department of Natural Resources and the U.S. Fish and Wildlife Service indicates the location of the project elements will have no adverse effect on endangered or threatened vegetation or wildlife. The proposed waterline replacement will be located within road and alley rights of way within three feet of the existing line. Well rehabilitation and installation of a new electrical platform will occur at the existing well field which has been previously disturbed. Tree removal is not anticipated. Scrub brush and small diameter trees exist beyond the well locations but this area will not require disturbance. Aquatic life will not be adversely impacted as no in-water work will occur.</p> |
| Water Quality and Fisheries | X | | | <p>Water quality or fisheries are not anticipated to experience any adverse impacts from the proposed construction activities. No in-water work is to occur. Erosion and run-off best management practices will be implemented to protect water quality of Short Creek which is located in the vicinity of the existing well field. It is not anticipated water quality in the area will be adversely affected.</p> <p>Water quality and quantity for customers of the Mt. Pleasant Water System will improve with the replacement of existing deteriorated pipeline and refurbishing of the existing well.</p> |

| Environmental Parameter | No Effect ("effect" includes direct and indirect effects) | Minimal Effect | Significant Effect | Basis for Determination |
|-----------------------------------|--|----------------|--------------------|---|
| Floodplains | | X | | <p>A portion of the existing well field is located within the 100-year floodplain of Short Creek (Flood Insurance Rate Map Number 39081C0333D). Rehabilitation of the existing wells will occur within this area, however it is not anticipated that any long-term adverse impacts will occur to the floodplain. All areas of construction have been previously disturbed and the proposed project elements will not impede flood flow. The proposed construction activities include installation of a new elevated electrical platform to serve two existing wells. The buried electrical conduit was installed in 1998 and will be reused. The south well will receive refurbishing which involves drilling/redevelopment of this well. There will be no buried piping installation involved with this project. No additional conversion of the floodplain will occur. All required floodplain permits http://rpc.jeffersoncountyoh.com/LinkClick.aspx?fileticket=eqWDmDM0_rY%3d&abid=95&mid=435 must be obtained from the Jefferson County Floodplain Management Coordinator and all required regulations will be implemented during construction.</p> |
| Noise, Recreation, and Aesthetics | | X | | <p>Construction activities will produce noise but this will be short-term in nature. Construction will occur during normal daylight working hours to minimize disturbance and mufflers and other noise abatement devices will be used on large equipment, when practical. The only project elements to be above ground will be fire hydrants, an electrical platform at the existing well field and existing booster stations, which pose no adverse aesthetic impacts. There are no recreation areas in the project area. Upon completion, the water distribution system will produce no adverse noise, recreation or aesthetic impacts.</p> |

| Environmental Parameter | No Effect ("effect" includes direct and indirect effects) | Minimal Effect | Significant Effect | Basis for Determination |
|--|--|----------------|--------------------|---|
| Endangered Species (See Note 1) | X | | | <p>The U.S. Fish and Wildlife Service (USFWS) and Ohio Department of Natural Resources (ODNR) advise the proposed project is located within the range of the federally endangered Indiana bat (<i>Myotis sodalis</i>) and the federally threatened northern-long eared bat (<i>Myotis septentrionalis</i>). Summer habitat for these species consist of a wide variety of forested/wooded habitats where they roost, forage and travel and may also include some adjacent and interspersed non-forested habitats such as emergent wetlands and adjacent edges of agricultural fields, old fields and pastures. This includes forests and woodlots containing potential roosts such as live trees and/or snags, greater than 3 inches in diameter that have exfoliating bark, cracks, crevices, hollows and/or cavities. According to USFWS, if tree removal is necessary, trees should only be cut between October 1 and March 31. If implementation of the seasonal tree cutting recommendation is not possible, summer surveys may be conducted to document the presence or probable absence of Indiana bats. Surveyors must have a valid federal permit and surveys should be conducted between June 1 and August 15.</p> <p>Small diameter trees and scrub brush exist beyond the existing wells and along streets throughout the village. A discussion with the Project Engineer indicates tree removal will not be required for the proposed project. As a result, no impacts are anticipated to occur to the Indiana bat as a result of the proposed project.</p> <p>ODNR also advises the project lies within the range of the following state threatened mussel: the black sandshell (<i>Ligumia recta</i>) and the threehorn wartyback (<i>Obliquaria reflexa</i>). No in-water work will occur as a result of this project. ODNR</p> |

| Environmental Parameter | No Effect ("effect" includes direct and indirect effects) | Minimal Effect | Significant Effect | Basis for Determination |
|-------------------------|--|----------------|--------------------|--|
| | | | | <p>advises that due to the location and that there is no in-water work proposed in a perennial stream, this project is not likely to impact these species.</p> <p>ODNR advises the project lies in the range of following state threatened fish: the paddlefish (<i>Polyodon spathula</i>), the channel darter (<i>Percina copelandi</i>) and the Tippecanoe darter (<i>Etheostoma Tippecanoe</i>). ODNR advises that due to the location and that there is no in-water work proposed in a perennial stream, this project is not likely to impact these species.</p> <p>ODNR advises the project is within the range of the eastern hellbender (<i>Cryptobranchus alleganiensis alleganiensis</i>) a state endangered species and a federal species of concern. The agency also advises that due to the location and that there is no in-water work proposed in a perennial stream of sufficient size to provide suitable habitat, this project is not likely to impact this species.</p> <p>The project also lies within the range of the black bear (<i>Ursus americanus</i>) a state endangered species. ODNR advises due to the mobility of this species, this project is not likely to impact this species.</p> |

| Environmental Parameter | No Effect ("effect" includes direct and indirect effects) | Minimal Effect | Significant Effect | Basis for Determination |
|---|--|----------------|--------------------|--|
| Historic and Archaeological Resources (See Note 2) | X | | | Historic buildings exist within the Historic District in the Village of Mt. Pleasant. Consultation with the Ohio Historic Preservation Office (OHPO) indicates the proposed project will not affect properties listed in or eligible for listing in the National Register of Historic Places. No further coordination with OHPO is required unless sites are discovered during construction activities. If historical or archaeological sites are discovered during construction, the contractor must stop work immediately and the Ohio Historic Preservation Office must be contacted for further investigation. Work cannot resume until clearance is provided by OHPO. |
| Traffic and Public Safety | | X | | State Route 150 is the main transportation route in the Village. Most streets and alleys within the Village will be subject to construction activity related to waterline replacement, service line installation, meters, valves and hydrant installation. Traffic flow may be disrupted during construction however at least one lane of traffic will be maintained, when possible. If street closures must occur, appropriate detours will be posted and appropriate emergency officials will be notified. Impacts to transportation routes will be short-term in nature. Appropriate ODOT regulations will be implemented to control traffic. No long-term impact to transportation is anticipated. |
| Wetlands (See Note 3) | X | | | Based upon a review of the National Wetland Inventory Maps for the Village, there are no designated wetlands within the immediate project area. No in-water work or discharge to streams will occur as a result of this project. Therefore, no impact to wetlands is anticipated. Based on correspondence from the Army Corps of Engineers Office, no Department of Army permit is required. |

| Environmental Parameter | No Effect ("effect" includes direct and indirect effects) | Minimal Effect | Significant Effect | Basis for Determination |
|---|--|----------------|--------------------|---|
| Hazardous Substances (See Note 4) | X | | | <p>A Limited Phase 1 Hazardous, Toxic and Radiologic Waste Investigation Report (HTRW) was conducted, by Hull & Associates, Inc. in September 2017. The subject report indicates that the former Johnny's Gulf & Auto Repair, located at 117 Mulberry Street appears to be vacant and non-operational. A paved area surrounding a concrete former dispenser island is located in front of the building in the northeast corner of the site. The report further indicates the pavement surrounding the former dispenser island is in poor condition and no patched pavement or lids were observed. The HTRW report indicates it is possible this property was used as a gasoline station and auto maintenance garage and if this property was used as a gas station, unregistered underground storage tanks could be located on the property.</p> <p>A discussion with the project engineer indicates construction activities will occur on the opposite side of the street from the subject property. Due to the abandonment of the property, water service is not provided to this facility. No impacts will occur to possible underground tanks at this site as a result of the proposed project.</p> |

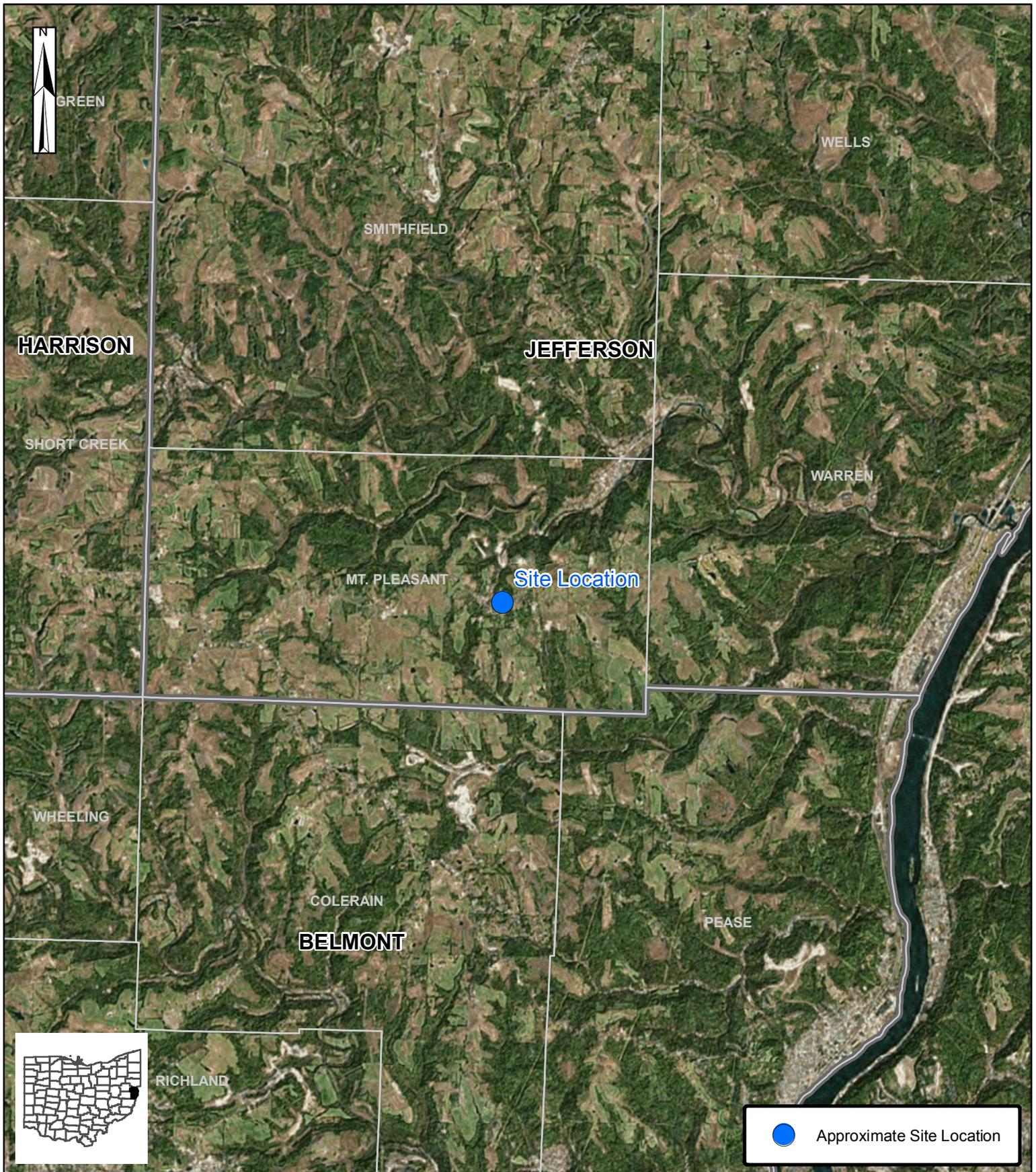
| Environmental Parameter | No Effect ("effect" includes direct and indirect effects) | Minimal Effect | Significant Effect | Basis for Determination |
|-------------------------|--|----------------|--------------------|--|
| Cumulative Effects | X | | | No cumulative long-term adverse effects are anticipated as a result of the proposed project. Construction activities, noise disturbance and environmental impacts are minimal and are short-term in nature. The proposed project will have a favorable cumulative effect by elimination of a failing water distribution system. These improvements will also eliminate health risks associated with poor water quality as a result of numerous line breaks. The Village will receive adequate fire protection which it currently lacks. The proposed project will also reduce operating costs as purchase of water from the Village of Dillonville will not be required expect in times of emergency. The proposed project is designed to serve existing customers and no expansion of service area is anticipated to occur as a result of the proposed project. |
| Environmental Justice | X | | | The proposed project is designed to improve the condition of the water distribution system to provide an adequate and safe water supply to the residents of Mt. Pleasant. Elimination of a failing distribution system will improve the quality of living for residents by eliminating failing waterline and providing a better quality water supply and adequate fire protection. All residents of the Village will benefit and will continue to receive access to the public water system. No minority or low income areas will incur adverse effects as a result of the proposed project. There are no adverse Environmental Justice effects anticipated as a result of the proposed project. |

Note 1 – The Ohio Department of Natural Resources (ODNR) and the U.S. Fish and Wildlife Service (USFWS) were consulted regarding impacts to endangered, threatened or species of concern. See attached correspondence.

Note 2 – The Ohio Historic Preservation Office (OHPO) was consulted and has advised the proposed project will have no effect on properties listed or eligible for listing on the National Register of Historic Places. See attached correspondence.

Note 3 – The Army Corps of Engineers was consulted and has advised no Department of Army Permit is required. The project will neither result in discharge of dredged or fill material into waters of the US nor involve work in, on, over or under navigable water of the US. Wetland Inventory Maps were reviewed and it was determined no wetlands exist in the immediate project area. See attached correspondence and NWI Map.

Note 4 – A Phase 1 Limited Hazardous, Toxic and Radiologic Waste Investigation Report was conducted and located one abandoned site (not within the project area) which could contain unregistered underground storage tanks. See attached Assessment.



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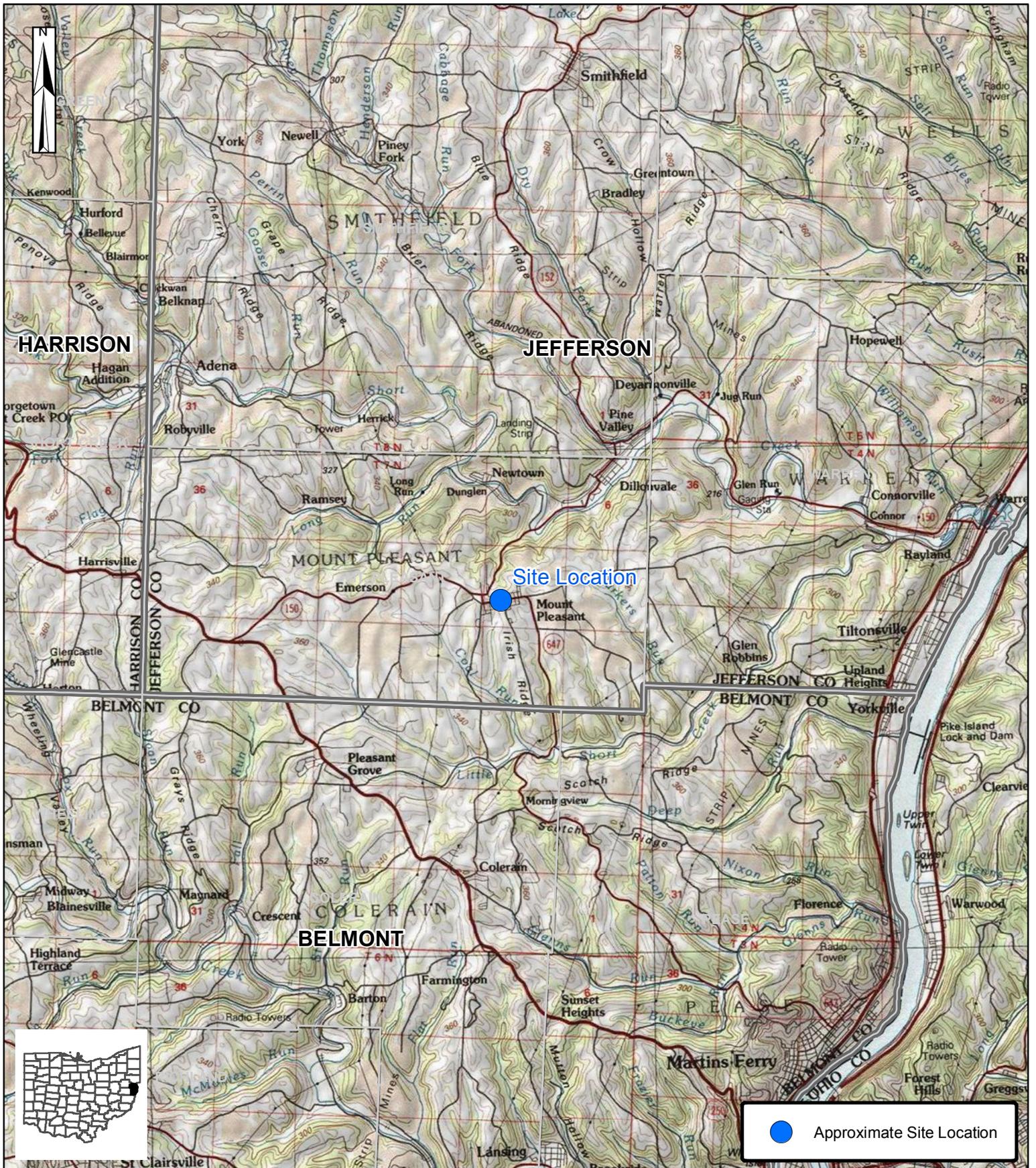


Ohio RCAP GIS Team
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 4030 SR 43
 Kent, OH 44240

Mt. Pleasant Water
 System Improvements
 Aerial 100,000

Mt. Pleasant, Jefferson County, Ohio 43939

Date: 2017



 Approximate Site Location



0 2,900 5,800 8,700 11,600 Feet

1:100,000

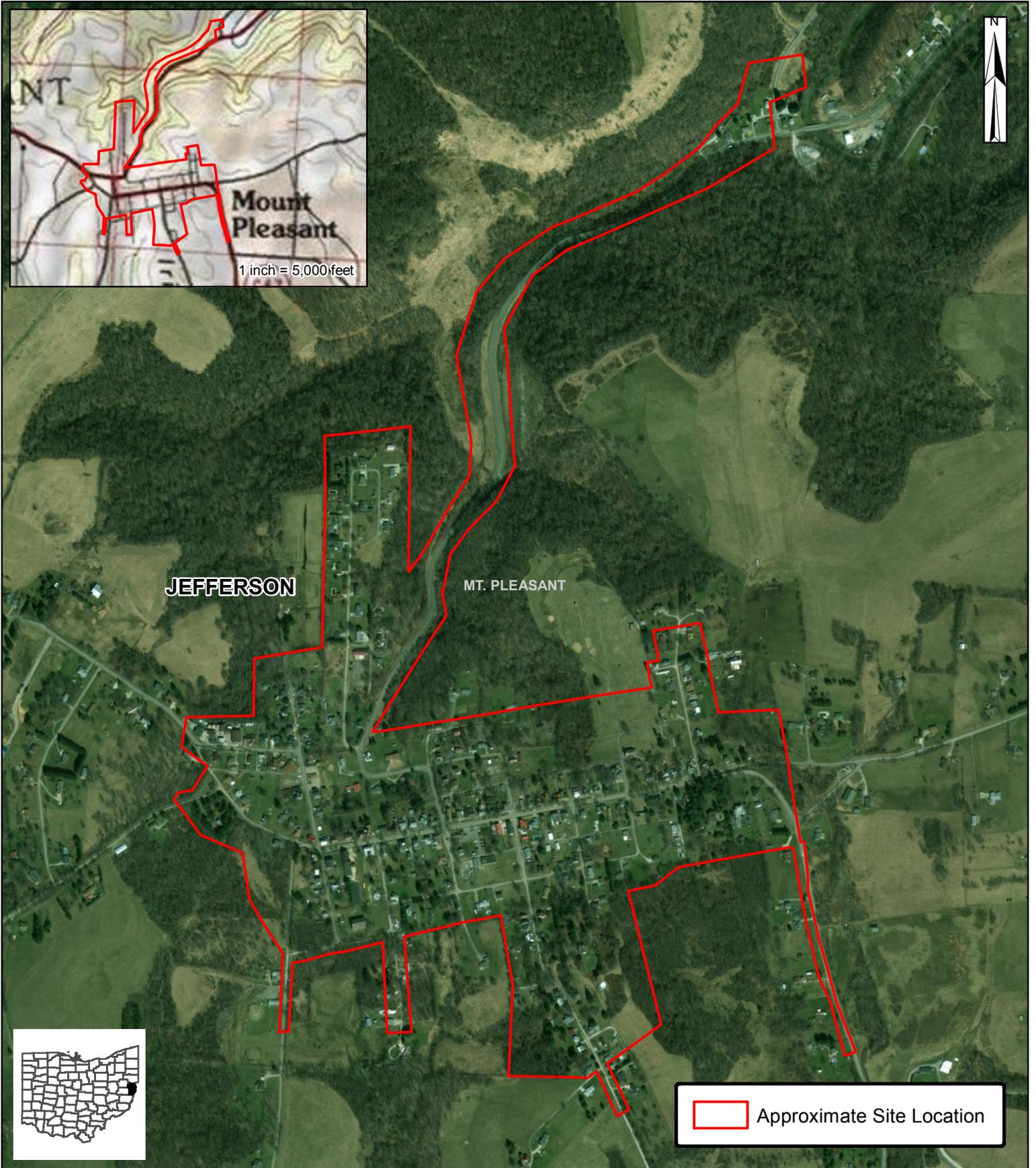
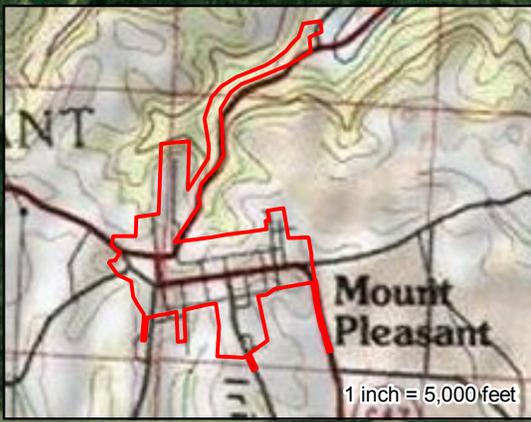
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 Kent, OH 44240

Mt. Pleasant Water
 System Improvements
 Topo100,000

Mt. Pleasant, Jefferson County, Ohio 43939

Date: 2017

By: epeluchette



 Approximate Site Location



0 290 580 870 1,160 Feet

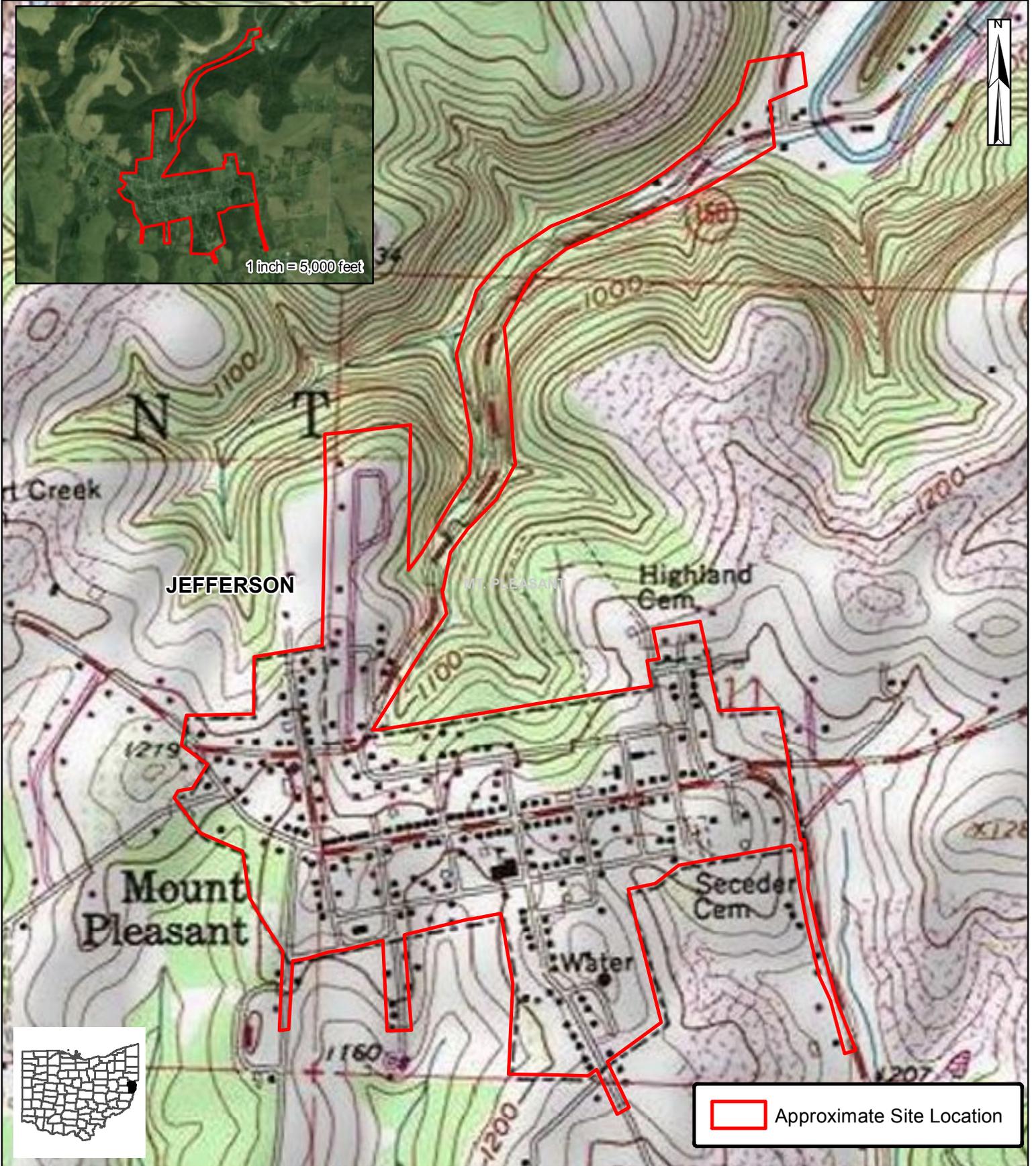
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Mt. Pleasant Water
 System Improvements
 Site Location

Mt. Pleasant, Jefferson County, Ohio 43939

Date: 2018



 Approximate Site Location



1:10,146



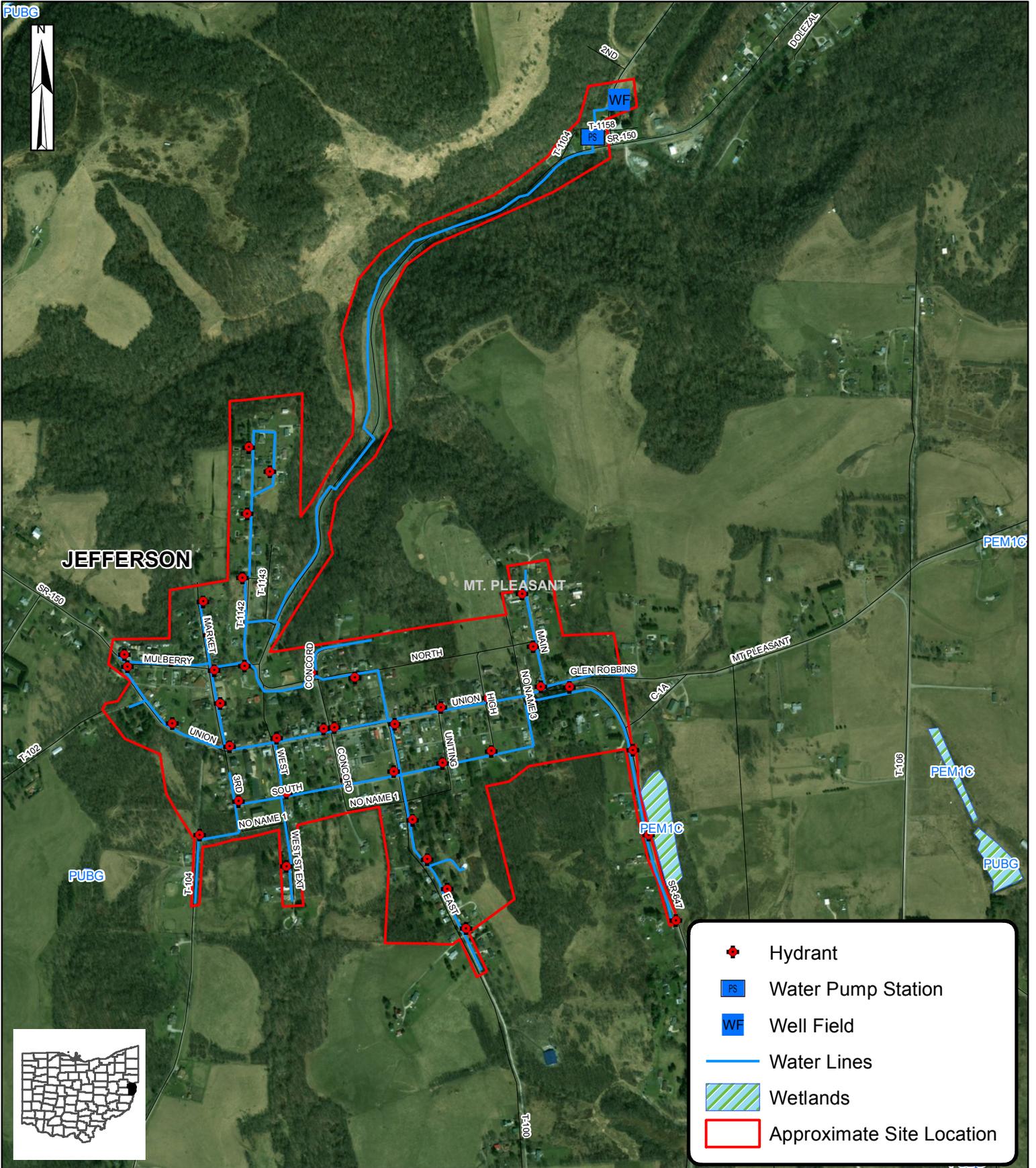
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Mt. Pleasant Water
 System Improvements
 Site Location

Mt. Pleasant, Jefferson County, Ohio 43939

Date: 2018

By: epeluchette



-  Hydrant
-  Water Pump Station
-  Well Field
-  Water Lines
-  Wetlands
-  Approximate Site Location



1:12,000

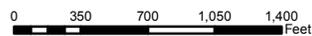
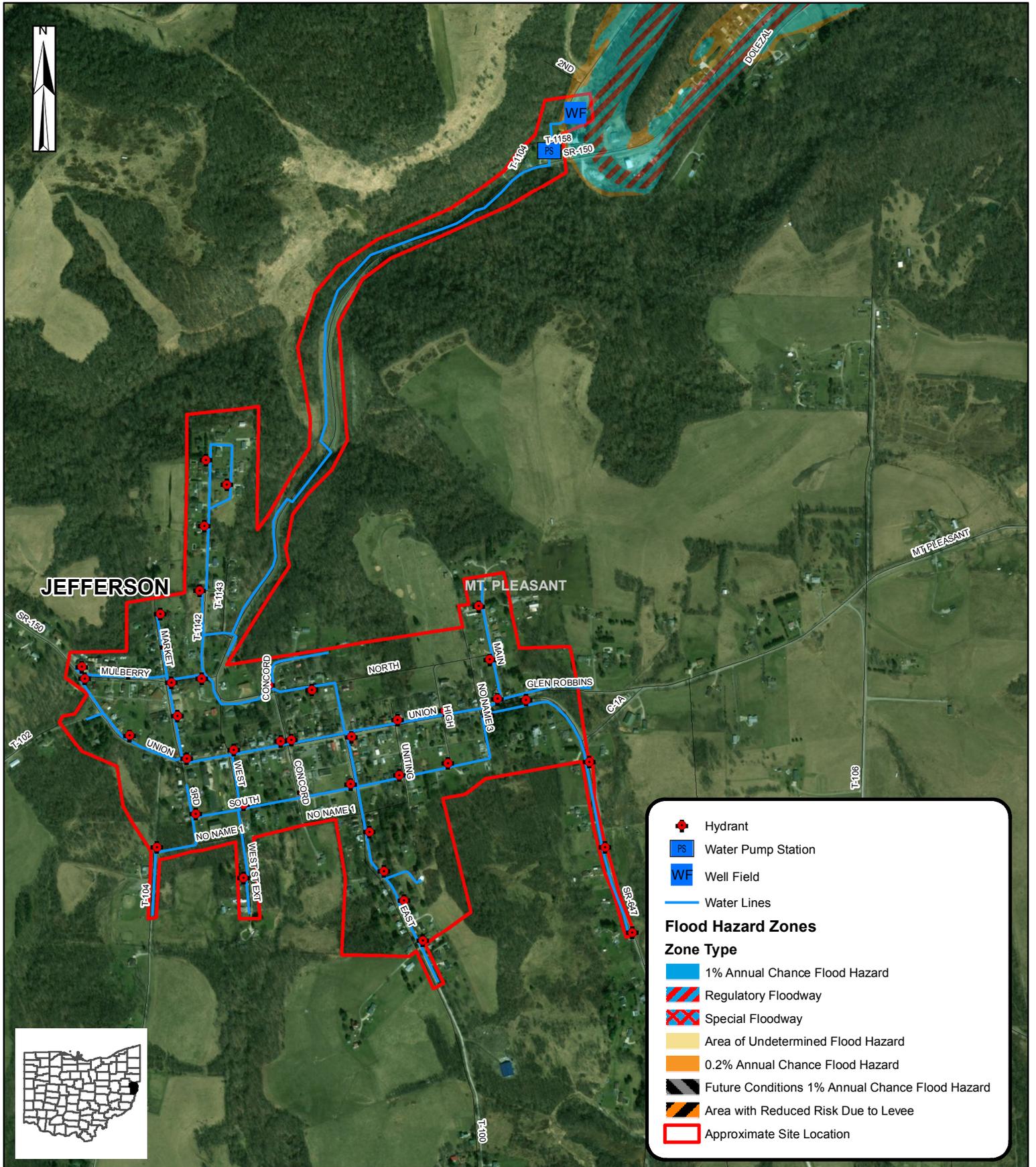


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Mt. Pleasant Water
 System Improvements
Wetlands

Mt. Pleasant, Jefferson County, Ohio 43939

Date: **2018**



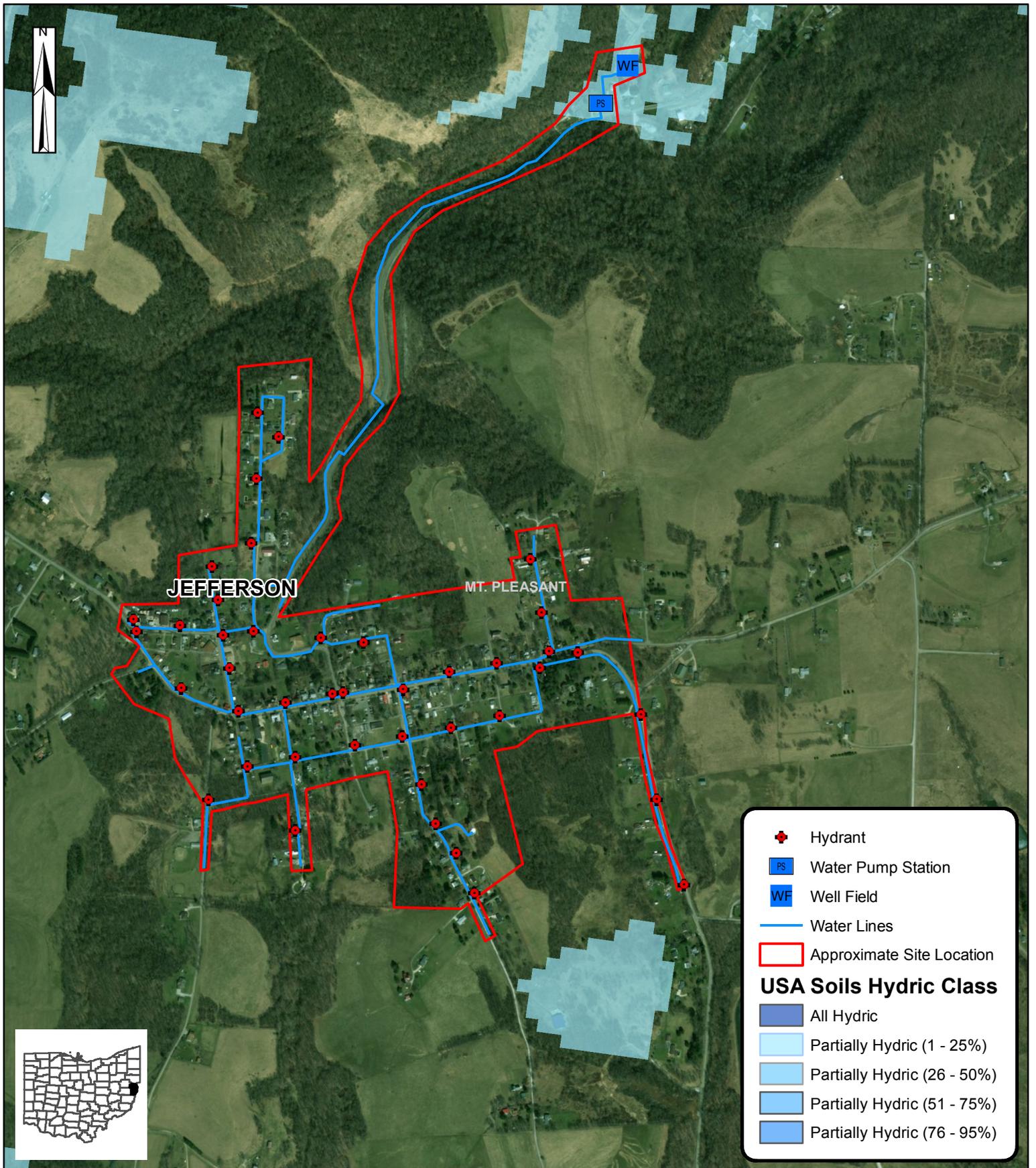
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Mt. Pleasant Water System Improvements
Fema Floodplain Map

Mt. Pleasant, Jefferson County, Ohio 43939

Date: **2017**



- Hydrant
- Water Pump Station
- Well Field
- Water Lines
- Approximate Site Location

USA Soils Hydric Class

- All Hydric
- Partially Hydric (1 - 25%)
- Partially Hydric (26 - 50%)
- Partially Hydric (51 - 75%)
- Partially Hydric (76 - 95%)

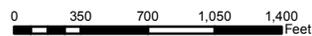
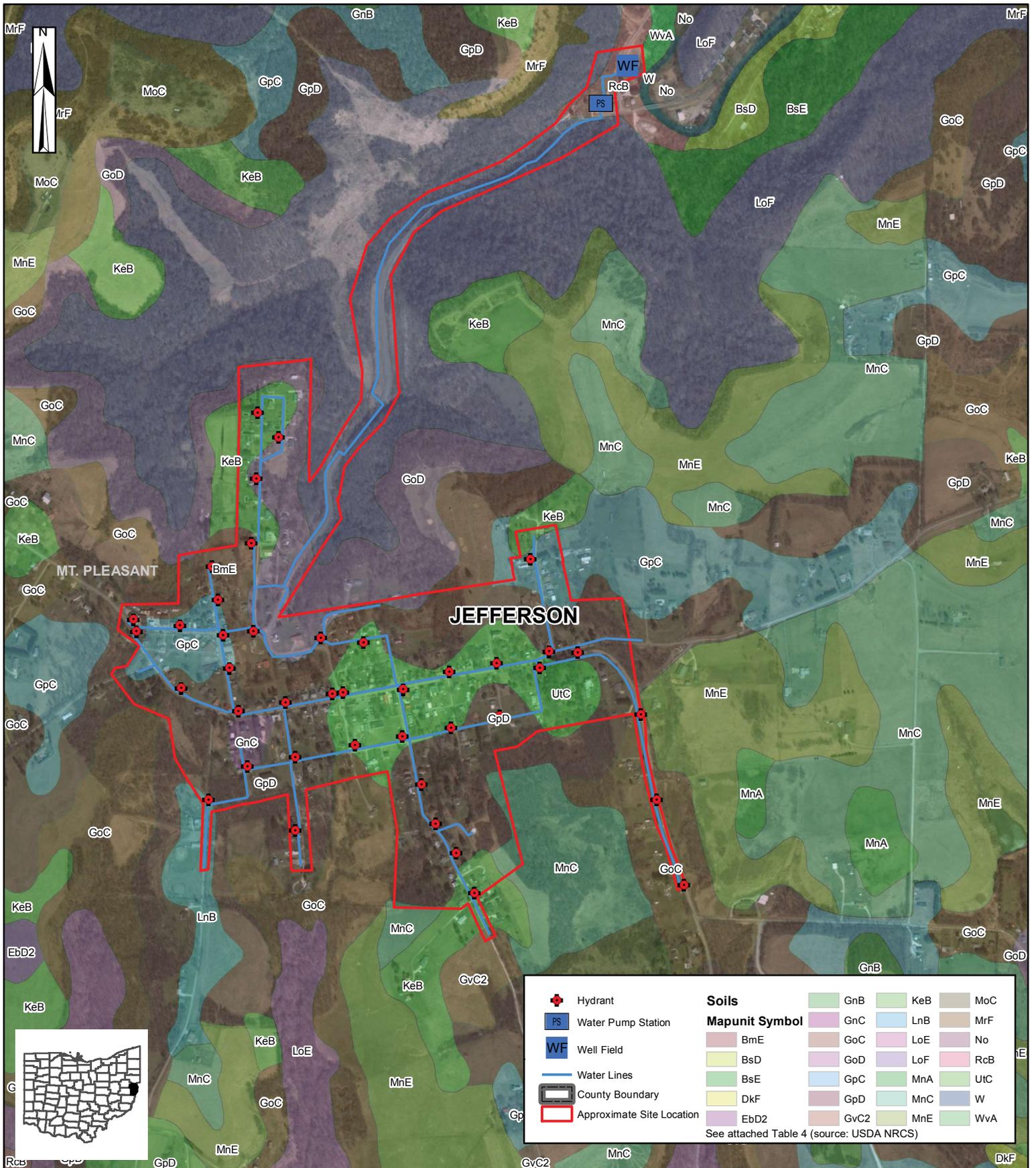


0 350 700 1,050 1,400 Feet
 1:12,000

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 Kent, OH 44240

Mt. Pleasant Water System Improvements
 Hydric Soils
 Mt. Pleasant, Jefferson County, Ohio 43939

Date: 2018



1:12,000

Ohio RCAP GIS Team
 Suite 112
 4030 SR 43
 Kent, OH 44240

Mt. Pleasant Water System Improvements
Soils

Mt. Pleasant, Jefferson County, Ohio 43939

Date: **2018**

By: epeluchette

TABLE 4.--ACREAGE AND PROPORTIONATE EXTENT OF THE SOILS

| Map symbol | Soil name | Acres | Percent |
|------------|--|--------|---------|
| BkB | Berks shaly silt loam, 3 to 8 percent slopes----- | 368 | 0.1 |
| BkC | Berks shaly silt loam, 8 to 15 percent slopes----- | 1,125 | 0.4 |
| BkD | Berks shaly silt loam, 15 to 25 percent slopes----- | 1,305 | 0.5 |
| RmC | Berks-Guernsey complex, 8 to 15 percent slopes----- | 4,280 | 1.6 |
| RmD | Berks-Guernsey complex, 15 to 25 percent slopes----- | 9,195 | 3.5 |
| RmE | Berks-Guernsey complex, 25 to 40 percent slopes----- | 3,940 | 1.5 |
| BnD | Bethesda silt loam, 8 to 25 percent slopes----- | 460 | 0.2 |
| BpC | Bethesda very channery clay loam, 3 to 15 percent slopes----- | 1,165 | 0.4 |
| BpF | Bethesda very channery clay loam, 25 to 70 percent slopes----- | 1,810 | 0.7 |
| BsC | Brookside silty clay loam, 8 to 15 percent slopes----- | 225 | 0.1 |
| BsD | Brookside silty clay loam, 15 to 25 percent slopes----- | 1,605 | 0.6 |
| BsE | Brookside silty clay loam, 25 to 40 percent slopes----- | 3,240 | 1.2 |
| CkD | Clarksburg silt loam, 15 to 25 percent slopes----- | 1,565 | 0.6 |
| CmD | Clarksburg-Urban land complex, 15 to 25 percent slopes----- | 370 | 0.1 |
| CnB | Coshocton silt loam, 1 to 7 percent slopes----- | 1,100 | 0.4 |
| DkE | Dekalb channery loam, 25 to 40 percent slopes----- | 90 | * |
| DkF | Dekalb channery loam, 40 to 70 percent slopes----- | 95 | * |
| Ds | Dumps, mine----- | 395 | 0.1 |
| EbC2 | Elba silty clay loam, 8 to 15 percent slopes, eroded----- | 1,785 | 0.7 |
| EbD2 | Elba silty clay loam, 15 to 25 percent slopes, eroded----- | 4,150 | 1.6 |
| FaC | Fairpoint silt loam, 3 to 15 percent slopes----- | 410 | 0.2 |
| FbC | Fairpoint very shaly clay loam, 3 to 15 percent slopes----- | 590 | 0.2 |
| FbF | Fairpoint very shaly clay loam, 25 to 70 percent slopes----- | 1,375 | 0.5 |
| FcB | Fitchville Variant silt loam, 1 to 6 percent slopes----- | 860 | 0.3 |
| GnB | Gilpin silt loam, 3 to 8 percent slopes----- | 3,320 | 1.3 |
| GnC | Gilpin silt loam, 8 to 15 percent slopes----- | 6,460 | 2.4 |
| GnD | Gilpin silt loam, 15 to 25 percent slopes----- | 3,640 | 1.4 |
| GoC | Gilpin-Coshocton silt loams, 8 to 15 percent slopes----- | 10,180 | 3.9 |
| GoD | Gilpin-Coshocton silt loams, 15 to 25 percent slopes----- | 7,535 | 2.9 |
| GpC | Gilpin-Lowell silt loams, 8 to 15 percent slopes----- | 11,005 | 4.2 |
| GpD | Gilpin-Lowell silt loams, 15 to 25 percent slopes----- | 14,800 | 5.6 |
| GsB | Glenford silt loam, 1 to 7 percent slopes----- | 30 | * |
| GsC | Glenford silt loam, 7 to 15 percent slopes----- | 15 | * |
| GuB | Guernsey silt loam, 1 to 7 percent slopes----- | 1,105 | 0.4 |
| GvC2 | Guernsey silty clay loam, 7 to 15 percent slopes, eroded----- | 1,470 | 0.6 |
| HfE | Hazleton-Summitville complex, 15 to 40 percent slopes----- | 11,065 | 4.2 |
| HgE | Hazleton-Westmoreland complex, 25 to 40 percent slopes----- | 5,095 | 1.9 |
| HgF | Hazleton-Westmoreland complex, 40 to 70 percent slopes----- | 4,635 | 1.8 |
| KeB | Keene silt loam, 1 to 7 percent slopes----- | 1,485 | 0.6 |
| LnB | Lowell silt loam, 1 to 7 percent slopes----- | 615 | 0.2 |
| LnC | Lowell silt loam, 7 to 15 percent slopes----- | 3,350 | 1.3 |
| LoD2 | Lowell silty clay loam, 15 to 25 percent slopes, eroded----- | 8,575 | 3.2 |
| LoE | Lowell silty clay loam, 25 to 40 percent slopes----- | 6,740 | 2.6 |
| LoF | Lowell silty clay loam, 40 to 70 percent slopes----- | 5,405 | 2.1 |
| Me | Melvin silt loam, ponded----- | 435 | 0.2 |
| MnA | Morristown silty clay loam, 0 to 3 percent slopes----- | 355 | 0.1 |
| MnC | Morristown silty clay loam, 3 to 15 percent slopes----- | 6,280 | 2.4 |
| MnE | Morristown silty clay loam, 15 to 40 percent slopes----- | 3,425 | 1.3 |
| MoA | Morristown shaly silty clay loam, 0 to 3 percent slopes, stony----- | 980 | 0.4 |
| MoC | Morristown shaly silty clay loam, 3 to 15 percent slopes, stony----- | 6,770 | 2.6 |
| MrF | Morristown shaly silty clay loam, 25 to 70 percent slopes, bouldery----- | 23,595 | 9.0 |
| No | Nolin silt loam, occasionally flooded----- | 1,540 | 0.6 |
| OmB | Omulga silt loam, 1 to 7 percent slopes----- | 760 | 0.3 |
| OmC | Omulga silt loam, 7 to 15 percent slopes----- | 690 | 0.3 |
| Or | Orrville silt loam, occasionally flooded----- | 740 | 0.3 |
| PeB | Pekin silt loam, 1 to 7 percent slopes----- | 425 | 0.2 |
| RcB | Richland silt loam, 1 to 7 percent slopes----- | 3,975 | 1.5 |
| RcC | Richland silt loam, 7 to 15 percent slopes----- | 200 | 0.1 |
| RgC | Rigley sandy loam, 8 to 15 percent slopes----- | 215 | 0.1 |
| RgD | Rigley sandy loam, 15 to 25 percent slopes----- | 58 | * |
| StB | Steinsburg-Rigley Variant fine sandy loams, 3 to 8 percent slopes----- | 235 | 0.1 |
| StC | Steinsburg-Rigley Variant fine sandy loams, 8 to 15 percent slopes----- | 4,245 | 1.6 |

See footnote at end of table.

TABLE 4.--ACREAGE AND PROPORTIONATE EXTENT OF THE SOILS--Continued

| Map symbol | Soil name | Acres | Percent |
|------------|--|---------|---------|
| StD | Steinsburg-Rigley Variant fine sandy loams, 15 to 25 percent slopes----- | 5,142 | 2.0 |
| Tf | Tioga loam, rarely flooded----- | 200 | 0.1 |
| Tg | Tioga silt loam, occasionally flooded----- | 2,605 | 1.0 |
| Ub | Udorthents, loamy----- | 1,535 | 0.6 |
| Uc | Udorthents-Pits complex----- | 2,080 | 0.8 |
| Ud | Udorthents-Urban land complex----- | 1,750 | 0.7 |
| UpC2 | Upshur silty clay loam, 8 to 15 percent slopes, eroded----- | 270 | 0.1 |
| Ur | Urban land----- | 1,510 | 0.6 |
| UsA | Urban land-Chavies complex, 0 to 3 percent slopes----- | 970 | 0.4 |
| UtC | Urban land-Gilpin-Lowell complex, 8 to 15 percent slopes----- | 1,100 | 0.4 |
| UtD | Urban land-Gilpin-Lowell complex, 15 to 25 percent slopes----- | 490 | 0.2 |
| UvC | Urban land-Omulga complex, 3 to 15 percent slopes----- | 720 | 0.3 |
| UwB | Urban land-Steinsburg complex, 3 to 8 percent slopes----- | 340 | 0.1 |
| WeB | Wellston silt loam, 1 to 7 percent slopes----- | 580 | 0.2 |
| WkC | Westmoreland silt loam, 8 to 15 percent slopes----- | 285 | 0.1 |
| WkD | Westmoreland silt loam, 15 to 25 percent slopes----- | 40 | * |
| WtE | Westmoreland-Berks complex, 25 to 40 percent slopes----- | 3,510 | 1.3 |
| WtF | Westmoreland-Berks complex, 40 to 70 percent slopes----- | 14,845 | 5.6 |
| WuF | Westmoreland-Lowell complex, 40 to 70 percent slopes----- | 19,975 | 7.6 |
| WvA | Wheeling silt loam, 0 to 3 percent slopes----- | 830 | 0.3 |
| | Water----- | 1,120 | 0.4 |
| | Total----- | 262,848 | 100.0 |

* Less than 0.1 percent.



1. Existing Well Field



2. From Well Field looking towards SR 150



3. St. Rt. 647



4. St. Rt. 647



5. Union Street



6. Uniting Street



7. Union Street



8. Concord Street



9. Union Street From Concord St.



10. Concord Street



11. St Rt. 647



12. St. Rt. 150



13. St. Rt. 150



14. St Rt 150



15. St. Rt. 150



16. Union Street



17. South Street



18. South Street



19. East Street



20. Corner of Union St. & East St.



21. Church on Union Street



22. Corner of Market & Union



23. Mulberry Street



24. Corner of Market & Mulberry



25. Mulberry Street



26. Union Street



27. Union Street



28. Union at Uniting Sreet



29. High Street



30. High Street



31. South Street



32. South at East Street



33. North Street



34. Corner of Union and Market Streets

OHIO DEPARTMENT OF NATURAL RESOURCES



Ohio Department of Natural Resources

JOHN R. KASICH, GOVERNOR

JAMES ZEHRINGER, DIRECTOR

Office of Real Estate

Paul R. Baldrige, Chief
2045 Morse Road – Bldg. E-2
Columbus, OH 43229
Phone: (614) 265-6649
Fax: (614) 267-4764

October 25, 2017

Pam Ewing
Ohio RCAP
PO Box 591
Toledo, Ohio 43697

Re: 17-609; Village of Mt. Pleasant - Wastewater Treatment and Collection System

Project: The proposed project involves the construction of approximately 22,395 linear feet of 4" to 6" waterline and service lines. The project will also consist of installation of new hydrants, valves, booster pumps, water storage tank improvements and rehabilitation of an existing well.

Location: The proposed project is located in the Village of Mt. Pleasant, Jefferson County, Ohio.

The Ohio Department of Natural Resources (ODNR) has completed a review of the above referenced project. These comments were generated by an inter-disciplinary review within the Department. These comments have been prepared under the authority of the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661 et seq.), the National Environmental Policy Act, the Coastal Zone Management Act, Ohio Revised Code and other applicable laws and regulations. These comments are also based on ODNR's experience as the state natural resource management agency and do not supersede or replace the regulatory authority of any local, state or federal agency nor relieve the applicant of the obligation to comply with any local, state or federal laws or regulations.

Natural Heritage Database: The Natural Heritage Database has no records at or within a one-mile radius of the project area.

A review of the Ohio Natural Heritage Database indicates there are no records of state endangered or threatened plants or animals within the project area. There are also no records of state potentially threatened plants, special interest or species of concern animals, or any federally listed species. In addition, we are unaware of any unique ecological sites, geologic features, animal assemblages, scenic rivers, state wildlife areas, state nature preserves, state or national parks, state or national forests, national wildlife refuges, or other protected natural areas within the project area. The review was performed on the project area you specified in your request as well as an additional one mile radius. Records searched date from 1980.

Please note that Ohio has not been completely surveyed and we rely on receiving information from many sources. Therefore, a lack of records for any particular area is not a statement that rare species or unique features are absent from that area. Although all types of plant communities have been surveyed, we only maintain records on the highest quality areas.

Fish and Wildlife: The Division of Wildlife (DOW) has the following comments.

The DOW recommends that impacts to streams, wetlands and other water resources be avoided and minimized to the fullest extent possible, and that best management practices be utilized to minimize erosion and sedimentation.

The project is within the range of the Indiana bat (*Myotis sodalis*), a state endangered and federally endangered species. The following species of trees have relatively high value as potential Indiana bat roost trees: shagbark hickory (*Carya ovata*), shellbark hickory (*Carya laciniosa*), bitternut hickory (*Carya cordiformis*), black ash (*Fraxinus nigra*), green ash (*Fraxinus pennsylvanica*), white ash (*Fraxinus americana*), shingle oak (*Quercus imbricaria*), northern red oak (*Quercus rubra*), slippery elm (*Ulmus rubra*), American elm (*Ulmus americana*), eastern cottonwood (*Populus deltoides*), silver maple (*Acer saccharinum*), sassafras (*Sassafras albidum*), post oak (*Quercus stellata*), and white oak (*Quercus alba*). Indiana bat roost trees consists of trees that include dead and dying trees with exfoliating bark, crevices, or cavities in upland areas or riparian corridors and living trees with exfoliating bark, cavities, or hollow areas formed from broken branches or tops. However, Indiana bats are also dependent on the forest structure surrounding roost trees. If suitable habitat occurs within the project area, the DOW recommends trees be conserved. If suitable habitat occurs within the project area and trees must be cut, the DOW recommends cutting occur between October 1 and March 31. If suitable trees must be cut during the summer months, the DOW recommends a net survey be conducted between June 1 and August 15, prior to any cutting. Net surveys should incorporate either nine net nights per square 0.5 kilometer of project area, or four net nights per kilometer for linear projects. If no tree removal is proposed, this project is not likely to impact this species.

The project is within the range of the black sandshell (*Ligumia recta*), a state threatened mussel, and the threehorn wartyback (*Obliquaria reflexa*), a state threatened mussel. Due to the location, and that there is no in-water work proposed in a perennial stream, this project is not likely to impact these species.

The project is within the range of the river darter (*Percina shumardi*) a state threatened fish, the paddlefish (*Polyodon spathula*) a state threatened fish, the channel darter (*Percina copelandi*), a state threatened fish, and the Tippecanoe darter (*Etheostoma tippecanoe*), a state threatened fish. Due to the location, and that there is no in-water work proposed in a perennial stream, this project is not likely to impact these species.

The project is within the range of the eastern hellbender (*Cryptobranchus alleganiensis alleganiensis*), a state endangered species and a federal species of concern. Due to the location, and that there is no in-water work proposed in a perennial stream of sufficient size to provide suitable habitat, this project is not likely to impact this species.

The project is within the range of the black bear (*Ursus americanus*), a state endangered species. Due to the mobility of this species, this project is not likely to impact this species.

Due to the potential of impacts to federally listed species, as well as to state listed species, we recommend that this project be coordinated with the U.S. Fish & Wildlife Service.

Water Resources: The Division of Water Resources has the following comments.

The local floodplain administrator should be contacted concerning the possible need for any floodplain permits or approvals for this project. Your local floodplain administrator contact information can be found at the website below.

http://water.ohiodnr.gov/portals/soilwater/pdf/floodplain/Floodplain%20Manager%20Community%20Contact%20List_8_16.pdf

ODNR appreciates the opportunity to provide these comments. Please contact John Kessler at (614) 265-6621 if you have questions about these comments or need additional information.

John Kessler
ODNR Office of Real Estate
2045 Morse Road, Building E-2
Columbus, Ohio 43229-6693
John.Kessler@dnr.state.oh.us



*Pam Ewing – Ohio RCAP
1817 St. Rt. 83, Unit 423
Millersburg, OH 44654
Ph 330-674-9600
Cell: 419-651-0704
Fax: 330-674-4176
psewing@wsos.org*

August 3, 2017

Ms. Sarah Tebbe
Ohio Department of Natural Resources
Division of Natural Areas and Preserves
2045 Morse Road
Columbus, OH 43229

RE: Village of Mt. Pleasant, Jefferson County, Ohio
Wastewater Treatment and Collection System

Dear Ms. Tebbe:

The Village of Mt. Pleasant is in the process of performing an environmental review pursuant to the National Environmental Policy Act for the U.S. Army Corps of Engineers in order that it may assess the environmental impacts of the construction of water system improvements in the Village of Mt. Pleasant, Jefferson County, Ohio. The project is being proposed to eliminate an existing water distribution system that has reached the end of its useful life.

Enclosed is a completed Data Request Form with attached an U.S. Geological Survey map(s) that depicts the proposal's construction activities and a description of the work involved.

The Village of Mt. Pleasant requests that your office review the proposal for any State and Federally-listed threatened and endangered species and any other important State natural resources that may occur in the project area. Please provide any recommendations you may have to mitigate or avoid these impacts.

We would appreciate a response within 30 days. If you need any further information or wish to discuss this project, please contact me at 330/674-9600 or psewing@wsos.org.

Sincerely,

Pam Ewing

PAM EWING
Sr. Rural Development Specialist
Rural Community Assistance Program (RCAP)



DATA REQUEST FORM

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF NATURAL AREAS AND PRESERVES
OHIO NATURAL HERITAGE PROGRAM
2045 MORSE RD., BLDG. F-1
COLUMBUS, OHIO 43229-6693
PHONE: 614-265-6453; FAX: 614-267-3096

INSTRUCTIONS:

Please complete both sides of this form, sign and return it to the address or fax number given above along with: **(1)** a brief letter describing your project, and **(2)** a map detailing the boundaries of your project site. A copy of the pertinent portion of a USGS 7.5 minute topographic map is preferred but other maps are acceptable. Our turnaround time is two weeks, although we can often respond more quickly. If you fax in your request you do not need to mail the original unless otherwise requested.

FEES:

Fees are determined by the amount of time it takes to complete your project. The charge is \$50.00 per half hour with a one hour minimum. A cost estimate can be provided upon request. An invoice will be included with our response.

WHAT WE PROVIDE: The Natural Heritage Database is the most comprehensive source of information on the location of Ohio's rare species and significant natural features. Our inventory program has not completely surveyed Ohio and relies on information supplied by many individuals and organizations. Therefore, a lack of records for any particular area is not a statement that rare species or unique features are absent from that area. Records for the following will be provided from the Natural Heritage Database: plants and animals (state and federal listed species), high quality examples of natural plant communities, geologic features, breeding animal concentrations, and unprotected natural areas. In addition, we report locations for managed areas including federal, state, county, local and non-profit areas, as well as state and national scenic rivers. Natural Heritage Data can be provided in many formats, including GIS shapefiles, spreadsheets, printed reports or maps. A minimum one mile radius around the project site will automatically be searched. Because Natural Heritage data is sensitive information, it is our policy to provide only the data needed to complete your project.

Date: August 3, 2017

Company name: WSOS, CAC – Ohio RCAP

Your name: Pam Ewing

Address: 1817 St. Rt. 83, Unit 423

City/State/Zip: Millersburg, OH 44654

Phone: 330-674-9600 Fax: 330-674-4176

E-mail address: psewing@wsos.org

Project Name: Mt. Pleasant Water System Improvement Project

Project Number: _____

Project Site Address: Village of Mt. Pleasant

Project County: Jefferson

Project Township: _____

Project site is located on the following USGS 7.5 minute topographic quad(s): _____

Dillonvale Quad

Description of project: See attached project description

How do you want your data reported? Printed list and map GIS shapefile _____

Other format (please specify): _____

Additional information required: Provide mitigation measures, if applicable.

How will the information be used? Completion of a U.S. Army Corps Environmental Report.

I certify that data supplied by the Ohio Natural Heritage Program will not be published without crediting the ODNR Division of Natural Areas and Preserves as the source of the material. In addition, I certify that electronic datasets will not be distributed to others without the consent of the Division of Natural Areas and Preserves, Ohio Natural Heritage Program.

Signature *Pam Ewing*

Date: 8/3/17

Village of Mt. Pleasant, Jefferson County, Ohio
Water System Improvement Project.

The Village of Mt. Pleasant plans to complete a water system improvement project which will consist of construction of approximately 22,395 lf of 4" to 6" waterline and service lines. The project will also consist of installation of new hydrants, valves, booster pumps, water storage tank improvements and rehabilitation of an existing well located at the Mt. Pleasant well field.

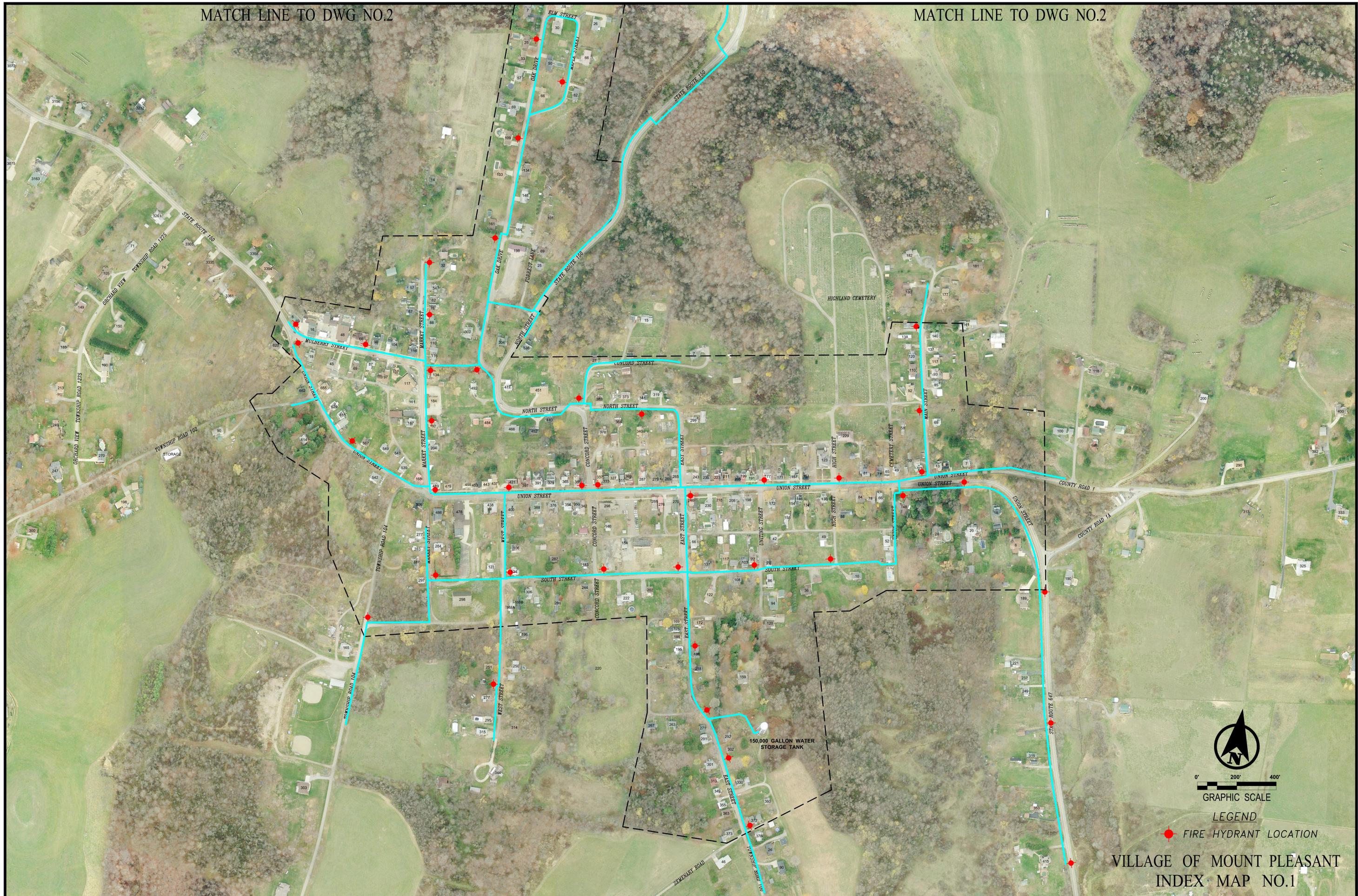
The waterline will be installed immediately parallel to the existing waterline within streets and alley rights of way throughout the Village of Mt. Pleasant. The existing waterline from the Village along SR 150 to the well field will also be replaced and will occur within the right of way of this roadway.

The existing wellfield is located in a flat area adjacent to Short Creek near the intersection of County Route 7 and SR 150, south of the Village of Mt. Pleasant. Work at this site will include rehabilitation of an existing well to bring the well back into service.

Tree removal is not anticipated. The existing well field is located in the floodplain of Short Creek. It is not anticipated that any adverse impacts will occur to the floodplain as the proposed project consists of rehabilitation of an existing well. No new construction will occur at this site. Disturbance will be minimal and temporary in nature. A review of wetland maps indicates the project will not impact wetland areas. No in-water work is anticipated. All areas of proposed construction activities have been previously disturbed by the existing water distribution system and other utilities. No farmland will be impacted by the proposed project elements.

MATCH LINE TO DWG NO.2

MATCH LINE TO DWG NO.2



GRAPHIC SCALE

LEGEND

◆ FIRE HYDRANT LOCATION

VILLAGE OF MOUNT PLEASANT
INDEX MAP NO.1

K:\MountPleasant\GIS\Projects\Water\Systems_Improvements\01_24_Map_MountPleasant_Village_Improvements\01_24_Map_MountPleasant_Village_Improvements.dwg, 8/1/2017 4:11:42 PM, DWG, 10, 488, 488, 1, 1000



WATER PUMPING STATION

WELL FIELD

STATE ROUTE 150

COUNTY ROUTE 7

STATE ROUTE 150



0' 200' 400'

GRAPHIC SCALE

LEGEND

● FIRE HYDRANT LOCATION

MATCH LINE TO DWG NO.1

MATCH LINE TO DWG NO.1

VILLAGE OF MOUNT PLEASANT
INDEX MAP NO.2

K:\MountPleasant\GIS\Projects\Water System Improvement\GIS_01\Map_MountPleasant_2017\000_SiteMap_Aug_16_2017_4.26.00 PM_SWS_V1.dwg, p.3, 1/200



1. Existing Well Field



2. From Well Field looking towards SR 150

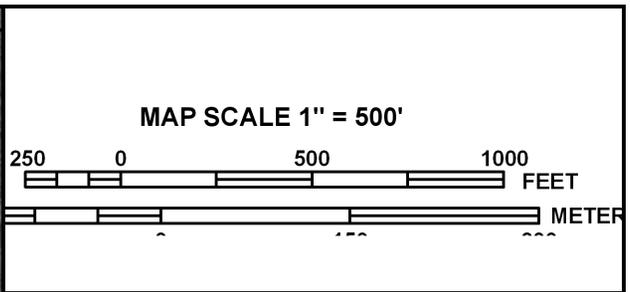
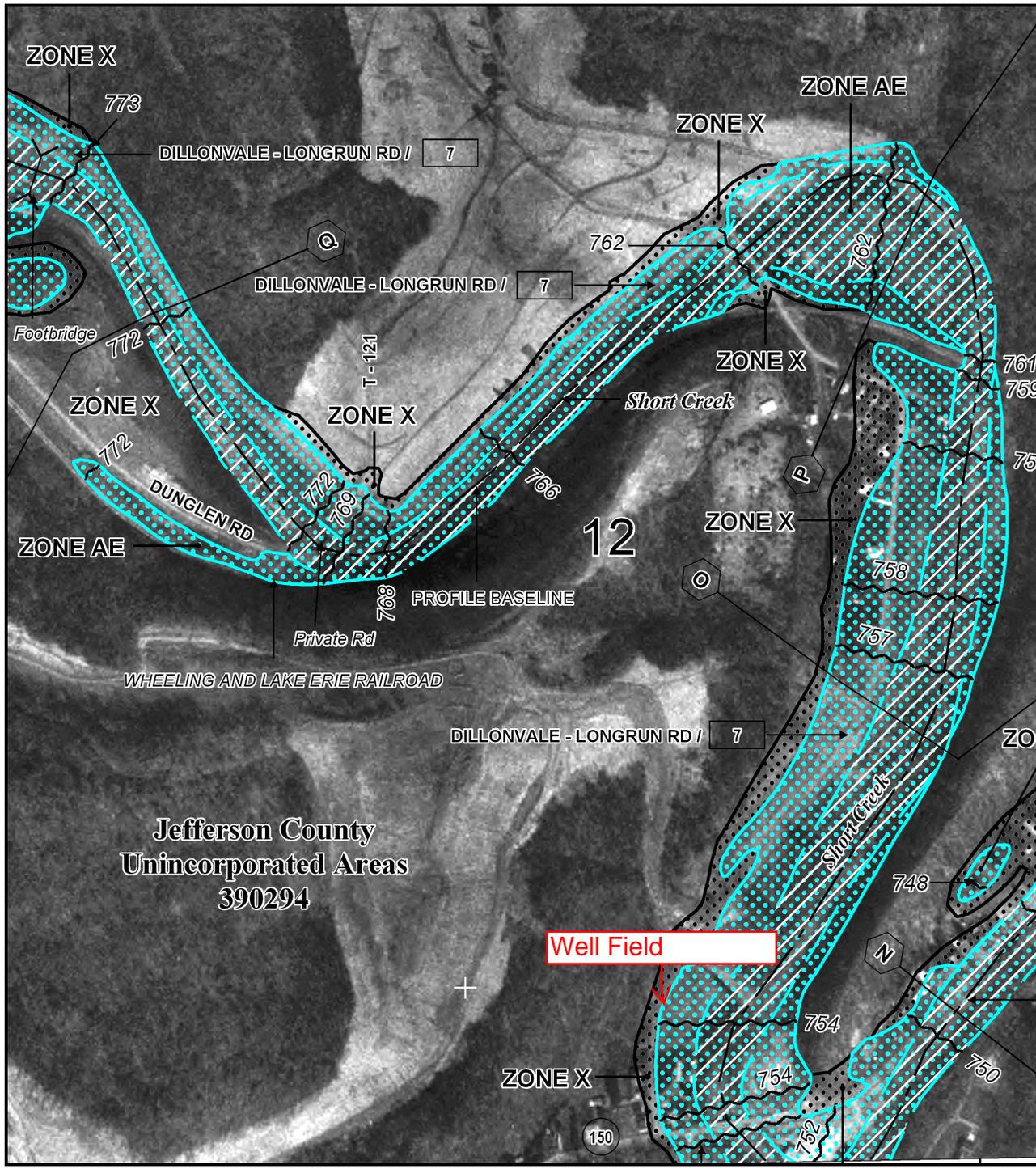












NFIP
 NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0333D

FIRM
 FLOOD INSURANCE RATE MAP
 JEFFERSON COUNTY,
 OHIO
 AND INCORPORATED AREAS

PANEL 333 OF 375
 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

| COMMUNITY | NUMBER | PANEL | SUFFIX |
|------------------------|--------|-------|--------|
| DILLONVALE, VILLAGE OF | 390298 | 0333 | D |
| JEFFERSON COUNTY | 390294 | 0333 | D |

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.



MAP NUMBER
 39081C0333D
 EFFECTIVE DATE
 APRIL 5, 2006

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov



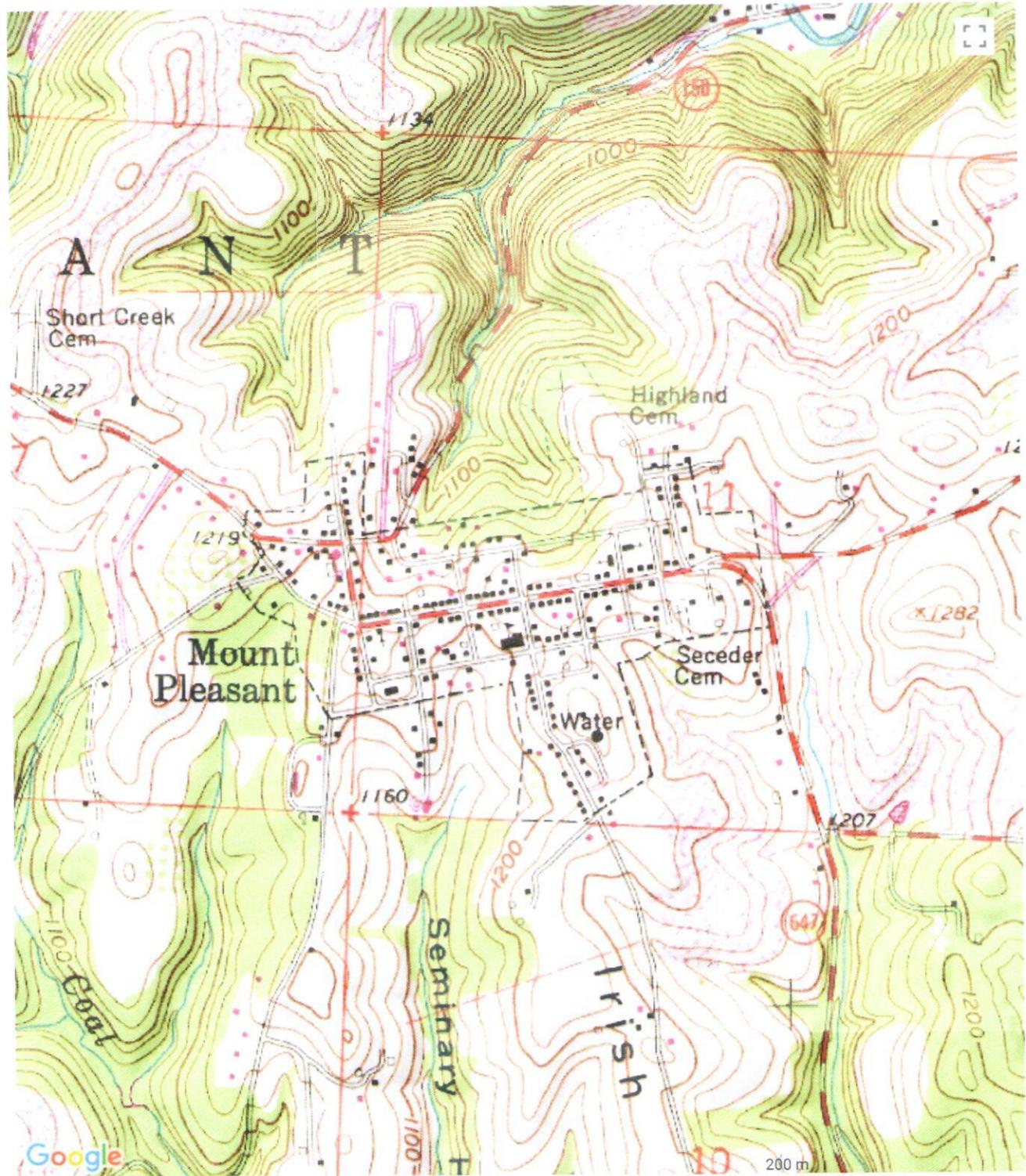
August 3, 2017

Wetlands

- | | | | | | |
|---|--------------------------------|---|-----------------------------------|---|----------|
|  | Estuarine and Marine Deepwater |  | Freshwater Emergent Wetland |  | Lake |
|  | Estuarine and Marine Wetland |  | Freshwater Forested/Shrub Wetland |  | Other |
| | |  | Freshwater Pond |  | Riverine |

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Village of Mount Pleasant Historic District Topo Map in Jefferson County Ohio



[Print this map](#)

Map provided by TopoZone.com

U.S. FISH AND WILDLIFE SERVICE

PAM EWING - Village of Mt. Pleasant Water System improvements, Jefferson Co.

From: "Ohio, FW3" <ohio@fws.gov>
To: Pam Ewing <psewing@wsos.org>
Date: 8/24/2017 8:29 AM
Subject: Village of Mt. Pleasant Water System improvements, Jefferson Co.
Cc: <nathan.reardon@dnr.state.oh.us>, <kate.parsons@dnr.state.oh.us>



UNITED STATES DEPARTMENT OF THE INTERIOR
 U.S. Fish and Wildlife Service
 Ecological Services Office
 4625 Morse Road, Suite 104
 Columbus, Ohio 43230
 (614) 416-8993 / Fax (614) 416-8994



TAILS# 03E15000-2017-TA-1625

Dear Ms. Ewing,

We have received your recent correspondence requesting information about the subject proposal. There are no federal wilderness areas, wildlife refuges or designated critical habitat within the vicinity of the project area. The following comments and recommendations will assist you in fulfilling the requirements for consultation under section 7 of the Endangered Species Act of 1973, as amended (ESA).

The U.S. Fish and Wildlife Service (Service) recommends that proposed developments avoid and minimize water quality impacts and impacts to high quality fish and wildlife habitat (e.g., forests, streams, wetlands). Additionally, natural buffers around streams and wetlands should be preserved to enhance beneficial functions. If streams or wetlands will be impacted, the Corps of Engineers should be contacted to determine whether a Clean Water Act section 404 permit is required. Best management practices should be used to minimize erosion, especially on slopes. All disturbed areas should be mulched and revegetated with native plant species. Prevention of non-native, invasive plant establishment is critical in maintaining high quality habitats.

FEDERALLY LISTED SPECIES COMMENTS: All projects in the State of Ohio lie within the range of the federally endangered **Indiana bat** (*Myotis sodalis*) and the federally threatened **northern long-eared bat** (*Myotis septentrionalis*). In Ohio, presence of the Indiana bat and northern long-eared bat is assumed wherever suitable habitat occurs unless a presence/absence survey has been performed to document absence. Suitable summer habitat for Indiana bats and northern long-eared bats consists of a wide variety of forested/wooded habitats where they roost, forage, and travel and may also include some adjacent and interspersed non-forested habitats such as emergent wetlands and adjacent edges of agricultural fields, old fields and pastures. This includes forests and woodlots containing potential roosts (i.e., live trees and/or snags ≥ 3 inches diameter at breast height (dbh) that have any exfoliating bark, cracks, crevices, hollows and/or cavities), as well as linear features such as fencerows, riparian forests, and other wooded corridors. These wooded areas may be dense or loose aggregates of trees with variable amounts of canopy closure. Individual trees may be considered suitable habitat when they exhibit the characteristics of a potential roost tree and are located within 1,000 feet (305 meters) of other forested/wooded habitat. Northern long-eared bats have also been observed roosting in human-made structures, such as buildings, barns, bridges, and bat houses; therefore, these structures should also be considered potential summer habitat. In the winter, Indiana bats and northern long-eared bats hibernate in caves and abandoned mines.

Should the proposed site contain trees ≥ 3 inches dbh, we recommend that trees be saved wherever possible. If any caves or abandoned mines may be disturbed, further coordination with this office is requested to determine if fall or spring portal surveys are warranted. If no caves or abandoned mines are present and trees ≥ 3 inches dbh cannot be avoided, we recommend that removal of any trees ≥ 3 inches dbh only occur between October 1 and March 31. Seasonal clearing is being recommended to avoid adverse effects to Indiana bats and northern long-eared bats. While incidental take of northern long-eared bats from most tree clearing is exempted by a 4(d) rule (see <http://www.fws.gov/midwest/endangered/mammals/nleb/index.html>), incidental take of Indiana bats is still prohibited without a project-specific exemption. Thus, seasonal clearing is recommended where Indiana bats are assumed present.

If implementation of this seasonal tree cutting recommendation is not possible, summer surveys may be conducted to document the presence or probable absence of Indiana bats within the project area during the summer. If a summer survey documents probable absence of Indiana bats, the 4(d) rule for the northern long-eared bat could be applied. Surveys must be conducted by an approved surveyor and be designed and conducted in coordination with the Endangered Species Coordinator for this office. Surveyors must have a valid federal permit. Please note that summer surveys may only be conducted between June 1 and August 15.

If there is a federal nexus for the project (e.g., federal funding provided, federal permits required to construct), no tree clearing should occur on any portion of the project area until consultation under section 7 of the ESA, between the Service and the federal action agency, is completed. We recommend that the federal action agency submit a determination of effects to this office, relative to the Indiana bat and northern long-eared bat, for our review and concurrence.

Due to the project type, size, and location, we do not anticipate adverse effects to any other federally endangered, threatened, proposed, or candidate species. Should the project design change, or during the term of this action, additional information on listed or proposed species or their critical habitat become available, or if new information reveals effects of the action that were not previously considered, consultation with the Service should be initiated to assess any potential impacts.

These comments have been prepared under the authority of the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661 et seq.), the ESA, and are consistent with the intent of the National Environmental Policy Act of 1969 and the Service's Mitigation Policy. This letter provides technical assistance only and does not serve as a completed section 7 consultation document. We recommend that the project be coordinated with the Ohio Department of Natural Resources due to the potential for the project to affect state listed species and/or state lands. Contact John Kessler, Environmental Services Administrator, at [\(614\) 265-6621](tel:6142656621) or at john.kessler@dnr.state.oh.us.

If you have questions, or if we can be of further assistance in this matter, please contact our office at [\(614\) 416-8993](tel:6144168993) or ohio@fws.gov.

Sincerely,



Dan Everson

Field Supervisor

cc: Nathan Reardon, ODNR-DOW

Kate Parsons, ODNR-DOW



*Pam Ewing – Ohio RCAP
1817 St. Rt. 83, Unit 423
Millersburg, OH 44654
Ph 330-674-9600
Cell: 419-651-0704
Fax: 330-674-4176
psewing@wsos.org*

August 3, 2017

U.S. Fish and Wildlife Service
Ohio Ecological Services field Office
4625 Morse Road, Suite 104
Columbus, OH 43230-8355

RE: Village of Mt. Pleasant, Jefferson County
Fish and Wildlife (03E15000-2017-SLI-1625)
Request for Concurrence in Determination

Dear Sir or Madam:

An IPaC review was completed for the proposed project and a species list was obtained from the USFWS on August 2, 2017 (see attached). An environmental report is being prepared to meet requirements of Section 594 funding from the U.S. Army Corps of Engineers, in pursuant to the National Environmental Policy Act.

Due to the location of the proposed project site and lack of species habitat, a determination has been made that no impacts to endangered, threatened or candidate species will occur.

The proposed project consists of construction of water distribution system improvements to replace existing waterline, hydrants and valves. Additional work will include well rehabilitation, pump replacement and water tower rehabilitation. Construction activities will occur within previously disturbed areas. No in-water work will occur. No wetland areas exist in the immediate project area. The site is located within the floodplain of the Scott Creek where work will be completed to rehabilitate an existing well. Impacts to the floodplain are not anticipated. Work in the floodplain will be minimal and short-term in nature.

Tree removal is not anticipated, however, if it is determined that removal of trees is unavoidable, mitigation measures have been developed prohibiting taking of trees during restricted dates in order to protect the Indiana bat and Northern Long-eared bat species.

I request your concurrence in our determination in order to complete consultation per Section 7 of the Endangered Species Act.

If you need any further information, please contact me at 330/674-9600.

Sincerely,

Pam Ewing

Pam Ewing
Sr. Rural Development Specialist
Rural Community Assistance Program (RCAP)

Enclosures: Comment letter from FWS with Species List
Site Photos
Project Description
Project Maps



United States Department of the Interior



FISH AND WILDLIFE SERVICE

Ohio Ecological Services Field Office
4625 Morse Road, Suite 104
Columbus, OH 43230-8355
Phone: (614) 416-8993 Fax: (614) 416-8994

In Reply Refer To:

August 02, 2017

Consultation Code: 03E15000-2017-SLI-1625

Event Code: 03E15000-2017-E-01508

Project Name: Mt. Pleasant Water System improvements

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the

human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts see <http://www.fws.gov/migratorybirds/RegulationsandPolicies.html>.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures see <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/BirdHazards.html>.

In addition to MBTA and BGEPA, Executive Order 13186: Responsibilities of Federal Agencies to Protect Migratory Birds, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit <http://www.fws.gov/migratorybirds/AboutUS.html>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project

planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Ohio Ecological Services Field Office

4625 Morse Road, Suite 104

Columbus, OH 43230-8355

(614) 416-8993

Project Summary

Consultation Code: 03E15000-2017-SLI-1625

Event Code: 03E15000-2017-E-01508

Project Name: Mt. Pleasant Water System improvements

Project Type: WATER SUPPLY / DELIVERY

Project Description: Replacement of existing waterline, hydrants, valves, meters, booster pumps and rehabilitation of existing well.

Project Location:

Approximate location of the project can be viewed in Google Maps:

<https://www.google.com/maps/place/40.179151331290555N80.7978590787827W>



Counties: Jefferson, OH

Endangered Species Act Species

There is a total of 2 threatened, endangered, or candidate species on this species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Note that 1 of these species should be considered only under certain conditions. See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

Mammals

| NAME | STATUS |
|---|------------|
| Indiana Bat <i>Myotis sodalis</i> There is a final critical habitat designated for this species. Your location is outside the designated critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5949 | Endangered |
| Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. This species only needs to be considered under the following conditions: <ul style="list-style-type: none"> ▪ Incidental take of the northern long-eared bat is not prohibited at this location. Federal action agencies may conclude consultation using the streamlined process described at https://www.fws.gov/midwest/endangered/mammals/nleb/s7.html Species profile: https://ecos.fws.gov/ecp/species/9045 | Threatened |

Critical habitats

There are no critical habitats within your project area under this office's jurisdiction.



WATER PUMPING STATION

WELL FIELD

STATE ROUTE 150

COUNTY ROUTE 7

STATE ROUTE 150



0' 200' 400'

GRAPHIC SCALE

LEGEND

● FIRE HYDRANT LOCATION

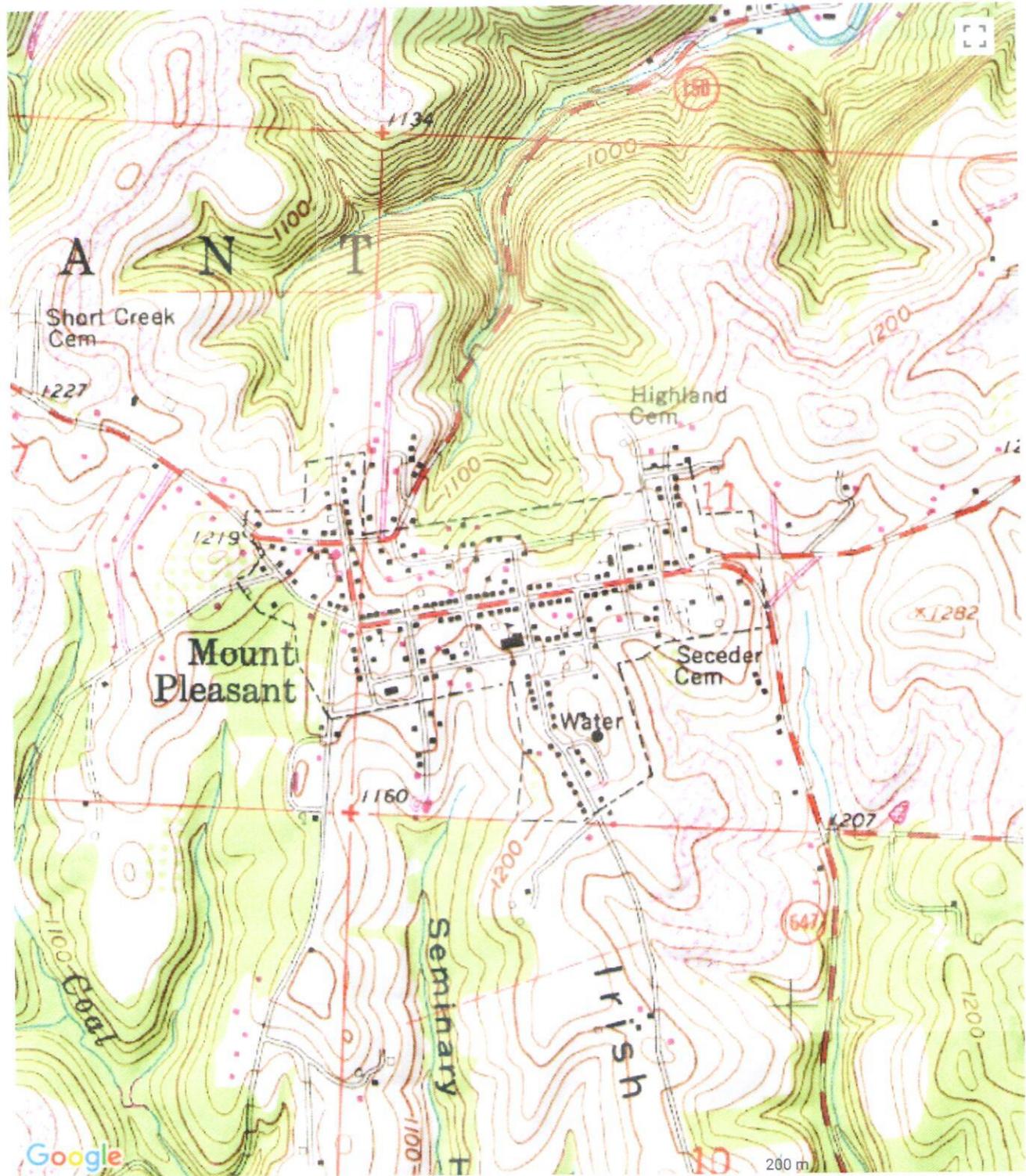
MATCH LINE TO DWG NO.1

MATCH LINE TO DWG NO.1

VILLAGE OF MOUNT PLEASANT
INDEX MAP NO.2

K:\MountPleasant\GIS\Projects\Water System Improvement\GIS_01\Map_MountPleasant_2017\000_SiteMap_Aug_16_2017_4.250.DWG.plt, p.3, 1/200

Village of Mount Pleasant Historic District Topo Map in Jefferson County Ohio



[Print this map](#)

Map provided by TopoZone.com

Village of Mt. Pleasant, Jefferson County, Ohio
Water System Improvement Project.

The Village of Mt. Pleasant plans to complete a water system improvement project which will consist of construction of approximately 22,395 lf of 4" to 6" waterline and service lines. The project will also consist of installation of new hydrants, valves, booster pumps, water storage tank improvements and rehabilitation of an existing well located at the Mt. Pleasant well field.

The waterline will be installed immediately parallel to the existing waterline within streets and alley rights of way throughout the Village of Mt. Pleasant. The existing waterline from the Village along SR 150 to the well field will also be replaced and will occur within the right of way of this roadway.

The existing wellfield is located in a flat area adjacent to Short Creek near the intersection of County Route 7 and SR 150, south of the Village of Mt. Pleasant. Work at this site will include rehabilitation of an existing well to bring the well back into service.

Tree removal is not anticipated. The existing well field is located in the floodplain of Short Creek. It is not anticipated that any adverse impacts will occur to the floodplain as the proposed project consists of rehabilitation of an existing well. No new construction will occur at this site. Disturbance will be minimal and temporary in nature. A review of wetland maps indicates the project will not impact wetland areas. No in-water work is anticipated. All areas of proposed construction activities have been previously disturbed by the existing water distribution system and other utilities. No farmland will be impacted by the proposed project elements.



1. Existing Well Field



2. From Well Field looking towards SR 150











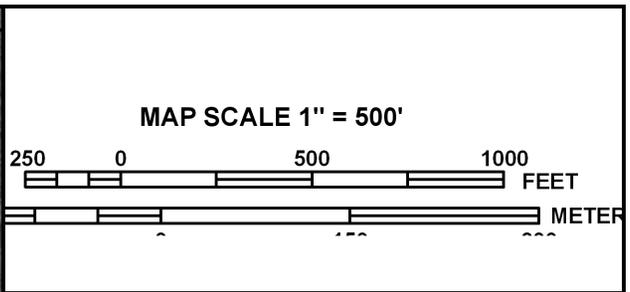
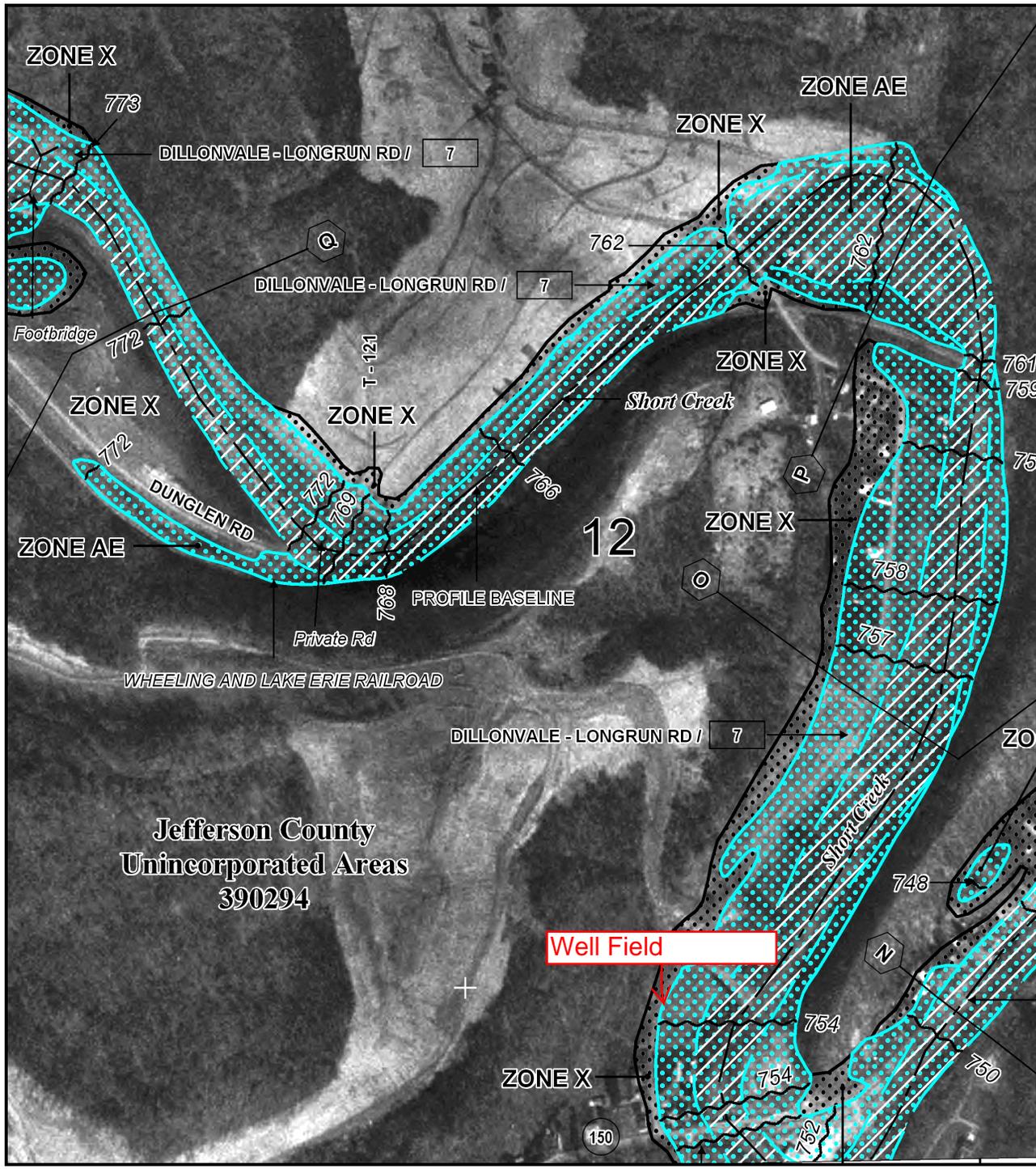


August 3, 2017

Wetlands

- | | | | | | |
|---|--------------------------------|---|-----------------------------------|---|----------|
|  | Estuarine and Marine Deepwater |  | Freshwater Emergent Wetland |  | Lake |
|  | Estuarine and Marine Wetland |  | Freshwater Forested/Shrub Wetland |  | Other |
| | |  | Freshwater Pond |  | Riverine |

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



NFIP
 NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0333D

FIRM
 FLOOD INSURANCE RATE MAP
 JEFFERSON COUNTY,
 OHIO
 AND INCORPORATED AREAS

PANEL 333 OF 375
 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

| COMMUNITY | NUMBER | PANEL | SUFFIX |
|------------------------|--------|-------|--------|
| DILLONVALE, VILLAGE OF | 390298 | 0333 | D |
| JEFFERSON COUNTY | 390294 | 0333 | D |

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.



MAP NUMBER
 39081C0333D
 EFFECTIVE DATE
 APRIL 5, 2006

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

OHIO HISTORIC PRESERVATION OFFICE



In reply refer to
2017-JEF-39647

August 15, 2017

Pam Ewing
Ohio RCAP
1817 St. Rt. 83, Unit 423
Millersburg, Ohio 44654

Dear Mr. Ewing:

RE: Mount Pleasant Water System Improvements, Mount Pleasant, Jefferson County,
Ohio

This is in response to correspondence, received on August 7, 2017, regarding the proposed water system improvements at the above location in Jefferson County, Ohio. My comments are made pursuant to Section 106 of the National Historic Preservation Act of 1966, as amended, and the associated regulations at 36 CFR Part 800.

Based on the information submitted, I concur with the opinion that the proposed action will not affect properties listed in or eligible for listing in the National Register of Historic Places. No further coordination with this office is necessary, unless the project changes or unless new or additional historic properties are discovered during implementation of this project. Should this happen, this office should be notified as required by 36 CFR 800.13.

Please be advised that this is a Section 106 decision. This review decision may not extend to other SHPO programs. If you have any questions, please contact me at (614) 298-2000, or by email at nyoung@ohiohistory.org

Sincerely,

A handwritten signature in black ink that reads "Nathan J. Young".

Nathan J. Young, Project Reviews Manager
Resource Protection and Review



*Pam Ewing – Ohio RCAP
1817 St. Rt. 83, Unit 423
Millersburg, OH 44654
Ph 330-674-9600
Cell: 419-651-0704
Fax: 330-674-4176
psewing@wsos.org*

August 1, 2017

Ohio History Connection
State Historic Preservation
ATTN: Mark Epstein
800 E. 17th Avenue
Columbus, OH 43211

RE: Village of Mt. Pleasant
Water System Improvement Project

Dear Mr. Epstein:

The Village of Mt. Pleasant, Jefferson County, is in the process of performing an environmental review pursuant to the National Environmental Policy Act for the U.S. Army Corps of Engineers in order that it may assess the environmental impacts of the construction water distribution system improvements. The project is being proposed to replace failing waterline, hydrants, valves, well rehabilitation and pump replacements.

Enclosed is a Section 106 Review-Project Summary Form with attached U.S. Geological map(s) that depict the proposal's area of potential effect for all construction activities and a description of the work involved.

The Village of Mt. Pleasant requests the assistance of your office in identifying historic properties that are listed or eligible for listing on the National Register of Historic Places and that may be affected by the project. Please provide any recommendations you may have to mitigate or avoid these impacts, to properties that may be affected.

We would appreciate a response within 30 days. If you need further information or wish to discuss the project please contact me at 330/674-9600 or psewing@wsos.org.

Sincerely,

PAM EWING
Sr. Rural Development Specialist
Rural Community Assistance Program (RCAP)

Enclosures



**OHIO HISTORIC PRESERVATION OFFICE:
RESOURCE PROTECTION & REVIEW
Section 106 Review- Project Summary Form**

SECTION I. GENERAL PROJECT INFORMATION

This information is: **NEW PROJECT SUBMITTAL**

- a. Project Name: **Mt. Pleasant Water System Improvements**
- b. Project Address or Vicinity: **Village of Mt. Pleasant**
- c. City/Township: **Mt. Pleasant** County: **Jefferson**
- d. Federal Agency and Contact Person: **Army Corps of Engineers
Christopher Denning
412-395-7253**
- e. Type of Federal Assistance. **Section 594**
- f. State Agency and Contact Person: **NA**
- g. Type of State Assistance: **NA**
- h. Is this project being submitted solely under ORC 149.53? **No**
- i. Consultant and/or Applicant Contact Person: **Pam Ewing
Ohio RCAP
330/674-9600**
- j. Consultant and/or Applicant Project Reference Number: **NA**
- k. Public Involvement- **Council Meeting discussions. Public meetings.**

I. Other consulting parties: **Vaughn, Coast and Vaughn (Engineer)**

SECTION II. PROJECT DESCRIPTION AND AREA OF POTENTIAL EFFECTS (APE)

Project Location

- a. USGS Quad Map Name: **Dillonvale Quad**
- b. Township/City/Village Name: **Village of Mt. Pleasant, Jefferson County**

DOES THIS PROJECT INVOLVE ANY GROUND-DISTURBING ACTIVITY? Yes

- c. General description of width, length and depth of proposed ground disturbing activity:

The proposed project will include the following construction activities: Installation of approximately 2,715 lf of 4" pvc waterline; 16,525 lf of 6" pvc waterline; 3,177 lf of service line; existing well rehabilitation; asphalt and concrete replacement; sidewalk replacement. Waterline will be installed parallel to existing waterline for ease of reconnection of existing service lines. Depth is anticipated to be approximately 4 feet or the depth of the existing line.

- d. Narrative description of previous land use and past ground disturbances, if known:

The proposed waterline will be located within streets and alley or within existing rights of way throughout the Village of Mt. Pleasant water service area. These areas have been previously disturbed by previous construction activities related to existing waterline, other utilities and roadways. The well rehabilitation will occur at the existing well field.

- e. Narrative description of current land use and conditions:

The existing land use is that of a typical small village. The majority of structures are housing related. The downtown area does contain a few small businesses. The village also contains a community park at the location of a former school which was razed many years ago. The Village of Mt. Pleasant contains an Historical District with structures dating back to the early 1800's. The majority of these structures are utilized as residential dwellings and churches.

- f. Does the landowner know of any archaeological resources found on the property?

An on-line search of OHPO records indicates no known archaeological sites within the immediate project area. No archaeological sites are known to the village officials.

- g. Provide a local map indicating the location of the project site: **Attached**

h. Provide a detailed written description of the project.

See Attached Project Description

i. Area of Potential Effect: **Map is attached (Exhibit A)**

j. Written description of the APE: **The area of potential effect will be the Village of Mt. Pleasant streets, alleys and immediate rights of way. Existing sidewalks and street asphalt will receive impacts and require replacement of the affected areas. All areas of construction have been previously disturbed by previous utilities and roadways.**

SECTION III. IDENTIFICATION OF HISTORIC PROPERTIES

a. Background Research- **An OHPO On-Line Records Search was conducted. Site visit was conducted. Photos obtained of project area.**

b. Field Survey- **See attached site photos of project area.**

c. Eligibility Evaluation- **NA**

d. Historic Properties Present in the APE: **Based on an on-line search of OHPO records and a site visit to the project area there is an Historic District in the “downtown” area of Mt. Pleasant. See attached photos of buildings over 50 years of age. The oldest buildings appear to be located within this Historical District and most are utilized as residential dwellings and churches.**

e. Reporting Options: **OHPO On-Line Records Search and Site Visit.**

SECTION IV. SUPPORTING DOCUMENTATION

a. Provide photos of the entire project site: **Attached**

b. Provide current photos of all buildings/structures/sites: **Attached**

c. Project plans, specifications, site drawings and any other media presentation that conveys detailed information about your project and its potential to affect historic properties. **Attached**

d. Copies or summaries of any comments provided by consulting parties or the public: **None**

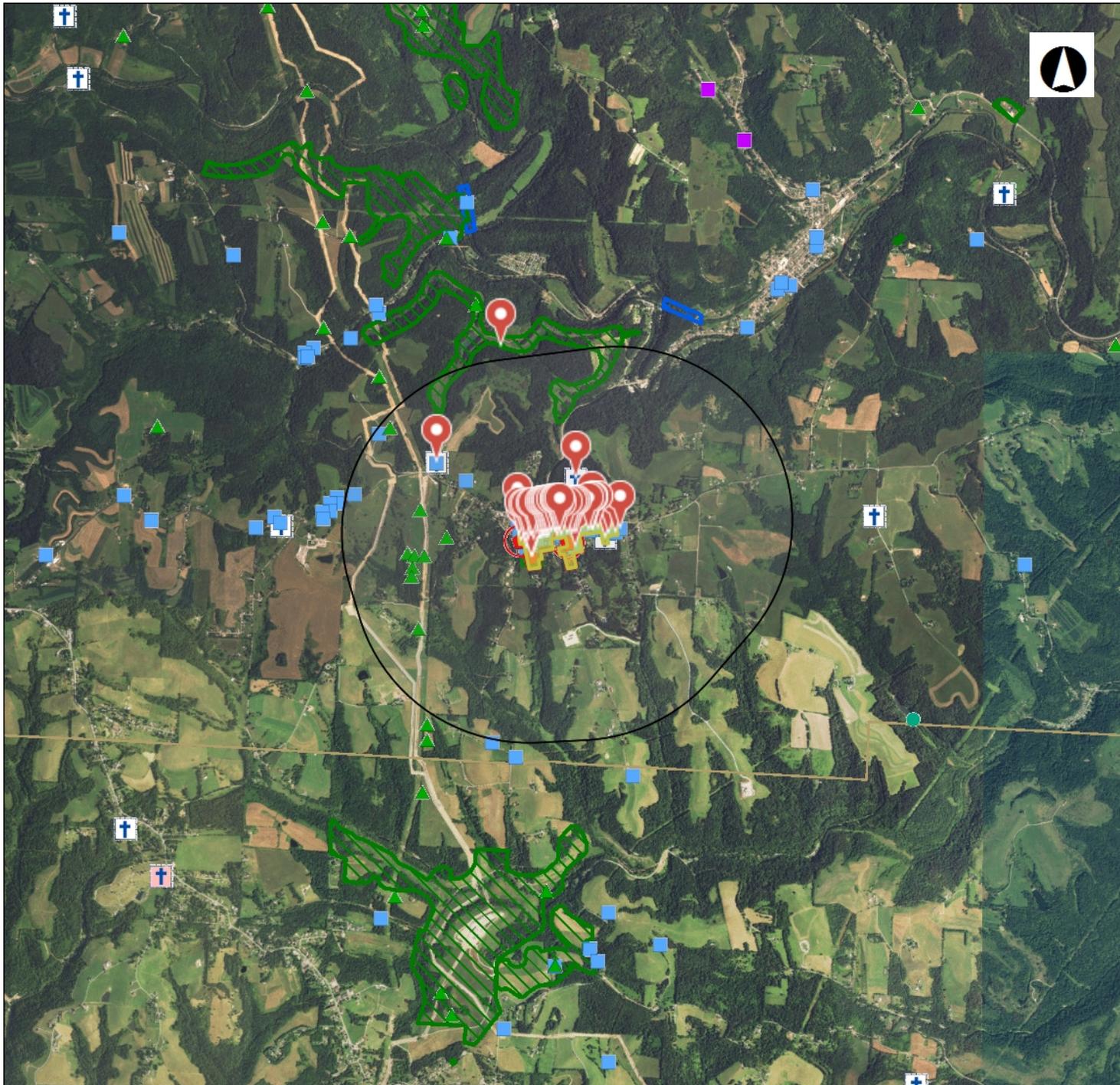
SECTION V. DETERMINATION OF EFFECT

No historic properties will be affected based on [36 CFR § 800.4(d)(1)].
Please explain how you made this determination:

A determination of “no historic properties will be affected” is based on the proposed project consisting of replacement of existing waterline, hydrants and valves throughout the Village. The existing lines were originally constructed in the late 1940 to early 1950s and are severely deteriorated resulting in no water pressure in the downtown area of the Village which contains the Historic District. Construction activities will occur within the streets and alley areas and will be located immediately parallel to the existing line for ease of reconnection of the service lines. All proposed construction sites have been severely disturbed by prior activities; mostly related existing utilities.

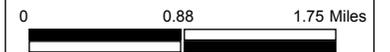
The existing well field is located between Mt. Pleasant and the Village of Dillonvale. This site contains one active well which supplies water to the Village of Mt. Pleasant and one well that is proposed to receive rehabilitation and repair to again provide a water source to the Village.

Our determination is that the proposed project will benefit the historic properties by adding fire protection which according to the Fire Chief is non-existent at this time due to the failing condition of the existing water distribution system.



Legend

- NR Listings**
- Listed
- National Historic Landmark
- ✕ Delisted
- NR Determinations of Eligibi
- ▲ Archaeological Sites
- Historic Structures
- Historic Bridges
- Historic Tax Credit Projects
- OGS Cemeteries**
- † Confident
- † Not Confident
- Dams
- UTM Zone Split
- ▭ NR Boundaries
- ▭ OAI Site Boundaries
- ▭ Phase1
- ▭ Phase2



1: 69,431

Copyright/Disclaimer

This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Datum: [Datum]
 Projection: WGS_1984_Web_Mercator_Auxiliary_Sphere



| geometry | OGSID | CEMETERY NA | CITY/TOWNSHIP | COUNTY | LOCATION DESCRIPTION | TOWNSHIP | SECTION | LOCATION OHI NUMB | BURIAL ST/ | BURIAL TYI | BURIAL CO |
|------------|-------|----------------|----------------|-----------|---|----------|--------------|-------------------|------------|------------|-----------|
| X: -899492 | 6045 | MOUNT PLEASANT | Mount Pleasant | Jefferson | In Mount Pleasant. On SR 647. Off SR 150 | T7:R3 | NW1/4 of S11 | | | | |
| X: -899399 | 6046 | SECEDER | Mount Pleasant | Jefferson | East edge of Mount Pleasant. 1 block south of | T7:R3 | SW1/4 of S11 | | | | |
| X: -899602 | 6047 | SHORT CREEK | Mount Pleasant | Jefferson | West of Mount Pleasant. SR 150 | T7:R3 | SE1/4 of S29 | | | | |
| X: -899435 | 6043 | HIGHLAND MI | Mount Pleasant | Jefferson | In Mount Pleasant. On SR 647 | T7:R3 | NW1/4 of S11 | | | | |

| ESTABLISH | FIRST BURI | LAST BURI | SIZE | NUMBER C | NUMBER C | COMMENT | UTM ZONE | UTM EAST | UTM NORTH | Location | Confidence |
|-----------|------------|-----------|------|----------|----------|---------|----------|----------|-----------|----------|------------|
| | | | | 17 | 516772 | 4446928 | No | | | | |
| | | | | 17 | 517484 | 4446986 | Yes | | | | |
| | | | | 17 | 515931 | 4447671 | Yes | | | | |
| | | | | 17 | 517213 | 4447522 | Yes | | | | |

| geometry | NADB | LOG | OHPOID | ACRES | AREAS | COUNTY | PHASE | ADDREF | TITLE | AUTHOR1 |
|-----------------|------|--------|--------|---------|-------|--------|-------|--------|---|--------------|
| Geocortex.12300 | | 881748 | | 159.19 | 1 | JE | 1 | 00000 | PHASE I AND II CULTURAL RESOURCE SURVEY FOR C.L.A. COAL COMPANY MINING TR | Corso, Rob |
| Geocortex.16994 | | | | 6.38328 | 1 | JE | 1 | | Archaeological Fieldwork at The Quaker Meeting House State Memorial (33JE134) | M Pickard, W |
| Geocortex.17055 | | | | 1.24656 | 1 | JE | 1 | | Archaeological Fieldwork at The Quaker Meeting House State Memorial (33 JE 134) | M Pickard, W |

AUTHOR2 SENTFROM DRAWERS YEARS

Flora Chur ASC Group Jefferson 1988

Linda L. Pa OHS (Ohio Jefferson 2006

Linda L. Pa OHS (Ohio Jefferson 2006

| geometry | OHI NUMB | UTM ZONE | UTM EAST | UTM NORTH | PRESENT NAME | OTHER NAME | ADDRESS | PLACE NAME | ARCHITECT | ARCHITECT | HISTORIC USE 1 | HISTORIC U | ACTIVITY 1 |
|------------|-----------|----------|----------|-----------|-------------------------------|--------------------|-------------------------------|------------------|------------|------------|----------------------------|-------------|-------------|
| X: -899415 | JEF006301 | 17 | 517361 | 4447153 | Mt Pleasant United Meth | | Far N End of High St | Mount Pleasant (| Greek Revi | Element Pr | Church/Religio | | Original Co |
| X: -899494 | JEF006311 | 17 | 516761 | 4446887 | Smith Rev House | Flanner House | Market St | Mount Pleasant (| Vernacular | | Single Dwelling | | Original Co |
| X: -899488 | JEF006321 | 17 | 516804 | 4446812 | Quaker Meeting House | Friends Meeting | NEC Market & Uniting St | Mount Pleasant | Federal | Element | Church/Religio | | Original/M |
| X: -899505 | JEF006331 | 17 | 516676 | 4447139 | Kiaski John A Gulf Station | | SWC 3rd & Mulberry St | Mount Pleasant (| Vernacular | | Road/Vehicle R Service Sta | | Original Co |
| X: -899435 | JEF006341 | 17 | 517208 | 4446901 | Davis House | Lawrence House | 108 South St | Mount Pleasant (| Federal | Element Pr | Single Dwelling | | Original Co |
| X: -899395 | JEF006351 | 17 | 517514 | 4447022 | Sunnyside Aspenhall Jam House | Terrell Mz | SR 647 | Mount Pleasant (| Greek Revi | Element Pr | Single Dwelling | | Original Co |
| X: -899387 | JEF006361 | 17 | 517578 | 4447031 | Thompson Donald House | Binns Jonathan F | SR | Mount Pleasant (| Greek Revi | Dominant | Single Dwelling | | Original Co |
| X: -899381 | JEF006371 | 17 | 517622 | 4447068 | Sawchuck Phillip & Sherr | Mapleview | SR 7 | Mount Pleasant (| Queen Anr | Dominant | Single Dwelling | | Original Co |
| X: -899408 | JEF006381 | 17 | 517417 | 4447067 | Fleming Robert House | Brown J House | S side of Union St | Mount Pleasant (| Vernacular | | Single Dwelling | | Original Co |
| X: -899414 | JEF006391 | 17 | 517371 | 4447061 | House | White G House | S side of Union St | Mount Pleasant (| Vernacular | | Single Dwelling | | Original Co |
| X: -899415 | JEF006401 | 17 | 517368 | 4447059 | Fraizer House | Duff I House | S side of Union St | Mount Pleasant (| Federal | Element Pr | Single Dwelling | | Original Co |
| X: -899415 | JEF006411 | 17 | 517363 | 4447058 | House | Frazier House | SEC Union St & High St | Mount Pleasant (| Vernacular | | Single Dwelling | Departmer | Original Co |
| X: -899419 | JEF006421 | 17 | 517331 | 4447052 | Gerke Robert House | Evans Thomas H | SWC High St & Union St | Mount Pleasant (| Vernacular | | Single Dwelling | | Original Co |
| X: -899434 | JEF006431 | 17 | 517220 | 4447028 | Post Roger House | Harness Sr | House SWC on Uniting St & Uni | Mount Pleasant (| Greek Revi | Dominant | Single Dwelling | Monastery | Original Co |
| X: -899436 | JEF006441 | 17 | 517200 | 4447025 | Connelly House | Brown G House | Southside of Union St | Mount Pleasant (| Vernacular | | Single Dwelling | | Original Co |
| X: -899439 | JEF006451 | 17 | 517179 | 4447022 | Post Roger House | Ayers Wm House | S side of Union St | Mount Pleasant (| Greek Revi | High Style | Single Dwelling | | Original Co |
| X: -899445 | JEF006461 | 17 | 517136 | 4447016 | Teater House | Scott Benjamin F | SEC E St & Union St | Mount Pleasant (| Greek Revi | Element Pr | Single Dwelling | | Original Co |
| X: -899452 | JEF006471 | 17 | 517080 | 4447005 | Museum Tin Shop | Taylor Building | S side of Union St | Mount Pleasant (| Greek Revi | Element Pr | Retail Store/Sh | Departmer | Original Co |
| X: -899457 | JEF006481 | 17 | 517041 | 4447000 | Sterling Electric | Old IOOF Hall | No Union St | Mount Pleasant (| Greek Revi | Element Pr | COMMERCIAL | Fraternal/F | Original Co |
| X: -899468 | JEF006491 | 17 | 516962 | 4446989 | Mt Pleasent Historical | Society Mark Bla | SWC Union St & Concorc | Mount Pleasant (| Vernacular | | COMMERCIAL | TRANSPOR | Original Co |
| X: -899470 | JEF006501 | 17 | 516945 | 4446985 | Smith Mark House | Johnson Joseph I | S side of Union St | Mount Pleasant (| Vernacular | | Single Dwelling | | Original Co |
| X: -899473 | JEF006511 | 17 | 516921 | 4446982 | Murray Charles House | Hoge House | Union St | Mount Pleasant (| Vernacular | | Single Dwelling | | Original Co |
| X: -899476 | JEF006521 | 17 | 516895 | 4446979 | Warren Tim Residence | Finley Dr Ernest I | S side of Union St | Mount Pleasant (| Queen Anr | Dominant | Single Dwelling | | Original Co |
| X: -899478 | JEF006531 | 17 | 516884 | 4446975 | Zeyers House | Brown Isaac Hou | S side of Union St | Mount Pleasant (| Italianate | Dominant | Single Dwelling | | Original Co |
| X: -899486 | JEF006541 | 17 | 516825 | 4446962 | Buckmans WE House | Gill John House | Corner of Union St & We | Mount Pleasant (| Greek Revi | Dominant | Residential Dor | Single Dwe | Original Co |
| X: -899492 | JEF006551 | 17 | 516775 | 4446956 | Mt Pleasant Evangelical | Friend Church | Union St | Mount Pleasant (| Gothic Rev | Dominant | TRANSPORTATI | Church/Re | Original Co |
| X: -899495 | JEF006561 | 17 | 516752 | 4446941 | Worrell House | Gill Samuel Hous | SEC Union St & 3rd MktS | Mount Pleasant (| Greek Revi | Dominant | Single Dwelling | | Original Co |
| X: -899501 | JEF006571 | 17 | 516709 | 4446948 | Warren Marten House | Free Labor Store | SWC Union St & 3rd Mar | Mount Pleasant (| Federal | Element Pr | Single Dwelling | Office | Original Co |
| X: -899503 | JEF006581 | 17 | 516695 | 4447010 | Bone Store-Museum | Harris Enoch Sto | NWC Union & Market | Mount Pleasant (| Vernacular | | Retail Store/Sh | Departmer | Original Co |
| X: -899497 | JEF006591 | 17 | 516734 | 4446991 | Preston House | Smith GW House | NEC Market St & Union S | Mount Pleasant (| Italianate | Element Pr | Single Dwelling | | Original Co |
| X: -899495 | JEF006601 | 17 | 516753 | 4446993 | Freese House | French Israel Ho | Union St | Mount Pleasant (| Vernacular | | Single Dwelling | | Original Co |
| X: -899489 | JEF006611 | 17 | 516802 | 4447003 | Coleman Wilbur House | Lewis Jane Ann F | N side of Union St | Mount Pleasant (| Vernacular | | Single Dwelling | | Original Co |
| X: -899486 | JEF006621 | 17 | 516818 | 4447005 | Coleman Earl House | Stanton House | NWC W & Union St | Mount Pleasant (| Vernacular | | Single Dwelling | | Original Co |

| | | | | | | | | | |
|----------------------|----|--------|---------------------------------|--|-----------------------------|------------|------------------|-------------|-------------|
| X: -899478 JEF006631 | 17 | 516886 | 4447017 Loper House | Bracken; Mitchell Union St | Mount Pleasant (Federal | Element Pr | Single Dwelling | COMMERC | Original Co |
| X: -899475 JEF006641 | 17 | 516905 | 4447021 Thompson Jr Paul House | Mercer JH House Union St | Mount Pleasant (Greek Revi | Element Pr | Single Dwelling | | Original Co |
| X: -899473 JEF006651 | 17 | 516922 | 4447022 Crane Paul House | Gill James H Hou Union St | Mount Pleasant (Vernacular | | Single Dwelling | | Original Co |
| X: -899470 JEF006661 | 17 | 516940 | 4447026 Thomas House | Updegraff House Union St | Mount Pleasant (Italianate | Dominant | Single Dwelling | Departmer | Original Co |
| X: -899468 JEF006671 | 17 | 516956 | 4447028 Humpherville William Ho | Reid William Ho NWC Union St & Concor | Mount Pleasant (Greek Revi | Dominant | Single Dwelling | COMMERC | Original Co |
| X: -899464 JEF006681 | 17 | 516990 | 4447038 Tanner Lloyd House | Reid Wm House- NEC Concord St & Union | Mount Pleasant (Greek Revi | Element Pr | Single Dwelling | COMMERC | Original Co |
| X: -899460 JEF006691 | 17 | 517023 | 4447041 Burriss Store Museum | Union St | Mount Pleasant (Vernacular | | COMMERCIAL | Retail Stor | Original Co |
| X: -899459 JEF006701 | 17 | 517028 | 4447041 Falowski Douglas House | Burriss Lodwicks Union St | Mount Pleasant (Italianate | Element Pr | Single Dwelling | | Original Co |
| X: -899457 JEF006711 | 17 | 517044 | 4447043 Ensurco Associates Inc | Fogel C House Union St | Mount Pleasant (Federal | High Style | Single Dwelling | FOOD PRO | Original Co |
| X: -899454 JEF006721 | 17 | 517065 | 4447046 Skews Betty House | Price W House Jc N side of Union St | Mount Pleasant (Federal | High Style | Single Dwelling | | Original Co |
| X: -899453 JEF006731 | 17 | 517077 | 4447048 Battles Robert House | Binns Johnathin I Union St, W of East St | Mount Pleasant (Federal | Element Pr | Single Dwelling | Medical Bu | Original Co |
| X: -899451 JEF006741 | 17 | 517088 | 4447052 Caraway Albert House | First National Ba NWC Union St & East St | Mount Pleasant (Federal | Element Pr | Financial Instit | | Original Co |
| X: -899436 JEF006751 | 17 | 517201 | 4447069 Curriti John House | Whithrow SA Ho Union St | Mount Pleasant (Federal | Element Pr | Single Dwelling | | Original Co |
| X: -899435 JEF006761 | 17 | 517212 | 4447071 Perko House | Jenkins House Union St | Mount Pleasant (Federal | Element Pr | Single Dwelling | | Original Co |
| X: -899434 JEF006771 | 17 | 517222 | 4447073 Bonomo Alessio House | Terrell T House NWC Uniting St & Union | Mount Pleasant (Federal | Element Pr | Single Dwelling | | Original Co |
| X: -899431 JEF006781 | 17 | 517245 | 4447082 Losey House | Hope Sarah Hou: NEC Union St & Uniting S | Mount Pleasant (Vernacular | | Single Dwelling | | Original Co |
| X: -899429 JEF006791 | 17 | 517255 | 4447083 Burkhead EB House | Alexander House Union St | Mount Pleasant (Federal | Element Pr | Single Dwelling | | Original Co |
| X: -899428 JEF006801 | 17 | 517265 | 4447084 Lollini House | Mitchel JF House Union St | Mount Pleasant Federal | Element Pr | Single Dwelling | EDUCATIO | Original Co |
| X: -899422 JEF006811 | 17 | 517312 | 4447089 Terry Vern House | Whithrow AE Ho Union St | Mount Pleasant (Vernacular | | Single Dwelling | | Original Co |
| X: -899411 JEF006821 | 17 | 517392 | 4447104 Aspenwall House | Alexander M Ho Union St | Mount Pleasant (Vernacular | | Single Dwelling | | Original Co |
| X: -899408 JEF006831 | 17 | 517414 | 4447105 Bundy Brian House | Wilson W House Union St | Mount Pleasant (Vernacular | | Single Dwelling | | Original Co |
| X: -899602 JEF009661 | 17 | 515929 | 4447665 Short Creek Cemetery | NWC SR 150 & TR 107A | Mount Pleasant (| None | Cemetery | | Period of s |
| X: -899672 JEF009791 | 17 | 515394 | 4447934 Dundr House | CR 6, 1/4mi N of jct w/ S | Mount Pleasant (Craftsman, | Element | Single Dwelling | | Original/M |
| X: -899481 JEF000541 | 17 | 516861 | 4446972 House | Updegraff David Union St | Mount Pleasant (Greek Revi | Element Pr | Single Dwelling | | Original Co |
| X: -899567 JEF006211 | 17 | 516201 | 4447503 Hussey Asahel Farm | Hussy Penrose F: SR 150 | Mount Pleasant Greek Revi | Element Pr | Single Dwelling | | Original Co |
| X: -899701 JEF006221 | 17 | 515176 | 4447375 House | SR 150 | Mount Pleasant (Vernacular | | Single Dwelling | | Original Co |

| DATE 1 | COUNTY |
|--------|-----------|
| 1868 | Jefferson |
| 1831 | Jefferson |
| 1814 | Jefferson |
| 1930 | Jefferson |
| 1840 | Jefferson |
| 1850 | Jefferson |
| 1859 | Jefferson |
| 1880 | Jefferson |
| 1830 | Jefferson |
| 1835 | Jefferson |
| 1835 | Jefferson |
| 1870 | Jefferson |
| 1900 | Jefferson |
| 1850 | Jefferson |
| 1871 | Jefferson |
| 1837 | Jefferson |
| 1849 | Jefferson |
| 1840 | Jefferson |
| 1854 | Jefferson |
| 1856 | Jefferson |
| 1856 | Jefferson |
| 1871 | Jefferson |
| 1889 | Jefferson |
| 1858 | Jefferson |
| 1836 | Jefferson |
| 1886 | Jefferson |
| 1845 | Jefferson |
| 1813 | Jefferson |
| 1804 | Jefferson |
| 1856 | Jefferson |
| 1848 | Jefferson |
| 1840 | Jefferson |
| 1840 | Jefferson |

| | |
|-------------|-----------|
| 1840 | Jefferson |
| 1850 | Jefferson |
| 1871 | Jefferson |
| 1870 | Jefferson |
| 1840 | Jefferson |
| 1850 | Jefferson |
| 1895 | Jefferson |
| 1874 | Jefferson |
| 1815 | Jefferson |
| 1813 | Jefferson |
| 1820 | Jefferson |
| 1816 | Jefferson |
| 1815 | Jefferson |
| 1815 | Jefferson |
| 1814 | Jefferson |
| 1887 | Jefferson |
| 1814 | Jefferson |
| 1814 | Jefferson |
| 1850 | Jefferson |
| 1850 | Jefferson |
| 1850 | Jefferson |
| ca. 1807-pi | Jefferson |
| ca. 1920 | Jefferson |
| 1845 | Jefferson |
| 1850 | Jefferson |
| 1865 | Jefferson |

| BURIAL | PETROGLY | TYPE UNKN | TYPE OTH | COUNTY | SITE AREA | SETTING |
|--------|----------|-----------|----------|-----------|-----------|-----------|
| No | No | No | | Jefferson | 4889 | Open Site |
| NO | NO | YES | | Jefferson | 1 | Open |
| NO | NO | NO | | Jefferson | 120 | Open |
| NO | NO | NO | | Jefferson | 1 | Open |
| NO | NO | YES | | Jefferson | 563 | Open |
| NO | NO | NO | | Jefferson | 1 | Open |
| NO | NO | NO | | Jefferson | 1 | Open |
| NO | NO | YES | | Jefferson | 225 | Open |
| NO | NO | YES | | Jefferson | 45 | Open |
| NO | NO | NO | | Jefferson | 1 | Open |

| geometry | DISTRICT NAME | NUMBER | C PLACENAM | COUNTY | REFERENCE NUMBER |
|-----------|----------------------------------|--------|------------|-----------|------------------|
| Geocortex | Mount Pleasant Historic District | 13 | Mount Ple | Jefferson | 74001536 |

| geometry | OBJECTID | REFERENC | COUNTY | CITY | ZIPCODE | RESOURCE NAME | ADDRESS | UTM ZONE | UTM EAST | UTM NORT |
|------------|----------|----------|-----------|-------------|---------|----------------------------------|--|----------|----------|----------|
| X: -899489 | 1360 | 70000504 | Jefferson | Mt Pleasant | 43917 | Friends Meeting House | Near SR 150 | 17 | 516800 | 4446820 |
| X: -899444 | 1727 | 74001536 | Jefferson | Mt Pleasant | 43917 | Mount Pleasant Historic District | Roughly bounded by 3rd, North, High, & South Sts | 17 | 517140 | 4446939 |
| X: -899502 | 1728 | 74001537 | Jefferson | Mt Pleasant | 43917 | Lundy, Benjamin, House | Union & 3rd Sts | 17 | 516697 | 4446958 |

| | | | | | | | | |
|-------------|--------|-------------|------------|------------|------------|------------------|----------|------|
| CERTIFICATE | Shape | APPLICABLE | APPLICABLE | APPLICABLE | APPLICABLE | FUNCTION | FUNCTION | REST |
| LI | Event | Architectur | | | | RELIGION | | |
| NL | Event | Architectur | | | | DOMESTIC COMMERC | | |
| NL | Person | | | | | DOMESTIC | | |

U.S. ARMY CORPS OF ENGINEERS



DEPARTMENT OF THE ARMY
PITTSBURGH DISTRICT, CORPS OF ENGINEERS
WILLIAM S. MOORHEAD FEDERAL BUILDING
1000 LIBERTY AVENUE
PITTSBURGH, PA 15222-4186

August 24, 2017

REPLY TO

Operations Division
Regulatory Branch
2017-1111

Pam Ewing-Ohio RCAP
1817 St. Rt. 83, Unit 423
Millersburg, OH 44654

Dear Ms. Ewing:

I refer to your Pre-construction application, received in this office August 7, 2017, regarding your proposal to improve the water system near Short Creek in the Village of Mt. Pleasant in Jefferson County, Ohio.

According to your application the proposed work is in an existing road Road Right of Way and no aquatic resources will impacted. A Department of the Army Permit is not required for this activity.

You may begin the work after you have received any required State and local permits.

If you have any questions, please contact Matthew Pook at 412-395-7141 or matthew.pook@usace.army.mil. Please complete our customer survey online and provide us with feedback at http://corpsmapu.usace.army.mil/cm_apex/f?p=136:4:0.

Sincerely,

A handwritten signature in blue ink that reads "Nancy Mullen".

Nancy Mullen
Northern Section Chief, Regulatory Branch

Copy furnished:

OEPA

Jefferson County Soil and Water Conservation



*Pam Ewing – Ohio RCAP
1817 St. Rt. 83, Unit 423
Millersburg, OH 44654
Ph 330-674-9600
Cell: 419-651-0704
Fax: 330-674-4176
psewing@wsos.org*

August 3, 2017

U.S. Army Corps of Engineers
Pittsburgh District Office
Wm. S. Moorhead Federal Bldg
1000 Liberty Avenue, 22nd Floor
Pittsburgh, PA 15222-4186

RE: Village of Mt. Pleasant, Jefferson County, Ohio
Water System Improvement Project

Dear Reviewer:

The Village of Mt. Pleasant is in the process of performing an environmental review pursuant to the National Environmental Policy Act in order that it may assess the environmental impacts of the construction of water distribution system improvements.

For the location of project elements, see the attached project maps. Also attached is a project description and site photos.

Please examine this proposal and comment on any potential adverse effects to wetlands and/or the need for a Nationwide Permit that may occur in the project area. Please provide any recommendation you have to mitigate or avoid these impacts.

We would appreciate a response with 30 days. If you need further information or wish to discuss the project, please contact me at 330/674-9600 or by e-mail at psewing@wsos.org.

Sincerely,

PAM EWING
Sr. Rural Development Specialist
Rural Community Assistance Program (RCAP)

Village of Mt. Pleasant, Jefferson County, Ohio
Water System Improvement Project.

The Village of Mt. Pleasant plans to complete a water system improvement project which will consist of construction of approximately 22,395 lf of 4" to 6" waterline and service lines. The project will also consist of installation of new hydrants, valves, booster pumps, water storage tank improvements and rehabilitation of an existing well located at the Mt. Pleasant well field.

The waterline will be installed immediately parallel to the existing waterline within streets and alley rights of way throughout the Village of Mt. Pleasant. The existing waterline from the Village along SR 150 to the well field will also be replaced and will occur within the right of way of this roadway.

The existing wellfield is located in a flat area adjacent to Short Creek near the intersection of County Route 7 and SR 150, south of the Village of Mt. Pleasant. Work at this site will include rehabilitation of an existing well to bring the well back into service.

Tree removal is not anticipated. The existing well field is located in the floodplain of Short Creek. It is not anticipated that any adverse impacts will occur to the floodplain as the proposed project consists of rehabilitation of an existing well. No new construction will occur at this site. Disturbance will be minimal and temporary in nature. A review of wetland maps indicates the project will not impact wetland areas. No in-water work is anticipated. All areas of proposed construction activities have been previously disturbed by the existing water distribution system and other utilities. No farmland will be impacted by the proposed project elements.



August 3, 2017

Wetlands

- | | | | | | |
|---|--------------------------------|---|-----------------------------------|---|----------|
|  | Estuarine and Marine Deepwater |  | Freshwater Emergent Wetland |  | Lake |
|  | Estuarine and Marine Wetland |  | Freshwater Forested/Shrub Wetland |  | Other |
| | |  | Freshwater Pond |  | Riverine |

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

LIMITED PHASE I HTRW

**LIMITED PHASE I
HAZARDOUS, TOXIC AND
RADIOLOGIC WASTE
INVESTIGATION REPORT**

FOR THE:
**MOUNT PLEASANT CORRIDOR PROJECT
JEFFERSON COUNTY, OHIO
PWS ID #4101712**

PREPARED FOR:
**VILLAGE OF MOUNT PLEASANT, OHIO
154 CONCORD STREET
MOUNT PLEASANT, OHIO 43939**

PREPARED BY:
**HULL & ASSOCIATES, INC.
6397 EMERALD PARKWAY, SUITE 200
DUBLIN, OHIO 43016**

SEPTEMBER 2017

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SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312 and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Project Corridor. I have developed and performed this environmental site assessment screening in conformance with the standards and practices set forth in 40 CFR Part 312.

Reviewed by:



Douglas G. Stuart, CHMM
Senior Project Manager

Date:

Prepared by:

Nick Kasper
Hydrogeologist II

Jaclyn T. Haynal, WPIT, AWB®
Scientist II

EXECUTIVE SUMMARY

This report presents the findings of the Phase I Hazardous, Toxic, and Radiologic Waste (HTRW) Survey performed by Hull & Associates, Inc. (Hull) for the Mount Pleasant Corridor in Mount Pleasant, Jefferson County, Ohio (Project Corridor). The Mount Pleasant Public Water System (PWS) ID number assigned to the overall project is 4101712. This report is a summary of the available environmental information that was reviewed pertaining to the planned construction of the Project Corridor in general conformance with ASTM E 1527 and E 1528 Standards. Furthermore, the summary has been performed in accordance with the Hull Scope of Work (Appendix A) dated August 8th, 2017 to Mr. Tony Panepucci representing the Village of Mount Pleasant, Ohio (Hull document #VPL001.300.0001) and the subsequent authorization to proceed.

The purpose of the Limited Phase I Hazardous, Toxic and Radiologic Waste Investigation is to identify the potential presence of recognized environmental concerns, including hazardous, toxic, radiologic and/or petroleum materials that could cause revisions to the anticipated design or necessitate protective measures for the construction scope of work, the proposed project development schedule, the estimated project budget, or the potential “significant” impacts of the project on the surrounding area.

In performing this assessment, Hull reviewed federal, state and local lists of state hazardous sites; underground storage tanks (USTs); hazardous waste management facilities; and environmental releases of hazardous substances and petroleum. Hull also examined available regulatory records and a regulatory database report generated by Environmental Data Resources, Inc. (EDR).

Hull has performed this Phase I ESA in general accordance with portions of the scope and limitations of ASTM Practice E 1527 and 1528. Any exceptions to, or deletions from, this practice are described in Section 10 of this report. This assessment has revealed no evidence of contamination in soil, soil vapor, or groundwater and no recognized environmental conditions (RECs) in connection with the Site. However, based on the limited nature of this investigation (e.g., lack of access to properties and communication with property owners), properties adjacent to the Project Corridor may warrant additional investigation as described in the Findings, Opinions and Conclusions Section 6.0.

This report was prepared solely for the use of the Village of Mount Pleasant, Ohio and the U.S. Army Corps of Engineers (USACE) for the specific purposes mentioned above. No other warranties, either expressed or implied, are made as to the professional advice included in this report.

1.0 INTRODUCTION

1.1 General

The Village of Mount Pleasant, Ohio (Client) authorized Hull & Associates, Inc. (Hull) to proceed with preparation of a Limited Phase I Hazardous, Toxic, and Radiologic Waste (HTRW) Investigation for the Mount Pleasant Corridor located in Mount Pleasant, Jefferson County, Ohio (Project Corridor). This HTRW Survey addresses the potential for hazardous, toxic or radiologic materials to be present along the Project Corridor and whether or not additional investigation may be necessary.

The Project Corridor extends approximately 16,000 linear feet along the public rights-of-way. The Project Corridor starts north of the S.R. 150 and Dillonvale-Longrun Rd. intersection, and heads south throughout the Village of Mount Pleasant's streets before terminating on the south end of the Village, north of the S.R. 647 and Zeyer Rd. intersection as presented in Figure 1. Photographs taken during the Site reconnaissance of the Project Corridor are included in Appendix B.

The project was executed under Hull project number VPL001, and was conducted by Hull during the period from August and September 2017. This assessment was conducted in general conformance with ASTM E 1527 & 1528 and USACE Limited Phase I HTRW Standards. All figures and appendices referenced in this report are included at the end of the text.

1.2 Previous Environmental Assessments

The Village of Mount Pleasant, Ohio did not provide Hull with any prior assessments.

2.0 HISTORICAL REVIEW/MAPPING

2.1 General

Historical land use information for the Project Corridor was obtained by reviewing such historical records as topographic maps, aerial photographs, and Sanborn maps.

2.2 Topographic Maps

Hull reviewed topographic maps in approximately five-year intervals for the years 1905, 1960, 1972, 1978, 1984 and 2013. A summary of the map review is included below. Copies of the maps are provided in Appendix C.

| SUMMARY OF TOPOGRAPHIC MAPS REVIEWED | |
|---|---|
| Date (Scale) | Description |
| 1905 (1" =2,200') | <p>Site: The Project Corridor appears to be similar to present day conditions; the roads located within the current Project Corridor are present throughout the Village of Mount Pleasant.</p> <p>Adjacent properties: Mostly vacant property; increased development is located northeast of the Site in Dillonvale, adjacent to Short Creek.</p> |
| 1960 (1" =2,200') | <p>Site: A water tower has been installed adjacent to the southern portion of the Project Corridor.</p> <p>Adjacent properties: Several strip mining areas have been established north of the Project Corridor and west of Dillonvale.</p> |
| 1972 (1" =2,200') | <p>Site: No apparent changes to the Project Corridor from the 1960 map.</p> <p>Adjacent properties: Additional strip mining activities have expanded to the west and south of Mount Pleasant.</p> |
| 1978 (1" =2,200') | <p>Site: No apparent changes to the Project Corridor from the 1972 map.</p> <p>Adjacent properties: Additional strip mining activities have expanded to the east of Mount Pleasant.</p> |
| 1984 (1" =2,200') | <p>Site: No apparent changes to the Project Corridor from the 1978 map.</p> <p>Adjacent properties: No apparent changes to the adjacent properties from the 1978 map.</p> |
| 2013 (1" =2,200') | <p>Site: The map does not depict buildings or structures; no apparent changes from the 1984 map.</p> <p>Adjacent properties: The map does not depict buildings or structures; no apparent changes from the 1984 map.</p> |

2.3 County and/or City Road Maps

Major city interstates and roads can be seen on Figure 1.

2.4 Aerial Photograph Interpretation

Hull obtained aerial photographs from Environmental Data Resources (EDR) to aid in identifying past use of the Site and adjacent properties. Photographs were reviewed in approximately five-year intervals for the years 1958, 1972, 1976, 1982, 1989, 1994, 2004, 2009, 2011 and 2013. Copies of aerial photographs are provided in Appendix D.

| SUMMARY OF AERIAL PHOTOGRAPHS REVIEWED | |
|---|--|
| Date (Scale) | Description |
| 1958 (1" =1,000') | Site: The Project Corridor appears to lie on the same major roads S.R. 647 and S.R. 150. Additionally, all of the side streets appear to be in place other than the northern portion of Oak Dr. and Maple St. Adjacent properties: Residential and small commercial development appears to be centered around Mount Pleasant. Adjacent properties around the village appear to be used for agricultural purposes. |
| 1972 (1" =1,000') | Site: No apparent changes to the Project Corridor from the 1958 image. Adjacent properties: A large excavation pit holding water is located southeast of the Project Corridor, east of East St. and west of S.R.647. |
| 1976 (1" =1,000') | Site: Construction on Oak Dr. has extended the street to the north. Adjacent properties: Strip mining activities are visible southeast of the Project Corridor. The large excavation seen in the 1972 image has been backfilled. |
| 1982 (1" =1,000') | Site: Oak Dr. and Maple St. have been constructed to the current day street orientation. Adjacent properties: Strip mining activities are visible northeast of the Project Corridor. |
| 1989 (1" =1,000') | Site: Poor image resolution; no apparent changes from the 1982 image. Adjacent properties: Poor image resolution; no apparent changes from the 1982 image. |
| 1994 (1" =1,000') | Site: No apparent changes to the Project Corridor from the 1989 image. Adjacent properties: Strip mining activities are visible north and northwest of the Project Corridor. |
| 2004 (1" =1,000') | Site and adjacent properties: No apparent changes to the Project Corridor from the 2000 image. |
| 2009 (1" =1,000') | Site and adjacent properties: No apparent changes to the Project Corridor from the 2004 image. |
| 2011 (1" =1,000') | Site and adjacent properties: No apparent changes to the Project Corridor from the 2009 image. |
| 2013 (1" =1,000') | Site and adjacent properties: No apparent changes to the Project Corridor from the 2011 image. |

2.5 Sanborn Maps Interpretation

A search for Sanborn maps of the area was conducted by EDR. However, no available Sanborn maps were available for the Project Corridor. A copy of the Sanborn no coverage letter is included in Appendix E.

2.6 Oil and Gas Well Records

According to the Ohio Department of Natural Resources (ODNR), Division of Geological Survey – Oil & Gas Well Map, there are six (6) oil or gas wells drilled within a 1/2-mile radius of the Project Corridor. Additionally, there are three (3) wells permitted to be drilled and fourteen (14) oil & gas laterals that extend to within 1/2-mile of the Project Corridor. Other oil, gas, or injection wells may be present within the search radius but may not have been identified due to inaccurate well descriptions or unreported wells. A copy of the map and available records are included in Appendix F.

3.0 PHYSICAL SETTING SOURCE(S)

The Site lies in the Little Switzerland Plateau Physiographic Region. The surrounding area displays a gentle to moderate slope to the north towards Short Creek as well as to the east towards the Ohio River. The average elevation at the Site is approximately 1,238 feet USGS datum.

Bedrock at the Site is composed of Pennsylvanian Monongahela and Conemaugh Groups and Pennsylvanian and Permian Dunkard Group formed of shale, siltstone and mudstone. According to the ODNR Water Well Logs, bedrock at the Site was encountered at depths ranging from 3 to 12 feet below ground surface (bgs). The Groundwater Resources Map of Jefferson County (Walker, 1990) indicates that the Site lies in a very limited supply of groundwater, producing less than 3 gallons per minute. Wells are drilled into thin beds of sandstone, shale and limestone. Based upon the orientation of Short Creek and the Ohio River, and general topography in the area, groundwater flow near the Site is most likely to the east-northeast.

4.0 REGULATORY DATABASE REVIEW

4.1 Federal, State, and Tribal Environmental Records

An environmental database report generated by EDR was used to access environmental records for this report. The proximity of various listed facilities was reviewed to identify the potential affect, if any, that these facilities may have on the Site. The databases searched included those specified by ASTM E 1527-13 as well as several additional federal and state databases.

EDR contacts government agencies to receive updated records on a monthly or quarterly basis, depending on the database. As a result, facilities that were recently added to the list, and therefore not identified by EDR, may exist within the specified search distance. EDR has verified that it updates its database every 90 days or within 90 days of the last agency update. In addition to the facilities identified in the EDR report, EDR provides a list of orphan facilities. These facilities, which are listed on one or more databases, do not have enough address information to be specifically located by EDR. A copy of the report by EDR is included in Appendix G.

Based on regulatory information from the databases, as well as topography, geological conditions, and hydrogeological considerations including anticipated groundwater flow direction, potential groundwater flow barriers, such as rivers or streams, only facilities located adjacent to the Site and other facilities located within 0.25 miles west of the Site would potentially affect the Site if releases occurred at those facilities. The following facilities were identified within the EDR report:

Site:

The Project Corridor was not listed in the EDR report.

Adjacent properties:

No adjacent properties were listed in the EDR report.

Orphan Facility:

Mount Pleasant Water Authority – 0.02 miles West of Market St.

The facility has been listed in the EDR OH-Spills Database. The Database indicated that a spill was reported on February 8th, 2014 at the Mount Pleasant Water Authority. The product spilled was identified as drinking water. Hull contacted the Ohio EPA Central Office and obtained a copy of the incident report as detailed in section 4.2.2, indicating that a citizen complained of cloudy drinking water tasting of chlorine. The address listed on the incident report, 283 Market Street, was

the address of the resident who filed the complaint, and not the location of the possible spill, therefore, this incident is not an environmental concern to the Project Corridor.

4.2 Adjacent Property Environmental Records

Since no properties were identified in the EDR Database report located within the Project Corridor or on adjacent properties, Hull only requested files for the Spill located at the Mount Pleasant Water Authority from the Ohio EPA South East District Office and Central Office and BUSTR files for a potential historic gasoline station (the former Johnny's Gulf & Auto Repair property).

4.2.1 Ohio EPA Southeast District Office

The Ohio EPA Southeast District office responded indicating that they had no files recorded in their office for the spill and explained all spill files are stored at the Ohio EPA Central Office.

4.2.2 Ohio EPA Central Office

The Ohio EPA Central Office provided an incident report from the spill indicating that a citizen complained of cloudy drinking water tasting of chlorine. Ohio EPA SE District contacted the Mount Pleasant Water Authority and the Water Authority investigated the incident; no further information was provided.

4.2.3 Ohio Bureau of Underground Storage Tanks (BUSTR)

Hull inquired with BUSTR to be provided with any records pertaining to the Former Johnny's Gulf & Auto Repair facility because of the observations of an apparent former dispenser island on the property. One record was obtained using BUSTR's online search tool for a former gas station property in Mount Pleasant. The record did not include the address of the property; only a P.O. Box address was provided. An addendum to this report will be issued if BUSTR's response poses an environmental concern for the Project Corridor.

Correspondence with the Ohio EPA SE District and Central Office and BUSTR is presented in Appendix H.

5.0 VISUAL INSPECTION

5.1 Site Reconnaissance

A reconnaissance of the parcels located within the Project Corridor was performed on August 25, 2017 by a Hull representative to visually assess the Project Corridor (shown on Figure 2) and to identify potential areas of environmental concern associated with adjacent properties. Hull drove the length of Project Corridor, and visually assessed properties identified in the EDR database report from the Public Rights-of-Way to determine current use and to evaluate the presence of potential environmental concerns that may be associated with the property (e.g., ASTs, transformers, etc.). The findings from the reconnaissance are summarized below. Photos of the Project Corridor reconnaissance are presented in Appendix B and the locations of the photographs are presented in Figure 2.

The portion of the Village of Mount Pleasant within the Project Corridor consists of residential streets and alleyways through areas of considerable topographic relief. The roadways and residences are concentrated in the vicinity surrounding Union Street in the central portion of the Project Corridor. The Project Corridor extends through more undeveloped areas with residences to the north along State Route 150 and to the south along State Route 647.

1. **Former Johnny's Gulf & Auto Repair** – 117 Mulberry St., Mount Pleasant, OH, located at the southwestern corner of Mulberry St. and Market St. Current Use: Site appears to be vacant and non-operational. Two garage doors are location on the eastern side of the brick building. A paved area surrounding a concrete former dispenser island are located in front of the building in the northeast corner of the Site. It was observed during the site reconnaissance that the pavement surrounding the former dispenser island is in poor condition and no patched pavement or lids were located (Photo 1). The location of the former Johnny's Gulf & Auto Repair is shown on Figure 2.

Hazardous material observed: No hazardous materials were observed during the visual inspection.

Orphan Facility:

Mount Pleasant Water Authority – 283 Market St. Mount Pleasant, OH, 0.02 mile west of Market Street: Current Use: The site is the location of a residential mobile home. The home was observed on the western side of Market Street in the southwestern portion of the Project Corridor during the site reconnaissance. Additional information in regards to this site is provided in Section 4.2.2.

Hazardous material observed: No hazardous material was observed during the visual inspection.

6.0 FINDINGS, OPINIONS AND CONCLUSIONS

Hull conducted this limited Phase I HTRW Survey to evaluate the presence of recognized environmental conditions that may necessitate further environmental assessment along the proposed Project Corridor. The Assessment is based on information gained by qualified Hull personnel from review of maps, both current and historical; review of historical aerial photographs; review of environmental regulatory database search reports; and a reconnaissance of the Project Corridor from existing rights-of-way. This assessment was conducted in general conformance with ASTM E 1527 & 1528 and USACE Limited Phase I HTRW Survey guidance and to evaluate the presence of observable likely environmental conditions that may necessitate a full Phase I Environmental Site Assessment.

Background historical information on the Project Corridor is presented in Section 2.0. The Physical Setting of the Project Corridor is presented in Section 3.0. The findings of a review of environmental records are presented in Section 4.0. A description of the Site reconnaissance is presented in Section 5.0.

Based on the information provided in this report, there is one property with the potential for environmental concern that may warrant additional evaluation, if soils are to be disturbed. These properties include:

Former Johnny's Gulf & Auto Repair- 117 Mulberry Street, Mount Pleasant, OH

This property was not identified in the environmental database search, but based on aerial photographs and observations during the site reconnaissance; it is possible that the property was used as a gasoline station as well as an auto maintenance garage. If this property was formerly a gas station, unregistered underground storage tanks could be located on the property. Hull inquired with BUSTR to determine the presence of any existing or former USTs on the property and an addendum to this report will be issued if the BUSTR response indicates an environmental issue for the Project Corridor.

7.0 STANDARD OF CARE AND LIMITATIONS

The conclusions and recommendations presented herein are based on the level of effort and investigative techniques using that degree of care and skill ordinarily exercised under similar conditions by reputable members of the profession practicing in the same or similar locality at the time of service. No other warranty, expressed or implied, is made or intended by this report. An evaluation of past or present compliance with federal, state, or local environmental or land investigated Site is consistent with the Scope of Work, level of effort specified, and investigative techniques employed. Reports, opinions, letters, and other documents do not evaluate the presence or absence of any compound or parameter not specifically analyzed and reported. Hull makes no guarantees regarding the completeness or accuracy of any information obtained from public or private files or information provided by subcontractors. In addition, Hull makes no guarantees on the condition of the Site or changes in Site records after the date reviewed as indicated in the report.

Furthermore, this report is prepared for, and made available for the sole use of the Village of Mount Pleasant, Ohio and the U.S. Army Corps of Engineers. The contents thereof may not be used or relied upon by any other person or entity without the express written consent and authorization of the Village of Mount Pleasant, Ohio and Hull.

8.0 REFERENCES

A variety of technical documents and publications were referred to during the course of this project. Some of the references consulted are presented below. Referenced documents and publications may or may not have been reviewed in their entirety. The guidelines and procedures presented in the documents and publications referenced have not been strictly adhered to unless stated otherwise.

8.1 Documents

American Society for Testing and Materials. *E 1527-13 Environmental Site Assessments: Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. 2013

Boulder, Richard. Ohio Environmental Protection Agency, Central Office. *email Correspondence*. August 2016.

Caldwell, Nancy. State Fire Marshal, BUSTR. *email Correspondence*. August 2017.

Environmental Data Resources, *Aerial Photographs*, 1958, 1972, 1976, 1982, 1989, 1994, 2004, 2009, 2011 and 2013.

Environmental Data Resources, *Environmental Corridor Report*, August 2017.

Environmental Data Resources, *Sanborn Fire Insurance Maps, No coverage letter*. August 2017.

Environmental Data Resources, *Topographic maps, 1905, 1960, 1972, 1978, 1984 and 2013*.

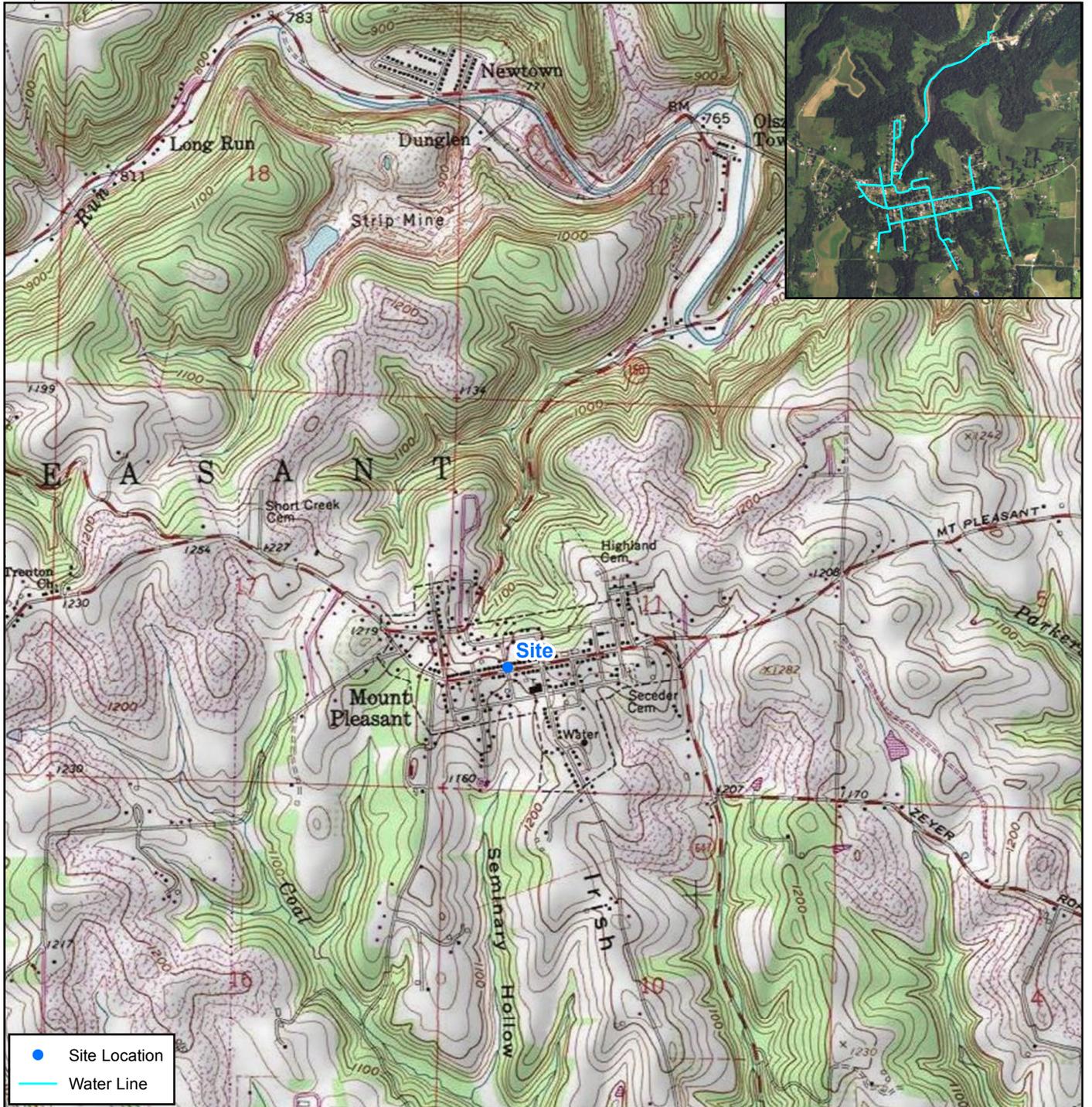
Hardesty, Angela. Ohio Environmental Protection Agency, Southeast District Office. *email Correspondence*. August 2017.

Ohio Department of Natural Resources, Division of Geological Survey, *Physiographic Regions of Ohio*, 1997.

Ohio Department of Natural Resources, Division of Water, *Groundwater Resources of Jefferson County*, 1990.

Ohio Department of Natural Resources, *Oil, Gas, and Injection Well Map*. August 2017.

FIGURES

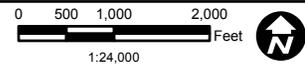


● Site Location
— Water Line



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Quad: Dillonvale

Source: The topographic map was acquired through the USGS Topographic Map web service.

The aerial photo in the inset was acquired through the ESRI Imagery web service. Aerial photography dated 2015.

HULL

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Suite 200
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Limited Phase I HTRW Investigation

Site Location Map

Mt. Pleasant, Jefferson County, Ohio

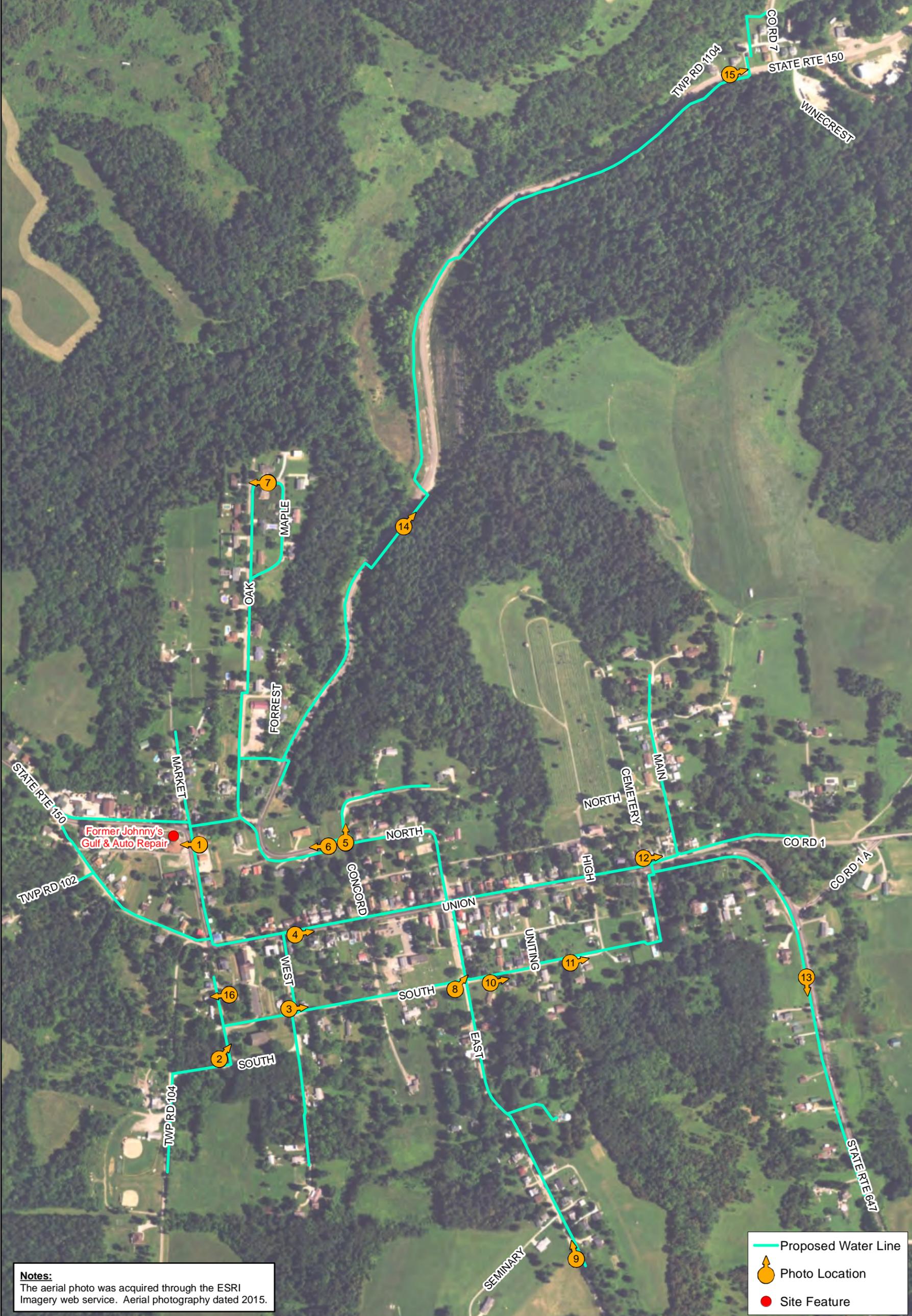
Date:

September 2017

File Name:
VPL001_01_Fig01_SiteLocMap.mxd
Edited: 9/8/2017 By: jhaynal

Figure

1



Notes:
The aerial photo was acquired through the ESRI Imagery web service. Aerial photography dated 2015.

-  Proposed Water Line
-  Photo Location
-  Site Feature

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September 2017

Limited Phase I HTRW Investigation

Site Layout with Photo Locations

Mt. Pleasant, Jefferson County, Ohio

Figure

2

APPENDIX A

Scope of Work

SCOPE OF WORK

The Scope of Work in quotations below has been provided by the USACE:

“ACTIVITIES REQUIRED FOR LIMITED PHASE I HTRW INVESTIGATIONS (Conducted in Accordance with Current ASTM E 1527 & 1528 Standards)

Phase I HTRW activities are performed to determine if there is a potential for any environmental concerns that may exist within the project area due to present and past property usage. The USACE has recognized that the major portion of water and sewer projects is constructed in road right-of-ways. Therefore, the following limited-scope activities for conducting HTRW investigations have been adopted for these types of projects. These activities are to be conducted in accordance with the most current ASTM E 1527 and E 1528 standards. The minimum activities required are as follows:

- a. A database search of environmental records for the affected area(s) to identify previous or existing hazardous waste and petroleum activities.
- b. Historical maps and drawings, such as Sanborn maps, aerial photos, topographical maps (if available) showing the history of the property over time. This information can be requested as part of the database search report.
- c. A limited interview process (i.e., Federal, State, and Local agencies, as well as current owners).
- d. A physical inspection of the project area(s). ASTM E 1527-13 requires (as part of the “All Appropriate Inquiry”) that additional emphasis be placed on impacts from adjacent properties. Adjacent properties should be noted. If adjacent properties appear to be impacting the subject property or the project area, additional follow-up to obtain information on that adjacent property may be necessary.
- e. *Ownership histories (deed searches) and detailed interviews would only be necessary when real estate was being acquired on which to locate permanent facilities such as pump stations, storage tanks, and treatment systems.*
- f. Submittal of Limited Phase I HTRW Report that includes pertinent documents, a discussion of findings, along with conclusions and recommendations.”

One draft electronic (.PDF) copy of the report will be provided to the Client for review. Two final hard copies of the report will be provided to the Client following the review process.

APPENDIX B

Photographic Logs



PHOTO 1: Former Gulf Auto Maintenance Garage property located on the southwestern corner of Mulberry Street and Market Street.



PHOTO 2: Historic Quaker Meeting House and a northwestern view from the intersection of Third Street and South Street.



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Limited Phase I HTRW Investigation

Site Photographs

Mt. Pleasant, Jefferson County, Ohio

Date Taken:

August 25, 2017

Project Number: VPL001

File Name:

VPL001.0001.XLS



PHOTO 3: Eastern view of South Street from the West Street and South Street intersection.



PHOTO 4: Eastern view along Union Street.

| | | |
|---|---|---|
|  6397 Emerald Parkway Suite 200 Dublin, Ohio 43016 © 2016, Hull & Associates, Inc. | Limited Phase I HTRW Investigation Site Photographs Mt. Pleasant, Jefferson County, Ohio | Date Taken: August 25, 2017 |
| | | Project Number: VPL001 File Name: VPL001.0001.XLS |



PHOTO 5: View facing north at the North Street and Concord Street intersection.



PHOTO 6: View facing west along North Street.

| | | |
|---|---|---|
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|---|---|---|



PHOTO 7: Photo facing west on Maple Street.



PHOTO 8: View facing north from the East Street and South Street intersection.



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Limited Phase I HTRW Investigation

Site Photographs

Mt. Pleasant, Jefferson County, Ohio

Date Taken:

August 25, 2017

Project Number: VPL001

File Name:

VPL001.0001.XLS



PHOTO 9: View facing north from the southern portion of the waterline, facing north along Irish Ridge Road.



PHOTO 10: View facing east along South Street showing the intersection with Uniting Street.



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Mt. Pleasant, Jefferson County, Ohio

Date Taken:
 August 25, 2017

Project Number: VPL001

File Name:
 VPL001.0001.XLS



PHOTO 11: View facing east along South Street, east of Uniting Street.



PHOTO 12: View facing east along Union Street near the Glen Robbins-Mt. Pleasant-Rayland Road Intersection.



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Site Photographs

Mt. Pleasant, Jefferson County, Ohio

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August 25, 2017

Project Number: VPL001

File Name:
 VPL001.0001.XLS



PHOTO 13: View facing south along State Route 647.



PHOTO 14: View facing north along State Route 150.



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Mt. Pleasant, Jefferson County, Ohio

Date Taken:

August 25, 2017

Project Number: VPL001

File Name:

VPL001.0001.XLS



PHOTO 15: View facing northeast along State Route 150 near the terminus of the waterline.



PHOTO 16: Property located at 283 Market Street and listed in the Environmental Database Report under the Mt. Pleasant Water Authority for drinking water issues.

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Limited Phase I HTRW Investigation

Site Photographs

Mt. Pleasant, Jefferson County, Ohio

Date Taken:

August 25, 2017

Project Number: VPL001

File Name:
VPL001.0001.XLS

APPENDIX C

Topographic Maps

Mt. Pleasant Water Line

243 Union St.

Dillonvale, OH 43917

Inquiry Number: 5026309.4

August 21, 2017

EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

08/21/17

Site Name:

Mt. Pleasant Water Line
243 Union St.
Dillonvale, OH 43917
EDR Inquiry # 5026309.4

Client Name:

Hull & Associates, Inc.
4 Hemishpere Way
Bedford, OH 44146
Contact: Nick Kasper



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Hull & Associates, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

Coordinates:

| | | | |
|-----------------|-------------------------|----------------------|------------------------------|
| P.O.# | VCV001.Task1.DGS01 | Latitude: | 40.175476 40° 10' 32" North |
| Project: | Mt. Pleasant Water Line | Longitude: | -80.798756 -80° 47' 56" West |
| | | UTM Zone: | Zone 17 North |
| | | UTM X Meters: | 517134.08 |
| | | UTM Y Meters: | 4447253.05 |
| | | Elevation: | 1237.44' above sea level |

Maps Provided:

2013
1984
1978
1972
1960
1905

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2013 Source Sheets



Dillonvale
2013
7.5-minute, 24000

1984 Source Sheets



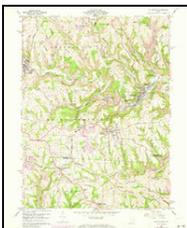
Dillonvale
1984
7.5-minute, 24000
Aerial Photo Revised 1982

1978 Source Sheets



Dillonvale
1978
7.5-minute, 24000
Aerial Photo Revised 1976

1972 Source Sheets

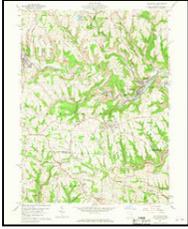


Dillonvale
1972
7.5-minute, 24000
Aerial Photo Revised 1972

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1960 Source Sheets

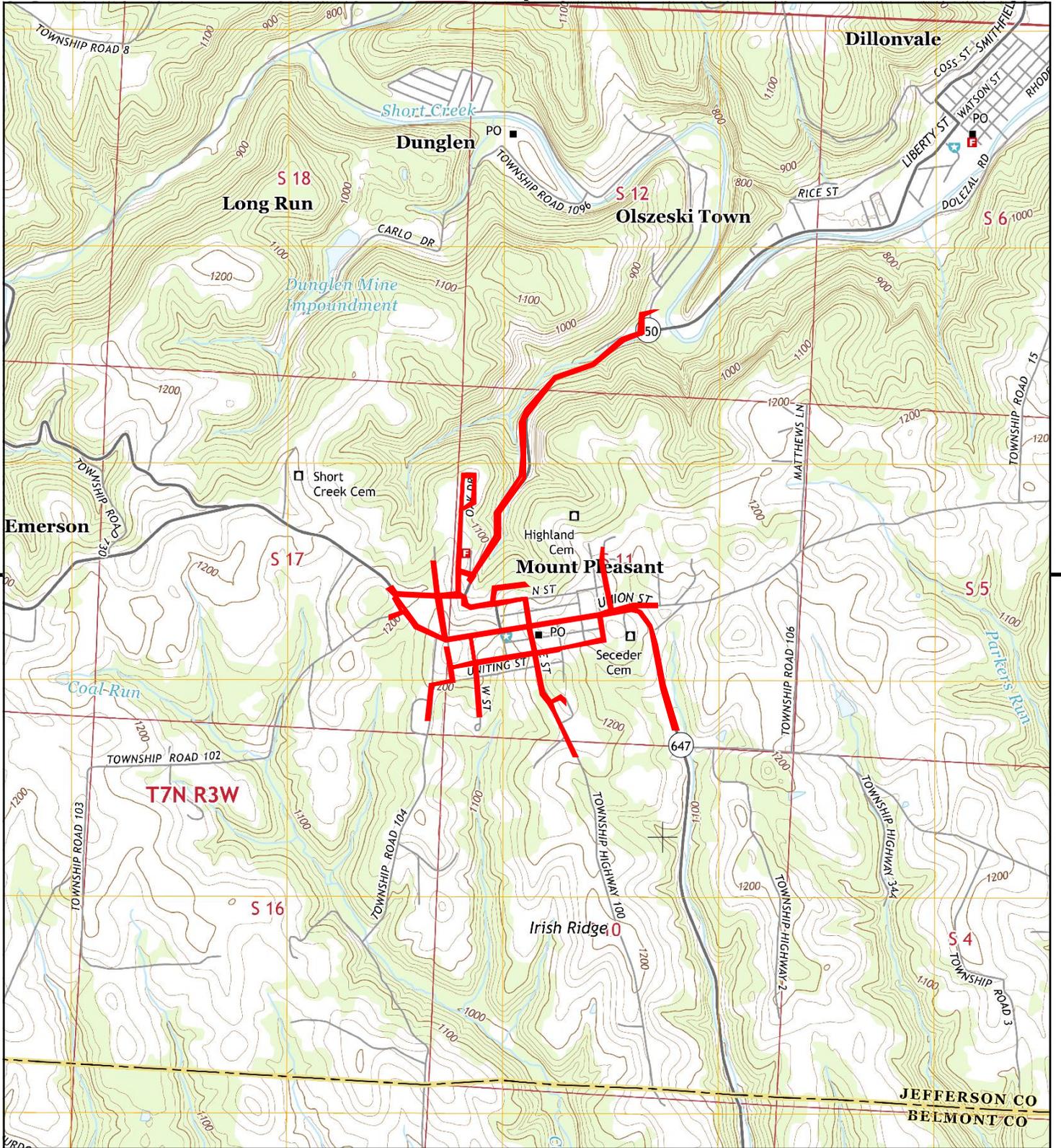


Dillonvale
1960
7.5-minute, 24000
Aerial Photo Revised 1958

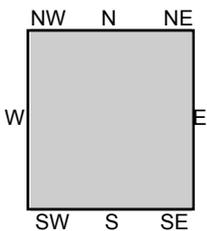
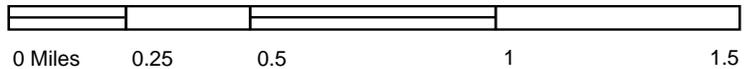
1905 Source Sheets



St. Clairsville
1905
15-minute, 62500



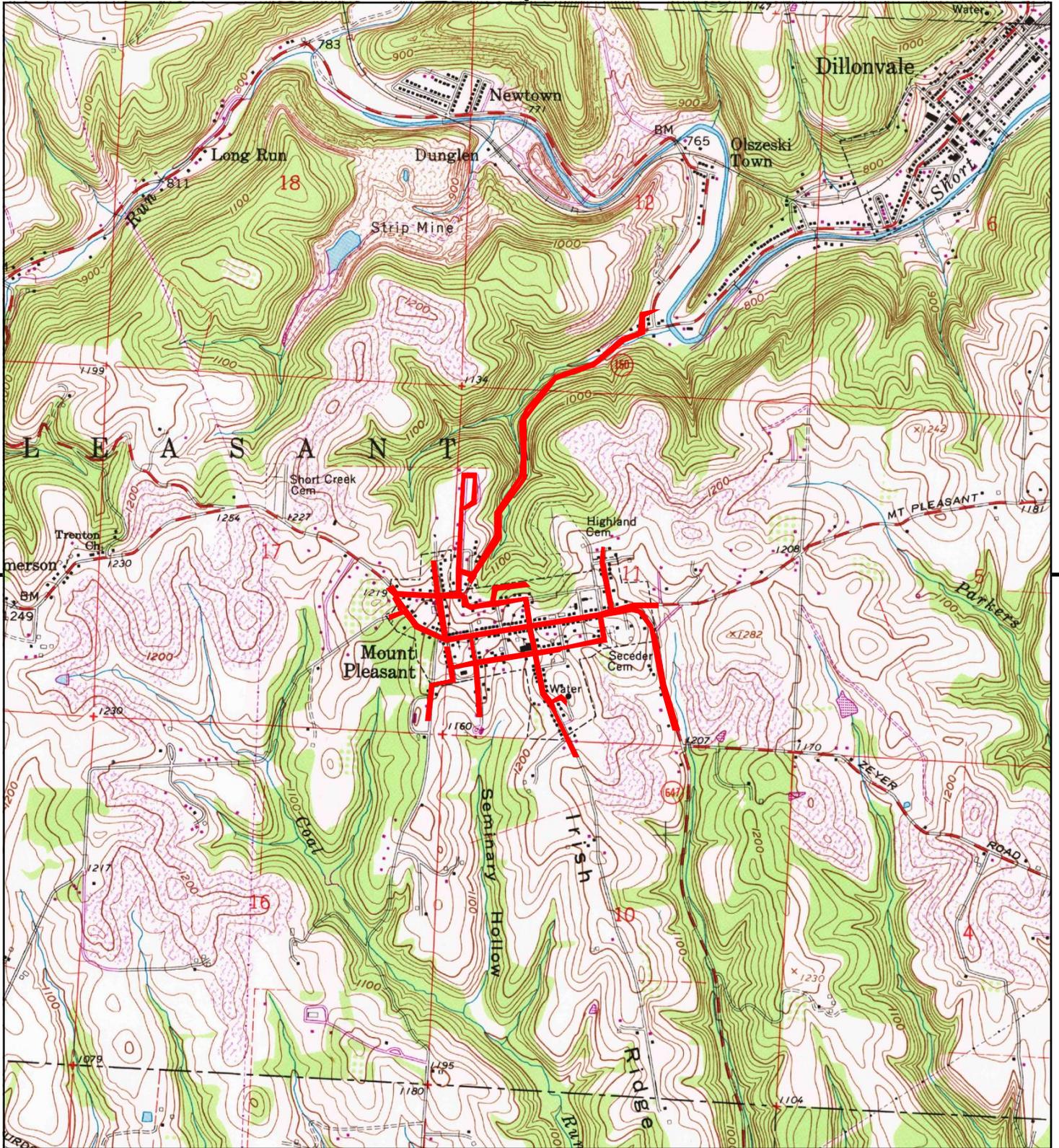
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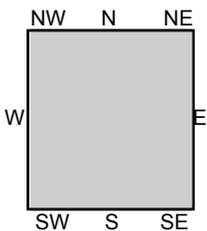
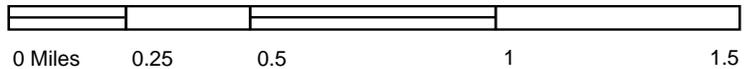
TP, Dillonvale, 2013, 7.5-minute

SITE NAME: Mt. Pleasant Water Line
ADDRESS: 243 Union St.
 Dillonvale, OH 43917
CLIENT: Hull & Associates, Inc.





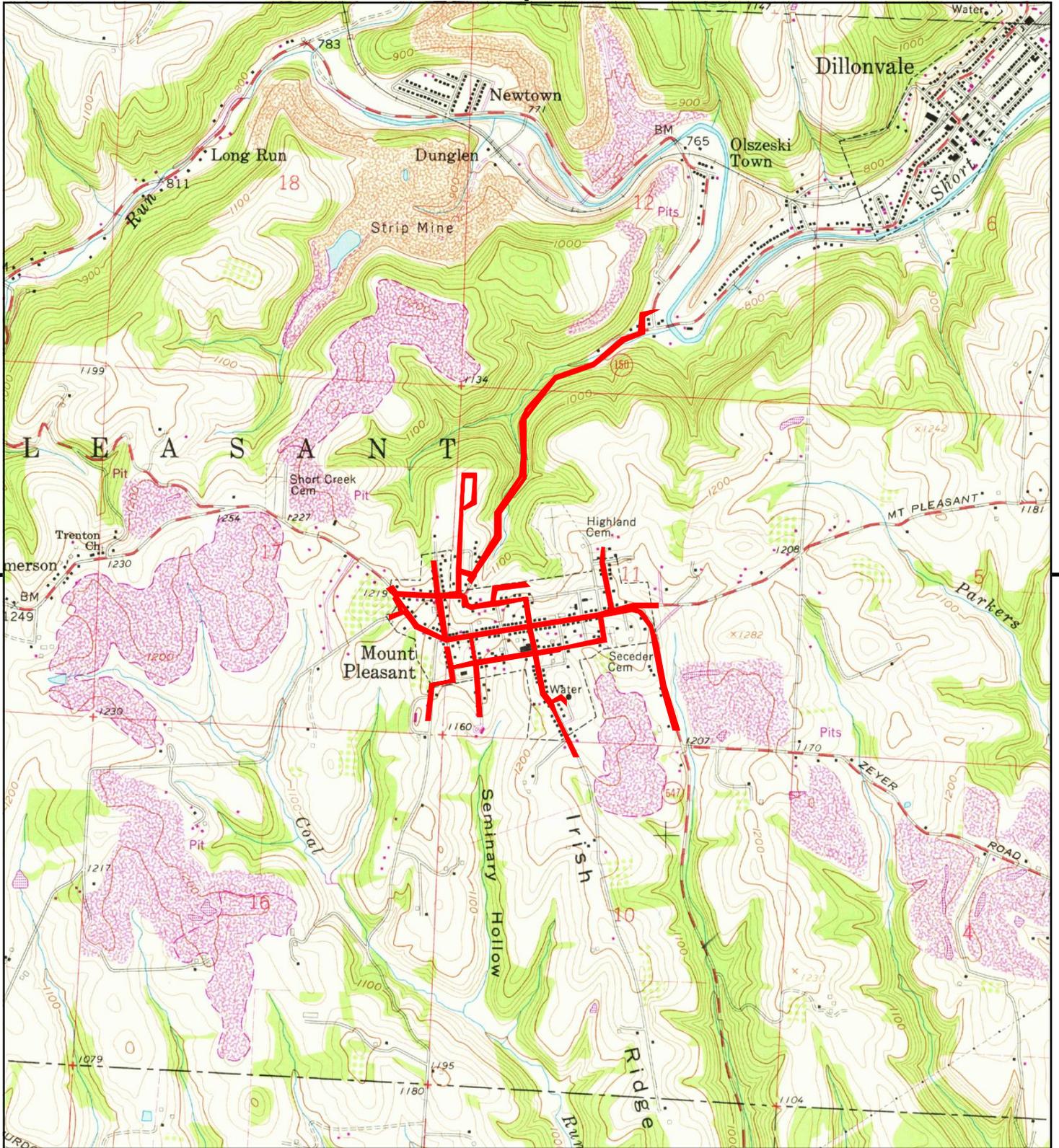
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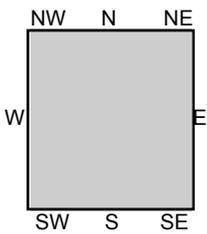
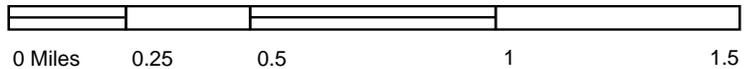
TP, Dillonvale, 1984, 7.5-minute

SITE NAME: Mt. Pleasant Water Line
ADDRESS: 243 Union St.
 Dillonvale, OH 43917
CLIENT: Hull & Associates, Inc.





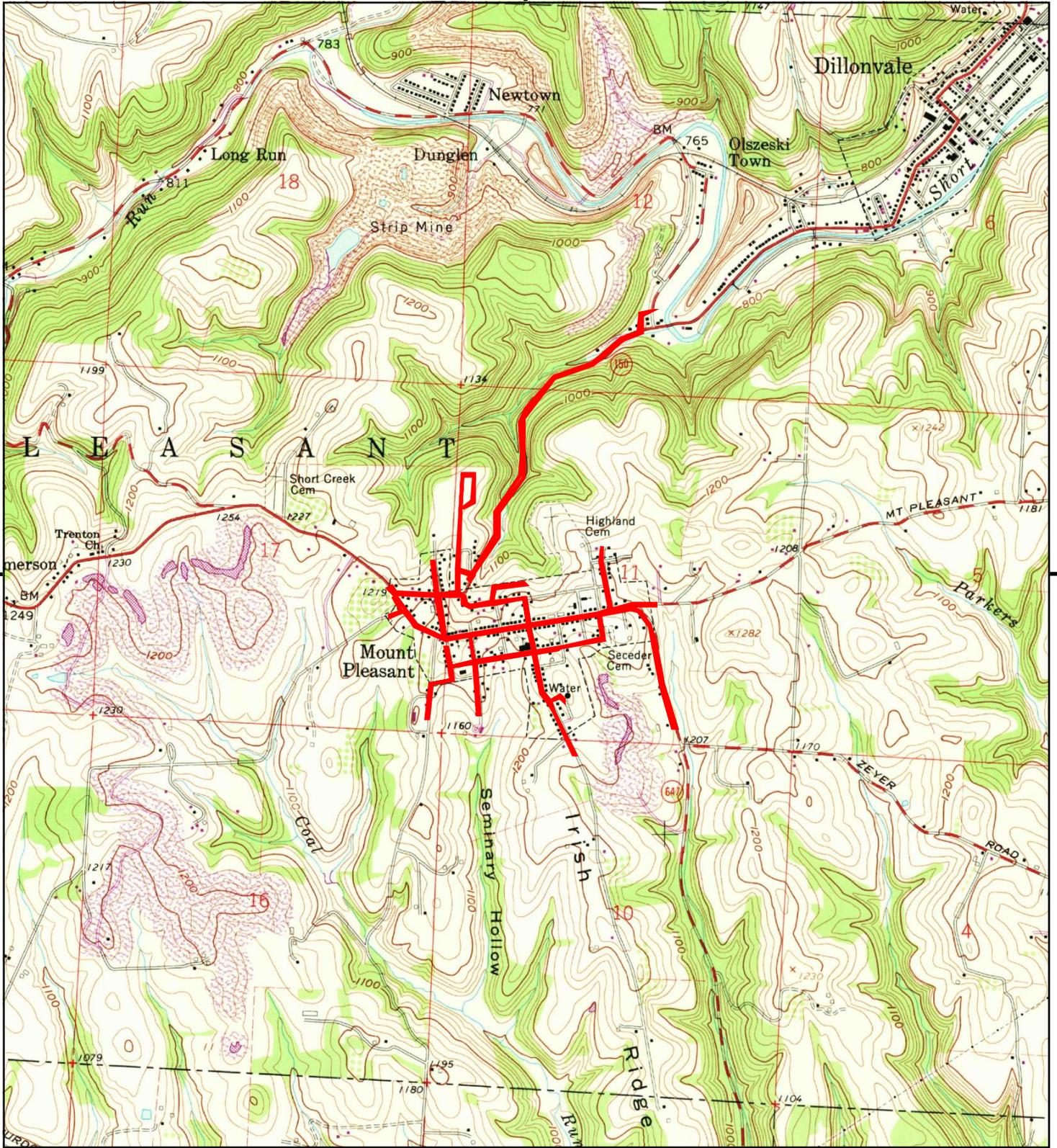
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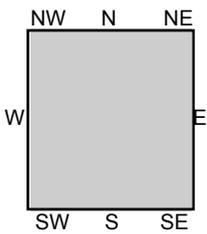
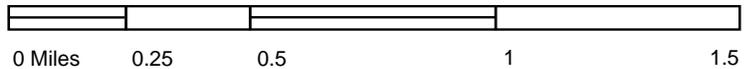
TP, Dillonvale, 1978, 7.5-minute

SITE NAME: Mt. Pleasant Water Line
ADDRESS: 243 Union St.
 Dillonvale, OH 43917
CLIENT: Hull & Associates, Inc.





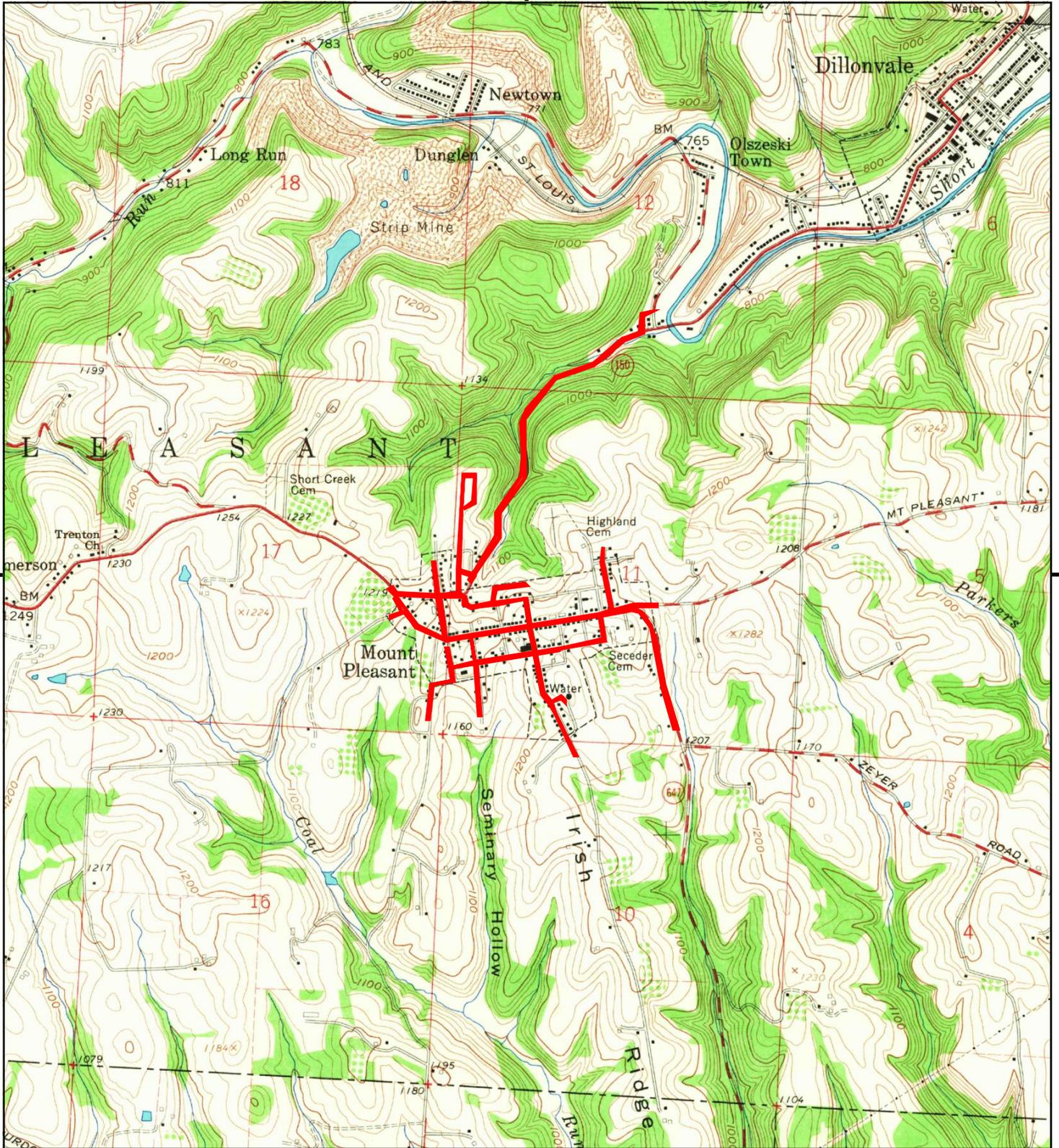
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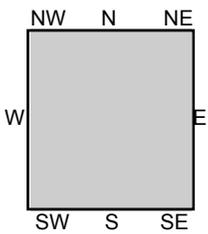
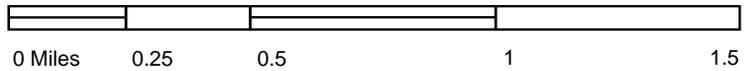
TP, Dillonvale, 1972, 7.5-minute

SITE NAME: Mt. Pleasant Water Line
ADDRESS: 243 Union St.
 Dillonvale, OH 43917
CLIENT: Hull & Associates, Inc.





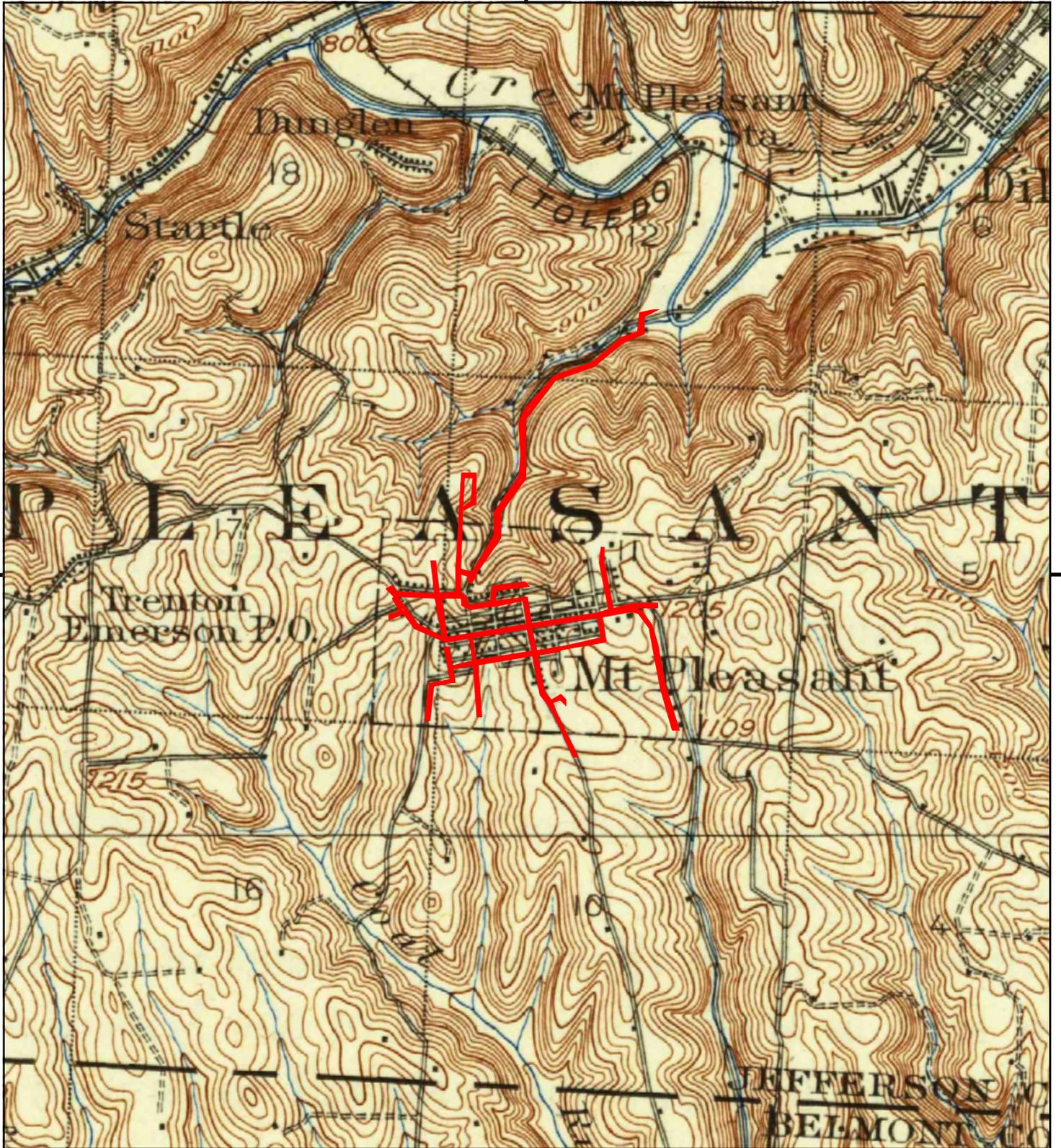
This report includes information from the following map sheet(s).



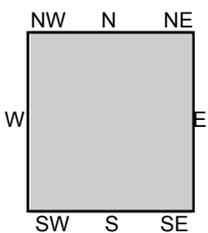
TP, Dillonvale, 1960, 7.5-minute

SITE NAME: Mt. Pleasant Water Line
ADDRESS: 243 Union St.
 Dillonvale, OH 43917
CLIENT: Hull & Associates, Inc.





This report includes information from the following map sheet(s).



TP, St. Clairsville, 1905, 15-minute

SITE NAME: Mt. Pleasant Water Line
ADDRESS: 243 Union St.
 Dillonvale, OH 43917
CLIENT: Hull & Associates, Inc.



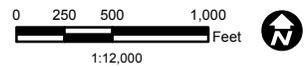
APPENDIX D

Aerial Photographs



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Source: The aerial photo was acquired through Environmental Data Resources (EDR).

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6397 Emerald Pkwy
Suite 200
Dublin, Ohio 43016

Phone: (614) 793-8777
Fax: (614) 793-9070
www.hullinc.com

Limited Phase I HTRW Investigation

Historical Aerial Photograph 1958

Mt. Pleasant, Jefferson County, Ohio

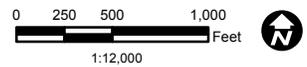
File Name:
VPL001_01_App_HistAerials.mxd

Edited: 8/29/2017 By: jsliifer



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Historical Aerial Photograph 1972

Mt. Pleasant, Jefferson County, Ohio

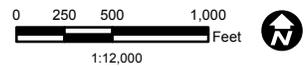
File Name:
VPL001_01_App_HistAerials.mxd

Edited: 8/29/2017 By: jslifer



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Limited Phase I HTRW Investigation

Historical Aerial Photograph 1976

Mt. Pleasant, Jefferson County, Ohio

File Name:
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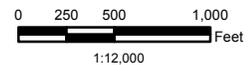
Edited: 8/29/2017 By: jslifer



Ohio

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Historical Aerial Photograph 1982

Mt. Pleasant, Jefferson County, Ohio

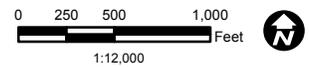
File Name:
VPL001_01_App_HistAerials.mxd

Edited: 8/29/2017 By: jslifer



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Limited Phase I HTRW Investigation

Historical Aerial Photograph
1989

Mt. Pleasant, Jefferson County, Ohio

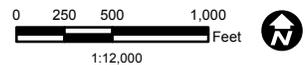
File Name:
VPL001_01_App_HistAerials.mxd

Edited: 8/29/2017 By: jsliifer



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Limited Phase I HTRW Investigation

Historical Aerial Photograph 1994

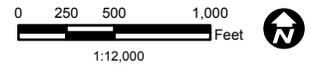
Mt. Pleasant, Jefferson County, Ohio

File Name:
VPL001_01_App_HistAerials.mxd

Edited: 8/29/2017 By: jsliifer



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Historical Aerial Photograph 2004

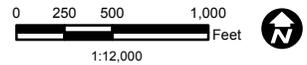
Mt. Pleasant, Jefferson County, Ohio

File Name:
 VPL001_01_App_HistAerials.mxd

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Historical Aerial Photograph 2009

Mt. Pleasant, Jefferson County, Ohio

File Name:
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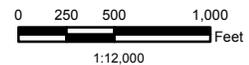
Edited: 8/29/2017 By: jsliifer



Ohio

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Limited Phase I HTRW Investigation

Historical Aerial Photograph 2011

Mt. Pleasant, Jefferson County, Ohio

File Name:
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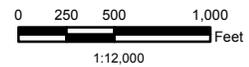
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Ohio

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Limited Phase I HTRW Investigation

Historical Aerial Photograph 2013

Mt. Pleasant, Jefferson County, Ohio

File Name:
VPL001_01_App_HistAerials.mxd

Edited: 8/29/2017 By: jslifer

APPENDIX E

Sanborn Maps and No Coverage Letter

Mt. Pleasant Water Line

243 Union St.

Dillonvale, OH 43917

Inquiry Number: 5026309.3

August 18, 2017

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

08/18/17

Site Name:

Mt. Pleasant Water Line
243 Union St.
Dillonvale, OH 43917
EDR Inquiry # 5026309.3

Client Name:

Hull & Associates, Inc.
4 Hemishpere Way
Bedford, OH 44146
Contact: Nick Kasper



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Certified Sanborn Results:

Certification # 3E01-451E-B5FB
PO # VCV001.Task1.DGS01
Project Mt. Pleasant Water Line

UNMAPPED PROPERTY

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Sanborn® Library search results

Certification #: 3E01-451E-B5FB

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- Library of Congress
- University Publications of America
- EDR Private Collection

The Sanborn Library LLC Since 1866™

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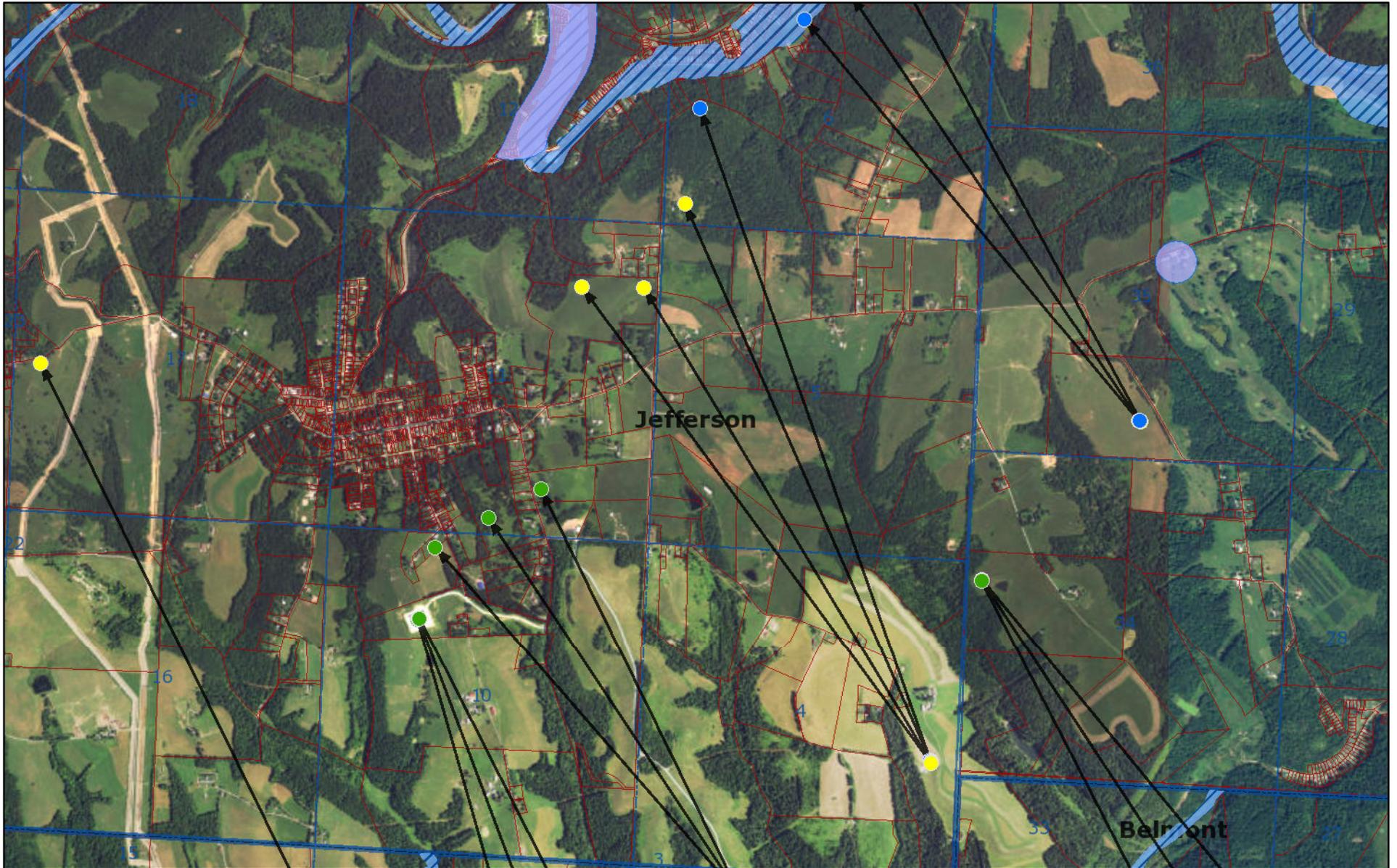
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APPENDIX F

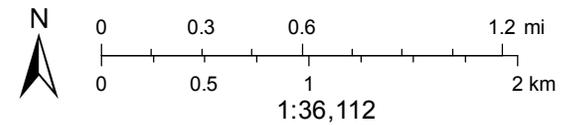
ODNR Oil and Gas Well Map

Ohio Oil & Gas Wells



August 17, 2017

-  Counties
-  Statewide Parcels
-  Current Township
-  Land Subdivision



WELL SUMMARY

ODNR DIVISION OF OIL & GAS RESOURCES MANAGEMENT

| | | | |
|-----------------------------------|----------------------------|-----------------------|--------------------------|
| API Well Number | 34081207010000 | Permit Issued | 4/28/2017 |
| Well Name | HARR E MTP JF | Acres | 683.641 |
| Owner | ASCENT RESOURCES UTICA LLC | Well No. | 7H |
| Logging Co. | Core No. | Sample No. | |
| County | JEFFERSON | Township | MT. PLEASANT |
| Section | 4 | Lot | Tract |
| Measured | 1971'SL & 443'EL OF SEC 4 | Quadrangle | DILLONVALE |
| Target: 1950'SL & 574'WL OF SEC 6 | | Zone | N |
| GL | 1129 DF KB LTD | Surface X | 2484120 Y 184618 |
| TD Form. | | Bottom X | 2480084 Y 195324 |
| IP Natural | IP AT | Surface Lon | -80.767993 Lat 40.160209 |
| Perforations | | Bottom Lon | -80.781674 Lat 40.189810 |
| Stimulations | | Surface X | 2452661 Y 184648 |
| Casing Record | | Bottom X | 2448625 Y 195354 |
| Log Types | | Prop TD | 9150 Class EOUT |
| | | Tool | RTAF |
| | | PB Depth | Date PB |
| | | Prod. Form. | Status Well Permitted |
| | | Initial Rock Pressure | Date Abandoned |

Formations

| Formation | Top | Bottom | Source | Prod. | Non-Standard | Remarks |
|-----------|-----|--------|--------|-------|--------------|---------|
|-----------|-----|--------|--------|-------|--------------|---------|

Annual Production

| Year | Quarter | Source | Oil | Gas | Water | Remarks |
|------|---------|--------|-----|-----|-------|---------|
|------|---------|--------|-----|-----|-------|---------|

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WELL SUMMARY

ODNR DIVISION OF OIL & GAS RESOURCES MANAGEMENT

| | | | |
|-----------------|----------------------------------|-----------------------|--------------------------------------|
| API Well Number | 34081207020000 | Permit Issued | 4/14/2017 |
| Well Name | HARR E MTP JF | Acres | 683.641 |
| Owner | ASCENT RESOURCES UTICA LLC | Well No. | 5H |
| Logging Co. | | Well No. | |
| | Core No. | Date Commenced | 3/13/2017 |
| | | Date Completed | |
| County | JEFFERSON | Township | MT. PLEASANT |
| | | Quadrangle | DILLONVALE |
| | | Zone | N |
| Section | 4 | Lot | Tract |
| | | Twp. Qtr. | |
| Measured | 1952'SL & 436'EL OF SEC 4 | | Surface X 2484126 Y 184599 |
| | Target: 372'SL & 384'WL OF SEC 6 | | Bottom X 2479862 Y 193752 |
| | | | Surface Lon -80.767973 Lat 40.160157 |
| | | | Bottom Lon -80.782579 Lat 40.185507 |
| | | | Surface X 2452667 Y 184629 |
| | | | Bottom X 2448403 Y 193782 |
| | | | NAD83 SPS |
| | | Prop TD | 9150 |
| | | Class | POOL |
| | | Tool | RTAF |
| GL | 1129 | DF | KB |
| | | LTD | 19700 |
| | | DTD | |
| | | PB Depth | |
| | | Date PB | |
| TD Form. | | Prod. Form. | |
| | | Status | Drilling |
| IP Natural | | IP | |
| | | AT | |
| | | Initial Rock Pressure | |
| | | Date Abandoned | |
| Perforations | | | |
| Stimulations | | | |
| Casing Record | | | |
| Log Types | | | |

Formations

| Formation | Top | Bottom | Source | Prod. | Non-Standard | Remarks |
|-----------|-----|--------|--------|-------|--------------|---------|
|-----------|-----|--------|--------|-------|--------------|---------|

Annual Production

| Year | Quarter | Source | Oil | Gas | Water | Remarks |
|------|---------|--------|-----|-----|-------|---------|
|------|---------|--------|-----|-----|-------|---------|

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WELL SUMMARY

ODNR DIVISION OF OIL & GAS RESOURCES MANAGEMENT

| | | | | |
|-----------------|----------------------------|----------------|--------------|-----------------------|
| API Well Number | 34081207030000 | Permit Issued | 4/14/2017 | |
| Well Name | HARR W MTP JF | Acres | 506.588 | |
| Well No. | 3H | Date Commenced | 3/15/2017 | |
| Owner | ASCENT RESOURCES UTICA LLC | Well No. | | |
| Logging Co. | | Date Completed | | |
| Core No. | | Sample No. | | |
| County | JEFFERSON | Township | MT. PLEASANT | |
| Quadrangle | DILLONVALE | | Zone | N |
| Section | 4 | Lot | Tract | Twp. Qtr. |
| Measured | 1933'SL & 429'EL OF SEC 4 | | Surface X | 2484132 Y 184580 |
| Target: | 1053'NL & 231'EL OF SEC 11 | | Bottom X | 2479209 Y 192348 |
| GL | 1129 DF | KB | LTD | 19995 DTD |
| TD Form. | | Prod. Form. | | Status |
| IP Natural | | IP AT | | Initial Rock Pressure |
| Perforations | | | | Date Abandoned |
| Stimulations | | | | |
| Casing Record | | | | |
| Log Types | | | | |

Formations

| Formation | Top | Bottom | Source | Prod. | Non-Standard | Remarks |
|-----------|-----|--------|--------|-------|--------------|---------|
|-----------|-----|--------|--------|-------|--------------|---------|

Annual Production

| Year | Quarter | Source | Oil | Gas | Water | Remarks |
|------|---------|--------|-----|-----|-------|---------|
|------|---------|--------|-----|-----|-------|---------|

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WELL SUMMARY

ODNR DIVISION OF OIL & GAS RESOURCES MANAGEMENT

| | | | | |
|-------------------------------------|----------------------------|----------------|--------------|-----------------------|
| API Well Number | 34081207040000 | Permit Issued | 4/14/2017 | |
| Well Name | HARR W MTP JF | Acres | 506.588 | |
| Well No. | 1H | Date Commenced | 3/13/2017 | |
| Owner | ASCENT RESOURCES UTICA LLC | Well No. | | |
| Logging Co. | | Date Completed | | |
| Core No. | | Sample No. | | |
| County | JEFFERSON | Township | MT. PLEASANT | |
| Quadrangle | DILLONVALE | | Zone | N |
| Section | 4 | Lot | Tract | Twp. Qtr. |
| Measured | 1915'SL & 422'EL OF SEC 4 | | Surface X | 2484139 Y 184561 |
| Target: 1103'NL & 1256'EL OF SEC 11 | | | Bottom X | 2478183 Y 192335 |
| GL | 1129 | DF | KB | LTD |
| | | | | 22188 |
| | | | | DTD |
| | | | | PB Depth |
| | | | | Date PB |
| TD Form. | | | | Prod. Form. |
| | | | | Status |
| | | | | Drilling |
| IP Natural | | IP | AT | Initial Rock Pressure |
| | | | | Date Abandoned |
| Perforations | | | | |
| Stimulations | | | | |
| Casing Record | | | | |
| Log Types | | | | |

Formations

| Formation | Top | Bottom | Source | Prod. | Non-Standard | Remarks |
|-----------|-----|--------|--------|-------|--------------|---------|
|-----------|-----|--------|--------|-------|--------------|---------|

Annual Production

| Year | Quarter | Source | Oil | Gas | Water | Remarks |
|------|---------|--------|-----|-----|-------|---------|
|------|---------|--------|-----|-----|-------|---------|

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WELL SUMMARY

ODNR DIVISION OF OIL & GAS RESOURCES MANAGEMENT

| | | | |
|-----------------|----------------------------|---------------|--------------|
| API Well Number | 34081207010000 | Permit Issued | 4/28/2017 |
| Well Name | HARR E MTP JF | Acres | 683.641 |
| Owner | ASCENT RESOURCES UTICA LLC | Well No. | 7H |
| Logging Co. | Core No. | Sample No. | |
| County | JEFFERSON | Township | MT. PLEASANT |
| Section | 4 | Lot | Tract |
| Measured | 1971'SL & 443'EL OF SEC 4 | | Quadrangle |
| GL | 1129 | DF | KB |
| TD Form. | LTD | 19310 | DTD |
| IP Natural | IP | AT | |
| Perforations | | | |
| Stimulations | | | |
| Casing Record | | | |
| Log Types | | | |

| | | | | | | | | |
|-----------------------|------------|----------------|----------------|------------|------------|-----|-----------|--------------|
| Surface X | 2484120 | Y | 184618 | Bottom X | 2480084 | Y | 195324 | NAD27 |
| Surface Lon | -80.767993 | Lat | 40.160209 | Bottom Lon | -80.781674 | Lat | 40.189810 | NAD27 |
| Surface X | 2452661 | Y | 184648 | Bottom X | 2448625 | Y | 195354 | NAD83 SPS |
| Prop TD | 9150 | Class | EOUT | Tool | RTAF | | | |
| PB Depth | | Date PB | | | | | | |
| Prod. Form. | | Status | Well Permitted | | | | | |
| Initial Rock Pressure | | Date Abandoned | | | | | | |

Formations

| Formation | Top | Bottom | Source | Prod. | Non-Standard | Remarks |
|-----------|-----|--------|--------|-------|--------------|---------|
|-----------|-----|--------|--------|-------|--------------|---------|

Annual Production

| Year | Quarter | Source | Oil | Gas | Water | Remarks |
|------|---------|--------|-----|-----|-------|---------|
|------|---------|--------|-----|-----|-------|---------|

WELL SUMMARY

ODNR DIVISION OF OIL & GAS RESOURCES MANAGEMENT

| | | | | |
|----------------------------------|----------------------------|----------------|--------------|-----------------------|
| API Well Number | 34081207020000 | Permit Issued | 4/14/2017 | |
| Well Name | HARR E MTP JF | Acres | 683.641 | |
| Owner | ASCENT RESOURCES UTICA LLC | Well No. | 5H | |
| Logging Co. | | Well No. | | |
| Core No. | | Date Commenced | 3/13/2017 | |
| Sample No. | | Date Completed | | |
| County | JEFFERSON | Township | MT. PLEASANT | |
| Quadrangle | DILLONVALE | | Zone | N |
| Section | 4 | Lot | Tract | Twp. Qtr. |
| Measured | 1952'SL & 436'EL OF SEC 4 | | Surface X | 2484126 Y 184599 |
| Target: 372'SL & 384'WL OF SEC 6 | | | Bottom X | 2479862 Y 193752 |
| GL | 1129 | DF | KB | LTD |
| | | | | 19700 |
| | | | | DTD |
| | | | | PB Depth |
| | | | | Date PB |
| TD Form. | | | | Prod. Form. |
| | | | | Status |
| | | | | Drilling |
| IP Natural | | | | Initial Rock Pressure |
| | | | | Date Abandoned |
| Perforations | | | | |
| Stimulations | | | | |
| Casing Record | | | | |
| Log Types | | | | |

Formations

| Formation | Top | Bottom | Source | Prod. | Non-Standard | Remarks |
|-----------|-----|--------|--------|-------|--------------|---------|
|-----------|-----|--------|--------|-------|--------------|---------|

Annual Production

| Year | Quarter | Source | Oil | Gas | Water | Remarks |
|------|---------|--------|-----|-----|-------|---------|
|------|---------|--------|-----|-----|-------|---------|

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WELL SUMMARY

ODNR DIVISION OF OIL & GAS RESOURCES MANAGEMENT

| | | | | |
|------------------------------------|----------------------------|----------------|--------------|------------------|
| API Well Number | 34081207030000 | Permit Issued | 4/14/2017 | |
| Well Name | HARR W MTP JF | Acres | 506.588 | |
| Well No. | 3H | Date Commenced | 3/15/2017 | |
| Owner | ASCENT RESOURCES UTICA LLC | Well No. | | |
| Logging Co. | | Date Completed | | |
| Core No. | | Sample No. | | |
| County | JEFFERSON | Township | MT. PLEASANT | |
| Quadrangle | DILLONVALE | | Zone | N |
| Section | 4 | Lot | Tract | Twp. Qtr. |
| Measured | 1933'SL & 429'EL OF SEC 4 | | Surface X | 2484132 Y 184580 |
| Target: 1053'NL & 231'EL OF SEC 11 | | | Bottom X | 2479209 Y 192348 |
| GL | 1129 | DF | KB | LTD |
| 19995 | DTD | | | |
| TD Form. | | | | |
| IP Natural | | IP | AT | |
| Perforations | | | | |
| Stimulations | | | | |
| Casing Record | | | | |
| Log Types | | | | |

Formations

| | | | | | | |
|-----------|-----|--------|--------|-------|--------------|---------|
| Formation | Top | Bottom | Source | Prod. | Non-Standard | Remarks |
|-----------|-----|--------|--------|-------|--------------|---------|

Annual Production

| | | | | | | |
|------|---------|--------|-----|-----|-------|---------|
| Year | Quarter | Source | Oil | Gas | Water | Remarks |
|------|---------|--------|-----|-----|-------|---------|

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WELL SUMMARY

ODNR DIVISION OF OIL & GAS RESOURCES MANAGEMENT

| | | | | |
|-------------------------------------|----------------------------|----------------|--------------|------------------|
| API Well Number | 34081207040000 | Permit Issued | 4/14/2017 | |
| Well Name | HARR W MTP JF | Acres | 506.588 | |
| Well No. | 1H | Date Commenced | 3/13/2017 | |
| Owner | ASCENT RESOURCES UTICA LLC | Well No. | | |
| Logging Co. | | Date Completed | | |
| Core No. | | Sample No. | | |
| County | JEFFERSON | Township | MT. PLEASANT | |
| Quadrangle | DILLONVALE | | Zone | N |
| Section | 4 | Lot | Tract | Twp. Qtr. |
| Measured | 1915'SL & 422'EL OF SEC 4 | | Surface X | 2484139 Y 184561 |
| Target: 1103'NL & 1256'EL OF SEC 11 | | | Bottom X | 2478183 Y 192335 |
| GL | 1129 DF | KB | LTD | 22188 DTD |
| TD Form. | | | | |
| IP Natural | | IP AT | | |
| Perforations | | | | |
| Stimulations | | | | |
| Casing Record | | | | |
| Log Types | | | | |

Formations

| Formation | Top | Bottom | Source | Prod. | Non-Standard | Remarks |
|-----------|-----|--------|--------|-------|--------------|---------|
|-----------|-----|--------|--------|-------|--------------|---------|

Annual Production

| Year | Quarter | Source | Oil | Gas | Water | Remarks |
|------|---------|--------|-----|-----|-------|---------|
|------|---------|--------|-----|-----|-------|---------|

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WELL SUMMARY

ODNR DIVISION OF OIL & GAS RESOURCES MANAGEMENT

| | | | | | | | | | | | | |
|-----------------|--|----------------|-----------|-------------|------------|-------|-----------------------|----------------|---------|---|--------|--------------|
| API Well Number | 34013211280000 | Permit Issued | 1/12/2017 | | | | | | | | | |
| Well Name | OLIVER NE CLR BL | Acres | 367.2 | | | | | | | | | |
| Well No. | 5H | Well No. | 5H | | | | | | | | | |
| Owner | ASCENT RESOURCES UTICA LLC | Date Commenced | | | | | | | | | | |
| Logging Co. | | Well No. | | | | | | | | | | |
| Core No. | | Date Completed | | | | | | | | | | |
| Sample No. | | | | | | | | | | | | |
| County | BELMONT | Township | COLERAIN | | | | | | | | | |
| Quadrangle | DILLONVALE | | Zone | S | | | | | | | | |
| Section | 9 | Lot | Tract | Twp. Qtr. | | | | | | | | |
| Surface X | 2475931 | Y | 784725 | Bottom X | 2469200 | Y | 797732 | NAD27 | | | | |
| Surface Lon | -80.797682 | Lat | 40.142195 | Bottom Lon | -80.820887 | Lat | 40.178239 | NAD27 | | | | |
| Measured | 265'SL & 2237'WL OF SEC 9 (COLERAIN TWP/BELMONT CO) | | | Surface X | 2444472 | Y | 784767 | Bottom X | 2437741 | Y | 797774 | NAD83 SPS |
| Target: | 2411'SL & 467'WL OF SEC 17 (MT. PLEASANT TWP/JEFFERSON CO) | | | Prop TD | 9000 | Class | NWC | Tool | RTAF | | | |
| GL | 1167 | DF | KB | LTD | 25865 | DTD | PB Depth | Date PB | | | | |
| TD Form. | | | | Prod. Form. | | | Status | Well Drilled | | | | |
| IP Natural | | | IP AT | | | | Initial Rock Pressure | Date Abandoned | | | | |
| Perforations | | | | | | | | | | | | |
| Stimulations | | | | | | | | | | | | |
| Casing Record | | | | | | | | | | | | |
| Log Types | | | | | | | | | | | | |

Formations

| Formation | Top | Bottom | Source | Prod. | Non-Standard | Remarks |
|-----------|-----|--------|--------|-------|--------------|---------|
|-----------|-----|--------|--------|-------|--------------|---------|

Annual Production

| Year | Quarter | Source | Oil | Gas | Water | Remarks |
|------|---------|--------|-----|-----|-------|---------|
|------|---------|--------|-----|-----|-------|---------|

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WELL SUMMARY

ODNR DIVISION OF OIL & GAS RESOURCES MANAGEMENT

| | | | |
|-----------------|--|----------------|-----------------------|
| API Well Number | 34013208930000 | Permit Issued | 3/18/2015 |
| Well Name | POL PES BL | Acres | 554.63 |
| Well No. | 1H | Date Commenced | 4/24/2015 |
| Owner | ASCENT RESOURCES UTICA LLC | Well No. | |
| Logging Co. | Baker-Hughes | Core No. | |
| | | Sample No. | |
| County | BELMONT | Township | PEASE |
| | | Quadrangle | DILLONVALE |
| | | Zone | S |
| Section | 3 | Lot | |
| | | Tract | |
| | | Twp. Qtr. | |
| Measured | 4222' NL & 1828' WL OF SEC 3 (N) [BELMONT CO/PEASE TWP] | | |
| | Target: 261'NL & 1830'WL OF SEC 10 (JEFFERSON CO/MT PLEASANT TWP) | | |
| | Surface X | 2480972 | Y 789189 |
| | Bottom X | 2475824 | Y 794822 |
| | Surface Lon | -80.779352 | Lat 40.154184 |
| | Bottom Lon | -80.797384 | Lat 40.169912 |
| | Surface X | 2449513 | Y 789231 |
| | Bottom X | 2444365 | Y 794864 |
| | Prop TD | 10100 | Class EDPW |
| | | | Tool RTAF |
| GL | 1164 | DF | KB |
| | | LTD | DTD |
| | | | 10351 |
| | | | PB Depth |
| | | | Date PB |
| TD Form. | | Prod. Form. | Status |
| | | | Plugged Back |
| IP Natural | | IP AT | Initial Rock Pressure |
| | | | Date Abandoned |
| Perforations | | | |
| Stimulations | | | |
| Casing Record | | | |
| Log Types | Cement Bond, Cement Curve, Cement Quality, Cement, Gamma Ray-Neutron,Density | | |

Formations

| Formation | Top | Bottom | Source | Prod. | Non-Standard | Remarks |
|--------------------------|-------|--------|---------|-------|--------------|---------|
| RHINESTREET SHALE MEMBER | 5160 | | Driller | No | | |
| BIG LIME | 5650 | | Driller | No | | |
| UTICA SHALE | 9975 | | Driller | No | | |
| POINT PLEASANT FORMATION | 10320 | | Driller | No | | |

Annual Production

| Year | Quarter | Source | Oil | Gas | Water | Remarks |
|------|---------|--------|-----|-----|-------|---------|
|------|---------|--------|-----|-----|-------|---------|

WELL SUMMARY

ODNR DIVISION OF OIL & GAS RESOURCES MANAGEMENT

API Well Number 34013208930100 Permit Issued 6/5/2015

Well Name POL PES BL Acres 554.63 Well No. 1H Date Commenced

Owner ASCENT RESOURCES UTICA LLC Well No. Date Completed 6/25/2015

Logging Co. Core No. Sample No.

County BELMONT Township PEASE Quadrangle DILLONVALE Zone S

Section 3 Lot Tract Twp. Qtr. Surface X 2480975 Y 789149 Bottom X 2475815 Y 794816 NAD27
 Surface Lon -80.779344 Lat 40.154074 Bottom Lon -80.797417 Lat 40.169896 NAD27

Measured 422' NL & 1828' WL OF SEC 3 (N) [BELMONT CO/PEASE TWP] Surface X 2449516 Y 789191 Bottom X 2444356 Y 794858 NAD83 SPS
 Target: 267'NL & 1821'WL OF SEC 10 (JEFFERSON CO/MT PLEASANT TWP) Prop TD 18325 Class EDPW Tool RTAF

GL 1164 DF KB LTD 18325 DTD 18012 PB Depth Date PB

TD Form. POINT PLEASANT FORMATION Prod. Form. POINT PLEASANT FORMATION Status Producing

IP Natural IP AT 16897 MCF Initial Rock Pressure Date Abandoned

Perforations PI: 17681-17806, Date: 8/10/2016, # Shots: 30, Cmmnt: STAGE 1PI: 10424-10565, Date: 12/6/2016, # Shots: 30, Cmmnt: STAGE 42
 Date: 8/10/2016, SI: 17681-17806, Fmtn Cd: 364005, Stim In: CS, Type: H2O, Vol: 5336 Bbl, #Prop: 230373, Acid%: 15, MBP: 11545, MTP: 10995, MISIP: 6275, 5SIP: 6080, Cmmnt: STAGE 1/42 STAGES 2-41 SEE IMAGES Date: 12/6/2016, SI: 10424-10565, Fmtn Cd: 364005, Stim In: CS, Type: H2O, Vol: 4521 Bbl, #Prop: 224800, Acid%: 8, MISIP: 7280, 5SIP: 6630, Cmmnt: STAGE 42/42 STAGES 2-43 SEE IMAGES

Casing Record COND 30 0-95-0, Comment: 0, Sks: 422 SURF 18.625 0-295-0, Comment: 0, Sks: 970 II 13.375 0-2275-0, Comment: 0, Sks: 2010 I2* 9.625 0-9208-0, Comment: 0, Sks: 2350 PROD 5.5 0-17992-0, Comment: 0, Sks: 2940

Log Types

Formations

| Formation | Top | Bottom | Source | Prod. | Non-Standard | Remarks |
|--------------------------|-------|--------|---------|-------|--------------|---------|
| RHINESTREET SHALE MEMBER | 5160 | | Driller | No | | Gas |
| BIG LIME | 5650 | | Driller | No | | |
| UTICA SHALE | 9975 | | Driller | No | | Gas |
| POINT PLEASANT FORMATION | 10320 | | Driller | Yes | | Gas |

Annual Production

| Year | Quarter | Source | Oil | Gas | Water | Remarks |
|------|---------|--------|-----|---------|-------|---------|
| 2017 | 1st. | RBDMS | 0 | 1081293 | 2695 | |

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WELL SUMMARY

ODNR DIVISION OF OIL & GAS RESOURCES MANAGEMENT

| | | | |
|--|--|-----------------------|------------------|
| API Well Number | 34013208940000 | Permit Issued | 3/18/2015 |
| Well Name | POL PES BL | Acres | 554.63 |
| Well No. | 3H | Date Commenced | 4/27/2015 |
| Owner | ASCENT RESOURCES UTICA LLC | Well No. | |
| Date Completed | 7/8/2015 | | |
| Logging Co. | Renegade Services | Core No. | Sample No. |
| County | BELMONT | Township | PEASE |
| Quadrangle | DILLONVALE | Zone | S |
| Section | 3 | Lot | Tract |
| Twp. Qtr. | | Surface X | 2480971 Y 789168 |
| Bottom X | 2476686 | Y | 795319 |
| Surface Lon | -80.779357 | Lat | 40.154127 |
| Bottom Lon | -80.794267 | Lat | 40.171231 |
| Measured | 403' NL & 1824' WL OF SEC 3(N) [BELMONT CO/PEASE TWP] | Surface X | 2449512 Y 789210 |
| Bottom X | 2445227 | Y | 795361 |
| Target: 270'SL & 2646'EL OF SEC 11 (JEFFERSON CO/MT. PLEASANT TWP) | | Prop TD | 8300 |
| Class | EDPW | Tool | RTAF |
| GL | 1164 DF KB LTD | DTD | 17859 |
| PB Depth | | Date PB | |
| TD Form. | POINT PLEASANT FORMATION | Prod. Form. | |
| Status | Producing | | |
| IP Natural | IP AT 16699 MCF & 18 BW | Initial Rock Pressure | Date Abandoned |
| Perforations | PI: 17465-17590, Date: 11/28/2016, # Shots: 30, Cmmnt: STAGE 1PI: 10229-10390, Date: 12/5/2016, # Shots: 30, Cmmnt: STAGE 37 | | |
| Stimulations | Date: 11/28/2016, SI: 17465-17590, Fmtn Cd: 364005, Stim In: CS, Type: H2O, Vol: 5167 Bbl, #Prop: 230403, Acid%: 8, MBP: 10270, MTP: 1135, MISIP: 6631, 5SIP: 6075, Cmmnt: STAGE 1/37 STAGES 2-36 SEE IMAGES Date: 12/5/2016, SI: 10229-10390, Fmtn Cd: 364005, Stim In: CS, Type: H2O, Vol: 4189 Bbl, #Prop: 231600, Acid%: 8, MBP: 8803, MTP: 9768, MISIP: 5878, 5SIP: 5854, Cmmnt: STAGE 37/37 STAGES 2-36 SEE IMAGES | | |
| Casing Record | COND 30 0-95-0, Comment: 0, Sks: 417 SURF 18.625 0-319-0, Comment: 0, Sks: 770 I1 13.375 0-2275-0, Comment: 0, Sks: 1820 I2 9.625 0-9137-0, Comment: 0, Sks: 2350 PROD 5.5 0-17834-0, Comment: 0, Sks: 3905 | | |
| Log Types | Mud Log, sample log, Gamma Ray-Measured while drilling | | |

Formations

| Formation | Top | Bottom | Source | Prod. | Non-Standard | Remarks |
|--------------------------|-------|--------|---------|-------|--------------|---------|
| BIG LIME | 5670 | | Driller | No | | |
| UTICA SHALE | 9962 | | Driller | No | | Gas |
| POINT PLEASANT FORMATION | 10240 | | Driller | No | | Gas |

Annual Production

| Year | Quarter | Source | Oil | Gas | Water | Remarks |
|------|---------|--------|-----|---------|-------|---------|
| 2017 | 1st. | RBDMS | 0 | 1010106 | 3185 | |

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WELL SUMMARY

ODNR DIVISION OF OIL & GAS RESOURCES MANAGEMENT

| | | | |
|--|--|-----------------------|------------------|
| API Well Number | 34013208950000 | Permit Issued | 3/18/2015 |
| Well Name | POL PES BL | Acres | 554.63 |
| Well No. | 5H | Date Commenced | 4/22/2015 |
| Owner | ASCENT RESOURCES UTICA LLC | Well No. | |
| Date Completed | 7/28/2015 | | |
| Logging Co. | Renegade Services, Horizon Mud Logging | Core No. | |
| Sample No. | 5820 | | |
| County | BELMONT | Township | PEASE |
| Quadrangle | DILLONVALE | Zone | S |
| Section | 3 | Lot | Tract |
| Twp. Qtr. | | Surface X | 2480967 Y 789188 |
| Surface Lon | -80.779370 | Lat | 40.154182 |
| Bottom X | 2477551 | Y | 795810 |
| Bottom Lon | -80.791139 | Lat | 40.172534 |
| Measured | 383' NL & 1820' WL OF SEC 3(N) [BELMONT CO/PEASE TWP] | Surface X | 2449508 Y 789230 |
| Surface Lon | | Bottom X | 2446092 |
| Y | 795852 | Lat | 40.172534 |
| Target: 795'SL & 1798'EL OF SEC 11 (JEFFERSON CO/MT. PLEASANT TWP) | | Prop TD | 8300 |
| Class | EDPW | Tool | RTAF |
| GL | 1164 DF KB LTD | DTD | 17343 |
| PB Depth | | Date PB | |
| TD Form. | POINT PLEASANT FORMATION | Prod. Form. | |
| Status | Producing | | |
| IP Natural | IP AT 15798 MCF & 22 BW | Initial Rock Pressure | |
| Date Abandoned | | | |
| Perforations | PI: 17011-17136, Date: 9/20/2016, # Shots: 30, Cmmnt: STAGE IPI: 10081-10214, Date: 11/22/2016, # Shots: 30, Cmmnt: STAGE 43 | | |
| Stimulations | Date: 9/20/2016, SI: 17011-17136, Fmtn Cd: 364005, Stim In: CS, Type: H2O, Vol: 6134 Bbl, #Prop: 231600, Acid%: 8, MBP: 8715, MTP: 10183, MISIP: 6540, 5SIP: 6211, Cmmnt: STAGE 1/43 STAGES 2-42 SEE IMAGESDate: 11/22/2016, SI: 10081-10214, Fmtn Cd: 364005, Stim In: CS, Type: H2O, Vol: 4537 Bbl, #Prop: 232100, Acid%: 15, MBP: 8822, MTP: 10043, MISIP: 5810, 5SIP: 5715, Cmmnt: STAGE 43/43 STAGES 2-42 SEE IMAGESSI: 0-0 | | |
| Casing Record | COND 30 0-75-0, Comment: 0, Sks: 422 SURF 18.625 0-301-0, Comment: 0, Sks: 800 I1 13.375 0-2277-0, Comment: 0, Sks: 1710 I2 9.625 0-8985-0, Comment: 0, Sks: 2310 PROD 5.5 0-17318-0, Comment: 0, Sks: 3845 | | |
| Log Types | Gamma Ray-Measured while drilling, Mud Log, sample log | | |

Formations

| Formation | Top | Bottom | Source | Prod. | Non-Standard | Remarks |
|--------------------------|-------|--------|---------|-------|--------------|---------|
| RHINESTREET SHALE MEMBER | 5130 | | Driller | No | | gas |
| BIG LIME | 5560 | | Driller | No | | |
| UTICA SHALE | 9854 | | Driller | No | | gas |
| POINT PLEASANT FORMATION | 10136 | | Driller | No | | gas |

Annual Production

| Year | Quarter | Source | Oil | Gas | Water | Remarks |
|------|---------|--------|-----|--------|-------|---------|
| 2017 | 1st. | RBDMS | 0 | 935989 | 3281 | |

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WELL SUMMARY

ODNR DIVISION OF OIL & GAS RESOURCES MANAGEMENT

API Well Number 34013209380000 Permit Issued 6/25/2015

Well Name FINNEY PES BL Acres 248.421 Well No. 1H Date Commenced 4/27/2015

Owner ASCENT RESOURCES UTICA LLC Well No. Date Completed 8/13/2015

Logging Co. Core No. Sample No.

County BELMONT Township PEASE Quadrangle DILLONVALE Zone S

Section 3 Lot Tract Twp. Qtr. Surface X 2480964 Y 789208 Bottom X 2477701 Y 797752 NAD27
 Surface Lon -80.779379 Lat 40.154237 Bottom Lon -80.790471 Lat 40.177856 NAD27

Measured 364'NL & 1816'WL OF SEC 3 (BELMONT CO/PEASE TWP) Surface X 2449505 Y 789250 Bottom X 2446242 Y 797794 NAD83 SPS
 Target: 2741'SL & 1690'EL OF SEC 11 (JEFFERSON CO/MT PLEASANT TWP) Prop TD 8300 Class EDPW Tool RTAF

GL 1172 DF KB LTD DTD 19120 PB Depth Date PB

TD Form. POINT PLEASANT FORMATION Prod. Form. POINT PLEASANT FORMATION Status Producing

IP Natural IP AT 19018 MCF & 25 BW Initial Rock Pressure Date Abandoned

Perforations PI: 10239-18913

Stimulations Date: 11/13/2016, SI: 18789-18914, Fmtn Cd: 364005, Stim In: CS, Type: H2O, Vol: 6657 Bbl, #Prop: 230709, Acid%: 15, MBP: 10769, MTP: 10401, MISIP: 6010, 5SIP: 5384, Cmmnt: STAGE 1/58 30 SHOTS STAGES 2-57 SEE IMAGES Date: 11/26/2016, SI: 10239-10360, Fmtn Cd: 364005, Stim In: CS, Type: H2O, Vol: 5118 Bbl, #Prop: 231126, Acid%: 8, MBP: 9290, MTP: 10046, MISIP: 5606, 5SIP: 5380, Cmmnt: STAGE 58/58 30 SHOTS

Casing Record COND 30 0-95-0, Comment: 0, Sks: 417 SURF 18.675 0-330-0, Comment: 0, Sks: 830 II 13.375 0-2270-0, Comment: 0, Sks: 1700 I2 9.675 0-8960-0, Comment: 0, Sks: 2340 PROD 5.5 0-19095-0, Comment: 0, Sks: 3150

Log Types Gamma Ray-Measured while drilling

Formations

| Formation | Top | Bottom | Source | Prod. | Non-Standard | Remarks |
|--------------------------|-------|--------|---------|-------|--------------|---------|
| RHINESTREET SHALE MEMBER | 5150 | | Driller | No | | Gas |
| BIG LIME | 5602 | | Driller | No | | |
| UTICA SHALE | 9931 | | Driller | No | | Gas |
| POINT PLEASANT FORMATION | 10218 | | Driller | Yes | | Gas |

Annual Production

| Year | Quarter | Source | Oil | Gas | Water | Remarks |
|------|---------|--------|-----|---------|-------|---------|
| 2017 | 1st. | RBDMS | 0 | 1184011 | 6505 | |

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WELL SUMMARY

ODNR DIVISION OF OIL & GAS RESOURCES MANAGEMENT

| | | | | |
|-----------------|--|----------------|-----------------------|--------------------------|
| API Well Number | 34013208930100 | Permit Issued | 6/5/2015 | |
| Well Name | POL PES BL | Acres | 554.63 | |
| Well No. | 1H | Date Commenced | | |
| Owner | ASCENT RESOURCES UTICA LLC | Well No. | | |
| Logging Co. | | Date Completed | 6/25/2015 | |
| Core No. | | Sample No. | | |
| County | BELMONT | Township | PEASE | |
| Quadrangle | DILLONVALE | | Zone | S |
| Section | 3 | Lot | Tract | Twp. Qtr. |
| Measured | 422' NL & 1828' WL OF SEC 3 (N) [BELMONT CO/PEASE TWP] | | Surface X | 2480975 |
| | Target: 267'NL & 1821'WL OF SEC 10 (JEFFERSON CO/MT PLEASANT TWP) | | Y | 789149 |
| | | | Bottom X | 2475815 |
| | | | Y | 794816 |
| | | | Surface Lon | -80.779344 |
| | | | Lat | 40.154074 |
| | | | Bottom Lon | -80.797417 |
| | | | Lat | 40.169896 |
| | | | Surface X | 2449516 |
| | | | Y | 789191 |
| | | | Bottom X | 2444356 |
| | | | Y | 794858 |
| | | | NAD83 SPS | |
| | | | Prop TD | 18325 |
| | | | Class | EDPW |
| | | | Tool | RTAF |
| GL | 1164 | DF | KB | LTD |
| | | | | 18325 |
| | | | | DTD |
| | | | | 18012 |
| | | | | PB Depth |
| | | | | Date PB |
| TD Form. | POINT PLEASANT FORMATION | | Prod. Form. | POINT PLEASANT FORMATION |
| | | | Status | Producing |
| IP Natural | | IP AT | 16897 | MCF |
| | | | Initial Rock Pressure | |
| | | | Date Abandoned | |
| Perforations | PI: 17681-17806, Date: 8/10/2016, # Shots: 30, Cmmnt: STAGE 1PI: 10424-10565, Date: 12/6/2016, # Shots: 30, Cmmnt: STAGE 42 | | | |
| Stimulations | Date: 8/10/2016, SI: 17681-17806, Fmtn Cd: 364005, Stim In: CS, Type: H2O, Vol: 5336 Bbl, #Prop: 230373, Acid%: 15, MBP: 11545, MTP: 10995, MISIP: 6275, 5SIP: 6080, Cmmnt: STAGE 1/42 STAGES 2-41 SEE IMAGESDate: 12/6/2016, SI: 10424-10565, Fmtn Cd: 364005, Stim In: CS, Type: H2O, Vol: 4521 Bbl, #Prop: 224800, Acid%: 8, MISIP: 7280, 5SIP: 6630, Cmmnt: STAGE 42/42 STAGES 2-43 SEE IMAGES | | | |
| Casing Record | COND 30 0-95-0, Comment: 0, Sks: 422 SURF 18.625 0-295-0, Comment: 0, Sks: 970 II 13.375 0-2275-0, Comment: 0, Sks: 2010 I2* 9.625 0-9208-0, Comment: 0, Sks: 2350 PROD 5.5 0-17992-0, Comment: 0, Sks: 2940 | | | |
| Log Types | | | | |

Formations

| Formation | Top | Bottom | Source | Prod. | Non-Standard | Remarks |
|--------------------------|-------|--------|---------|-------|--------------|---------|
| RHINESTREET SHALE MEMBER | 5160 | | Driller | No | | Gas |
| BIG LIME | 5650 | | Driller | No | | |
| UTICA SHALE | 9975 | | Driller | No | | Gas |
| POINT PLEASANT FORMATION | 10320 | | Driller | Yes | | Gas |

Annual Production

| Year | Quarter | Source | Oil | Gas | Water | Remarks |
|------|---------|--------|-----|---------|-------|---------|
| 2017 | 1st. | RBDMS | 0 | 1081293 | 2695 | |

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WELL SUMMARY

ODNR DIVISION OF OIL & GAS RESOURCES MANAGEMENT

| | | | |
|--|--|-----------------------|------------------|
| API Well Number | 34013208940000 | Permit Issued | 3/18/2015 |
| Well Name | POL PES BL | Acres | 554.63 |
| Well No. | 3H | Date Commenced | 4/27/2015 |
| Owner | ASCENT RESOURCES UTICA LLC | Well No. | |
| Date Completed | 7/8/2015 | | |
| Logging Co. | Renegade Services | Core No. | Sample No. |
| County | BELMONT | Township | PEASE |
| Quadrangle | DILLONVALE | Zone | S |
| Section | 3 | Lot | Tract |
| Twp. Qtr. | | Surface X | 2480971 Y 789168 |
| Bottom X | 2476686 | Y | 795319 |
| Surface Lon | -80.779357 | Lat | 40.154127 |
| Bottom Lon | -80.794267 | Lat | 40.171231 |
| Measured | 403' NL & 1824' WL OF SEC 3(N) [BELMONT CO/PEASE TWP] | Surface X | 2449512 Y 789210 |
| Bottom X | 2445227 | Y | 795361 |
| Target: 270'SL & 2646'EL OF SEC 11 (JEFFERSON CO/MT. PLEASANT TWP) | | Prop TD | 8300 |
| Class | EDPW | Tool | RTAF |
| GL | 1164 DF KB LTD | DTD | 17859 |
| PB Depth | | Date PB | |
| TD Form. | POINT PLEASANT FORMATION | Prod. Form. | |
| Status | Producing | | |
| IP Natural | IP AT 16699 MCF & 18 BW | Initial Rock Pressure | Date Abandoned |
| Perforations | PI: 17465-17590, Date: 11/28/2016, # Shots: 30, Cmmnt: STAGE 1PI: 10229-10390, Date: 12/5/2016, # Shots: 30, Cmmnt: STAGE 37 | | |
| Stimulations | Date: 11/28/2016, SI: 17465-17590, Fmtn Cd: 364005, Stim In: CS, Type: H2O, Vol: 5167 Bbl, #Prop: 230403, Acid%: 8, MBP: 10270, MTP: 1135, MISIP: 6631, 5SIP: 6075, Cmmnt: STAGE 1/37 STAGES 2-36 SEE IMAGES Date: 12/5/2016, SI: 10229-10390, Fmtn Cd: 364005, Stim In: CS, Type: H2O, Vol: 4189 Bbl, #Prop: 231600, Acid%: 8, MBP: 8803, MTP: 9768, MISIP: 5878, 5SIP: 5854, Cmmnt: STAGE 37/37 STAGES 2-36 SEE IMAGES | | |
| Casing Record | COND 30 0-95-0, Comment: 0, Sks: 417 SURF 18.625 0-319-0, Comment: 0, Sks: 770 II 13.375 0-2275-0, Comment: 0, Sks: 1820 I2 9.625 0-9137-0, Comment: 0, Sks: 2350 PROD 5.5 0-17834-0, Comment: 0, Sks: 3905 | | |
| Log Types | Mud Log, sample log, Gamma Ray-Measured while drilling | | |

Formations

| Formation | Top | Bottom | Source | Prod. | Non-Standard | Remarks |
|--------------------------|-------|--------|---------|-------|--------------|---------|
| BIG LIME | 5670 | | Driller | No | | |
| UTICA SHALE | 9962 | | Driller | No | | Gas |
| POINT PLEASANT FORMATION | 10240 | | Driller | No | | Gas |

Annual Production

| Year | Quarter | Source | Oil | Gas | Water | Remarks |
|------|---------|--------|-----|---------|-------|---------|
| 2017 | 1st. | RBDMS | 0 | 1010106 | 3185 | |

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WELL SUMMARY

ODNR DIVISION OF OIL & GAS RESOURCES MANAGEMENT

| | | | |
|--|--|-----------------------|------------------|
| API Well Number | 34013208950000 | Permit Issued | 3/18/2015 |
| Well Name | POL PES BL | Acres | 554.63 |
| Well No. | 5H | Date Commenced | 4/22/2015 |
| Owner | ASCENT RESOURCES UTICA LLC | Well No. | |
| Date Completed | 7/28/2015 | | |
| Logging Co. | Renegade Services, Horizon Mud Logging | Core No. | |
| Sample No. | 5820 | | |
| County | BELMONT | Township | PEASE |
| Quadrangle | DILLONVALE | Zone | S |
| Section | 3 | Lot | Tract |
| Twp. Qtr. | | Surface X | 2480967 Y 789188 |
| Bottom X | 2477551 | Y | 795810 |
| Surface Lon | -80.779370 | Lat | 40.154182 |
| Bottom Lon | -80.791139 | Lat | 40.172534 |
| Measured | 383' NL & 1820' WL OF SEC 3(N) [BELMONT CO/PEASE TWP] | Surface X | 2449508 Y 789230 |
| Bottom X | 2446092 | Y | 795852 |
| Target: 795'SL & 1798'EL OF SEC 11 (JEFFERSON CO/MT. PLEASANT TWP) | | Prop TD | 8300 |
| Class | EDPW | Tool | RTAF |
| GL | 1164 DF KB LTD | DTD | 17343 |
| PB Depth | | Date PB | |
| TD Form. | POINT PLEASANT FORMATION | Prod. Form. | |
| Status | Producing | | |
| IP Natural | IP AT 15798 MCF & 22 BW | Initial Rock Pressure | |
| Date Abandoned | | | |
| Perforations | PI: 17011-17136, Date: 9/20/2016, # Shots: 30, Cmmnt: STAGE IPI: 10081-10214, Date: 11/22/2016, # Shots: 30, Cmmnt: STAGE 43 | | |
| Stimulations | Date: 9/20/2016, SI: 17011-17136, Fmtn Cd: 364005, Stim In: CS, Type: H2O, Vol: 6134 Bbl, #Prop: 231600, Acid%: 8, MBP: 8715, MTP: 10183, MISIP: 6540, 5SIP: 6211, Cmmnt: STAGE 1/43 STAGES 2-42 SEE IMAGESDate: 11/22/2016, SI: 10081-10214, Fmtn Cd: 364005, Stim In: CS, Type: H2O, Vol: 4537 Bbl, #Prop: 232100, Acid%: 15, MBP: 8822, MTP: 10043, MISIP: 5810, 5SIP: 5715, Cmmnt: STAGE 43/43 STAGES 2-42 SEE IMAGESSI: 0-0 | | |
| Casing Record | COND 30 0-75-0, Comment: 0, Sks: 422 SURF 18.625 0-301-0, Comment: 0, Sks: 800 I1 13.375 0-2277-0, Comment: 0, Sks: 1710 I2 9.625 0-8985-0, Comment: 0, Sks: 2310 PROD 5.5 0-17318-0, Comment: 0, Sks: 3845 | | |
| Log Types | Gamma Ray-Measured while drilling, Mud Log, sample log | | |

Formations

| Formation | Top | Bottom | Source | Prod. | Non-Standard | Remarks |
|--------------------------|-------|--------|---------|-------|--------------|---------|
| RHINESTREET SHALE MEMBER | 5130 | | Driller | No | | gas |
| BIG LIME | 5560 | | Driller | No | | |
| UTICA SHALE | 9854 | | Driller | No | | gas |
| POINT PLEASANT FORMATION | 10136 | | Driller | No | | gas |

Annual Production

| Year | Quarter | Source | Oil | Gas | Water | Remarks |
|------|---------|--------|-----|--------|-------|---------|
| 2017 | 1st. | RBDMS | 0 | 935989 | 3281 | |

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WELL SUMMARY

ODNR DIVISION OF OIL & GAS RESOURCES MANAGEMENT

| | | | |
|-----------------|--|--------------------|-----------------------|
| API Well Number | 34081205720000 | Permit Issued | 10/6/2015 |
| Well Name | KRINKE MTP JF | Acres | 654.947 |
| Well No. | 2H | Date Commenced | 6/21/2015 |
| Owner | ASCENT RESOURCES UTICA LLC | Well No. | |
| | | Date Completed | 2/22/2017 |
| Logging Co. | | Core No. | |
| | | Sample No. | |
| County | JEFFERSON | Township | MT. PLEASANT |
| | | Quadrangle | DILLONVALE |
| | | Zone | N |
| Section | 10 | Lot | |
| | | Tract | |
| | | Twp. Qtr. | |
| Measured | 1473'NL & 1577'WL OF SEC 10 (MT PLEASANT TWP/JEFFERSON CO) | | |
| | Target: 374'NL & 509'EL OF SEC 8 (COLERAIN TWP/BELMONT CO) | | |
| | Surface X | 2475549 | Y 186787 |
| | Bottom X | 2478513 | Y 177177 |
| | Surface Lon | -80.798497 | Lat 40.166625 |
| | Bottom Lon | -80.788570 | Lat 40.140092 |
| | Surface X | 2444090 | Y 186817 |
| | Bottom X | 2447054 | Y 177207 |
| | Prop TD | 8700 | Class EDPW |
| | | | Tool RTAF |
| GL | 1219 | DF | KB |
| | LTD | 19330 | DTD |
| | 19407 | PB | Depth |
| | | | Date PB |
| TD Form. | POINT PLEASANT FORMATION | | Prod. Form. |
| | POINT PLEASANT FORMATION | | Status Producing |
| IP Natural | IP | 20018 MCF & 457 BW | Initial Rock Pressure |
| | AT | | Date Abandoned |
| Perforations | PI: 19138-19238, Date: 5/16/2017, # Shots: 18, Cmmnt: STAGE 1PI: 10267-10409, Date: 6/11/2017, # Shots: 30, Cmmnt: STAGE 52 | | |
| Stimulations | Date: 5/16/2017, SI: 19138-19238, Fmtn Cd: 364005, Stim In: CS, Type: H2O, Vol: 6816 Bbl, #Prop: 227560, Acid%: 7, MBP: 11617, MTP: 10688, MISIP: 6737, 5SIP: 5667, Cmmnt: STAGE 1/52 STAGES 2-51 SEE IMAGES Date: 6/11/2017, SI: 10267-10409, Fmtn Cd: 364005, Stim In: CS, Type: H2O, Vol: 6479 Bbl, #Prop: 279480, Acid%: 7, MBP: 8414, MTP: 8954, MISIP: 6783, 5SIP: 6355, Cmmnt: STAGE 52/52 STAGES 2-51 SEE IMAGES | | |
| Casing Record | COND 30 0-70-0, Comment: 0, Sks: 308 SURF 13.375 0-1626-0, Comment: 0, Sks: 1345 I1 9.625 0-8261-0, Comment: 0, Sks: 3040 PROD 5.5 0-19403-0, Comment: 0, Sks: 3805 | | |
| Log Types | | | |

Formations

| Formation | Top | Bottom | Source | Prod. | Non-Standard | Remarks |
|--------------------------|-------|--------|---------|-------|--------------|---------|
| BIG LIME | 5640 | | Driller | No | | |
| SALINA GROUP | 6270 | | Driller | No | | |
| LOCKPORT DOLOMITE | 7260 | | Driller | No | | |
| PACKER SHELL | 7950 | | Driller | No | | |
| QUEENSTON FORMATION | 8310 | | Driller | No | | |
| UTICA SHALE | 10050 | | Driller | No | | |
| POINT PLEASANT FORMATION | 10309 | | Driller | Yes | | |

Annual Production

| Year | Quarter | Source | Oil | Gas | Water | Remarks |
|------|---------|--------|-----|-----|-------|---------|
|------|---------|--------|-----|-----|-------|---------|

WELL SUMMARY

ODNR DIVISION OF OIL & GAS RESOURCES MANAGEMENT

| | | | |
|-----------------|--|--------------------|-----------------------|
| API Well Number | 34081205730000 | Permit Issued | 10/6/2015 |
| Well Name | KRINKE MTP JF | Acres | 678.249 |
| Well No. | 4H | Date Commenced | 6/23/2015 |
| Owner | ASCENT RESOURCES UTICA LLC | Well No. | |
| | | Date Completed | 3/17/2017 |
| Logging Co. | | Core No. | |
| | | Sample No. | |
| County | JEFFERSON | Township | MT. PLEASANT |
| | | Quadrangle | DILLONVALE |
| | | Zone | N |
| Section | 10 | Lot | |
| | | Tract | |
| | | Twp. Qtr. | |
| Measured | 1465'NL & 1596'WL OF SEC 10 (MT PLEASANT TWP/JEFFERSON CO) | | |
| | Surface X 2475568 Y 186794 Bottom X 2478861 Y 178582 NAD27 | | |
| | Surface Lon -80.798429 Lat 40.166643 Bottom Lon -80.787227 Lat 40.143929 NAD27 | | |
| | Surface X 2444109 Y 186824 Bottom X 2447402 Y 178612 NAD83 SPS | | |
| | Target: 1041'SL & 205'EL OF SEC 9 (COLERAIN TWP/BELMONT CO) | | |
| | Prop TD | 8700 | Class EDPW Tool RTAF |
| GL | 1219 | DF | KB |
| | LTD | 19140 | DTD |
| | 19267 | PB Depth | Date PB |
| TD Form. | POINT PLEASANT FORMATION | | Prod. Form. |
| | POINT PLEASANT FORMATION | Status | Producing |
| IP Natural | IP AT | 20996 MCF & 380 BW | Initial Rock Pressure |
| | | | Date Abandoned |
| Perforations | PI: 18993-19097, Date: 5/15/2017, # Shots: 18, Cmmnt: STAGE 1PI: 10317-10459, Date: 6/11/2017, # Shots: 30, Cmmnt: STAGE 50 | | |
| Stimulations | Date: 5/15/2017, SI: 18993-19097, Fmtn Cd: 364005, Stim In: CS, Type: H2O, Vol: 5390 Bbl, #Prop: 230420, Acid%: 15, MBP: 10421, MTP: 10837, MISIP: 6864, 5SIP: 6102, Cmmnt: STAGE 1/50 STAGES 2-49 SEE IMAGESDate: 6/11/2017, SI: 10317-10459, Fmtn Cd: 364005, Stim In: CS, Type: H2O, Vol: 5206 Bbl, #Prop: 230340, Acid%: 7, MBP: 8271, MTP: 9513, MISIP: 7354, 5SIP: 6606, Cmmnt: STAGE 50/50 STAGES 2-49 SEE IMAGES | | |
| Casing Record | SURF 0-13-0, Comment: 0, Sks: 1280 COND 0-70-0, Comment: 0, Sks: 308 II 0-9052-0, Comment: 0, Sks: 1872 PROD 0-19242-0, Comment: 0, Sks: 3746 | | |
| Log Types | | | |

Formations

| Formation | Top | Bottom | Source | Prod. | Non-Standard | Remarks |
|--------------------------|------|--------|---------|-------|--------------|---------|
| BIG LIME | 5530 | | Driller | No | | |
| SALINA A | 6180 | | Driller | No | | |
| LOCKPORT DOLOMITE | 7153 | | Driller | No | | |
| PACKER SHELL | 7840 | | Driller | No | | |
| QUEENSTON FORMATION | 8130 | | Driller | No | | |
| UTICA SHALE | 9815 | | Driller | No | | |
| POINT PLEASANT FORMATION | 9986 | | Driller | Yes | | |

Annual Production

| Year | Quarter | Source | Oil | Gas | Water | Remarks |
|------|---------|--------|-----|-----|-------|---------|
|------|---------|--------|-----|-----|-------|---------|

WELL SUMMARY

ODNR DIVISION OF OIL & GAS RESOURCES MANAGEMENT

| | | | |
|-----------------|---|-----------------------|--------------------------|
| API Well Number | 34081205740000 | Permit Issued | 10/6/2015 |
| Well Name | KRINKE MTP JF | Acres | 678.249 |
| Well No. | 6H | Date Commenced | 3/18/2017 |
| Owner | ASCENT RESOURCES UTICA LLC | Well No. | |
| | | Date Completed | 4/17/2017 |
| Logging Co. | | Core No. | |
| | | Sample No. | |
| County | JEFFERSON | Township | MT. PLEASANT |
| | | Quadrangle | DILLONVALE |
| | | Zone | N |
| Section | 10 | Lot | Tract |
| | | Twp. Qtr. | |
| Measured | 1457'NL & 1614'WL OF SEC 10 (MT PLEASANT TWP/JEFFERSON CO) | Surface X | 2475586 Y 186802 |
| | | Bottom X | 2479722 Y 179074 |
| | | Surface Lon | -80.798364 Lat 40.166664 |
| | | Bottom Lon | -80.784113 Lat 40.145233 |
| | | Surface X | 2444127 Y 186832 |
| | | Bottom X | 2448263 Y 179104 |
| | | Prop TD | 8700 |
| | | Class | EDPW |
| | | Tool | RTAF |
| GL | 1219 DF KB | LTD | 19060 DTD |
| | | 19185 | PB Depth |
| | | | Date PB |
| TD Form. | POINT PLEASANT FORMATION | Prod. Form. | POINT PLEASANT FORMATION |
| | | Status | Producing |
| IP Natural | IP AT 19503 MCF & 279 BW | Initial Rock Pressure | |
| | | Date Abandoned | |
| Perforations | PI: 18911-19016, Date: 5/16/2017, # Shots: 18, Cmmnt: STAGE IPI: 10239-10521, Date: 5/31/2017, # Shots: 60, Cmmnt: STAGE 26 | | |
| Stimulations | Date: 5/16/2017, SI: 18911-19016, Fmtn Cd: 364005, Stim In: CS, Type: H2O, Vol: 5629 Bbl, #Prop: 230140, Acid%: 7, MBP: 9471, MTP: 10780, MISIP: 7287, 5SIP: 6011, Cmmnt: STAGE 1/26 STAGES 2-25 SEE IMAGES Date: 5/31/2017, SI: 10239-10521, Fmtn Cd: 364005, Stim In: CS, Type: H2O, Vol: 10617 Bbl, #Prop: 374600, Acid%: 7, MBP: 7422, MTP: 10214, MISIP: 8012, 5SIP: 6873, Cmmnt: STAGE 26/26 STAGES 2-25 SEE IMAGES | | |
| Casing Record | COND 30 0-95-0, Comment: 0, Sks: 308 SURF 13.375 0-1280-0, Comment: 0, Sks: 1280 II 9.625 0-8987-0, Comment: 0, Sks: 1256 PROD 5.5 0-19159-0, Comment: 0, Sks: 3471 | | |
| Log Types | | | |

Formations

| Formation | Top | Bottom | Source | Prod. | Non-Standard | Remarks |
|--------------------------|------|--------|---------|-------|--------------|---------|
| BIG LIME | 5490 | | Driller | No | | |
| SALINA G | 6143 | | Driller | No | | |
| LOCKPORT DOLOMITE | 7110 | | Driller | No | | |
| PACKER SHELL | 7779 | | Driller | No | | |
| QUEENSTON FORMATION | 8100 | | Driller | No | | |
| UTICA SHALE | 9747 | | Driller | No | | |
| POINT PLEASANT FORMATION | 9900 | | Driller | Yes | | |

Annual Production

| Year | Quarter | Source | Oil | Gas | Water | Remarks |
|------|---------|--------|-----|-----|-------|---------|
|------|---------|--------|-----|-----|-------|---------|

WELL SUMMARY

ODNR DIVISION OF OIL & GAS RESOURCES MANAGEMENT

| | | | |
|-----------------|--|--------------------|-----------------------|
| API Well Number | 34081205720000 | Permit Issued | 10/6/2015 |
| Well Name | KRINKE MTP JF | Acres | 654.947 |
| Well No. | 2H | Date Commenced | 6/21/2015 |
| Owner | ASCENT RESOURCES UTICA LLC | Well No. | |
| | | Date Completed | 2/22/2017 |
| Logging Co. | | Core No. | |
| | | Sample No. | |
| County | JEFFERSON | Township | MT. PLEASANT |
| | | Quadrangle | DILLONVALE |
| | | Zone | N |
| Section | 10 | Lot | |
| | | Tract | |
| | | Twp. Qtr. | |
| Measured | 1473'NL & 1577'WL OF SEC 10 (MT PLEASANT TWP/JEFFERSON CO) | | |
| | Target: 374'NL & 509'EL OF SEC 8 (COLERAIN TWP/BELMONT CO) | | |
| | Surface X | 2475549 | Y 186787 |
| | Bottom X | 2478513 | Y 177177 |
| | Surface Lon | -80.798497 | Lat 40.166625 |
| | Bottom Lon | -80.788570 | Lat 40.140092 |
| | Surface X | 2444090 | Y 186817 |
| | Bottom X | 2447054 | Y 177207 |
| | Prop TD | 8700 | Class EDPW |
| | | | Tool RTAF |
| GL | 1219 | DF | KB |
| | LTD | 19330 | DTD |
| | 19407 | PB | Depth |
| | | | Date PB |
| TD Form. | POINT PLEASANT FORMATION | | Prod. Form. |
| | POINT PLEASANT FORMATION | | Status Producing |
| IP Natural | IP | 20018 MCF & 457 BW | Initial Rock Pressure |
| | AT | | Date Abandoned |
| Perforations | PI: 19138-19238, Date: 5/16/2017, # Shots: 18, Cmmnt: STAGE 1PI: 10267-10409, Date: 6/11/2017, # Shots: 30, Cmmnt: STAGE 52 | | |
| Stimulations | Date: 5/16/2017, SI: 19138-19238, Fmtn Cd: 364005, Stim In: CS, Type: H2O, Vol: 6816 Bbl, #Prop: 227560, Acid%: 7, MBP: 11617, MTP: 10688, MISIP: 6737, 5SIP: 5667, Cmmnt: STAGE 1/52 STAGES 2-51 SEE IMAGES Date: 6/11/2017, SI: 10267-10409, Fmtn Cd: 364005, Stim In: CS, Type: H2O, Vol: 6479 Bbl, #Prop: 279480, Acid%: 7, MBP: 8414, MTP: 8954, MISIP: 6783, 5SIP: 6355, Cmmnt: STAGE 52/52 STAGES 2-51 SEE IMAGES | | |
| Casing Record | COND 30 0-70-0, Comment: 0, Sks: 308 SURF 13.375 0-1626-0, Comment: 0, Sks: 1345 I1 9.625 0-8261-0, Comment: 0, Sks: 3040 PROD 5.5 0-19403-0, Comment: 0, Sks: 3805 | | |
| Log Types | | | |

Formations

| Formation | Top | Bottom | Source | Prod. | Non-Standard | Remarks |
|--------------------------|-------|--------|---------|-------|--------------|---------|
| BIG LIME | 5640 | | Driller | No | | |
| SALINA GROUP | 6270 | | Driller | No | | |
| LOCKPORT DOLOMITE | 7260 | | Driller | No | | |
| PACKER SHELL | 7950 | | Driller | No | | |
| QUEENSTON FORMATION | 8310 | | Driller | No | | |
| UTICA SHALE | 10050 | | Driller | No | | |
| POINT PLEASANT FORMATION | 10309 | | Driller | Yes | | |

Annual Production

| Year | Quarter | Source | Oil | Gas | Water | Remarks |
|------|---------|--------|-----|-----|-------|---------|
|------|---------|--------|-----|-----|-------|---------|

WELL SUMMARY

ODNR DIVISION OF OIL & GAS RESOURCES MANAGEMENT

| | | | |
|-----------------|--|--------------------|--------------------------|
| API Well Number | 34081205730000 | Permit Issued | 10/6/2015 |
| Well Name | KRINKE MTP JF | Acres | 678.249 |
| Well No. | 4H | Date Commenced | 6/23/2015 |
| Owner | ASCENT RESOURCES UTICA LLC | Well No. | |
| | | Date Completed | 3/17/2017 |
| Logging Co. | | Core No. | |
| | | Sample No. | |
| County | JEFFERSON | Township | MT. PLEASANT |
| | | Quadrangle | DILLONVALE |
| | | Zone | N |
| Section | 10 | Lot | |
| | | Tract | |
| | | Twp. Qtr. | |
| Measured | 1465'NL & 1596'WL OF SEC 10 (MT PLEASANT TWP/JEFFERSON CO) | | |
| | Surface X | 2475568 | Y 186794 |
| | Bottom X | 2478861 | Y 178582 |
| | Surface Lon | -80.798429 | Lat 40.166643 |
| | Bottom Lon | -80.787227 | Lat 40.143929 |
| | Surface X | 2444109 | Y 186824 |
| | Bottom X | 2447402 | Y 178612 |
| | | | NAD83 SPS |
| | Target: 1041'SL & 205'EL OF SEC 9 (COLERAIN TWP/BELMONT CO) | Prop TD | 8700 |
| | | Class | EDPW |
| | | Tool | RTAF |
| GL | 1219 | DF | KB |
| | LTD | 19140 | DTD |
| | 19267 | PB | Depth |
| | | Date | PB |
| TD Form. | POINT PLEASANT FORMATION | Prod. Form. | POINT PLEASANT FORMATION |
| | | Status | Producing |
| IP Natural | IP AT | 20996 MCF & 380 BW | Initial Rock Pressure |
| | | | Date Abandoned |
| Perforations | PI: 18993-19097, Date: 5/15/2017, # Shots: 18, Cmmnt: STAGE 1PI: 10317-10459, Date: 6/11/2017, # Shots: 30, Cmmnt: STAGE 50 | | |
| Stimulations | Date: 5/15/2017, SI: 18993-19097, Fmtn Cd: 364005, Stim In: CS, Type: H2O, Vol: 5390 Bbl, #Prop: 230420, Acid%: 15, MBP: 10421, MTP: 10837, MISIP: 6864, 5SIP: 6102, Cmmnt: STAGE 1/50 STAGES 2-49 SEE IMAGESDate: 6/11/2017, SI: 10317-10459, Fmtn Cd: 364005, Stim In: CS, Type: H2O, Vol: 5206 Bbl, #Prop: 230340, Acid%: 7, MBP: 8271, MTP: 9513, MISIP: 7354, 5SIP: 6606, Cmmnt: STAGE 50/50 STAGES 2-49 SEE IMAGES | | |
| Casing Record | SURF 0-13-0, Comment: 0, Sks: 1280 COND 0-70-0, Comment: 0, Sks: 308 II 0-9052-0, Comment: 0, Sks: 1872 PROD 0-19242-0, Comment: 0, Sks: 3746 | | |
| Log Types | | | |

Formations

| Formation | Top | Bottom | Source | Prod. | Non-Standard | Remarks |
|--------------------------|------|--------|---------|-------|--------------|---------|
| BIG LIME | 5530 | | Driller | No | | |
| SALINA A | 6180 | | Driller | No | | |
| LOCKPORT DOLOMITE | 7153 | | Driller | No | | |
| PACKER SHELL | 7840 | | Driller | No | | |
| QUEENSTON FORMATION | 8130 | | Driller | No | | |
| UTICA SHALE | 9815 | | Driller | No | | |
| POINT PLEASANT FORMATION | 9986 | | Driller | Yes | | |

Annual Production

| Year | Quarter | Source | Oil | Gas | Water | Remarks |
|------|---------|--------|-----|-----|-------|---------|
|------|---------|--------|-----|-----|-------|---------|

WELL SUMMARY

ODNR DIVISION OF OIL & GAS RESOURCES MANAGEMENT

| | | | |
|-----------------|---|-----------------------|--------------------------|
| API Well Number | 34081205740000 | Permit Issued | 10/6/2015 |
| Well Name | KRINKE MTP JF | Acres | 678.249 |
| Well No. | 6H | Date Commenced | 3/18/2017 |
| Owner | ASCENT RESOURCES UTICA LLC | Well No. | |
| | | Date Completed | 4/17/2017 |
| Logging Co. | | Core No. | |
| | | Sample No. | |
| County | JEFFERSON | Township | MT. PLEASANT |
| | | Quadrangle | DILLONVALE |
| | | Zone | N |
| Section | 10 | Lot | |
| | | Tract | |
| | | Twp. Qtr. | |
| Measured | 1457'NL & 1614'WL OF SEC 10 (MT PLEASANT TWP/JEFFERSON CO) | Surface X | 2475586 Y 186802 |
| | | Bottom X | 2479722 Y 179074 |
| | | Surface Lon | -80.798364 Lat 40.166664 |
| | | Bottom Lon | -80.784113 Lat 40.145233 |
| | | Surface X | 2444127 Y 186832 |
| | | Bottom X | 2448263 Y 179104 |
| | | Class | EDPW |
| | | Tool | RTAF |
| Target: | 1568'SL & 643'WL OF SEC 3 (PEASE TWP/BELMONT CO) | Prop TD | 8700 |
| GL | 1219 DF KB LTD 19060 DTD 19185 | PB Depth | |
| | | Date PB | |
| TD Form. | POINT PLEASANT FORMATION | Prod. Form. | POINT PLEASANT FORMATION |
| | | Status | Producing |
| IP Natural | IP AT 19503 MCF & 279 BW | Initial Rock Pressure | |
| | | Date Abandoned | |
| Perforations | PI: 18911-19016, Date: 5/16/2017, # Shots: 18, Cmmnt: STAGE IPI: 10239-10521, Date: 5/31/2017, # Shots: 60, Cmmnt: STAGE 26 | | |
| Stimulations | Date: 5/16/2017, SI: 18911-19016, Fmtn Cd: 364005, Stim In: CS, Type: H2O, Vol: 5629 Bbl, #Prop: 230140, Acid%: 7, MBP: 9471, MTP: 10780, MISIP: 7287, 5SIP: 6011, Cmmnt: STAGE 1/26 STAGES 2-25 SEE IMAGES Date: 5/31/2017, SI: 10239-10521, Fmtn Cd: 364005, Stim In: CS, Type: H2O, Vol: 10617 Bbl, #Prop: 374600, Acid%: 7, MBP: 7422, MTP: 10214, MISIP: 8012, 5SIP: 6873, Cmmnt: STAGE 26/26 STAGES 2-25 SEE IMAGES | | |
| Casing Record | COND 30 0-95-0, Comment: 0, Sks: 308 SURF 13.375 0-1280-0, Comment: 0, Sks: 1280 II 9.625 0-8987-0, Comment: 0, Sks: 1256 PROD 5.5 0-19159-0, Comment: 0, Sks: 3471 | | |
| Log Types | | | |

Formations

| Formation | Top | Bottom | Source | Prod. | Non-Standard | Remarks |
|--------------------------|------|--------|---------|-------|--------------|---------|
| BIG LIME | 5490 | | Driller | No | | |
| SALINA G | 6143 | | Driller | No | | |
| LOCKPORT DOLOMITE | 7110 | | Driller | No | | |
| PACKER SHELL | 7779 | | Driller | No | | |
| QUEENSTON FORMATION | 8100 | | Driller | No | | |
| UTICA SHALE | 9747 | | Driller | No | | |
| POINT PLEASANT FORMATION | 9900 | | Driller | Yes | | |

Annual Production

| Year | Quarter | Source | Oil | Gas | Water | Remarks |
|------|---------|--------|-----|-----|-------|---------|
|------|---------|--------|-----|-----|-------|---------|

APPENDIX G

Environmental Records Database Report

Mt. Pleasant Water Line

243 Union St.

Dillonvale, OH 43917

Inquiry Number: 5026309.2s

August 18, 2017

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
 Please contact EDR at 1-800-352-0050
 with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

243 UNION ST.
DILLONVALE, OH 43917

COORDINATES

| | |
|--------------------------------|-----------------------------|
| Latitude (North): | 40.1754760 - 40° 10' 31.71" |
| Longitude (West): | 80.7987560 - 80° 47' 55.52" |
| Universal Transverse Mercator: | Zone 17 |
| UTM X (Meters): | 517134.5 |
| UTM Y (Meters): | 4447042.5 |
| Elevation: | 1238 ft. above sea level |

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

| | |
|----------------------|------------------------|
| Target Property Map: | 5965980 DILLONVALE, OH |
| Version Date: | 2013 |

AERIAL PHOTOGRAPHY IN THIS REPORT

| | |
|-------------------------|------------------------------|
| Portions of Photo from: | 20150725, 20150813, 20150828 |
| Source: | USDA |

MAPPED SITES SUMMARY

Target Property Address:
243 UNION ST.
DILLONVALE, OH 43917

Click on Map ID to see full detail.

| <u>MAP ID</u> | <u>SITE NAME</u> | <u>ADDRESS</u> | <u>DATABASE ACRONYMS</u> | <u>RELATIVE ELEVATION</u> | <u>DIST (ft. & mi.) DIRECTION</u> |
|---------------|------------------|----------------|--------------------------|---------------------------|---------------------------------------|
|---------------|------------------|----------------|--------------------------|---------------------------|---------------------------------------|

NO MAPPED SITES FOUND

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List

EXECUTIVE SUMMARY

US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

SHWS..... This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

DERR..... Division of Environmental Response and Revitalization Database

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Licensed Solid Waste Facilities

State and tribal leaking storage tank lists

LUST..... Leaking Underground Storage Tank File

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

UNREG LTANKS..... Ohio Leaking UST File

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing

UST..... Underground Storage Tank File

AST..... Above Ground Storage Tanks

INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

HIST ENG CONTROLS..... Operation & Maintenance Agreements Database

HIST INST CONTROLS..... Institutional Controls Database

ENG CONTROLS..... Sites with Engineering Controls

INST CONTROL..... Sites with Institutional Engineering Controls

State and tribal voluntary cleanup sites

VCP..... Voluntary Action Program Sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Ohio Brownfield Inventory

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY..... Recycling Facility Listing

EXECUTIVE SUMMARY

| | |
|----------------------|---|
| HIST LF..... | Old Solid Waste Landfill |
| INDIAN ODI..... | Report on the Status of Open Dumps on Indian Lands |
| DEBRIS REGION 9..... | Torres Martinez Reservation Illegal Dump Site Locations |
| ODI..... | Open Dump Inventory |
| IHS OPEN DUMPS..... | Open Dumps on Indian Land |

Local Lists of Hazardous waste / Contaminated Sites

| | |
|------------------|---|
| US HIST CDL..... | Delisted National Clandestine Laboratory Register |
| CDL..... | Clandestine Drug Lab Locations |
| US CDL..... | National Clandestine Laboratory Register |

Local Lists of Registered Storage Tanks

| | |
|------------------|---|
| ARCHIVE UST..... | Archived Underground Storage Tank Sites |
|------------------|---|

Local Land Records

| | |
|--------------|-------------------------|
| LIENS 2..... | CERCLA Lien Information |
|--------------|-------------------------|

Records of Emergency Release Reports

| | |
|----------------|--|
| HMIRS..... | Hazardous Materials Information Reporting System |
| SPILLS..... | Emergency Response Database |
| SPILLS 90..... | SPILLS 90 data from FirstSearch |
| SPILLS 80..... | SPILLS 80 data from FirstSearch |

Other Ascertainable Records

| | |
|------------------------|---|
| RCRA NonGen / NLR..... | RCRA - Non Generators / No Longer Regulated |
| FUDS..... | Formerly Used Defense Sites |
| DOD..... | Department of Defense Sites |
| SCRD DRYCLEANERS..... | State Coalition for Remediation of Drycleaners Listing |
| US FIN ASSUR..... | Financial Assurance Information |
| EPA WATCH LIST..... | EPA WATCH LIST |
| 2020 COR ACTION..... | 2020 Corrective Action Program List |
| TSCA..... | Toxic Substances Control Act |
| TRIS..... | Toxic Chemical Release Inventory System |
| SSTS..... | Section 7 Tracking Systems |
| ROD..... | Records Of Decision |
| RMP..... | Risk Management Plans |
| RAATS..... | RCRA Administrative Action Tracking System |
| PRP..... | Potentially Responsible Parties |
| PADS..... | PCB Activity Database System |
| ICIS..... | Integrated Compliance Information System |
| FTTS..... | FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) |
| MLTS..... | Material Licensing Tracking System |
| COAL ASH DOE..... | Steam-Electric Plant Operation Data |
| COAL ASH EPA..... | Coal Combustion Residues Surface Impoundments List |
| PCB TRANSFORMER..... | PCB Transformer Registration Database |
| RADINFO..... | Radiation Information Database |
| HIST FTTS..... | FIFRA/TSCA Tracking System Administrative Case Listing |
| DOT OPS..... | Incident and Accident Data |
| CONSENT..... | Superfund (CERCLA) Consent Decrees |

EXECUTIVE SUMMARY

| | |
|---------------------|--|
| INDIAN RESERV. | Indian Reservations |
| FUSRAP | Formerly Utilized Sites Remedial Action Program |
| UMTRA | Uranium Mill Tailings Sites |
| LEAD SMELTERS | Lead Smelter Sites |
| US AIRS | Aerometric Information Retrieval System Facility Subsystem |
| US MINES | Mines Master Index File |
| ABANDONED MINES | Abandoned Mines |
| FINDS | Facility Index System/Facility Registry System |
| ECHO | Enforcement & Compliance History Information |
| DOCKET HWC | Hazardous Waste Compliance Docket Listing |
| UXO | Unexploded Ordnance Sites |
| FUELS PROGRAM | EPA Fuels Program Registered Listing |
| AIRS | Title V Permits Listing |
| COAL ASH | Coal Ash Disposal Site Listing |
| CRO | Cessation of Regulated Operations Facility Listing |
| DRYCLEANERS | Drycleaner Facility Listing |
| Financial Assurance | Financial Assurance Information Listing |
| HIST USD | Urban Setting Designations Database |
| LEAD | Lead Inspections Listing |
| NPDES | NPDES General Permit List |
| TOWNGAS | DERR Towngas Database |
| UIC | Underground Injection Wells Listing |
| USD | Urban Setting Designation Sites |

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

| | |
|------------------|---|
| EDR MGP | EDR Proprietary Manufactured Gas Plants |
| EDR Hist Auto | EDR Exclusive Historic Gas Stations |
| EDR Hist Cleaner | EDR Exclusive Historic Dry Cleaners |

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

| | |
|----------|---|
| RGA LF | Recovered Government Archive Solid Waste Facilities List |
| RGA LUST | Recovered Government Archive Leaking Underground Storage Tank |

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

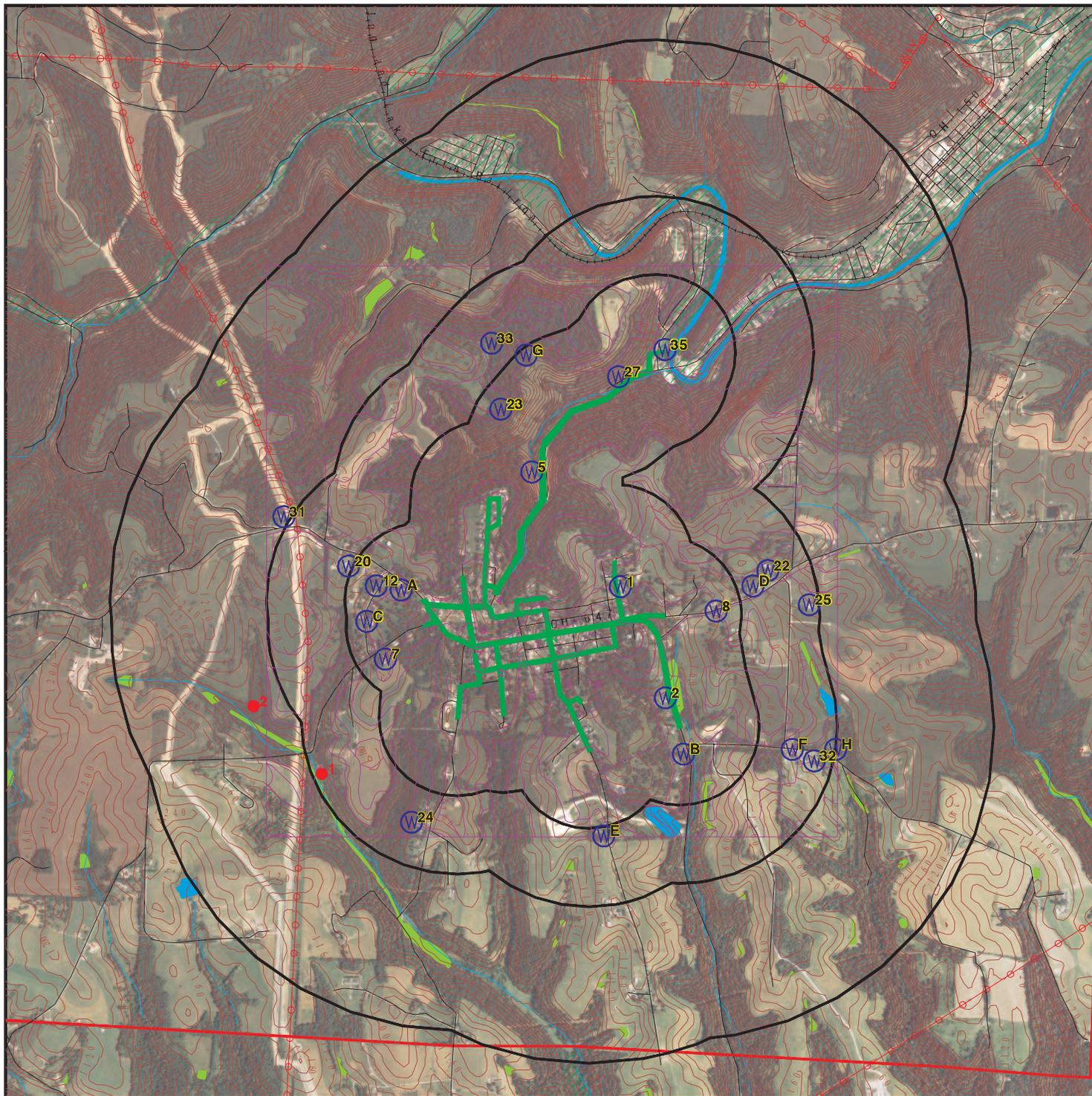
Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 4 records.

| <u>Site Name</u> | <u>Database(s)</u> |
|--------------------------------|--------------------|
| FORMER BEDWAY COAL/ORPHAN TANK | LUST, UST |
| DELONGS MOBIL | LUST, UST |
| MOUNT PLEASANT WATER AUTHORITY | SPILLS |
| DILLONVALE SCHOOL BLDGS | DERR |

OVERVIEW MAP - 5026309.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites



Indian Reservations BIA

County Boundary

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

Upgradient Area



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Mt. Pleasant Water Line
 ADDRESS: 243 Union St.
 Dillonvale OH 43917
 LAT/LONG: 40.175476 / 80.798756

CLIENT: Hull & Associates, Inc.
 CONTACT: Nick Kasper
 INQUIRY #: 5026309.2s
 DATE: August 18, 2017 10:35 am

DETAIL MAP - 5026309.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  Power transmission lines
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Mt. Pleasant Water Line
 ADDRESS: 243 Union St.
 Dillonvale OH 43917
 LAT/LONG: 40.175476 / 80.798756

CLIENT: Hull & Associates, Inc.
 CONTACT: Nick Kasper
 INQUIRY #: 5026309.2s
 DATE: August 18, 2017 10:36 am

MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|--|-------------------------------|--------------------|-------|-----------|-----------|---------|-----|------------------|
| STANDARD ENVIRONMENTAL RECORDS | | | | | | | | |
| <i>Federal NPL site list</i> | | | | | | | | |
| NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| Proposed NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| NPL LIENS | TP | | NR | NR | NR | NR | NR | 0 |
| <i>Federal Delisted NPL site list</i> | | | | | | | | |
| Delisted NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| <i>Federal CERCLIS list</i> | | | | | | | | |
| FEDERAL FACILITY | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| SEMS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>Federal CERCLIS NFRAP site list</i> | | | | | | | | |
| SEMS-ARCHIVE | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>Federal RCRA CORRACTS facilities list</i> | | | | | | | | |
| CORRACTS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| <i>Federal RCRA non-CORRACTS TSD facilities list</i> | | | | | | | | |
| RCRA-TSDF | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>Federal RCRA generators list</i> | | | | | | | | |
| RCRA-LQG | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| RCRA-SQG | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| RCRA-CESQG | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| <i>Federal institutional controls / engineering controls registries</i> | | | | | | | | |
| LUCIS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US ENG CONTROLS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US INST CONTROL | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>Federal ERNS list</i> | | | | | | | | |
| ERNS | TP | | NR | NR | NR | NR | NR | 0 |
| <i>State- and tribal - equivalent CERCLIS</i> | | | | | | | | |
| SHWS | N/A | | N/A | N/A | N/A | N/A | N/A | N/A |
| DERR | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| <i>State and tribal landfill and/or solid waste disposal site lists</i> | | | | | | | | |
| SWF/LF | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>State and tribal leaking storage tank lists</i> | | | | | | | | |
| LUST | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| INDIAN LUST | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| UNREG LTANKS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |

MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|-------------------------------|--------------------|-------|-----------|-----------|---------|-----|------------------|
| <i>State and tribal registered storage tank lists</i> | | | | | | | | |
| FEMA UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| AST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| INDIAN UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| <i>State and tribal institutional control / engineering control registries</i> | | | | | | | | |
| HIST ENG CONTROLS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| HIST INST CONTROLS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ENG CONTROLS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| INST CONTROL | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>State and tribal voluntary cleanup sites</i> | | | | | | | | |
| VCP | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| INDIAN VCP | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>State and tribal Brownfields sites</i> | | | | | | | | |
| BROWNFIELDS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <u>ADDITIONAL ENVIRONMENTAL RECORDS</u> | | | | | | | | |
| <i>Local Brownfield lists</i> | | | | | | | | |
| US BROWNFIELDS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>Local Lists of Landfill / Solid Waste Disposal Sites</i> | | | | | | | | |
| SWRCY | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| HIST LF | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| INDIAN ODI | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| DEBRIS REGION 9 | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ODI | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| IHS OPEN DUMPS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>Local Lists of Hazardous waste / Contaminated Sites</i> | | | | | | | | |
| US HIST CDL | TP | | NR | NR | NR | NR | NR | 0 |
| CDL | TP | | NR | NR | NR | NR | NR | 0 |
| US CDL | TP | | NR | NR | NR | NR | NR | 0 |
| <i>Local Lists of Registered Storage Tanks</i> | | | | | | | | |
| ARCHIVE UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| <i>Local Land Records</i> | | | | | | | | |
| LIENS 2 | TP | | NR | NR | NR | NR | NR | 0 |
| <i>Records of Emergency Release Reports</i> | | | | | | | | |
| HMIRS | TP | | NR | NR | NR | NR | NR | 0 |
| SPILLS | TP | | NR | NR | NR | NR | NR | 0 |

MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|------------------------------------|-------------------------|-----------------|-------|-----------|-----------|---------|-----|---------------|
| SPILLS 90 | TP | | NR | NR | NR | NR | NR | 0 |
| SPILLS 80 | TP | | NR | NR | NR | NR | NR | 0 |
| Other Ascertainable Records | | | | | | | | |
| RCRA NonGen / NLR | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| FUDS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| DOD | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| SCRD DRYCLEANERS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US FIN ASSUR | TP | | NR | NR | NR | NR | NR | 0 |
| EPA WATCH LIST | TP | | NR | NR | NR | NR | NR | 0 |
| 2020 COR ACTION | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| TSCA | TP | | NR | NR | NR | NR | NR | 0 |
| TRIS | TP | | NR | NR | NR | NR | NR | 0 |
| SSTS | TP | | NR | NR | NR | NR | NR | 0 |
| ROD | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| RMP | TP | | NR | NR | NR | NR | NR | 0 |
| RAATS | TP | | NR | NR | NR | NR | NR | 0 |
| PRP | TP | | NR | NR | NR | NR | NR | 0 |
| PADS | TP | | NR | NR | NR | NR | NR | 0 |
| ICIS | TP | | NR | NR | NR | NR | NR | 0 |
| FTTS | TP | | NR | NR | NR | NR | NR | 0 |
| MLTS | TP | | NR | NR | NR | NR | NR | 0 |
| COAL ASH DOE | TP | | NR | NR | NR | NR | NR | 0 |
| COAL ASH EPA | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| PCB TRANSFORMER | TP | | NR | NR | NR | NR | NR | 0 |
| RADINFO | TP | | NR | NR | NR | NR | NR | 0 |
| HIST FTTS | TP | | NR | NR | NR | NR | NR | 0 |
| DOT OPS | TP | | NR | NR | NR | NR | NR | 0 |
| CONSENT | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| INDIAN RESERV | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| FUSRAP | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| UMTRA | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| LEAD SMELTERS | TP | | NR | NR | NR | NR | NR | 0 |
| US AIRS | TP | | NR | NR | NR | NR | NR | 0 |
| US MINES | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| ABANDONED MINES | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| FINDS | TP | | NR | NR | NR | NR | NR | 0 |
| ECHO | TP | | NR | NR | NR | NR | NR | 0 |
| DOCKET HWC | TP | | NR | NR | NR | NR | NR | 0 |
| UXO | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| FUELS PROGRAM | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| AIRS | TP | | NR | NR | NR | NR | NR | 0 |
| COAL ASH | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| CRO | TP | | NR | NR | NR | NR | NR | 0 |
| DRYCLEANERS | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| Financial Assurance | TP | | NR | NR | NR | NR | NR | 0 |
| HIST USD | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| LEAD | TP | | NR | NR | NR | NR | NR | 0 |
| NPDES | TP | | NR | NR | NR | NR | NR | 0 |
| TOWNGAS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| UIC | TP | | NR | NR | NR | NR | NR | 0 |

MAP FINDINGS SUMMARY

| <u>Database</u> | <u>Search Distance (Miles)</u> | <u>Target Property</u> | <u>< 1/8</u> | <u>1/8 - 1/4</u> | <u>1/4 - 1/2</u> | <u>1/2 - 1</u> | <u>> 1</u> | <u>Total Plotted</u> |
|--|--------------------------------|------------------------|-----------------|------------------|------------------|----------------|---------------|----------------------|
| USD | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <u>EDR HIGH RISK HISTORICAL RECORDS</u> | | | | | | | | |
| <i>EDR Exclusive Records</i> | | | | | | | | |
| EDR MGP | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| EDR Hist Auto | 0.125 | | 0 | NR | NR | NR | NR | 0 |
| EDR Hist Cleaner | 0.125 | | 0 | NR | NR | NR | NR | 0 |
| <u>EDR RECOVERED GOVERNMENT ARCHIVES</u> | | | | | | | | |
| <i>Exclusive Recovered Govt. Archives</i> | | | | | | | | |
| RGA LF | TP | | NR | NR | NR | NR | NR | 0 |
| RGA LUST | TP | | NR | NR | NR | NR | NR | 0 |
| - Totals -- | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

N/A = This State does not maintain a SHWS list. See the Federal CERCLIS list.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NO SITES FOUND

Count: 4 records.

ORPHAN SUMMARY

| City | EDR ID | Site Name | Site Address | Zip | Database(s) |
|----------------|------------|--------------------------------|---------------|-------|-------------|
| ADENA | U004208219 | FORMER BEDWAY COAL/ORPHAN TANK | 212 MAIN ST | 43901 | LUST, UST |
| ADENA | U004208203 | DELONGS MOBIL | W MAIN | 43901 | LUST, UST |
| DILLONVALE | S109496740 | DILLONVALE SCHOOL BLDGS | SCHOOL ST | 43917 | DERR |
| MOUNT PLEASANT | S115814115 | MOUNT PLEASANT WATER AUTHORITY | 283 MARKET ST | | SPILLS |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

| | |
|---|--|
| Date of Government Version: 04/05/2017 | Source: EPA |
| Date Data Arrived at EDR: 04/21/2017 | Telephone: N/A |
| Date Made Active in Reports: 05/12/2017 | Last EDR Contact: 07/07/2017 |
| Number of Days to Update: 21 | Next Scheduled EDR Contact: 10/16/2017 |
| | Data Release Frequency: Quarterly |

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

| | |
|---|--|
| Date of Government Version: 04/05/2017 | Source: EPA |
| Date Data Arrived at EDR: 04/21/2017 | Telephone: N/A |
| Date Made Active in Reports: 05/12/2017 | Last EDR Contact: 07/07/2017 |
| Number of Days to Update: 21 | Next Scheduled EDR Contact: 10/16/2017 |
| | Data Release Frequency: Quarterly |

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

| | |
|---|---|
| Date of Government Version: 10/15/1991 | Source: EPA |
| Date Data Arrived at EDR: 02/02/1994 | Telephone: 202-564-4267 |
| Date Made Active in Reports: 03/30/1994 | Last EDR Contact: 08/15/2011 |
| Number of Days to Update: 56 | Next Scheduled EDR Contact: 11/28/2011 |
| | Data Release Frequency: No Update Planned |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

| | |
|---|--|
| Date of Government Version: 04/05/2017 | Source: EPA |
| Date Data Arrived at EDR: 04/21/2017 | Telephone: N/A |
| Date Made Active in Reports: 05/12/2017 | Last EDR Contact: 07/07/2017 |
| Number of Days to Update: 21 | Next Scheduled EDR Contact: 10/16/2017 |
| | Data Release Frequency: Quarterly |

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

| | |
|---|---|
| Date of Government Version: 11/07/2016 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 01/05/2017 | Telephone: 703-603-8704 |
| Date Made Active in Reports: 04/07/2017 | Last EDR Contact: 07/07/2017 |
| Number of Days to Update: 92 | Next Scheduled EDR Contact: 10/16/2017 |
| | Data Release Frequency: Varies |

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

| | |
|---|--|
| Date of Government Version: 02/07/2017 | Source: EPA |
| Date Data Arrived at EDR: 04/19/2017 | Telephone: 800-424-9346 |
| Date Made Active in Reports: 05/05/2017 | Last EDR Contact: 07/21/2017 |
| Number of Days to Update: 16 | Next Scheduled EDR Contact: 10/30/2017 |
| | Data Release Frequency: Quarterly |

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

| | |
|---|--|
| Date of Government Version: 02/07/2017 | Source: EPA |
| Date Data Arrived at EDR: 04/19/2017 | Telephone: 800-424-9346 |
| Date Made Active in Reports: 05/05/2017 | Last EDR Contact: 07/28/2017 |
| Number of Days to Update: 16 | Next Scheduled EDR Contact: 10/30/2017 |
| | Data Release Frequency: Quarterly |

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

| | |
|---|--|
| Date of Government Version: 12/12/2016 | Source: EPA |
| Date Data Arrived at EDR: 12/28/2016 | Telephone: 800-424-9346 |
| Date Made Active in Reports: 02/10/2017 | Last EDR Contact: 08/11/2017 |
| Number of Days to Update: 44 | Next Scheduled EDR Contact: 10/09/2017 |
| | Data Release Frequency: Quarterly |

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

| | |
|---|---|
| Date of Government Version: 12/12/2016 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 12/28/2016 | Telephone: 312-886-6186 |
| Date Made Active in Reports: 02/10/2017 | Last EDR Contact: 08/11/2017 |
| Number of Days to Update: 44 | Next Scheduled EDR Contact: 10/09/2017 |
| | Data Release Frequency: Quarterly |

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

| | |
|---|---|
| Date of Government Version: 12/12/2016 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 12/28/2016 | Telephone: 312-886-6186 |
| Date Made Active in Reports: 02/10/2017 | Last EDR Contact: 08/11/2017 |
| Number of Days to Update: 44 | Next Scheduled EDR Contact: 10/09/2017 |
| | Data Release Frequency: Quarterly |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

| | |
|---|---|
| Date of Government Version: 12/12/2016 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 12/28/2016 | Telephone: 312-886-6186 |
| Date Made Active in Reports: 02/10/2017 | Last EDR Contact: 08/11/2017 |
| Number of Days to Update: 44 | Next Scheduled EDR Contact: 10/09/2017 |
| | Data Release Frequency: Quarterly |

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

| | |
|---|---|
| Date of Government Version: 12/12/2016 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 12/28/2016 | Telephone: 312-886-6186 |
| Date Made Active in Reports: 02/10/2017 | Last EDR Contact: 08/11/2017 |
| Number of Days to Update: 44 | Next Scheduled EDR Contact: 10/09/2017 |
| | Data Release Frequency: Varies |

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

| | |
|---|--|
| Date of Government Version: 12/28/2016 | Source: Department of the Navy |
| Date Data Arrived at EDR: 01/04/2017 | Telephone: 843-820-7326 |
| Date Made Active in Reports: 04/07/2017 | Last EDR Contact: 08/10/2017 |
| Number of Days to Update: 93 | Next Scheduled EDR Contact: 11/27/2017 |
| | Data Release Frequency: Varies |

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

| | |
|---|---|
| Date of Government Version: 02/13/2017 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 02/28/2017 | Telephone: 703-603-0695 |
| Date Made Active in Reports: 06/09/2017 | Last EDR Contact: 05/31/2017 |
| Number of Days to Update: 101 | Next Scheduled EDR Contact: 09/11/2017 |
| | Data Release Frequency: Varies |

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

| | |
|---|---|
| Date of Government Version: 02/13/2017 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 02/28/2017 | Telephone: 703-603-0695 |
| Date Made Active in Reports: 06/09/2017 | Last EDR Contact: 05/31/2017 |
| Number of Days to Update: 101 | Next Scheduled EDR Contact: 09/11/2017 |
| | Data Release Frequency: Varies |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/26/2016
Date Data Arrived at EDR: 09/29/2016
Date Made Active in Reports: 11/11/2016
Number of Days to Update: 43

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/28/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: Ohio EPA
Telephone: 614-644-2924
Last EDR Contact: 08/07/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: N/A

DERR: Division of Emergency & Remedial Response's Database

The DERR listings contains sites from all of Ohio that are in the Division of Environmental Response and Revitalization (DERR) database, which is an index of sites for which our district offices maintain files. The database is NOT a record of contaminated sites or sites suspected of contamination. Not all sites in the database are contaminated, and a site's absence from the database does not imply that it is uncontaminated.

Date of Government Version: 08/19/2016
Date Data Arrived at EDR: 11/09/2016
Date Made Active in Reports: 02/06/2017
Number of Days to Update: 89

Source: Ohio EPA
Telephone: 614-644-3538
Last EDR Contact: 08/10/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Semi-Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Licensed Solid Waste Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 09/08/2016
Date Data Arrived at EDR: 01/13/2017
Date Made Active in Reports: 02/07/2017
Number of Days to Update: 25

Source: Ohio Environmental Protection Agency
Telephone: 614-644-2621
Last EDR Contact: 07/24/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Annually

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank File

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 11/13/2016
Date Data Arrived at EDR: 11/16/2016
Date Made Active in Reports: 02/07/2017
Number of Days to Update: 83

Source: Department of Commerce
Telephone: 614-752-8200
Last EDR Contact: 08/17/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

| | |
|---|--|
| Date of Government Version: 10/07/2016 | Source: EPA Region 10 |
| Date Data Arrived at EDR: 01/26/2017 | Telephone: 206-553-2857 |
| Date Made Active in Reports: 05/05/2017 | Last EDR Contact: 07/27/2017 |
| Number of Days to Update: 99 | Next Scheduled EDR Contact: 11/08/2017 |
| | Data Release Frequency: Quarterly |

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

| | |
|---|---|
| Date of Government Version: 10/06/2016 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 01/26/2017 | Telephone: 415-972-3372 |
| Date Made Active in Reports: 05/05/2017 | Last EDR Contact: 07/27/2017 |
| Number of Days to Update: 99 | Next Scheduled EDR Contact: 11/08/2017 |
| | Data Release Frequency: Quarterly |

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

| | |
|---|--|
| Date of Government Version: 10/17/2016 | Source: EPA Region 8 |
| Date Data Arrived at EDR: 01/26/2017 | Telephone: 303-312-6271 |
| Date Made Active in Reports: 05/05/2017 | Last EDR Contact: 07/27/2017 |
| Number of Days to Update: 99 | Next Scheduled EDR Contact: 11/08/2017 |
| | Data Release Frequency: Quarterly |

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

| | |
|---|--|
| Date of Government Version: 09/01/2016 | Source: EPA Region 7 |
| Date Data Arrived at EDR: 01/26/2017 | Telephone: 913-551-7003 |
| Date Made Active in Reports: 05/05/2017 | Last EDR Contact: 07/27/2017 |
| Number of Days to Update: 99 | Next Scheduled EDR Contact: 11/08/2017 |
| | Data Release Frequency: Varies |

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

| | |
|---|--|
| Date of Government Version: 10/01/2016 | Source: EPA Region 6 |
| Date Data Arrived at EDR: 01/26/2017 | Telephone: 214-665-6597 |
| Date Made Active in Reports: 05/05/2017 | Last EDR Contact: 07/27/2017 |
| Number of Days to Update: 99 | Next Scheduled EDR Contact: 11/08/2017 |
| | Data Release Frequency: Varies |

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

| | |
|---|--|
| Date of Government Version: 10/14/2016 | Source: EPA Region 4 |
| Date Data Arrived at EDR: 01/27/2017 | Telephone: 404-562-8677 |
| Date Made Active in Reports: 05/05/2017 | Last EDR Contact: 07/28/2017 |
| Number of Days to Update: 98 | Next Scheduled EDR Contact: 11/08/2017 |
| | Data Release Frequency: Semi-Annually |

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

| | |
|---|--|
| Date of Government Version: 11/14/2016 | Source: EPA Region 1 |
| Date Data Arrived at EDR: 01/26/2017 | Telephone: 617-918-1313 |
| Date Made Active in Reports: 05/05/2017 | Last EDR Contact: 07/27/2017 |
| Number of Days to Update: 99 | Next Scheduled EDR Contact: 11/08/2017 |
| | Data Release Frequency: Varies |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

| | |
|---|--|
| Date of Government Version: 11/14/2016 | Source: EPA, Region 5 |
| Date Data Arrived at EDR: 01/26/2017 | Telephone: 312-886-7439 |
| Date Made Active in Reports: 05/05/2017 | Last EDR Contact: 07/27/2017 |
| Number of Days to Update: 99 | Next Scheduled EDR Contact: 11/08/2017 |
| | Data Release Frequency: Varies |

UNREG LTANKS: Ohio Leaking UST File

A suspected or confirmed release of petroleum from a non-regulated UST.

| | |
|---|---|
| Date of Government Version: 08/25/1999 | Source: Department of Commerce |
| Date Data Arrived at EDR: 08/19/2003 | Telephone: 614-752-7938 |
| Date Made Active in Reports: 08/26/2003 | Last EDR Contact: 08/01/2003 |
| Number of Days to Update: 7 | Next Scheduled EDR Contact: N/A |
| | Data Release Frequency: No Update Planned |

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

| | |
|---|--|
| Date of Government Version: 01/01/2010 | Source: FEMA |
| Date Data Arrived at EDR: 02/16/2010 | Telephone: 202-646-5797 |
| Date Made Active in Reports: 04/12/2010 | Last EDR Contact: 07/14/2017 |
| Number of Days to Update: 55 | Next Scheduled EDR Contact: 10/23/2017 |
| | Data Release Frequency: Varies |

UST: Underground Storage Tank Tank File

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

| | |
|---|--|
| Date of Government Version: 11/13/2016 | Source: Department of Commerce |
| Date Data Arrived at EDR: 11/17/2016 | Telephone: 614-752-8200 |
| Date Made Active in Reports: 02/07/2017 | Last EDR Contact: 08/17/2017 |
| Number of Days to Update: 82 | Next Scheduled EDR Contact: 11/27/2017 |
| | Data Release Frequency: Quarterly |

AST: Above Ground Storage Tanks

A listing of aboveground storage tank site locations in the state.

| | |
|---|--|
| Date of Government Version: 08/15/2016 | Source: Department of Commerce |
| Date Data Arrived at EDR: 08/22/2016 | Telephone: 614-752-7037 |
| Date Made Active in Reports: 10/20/2016 | Last EDR Contact: 08/07/2017 |
| Number of Days to Update: 59 | Next Scheduled EDR Contact: 11/20/2017 |
| | Data Release Frequency: Varies |

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

| | |
|---|--|
| Date of Government Version: 10/17/2016 | Source: EPA Region 8 |
| Date Data Arrived at EDR: 01/26/2017 | Telephone: 303-312-6137 |
| Date Made Active in Reports: 05/05/2017 | Last EDR Contact: 07/27/2017 |
| Number of Days to Update: 99 | Next Scheduled EDR Contact: 11/08/2017 |
| | Data Release Frequency: Quarterly |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

| | |
|---|--|
| Date of Government Version: 10/06/2016 | Source: EPA Region 9 |
| Date Data Arrived at EDR: 01/26/2017 | Telephone: 415-972-3368 |
| Date Made Active in Reports: 05/05/2017 | Last EDR Contact: 07/27/2017 |
| Number of Days to Update: 99 | Next Scheduled EDR Contact: 11/08/2017 |
| | Data Release Frequency: Quarterly |

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

| | |
|---|--|
| Date of Government Version: 10/07/2016 | Source: EPA Region 10 |
| Date Data Arrived at EDR: 01/26/2017 | Telephone: 206-553-2857 |
| Date Made Active in Reports: 05/05/2017 | Last EDR Contact: 07/27/2017 |
| Number of Days to Update: 99 | Next Scheduled EDR Contact: 11/08/2017 |
| | Data Release Frequency: Quarterly |

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

| | |
|---|--|
| Date of Government Version: 09/01/2016 | Source: EPA Region 7 |
| Date Data Arrived at EDR: 01/26/2017 | Telephone: 913-551-7003 |
| Date Made Active in Reports: 05/05/2017 | Last EDR Contact: 07/27/2017 |
| Number of Days to Update: 99 | Next Scheduled EDR Contact: 11/08/2017 |
| | Data Release Frequency: Varies |

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

| | |
|---|--|
| Date of Government Version: 10/01/2016 | Source: EPA Region 6 |
| Date Data Arrived at EDR: 01/26/2017 | Telephone: 214-665-7591 |
| Date Made Active in Reports: 05/05/2017 | Last EDR Contact: 07/27/2017 |
| Number of Days to Update: 99 | Next Scheduled EDR Contact: 11/08/2017 |
| | Data Release Frequency: Semi-Annually |

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

| | |
|---|--|
| Date of Government Version: 11/14/2016 | Source: EPA, Region 1 |
| Date Data Arrived at EDR: 01/26/2017 | Telephone: 617-918-1313 |
| Date Made Active in Reports: 05/05/2017 | Last EDR Contact: 07/27/2017 |
| Number of Days to Update: 99 | Next Scheduled EDR Contact: 11/08/2017 |
| | Data Release Frequency: Varies |

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

| | |
|---|--|
| Date of Government Version: 10/14/2016 | Source: EPA Region 4 |
| Date Data Arrived at EDR: 01/27/2017 | Telephone: 404-562-9424 |
| Date Made Active in Reports: 05/05/2017 | Last EDR Contact: 07/28/2017 |
| Number of Days to Update: 98 | Next Scheduled EDR Contact: 11/08/2017 |
| | Data Release Frequency: Semi-Annually |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

| | |
|---|--|
| Date of Government Version: 01/14/2017 | Source: EPA Region 5 |
| Date Data Arrived at EDR: 01/26/2017 | Telephone: 312-886-6136 |
| Date Made Active in Reports: 05/05/2017 | Last EDR Contact: 07/27/2017 |
| Number of Days to Update: 99 | Next Scheduled EDR Contact: 11/08/2017 |
| | Data Release Frequency: Varies |

State and tribal institutional control / engineering control registries

HIST ENG CONTROLS: Operation & Maintenance Agreements Database

Volunteers that complete a voluntary action that relies on the ongoing operation and maintenance (O&M) of an engineered control to make the site protective (e.g" cap systems and ground water treatment systems) must enter into a legally binding agreement with the Ohio EPA before the director issues a covenant not to sue. This O&M Agreement must describe how the remedy is constructed and how it will be monitored, maintained and repaired. It also lays out inspection opportunities for the agency. Companies must document that they have the financial capability to operate any remedy relied on, before the agency will agree to enter into the O&M Agreement. The statute requires that the agency be notified of any change in ownership. This database is no longer updated or maintained by the state agency.

| | |
|---|---|
| Date of Government Version: 05/10/2005 | Source: Ohio EPA |
| Date Data Arrived at EDR: 04/04/2006 | Telephone: 614-644-2306 |
| Date Made Active in Reports: 05/04/2006 | Last EDR Contact: 06/02/2008 |
| Number of Days to Update: 30 | Next Scheduled EDR Contact: 09/01/2008 |
| | Data Release Frequency: No Update Planned |

HIST INST CONTROLS: Institutional Controls Database

"Institutional control" is a restriction that is recorded in the same manner as a deed which limits access to or use of the property such that exposure to hazardous substances or petroleum are effectively and reliably eliminated or mitigated. Examples of institutional controls include land and water use restrictions. This database is no longer updated or maintained by the state agency.

| | |
|---|---|
| Date of Government Version: 05/10/2005 | Source: Ohio EPA |
| Date Data Arrived at EDR: 04/06/2006 | Telephone: 614-644-2306 |
| Date Made Active in Reports: 05/04/2006 | Last EDR Contact: 06/02/2008 |
| Number of Days to Update: 28 | Next Scheduled EDR Contact: 09/01/2008 |
| | Data Release Frequency: No Update Planned |

ENG CONTROLS: Sites with Engineering Controls

A database that tracks properties with engineering controls.

| | |
|---|--|
| Date of Government Version: 08/19/2016 | Source: Ohio EPA |
| Date Data Arrived at EDR: 11/09/2016 | Telephone: 614-644-2306 |
| Date Made Active in Reports: 02/06/2017 | Last EDR Contact: 08/10/2017 |
| Number of Days to Update: 89 | Next Scheduled EDR Contact: 11/20/2017 |
| | Data Release Frequency: Semi-Annually |

INST CONTROL: Sites with Institutional Engineering Controls

A database that tracks properties with institutional controls.

| | |
|---|--|
| Date of Government Version: 08/19/2016 | Source: Ohio Environmental Protection Agency |
| Date Data Arrived at EDR: 11/09/2016 | Telephone: 614-644-2306 |
| Date Made Active in Reports: 02/06/2017 | Last EDR Contact: 08/10/2017 |
| Number of Days to Update: 89 | Next Scheduled EDR Contact: 11/20/2017 |
| | Data Release Frequency: Semi-Annually |

State and tribal voluntary cleanup sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

| | |
|---|--|
| Date of Government Version: 03/20/2008 | Source: EPA, Region 7 |
| Date Data Arrived at EDR: 04/22/2008 | Telephone: 913-551-7365 |
| Date Made Active in Reports: 05/19/2008 | Last EDR Contact: 04/20/2009 |
| Number of Days to Update: 27 | Next Scheduled EDR Contact: 07/20/2009 |
| | Data Release Frequency: Varies |

VCP: Voluntary Action Program Sites

Site involved in the Voluntary Action Program.

| | |
|---|--|
| Date of Government Version: 09/19/2016 | Source: Ohio EPA, Voluntary Action Program |
| Date Data Arrived at EDR: 11/09/2016 | Telephone: 614-728-1298 |
| Date Made Active in Reports: 02/06/2017 | Last EDR Contact: 08/10/2017 |
| Number of Days to Update: 89 | Next Scheduled EDR Contact: 11/20/2017 |
| | Data Release Frequency: Semi-Annually |

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

| | |
|---|--|
| Date of Government Version: 07/27/2015 | Source: EPA, Region 1 |
| Date Data Arrived at EDR: 09/29/2015 | Telephone: 617-918-1102 |
| Date Made Active in Reports: 02/18/2016 | Last EDR Contact: 06/27/2017 |
| Number of Days to Update: 142 | Next Scheduled EDR Contact: 10/09/2017 |
| | Data Release Frequency: Varies |

State and tribal Brownfields sites

BROWNFIELDS: Ohio Brownfield Inventory

A statewide brownfields inventory. A brownfield is an abandoned, idled or under-used industrial or commercial property where expansion or redevelopment is complicated by known or potential releases of hazardous substances and/or petroleum.

| | |
|---|--|
| Date of Government Version: 12/12/2016 | Source: Ohio EPA |
| Date Data Arrived at EDR: 12/15/2016 | Telephone: 614-644-3748 |
| Date Made Active in Reports: 02/06/2017 | Last EDR Contact: 06/15/2017 |
| Number of Days to Update: 53 | Next Scheduled EDR Contact: 09/25/2017 |
| | Data Release Frequency: Varies |

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

| | |
|---|---|
| Date of Government Version: 03/02/2017 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 03/02/2017 | Telephone: 202-566-2777 |
| Date Made Active in Reports: 04/07/2017 | Last EDR Contact: 06/20/2017 |
| Number of Days to Update: 36 | Next Scheduled EDR Contact: 10/02/2017 |
| | Data Release Frequency: Semi-Annually |

Local Lists of Landfill / Solid Waste Disposal Sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HIST LF: Old Solid Waste Landfill

A list of about 1200 old abandoned dumps or landfills. This database was developed from Ohio EPA staff notebooks and other information dating from the mid-1970s

Date of Government Version: 01/01/1980
Date Data Arrived at EDR: 07/01/2003
Date Made Active in Reports: 07/17/2003
Number of Days to Update: 16

Source: Ohio EPA
Telephone: 614-644-3749
Last EDR Contact: 06/26/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWRCY: Recycling Facility Listing

A listing of recycling facility locations.

Date of Government Version: 01/24/2017
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 02/07/2017
Number of Days to Update: 11

Source: Ohio EPA
Telephone: 614-728-5357
Last EDR Contact: 07/10/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 08/01/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/24/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 08/10/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 02/09/2017
Date Data Arrived at EDR: 03/08/2017
Date Made Active in Reports: 06/09/2017
Number of Days to Update: 93

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Lab Locations

A list of clandestine drug lab sites with environmental impact. This list is extracted from the SPILLS database based on the "product" type.

Date of Government Version: 11/10/2016
Date Data Arrived at EDR: 11/11/2016
Date Made Active in Reports: 02/06/2017
Number of Days to Update: 87

Source: Ohio EPA
Telephone: 614-644-2080
Last EDR Contact: 08/07/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Varies

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/09/2017
Date Data Arrived at EDR: 03/08/2017
Date Made Active in Reports: 06/09/2017
Number of Days to Update: 93

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

ARCHIVE UST: Archived Underground Storage Tank Sites

Underground storage tank records that have been removed from the Underground Storage Tank database.

Date of Government Version: 11/13/2016
Date Data Arrived at EDR: 11/17/2016
Date Made Active in Reports: 02/07/2017
Number of Days to Update: 82

Source: Department of Commerce, Division of State Fire Marshal
Telephone: 614-752-7938
Last EDR Contact: 08/17/2017
Next Scheduled EDR Contact: 11/27/2017
Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 07/26/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Varies

Records of Emergency Release Reports

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

| | |
|---|---|
| Date of Government Version: 12/28/2016 | Source: U.S. Department of Transportation |
| Date Data Arrived at EDR: 12/28/2016 | Telephone: 202-366-4555 |
| Date Made Active in Reports: 02/03/2017 | Last EDR Contact: 06/28/2017 |
| Number of Days to Update: 37 | Next Scheduled EDR Contact: 10/09/2017 |
| | Data Release Frequency: Annually |

SPILLS: Emergency Response Database

Incidents reported to the Emergency Response Unit. The focus of the ER program is to minimize the impact on the environment from accidental releases, spills, and unauthorized discharges from any fixed or mobile sources. Incidents involving petroleum products, hazardous materials, hazardous waste, abandoned drums, or other materials which may pose as a pollution threat to the state's water, land, or air should be reported immediately. Not all incidents included in the database are actual SPILLS, they can simply be reported incidents.

| | |
|---|--|
| Date of Government Version: 11/10/2016 | Source: Ohio EPA |
| Date Data Arrived at EDR: 11/11/2016 | Telephone: 614-644-2084 |
| Date Made Active in Reports: 02/06/2017 | Last EDR Contact: 08/07/2017 |
| Number of Days to Update: 87 | Next Scheduled EDR Contact: 11/20/2017 |
| | Data Release Frequency: Varies |

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

| | |
|---|---|
| Date of Government Version: 09/13/2012 | Source: FirstSearch |
| Date Data Arrived at EDR: 01/03/2013 | Telephone: N/A |
| Date Made Active in Reports: 02/27/2013 | Last EDR Contact: 01/03/2013 |
| Number of Days to Update: 55 | Next Scheduled EDR Contact: N/A |
| | Data Release Frequency: No Update Planned |

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

| | |
|---|---|
| Date of Government Version: 04/24/2004 | Source: FirstSearch |
| Date Data Arrived at EDR: 01/03/2013 | Telephone: N/A |
| Date Made Active in Reports: 03/01/2013 | Last EDR Contact: 01/03/2013 |
| Number of Days to Update: 57 | Next Scheduled EDR Contact: N/A |
| | Data Release Frequency: No Update Planned |

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

| | |
|---|---|
| Date of Government Version: 12/12/2016 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 12/28/2016 | Telephone: 312-886-6186 |
| Date Made Active in Reports: 02/10/2017 | Last EDR Contact: 08/11/2017 |
| Number of Days to Update: 44 | Next Scheduled EDR Contact: 10/09/2017 |
| | Data Release Frequency: Varies |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

| | |
|---|--|
| Date of Government Version: 01/31/2015 | Source: U.S. Army Corps of Engineers |
| Date Data Arrived at EDR: 07/08/2015 | Telephone: 202-528-4285 |
| Date Made Active in Reports: 10/13/2015 | Last EDR Contact: 02/24/2017 |
| Number of Days to Update: 97 | Next Scheduled EDR Contact: 06/05/2017 |
| | Data Release Frequency: Varies |

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

| | |
|---|--|
| Date of Government Version: 12/31/2005 | Source: USGS |
| Date Data Arrived at EDR: 11/10/2006 | Telephone: 888-275-8747 |
| Date Made Active in Reports: 01/11/2007 | Last EDR Contact: 07/12/2017 |
| Number of Days to Update: 62 | Next Scheduled EDR Contact: 10/23/2017 |
| | Data Release Frequency: Semi-Annually |

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

| | |
|---|--|
| Date of Government Version: 12/31/2005 | Source: U.S. Geological Survey |
| Date Data Arrived at EDR: 02/06/2006 | Telephone: 888-275-8747 |
| Date Made Active in Reports: 01/11/2007 | Last EDR Contact: 07/14/2017 |
| Number of Days to Update: 339 | Next Scheduled EDR Contact: 10/23/2017 |
| | Data Release Frequency: N/A |

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

| | |
|---|---|
| Date of Government Version: 01/01/2017 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 02/03/2017 | Telephone: 615-532-8599 |
| Date Made Active in Reports: 04/07/2017 | Last EDR Contact: 05/19/2017 |
| Number of Days to Update: 63 | Next Scheduled EDR Contact: 08/28/2017 |
| | Data Release Frequency: Varies |

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

| | |
|---|---|
| Date of Government Version: 02/13/2017 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 02/15/2017 | Telephone: 202-566-1917 |
| Date Made Active in Reports: 05/12/2017 | Last EDR Contact: 08/11/2017 |
| Number of Days to Update: 86 | Next Scheduled EDR Contact: 10/09/2017 |
| | Data Release Frequency: Quarterly |

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 08/07/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/03/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/21/2017
Next Scheduled EDR Contact: 10/02/2017
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 133

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/26/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/28/2017
Next Scheduled EDR Contact: 11/08/2017
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 09/18/2017
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

| | |
|---|---|
| Date of Government Version: 02/01/2017 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 02/09/2017 | Telephone: 202-564-8600 |
| Date Made Active in Reports: 04/07/2017 | Last EDR Contact: 07/24/2017 |
| Number of Days to Update: 57 | Next Scheduled EDR Contact: 11/08/2017 |
| | Data Release Frequency: Varies |

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

| | |
|---|---|
| Date of Government Version: 04/17/1995 | Source: EPA |
| Date Data Arrived at EDR: 07/03/1995 | Telephone: 202-564-4104 |
| Date Made Active in Reports: 08/07/1995 | Last EDR Contact: 06/02/2008 |
| Number of Days to Update: 35 | Next Scheduled EDR Contact: 09/01/2008 |
| | Data Release Frequency: No Update Planned |

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

| | |
|---|--|
| Date of Government Version: 10/25/2013 | Source: EPA |
| Date Data Arrived at EDR: 10/17/2014 | Telephone: 202-564-6023 |
| Date Made Active in Reports: 10/20/2014 | Last EDR Contact: 08/08/2017 |
| Number of Days to Update: 3 | Next Scheduled EDR Contact: 11/20/2017 |
| | Data Release Frequency: Quarterly |

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

| | |
|---|--|
| Date of Government Version: 01/20/2016 | Source: EPA |
| Date Data Arrived at EDR: 04/28/2016 | Telephone: 202-566-0500 |
| Date Made Active in Reports: 09/02/2016 | Last EDR Contact: 04/10/2017 |
| Number of Days to Update: 127 | Next Scheduled EDR Contact: 07/24/2017 |
| | Data Release Frequency: Annually |

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

| | |
|---|---|
| Date of Government Version: 11/18/2016 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 11/23/2016 | Telephone: 202-564-2501 |
| Date Made Active in Reports: 02/10/2017 | Last EDR Contact: 07/28/2017 |
| Number of Days to Update: 79 | Next Scheduled EDR Contact: 10/23/2017 |
| | Data Release Frequency: Quarterly |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

| | |
|---|---|
| Date of Government Version: 04/09/2009 | Source: EPA/Office of Prevention, Pesticides and Toxic Substances |
| Date Data Arrived at EDR: 04/16/2009 | Telephone: 202-566-1667 |
| Date Made Active in Reports: 05/11/2009 | Last EDR Contact: 05/19/2017 |
| Number of Days to Update: 25 | Next Scheduled EDR Contact: 09/04/2017 |
| | Data Release Frequency: Quarterly |

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

| | |
|---|--|
| Date of Government Version: 04/09/2009 | Source: EPA |
| Date Data Arrived at EDR: 04/16/2009 | Telephone: 202-566-1667 |
| Date Made Active in Reports: 05/11/2009 | Last EDR Contact: 05/19/2017 |
| Number of Days to Update: 25 | Next Scheduled EDR Contact: 09/04/2017 |
| | Data Release Frequency: Quarterly |

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

| | |
|---|--|
| Date of Government Version: 08/30/2016 | Source: Nuclear Regulatory Commission |
| Date Data Arrived at EDR: 09/08/2016 | Telephone: 301-415-7169 |
| Date Made Active in Reports: 10/21/2016 | Last EDR Contact: 08/01/2017 |
| Number of Days to Update: 43 | Next Scheduled EDR Contact: 11/20/2017 |
| | Data Release Frequency: Quarterly |

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

| | |
|---|--|
| Date of Government Version: 12/31/2005 | Source: Department of Energy |
| Date Data Arrived at EDR: 08/07/2009 | Telephone: 202-586-8719 |
| Date Made Active in Reports: 10/22/2009 | Last EDR Contact: 06/05/2017 |
| Number of Days to Update: 76 | Next Scheduled EDR Contact: 09/18/2017 |
| | Data Release Frequency: Varies |

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

| | |
|---|---|
| Date of Government Version: 07/01/2014 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 09/10/2014 | Telephone: N/A |
| Date Made Active in Reports: 10/20/2014 | Last EDR Contact: 06/05/2017 |
| Number of Days to Update: 40 | Next Scheduled EDR Contact: 09/18/2017 |
| | Data Release Frequency: Varies |

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

| | |
|---|---|
| Date of Government Version: 02/01/2011 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 10/19/2011 | Telephone: 202-566-0517 |
| Date Made Active in Reports: 01/10/2012 | Last EDR Contact: 07/28/2017 |
| Number of Days to Update: 83 | Next Scheduled EDR Contact: 11/08/2017 |
| | Data Release Frequency: Varies |

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/04/2017
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/12/2017
Next Scheduled EDR Contact: 10/16/2017
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/01/2017
Next Scheduled EDR Contact: 11/13/2017
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 77

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/21/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 09/30/2015
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 05/26/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

| | |
|---|--|
| Date of Government Version: 12/31/2014 | Source: USGS |
| Date Data Arrived at EDR: 07/14/2015 | Telephone: 202-208-3710 |
| Date Made Active in Reports: 01/10/2017 | Last EDR Contact: 07/11/2017 |
| Number of Days to Update: 546 | Next Scheduled EDR Contact: 10/23/2017 |
| | Data Release Frequency: Semi-Annually |

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

| | |
|---|--|
| Date of Government Version: 12/23/2016 | Source: Department of Energy |
| Date Data Arrived at EDR: 12/27/2016 | Telephone: 202-586-3559 |
| Date Made Active in Reports: 02/17/2017 | Last EDR Contact: 08/03/2017 |
| Number of Days to Update: 52 | Next Scheduled EDR Contact: 11/20/2017 |
| | Data Release Frequency: Varies |

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

| | |
|---|--|
| Date of Government Version: 09/14/2010 | Source: Department of Energy |
| Date Data Arrived at EDR: 10/07/2011 | Telephone: 505-845-0011 |
| Date Made Active in Reports: 03/01/2012 | Last EDR Contact: 05/22/2017 |
| Number of Days to Update: 146 | Next Scheduled EDR Contact: 09/04/2017 |
| | Data Release Frequency: Varies |

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

| | |
|---|---|
| Date of Government Version: 12/05/2016 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 01/05/2017 | Telephone: 703-603-8787 |
| Date Made Active in Reports: 02/10/2017 | Last EDR Contact: 07/07/2017 |
| Number of Days to Update: 36 | Next Scheduled EDR Contact: 10/16/2017 |
| | Data Release Frequency: Varies |

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

| | |
|---|---|
| Date of Government Version: 04/05/2001 | Source: American Journal of Public Health |
| Date Data Arrived at EDR: 10/27/2010 | Telephone: 703-305-6451 |
| Date Made Active in Reports: 12/02/2010 | Last EDR Contact: 12/02/2009 |
| Number of Days to Update: 36 | Next Scheduled EDR Contact: N/A |
| | Data Release Frequency: No Update Planned |

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 08/11/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 08/11/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/08/2017
Date Data Arrived at EDR: 02/28/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 38

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/31/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 06/02/2017
Next Scheduled EDR Contact: 09/11/2017
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/14/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 21

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/09/2017
Next Scheduled EDR Contact: 09/25/2017
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

| | |
|---|--|
| Date of Government Version: 04/04/2017 | Source: EPA |
| Date Data Arrived at EDR: 04/07/2017 | Telephone: (312) 353-2000 |
| Date Made Active in Reports: 05/12/2017 | Last EDR Contact: 06/07/2017 |
| Number of Days to Update: 35 | Next Scheduled EDR Contact: 09/18/2017 |
| | Data Release Frequency: Quarterly |

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

| | |
|---|---|
| Date of Government Version: 03/19/2017 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 03/21/2017 | Telephone: 202-564-2280 |
| Date Made Active in Reports: 05/12/2017 | Last EDR Contact: 06/07/2017 |
| Number of Days to Update: 52 | Next Scheduled EDR Contact: 09/18/2017 |
| | Data Release Frequency: Quarterly |

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

| | |
|---|---|
| Date of Government Version: 06/02/2016 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 06/03/2016 | Telephone: 202-564-0527 |
| Date Made Active in Reports: 09/02/2016 | Last EDR Contact: 05/24/2017 |
| Number of Days to Update: 91 | Next Scheduled EDR Contact: 09/11/2017 |
| | Data Release Frequency: Varies |

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

| | |
|---|--|
| Date of Government Version: 10/25/2015 | Source: Department of Defense |
| Date Data Arrived at EDR: 01/29/2016 | Telephone: 571-373-0407 |
| Date Made Active in Reports: 04/05/2016 | Last EDR Contact: 07/17/2017 |
| Number of Days to Update: 67 | Next Scheduled EDR Contact: 10/30/2017 |
| | Data Release Frequency: Varies |

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

| | |
|---|--|
| Date of Government Version: 02/22/2017 | Source: EPA |
| Date Data Arrived at EDR: 02/22/2017 | Telephone: 800-385-6164 |
| Date Made Active in Reports: 05/12/2017 | Last EDR Contact: 08/17/2017 |
| Number of Days to Update: 79 | Next Scheduled EDR Contact: 09/04/2017 |
| | Data Release Frequency: Quarterly |

AIRS: Title V Permits Listing

A listing of Title V Permits issued by the Division of Air Pollution Control. It is a federal operating permit program adopted and implemented by the state. The basic program elements typically specify that major sources will submit an operating application to the specified state environmental regulatory agency according to a schedule.

| | |
|---|--|
| Date of Government Version: 01/13/2017 | Source: Ohio EPA |
| Date Data Arrived at EDR: 01/18/2017 | Telephone: 614-644-2270 |
| Date Made Active in Reports: 02/10/2017 | Last EDR Contact: 06/19/2017 |
| Number of Days to Update: 23 | Next Scheduled EDR Contact: 10/02/2017 |
| | Data Release Frequency: Varies |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH: Coal Ash Disposal Site Listing

A listing of coal ash disposal site locations.

Date of Government Version: 04/13/2015
Date Data Arrived at EDR: 04/16/2015
Date Made Active in Reports: 05/29/2015
Number of Days to Update: 43

Source: Ohio EPA
Telephone: 614-644-2134
Last EDR Contact: 07/10/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Varies

CRO: Cessation of Regulated Operations Facility Listing

"Cessation of Regulated Operations" means the discontinuation or termination of regulated operations or the finalizing of any transaction or proceeding through which those operations are discontinued. "Regulated Operations" means the production, use, storage or handling of regulated substances.

Date of Government Version: 09/26/2016
Date Data Arrived at EDR: 11/11/2016
Date Made Active in Reports: 02/06/2017
Number of Days to Update: 87

Source: Ohio EPA
Telephone: 614-644-3065
Last EDR Contact: 08/11/2017
Next Scheduled EDR Contact: 11/20/2017
Data Release Frequency: Varies

DRYCLEANERS: Drycleaner Facility Listing

A listing of drycleaner facility locations.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/06/2017
Number of Days to Update: 26

Source: Ohio EPA
Telephone: 614-644-3469
Last EDR Contact: 07/10/2017
Next Scheduled EDR Contact: 10/09/2017
Data Release Frequency: Varies

Financial Assurance: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 01/10/2017
Date Data Arrived at EDR: 01/12/2017
Date Made Active in Reports: 02/06/2017
Number of Days to Update: 25

Source: Ohio EPA
Telephone: 614-644-2955
Last EDR Contact: 07/10/2017
Next Scheduled EDR Contact: 10/23/2017
Data Release Frequency: Varies

HIST USD: Urban Setting Designations Database

A USD may be requested for properties participating in the VAP when there is no current or future use of the ground water by local residents for drinking, showering, bathing or cooking. In these areas, an approved USD would lower the cost of cleanup and promote economic redevelopment while still protecting public health and safety. If these USDs were to be approved, the ground water cleanup or response requirements for the areas could be lessened. The Ohio EPA director may approve a USD request based on a demonstration that the USD requirements are met and an evaluation of existing and future uses of ground water in the area. The Ohio EPA director's decision on approval or denial of the request is needed before cleanup requirements for the site can be determined. This database is no longer updated or maintained by the state agency.

Date of Government Version: 05/10/2005
Date Data Arrived at EDR: 04/25/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 16

Source: Ohio EPA
Telephone: 614-644-3749
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

LEAD: Lead Inspections Listing

Department of Health lead inspections included in the Environmental Licensing System.

Date of Government Version: 12/20/2016
Date Data Arrived at EDR: 12/21/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 51

Source: Department of Health
Telephone: 614-644-8649
Last EDR Contact: 06/20/2017
Next Scheduled EDR Contact: 10/02/2017
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPDES: NPDES General Permit List

General information regarding NPDES (National Pollutant Discharge Elimination System) permits.

| | |
|---|--|
| Date of Government Version: 11/08/2016 | Source: Ohio EPA |
| Date Data Arrived at EDR: 11/10/2016 | Telephone: 614-644-2031 |
| Date Made Active in Reports: 02/10/2017 | Last EDR Contact: 08/10/2017 |
| Number of Days to Update: 92 | Next Scheduled EDR Contact: 11/20/2017 |
| | Data Release Frequency: Semi-Annually |

TOWNGAS: DERR Towngas Database

The database includes 82 very old sites (circa 1895) which produced gas from coal for street lighting. Most visual evidence of these sites has disappeared, however the potential for buried coal tar remains. The database is no longer in active use.

| | |
|---|---|
| Date of Government Version: 07/28/1992 | Source: Ohio EPA |
| Date Data Arrived at EDR: 02/21/2003 | Telephone: 614-644-3749 |
| Date Made Active in Reports: 03/05/2003 | Last EDR Contact: 02/12/2003 |
| Number of Days to Update: 12 | Next Scheduled EDR Contact: N/A |
| | Data Release Frequency: No Update Planned |

UIC: Underground Injection Wells Listing

A listing of underground injection well locations.

| | |
|---|--|
| Date of Government Version: 04/08/2016 | Source: Ohio EPA |
| Date Data Arrived at EDR: 05/12/2016 | Telephone: 614-644-2752 |
| Date Made Active in Reports: 07/18/2016 | Last EDR Contact: 08/11/2017 |
| Number of Days to Update: 67 | Next Scheduled EDR Contact: 11/20/2017 |
| | Data Release Frequency: Varies |

USD: Urban Setting Designation Sites

A USD may be requested for properties participating in the VAP when there is no current or future use of the ground water by local residents for drinking, showering, bathing or cooking. In these areas, an approved USD would lower the cost of cleanup and promote economic redevelopment while still protecting public health and safety. If these USDs were to be approved, the ground water cleanup or response requirements for the areas could be lessened. The Ohio EPA director may approve a USD request based on a demonstration that the USD requirements are met and an evaluation of existing and future uses of ground water in the area. The Ohio EPA director's decision on approval or denial of the request is needed before cleanup requirements for the site can be determined.

| | |
|---|--|
| Date of Government Version: 11/01/2016 | Source: Ohio EPA |
| Date Data Arrived at EDR: 11/09/2016 | Telephone: 614-644-3749 |
| Date Made Active in Reports: 02/08/2017 | Last EDR Contact: 08/10/2017 |
| Number of Days to Update: 91 | Next Scheduled EDR Contact: 11/20/2017 |
| | Data Release Frequency: Varies |

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

| | |
|----------------------------------|---|
| Date of Government Version: N/A | Source: EDR, Inc. |
| Date Data Arrived at EDR: N/A | Telephone: N/A |
| Date Made Active in Reports: N/A | Last EDR Contact: N/A |
| Number of Days to Update: N/A | Next Scheduled EDR Contact: N/A |
| | Data Release Frequency: No Update Planned |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR Hist Auto: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

| | |
|----------------------------------|---------------------------------|
| Date of Government Version: N/A | Source: EDR, Inc. |
| Date Data Arrived at EDR: N/A | Telephone: N/A |
| Date Made Active in Reports: N/A | Last EDR Contact: N/A |
| Number of Days to Update: N/A | Next Scheduled EDR Contact: N/A |
| | Data Release Frequency: Varies |

EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

| | |
|----------------------------------|---------------------------------|
| Date of Government Version: N/A | Source: EDR, Inc. |
| Date Data Arrived at EDR: N/A | Telephone: N/A |
| Date Made Active in Reports: N/A | Last EDR Contact: N/A |
| Number of Days to Update: N/A | Next Scheduled EDR Contact: N/A |
| | Data Release Frequency: Varies |

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Ohio Environmental Protection Agency in Ohio.

| | |
|---|--|
| Date of Government Version: N/A | Source: Ohio Environmental Protection Agency |
| Date Data Arrived at EDR: 07/01/2013 | Telephone: N/A |
| Date Made Active in Reports: 01/13/2014 | Last EDR Contact: 06/01/2012 |
| Number of Days to Update: 196 | Next Scheduled EDR Contact: N/A |
| | Data Release Frequency: Varies |

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Commerce in Ohio.

| | |
|---|---------------------------------|
| Date of Government Version: N/A | Source: Department of Commerce |
| Date Data Arrived at EDR: 07/01/2013 | Telephone: N/A |
| Date Made Active in Reports: 12/20/2013 | Last EDR Contact: 06/01/2012 |
| Number of Days to Update: 172 | Next Scheduled EDR Contact: N/A |
| | Data Release Frequency: Varies |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

| | |
|---|---|
| Date of Government Version: 07/30/2013 | Source: Department of Energy & Environmental Protection |
| Date Data Arrived at EDR: 08/19/2013 | Telephone: 860-424-3375 |
| Date Made Active in Reports: 10/03/2013 | Last EDR Contact: 05/15/2017 |
| Number of Days to Update: 45 | Next Scheduled EDR Contact: 08/28/2017 |
| | Data Release Frequency: No Update Planned |

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

| | |
|---|--|
| Date of Government Version: 12/31/2016 | Source: Department of Environmental Protection |
| Date Data Arrived at EDR: 04/11/2017 | Telephone: N/A |
| Date Made Active in Reports: 07/27/2017 | Last EDR Contact: 07/10/2017 |
| Number of Days to Update: 107 | Next Scheduled EDR Contact: 10/23/2017 |
| | Data Release Frequency: Annually |

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

| | |
|---|--|
| Date of Government Version: 01/30/2017 | Source: Department of Environmental Conservation |
| Date Data Arrived at EDR: 02/01/2017 | Telephone: 518-402-8651 |
| Date Made Active in Reports: 02/13/2017 | Last EDR Contact: 08/03/2017 |
| Number of Days to Update: 12 | Next Scheduled EDR Contact: 11/13/2017 |
| | Data Release Frequency: Annually |

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

| | |
|---|--|
| Date of Government Version: 12/31/2015 | Source: Department of Environmental Protection |
| Date Data Arrived at EDR: 07/22/2016 | Telephone: 717-783-8990 |
| Date Made Active in Reports: 11/22/2016 | Last EDR Contact: 07/17/2017 |
| Number of Days to Update: 123 | Next Scheduled EDR Contact: 10/30/2017 |
| | Data Release Frequency: Annually |

RI MANIFEST: Manifest information

Hazardous waste manifest information

| | |
|---|--|
| Date of Government Version: 12/31/2013 | Source: Department of Environmental Management |
| Date Data Arrived at EDR: 06/19/2015 | Telephone: 401-222-2797 |
| Date Made Active in Reports: 07/15/2015 | Last EDR Contact: 05/22/2017 |
| Number of Days to Update: 26 | Next Scheduled EDR Contact: 09/04/2017 |
| | Data Release Frequency: Annually |

VT MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

| | |
|---|--|
| Date of Government Version: 05/12/2017 | Source: Department of Environmental Conservation |
| Date Data Arrived at EDR: 05/23/2017 | Telephone: 802-241-3443 |
| Date Made Active in Reports: 08/16/2017 | Last EDR Contact: 07/17/2017 |
| Number of Days to Update: 85 | Next Scheduled EDR Contact: 10/30/2017 |
| | Data Release Frequency: Annually |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016

Date Data Arrived at EDR: 04/13/2017

Date Made Active in Reports: 07/14/2017

Number of Days to Update: 92

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 06/12/2017

Next Scheduled EDR Contact: 09/25/2017

Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Child Day Care Facilities

Source: Department of Job & Family Services

Telephone: 614-466-6282

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

MT. PLEASANT WATER LINE
243 UNION ST.
DILLONVALE, OH 43917

TARGET PROPERTY COORDINATES

| | |
|-------------------------------|----------------------------|
| Latitude (North): | 40.175476 - 40° 10' 31.71" |
| Longitude (West): | 80.798756 - 80° 47' 55.52" |
| Universal Tranverse Mercator: | Zone 17 |
| UTM X (Meters): | 517134.5 |
| UTM Y (Meters): | 4447042.5 |
| Elevation: | 1238 ft. above sea level |

USGS TOPOGRAPHIC MAP

| | |
|----------------------|------------------------|
| Target Property Map: | 5965980 DILLONVALE, OH |
| Version Date: | 2013 |

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

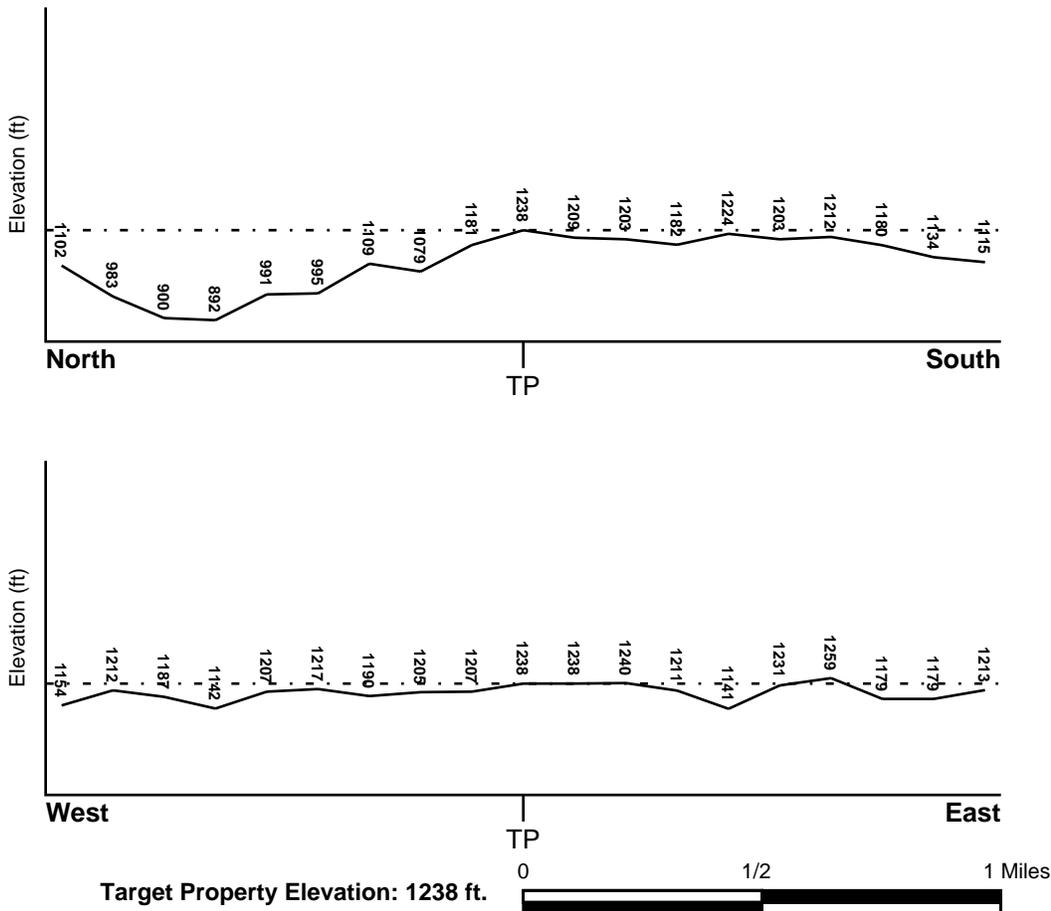
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NNW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

| <u>Flood Plain Panel at Target Property</u> | <u>FEMA Source Type</u> |
|---|-------------------------|
| 39081C0341D | FEMA FIRM Flood data |
| <u>Additional Panels in search area:</u> | <u>FEMA Source Type</u> |
| 39013C0100E | FEMA FIRM Flood data |
| 39081C0333D | FEMA FIRM Flood data |

NATIONAL WETLAND INVENTORY

| <u>NWI Quad at Target Property</u> | <u>NWI Electronic Data Coverage</u> |
|------------------------------------|--|
| DILLONVALE | YES - refer to the Overview Map and Detail Map |

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

| <u>MAP ID</u> | <u>LOCATION FROM TP</u> | <u>GENERAL DIRECTION GROUNDWATER FLOW</u> |
|---------------|-------------------------|---|
| Not Reported | | |

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

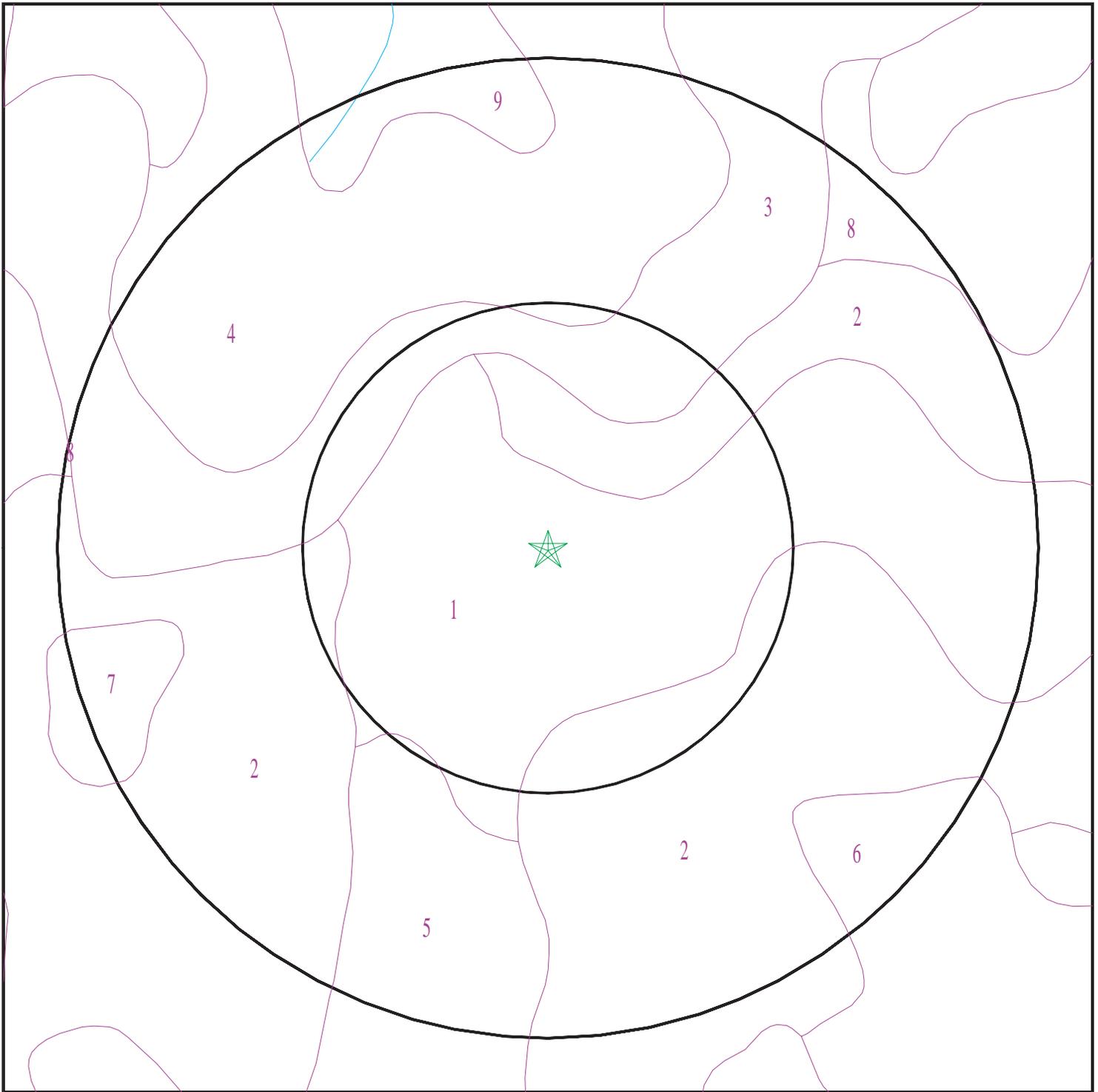
| | |
|---------|--|
| Era: | Paleozoic |
| System: | Pennsylvanian |
| Series: | Virgilian Series |
| Code: | PP4 (<i>decoded above as Era, System & Series</i>) |

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 5026309.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Mt. Pleasant Water Line
ADDRESS: 243 Union St.
Dillonvale OH 43917
LAT/LONG: 40.175476 / 80.798756

CLIENT: Hull & Associates, Inc.
CONTACT: Nick Kasper
INQUIRY #: 5026309.2s
DATE: August 18, 2017 10:36 am

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Urban land

Soil Surface Texture:
Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 69 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 2

Soil Component Name: Gilpin

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 84 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|---------------------|---|--|---|----------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 5 inches | silt loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt. | Max: 14.11 Min: 4.23 | Max: 6.5 Min: 3.6 |
| 2 | 5 inches | 33 inches | silt loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 14.11 Min: 4.23 | Max: 6 Min: 3.6 |
| 3 | 33 inches | 35 inches | unweathered bedrock | Not reported | Not reported | Max: 1.41 Min: 0 | Max: Min: |

Soil Map ID: 3

Soil Component Name: Berks

Soil Surface Texture: channery silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 84 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|-------------------------|---|---|---|----------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 5 inches | channery silt loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. | Max: 42.34 Min: 4.23 | Max: 7.3 Min: 3.6 |
| 2 | 5 inches | 14 inches | very channery silt loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel | Max: 42.34 Min: 4.23 | Max: 6.5 Min: 3.6 |
| 3 | 14 inches | 22 inches | channery silt loam | Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand. | COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel | Max: 42.34 Min: 14.11 | Max: 6.5 Min: 3.6 |
| 4 | 22 inches | 25 inches | weathered bedrock | Not reported | Not reported | Max: 1.41 Min: 0 | Max: Min: |

Soil Map ID: 4

Soil Component Name: Gilpin

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 84 inches

Depth to Watertable Min: > 69 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|---------------------|---|--|---|----------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 7 inches | silt loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt. | Max: 14.11 Min: 4.23 | Max: 6.5 Min: 3.6 |
| 2 | 7 inches | 33 inches | silt loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 14.11 Min: 4.23 | Max: 6 Min: 3.6 |
| 3 | 33 inches | 35 inches | unweathered bedrock | Not reported | Not reported | Max: 1.41 Min: 0 | Max: Min: |

Soil Map ID: 5

Soil Component Name: Gilpin

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 84 inches

Depth to Watertable Min: > 69 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|---------------------|---|--|---|----------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 7 inches | silt loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt. | Max: 14.11 Min: 4.23 | Max: 6.5 Min: 3.6 |
| 2 | 7 inches | 33 inches | silt loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 14.11 Min: 4.23 | Max: 6 Min: 3.6 |
| 3 | 33 inches | 35 inches | unweathered bedrock | Not reported | Not reported | Max: 0.42 Min: 0 | Max: Min: |

Soil Map ID: 6

Soil Component Name: Morristown

Soil Surface Texture: silty clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

| Soil Layer Information | | | | | | | |
|------------------------|----------|-----------|--------------------|--|--|---|----------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 7 inches | silty clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils. | Max: 4.23 Min: 1.41 | Max: 8.4 Min: 6.1 |
| 2 | 7 inches | 59 inches | channery clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel | Max: 4.23 Min: 1.41 | Max: 8.4 Min: 7.4 |

Soil Map ID: 7

Soil Component Name: Gilpin

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 69 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|------------------------|----------|----------|--------------------|---|--|---|----------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 7 inches | silt loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt. | Max: 14.11 Min: 4.23 | Max: 6.5 Min: 3.6 |

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|---------------------|---|---|---|--------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 2 | 7 inches | 27 inches | silt loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 14.11 Min: 4.23 | Max: 6 Min: 3.6 |
| 3 | 27 inches | 29 inches | unweathered bedrock | Not reported | Not reported | Max: 1.41 Min: 0 | Max: Min: |

Soil Map ID: 8

Soil Component Name: Gilpin

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 84 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|------------------------|----------|----------|--------------------|---|---|---|----------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 5 inches | silt loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt. | Max: 14.11 Min: 4.23 | Max: 6.5 Min: 3.6 |

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|---------------------|---|---|---|--------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 2 | 5 inches | 33 inches | silt loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 14.11 Min: 4.23 | Max: 6 Min: 3.6 |
| 3 | 33 inches | 35 inches | unweathered bedrock | Not reported | Not reported | Max: 0.42 Min: 0 | Max: Min: |

Soil Map ID: 9

Soil Component Name: Lowell

Soil Surface Texture: silty clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 140 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|------------------------|----------|-----------|--------------------|--|---|---|----------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 3 inches | silty clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 14.11 Min: 4.23 | Max: 6.5 Min: 4.5 |
| 2 | 3 inches | 48 inches | silty clay | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay. | Max: 14.11 Min: 1.41 | Max: 6.5 Min: 4.5 |

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|---------------------|--|---|---|----------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 3 | 48 inches | 55 inches | silty clay | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay. | Max: 4.23 Min: 1.41 | Max: 7.8 Min: 5.1 |
| 4 | 55 inches | 57 inches | unweathered bedrock | Not reported | Not reported | Max: 0.42 Min: 0 | Max: Min: |

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

| <u>DATABASE</u> | <u>SEARCH DISTANCE (miles)</u> |
|------------------|--------------------------------|
| Federal USGS | 1.000 |
| Federal FRDS PWS | Nearest PWS within 1 mile |
| State Database | 1.000 |

FEDERAL USGS WELL INFORMATION

| <u>MAP ID</u> | <u>WELL ID</u> | <u>LOCATION FROM TP</u> |
|---------------|-----------------|-------------------------|
| 23 | USGS40000955184 | 1/2 - 1 Mile NNW |
| G29 | USGS40000955189 | 1/2 - 1 Mile North |
| G30 | USGS40000955190 | 1/2 - 1 Mile North |
| 33 | USGS40000955191 | 1/2 - 1 Mile NNW |

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

| <u>MAP ID</u> | <u>WELL ID</u> | <u>LOCATION FROM TP</u> |
|---------------------|----------------|-------------------------|
| No PWS System Found | | |

Note: PWS System location is not always the same as well location.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

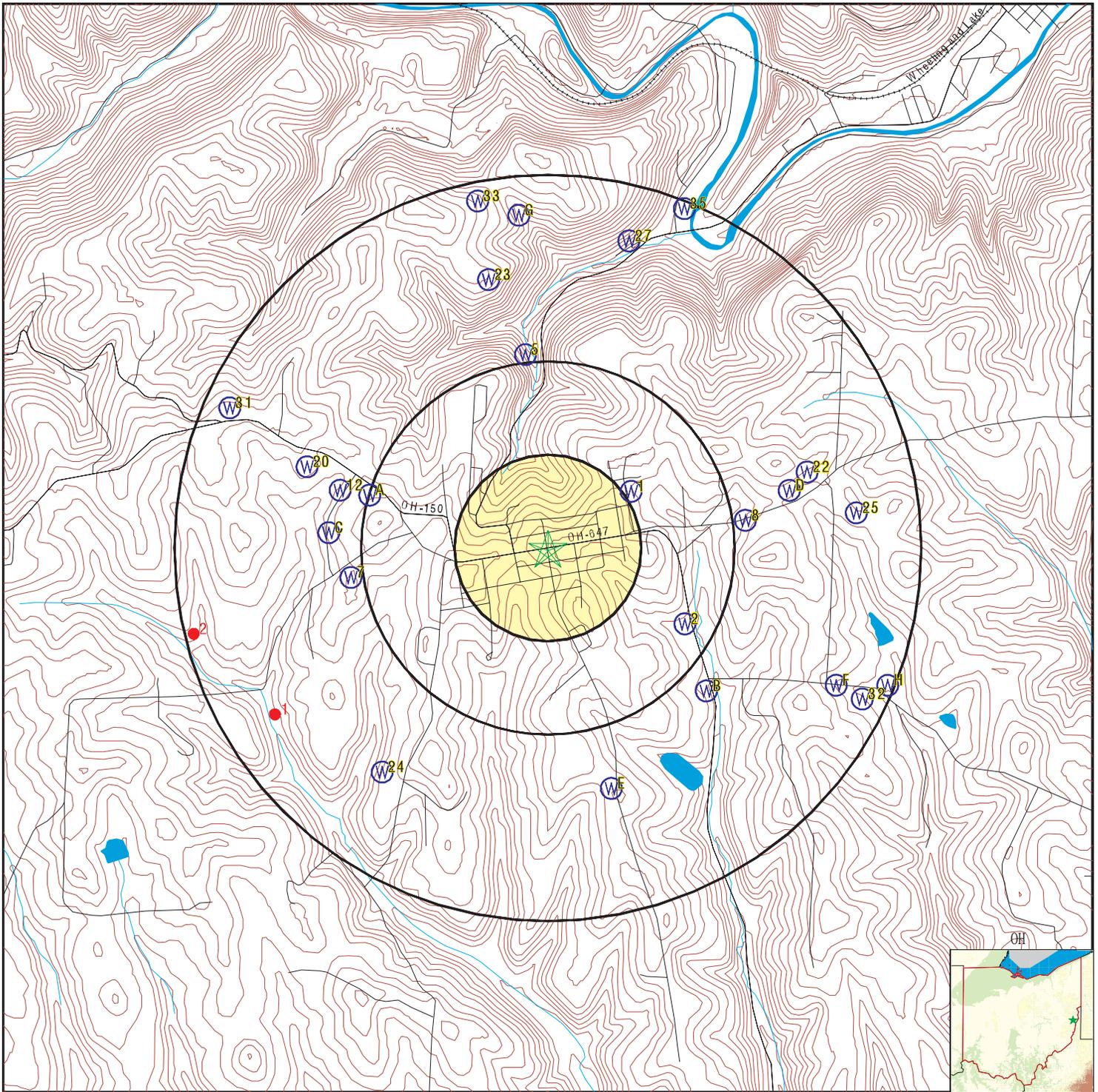
| MAP ID | WELL ID | LOCATION FROM TP |
|--------|------------------|---------------------|
| 1 | OHD700000042853 | 1/4 - 1/2 Mile NE |
| 2 | OHD700000042883 | 1/4 - 1/2 Mile ESE |
| A3 | OHD700000042687 | 1/4 - 1/2 Mile WNW |
| A4 | OHD700000042686 | 1/4 - 1/2 Mile WNW |
| 5 | OHD700000041720 | 1/2 - 1 Mile North |
| A6 | OHD700000042685 | 1/2 - 1 Mile WNW |
| 7 | OHD700000042690 | 1/2 - 1 Mile West |
| 8 | OHD700000042854 | 1/2 - 1 Mile East |
| B9 | OHD700000042884 | 1/2 - 1 Mile SE |
| B10 | OHD700000042885 | 1/2 - 1 Mile SE |
| C11 | OHD700000042688 | 1/2 - 1 Mile West |
| 12 | OHD700000042684 | 1/2 - 1 Mile WNW |
| B13 | OHD700000040783 | 1/2 - 1 Mile SE |
| B14 | OHD700000040784 | 1/2 - 1 Mile SE |
| C15 | OHD700000042689 | 1/2 - 1 Mile West |
| D16 | OHD700000042855 | 1/2 - 1 Mile ENE |
| E17 | OHD700000042882 | 1/2 - 1 Mile SSE |
| D18 | OHD7000000327566 | 1/2 - 1 Mile ENE |
| D19 | OHD700000042856 | 1/2 - 1 Mile ENE |
| 20 | OHD700000042683 | 1/2 - 1 Mile WNW |
| E21 | OHD700000040785 | 1/2 - 1 Mile SSE |
| 22 | OHD700000042857 | 1/2 - 1 Mile ENE |
| 24 | OHD700000042880 | 1/2 - 1 Mile SW |
| 25 | OHD700000042858 | 1/2 - 1 Mile East |
| F26 | OHD700000040789 | 1/2 - 1 Mile ESE |
| 27 | OHD700000041724 | 1/2 - 1 Mile NNE |
| F28 | OHD700000040790 | 1/2 - 1 Mile ESE |
| 31 | OHD700000042682 | 1/2 - 1 Mile WNW |
| 32 | OHD700000040791 | 1/2 - 1 Mile ESE |
| H34 | OHD700000040792 | 1/2 - 1 Mile ESE |
| 35 | OHPWS6000002602 | 1/2 - 1 Mile NNE |
| H36 | OHD700000147632 | 1/2 - 1 Mile ESE |

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

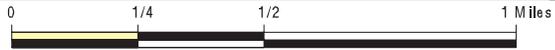
| MAP ID | WELL ID | LOCATION FROM TP |
|--------|-----------------|---------------------|
| 1 | OHOG10000087338 | 1/2 - 1 Mile WSW |
| 2 | OHOG10000087331 | 1/2 - 1 Mile WSW |

PHYSICAL SETTING SOURCE MAP - 5026309.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Oil, gas or related wells



SITE NAME: Mt. Pleasant Water Line
 ADDRESS: 243 Union St.
 Dillonvale OH 43917
 LAT/LONG: 40.175476 / 80.798756

CLIENT: Hull & Associates, Inc.
 CONTACT: Nick Kasper
 INQUIRY #: 5026309.2s
 DATE: August 18, 2017 10:36 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

| | | |
|-----------------------|--|------------------------|
| 1 | | |
| NE | | OH WELLS |
| 1/4 - 1/2 Mile | | OHD700000042853 |
| Lower | | |

| | | | |
|-------------|--------------|-------------|--------------|
| Well log n: | 181394 | U version: | ! |
| Well type : | WATER WELL | | |
| End user i: | 2007 | | |
| Cnty code: | 81 | Twp code: | 1890 |
| Orig owner: | LOGAN | Orig own 1: | YOST |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SANDSTONE |
| Loc map ye: | 1988 | Loc area: | Not Reported |
| Loc no: | 45 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 11 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 647 | St type co: | RD |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | Not Reported | | |
| Horiz x: | 2445052.88 | | |
| Horiz y: | 797681.57 | | |
| Horiz datu: | Not Reported | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1204 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.177676 | | |
| Longitude: | -80.794537 | | |
| Source of : | Not Reported | Flowing we: | N |
| Test rate: | 1 | | |
| Draw down: | 0 | | |
| Draw down : | 2 | | |
| S water le: | 36 | | |
| S water me: | Not Reported | S water 1: | 18991230 |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 98 | | |
| Date of co: | 19571108 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Date added: | 18991230 | Added by: | Not Reported |
| Date chang: | 18991230 | Changed by: | Not Reported |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|-----------------|-------------|--------------|
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD700000042853 | | |

2
ESE
1/4 - 1/2 Mile
Lower

OH WELLS OHD700000042883

| | | | |
|-------------|--------------|-------------|--------------|
| Well log n: | 351534 | | |
| Well type : | WATER WELL | U version: | ! |
| End user i: | 624 | | |
| Cnty code: | 81 | Twp code: | 1890 |
| Orig owner: | VIRGIL | Orig own 1: | MATTHEWS |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SHALE |
| Loc map ye: | 1988 | Loc area: | Not Reported |
| Loc no: | 78 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 10 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 647 | St type co: | SR |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | Not Reported | | |
| Horiz x: | 2445848.33 | | |
| Horiz y: | 795820.08 | | |
| Horiz datu: | Not Reported | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1132 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.172528 | | |
| Longitude: | -80.791815 | | |
| Source of : | Not Reported | Flowing we: | N |
| Test rate: | 3 | | |
| Draw down: | 40 | | |
| Draw down : | .5 | | |
| S water le: | 13 | | |
| S water me: | Not Reported | S water 1: | 18991230 |
| Cas ht: | 0 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|-----------------|-------------|--------------|
| Screen len: | 0 | | |
| Total dept: | 61 | | |
| Date of co: | 19670905 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Date added: | 18991230 | Added by: | Not Reported |
| Date chang: | 18991230 | Changed by: | Not Reported |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD700000042883 | | |

A3
WNW
1/4 - 1/2 Mile
Lower

OH WELLS OHD700000042687

| | | | |
|-------------|--------------|-------------|--------------|
| Well log n: | 282722 | | |
| Well type : | WATER WELL | U version: | ! |
| End user i: | 2007 | | |
| Cnty code: | 81 | Twp code: | 1890 |
| Orig owner: | F | Orig own 1: | REGOLI |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SHALE |
| Loc map ye: | 1988 | Loc area: | Not Reported |
| Loc no: | 41 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 0 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 150 | St type co: | SR |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | Not Reported | | |
| Horiz x: | 2441490.88 | | |
| Horiz y: | 797450.57 | | |
| Horiz datu: | Not Reported | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1229 | | |
| Vert acc: | 0 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|-----------------|-------------|--------------|
| Vert acc u: | Not Reported | | |
| Latitude: | 40.177226 | | |
| Longitude: | -80.807297 | | |
| Source of : | Not Reported | Flowing we: | N |
| Test rate: | 4 | | |
| Draw down: | 30 | | |
| Draw down : | 1 | | |
| S water le: | 24 | | |
| S water me: | Not Reported | S water 1: | 18991230 |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 71 | | |
| Date of co: | 19630713 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Date added: | 18991230 | Added by: | Not Reported |
| Date chang: | 18991230 | Changed by: | Not Reported |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD700000042687 | | |

**A4
WNW
1/4 - 1/2 Mile
Lower**

OH WELLS OHD700000042686

| | | | |
|-------------|--------------|-------------|--------------|
| Well log n: | 432355 | | |
| Well type : | WATER WELL | U version: | ! |
| End user i: | 2007 | | |
| Cnty code: | 81 | Twp code: | 1890 |
| Orig owner: | KENNETH | Orig own 1: | DUNDY |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SANDSTONE |
| Loc map ye: | 1988 | Loc area: | Not Reported |
| Loc no: | 40 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 0 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 150 | St type co: | SR |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|-----------------|-------------|--------------|
| Zone code: | Not Reported | | |
| Horiz x: | 2441354.65 | | |
| Horiz y: | 797560.97 | | |
| Horiz datu: | Not Reported | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1216 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.177543 | | |
| Longitude: | -80.807778 | | |
| Source of : | Not Reported | Flowing we: | N |
| Test rate: | 40 | | |
| Draw down: | 6 | | |
| Draw down : | 1 | | |
| S water le: | 46 | | |
| S water me: | Not Reported | S water 1: | 18991230 |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 81 | | |
| Date of co: | 19720814 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Date added: | 18991230 | Added by: | Not Reported |
| Date chang: | 18991230 | Changed by: | Not Reported |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | Not Reported | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD700000042686 | | |

5

**North
1/2 - 1 Mile
Lower**

OH WELLS

OHD700000041720

| | | | |
|-------------|--------------|-------------|----------------------|
| Well log n: | 9941051 | | |
| Well type : | WATER WELL | U version: | ! |
| End user i: | 2750 | | |
| Cnty code: | 81 | Twp code: | 1890 |
| Orig owner: | Not Reported | Orig own 1: | VILLAGE OF MT. PLEAS |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SHALE |
| Loc map ye: | 1945 | Loc area: | Not Reported |
| Loc no: | 160 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|-----------------|-------------|--------------|
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 0 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | Not Reported | St type co: | Not Reported |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | Not Reported | | |
| Horiz x: | 2443524.5 | | |
| Horiz y: | 799587.57 | | |
| Horiz datu: | Not Reported | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 927 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.18299 | | |
| Longitude: | -80.799882 | | |
| Source of : | Not Reported | Flowing we: | N |
| Test rate: | 55 | | |
| Draw down: | 0 | | |
| Draw down : | 48 | | |
| S water le: | 0 | | |
| S water me: | Not Reported | S water 1: | 18991230 |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 230 | | |
| Date of co: | 19481201 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Date added: | 18991230 | Added by: | Not Reported |
| Date chang: | 18991230 | Changed by: | Not Reported |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | Not Reported | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD700000041720 | | |

A6
WNW
1/2 - 1 Mile
Lower

OH WELLS OHD700000042685

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|--------------|-------------|--------------|
| Well log n: | 282724 | U version: | ! |
| Well type : | WATER WELL | | |
| End user i: | 2007 | | |
| Cnty code: | 81 | Twp code: | 1890 |
| Orig owner: | CURTISS | Orig own 1: | HUSSERY |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SANDSTONE |
| Loc map ye: | 1988 | Loc area: | Not Reported |
| Loc no: | 39 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 0 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 150 | St type co: | SR |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | Not Reported | | |
| Horiz x: | 2441227.01 | | |
| Horiz y: | 797660.61 | | |
| Horiz datu: | Not Reported | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1205 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.177815 | | |
| Longitude: | -80.808231 | | |
| Source of : | Not Reported | Flowing we: | N |
| Test rate: | 50 | | |
| Draw down: | 8 | | |
| Draw down : | 2 | | |
| S water le: | 35 | | |
| S water me: | Not Reported | S water 1: | 18991230 |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 66 | | |
| Date of co: | 19630725 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Date added: | 18991230 | Added by: | Not Reported |
| Date chang: | 18991230 | Changed by: | Not Reported |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|-----------------|-------------|--------------|
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD700000042685 | | |

**7
West
1/2 - 1 Mile
Lower**

OH WELLS OHD700000042690

| | | | |
|-------------|--------------|-------------|--------------|
| Well log n: | 538601 | U version: | ! |
| Well type : | WATER WELL | | |
| End user i: | 624 | | |
| Cnty code: | 81 | Twp code: | 1890 |
| Orig owner: | ORVAL | Orig own 1: | GOSNELL |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | LIMESTONE |
| Loc map ye: | 1988 | Loc area: | Not Reported |
| Loc no: | 44 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 16 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 102 | St type co: | SR |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | Not Reported | | |
| Horiz x: | 2441113.92 | | |
| Horiz y: | 796386.83 | | |
| Horiz datu: | Not Reported | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1201 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.174327 | | |
| Longitude: | -80.808722 | | |
| Source of : | Not Reported | Flowing we: | N |
| Test rate: | 5 | | |
| Draw down: | 40 | | |
| Draw down : | .5 | | |
| S water le: | 41 | | |
| S water me: | Not Reported | S water 1: | 18991230 |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 85 | | |
| Date of co: | 19800705 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Date added: | 18991230 | Added by: | Not Reported |
| Date chang: | 18991230 | Changed by: | Not Reported |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|-----------------|-------------|--------------|
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | Not Reported | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD700000042690 | | |

**8
East
1/2 - 1 Mile
Lower**

OH WELLS OHD700000042854

| | | | |
|-------------|--------------|-------------|--------------|
| Well log n: | 522936 | | |
| Well type : | WATER WELL | U version: | ! |
| End user i: | 624 | | |
| Cnty code: | 81 | Twp code: | 1890 |
| Orig owner: | JIM | Orig own 1: | HARRIS |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SHALE |
| Loc map ye: | 1988 | Loc area: | Not Reported |
| Loc no: | 46 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 5 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 1 | St type co: | CR |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | Not Reported | | |
| Horiz x: | 2446675.59 | | |
| Horiz y: | 797300.53 | | |
| Horiz datu: | Not Reported | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1200 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.17655 | | |
| Longitude: | -80.788756 | | |
| Source of : | Not Reported | Flowing we: | N |
| Test rate: | 5 | | |
| Draw down: | 54 | | |
| Draw down : | .5 | | |
| S water le: | 44 | | |
| S water me: | Not Reported | S water 1: | 18991230 |
| Cas ht: | 0 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|-----------------|-------------|--------------|
| Screen len: | 0 | | |
| Total dept: | 98 | | |
| Date of co: | 19790721 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Date added: | 18991230 | Added by: | Not Reported |
| Date chang: | 18991230 | Changed by: | Not Reported |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | Not Reported | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD700000042854 | | |

**B9
SE
1/2 - 1 Mile
Lower**

OH WELLS OHD700000042884

| | | | |
|-------------|--------------|-------------|--------------|
| Well log n: | 595351 | | |
| Well type : | WATER WELL | U version: | ! |
| End user i: | 624 | | |
| Cnty code: | 81 | Twp code: | 1890 |
| Orig owner: | KEN | Orig own 1: | BAKER |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SHALE |
| Loc map ye: | 1988 | Loc area: | Not Reported |
| Loc no: | 79 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 10 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 647/ZEYER | St type co: | SR |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | Not Reported | | |
| Horiz x: | 2446111.97 | | |
| Horiz y: | 795034.38 | | |
| Horiz datu: | Not Reported | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1116 | | |
| Vert acc: | 0 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|-----------------|-------------|--------------|
| Vert acc u: | Not Reported | | |
| Latitude: | 40.170364 | | |
| Longitude: | -80.790926 | | |
| Source of : | Not Reported | Flowing we: | N |
| Test rate: | 6 | | |
| Draw down: | 62 | | |
| Draw down : | .5 | | |
| S water le: | 21 | | |
| S water me: | Not Reported | S water 1: | 18991230 |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 85 | | |
| Date of co: | 19810427 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Date added: | 18991230 | Added by: | Not Reported |
| Date chang: | 18991230 | Changed by: | Not Reported |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | Not Reported | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD700000042884 | | |

**B10
SE
1/2 - 1 Mile
Lower**

OH WELLS OHD700000042885

| | | | |
|-------------|--------------|-------------|--------------|
| Well log n: | 377038 | | |
| Well type : | WATER WELL | U version: | ! |
| End user i: | 2007 | | |
| Cnty code: | 81 | Twp code: | 1890 |
| Orig owner: | MAGARET | Orig own 1: | DAUGHERTY |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | LIMESTONE |
| Loc map ye: | 1988 | Loc area: | Not Reported |
| Loc no: | 80 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 0 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 647 | St type co: | RD |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|-----------------|-------------|--------------|
| Zone code: | Not Reported | | |
| Horiz x: | 2446144.98 | | |
| Horiz y: | 794914.77 | | |
| Horiz datu: | Not Reported | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1109 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.170029 | | |
| Longitude: | -80.790816 | | |
| Source of : | Not Reported | Flowing we: | N |
| Test rate: | 6 | | |
| Draw down: | 8 | | |
| Draw down : | 1 | | |
| S water le: | 28 | | |
| S water me: | Not Reported | S water 1: | 18991230 |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 61 | | |
| Date of co: | 19710426 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Date added: | 18991230 | Added by: | Not Reported |
| Date chang: | 18991230 | Changed by: | Not Reported |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | Not Reported | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD700000042885 | | |

**C11
West
1/2 - 1 Mile
Lower**

OH WELLS OHD700000042688

| | | | |
|-------------|--------------|-------------|--------------|
| Well log n: | 432366 | | |
| Well type : | WATER WELL | U version: | ! |
| End user i: | 2007 | | |
| Cnty code: | 81 | Twp code: | 1890 |
| Orig owner: | STANLEY | Orig own 1: | MAZELOSKI |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | LIMESTONE |
| Loc map ye: | 1988 | Loc area: | Not Reported |
| Loc no: | 42 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|-----------------|-------------|--------------|
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 0 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | ORCHARD VIEW | St type co: | RD |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | Not Reported | | |
| Horiz x: | 2440889.97 | | |
| Horiz y: | 797151.46 | | |
| Horiz datu: | Not Reported | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1202 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.17644 | | |
| Longitude: | -80.809474 | | |
| Source of : | Not Reported | Flowing we: | N |
| Test rate: | 40 | | |
| Draw down: | 6 | | |
| Draw down : | 1 | | |
| S water le: | 42 | | |
| S water me: | Not Reported | S water 1: | 18991230 |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 74 | | |
| Date of co: | 19730911 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Date added: | 18991230 | Added by: | Not Reported |
| Date chang: | 18991230 | Changed by: | Not Reported |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | Not Reported | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD700000042688 | | |

12
WNW
1/2 - 1 Mile
Lower

OH WELLS OHD700000042684

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|--------------|-------------|--------------|
| Well log n: | 377037 | U version: | ! |
| Well type : | WATER WELL | | |
| End user i: | 2007 | | |
| Cnty code: | 81 | Twp code: | 1890 |
| Orig owner: | JAMES | Orig own 1: | CICHION |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SANDSTONE |
| Loc map ye: | 1988 | Loc area: | Not Reported |
| Loc no: | 38 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 18 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 150 | St type co: | SR |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | Not Reported | | |
| Horiz x: | 2440937.12 | | |
| Horiz y: | 797618.74 | | |
| Horiz datu: | Not Reported | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1185 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.17772 | | |
| Longitude: | -80.809269 | | |
| Source of : | Not Reported | Flowing we: | N |
| Test rate: | 20 | | |
| Draw down: | 6 | | |
| Draw down : | 1 | | |
| S water le: | 37 | | |
| S water me: | Not Reported | S water 1: | 18991230 |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 69 | | |
| Date of co: | 19710329 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Date added: | 18991230 | Added by: | Not Reported |
| Date chang: | 18991230 | Changed by: | Not Reported |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | Not Reported | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|-----------------|-------------|--------------|
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD700000042684 | | |

B13
SE
1/2 - 1 Mile
Lower

OH WELLS OHD700000040783

| | | | |
|-------------|--------------|-------------|--------------|
| Well log n: | 121110 | U version: | ! |
| Well type : | WATER WELL | | |
| End user i: | 2007 | | |
| Cnty code: | 81 | Twp code: | 1890 |
| Orig owner: | PAUL | Orig own 1: | STERLING |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | LIMESTONE |
| Loc map ye: | 1988 | Loc area: | Not Reported |
| Loc no: | 81 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 10 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 647 | St type co: | RD |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | Not Reported | | |
| Horiz x: | 2446200.21 | | |
| Horiz y: | 794802.86 | | |
| Horiz datu: | Not Reported | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1111 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.169724 | | |
| Longitude: | -80.790627 | | |
| Source of : | Not Reported | Flowing we: | N |
| Test rate: | 5 | | |
| Draw down: | 58 | | |
| Draw down : | 1 | | |
| S water le: | 38 | | |
| S water me: | Not Reported | S water 1: | 18991230 |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 71 | | |
| Date of co: | 19540722 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Date added: | 18991230 | Added by: | Not Reported |
| Date chang: | 18991230 | Changed by: | Not Reported |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|-----------------|-------------|--------------|
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD700000040783 | | |

**B14
SE
1/2 - 1 Mile
Lower**

OH WELLS OHD700000040784

| | | | |
|-------------|--------------|-------------|--------------|
| Well log n: | 432368 | | |
| Well type : | WATER WELL | U version: | ! |
| End user i: | 2007 | | |
| Cnty code: | 81 | Twp code: | 1890 |
| Orig owner: | JAMES | Orig own 1: | BLAZY |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SANDSTONE |
| Loc map ye: | 1988 | Loc area: | Not Reported |
| Loc no: | 82 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 0 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 150 | St type co: | SR |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | Not Reported | | |
| Horiz x: | 2446223.6 | | |
| Horiz y: | 794748.64 | | |
| Horiz datu: | Not Reported | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1110 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.169571 | | |
| Longitude: | -80.790553 | | |
| Source of : | Not Reported | Flowing we: | N |
| Test rate: | 12 | | |
| Draw down: | 4 | | |
| Draw down : | 1 | | |
| S water le: | 41 | | |
| S water me: | Not Reported | S water 1: | 18991230 |
| Cas ht: | 0 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|-----------------|-------------|--------------|
| Screen len: | 0 | | |
| Total dept: | 73 | | |
| Date of co: | 19731127 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Date added: | 18991230 | Added by: | Not Reported |
| Date chang: | 18991230 | Changed by: | Not Reported |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | Not Reported | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD700000040784 | | |

C15
West
1/2 - 1 Mile
Lower

OH WELLS OHD700000042689

| | | | |
|-------------|--------------|-------------|--------------|
| Well log n: | 449934 | | |
| Well type : | WATER WELL | U version: | ! |
| End user i: | 624 | | |
| Cnty code: | 81 | Twp code: | 1890 |
| Orig owner: | WAYNE | Orig own 1: | GOSWELL |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | LIMESTONE |
| Loc map ye: | 1988 | Loc area: | Not Reported |
| Loc no: | 43 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 17 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | ORCHARD VIEW | St type co: | RD |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | Not Reported | | |
| Horiz x: | 2440688.26 | | |
| Horiz y: | 796878.05 | | |
| Horiz datu: | Not Reported | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1166 | | |
| Vert acc: | 0 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|-----------------|-------------|--------------|
| Vert acc u: | Not Reported | | |
| Latitude: | 40.175698 | | |
| Longitude: | -80.810211 | | |
| Source of : | Not Reported | Flowing we: | N |
| Test rate: | 12 | | |
| Draw down: | 45 | | |
| Draw down : | .5 | | |
| S water le: | 18 | | |
| S water me: | Not Reported | S water 1: | 18991230 |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 70 | | |
| Date of co: | 19731222 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Date added: | 18991230 | Added by: | Not Reported |
| Date chang: | 18991230 | Changed by: | Not Reported |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | Not Reported | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD700000042689 | | |

**D16
ENE
1/2 - 1 Mile
Lower**

OH WELLS OHD700000042855

| | | | |
|-------------|--------------|-------------|--------------|
| Well log n: | 351519 | | |
| Well type : | WATER WELL | U version: | ! |
| End user i: | 624 | | |
| Cnty code: | 81 | Twp code: | 1890 |
| Orig owner: | TED | Orig own 1: | KOVALSKI |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | LIMESTONE |
| Loc map ye: | 1988 | Loc area: | Not Reported |
| Loc no: | 47 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 11 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 1 | St type co: | CR |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|-----------------|-------------|--------------|
| Zone code: | Not Reported | | |
| Horiz x: | 2447125.71 | | |
| Horiz y: | 797735.39 | | |
| Horiz datu: | Not Reported | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1233 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.17772 | | |
| Longitude: | -80.787115 | | |
| Source of : | Not Reported | Flowing we: | N |
| Test rate: | 1 | | |
| Draw down: | 50 | | |
| Draw down : | .5 | | |
| S water le: | 25 | | |
| S water me: | Not Reported | S water 1: | 18991230 |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 80 | | |
| Date of co: | 19661207 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Date added: | 18991230 | Added by: | Not Reported |
| Date chang: | 18991230 | Changed by: | Not Reported |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD700000042855 | | |

**E17
SSE
1/2 - 1 Mile
Lower**

OH WELLS OHD700000042882

| | | | |
|-------------|--------------|-------------|--------------|
| Well log n: | 181369 | | |
| Well type : | WATER WELL | U version: | ! |
| End user i: | 2007 | | |
| Cnty code: | 81 | Twp code: | 1890 |
| Orig owner: | ROBERT | Orig own 1: | KRINKE |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SANDSTONE |
| Loc map ye: | 1988 | Loc area: | Not Reported |
| Loc no: | 77 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|-----------------|-------------|--------------|
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 4 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 150 | St type co: | SR |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | Not Reported | | |
| Horiz x: | 2444725.86 | | |
| Horiz y: | 793536.12 | | |
| Horiz datu: | Not Reported | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1205 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.166321 | | |
| Longitude: | -80.795989 | | |
| Source of : | Not Reported | Flowing we: | N |
| Test rate: | 4 | | |
| Draw down: | 0 | | |
| Draw down : | 1 | | |
| S water le: | 52 | | |
| S water me: | Not Reported | S water 1: | 18991230 |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 77 | | |
| Date of co: | 19560927 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Date added: | 18991230 | Added by: | Not Reported |
| Date chang: | 18991230 | Changed by: | Not Reported |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD700000042882 | | |

D18
ENE
1/2 - 1 Mile
Lower

OH WELLS OHD700000327566

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|---------------------------|-------------|--------------|
| Well log n: | 2000313 | U version: | Not Reported |
| Well type : | WATER WELL | | |
| End user i: | 685 | | |
| Cnty code: | 81 | Twp code: | 1890 |
| Orig owner: | JERRY | Orig own 1: | SEMPIREK |
| Drill type: | AIR ROTARY | Test type : | A |
| Well use c: | DOMESTIC | Aquifer ty: | LIMESTONE |
| Loc map ye: | Not Reported | Loc area: | Not Reported |
| Loc no: | 0 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | 2005-020 |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 11 | | |
| St dir cod: | Not Reported | | |
| St no: | 426 | | |
| St name: | 1 | St type co: | CR |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | RAYLAND | State code: | OH |
| Zip: | 43943 | | |
| Zone code: | S | | |
| Horiz x: | 2447316.12 | | |
| Horiz y: | 797717.14 | | |
| Horiz datu: | NAD27 | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1225 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.17766 | | |
| Longitude: | -80.78644 | | |
| Source of : | GLOBAL POSITIONING SYSTEM | Flowing we: | N |
| Test rate: | 20 | | |
| Draw down: | 55 | | |
| Draw down : | .3 | | |
| S water le: | 70 | | |
| S water me: | 0 | S water 1: | 20051118 |
| Cas ht: | 1.4 | | |
| Screen len: | 0 | | |
| Total dept: | 125 | | |
| Date of co: | 20051118 | Located in: | Not Reported |
| Assoc rpt : | N | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Date added: | 18991230 | Added by: | Not Reported |
| Date chang: | 20060815 | Changed by: | Not Reported |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 1 | | |
| Attatch st: | Not Reported | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | SUBMERSIBLE | | |
| Pump capac: | 7 | | |
| Pump set a: | 115 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|--------------------|-------------|----------------|
| Pitless ty: | Not Reported | Pump inst : | CURRY DRILLING |
| Elev sourc: | TERRESTRIAL SURVEY | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD700000327566 | | |

**D19
ENE
1/2 - 1 Mile
Lower**

OH WELLS OHD700000042856

| | | | |
|-------------|--------------|-------------|--------------|
| Well log n: | 600155 | U version: | ! |
| Well type : | WATER WELL | | |
| End user i: | 1150 | | |
| Cnty code: | 81 | Twp code: | 1890 |
| Orig owner: | JERRY | Orig own 1: | SEMPIREK |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SANDSTONE |
| Loc map ye: | 1988 | Loc area: | Not Reported |
| Loc no: | 48 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 11 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 1 | St type co: | CR |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | Not Reported | | |
| Horiz x: | 2447374.79 | | |
| Horiz y: | 797718.25 | | |
| Horiz datu: | Not Reported | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1220 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.177662 | | |
| Longitude: | -80.786225 | | |
| Source of : | Not Reported | Flowing we: | N |
| Test rate: | 13 | | |
| Draw down: | 100 | | |
| Draw down : | .5 | | |
| S water le: | 53 | | |
| S water me: | Not Reported | S water 1: | 18991230 |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 136 | | |
| Date of co: | 19811209 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Date added: | 18991230 | Added by: | Not Reported |
| Date chang: | 18991230 | Changed by: | Not Reported |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|-----------------|-------------|--------------|
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | Not Reported | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD700000042856 | | |

**20
WNW
1/2 - 1 Mile
Lower**

OH WELLS OHD700000042683

| | | | |
|-------------|--------------|-------------|--------------|
| Well log n: | 282725 | | |
| Well type : | WATER WELL | U version: | ! |
| End user i: | 2007 | | |
| Cnty code: | 81 | Twp code: | 1890 |
| Orig owner: | R | Orig own 1: | CACNINA |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SANDSTONE |
| Loc map ye: | 1988 | Loc area: | Not Reported |
| Loc no: | 37 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 0 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 150 | St type co: | SR |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | Not Reported | | |
| Horiz x: | 2440464.33 | | |
| Horiz y: | 797941.47 | | |
| Horiz datu: | Not Reported | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1204 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.178629 | | |
| Longitude: | -80.810943 | | |
| Source of : | Not Reported | Flowing we: | N |
| Test rate: | 6 | | |
| Draw down: | 20 | | |
| Draw down : | 1 | | |
| S water le: | 25 | | |
| S water me: | Not Reported | S water 1: | 18991230 |
| Cas ht: | 0 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|-----------------|-------------|--------------|
| Screen len: | 0 | | |
| Total dept: | 100 | | |
| Date of co: | 19630805 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Date added: | 18991230 | Added by: | Not Reported |
| Date chang: | 18991230 | Changed by: | Not Reported |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD700000042683 | | |

**E21
SSE
1/2 - 1 Mile
Lower**

OH WELLS OHD700000040785

| | | | |
|-------------|--------------|-------------|--------------|
| Well log n: | 470488 | | |
| Well type : | WATER WELL | U version: | ! |
| End user i: | 624 | | |
| Cnty code: | 81 | Twp code: | 1890 |
| Orig owner: | CHARLES | Orig own 1: | PELKEY |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | LIMESTONE |
| Loc map ye: | 1988 | Loc area: | Not Reported |
| Loc no: | 83 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 10 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 100 | St type co: | TR |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | Not Reported | | |
| Horiz x: | 2444979.97 | | |
| Horiz y: | 793402.46 | | |
| Horiz datu: | Not Reported | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1221 | | |
| Vert acc: | 0 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|-----------------|-------------|--------------|
| Vert acc u: | Not Reported | | |
| Latitude: | 40.165944 | | |
| Longitude: | -80.795093 | | |
| Source of : | Not Reported | Flowing we: | N |
| Test rate: | 5 | | |
| Draw down: | 44 | | |
| Draw down : | .5 | | |
| S water le: | 51 | | |
| S water me: | Not Reported | S water 1: | 18991230 |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 95 | | |
| Date of co: | 19751213 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Date added: | 18991230 | Added by: | Not Reported |
| Date chang: | 18991230 | Changed by: | Not Reported |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | Not Reported | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD700000040785 | | |

22
ENE
1/2 - 1 Mile
Higher

OH WELLS OHD700000042857

| | | | |
|-------------|--------------|-------------|--------------|
| Well log n: | 600156 | | |
| Well type : | WATER WELL | U version: | ! |
| End user i: | 1150 | | |
| Cnty code: | 81 | Twp code: | 1890 |
| Orig owner: | JOHN | Orig own 1: | FINNEY |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SANDSTONE |
| Loc map ye: | 1988 | Loc area: | Not Reported |
| Loc no: | 49 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 11 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 1 | St type co: | CR |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|-----------------|-------------|--------------|
| Zone code: | Not Reported | | |
| Horiz x: | 2447537.1 | | |
| Horiz y: | 798001.9 | | |
| Horiz datu: | Not Reported | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1238 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.178427 | | |
| Longitude: | -80.78563 | | |
| Source of : | Not Reported | Flowing we: | N |
| Test rate: | 13 | | |
| Draw down: | 90 | | |
| Draw down : | .5 | | |
| S water le: | 65 | | |
| S water me: | Not Reported | S water 1: | 18991230 |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 155 | | |
| Date of co: | 19811209 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Date added: | 18991230 | Added by: | Not Reported |
| Date chang: | 18991230 | Changed by: | Not Reported |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | Not Reported | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD700000042857 | | |

23
NNW
 1/2 - 1 Mile
 Lower

FED USGS USGS40000955184

| | | | |
|-----------------------------|--------------------------------|-----------------------|--------------|
| Org. Identifier: | USGS-OH | | |
| Formal name: | USGS Ohio Water Science Center | | |
| Monloc Identifier: | USGS-401109080480700 | | |
| Monloc name: | JE-102 JO8 C-1 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 05030106 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 40.1859038 |
| Longitude: | -80.8017521 | Sourcemap scale: | 24000 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|--------------------------|-----------------------------------|--------------------------|--------------|
| Horiz Acc measure: | 1 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 1140.00 |
| Vert measure units: | feet | Vertacc measure val: | 10. |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Not Reported | | |
| Formation type: | Not Reported | | |
| Aquifer type: | Not Reported | | |
| Construction date: | 19760318 | Welldepth: | Not Reported |
| Welldepth units: | Not Reported | Wellholedepth: | 245 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 0

**24
SW
1/2 - 1 Mile
Lower**

OH WELLS OHD700000042880

| | | | |
|-------------|--------------|-------------|--------------|
| Well log n: | 498083 | | |
| Well type : | WATER WELL | U version: | ! |
| End user i: | 2341 | | |
| Cnty code: | 81 | Twp code: | 1890 |
| Orig owner: | HARRY | Orig own 1: | OWENS |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SANDSTONE |
| Loc map ye: | 1988 | Loc area: | Not Reported |
| Loc no: | 75 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 16 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 104 | St type co: | TR |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | Not Reported | | |
| Horiz x: | 2441607.02 | | |
| Horiz y: | 793641.42 | | |
| Horiz datu: | Not Reported | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1141 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.166766 | | |
| Longitude: | -80.807144 | | |
| Source of : | Not Reported | Flowing we: | N |
| Test rate: | 1 | | |
| Draw down: | 135 | | |
| Draw down : | 2 | | |
| S water le: | 50 | | |
| S water me: | Not Reported | S water 1: | 18991230 |
| Cas ht: | 0 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|-----------------|-------------|--------------|
| Screen len: | 0 | | |
| Total dept: | 185 | | |
| Date of co: | 19770826 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Date added: | 18991230 | Added by: | Not Reported |
| Date chang: | 18991230 | Changed by: | Not Reported |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | Not Reported | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD700000042880 | | |

**25
East
1/2 - 1 Mile
Lower**

OH WELLS OHD700000042858

| | | | |
|-------------|--------------|-------------|--------------------|
| Well log n: | 600158 | | |
| Well type : | WATER WELL | U version: | ! |
| End user i: | 1150 | | |
| Cnty code: | 81 | Twp code: | 1890 |
| Orig owner: | Not Reported | Orig own 1: | R & F COAL COMPANY |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | LIMESTONE |
| Loc map ye: | 1988 | Loc area: | Not Reported |
| Loc no: | 50 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 5 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 1 | St type co: | CR |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | Not Reported | | |
| Horiz x: | 2448243.8 | | |
| Horiz y: | 797435.97 | | |
| Horiz datu: | Not Reported | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1219 | | |
| Vert acc: | 0 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|-----------------|-------------|--------------|
| Vert acc u: | Not Reported | | |
| Latitude: | 40.176841 | | |
| Longitude: | -80.78314 | | |
| Source of : | Not Reported | Flowing we: | N |
| Test rate: | 2 | | |
| Draw down: | 100 | | |
| Draw down : | 2 | | |
| S water le: | 56 | | |
| S water me: | Not Reported | S water 1: | 18991230 |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 156 | | |
| Date of co: | 19820914 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Date added: | 18991230 | Added by: | Not Reported |
| Date chang: | 18991230 | Changed by: | Not Reported |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | Not Reported | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD700000042858 | | |

**F26
ESE
1/2 - 1 Mile
Lower**

OH WELLS OHD700000040789

| | | | |
|-------------|--------------|-------------|------------------|
| Well log n: | 605608 | | |
| Well type : | WATER WELL | U version: | ! |
| End user i: | 1199 | | |
| Cnty code: | 81 | Twp code: | 1890 |
| Orig owner: | Not Reported | Orig own 1: | RAYLAND |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SHELLS LIME SAND |
| Loc map ye: | 1988 | Loc area: | Not Reported |
| Loc no: | 87 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 0 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 106/3 | St type co: | TR |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|-----------------|-------------|--------------|
| Zone code: | Not Reported | | |
| Horiz x: | 2448005.49 | | |
| Horiz y: | 795121.31 | | |
| Horiz datu: | Not Reported | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1168 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.170504 | | |
| Longitude: | -80.784152 | | |
| Source of : | Not Reported | Flowing we: | N |
| Test rate: | 10 | | |
| Draw down: | 0 | | |
| Draw down : | 1 | | |
| S water le: | 30 | | |
| S water me: | Not Reported | S water 1: | 18991230 |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 65 | | |
| Date of co: | 19850131 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Date added: | 18991230 | Added by: | Not Reported |
| Date chang: | 18991230 | Changed by: | Not Reported |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | Not Reported | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD700000040789 | | |

27
NNE
1/2 - 1 Mile
Lower

OH WELLS OHD700000041724

| | | | |
|-------------|--------------|-------------|----------------------|
| Well log n: | 33809 | | |
| Well type : | WATER WELL | U version: | ! |
| End user i: | 2007 | | |
| Cnty code: | 81 | Twp code: | 1890 |
| Orig owner: | Not Reported | Orig own 1: | VILLAGE OF MT. PLEAS |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SHALE |
| Loc map ye: | 1945 | Loc area: | Not Reported |
| Loc no: | 165 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|-----------------|-------------|--------------|
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 0 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 150 | St type co: | RD |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | Not Reported | | |
| Horiz x: | 2444955.21 | | |
| Horiz y: | 801225.09 | | |
| Horiz datu: | Not Reported | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 820 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.187407 | | |
| Longitude: | -80.794648 | | |
| Source of : | Not Reported | Flowing we: | N |
| Test rate: | 30 | | |
| Draw down: | 34 | | |
| Draw down : | 17 | | |
| S water le: | 29 | | |
| S water me: | Not Reported | S water 1: | 18991230 |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 67 | | |
| Date of co: | 19480707 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Date added: | 18991230 | Added by: | Not Reported |
| Date chang: | 18991230 | Changed by: | Not Reported |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD700000041724 | | |

F28
ESE
1/2 - 1 Mile
Lower

OH WELLS OHD700000040790

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|---------------|-------------|--------------|
| Well log n: | 181368 | U version: | ! |
| Well type : | WATER WELL | | |
| End user i: | 2007 | | |
| Cnty code: | 81 | Twp code: | 1890 |
| Orig owner: | JULIUS | Orig own 1: | BANYAS |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SANDSTONE |
| Loc map ye: | 1988 | Loc area: | Not Reported |
| Loc no: | 88 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 4 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | RAYLAND RIDGE | St type co: | Not Reported |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | Not Reported | | |
| Horiz x: | 2448004.89 | | |
| Horiz y: | 794858.95 | | |
| Horiz datu: | Not Reported | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1171 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.169778 | | |
| Longitude: | -80.78417 | | |
| Source of : | Not Reported | Flowing we: | N |
| Test rate: | 40 | | |
| Draw down: | 2 | | |
| Draw down : | 1 | | |
| S water le: | 0 | | |
| S water me: | Not Reported | S water 1: | 18991230 |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 54 | | |
| Date of co: | 19560914 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Date added: | 18991230 | Added by: | Not Reported |
| Date chang: | 18991230 | Changed by: | Not Reported |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|-----------------|-------------|--------------|
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD700000040790 | | |

G29
North
1/2 - 1 Mile
Lower

FED USGS

USGS40000955189

| | | | |
|-----------------------------|-----------------------------------|--------------------------|--------------|
| Org. Identifier: | USGS-OH | | |
| Formal name: | USGS Ohio Water Science Center | | |
| Monloc Identifier: | USGS-401119080480700 | | |
| Monloc name: | JE-100 J08 W5-1 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 05030106 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 40.188126 |
| Longitude: | -80.8000853 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 5 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 1101.19 |
| Vert measure units: | feet | Vertacc measure val: | 10. |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Pennsylvanian aquifers | | |
| Formation type: | Monongahela Formation | | |
| Aquifer type: | Unconfined single aquifer | | |
| Construction date: | 19760416 | Welldepth: | 125 |
| Welldepth units: | ft | Wellholedepth: | 125 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 52

| Date | Feet below Surface | Feet to Sealevel | Date | Feet below Surface | Feet to Sealevel |
|------------|--------------------|------------------|------------|--------------------|------------------|
| 1980-12-15 | 58.11 | | 1980-11-19 | 58.86 | |
| 1980-10-17 | 58.84 | | 1980-09-15 | 58.38 | |
| 1980-08-20 | 57.00 | | 1980-07-15 | 58.38 | |
| 1980-06-12 | 57.81 | | 1980-05-20 | 58.01 | |
| 1980-04-16 | 57.06 | | 1980-03-13 | 58.11 | |
| 1980-02-12 | 58.78 | | 1980-01-15 | 58.02 | |
| 1979-12-20 | 58.39 | | 1979-11-19 | 58.70 | |
| 1979-10-16 | 58.14 | | 1979-09-26 | 58.95 | |
| 1979-08-23 | 58.08 | | 1979-08-02 | 58.92 | |
| 1979-06-26 | 58.89 | | 1979-05-29 | 56.30 | |
| 1979-04-18 | 57.86 | | 1979-03-20 | 58.20 | |
| 1979-02-28 | 56.76 | | 1979-01-25 | 57.50 | |
| 1978-12-27 | 58.30 | | 1978-11-14 | 58.99 | |
| 1978-10-04 | 59.13 | | 1978-08-08 | 59.11 | |
| 1978-07-18 | 58.99 | | 1978-06-01 | 58.50 | |
| 1978-04-25 | 58.25 | | 1978-03-28 | 58.98 | |
| 1977-12-19 | 58.47 | | 1977-11-22 | 59.10 | |
| 1977-10-26 | 59.16 | | 1977-09-19 | 59.10 | |
| 1977-08-03 | 58.98 | | 1977-07-12 | 59.00 | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

| Date | Feet below Surface | Feet to Sealevel | Date | Feet below Surface | Feet to Sealevel |
|------------|-----------------------|---------------------|------------|-----------------------|---------------------|
| 1977-06-28 | 58.97 | | 1977-06-13 | 58.87 | |
| 1977-05-10 | 58.09 | | 1977-04-12 | 57.87 | |
| 1977-03-10 | 58.49 | | 1977-02-16 | 58.95 | |
| 1976-12-03 | 59.20 | | 1976-11-11 | 58.94 | |
| 1976-10-19 | 59.24 | | 1976-09-14 | 59.24 | |
| 1976-08-18 | 59.14 | | 1976-07-29 | 58.59 | |
| 1976-06-18 | 59.09 | | 1976-05-18 | 59.10 | |

G30
North
1/2 - 1 Mile
Lower

FED USGS

USGS40000955190

| | | | |
|-----------------------------|-----------------------------------|--------------------------|--------------|
| Org. Identifier: | USGS-OH | | |
| Formal name: | USGS Ohio Water Science Center | | |
| Monloc Identifier: | USGS-401119080480701 | | |
| Monloc name: | JE-101 JO8 W2-2 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 05030106 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 40.1886816 |
| Longitude: | -80.8003631 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 5 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 1102.87 |
| Vert measure units: | feet | Vertacc measure val: | 10. |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Pennsylvanian aquifers | | |
| Formation type: | Monongahela Formation | | |
| Aquifer type: | Confined single aquifer | | |
| Construction date: | 19760413 | Welldepth: | 220 |
| Welldepth units: | ft | Wellholedepth: | 220 |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 49

| Date | Feet below Surface | Feet to Sealevel | Date | Feet below Surface | Feet to Sealevel |
|------------|-----------------------|---------------------|------------|-----------------------|---------------------|
| 1980-12-15 | 202.46 | | 1980-11-19 | 203.00 | |
| 1980-10-17 | 202.60 | | 1980-09-15 | 201.80 | |
| 1980-08-20 | 201.70 | | 1980-07-15 | 202.40 | |
| 1980-06-12 | 201.80 | | 1980-05-20 | 202.10 | |
| 1980-04-16 | 202.10 | | 1980-03-13 | 202.60 | |
| 1980-02-12 | 202.90 | | 1980-01-15 | 203.2 | |
| 1979-12-20 | 203.5 | | 1979-11-19 | 202.8 | |
| 1979-10-16 | 203.2 | | 1979-09-26 | 203.3 | |
| 1979-08-23 | 200.2 | | 1979-08-02 | 202.8 | |
| 1979-06-26 | 202.6 | | 1979-05-19 | 202.7 | |
| 1979-04-18 | 201.9 | | 1979-03-20 | 201.5 | |
| 1979-02-28 | 202.2 | | 1979-01-25 | 202.4 | |
| 1978-12-27 | 203.2 | | 1978-11-14 | 203.8 | |
| 1978-10-04 | 203.8 | | 1978-08-08 | 203.0 | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

| Date | Feet below Surface | Feet to Sealevel | Date | Feet below Surface | Feet to Sealevel |
|------------|-----------------------|---------------------|------------|-----------------------|---------------------|
| 1978-07-18 | 202.3 | | 1978-06-01 | 202.2 | |
| 1978-04-25 | 202.4 | | 1978-03-28 | 202.6 | |
| 1977-12-19 | 204.4 | | 1977-11-22 | 205.0 | |
| 1977-10-26 | 204.0 | | 1977-09-19 | 204.0 | |
| 1977-08-03 | 203.7 | | 1977-07-12 | 203.5 | |
| 1977-06-13 | 202.1 | | 1977-05-10 | 202.33 | |
| 1977-04-12 | 202.55 | | 1977-03-10 | 204.20 | |
| 1977-02-16 | 204.30 | | 1976-12-03 | 204.30 | |
| 1976-11-11 | 204.21 | | 1976-09-14 | 203.33 | |
| 1976-08-18 | 203.08 | | 1976-06-18 | 187.40 | |
| 1976-05-18 | 181.30 | | | | |

31
WNW
1/2 - 1 Mile
Higher

OH WELLS OHD700000042682

| | | | |
|-------------|--------------|-------------|--------------|
| Well log n: | 121116 | U version: | ! |
| Well type : | WATER WELL | | |
| End user i: | 2007 | | |
| Cnty code: | 81 | Twp code: | 1890 |
| Orig owner: | ROBERT | Orig own 1: | FREDERICK |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SHALE |
| Loc map ye: | 1988 | Loc area: | Not Reported |
| Loc no: | 36 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 0 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | St type co: | SR |
| St name: | 150 | | |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | State code: | OH |
| City: | Not Reported | | |
| Zip: | Not Reported | | |
| Zone code: | Not Reported | | |
| Horiz x: | 2439356.34 | | |
| Horiz y: | 798755.18 | | |
| Horiz datu: | Not Reported | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1244 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.180922 | | |
| Longitude: | -80.814854 | | |
| Source of : | Not Reported | Flowing we: | N |
| Test rate: | 8 | | |
| Draw down: | 15 | | |
| Draw down : | 1 | | |
| S water le: | 55 | | |
| S water me: | Not Reported | S water 1: | 18991230 |
| Cas ht: | 0 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|-----------------|-------------|--------------|
| Screen len: | 0 | | |
| Total dept: | 93 | | |
| Date of co: | 19550210 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Date added: | 18991230 | Added by: | Not Reported |
| Date chang: | 18991230 | Changed by: | Not Reported |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD700000042682 | | |

**32
ESE
1/2 - 1 Mile
Lower**

OH WELLS OHD700000040791

| | | | |
|-------------|--------------|-------------|--------------|
| Well log n: | 292944 | | |
| Well type : | WATER WELL | U version: | ! |
| End user i: | 624 | | |
| Cnty code: | 81 | Twp code: | 1890 |
| Orig owner: | CHARLES | Orig own 1: | BECCA |
| Drill type: | Not Reported | Test type : | Not Reported |
| Well use c: | Not Reported | Aquifer ty: | SANDSTONE |
| Loc map ye: | 1988 | Loc area: | Not Reported |
| Loc no: | 89 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 29 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | 1 | St type co: | CR |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | State code: | OH |
| Zip: | Not Reported | | |
| Zone code: | Not Reported | | |
| Horiz x: | 2448377.7 | | |
| Horiz y: | 794804.09 | | |
| Horiz datu: | Not Reported | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1142 | | |
| Vert acc: | 0 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|-----------------|-------------|--------------|
| Vert acc u: | Not Reported | | |
| Latitude: | 40.169606 | | |
| Longitude: | -80.782836 | | |
| Source of : | Not Reported | Flowing we: | N |
| Test rate: | 20 | | |
| Draw down: | 8 | | |
| Draw down : | 3 | | |
| S water le: | 79 | | |
| S water me: | Not Reported | S water 1: | 18991230 |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 96 | | |
| Date of co: | 19641130 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Date added: | 18991230 | Added by: | Not Reported |
| Date chang: | 18991230 | Changed by: | Not Reported |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | \\NRAS1\ | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD700000040791 | | |

33
NNW
1/2 - 1 Mile
Lower

FED USGS USGS40000955191

| | | | |
|-----------------------------|-----------------------------------|--------------------------|--------------|
| Org. Identifier: | USGS-OH | | |
| Formal name: | USGS Ohio Water Science Center | | |
| Monloc Identifier: | USGS-401120080480900 | | |
| Monloc name: | JE-102 J08 W4-3 | | |
| Monloc type: | Well | | |
| Monloc desc: | Not Reported | | |
| Huc code: | 05030106 | Drainagearea value: | Not Reported |
| Drainagearea Units: | Not Reported | Contrib drainagearea: | Not Reported |
| Contrib drainagearea units: | Not Reported | Latitude: | 40.1889593 |
| Longitude: | -80.8023077 | Sourcemap scale: | 24000 |
| Horiz Acc measure: | 5 | Horiz Acc measure units: | seconds |
| Horiz Collection method: | Interpolated from map | | |
| Horiz coord refsys: | NAD83 | Vert measure val: | 1101.46 |
| Vert measure units: | feet | Vertacc measure val: | 10. |
| Vert accmeasure units: | feet | | |
| Vertcollection method: | Interpolated from topographic map | | |
| Vert coord refsys: | NGVD29 | Countrycode: | US |
| Aquifername: | Pennsylvanian aquifers | | |
| Formation type: | Monongahela Formation | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|----------------------|-------------------------|----------------|-----|
| Aquifer type: | Confined single aquifer | Welldepth: | 360 |
| Construction date: | 19760405 | Wellholedepth: | 361 |
| Welldepth units: | ft | | |
| Wellholedepth units: | ft | | |

Ground-water levels, Number of Measurements: 49

| Date | Feet below Surface | Feet to Sealevel | Date | Feet below Surface | Feet to Sealevel |
|------------|-----------------------|---------------------|------------|-----------------------|---------------------|
| 1980-12-15 | 287.49 | | 1980-11-19 | 287.90 | |
| 1980-10-17 | 287.90 | | 1980-09-15 | 287.90 | |
| 1980-08-20 | 287.80 | | 1980-07-15 | 288.00 | |
| 1980-06-12 | 288.10 | | 1980-05-20 | 287.90 | |
| 1980-04-16 | 287.80 | | 1980-03-13 | 287.90 | |
| 1980-02-12 | 288.30 | | 1980-01-15 | 288.2 | |
| 1979-12-20 | 288.1 | | 1979-11-19 | 288.2 | |
| 1979-10-16 | 288.1 | | 1979-09-26 | 288.1 | |
| 1979-08-23 | 288.3 | | 1979-08-02 | 288.1 | |
| 1979-06-26 | 290.4 | | 1979-05-29 | 288.1 | |
| 1979-04-18 | 288.1 | | 1979-03-20 | 288.1 | |
| 1979-02-28 | 288.1 | | 1979-01-25 | 287.8 | |
| 1978-12-27 | 288.0 | | 1978-11-14 | 288.3 | |
| 1978-10-05 | 290.5 | | 1978-08-08 | 290.3 | |
| 1978-07-18 | 290.3 | | 1978-06-01 | 288.1 | |
| 1978-04-25 | 288.3 | | 1978-03-28 | 288.6 | |
| 1977-12-19 | 288.1 | | 1977-11-22 | 288.5 | |
| 1977-10-26 | 288.6 | | 1977-09-19 | 288.3 | |
| 1977-08-03 | 288.4 | | 1977-07-12 | 288.4 | |
| 1977-06-13 | 288.3 | | 1977-05-10 | 289.0 | |
| 1977-04-12 | 288.4 | | 1977-03-10 | 290.1 | |
| 1977-02-16 | 288.7 | | 1976-12-03 | 289.1 | |
| 1976-11-11 | 288.46 | | 1976-10-19 | 289.49 | |
| 1976-09-14 | 289.00 | | 1976-08-18 | 286.17 | |
| 1976-07-29 | 273.10 | | | | |

**H34
ESE
1/2 - 1 Mile
Lower**

OH WELLS OHD700000040792

| | | | |
|-------------|--------------|-------------|--------------|
| Well log n: | 591192 | U version: | ! |
| Well type : | WATER WELL | Twp code: | 1890 |
| End user i: | 1199 | Orig own 1: | OGDEN |
| Cnty code: | 81 | Test type : | Not Reported |
| Orig owner: | JAMES | Aquifer ty: | LIMESTONE |
| Drill type: | Not Reported | Loc area: | Not Reported |
| Well use c: | Not Reported | Sub map ye: | Not Reported |
| Loc map ye: | 1988 | Permit no: | Not Reported |
| Loc no: | 90 | Lot no: | Not Reported |
| Sub name: | Not Reported | St type co: | RD |
| Sub no: | Not Reported | State code: | OH |
| Sec owner : | Not Reported | | |
| Sect no: | 0 | | |
| St dir cod: | Not Reported | | |
| St no: | 0 | | |
| St name: | ZEYER | | |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | Not Reported | | |
| Zip: | Not Reported | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|-----------------|-------------|--------------|
| Zone code: | Not Reported | | |
| Horiz x: | 2448719.75 | | |
| Horiz y: | 795043.8 | | |
| Horiz datu: | Not Reported | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1127 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.170254 | | |
| Longitude: | -80.781599 | | |
| Source of : | Not Reported | Flowing we: | N |
| Test rate: | 15 | | |
| Draw down: | 10 | | |
| Draw down : | 1 | | |
| S water le: | 15 | | |
| S water me: | Not Reported | S water 1: | 18991230 |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 50 | | |
| Date of co: | 19810406 | Located in: | Y |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Date added: | 18991230 | Added by: | Not Reported |
| Date chang: | 18991230 | Changed by: | Not Reported |
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 0 | | |
| Attatch st: | Not Reported | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD700000040792 | | |

35
NNE
1/2 - 1 Mile
Lower

OH WELLS OHPWS6000002602

| | | | |
|-------------|--------------------------|-------------|--------------------|
| County: | Jefferson | Pwsid: | OH4101712 |
| Well num: | 13821 | | |
| Well name: | Mount Pleasant Well 0001 | Sys name: | Mount Pleasant Pws |
| Dnr wl log: | Not Reported | WI avail: | Permanent |
| Act date: | 15-OCT-99 | WI status: | Active |
| Sys status: | Active | | |
| Latitude: | 40.188662 | | |
| Longitude: | -80.791842 | | |
| Well lst u: | 14-MAR-08 | Sys lst up: | 19-NOV-12 |
| Site id: | OHPWS6000002602 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

H36
ESE
1/2 - 1 Mile
Lower

OH WELLS OHD700000147632

| | | | |
|-------------|--------------|-------------|--------------|
| Well log n: | 1014890 | U version: | Not Reported |
| Well type : | WATER WELL | | |
| End user i: | 685 | | |
| Cnty code: | 81 | Twp code: | 1890 |
| Orig owner: | VINCENT | Orig own 1: | GOSKI |
| Drill type: | ROTARY | Test type : | A |
| Well use c: | DOMESTIC | Aquifer ty: | SANDSTONE |
| Loc map ye: | Not Reported | Loc area: | Not Reported |
| Loc no: | 0 | | |
| Sub name: | Not Reported | Sub map ye: | Not Reported |
| Sub no: | Not Reported | Permit no: | Not Reported |
| Sec owner : | Not Reported | Lot no: | Not Reported |
| Sect no: | 0 | | |
| St dir cod: | Not Reported | | |
| St no: | 476 | | |
| St name: | 3 | St type co: | CR |
| Sec add: | Not Reported | | |
| Sec add no: | 0 | | |
| City: | RAYLAND | State code: | OH |
| Zip: | 43943 | | |
| Zone code: | Not Reported | | |
| Horiz x: | 2448749.29 | | |
| Horiz y: | 794960.56 | | |
| Horiz datu: | Not Reported | | |
| Horiz acc : | 0 | | |
| Horiz acc1: | 0 | | |
| Horiz ac 1: | Not Reported | | |
| Vert loc: | 1122 | | |
| Vert acc: | 0 | | |
| Vert acc u: | Not Reported | | |
| Latitude: | 40.170017 | | |
| Longitude: | -80.781503 | | |
| Source of : | Not Reported | Flowing we: | Not Reported |
| Test rate: | 3 | | |
| Draw down: | 75 | | |
| Draw down : | 1 | | |
| S water le: | 30 | | |
| S water me: | T | S water 1: | 20110515 |
| Cas ht: | 0 | | |
| Screen len: | 0 | | |
| Total dept: | 75 | | |
| Date of co: | 20110515 | Located in: | Not Reported |
| Assoc rpt : | Not Reported | | |
| Depth to b: | 0 | | |
| Drill year: | Not Reported | | |
| Well seal : | 0 | | |
| Date added: | 20110914 | Added by: | BROWN,CLEVE |
| Date chang: | 18991230 | Changed by: | Not Reported |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------|-----------------|-------------|--------------|
| Screen slo: | 0 | | |
| Screened i: | 0 | | |
| Screened 1: | 0 | | |
| Sustained : | 3 | | |
| Attatch st: | Not Reported | | |
| Screen dia: | 0 | | |
| Screen typ: | Not Reported | Screen mat: | Not Reported |
| Pump type: | Not Reported | | |
| Pump capac: | 0 | | |
| Pump set a: | 0 | | |
| Pitless ty: | Not Reported | Pump inst : | Not Reported |
| Elev sourc: | Not Reported | | |
| Water leve: | 0 | | |
| Well drill: | Not Reported | Subcon odh: | Not Reported |
| Site id: | OHD700000147632 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
WSW
1/2 - 1 Mile

OIL_GAS OHOG10000087338

| | | | |
|-------------|--------------------|------------|------------------------|
| Fid: | 102226 | | |
| Objectid: | 87338 | | |
| Api no: | 34081613080000 | WI symbol: | dry |
| County: | JEFFERSON | Township: | MT. PLEASANT |
| Op address: | COLUMBUS, OH 43229 | | |
| Op phone: | 6148885080 | | |
| Lat83: | 40.16900891 | | |
| Long83: | -80.81257238 | | |
| Lease name: | HEIRS MEEK | Operator: | HISTORIC OWNER |
| Well no: | 1 | | |
| Ip gas: | 0 | | |
| Ip oil: | 0 | | |
| Total dept: | 1749 | | |
| Permit iss: | 01-FEB-13 | Comp date: | 30-DEC-99 |
| Plug date: | 10-JUN-13 | Prodfm1: | Not Reported |
| Prodfm2: | Not Reported | Pdf link: | 081\34081613080000.pdf |
| Geophyslog: | Not Reported | Site id: | OHOG10000087338 |

2
WSW
1/2 - 1 Mile

OIL_GAS OHOG10000087331

| | | | |
|-------------|--------------------|------------|------------------------|
| Fid: | 102428 | | |
| Objectid: | 87331 | | |
| Api no: | 34081613010000 | WI symbol: | dry |
| County: | JEFFERSON | Township: | MT. PLEASANT |
| Op address: | COLUMBUS, OH 43229 | | |
| Op phone: | 6148885080 | | |
| Lat83: | 40.17214185 | | |
| Long83: | -80.81668067 | | |
| Lease name: | CLARK FRANK | Operator: | HISTORIC OWNER |
| Well no: | 1 | | |
| Ip gas: | 0 | | |
| Ip oil: | 0 | | |
| Total dept: | 1745 | | |
| Permit iss: | 01-JUL-13 | Comp date: | 30-DEC-99 |
| Plug date: | 30-JUL-13 | Prodfm1: | Not Reported |
| Prodfm2: | Not Reported | Pdf link: | 081\34081613010000.pdf |
| Geophyslog: | Not Reported | Site id: | OHOG10000087331 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: OH Radon

Radon Test Results

| Zipcode | Num Tests | Maximum | Minimum | Arith Mean | Geo Mean |
|---------|-----------|---------|---------|------------|----------|
| 43917 | 21 | 19.4 | 2.3 | 9.76 | 7.98 |

Federal EPA Radon Zone for JEFFERSON County: 1

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for JEFFERSON COUNTY, OH

Number of sites tested: 6

| Area | Average Activity | % <4 pCi/L | % 4-20 pCi/L | % >20 pCi/L |
|-------------------------|------------------|--------------|--------------|--------------|
| Living Area - 1st Floor | 0.300 pCi/L | 100% | 0% | 0% |
| Living Area - 2nd Floor | Not Reported | Not Reported | Not Reported | Not Reported |
| Basement | 2.167 pCi/L | 83% | 17% | 0% |

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Public Water System Data

Source: Ohio Environmental Protection Agency

Telephone: 614-644-2752

The database includes community, transient noncommunity and nontransient noncommunity water wells; and source treatment unit locations.

Water Well Database

Source: Department of Natural Resources

Telephone: 614-265-6740

OTHER STATE DATABASE INFORMATION

Oil and Gas Wells Listing

Department of Natural Resources

A listing of oil and gas well locations in the state.

RADON

State Database: OH Radon

Source: Department of Health

Telephone: 614-644-2727

Radon Statistics for Zip Code Areas

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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APPENDIX H

Regulatory Agency Correspondence



Emergency Response Section - Initial Pollution Incident Report (IPIR)

8/23/2017

Spill Id Number: 1402-40-0236//0

District: SE

| | |
|---------------------------------------|-------------------------------------|
| Reported By: RICHARD LONG | Reported: 02/08/2014 00:12 |
| Title: | Discovered: 02/07/2014 20:00 |
| Telephone: (740) 769-0238 ext: | Occurred: 00/00/0000 |
| Affiliation: CITIZEN | Chronic: N |

County: JACKSON

City/Township: MOUNT PLEASANT

Did Spiller Report ? N

Complaint ? Y

Received By: TAYLOR, TODD

Priority: 3

Local EPC ? N

Did you tell the Spiller to Call the N.R.C ? N

Business: N

SARA Report: N

| |
|--|
| Suspected Spiller: MOUNT PLEASANT WATER AUTHORITY |
| Mailing Address: N/A |
| Telephone: (000) 000-0000 ext: |

Location: 283 MARKET ST

Source: FIXED FACILITY - PUBLIC - OTHER

Cause: ODORS

Reason: CITIZEN COMPLAINT

Waterways Affected: N/A

Media Affected 1: OTHER AREA

Media Affected 2:

Media Affected 3:

Product(s) Spilled

| Product | Amount | UOM | RQ | Size | Type | EHS |
|----------------|--------|-----|----|------|------|-----|
| DRINKING WATER | .0 | UNK | .0 | U | O | N |

Other Agencies Notified

| Agency | Person | Date | Time |
|----------|--------|------------|-------|
| DDAGW/DW | RILEY | 02/10/2014 | 06:41 |

Remark

CITIZEN COMPLAINT OF CLOUDY CHLORINE TASTING DRINKING WATER. DO ADVISED CITIZEN CONTACT WILL BE MADE IN AM CO/DRINKING WATER REGARDING ISSUE. DO CONTACTED CO/DDAGW DAVE RILEY REGARDING ISSUE. RILEY CALLED BACK AND INDICATED ISSUE IS BEING INVESTIGATED. DO TAYLOR CONTACTED CITIZEN AND INFORMED ISSUE IS BEING INVESTIGATED.

Nick Kasper

From: Angela.Hardesty@epa.ohio.gov
Sent: Tuesday, August 22, 2017 4:48 PM
To: Nick Kasper
Subject: RE: VCV001 Records Request

All spill records are housed in our Central Office, you will need to contact Richard Boudier to request this spill report. He can be reached at richard.boudier@epa.ohio.gov

If I can be of any further assistance, please let me know.

Sincerely,

Angela L. Hardesty

Angela Hardesty
Administrative Professional 2
angie.hardesty@epa.ohio.gov
740-380-5415



From: Nick Kasper [mailto:nkasper@hullinc.com]
Sent: Tuesday, August 22, 2017 3:13 PM
To: Hardesty, Angela <Angela.Hardesty@epa.ohio.gov>
Subject: VCV001 Records Request

Good afternoon Angela,

I am performing an environmental Site Assessment for a property in Mt. Pleasant, Ohio and I am inquiring if your department has an incident report or any other documents associated with a spill at the Mont Pleasant Water Authority, located at 283 Market St. Mt. Pleasant, Ohio – Spill # 1402-40-0236. My database report indicated that the material spilled was “drinking water”.

Just looking to verify that indeed “drinking water” was the material spilled so we can close the book on this.

Thanks

Nick Kasper
Hydrogeologist II

HULL | Dublin, Ohio

ALTERNATIVE ENERGY | BROWNFIELDS | ENVIRONMENTAL | SHALE OIL & GAS | WASTE MANAGEMENT

p: 614.362.7352 | f: 614.793.9070 | c: 614.395.0642
[web](#) | [directions to offices](#)

FOLLOW HULL ON: [FACEBOOK](#) | [LINKEDIN](#) | [TWITTER](#)



Did You Know: Children of parents who talk to their teens about drugs are up to 50% less likely to use. Start the conversation: StartTalking.Ohio.Gov

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Facility Info :: Permit Request Detail ::

[Expand all](#) / [Collapse all](#)

[Return to Search Screen](#)

Facility Info

| | |
|-------------------------|----------------------|
| Facility ID | 41000524 |
| Facility Name | JOHN A. KIASKI |
| Address | PO BX 153 |
| City | MOUNT PLEASANT, OHIO |
| Zip | 43939 |
| County | JEFFERSON |
| Type | GAS STATION |
| Phone | (614)769-7506 |
| Latitude | 40.1752 |
| Longitude | -80.798 |
| Created Date | 04/28/2012 |
| 24 Hr Emergency Contact | CONVERT CONVERT |
| 24 Hr Emergency Phone | (999)999-9999 |
| Local Fire Dept | UNKNOWN |

Owner Info

| | |
|----------------|----------------|
| Owner ID | W010593 |
| Owner Name | JOHN A. KIASKI |
| Contact Person | |
| Address | PO BOX 153 |
| City | MOUNT PLEASANT |
| State | OHIO |
| Zip | 43939 |
| Type | COMMERCIAL |
| Phone | 7692056 |
| Email | |

Release Info

| Rel. # | Rep.Date | LTF | Status | Rules |
|--------|------------|----------------------------|--------------|-------|
| N00001 | 04/25/1999 | 6 Closure of regulated UST | CLO: Closure | 2005 |

Tank Info

[\(Details...\)](#)

| | |
|---|---|
| Number of CIU Tanks | 0 |
| Number of Tanks with petroleum Contents | 3 |
| Number of Tanks with HazMat Contents | 0 |
| Total Number of Tanks | 3 |

Registration Info

| Reg. ID | Reg. Year | Reg. Date | Type of Reg. |
|---------|-----------|-----------|----------------|
| R00008 | 2000 | -- | Annual Renewal |
| R00007 | 1999 | -- | Annual Renewal |
| R00006 | 1998 | -- | Annual Renewal |
| R00005 | 1997 | -- | Amended |
| R00004 | 1996 | -- | Amended |
| R00003 | 1995 | -- | Amended |
| R00002 | 1994 | -- | Amended |
| R00001 | 1993 | -- | New |

Permit Info

| Permit ID | Issue Date | Contractor Name | Status |
|--------------------------------|------------|-----------------|---------|
| P00001 (20949) | 07/28/1999 | | Expired |