

CLASS VI PERMIT APPLICATION NARRATIVE
40 CFR 146.82(a)

Project Name: Tri-State CCS Buckeye 1

Facility Information

Facility Contact: Tri-State CCS, LLC
14302 FNB Parkway
Omaha, Nebraska 68154
402-691-9500

Well Locations: Carroll County, Ohio

| Well Name | Latitude (WGS 84) | Longitude (WGS 84) |
|-----------|-------------------|--------------------|
| TB1-1 | 40.666280 | -81.071522 |
| TB1-2 | 40.645464 | -81.015331 |
| TB1-3 | 40.610714 | -81.028986 |
| TB1-4 | 40.511234 | -81.025860 |

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Acronym List

| | |
|-----------------|---|
| AEP | American Electric Power |
| AGWQMP | Ambient Ground Water Quality Monitoring Program |
| AI | Acoustic Impedance |
| amsl | Above Mean Sea Level |
| Ank | Ankerite |
| ANSI | American National Standards Institute |
| ANSS | Advanced National Seismic System |
| ASME | American Society of Mechanical Engineers |
| AOI | Area of Interest |
| AoR | Area of Review |
| AP | Artificial Penetrations |
| API | American Petroleum Institute |
| ASME | American Society of Mechanical Engineers |
| Avg | Average |
| bgs | Below ground surface |
| BH | Bottom Hole |
| CarbonSAFE | Carbon Storage Assurance Facility Enterprise |
| CCS | Carbon Capture and Storage |
| CO ₂ | Carbon Dioxide |
| CI | Casing Inspection |
| CBL | Cement Bond Log |
| cc | Cubic Centimeter |
| COCORP | Consortium for Continental Reflection Profiling |
| Cr | Chromium |
| DAS | Distributed Acoustic Sensing |
| Dol | Dolomite |
| DTS | Distributed Temperature Sensing |
| DH | Downhole |
| EPA | Environmental Protection Agency |
| ERRP | Emergency and Remedial Response Plan |
| Fm | Formation |
| FR | Fragments |
| ft | Feet |
| Ga | Giga Annum |

| | |
|------------------|---|
| gal | Gallon |
| gm | Gram |
| GR | Gamma Ray |
| Grp | Group |
| GS | Geologic Sequestration |
| GSDT | Geologic Sequestration Data Tool |
| gm | Gram |
| H ₂ S | Hydrogen Sulfide |
| K | Potassium |
| KIC | Knox Injection Complex |
| KY | Kentucky |
| lb | pound |
| LIC | Lockport Injection Complex |
| Ls | Limestone |
| M | Magnitude |
| Ma | Mega Annum |
| MD | Measured Depth |
| md | Millidarcy |
| MIT | Mechanical Integrity Test |
| MIC | Medina Injection Complex |
| MMI | Modified Mercalli Intensity |
| MMt | Million Metric Tonnes |
| MMt/y | Millions of Metric Tonnes per year |
| Mt/y | Thousand Metric Tonnes per year |
| NACE | National Association of Corrosion Engineers |
| NEPA | National Environmental Policy Act |
| NY | New York |
| OEPA | Ohio Environmental Protection Agency |
| ODNR | Ohio Department of Natural Resources |
| OD | Outer Diameter |
| OH | Ohio |
| OSU | Ohio State University |
| ppmv | Parts Per Million Volume |
| PA | Pennsylvania |
| PEF | Photoelectric Factor |
| phi | Krumbein phi Scale (porosity) |
| mol% | Percentage of total moles in a mixture made up by one constituent |
| PISC | Post-Injection Site Care |
| psi | Pounds Per Square Inch |
| psia | Pounds Per Square Inch, Absolute |

| | |
|----------|--|
| psig | Pound Force Per Square Inch |
| P/T | Pressure-Temperature |
| PNC | Pulsed Neutron Capture |
| QASP | Quality Assurance and Surveillance Plan |
| QFL | Quartz-Feldspar-Lithic |
| QmFLt | Microcrystalline Quartz-Feldspar-Lithic |
| RC | Reflection Coefficient |
| RCRA | Resource Conservation and Recovery Act |
| RHOB | Bulk Density |
| RSWC | Rotary Sidewall Core |
| SAPT | Standard Annulus Pressure Test |
| Sco2 | Supercritical CO2 |
| SIC | Standard Industrial Classification |
| SLB | Schlumberger |
| SP | Spontaneous Potential |
| spar | Sparite |
| SSTVD | Sub-Sea True Vertical Depth |
| strat | Stratigraphic |
| SU | Stratigraphic Unit |
| TN | Tennessee |
| TD | Total Depth |
| TDS | Total Dissolved Solids |
| TRI | Toxic Release Inventory |
| TST | Transgressive System Tract |
| TVD | Total Vertical Depth |
| TWT | Two-Way Time |
| UIC | Underground Injection Control |
| undiff | Undifferentiated |
| USACE | U.S. Army Corps of Engineers |
| USDW | Underground Source of Drinking Water |
| U.S. EPA | U.S. Environmental Protection Agency |
| USGS | United States Geologic Survey |
| VOC | Volatile Organic Compounds |
| VSP | Vertical Seismic Profile |
| VA | Virginia |
| WGS | World Geodetic System |
| WV | West Virginia |
| WVGES | West Virginia Geological and Economic Survey |
| XRD | X-Ray Diffraction |

1. Project Background and Contact Information

Tri-State CCS, LLC is proposing the development of an industrial scale carbon capture and storage (CCS) hub in the tri-state region of Ohio (OH), Pennsylvania (PA), and West Virginia (WV) (Figure 1). The Tri-State CCS Hub envisions the development of several CO₂ injection wells with the capability of storing about 150-million metric tonnes (MMt) with injection taking place over 30 years. The hub was selected by the U.S. Department of Energy to receive Phase III funding under the Carbon Storage Assurance Facility Enterprise (CarbonSAFE) Initiative. Partners include the Southern States Energy Board (the Prime Recipient), Tenaska Sequestration Services, LLC, Projeo Corporation, Ohio State University, West Virginia Geological and Economic Survey, and West Virginia University.

Tri-State CCS, LLC is developing a series of CO₂ injection fields, known as the Tri-State CCS Hub, that will provide the region's emitters with a safe and secure subsurface storage solution. Nine separate emitters, reporting more than 20 million metric tonnes per year (MMt/y) of aggregate CO₂ emissions, have indicated their support for this project. These sources include AEP Dresden (1.9 MMt/y), AEP Mountaineer (9.2 MMt/y), Carroll County Energy (2.0 MMt/y), Ergon West Virginia (0.2 MMt/y), Hill Top Energy Center (1.5 MMt/y), Lakeview Energy (0.16 MMt/y), LS Power – Springdale (2.0 MMt/y), Southfield Energy (3.0 MMt/y), and Westmoreland Energy (2.8 MMt/y).

This narrative in support of a Class VI Underground Injection Control (UIC) permit application covers Tri-State CCS Buckeye 1 in Carroll County, Ohio (the “project”), which is a subset of the Tri-State CCS Hub. The project proposes development and operation of four injection wells (TB1-1, TB1-2, TB1-3, and TB1-4), four in-zone observation wells (TB1-IOB-1, TB1-IOB-2, TB1-IOB-3, and TB1-IOB-4), three above zone observation wells (TB1-AOB-1, TB1-AOB-2, and TB1-AOB-3), four lowermost underground source of drinking water (USDW) observation wells (TB1-UOB-1, TB1-UOB-2, TB1-UOB-3, and TB1-UOB-4), and four groundwater observation wells (TB1-GW-1, TB1-GW-2, TB1-GW-3, and TB1-GW-4) that will be drilled on the well pads for the injection wells (Figure 2). This Application Narrative is for proposed wells TB1-1, TB1-2, TB1-3, and TB1-4.

Tri-State CCS, LLC is an affiliate of Tenaska, Inc. (Tenaska) who has made major, corporate-level commitments toward the development of the hub. Tenaska is a privately held, independent power company based in Omaha, Nebraska. Established in 1987, Tenaska has a generating fleet of over 7,500 MW, is one of the largest gas marketing companies in North America and has balance sheet equity of \$2.9 billion. Tri-State CCS, LLC will serve as the hub owner and will assume liability for development, finance, and operation of the hub.

The key project contacts are:

Claimed as PBI
Tri-State CCS, LLC
14302 FNB Parkway
Omaha, Nebraska 68154
Claimed as PBI

Claimed as PBI

Projeo Corporation
1700 S Mount Prospect Rd.
Des Plaines, Illinois 60018

Claimed as PBI

The supporting documentation for this application was prepared in accordance with the U.S. Environmental Protection Agency's (U.S. EPA's) UIC Control Program for Carbon Dioxide Geologic Sequestration Wells codified at 40 CFR 146.

With this application, Tri-State CCS, LLC is requesting permits to construct for TB1-1, TB1-2, TB1-3, and TB1-4. After issuance of the permits by the UIC Program Director, Tri-State CCS, LLC plans to start construction of the injection wells within 2 years but additionally requests two options to extend the permit term by 2 years. The reason for this request is that the project relies on the installation of capture equipment at the emitter and construction of pipeline infrastructure to the emitter, both of which may be delayed for reasons outside the control of Tri-State CCS, LLC. After submittal of required documentation to the UIC Program Director and receiving authorization to inject and once the emitter is ready to operate their CO₂ capture equipment, Tri-State CCS, LLC will initiate injection. This application assumes that the 60-year injection period will start in approximately 2027, end in 2087, and be followed by a 50-year post-injection site care (PISC) period, taking the project to 2137. Start of injections could vary by 1 to 5 years.

The project is not requesting an injection depth waiver or an expansion of aquifer exemptions with this application.

There are no federally recognized Native American tribal lands or territories within the proposed Area of Review (AoR; 40 CFR 146.82(a)(20)).

The SIC codes applicable to the project are identified below (40 CFR 144.31(e)(3)):

- 49530300 Nonhazardous waste disposal sites – primarily engaged in collection and disposal of refuse by processing or destruction or in operation of incinerators/waste treatment plants/landfills/other sites for disposal of such materials;
- 51690203 Carbon Dioxide – primarily engaged in wholesale distribution of CO₂; and
- 4619 Pipelines, not elsewhere classified – primarily engaged in pipeline transportation of commodities except petroleum and natural gas.

State contacts with jurisdictions within the proposed AoR include the following (40 CFR 146.82(a)(20)):

Ohio Department of Natural Resources (ODNR; Class II UIC and stratigraphic wells)
Division of Oil & Gas Resources
2045 Morse Road, Columbus, OH 43229
Kenny Brown: 614-265-6933, michael.brown@dnr.state.ohio.us

Ohio Environmental Protection Agency (OEPA; Class I, IV, and V UIC wells)
Division of Drinking and Ground Waters, Underground Injection Control Program
P.O. Box 1049, Columbus, OH 43216-1049
Lindsay Taliaferro: 614-644-2771, l.taliaferro@epa.ohio.gov

The permits and authorizations that will likely be required for the project, the permit/authorization jurisdictions, and the associated project development activities are provided in Table 1 (40 CFR 144.31(e)(6)).

Table 1: Permits and authorizations necessary for development of the project.

| Required Permits and Authorizations for Carroll County, Ohio | | |
|--|--|---------------------|
| Permit/Authorization | Activity | Jurisdiction |
| UIC Class VI Permit to Construct | Drilling of Injection Wells | U.S. EPA |
| UIC Class VI Authorization to Inject | Injecting CO ₂ | U.S. EPA |
| Greenhouse Gas Rule Subpart RR Monitoring, Reporting, and Verification Plan Approval | Injecting CO ₂ | U.S. EPA |
| Section 404 Nationwide Permit | Temporary impacts to federal jurisdictional waters | USACE |
| Isolated Wetlands Permit | Temporary impacts to waters that do not have federal jurisdiction | OEPA |
| Construction Stormwater General Permit | Management of stormwater during construction | OEPA |
| Drilling Permit | Observation well construction | ODNR |

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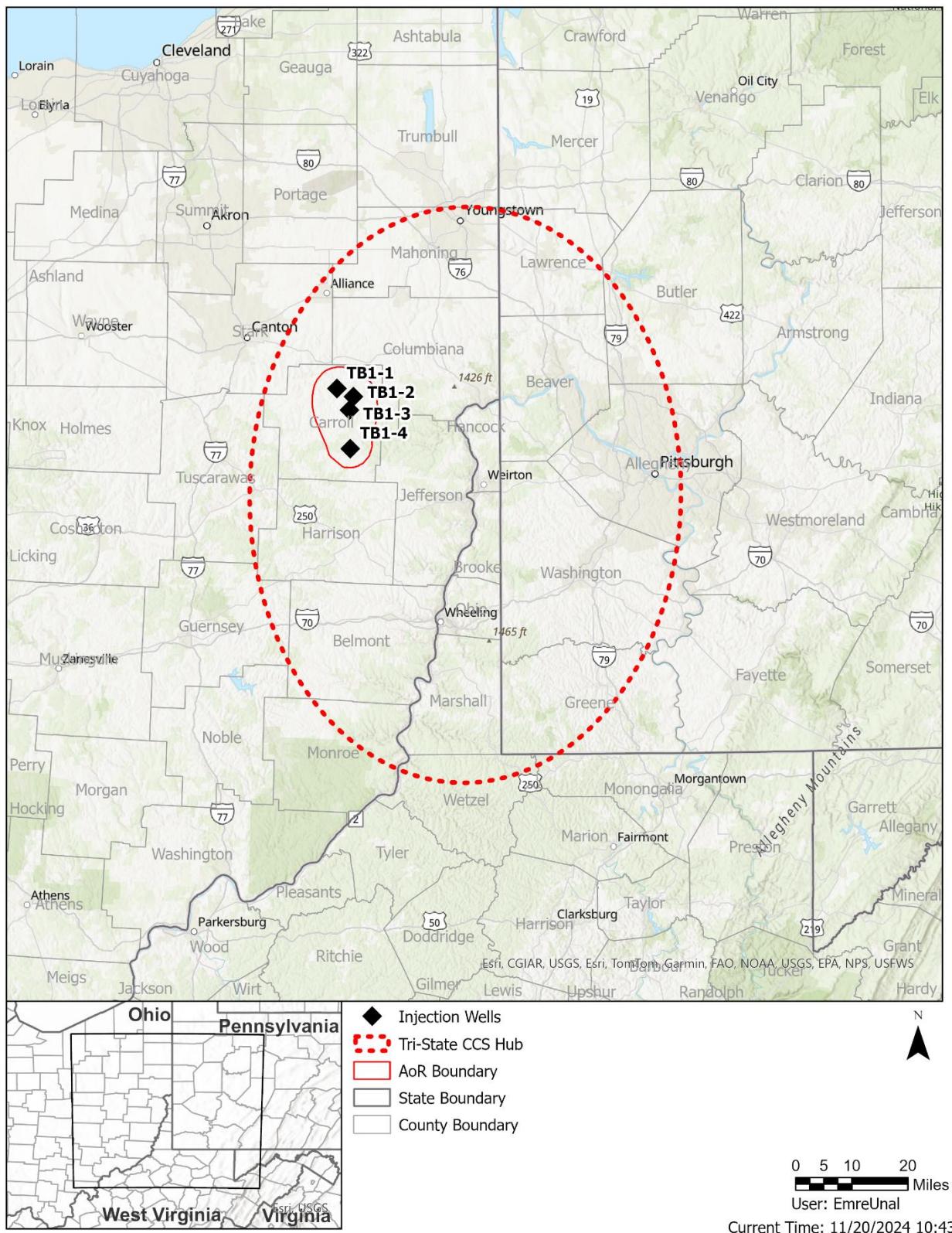


Figure 1: Location of Tri-State CCS Hub and AoR boundary with Carroll County injection well locations.

The project is currently proposing an AoR that includes a 1-mile buffer on the modeled maximum extent of the pressure front to mitigate the current unknowns in subsurface data that will be resolved with the planned CarbonSAFE stratigraphic test wells and pre-operational testing. These unknowns are discussed, along with the pressure front and plume development for each injection complex, in the Application Narrative and in the Area of Review and Corrective Action Plan. To address the federal requirements at 40 CFR 146.82(a)(2) for a map of the area, features are shown or noted as absent below:

- Injection wells: There are no records of currently active injection wells in the AoR.
- Oil and gas wells (Figure 3; further discussed in subsection 4.1 of the Area of Review and Corrective Action Plan) (source: ODNR):

Rose Run (20 wells in total):

- Producing: There are 6 known producing wells (Utica Shale, Point Pleasant, Black River Group, Trenton Limestone and Rose Run Sandstone) with “gas” and “oil and gas” status in the AoR.
- Plugged and Abandoned: There are 3 known wells with “plugged oil”, “dry hole” and “dry hole with gas show” status in the AoR.
- Strat Test: There are 10 known wells with “strat test” status in the AoR.
- Planned Well: There is one well with “planned well” status in the AoR.

Medina (408 wells in total):

- Producing: There are 361 known producing wells (Clinton Sand, Point Pleasant and Utica Shale) with “oil and gas”, “oil”, “gas with oil show”, “oil with gas show” and “gas” status in the AoR.
- Plugged and Abandoned: There are 36 known wells with “plugged oil and gas”, “dry hole”, “plugged oil”, “plugged oil with gas show”, “dry hole with gas show”, “plugged gas with oil show” and “plugged gas” status in the AoR.
- Strat Test: There are 6 known wells with “strat test” test in the AoR.
- Planned Well: There are 4 wells with “planned well” status in the AoR
- Others: There is one well with “oil and gas converted to water” status in the AoR.

- Water wells: There are 3,294 known water wells in the AoR, as shown in Figure 4 (see subsection 2.7.3 below for discussion).
- Roads and railroads: State Highways 9, 39, 43, and 171, various county and town roads, and two railways are in the AoR, as shown in Figure 3 and Figure 4.
- State or U.S. EPA-approved subsurface cleanup sites (Figure 5):
 - LRC Surety Property, 271 5th Street, Carrollton, Carroll County, Ohio (OEPA Project ID 210002612002; in the AoR) – This 4.58-acre industrial property is part of OEPA’s Voluntary Action Program. Historical use was manufacturing of pottery, batteries, and rubber gloves. Remedial activities were removal of 32 cubic yards of non-hazardous soil. A Covenant Not to Sue was issued by OEPA in 2009 which is a legal release that no more cleanup is needed at the property.
 - COLFOR MANUFACTURING INC, 3255 Alliance Road NW, Malvern, Ohio (U.S. EPA RCRA ID OHD000816678; 1.15 miles northwest of AoR) -- This facility is listed in U.S. EPA’s RCRA Info as a corrective action hazardous waste cleanup site. The facility is used for iron and steel forging. Human exposure and groundwater migration were considered to be under control in 2008, a Remedy

Decision was made in 2009, and the site was determined to be ready for anticipated use in 2009. The corrective action process was terminated in 2009 with no further action needed.

- MINERVA PROPERTY HOLDINGS LLC, 217 Roosevelt Street, Minerva, Ohio (U.S. EPA RCRA ID OHD004449427; 0.72 miles north of AoR) – This facility is listed in U.S. EPA's RCRAInfo as a corrective action hazardous waste cleanup site. A Remedy Decision was made in 2005, with human exposure and groundwater migration under control in 2009, and the site was determined to be ready for anticipated use in 2018. The corrective action process remains open for the site.
- TRW, INC. (MINERVA PLANT), 3860 Union Ave S, Minerva, Ohio (U.S. EPA ID OHD004179339; 1.8 miles north of AoR) – This 135-acre industrial site was listed on U.S. EPA's National Priorities List in 1989; the listing includes a 285-acre study area that extends into a residential area of Minerva. Historically, the industrial site included a plant that housed a metal casting operation. Degreasers containing volatile organic compounds were discharged to a ditch and contaminated soil and groundwater at the site. Cleanup and monitoring at the site have been ongoing since 1986 and include a pump and treat system for groundwater. Groundwater contamination levels at the site have steadily decreased, and the site is currently in the Remedial Investigation phase.
- Other pertinent surface features and townships: the village/municipality of Carrollton, many smaller size communities and neighborhoods, and townships of Augusta, Brown, East, Harrison, Washington, Center, Fox, Union, Lee, Perry and Loudon are in the AoR, as shown in Figure 2.
- Surface bodies of water: The following named surface bodies of water are in the mapped area, as shown in Figure 3 and Figure 4: Camp Conestoga Lake, Woheld Lake, Tennessee Gas Lake, Camp Echo Lake, France Lake, Kilgore Lake, Wholebark Run, Pumpkin Run, Pipe Run, Cold Spring Run, Reeds Run, Trail Run, Honey Run, Frog Run, Strawcamp Run, Indian Fork Creek, Still Fork, Dining Fork, Muddy Fork, Town Creek, Elkhorn Creek, Yevrus Creek, Gault Creek, Friday Creek, North Fork McGuire Creek, Center Fork of Elkhorn Creek, and Long Creek. There are various unnamed tributaries and ponds in the AoR as well.
- Springs: There are 27 records of unconfirmed springs in the mapped area (Figure 3). Data was uploaded from ODNR, and the GIS layer is named 'unconfirmed spring locations'.
- Quarries: There are 2 records of historic quarries in the AoR (Figure 6).
- State, tribal, and territory boundaries: There are no tribal or territory boundaries in the AoR.
- Surface and subsurface mines: There are surface and subsurface (underground) coal mines and industrial minerals surface mines as well as historic surface mines in the AoR. Mining operations in the mapped area are shown in Figure 6 and further discussed in subsection 2.1.10 below.

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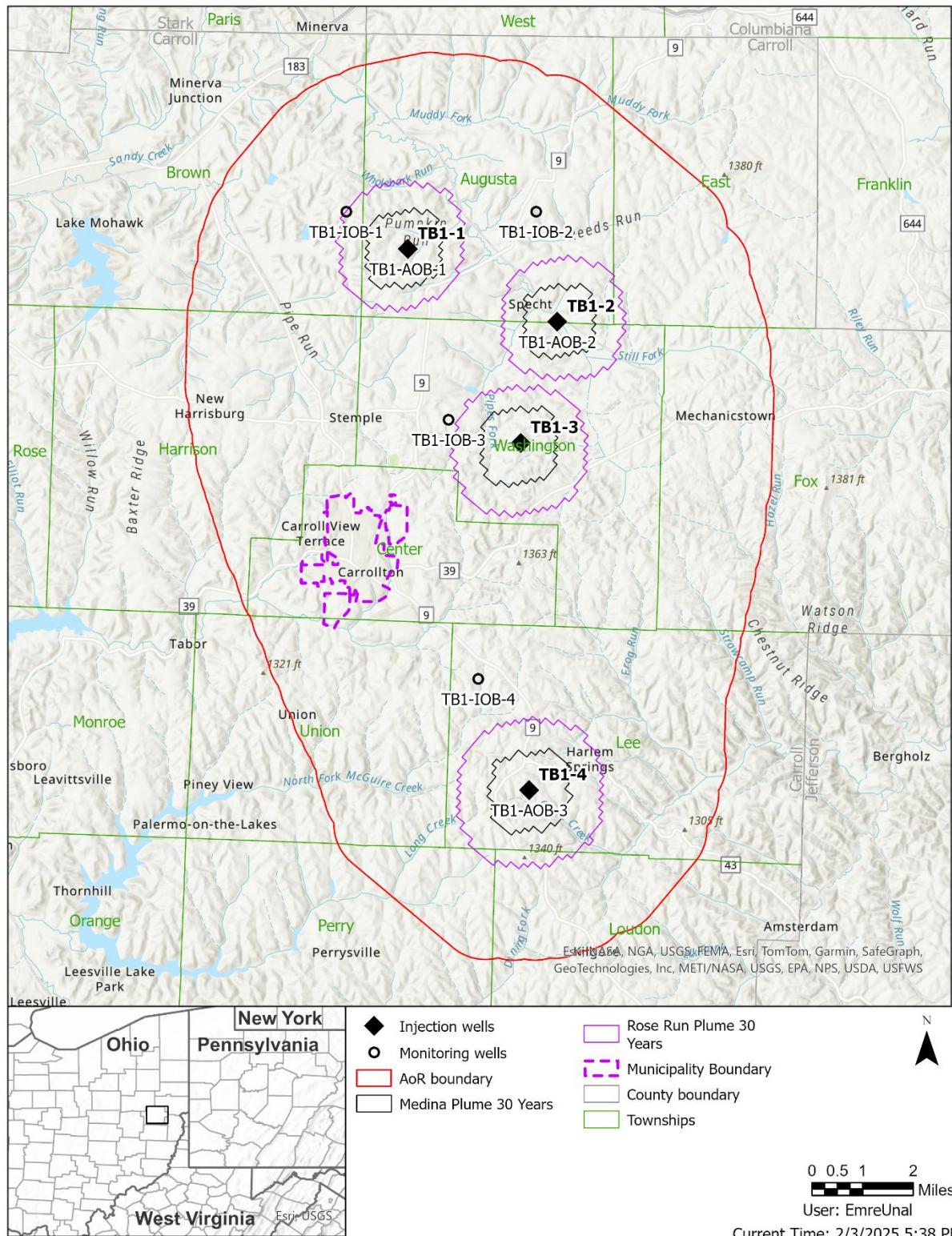


Figure 2: Locations of proposed injection and observation wells, the AoR, at the end of injection for the KIC and the MIC (30-year plume boundary).

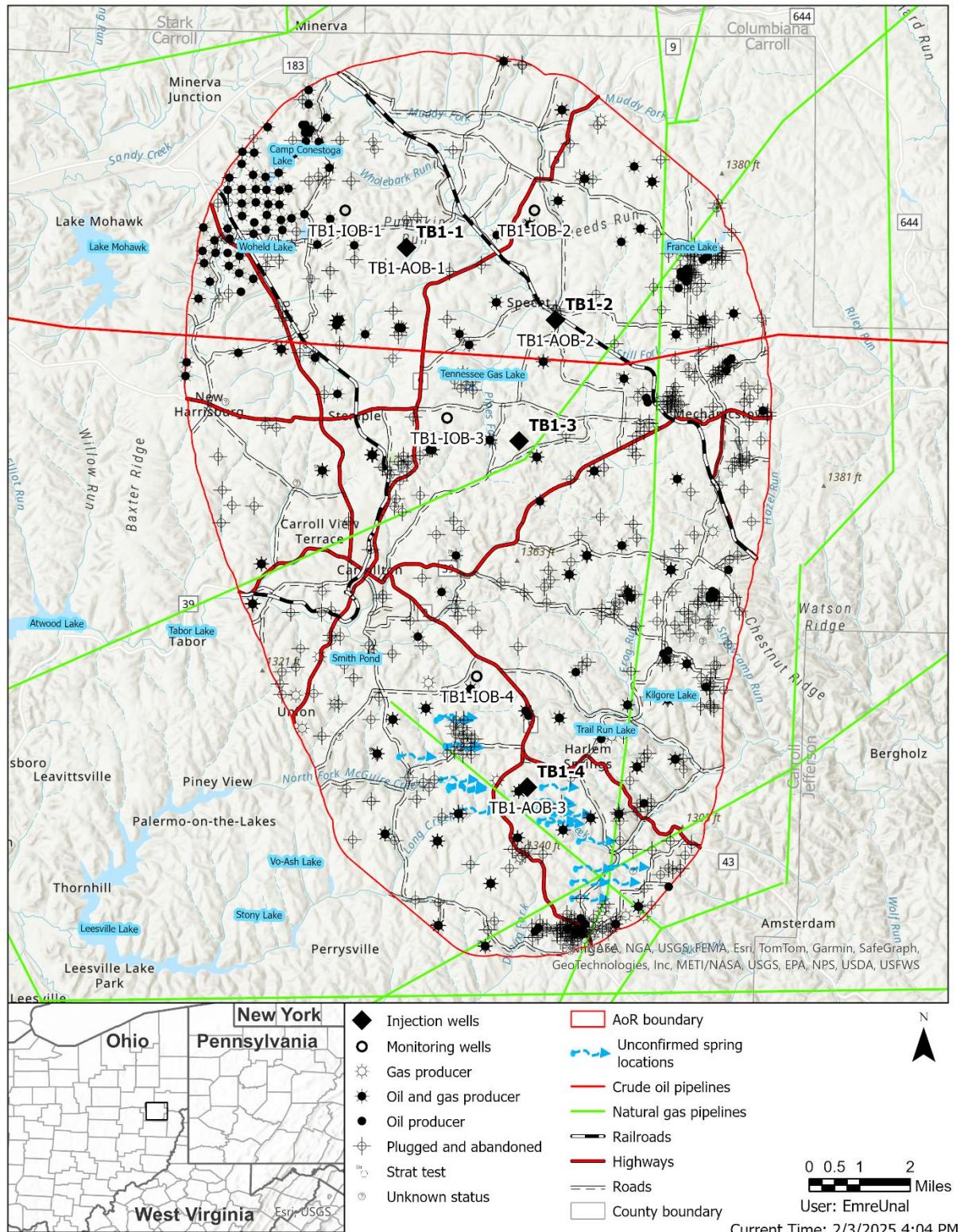


Figure 3: Locations of proposed injection and observation wells, oil and gas wells, infrastructure, lakes, water bodies and unconfirmed spring locations.

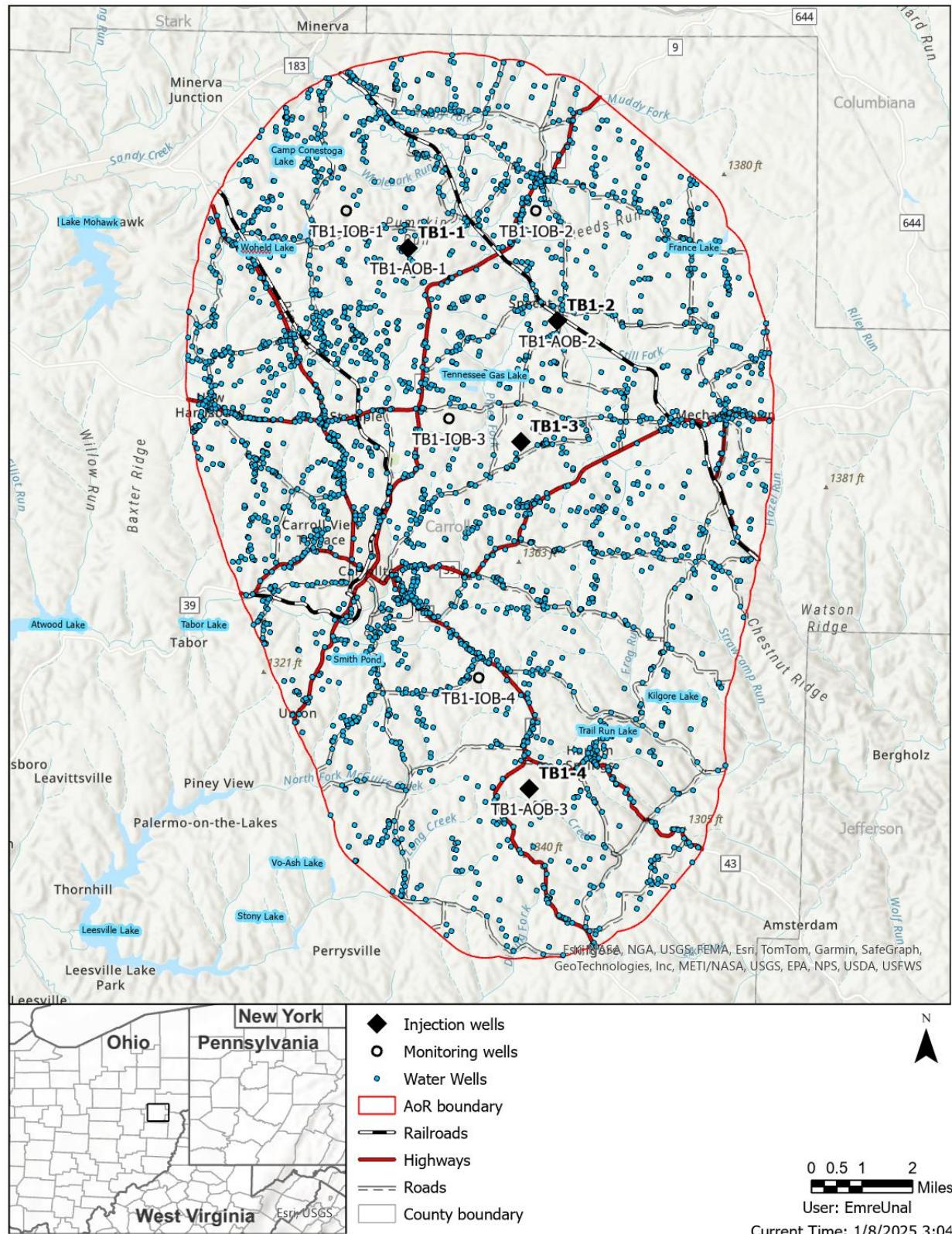


Figure 4: Locations of proposed injection and observation wells, water wells, infrastructure, lakes and water bodies.

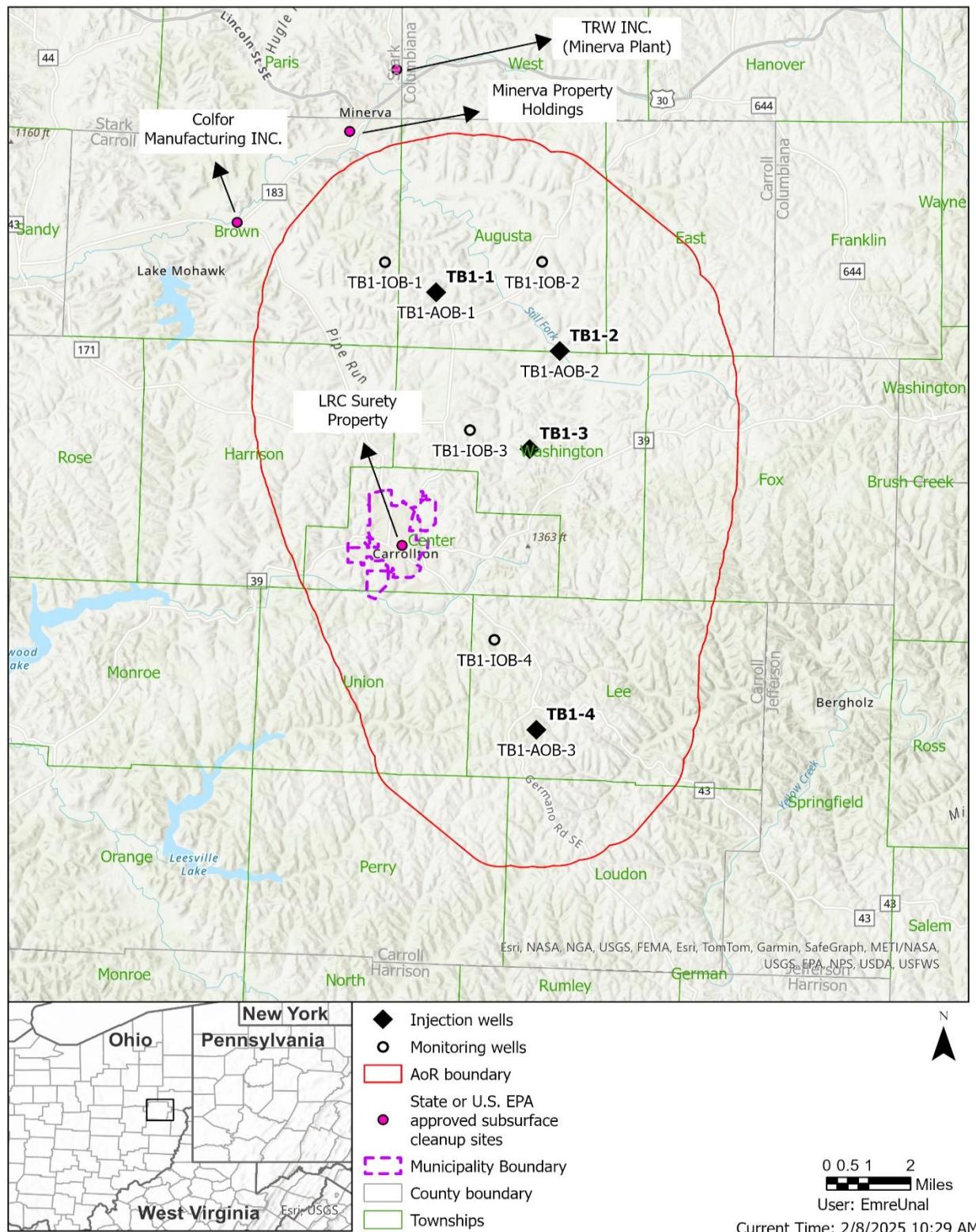


Figure 5: Locations of proposed injection and monitoring wells, state or U.S. EPA approved subsurface cleanup sites in and outside the AoR.

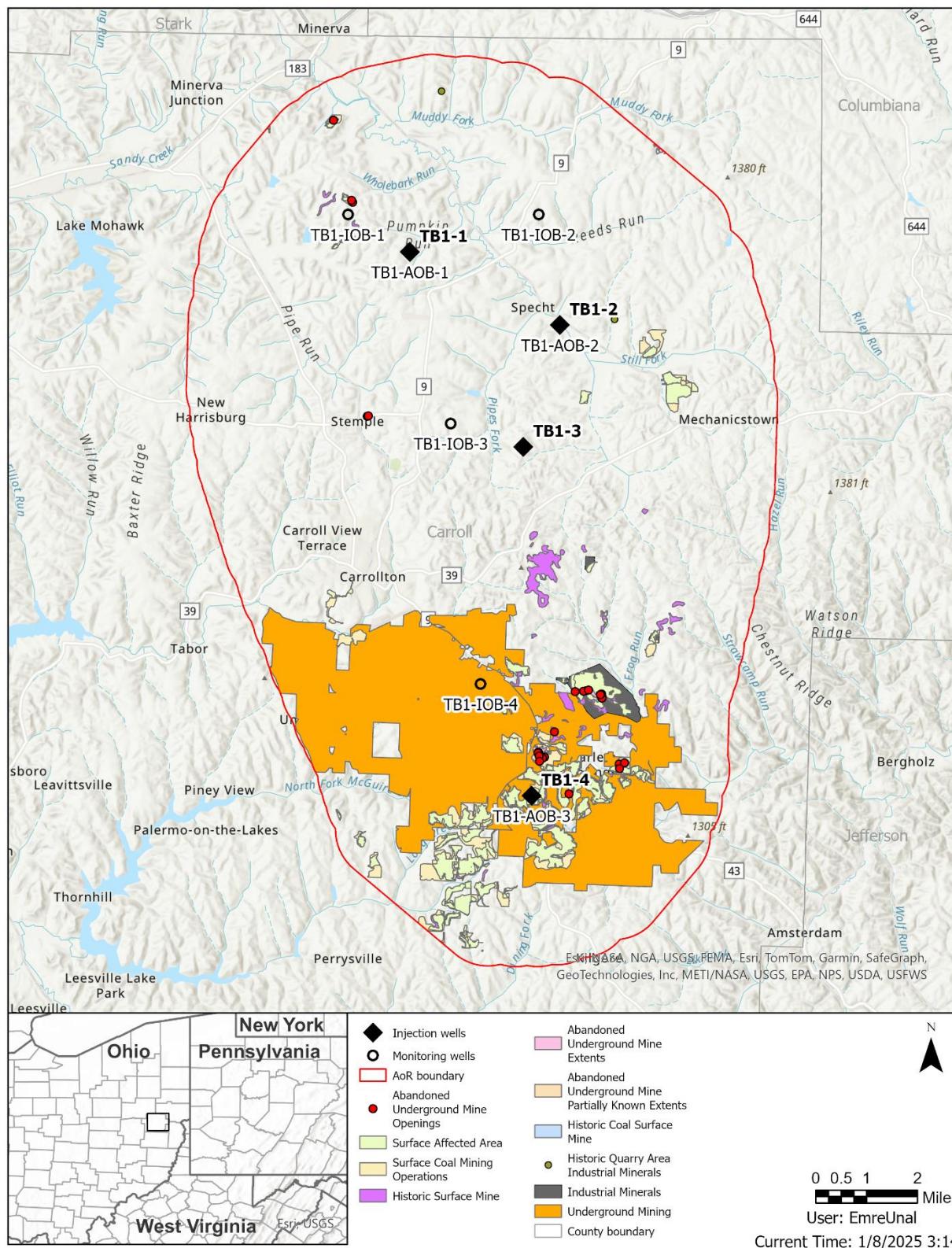


Figure 6: Mining and industrial minerals near proposed injection and observation wells.

2. Site Characterization

2.1. Regional Geology, Hydrogeology, and Local Structural Geology [40 CFR 146.82(a)(3)(vi)]

2.1.1. Geographic Overview

The Tri-State CCS Hub is located within the tri-state region of eastern Ohio, northern West Virginia, and western Pennsylvania. This region lies within the Appalachian Basin, an elongate, retroarc foreland basin that sits within the physiographic province of the Appalachian Plateau (Figure 7). The Appalachian Basin extends approximately 1,270 miles from Canada to Alabama and is flanked by the Cincinnati, Findlay, Nashville Dome and Algonquin arches to the west, and the Blue Ridge Mountains and the New England Uplands to the east (Colton, 1970). The northern boundary of the basin is demarcated by the Laurentian and Frontenac arches of the Canadian Shield (Ettensohn, 2008), while to the south, the basin transitions into the Black Warrior Basin of northwestern Alabama and northeastern Mississippi (Figure 7).

2.1.2. Tectonic History

The Appalachian Basin developed as a result of flexurally driven subsidence caused by tectonic loading from four nearly continuous orogenic events throughout the Paleozoic. Orogenic development related to the Appalachian Basin began in the Early-Middle Ordovician (~472 Ma) and continued for almost 200 Ma until the Late Permian (Ettensohn, 2008). The orogenies include the Taconic (or Taconian), the Salinic, the Acadian, and the Alleghanian tectophase orogenic cycles. These orogenies can be grouped into two higher-order supercycle phases related to continental collision and plate convergence with the Taconic and Salinic orogenies included in the Caledonian orogenic phase and the Acadian and Alleghanian orogenies included in the Variscan-Hercynian orogenic phase (Figure 8).

The Caledonian orogenic phase is a result of the Ordovician to Early Devonian closure of the Iapetus Ocean that formed the continent of Laurussia through the collision of the continents of Laurentia, Baltica, and the Avalonian microcontinent (Kearey et al., 2009; Torsvik and Cocks, 2016).

The Variscan-Hercynian orogenic event occurred during the Middle Devonian–Permian, as the Theic Ocean closed, and continental collision between Laurussia and Gondwana formed the supercontinent of Pangaea (Kearey et al., 2009; Ziegler, 2012; Torsvik and Cocks, 2016).

2.1.3. Influence of Precambrian – Cambrian Tectonic Events

The Paleozoic development of the Appalachian Foreland Basin was heavily influenced by Precambrian-Cambrian age tectonic events. The basement rocks that underlie the basin mainly comprise Grenvillian age crust (1.35–0.95 Ga, Figure 9) that were deformed and metamorphosed during the Grenville orogeny as the supercontinent Rodinia was formed (Ettensohn, 2008). Portions of the Grenville crust have been uplifted and deformed through Paleozoic orogenic events and are exposed at the surface in both the Blue Ridge physiographic province and the Adirondack dome (Figure 7).

Late Precambrian-Cambrian rifting and volcanism occurred during the separation of Laurentia from Gondwana and the formation of the Iapetus, Theic, and Rheic Oceans (Kearey et al., 2009; Torsvik and Cocks, 2016). Inboard rifting resulted in the deposition and emplacement of time-equivalent sedimentary and volcanic rocks (Figure 9) along what are currently the physiographic provinces of the Blue Ridge and Valley and Ridge (Figure 9, Ettensohn, 2008).

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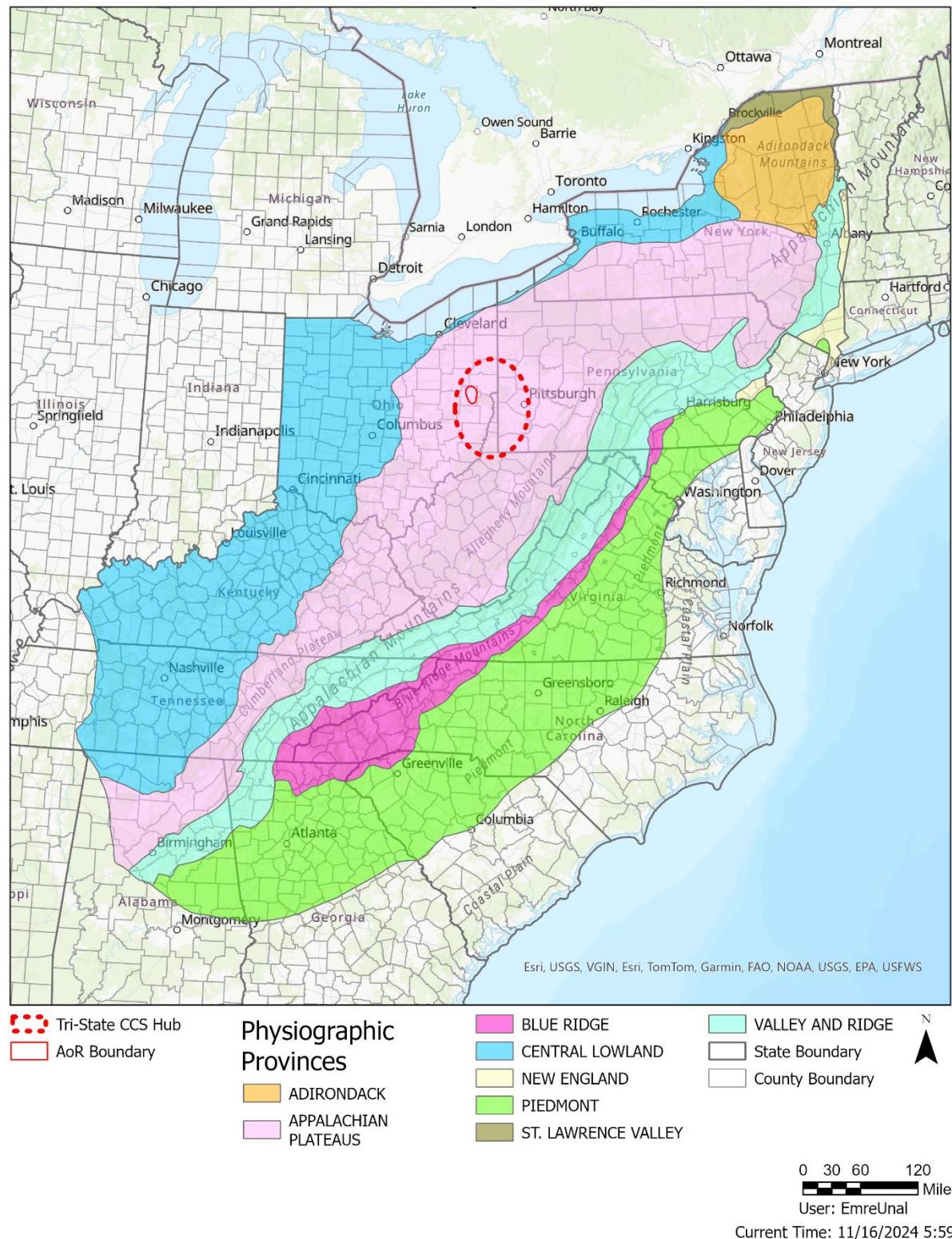


Figure 7: Physiographic provinces of the Appalachian Highlands after Fenneman, 1928. The Tri-State CCS Hub location is indicated with a red dashed circle, with the project's AoR boundary in red within it.

Rifting was followed by a period of stabilization across the margin, relative sea level rise, and thermally driven subsidence of the basin that resulted in the widespread deposition of Precambrian-Early Cambrian synrift siliciclastic sediments (Colton, 1970). During the Late Cambrian, continued submergence of the platform established the “Great American Carbonate Bank”, depositing up to 3,000 ft of mixed limestone, dolostone, and minor siliciclastic sediment (Figure 9; Demicco and Mitchell, 1982).

2.1.4. Early Ordovician

The Late Cambrian post-rift passive margin phase continued into the Early Ordovician as sedimentation and carbonate development continued across the passive margin (Figure 8 and Figure 9). The near equatorial paleogeographic setting and aridification of the climate, during the Early Ordovician, resulted in the uninterrupted deposition of carbonates, dolomites, and sedimentary strata of the Knox Group (Figure 9; Read, 1989; Scotese, 2003; Ettensohn, 2008).

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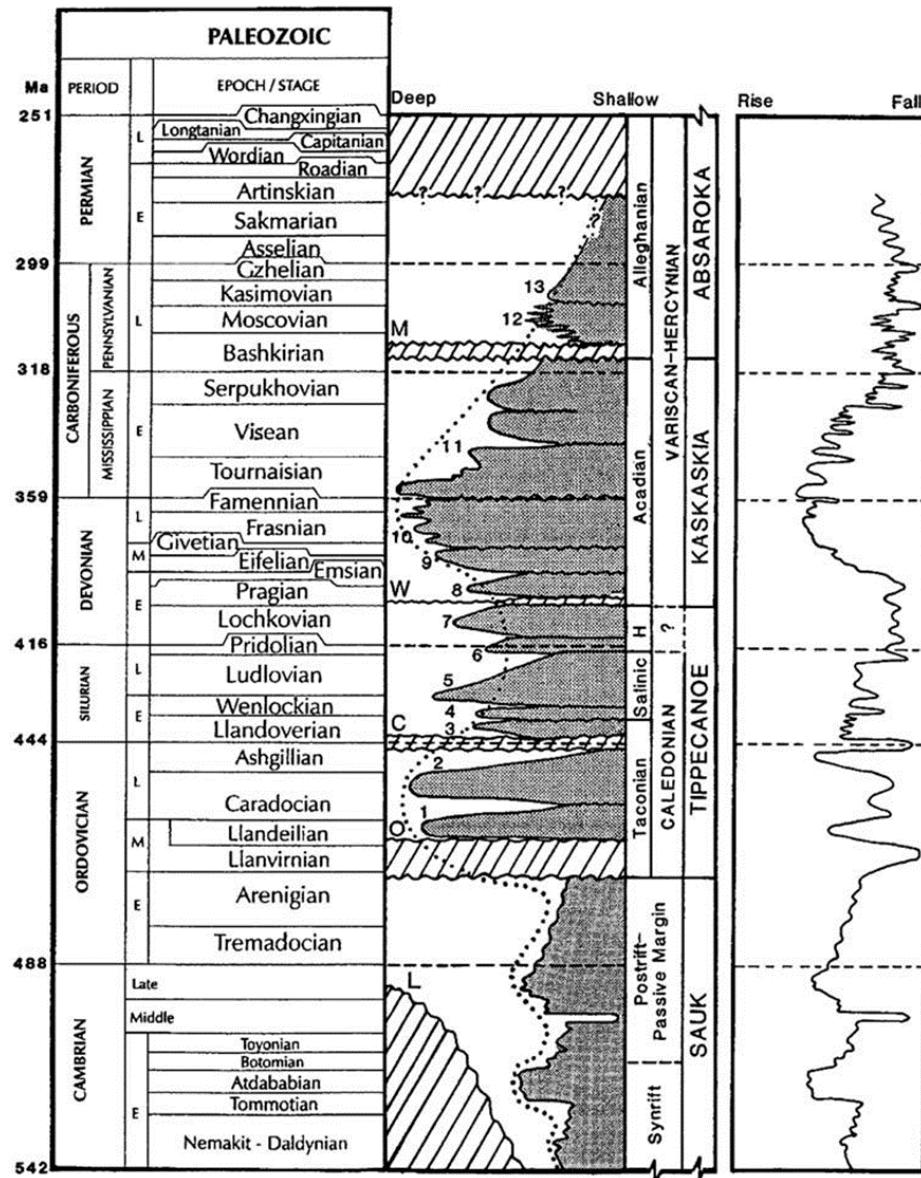


Figure 8: Paleozoic geologic time scale, showing the occurrence and relative duration of synrift, postrift passive margin, and 13 third-order, tectophase cycles (numbered) in the Appalachian Basin as a relative sea-level curve, compared with generalized sea-level curve (modified from Ross and Ross, 1988; Read, 1989; and Dennison, 1989). Unconformities are labeled on the sea-level curve: L, Lipalian; O, Owl Creek (Knox); C, Cherokee; W, Wallbridge; and M, Monday Creek. (Figure from Ettensohn, 2008).

2.1.5. Ordovician-Silurian Caledonian Orogeny

Syn- and post-rift sedimentation is observed from the Late Precambrian through the Ordovician. Precambrian Grenville age basement rocks, the influence of Iapetan rifting, and the development of the Rome Trough is visible at the base of the stratigraphic section, seen in Figure 9. The transition from the Early to Middle Ordovician period, is stratigraphically delineated by the Knox (Owl Creek) unconformity which is present between the top of the Knox Group and the base of

the Black River-Trenton limestone stratigraphic units (Figure 9). The unconformity was formed as a result of tectonic loading and thermally driven subsidence related to the onset of Caledonian (Taconian/Taconic orogenic phase) orogenesis (Figure 8 and Figure 9; Ettensohn, 2008; Ziegler, 1989). This shift to a protracted period of mountain building and subsequent foreland basin development is reflected in the deposition of a thick and diverse assemblage of basinal sediments (Figure 9), with an expansion of sedimentary units across the basin as the foredeep of the basin progressively translates from the present-day southeast to the northwest (Figure 9 from Ettensohn, 2008).

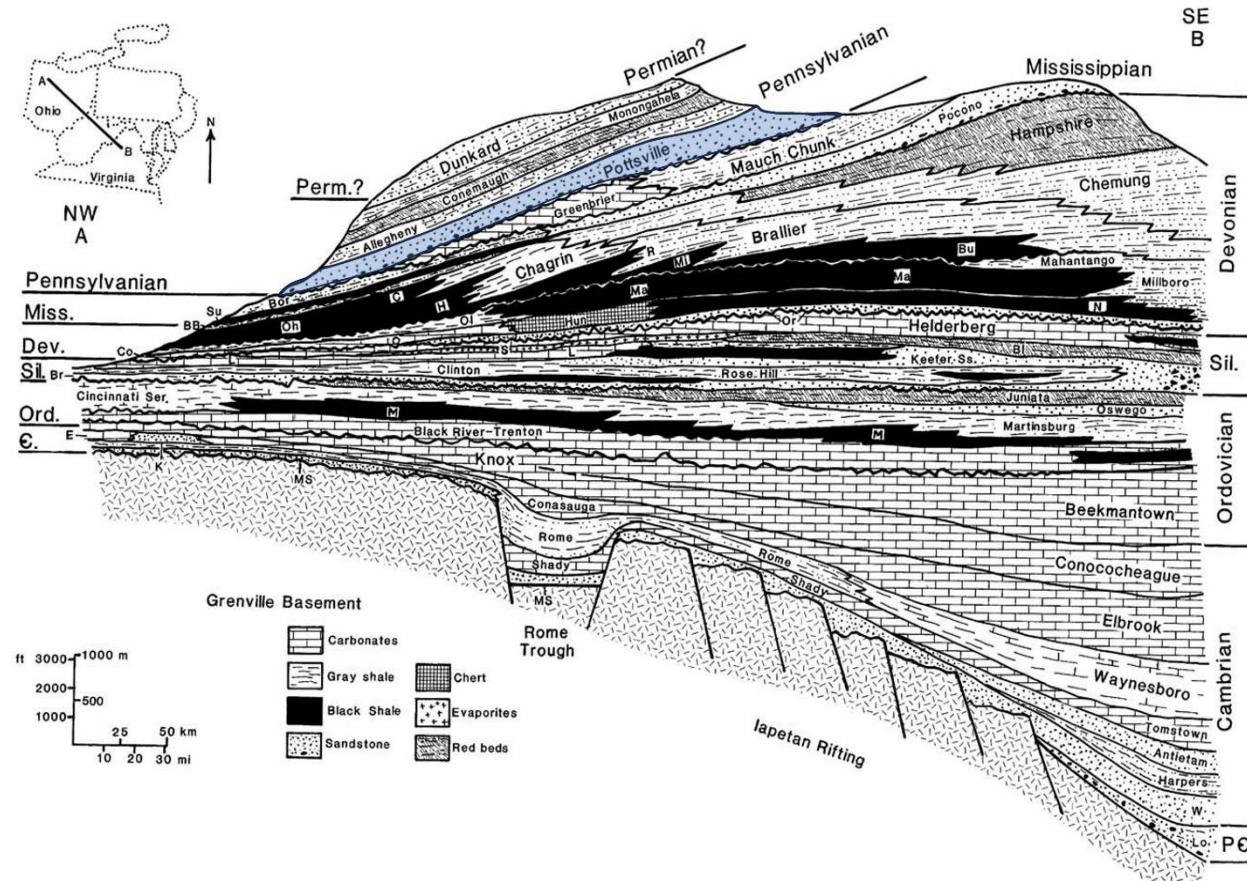


Figure 9: Schematic cross section of the Appalachian Basin from Virginia to Ohio (NW) to Virginia (SE) showing the major relationships of stratigraphic units from the Precambrian to the Permian stratigraphy. The section is flattened on the base of the Silurian. Precambrian Grenville age basement rocks and the influence of Iapetan rifting and the development of the Rome Trough is visible at the base of the section. Syn- and post-rift sedimentation is observed from the Late Precambrian through the Ordovician. The Ordovician transition to foreland basin development as a result of the Caledonian orogeny is represented by the Knox unconformity (dark black squiggly line) between the Knox Group and the Black River-Trenton limestone stratigraphic units. Subsequent flexurally and thermally driven subsidence of the foreland basin is represented by the expansion of sedimentary units across the basin as the foredeep of the basin progressively translates from the present-day southeast to the northwest (Figure from Ettensohn, 2008). Lowest underground sources of drinking water in blue.

The Early-Middle Ordovician Taconian Orogeny commenced with the Owl Creek (Knox) unconformity (Figure 8) and followed with a shift from broad deposition of carbonate facies to more structural variability, and with it, variability in sedimentation. Deposition began with the St. Peter Sandstone in the west and progressed with widening of the foreland basin and deposition of a thick (up to 7,500 ft) succession of dark shales: the Martinsburg, Reedsville, and Utica (Figure 9; Ettensohn, 2008). Dark shale deposition was followed by extensive infill of the fluvial-delta, transitional/marginal marine redbeds of the Queenston Delta (Figure 9 and Figure 10; Colton, 1970; Dennison, 1976; Blue, 2011), and development of the Cherokee discontinuity (Figure 8; Dennison and Head, 1975).

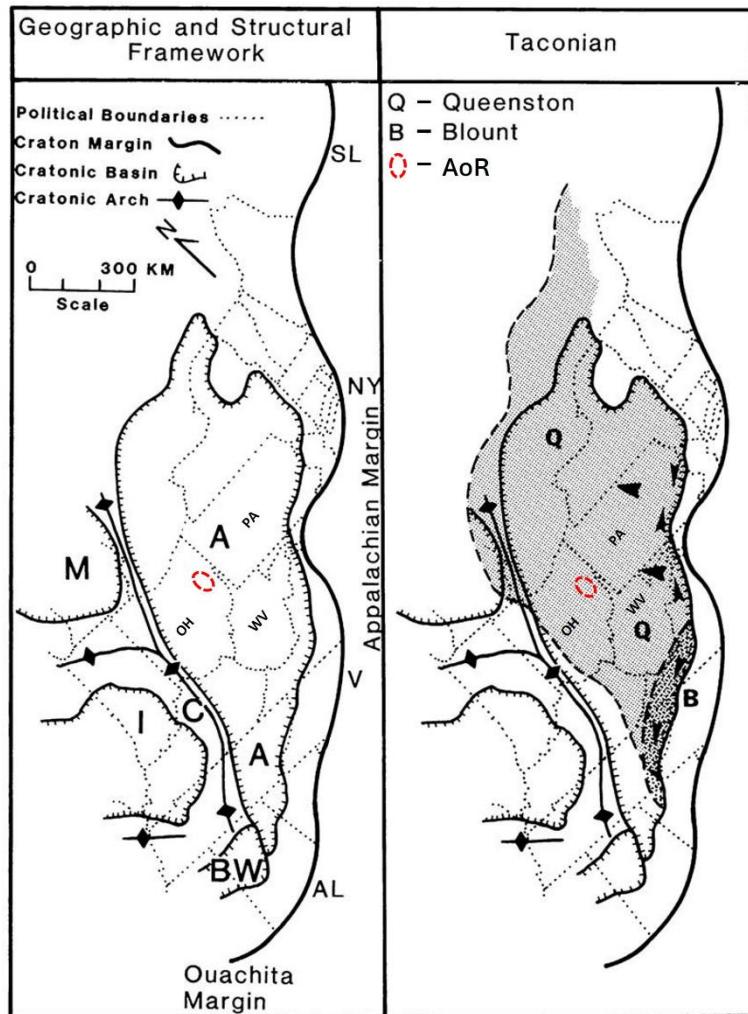


Figure 10: Distribution of Taconian Queenston Delta clastic wedge on southeastern Laurussia. Paleo currents noted by arrows. (Figure from Ettensohn, 2008).

Boucot's (1962) Salinic orogenic event was initially identified as an angular unconformity in the northeastern U.S. but marks the multi-phase north to south migration of tectonism and the accretion of Baltica to form Laurussia. A series of dark shales were deposited in the foreland basin that include the Williamson and time-equivalent Rose Hill formations (Figure 8, Figure 11 and Figure 14; Ettensohn and Brett, 1998). In the project area, Early Salinic tectonism saw the

deposition of a series of iron-rich siliciclastics, shed from the Taconic highlands (Folk, 1960; Colton, 1970; Cecil et al, 2004; Ettensohn, 2008). These clastic sequences are what make up the Medina Group: Grimsby, Whirlpool, Medina, the “Clinton” sands in Ohio, and the Tuscarora of Pennsylvania (see subsection 2.4 of this Application Narrative for more information on the formations that make up the project’s injection zones; Figure 10 and Figure 12; Folk, 1960; Colton, 1970).

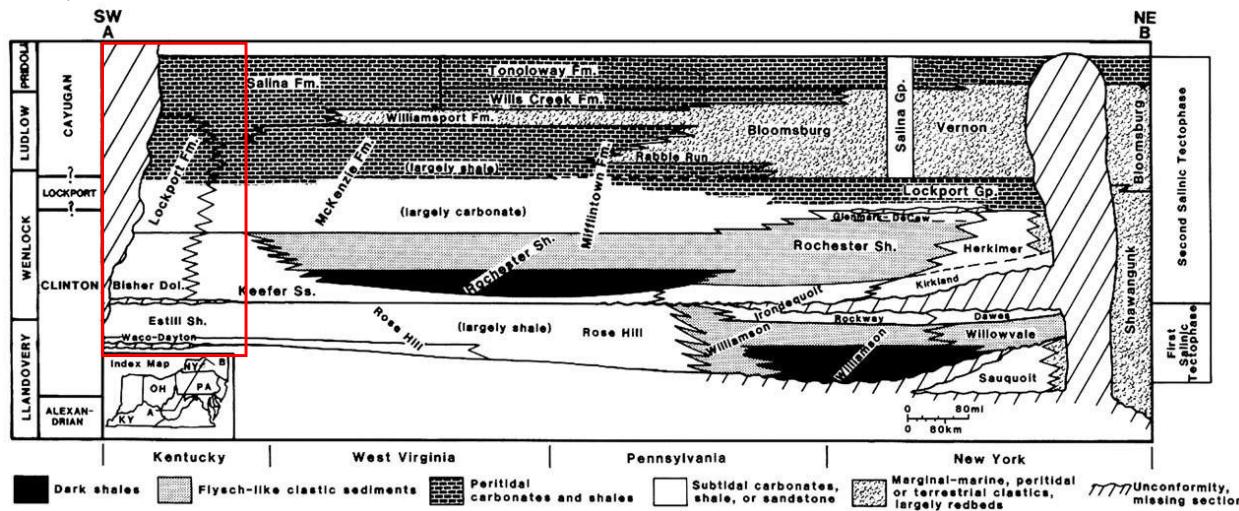


Figure 11: Southwest-northeast section partially parallel to basin strike highlighting the two Salinic phases of tectonism in the Appalachian Basin and the associated formations deposited. The red square is the approximate location of the project area. (Figure from Ettensohn, 2008).

Continued Salinic tectonism is evidenced by the Bloomsburg redbeds deposited in the foreland basin and the Salina evaporites covering the central Appalachians and Michigan Basin in response to restriction of the basin and eustatic sea-level fall (Ultig, 1964; Rickard, 1969; Ziegler, 1989, Ettensohn, 2008). During the Middle Silurian, carbonate platform deposits formed on uplifted terranes, including the Cincinnati-Kankakee-Algonquin arch system, which isolated specific basin areas and led to widespread evaporite deposition in the Upper Silurian (Figure 12; Colton, 1970, Ettensohn, 2008; Coyle, 2022). The evaporite beds of the Salina group were followed by a period of tectonic quiescence and development of a thick succession of carbonates (Figure 8 and Figure 11; Ettensohn, 2008).

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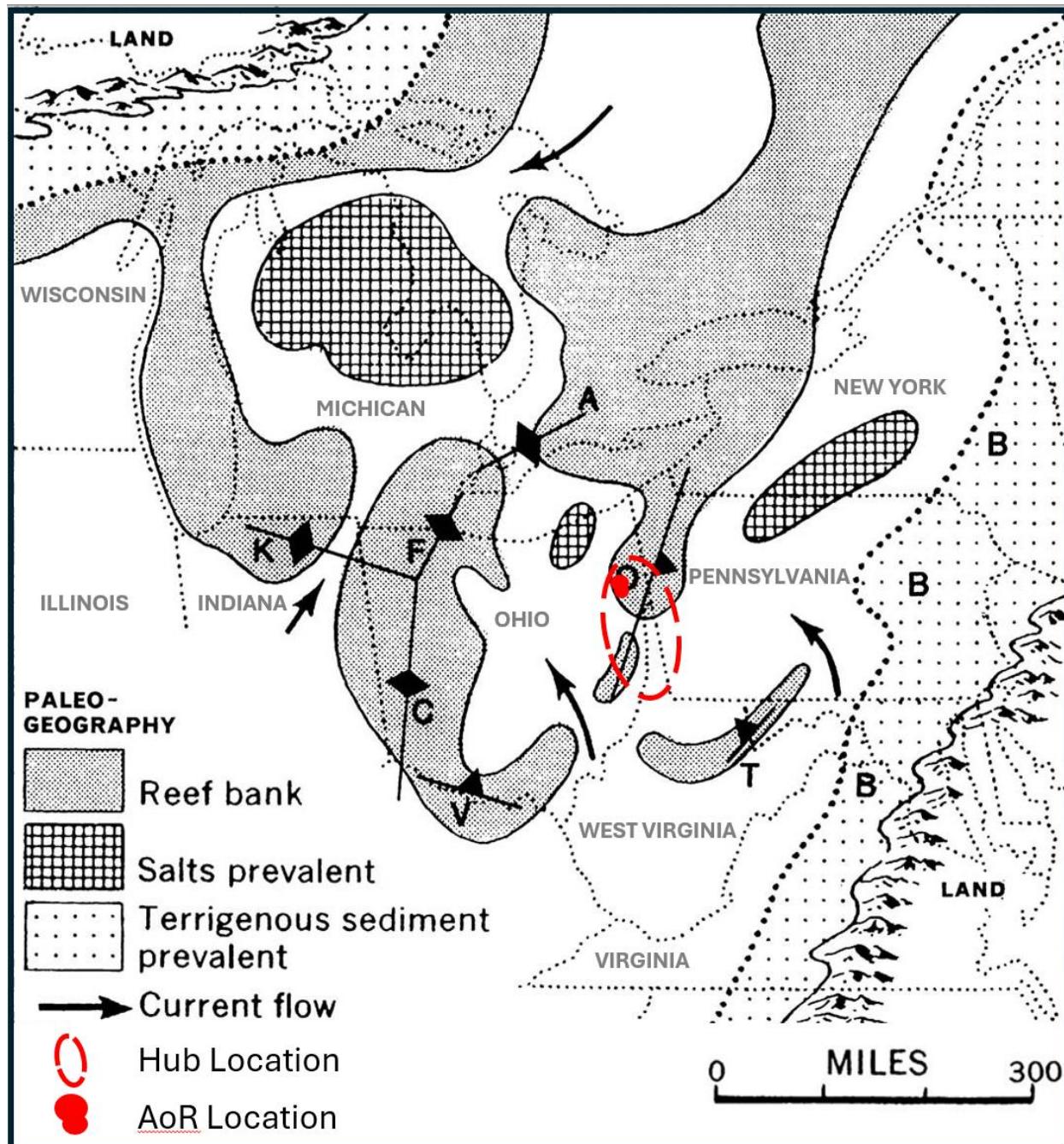


Figure 12: Schematized Late Silurian paleogeographic map of Salinic depositional systems. Deposition and lithologies were driven by bulge migration that reactivated regional basement structures, as well as by foreland subsidence. Depositional systems are labeled as the Algonquin arch (A), Findlay arch (F), Kankakee arch (K), Cincinnati arch (C), Iapetan Ohio-West Virginia hinge zone (O), Tristate block (T), and Grenvillian Vanceburg-Ironton fault zone (V). Arrows point to downthrown or down-dipping sides. Bloomsburg-Vernon redbeds (B). Adapted from Kay and Colbert (1965). Approximate Tri-State CCS Hub location in the red dashed oval and approximate AoR in orange oval shown in solid red.

2.1.6. Devonian-Permian Variscan-Hercynian Orogeny

The Variscan–Hercynian (Acadian phase) orogenic cycle is characterized by the closure of the Rheic Ocean during collision with Gondwana to form Pangaea (Kearey et al., 2009; Torsvik and Cocks, 2016). The Early Devonian Acadian orogenic phase of the Variscan-Hercynian orogeny is characterized by dextral transgressional accretion of the Avalon and Laurussian terranes moving from northeast to southwest; this contrasts with the sinistral accretion of the Salinic orogenic cycle (van Staal et al., 1998; Ettensohn, 2008). Onset of the Acadian orogeny is marked by the Wallbridge discontinuity (Figure 9) and deposition of the Lower Devonian Oriskany Sandstone (Figure 10; Colton, 1970; Ettensohn, 2008). Continued cyclic orogenesis is characterized by the deposition of the Onondaga Formation and is later characterized by transgressive black shales (Marcellus Shale) alternating with clastic wedge deposits (Mahantango Formation) Figure 10; Ettensohn, 2008). The transgressive shales were deposited in the proximal foreland basin, while coarser clastics were deposited craton-ward in toward the peripheral bulge of the foreland basin (Figure 10; Colton, 1970; Ettensohn, 2008). Paleogeographically, the amalgamating supercontinent of Pangaea was moving progressively northward during this time and passing from an arid sub-tropical climatic belt to a more humid tropical equatorial region (Scotese, 2003).

The Alleghenian orogeny is the final tectonic phase of the Appalachian Foreland Basin, signifying the ultimate closure of the Rheic Ocean and the gradual amalgamation of Gondwana and Laurussia, sealing the two landmasses together from South to North and forming Pangaea (Kearey et al., 2009; Torsvik and Cocks, 2016). Alleghenian related foreland basin subsidence is recorded in the sediments deposited from the Monday Creek Unconformity in the Pennsylvanian through the Early Permian (Figure 9 and Figure 10; Sloss, 1963). Hatcher (2005) described the Central Appalachian Basin as a broad fold and thrust belt with megathrusts carrying Paleozoic crust 218 mi across the Laurentian Platform and foreland basin. The thickest accumulations of these siliciclastic sediments, reaching up to 9,500 ft in thickness, are concentrated in the foredeep of the foreland basin (Figure 10; Meckel, 1967; Colton, 1970; Patchen et al., 1985a, b). In contrast to the distribution of clastic wedges in the previous orogenic events, a blanket of siliciclastic sediment advanced westward for over 620 mi, indicative of an overfilled foreland basin (Jordan, 1995). Notably, the sedimentary profile of this orogeny deviates from previous tectophase cycles, primarily comprising terrestrial (abundant coal) and marginal-marine, molasse-like sediments (Ettensohn, 2008). Sediments associated with the Alleghenian orogeny were deposited in a humid climate in a tropical equatorial belt with various paralic, estuarine, fluvial, and alluvial-plain environments being prevalent during this time (Scotese, 2003; Cecil et al., 2004; Ettensohn, 2008).

2.1.7. Paleogeographic Influences on Sedimentation

Though the regional tectonism is the primary control on sedimentation in the basin, the cyclic nature of the sedimentary fill in the basin is also influenced by the paleogeography and glacial-interglacial eustatic cycles (Cecil et al., 2004; Ettensohn, 2008). Through early Cambrian time, the Appalachian Basin area of the Laurentian continent shifted latitudinally from 60° to 40°S, and further north to 15°S through the Late Mississippian. By Late Permian, the Appalachian Basin area was located 5°N of the Equator (Kearey et al., 2009; Torsvik and Cocks, 2016). This shift to the north is recorded in the siliciclastic-carbonate-siliciclastic pattern of basinal sedimentation as the landmass passed through varying climatic zones (Scotese, 2003; Cecil et al., 2004).

2.1.8. Summary

Sediments deposited from the Upper Cambrian to the Middle Ordovician and the Upper Ordovician to the end of the Silurian are the intended injection complexes for this sequestration project (Figure 30). The oldest injection complex includes: the Conasauga Group (lowest confining zone), Knox Group: Copper Ridge Dolomite (confining/possible injection), Rose Run (injection zone), Beekmantown Dolomite (confining/possible injection zone), and Wells Creek Formation (Knox upper confining zone). The middle injection complex consists of the Queenston Shale (lower confining zone for the Medina), the Medina Group (middle injection zone), and the Rochester Shale (upper confining zone of the Medina Group and lower confining zone of the Lockport Group). Another potential injection complex includes the Lockport Dolomite Group (possible upper injection zone), and Salina Group (Uppermost Confining Zone). Characterization, lateral continuity, and remaining uncertainties are discussed in subsection 2.4 of this Application Narrative.

2.1.9. Hydrogeology

Aquifers in the central region of the Appalachian Basin remain in the shallow subsurface and are represented by aquifers through the Lower Pennsylvanian (Figure 11 see subsection 2.1.5 of the Application Narrative). They are the Conemaugh Group, Allegheny Formation, and Pottsville Group (Sharon Sandstone), and in the project area, they are less than 1,000 ft below ground surface (bgs). Each of these units has various geologic intervals that serve as aquifers or aquitards, and are shown in Figure 61 and described further in subsection 2.7 of this Application Narrative. The hydrology of the region is largely influenced by seasonal precipitation, snowmelt, and groundwater recharge.

2.1.10. Mining

Mining in Ohio has played a significant role in the state's economic and industrial development, particularly through the extraction of coal, limestone, clay, and salt. The Appalachian Coal Basin, encompassing southeastern Ohio, has historically been a major coal-producing region, with deposits from the Pennsylvanian-age Allegheny and Monongahela formations being widely mined for use in power generation and industrial production (Lamborn, 1942; Milici, 2014; Wright and Erber, 2018). These coals have also been evaluated for their resource potential in coalbed methane (Milici, 2014). Additionally, Ohio's salt resources, primarily from the Silurian Salina Group near Lake Erie, have been extensively mined for use in road de-icing and chemical industries (Clifford, 1973; Hansen, 1996).

The project area is located mostly within the western, unfolded, portion of the Dunkard Basin, though the westernmost portion of the folded eastern Dunkard basin, where some coalbed methane has been produced (Milici, 2014). Mineable coal resources are found in upwards of 40 counties in eastern Ohio, though not all have been mined (Figure 13; Brant and Delong, 1960; Wright and Erber, 2018). The coals occur in the same stratigraphic intervals that have been identified as underground sources of drinking water as outlined in subsection 2.7 of the Application Narrative: the Pottsville, Allegheny, Conemaugh, and Monongahela. Pennsylvanian coals are commonly present in the panhandle of West Virginia and southwestern Pennsylvania, as well (Milici, 2014).

Additionally, the Permian Dunkard group is present, though the coals are generally thin and low quality, even in the well-developed fluvial–lacustrine deltaic plain (Fedorko and Skema, 2013).

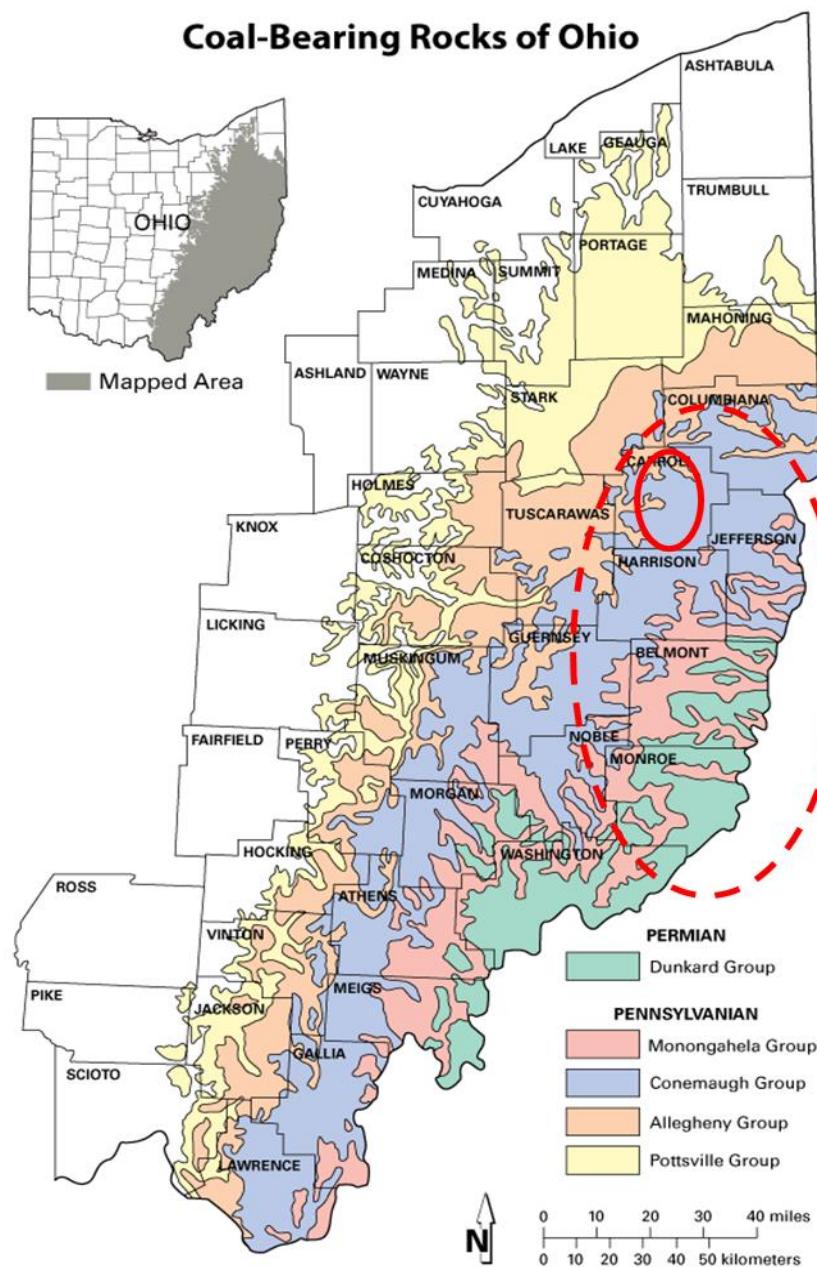


Figure 13: Map of coal bearing rocks in Ohio. Project area is the red dashed oval, and the approximate AoR is the solid red oval. Modified from Wright and Erber, 2018).

Figure 14 shows the stratigraphic column of the major lithologic units and their associated coals in the Pennsylvanian and Permian Systems in Ohio (Wright and Erber, 2018). The coals outlined in the dashed red lines are the minable coals in Carroll County, Ohio.

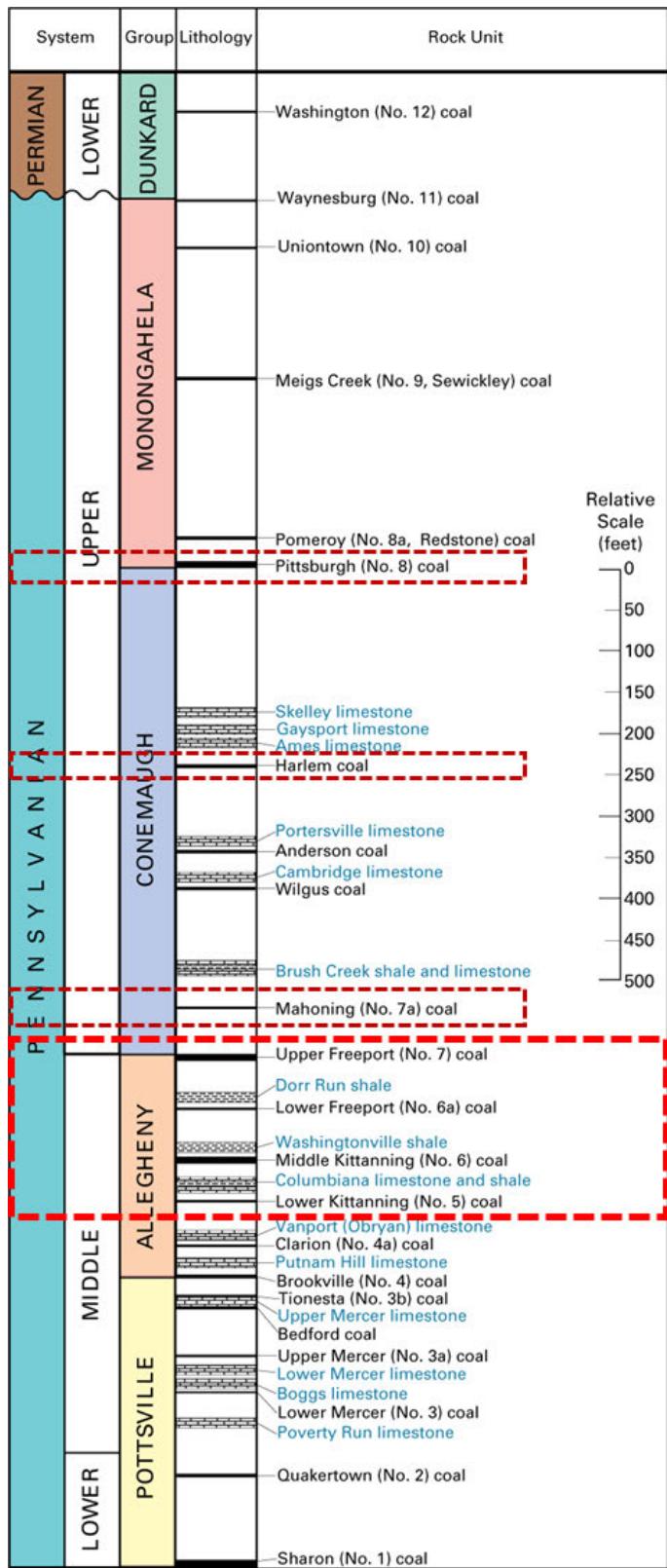


Figure 14: Stratigraphic column of the major lithologic units and their associated coals in the Pennsylvanian and Permian Systems in Ohio (modified from Wright and Erber, 2018).

The coal reserves of Carroll County are primarily derived from the Allegheny coal beds, which are exposed along the county's western and northern edges. The Brookville (No. 4) coal bed, the basal unit of the Allegheny formation, is visible near stream level in the northwest, with a thickness ranging from 14 to 28 inches, though limited data is available to the East (Brant and Delong, 1960). The Lower Kittanning (No. 5) coal bed, found midway in the Allegheny formation, crops out in the western and northwestern parts of Carroll County, ranging from 28 to 42 inches thick (Lamborn 1942; Brant and Delong, 1960). The Lower Kittanning coal bed in Ohio has a discontinuous extent, typically consisting of three coal benches separated by thin mudstone partings, though in some areas it comprises one or two benches with a single mudstone parting (Lamborn, 1942; Wright and Erber, 2018). Similarly, the Middle Kittanning (No. 6) coal bed is mainly exposed in the western half of the county and is typically consistent in thickness and areal extent, comprising a thicker upper bench, a thin mudstone parting, and a thinner lower bench (Lamborn, 1942; Brant and Delong, 1960; Wright and Erber, 2018). The Lower Freeport (No. 6a) coal bed underlies nearly all of Carroll County, with notable minable areas in the Indian Fork Creek valley and the southeastern county region near the Carroll-Jefferson boundary (Lamborn, 1942; Brant and Delong, 1960). The Upper Freeport (No. 7) coal bed is found along the western and northern parts of the county and in deep valleys to the east, with thicknesses ranging from a few inches to nearly 5 feet (Lamborn, 1942).

Above the Allegheny Group, the Conemaugh Group includes the Harlem and Mahoning coal beds, with the Harlem being more geologically robust and mined for local use (Lamborn, 1942; Brant and Delong, 1960). The Mahoning coal bed is thin and irregular throughout Carroll County but has been mined locally in Center and Fox Townships (Brant and Delong, 1960). Additionally, the Pittsburgh (No. 8) coal bed is limited to a few acres in southeastern Carroll County but is a more significant resource to the southeast (Lamborn, 1942; Brant and Delong, 1960; ODNR, 2024).

The available resources in Ohio for the Middle Kittanning (No. 6) coal have been estimated at 11.9 billion short tons. The available reserves for the Lower Kittanning (No. 5) coal in Ohio was estimated at 7 billion short tons (Wright and Erber, 2018). In Carroll County, the greatest part of the estimated reserve is also found in the Lower Kittanning and Middle Kittanning coal beds, which are followed in order of reserve importance: the Upper Freeport, Lower Freeport, with only local mining use in the Harlem, Brookville, Mahoning, and Pittsburgh coal beds (Lamborn, 1942; Brant and Delong, 1960; Wright and Erber, 2018). The Middle Kittanning (No. 6) coal has an original resource estimate of 1,186,290 thousand short tons, 32,849 thousand short tons of which have been mined, and the Lower Kittanning (No. 5) coal has an original resource estimate of 881,555 thousand short tons, 26,026 thousand short tons of which have been mined (Wright and Erber, 2018).

There are two historical and three active industrial mineral permits, 48 historic and 61 active surface mine permits, 1,666 historic and two active underground mine permits, and 24 mine openings in the AoR (Figure 14). The active underground mines in the AoR are permitted for the Middle Kittanning (No. 6) coal and the Upper Freeport (No. 7) coal (see Section 2 of the Construction Details for TB1-4 for well design details within the permitted mine and subsection 4.1.2 of the Area of Review and Corrective Action Plan for mine details).

2.1.11. Local Structural Geology

The project area includes the following major structural geologic features, which are discussed further below:

- Rome Trough Fault System;
- Highlandtown Fault Zone;
- Burning Springs – Cambridge Fault Zone; and
- Unnamed Compressional Faults.

Additional discussion of faults in relation to the AoR and a determination that they would not interfere with containment in the injection zones is included in subsection 2.3 of the Application Narrative.

2.1.11.1. Rome Trough Fault System

The Rome Trough Fault System is a major structural feature of the region (Figure 15) and extends from central Kentucky to the northeast, crossing West Virginia, and into western Pennsylvania. The Rome Trough Fault System represents a broad zone of deformation related to failed Eastern Interior rifting during the Early and Middle Cambrian that is associated with the opening of the Iapetus-Theic Ocean (Woodward, 1961; McGuire and Howell, 1963; Shumaker, 1986; Thomas, 1991).

In northern West Virginia, the failed rift graben of the Rome Trough is characterized by a broad, tilted horst block that is bound on its western margin by the Interior Fault and to the east by the East-Margin Fault (Figure 16; Gao et al., 2000). Seismic interpretation across the Rome Trough Fault System (Figure 16) suggests that the East-Margin Fault influenced both the basin geometry and depositional systems during the Early to Middle Cambrian rifting stage; however, during the Late Cambrian to Ordovician passive-margin and Middle to Late Paleozoic foreland basin stages, the structure is interpreted to be inactive (Gao et al., 2000).

The Rome Trough Fault System and related structures transect Marshall County, West Virginia and Washington County, Pennsylvania; they are located approximately 50 miles to the southeast of Carroll County, Ohio.

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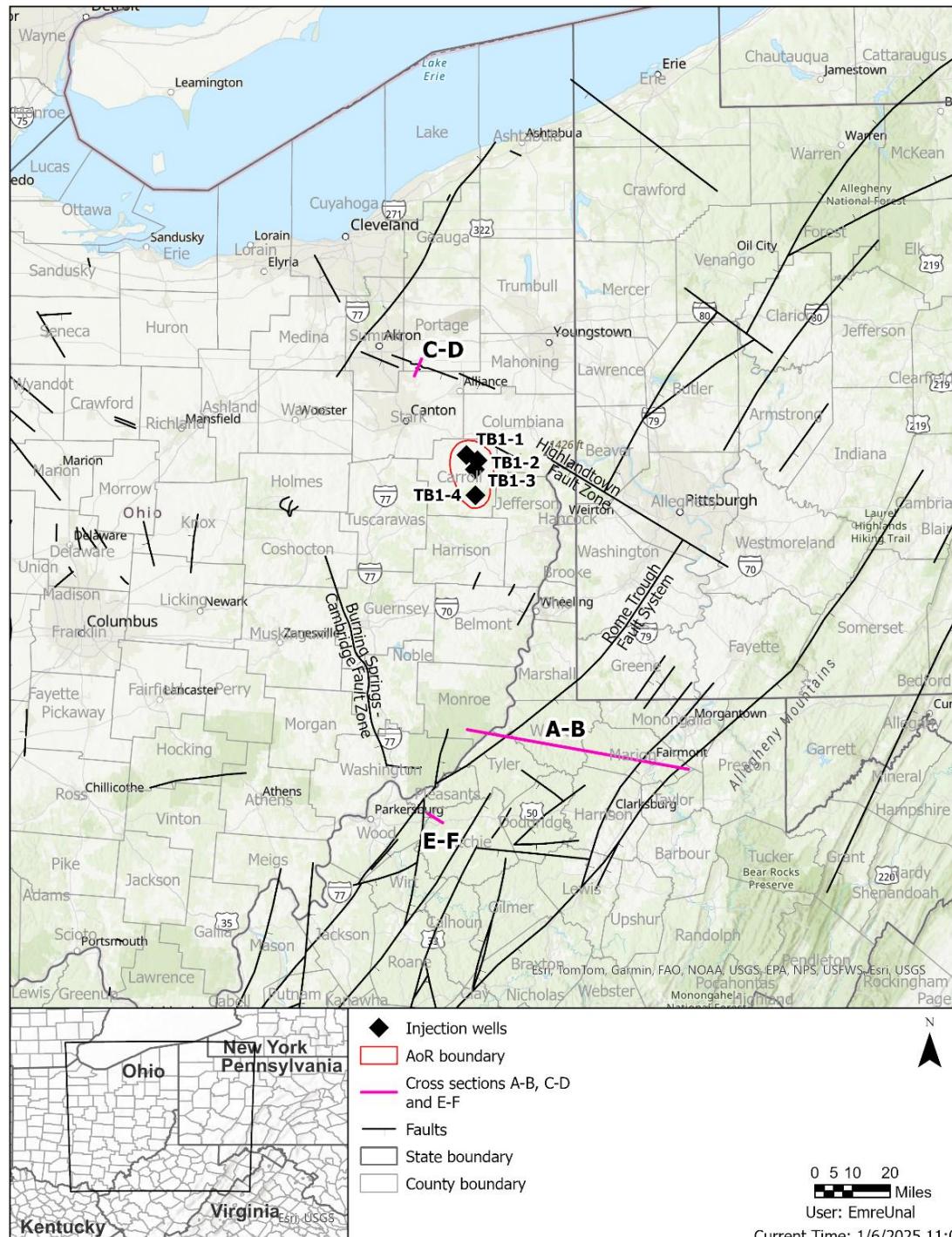


Figure 15: Regional fault map of the study area. Major structures discussed include the Rome Trough Fault System, Highlandtown Fault System, Burning Springs – Cambridge Fault Zone, and unnamed compressional faults. Location of cross-section A-B (Figure 16), C-D (Figure 17 and E-F (Figure 18) are shown. Fault locations adapted from Baranoski, 2013; Root and Onasch, 1999. The AoR boundary is shown as a red oval.

2.1.11.2. Highlandtown Fault Zone

The Highlandtown Fault Zone (Figure 17) extends from southwestern Pennsylvania through northernmost West Virginia, continuing across northeastern Ohio (Root and Onasch, 1999). The Highlandtown Fault Zone is composed of multiple en-echelon fault segments. Near northern West Virginia, this segment of the fault is referred to as the Pittsburgh-Washington lineament (Gray, 1982) or the Pittsburgh-Washington cross-strike structural discontinuity (Baranoski, 2013). The Highlandtown Fault lies approximately 5.5 mi from the most northern injection well in the project area.

The Highlandtown Fault Zone is characterized by a series of steeply dipping basement faults that transect the structural grain of the region at a high angle (Root and Onasch, 1999). The fault system generally dips to the south and exhibits normal displacement that occurred intermittently throughout the Paleozoic, affecting both the distribution and thickness of Cambrian to Permian age sediments (Root and Onasch, 1999). Figure 17 shows an example seismic line and interpretation across the Highlandtown Fault Zone in Ohio showing normal fault displacement and development of a flexural monocline in Paleozoic strata (Root and Onasch, 1999).

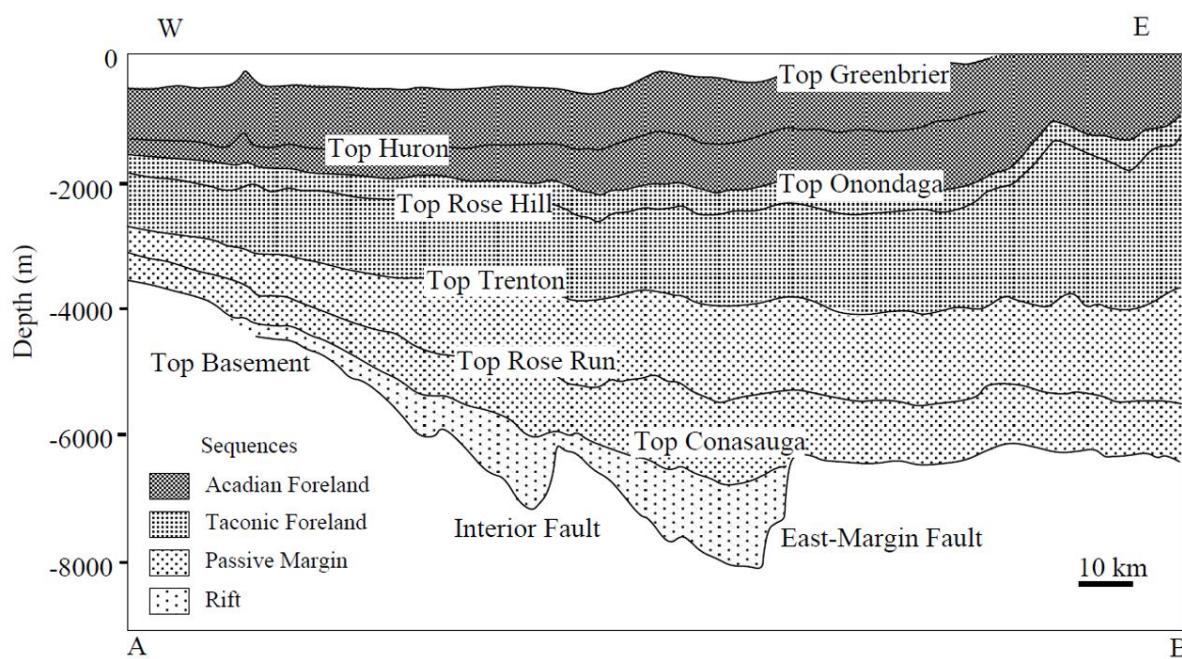


Figure 16: Regional cross-section across the Rome Trough Fault System. See Figure 15 for location of cross-section A-B. Interior Fault and the East-Margin Fault are part of the Rome Trough Fault System. From Gao et al., 2000.

2.1.11.3. Burning Springs – Cambridge Fault Zone

The Burning Springs–Cambridge Fault Zone, also known as the Cambridge cross-strike structural discontinuity (Baranoski, 2013), trends north-northwest and extends from north-central West Virginia across Ohio toward Lake Erie (Root, 1996; Figure 15). The Burning Springs segment of the fault is in West Virginia and transects the Rome Trough Fault System at a high angle.

The Burning Springs segment of the fault zone is characterized by a broad zone of deformation that includes both basement-involved high-angle normal faulting and northwestward directed thrust faulting (Root and Onasch, 1999). Basement-involved normal faulting, similar to the timing of other structures in the area, occurred on the Burning Springs fault segment from the Cambrian to the Pennsylvanian-Permian (Root, 1996). Later episodes of detached thrust faulting along the Burning Springs–Cambridge Fault Zone is attributed to the Pennsylvanian-Permian age Alleghanian orogeny (Root and Onasch, 1999). Compressional deformation associated with the Alleghanian orogeny forms several well developed anticlines, which includes the Burning Springs anticline, as a result of fault-related thrust faulting (Figure 18).

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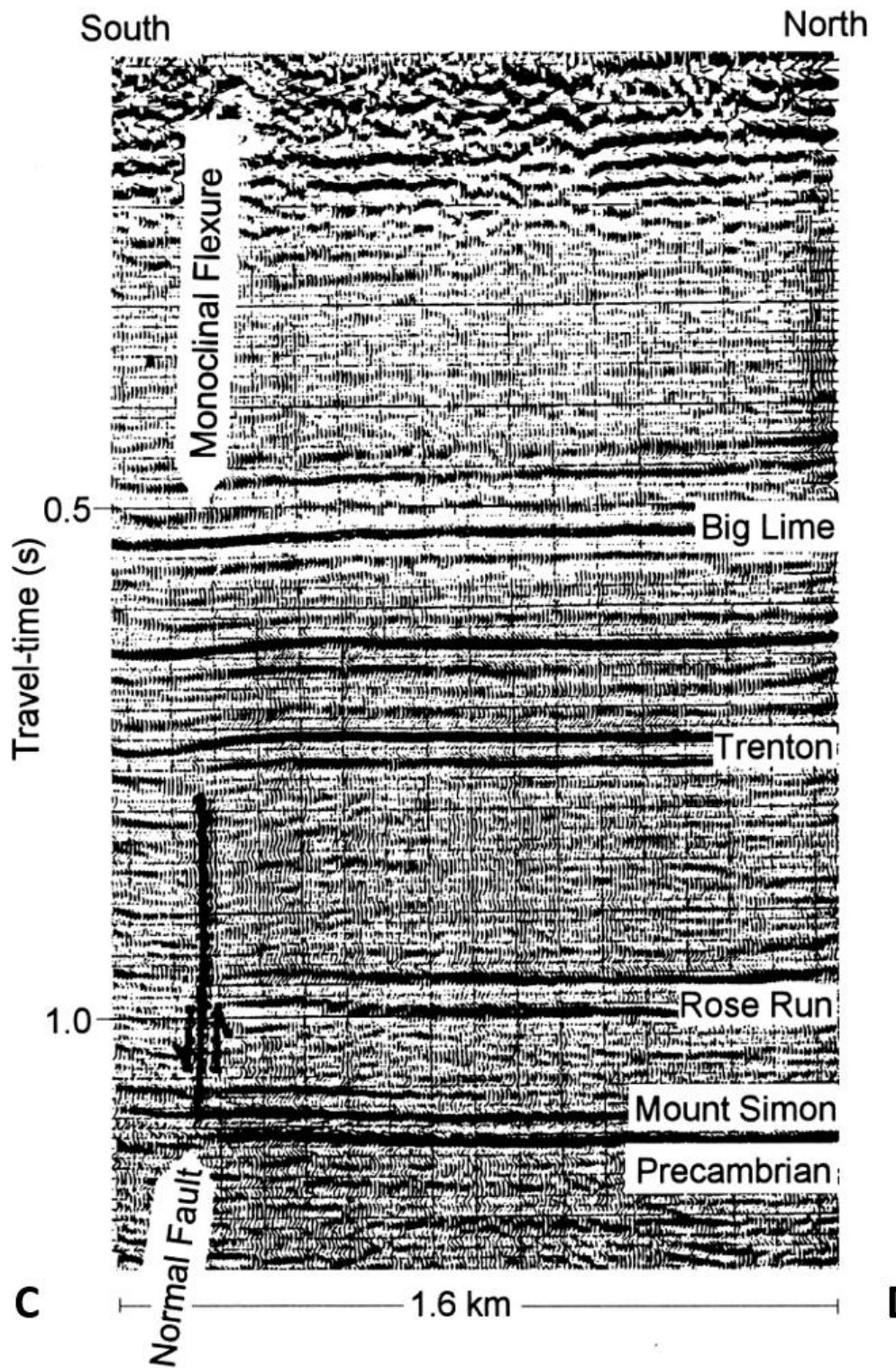


Figure 17: Example seismic cross-section across the Highlandtown Fault System in Ohio, see Figure 15 for location of cross-section C-D. From Root and Onasch, 1999. Note, “Big Lime” nomenclature is equivalent to the Greenbrier series in Southern West Virginia (Wilpolt and Marden, 1959).

2.1.11.4. Unnamed Compressional Faults

Several examples of unnamed compressional faults are observed from seismic reflection data in northernmost West Virginia and eastern Ohio (Figure 15). These faults were originally observed on reprocessed seismic reflection data collected as part of the Consortium for Continental Reflection Profiling (COCORP) in Ohio (Dean et al., 1998; Baranowski, 2013). Similar structures are also observed on seismic reflection data interpreted in West Virginia and Ohio as part of this project (see subsection 2.3 of this Application Narrative for a discussion of these structures).

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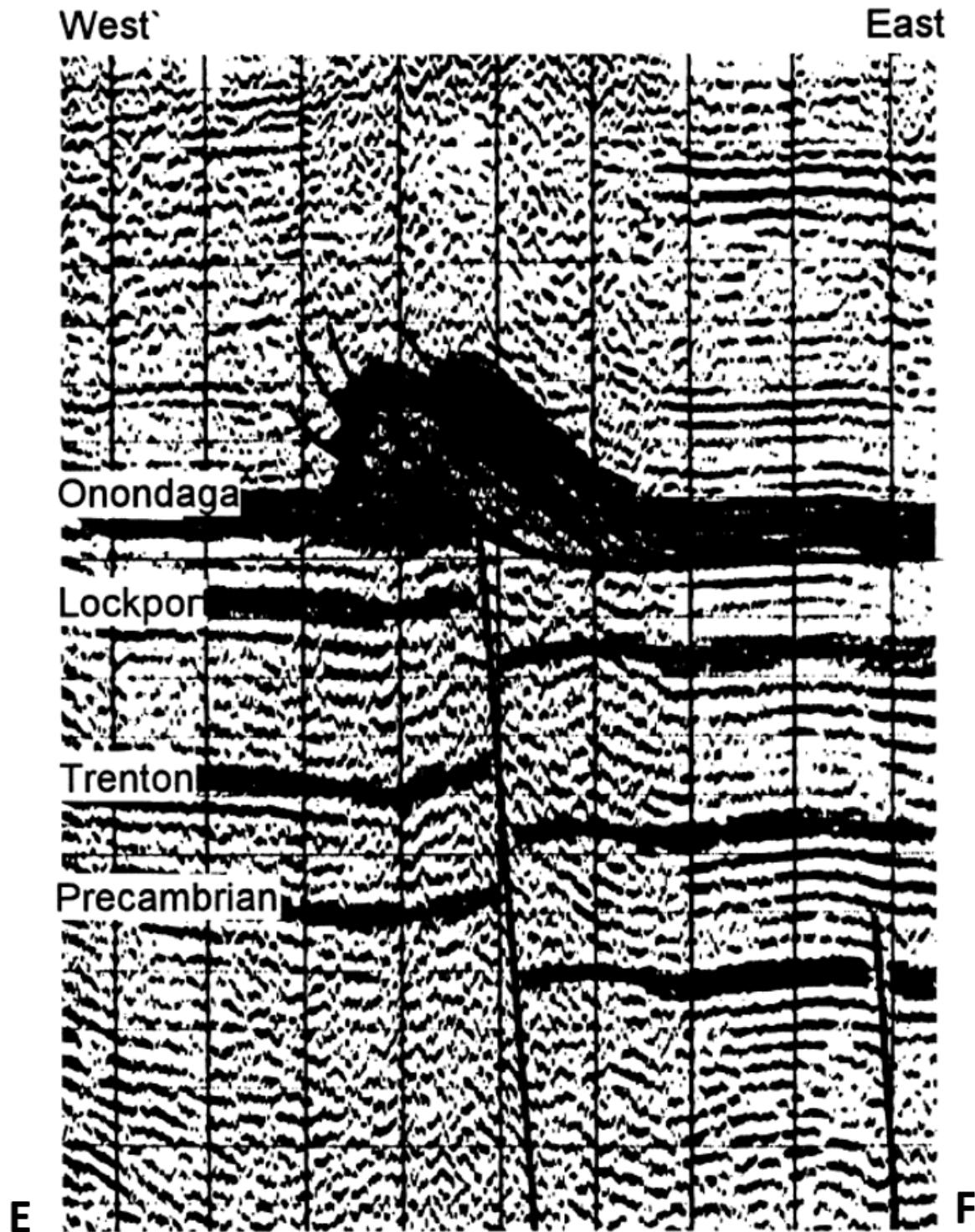


Figure 18: Seismic reflection profile across the Burning Springs anticline in West Virginia. Located along the Burning Springs – Cambridge Fault Zone. From Root and Onasch, 1999.

2.1.12. Data Used for Geologic Characterization

The data used to develop the geologic model for the project includes drilled well information and two-dimensional (2D) seismic data. Drilled well information includes location, deviation surveys, well logs, hydrocarbon production, and wastewater injection rates from various 3rd party vendors, State databases (ODNR), and publicly shared research. The well logs include Measured Depth, Gamma Ray (GR), Neutron Porosity Sandstone, Density Porosity Sandstone, Bulk Density, Spontaneous Potential (SP), Caliper, Shallow, Medium and Deep Resistivity, and Sonic. In addition, historic core analyses from 17 wells along with literature analyses from other core were used to characterize the injection complexes (Table 2).

Digital well logs from 111 legacy wells were licensed and loaded into Petrel geologic interpretation software (Petrel is trademarked by and licensed from Schlumberger (SLB) Corporation) and used for petrophysical evaluation and picking tops for the three CCS Systems' reservoirs and confining units. An additional 141 wells with formation tops were used for structural control. Well log cross sections, shown later in this Application Narrative, were created using a subset of these logs. Subsets of these data sets were used to build the petrophysical model and calculate the porosity and permeabilities for the injection complexes (further discussed in subsections 2.4 and 2.5 of this Application Narrative). Locations of wells, cores, and type logs used to evaluate the subsurface and build the geologic model are outlined in Table 2, and their locations are shown in Figure 19 through Figure 21.

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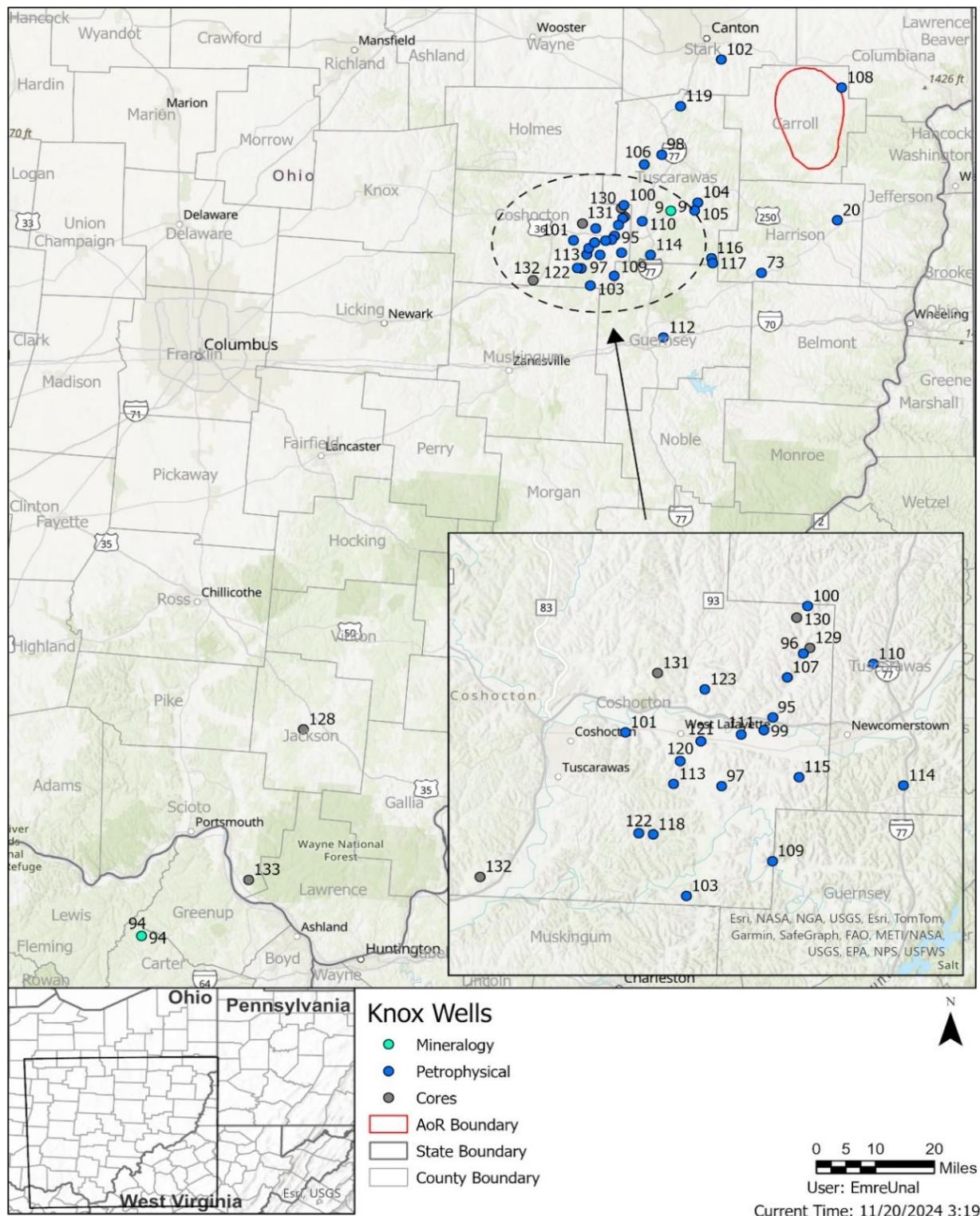


Figure 19: Location of wells used to characterize the Knox Group mineralogy and petrophysics and wells used for the core study. See Table 2 to match well numbers with API numbers, latitudes, and longitudes.

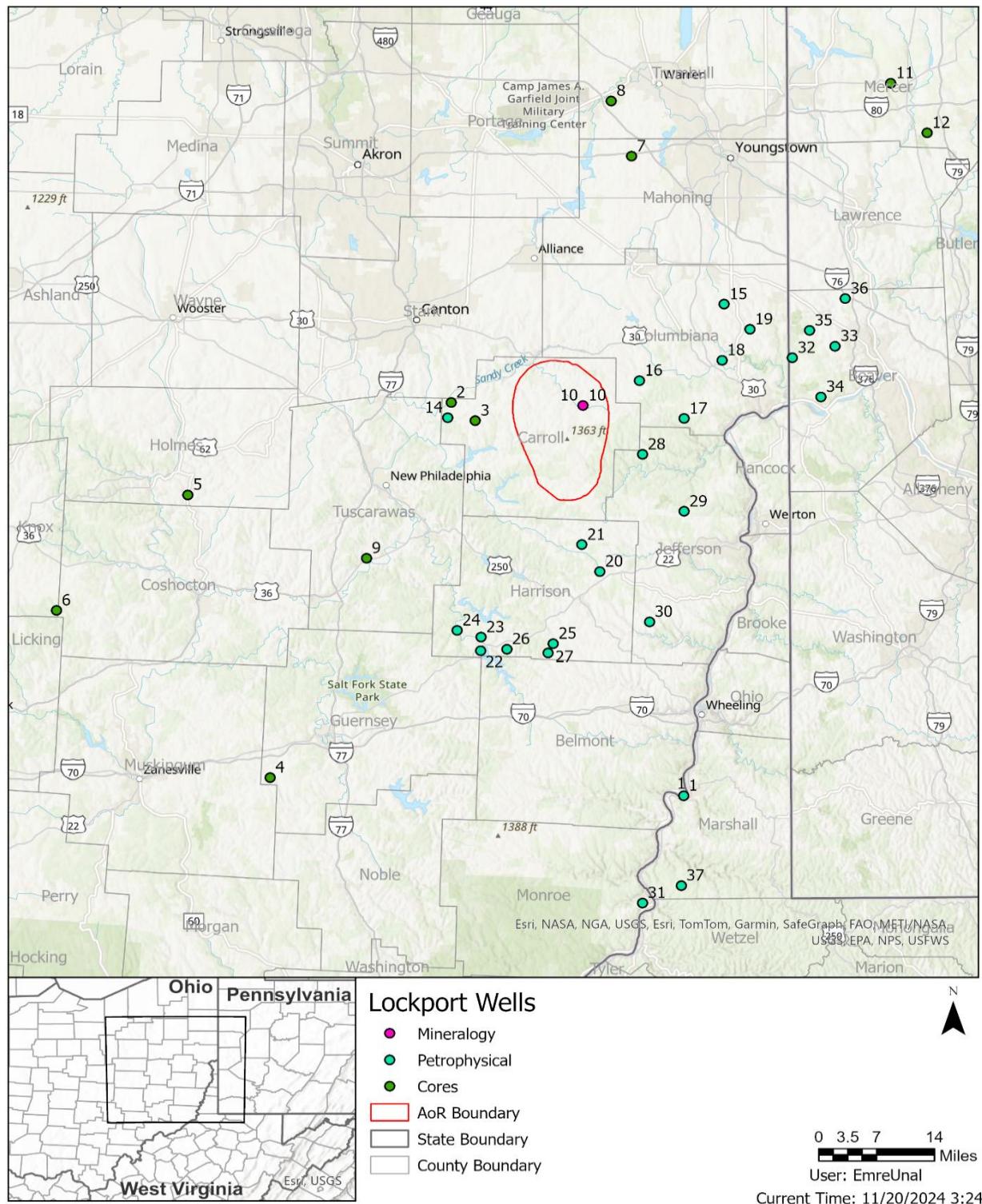


Figure 20: Location of wells used to characterize the Lockport Dolomite Group mineralogy and petrophysics and wells used for core study. See Table 2 to match well numbers with API numbers, latitudes, and longitudes.

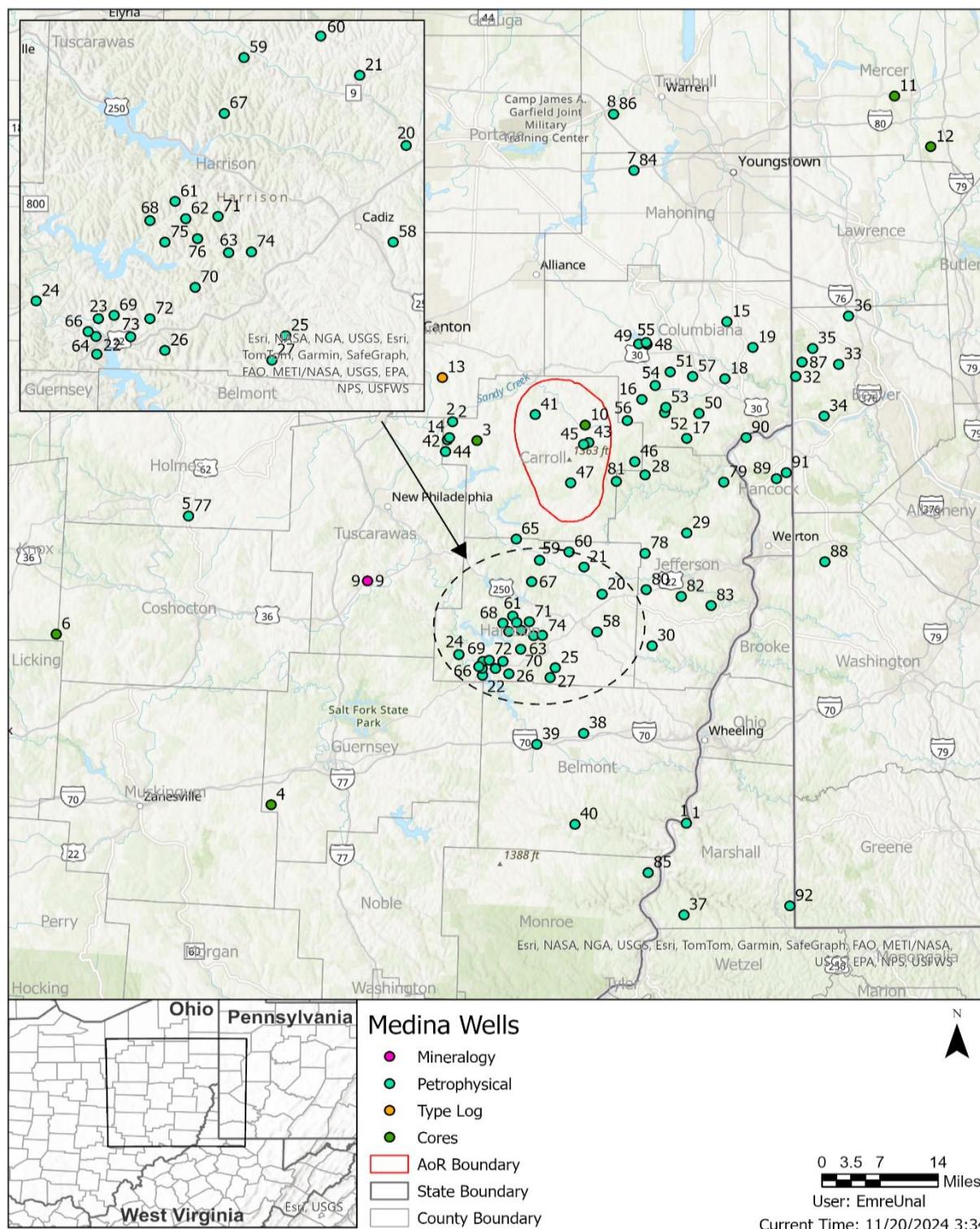


Figure 21: Location of wells used to characterize the Medina Group mineralogy and petrophysics and wells used for core study. See Table 2 to match well numbers with API numbers, latitudes, and longitudes.

Table 2: List of well names, API numbers, latitude and longitudes (WGS 84) for core, type logs, literature core studies, and petrophysical model logs used to build the geologic model.

| Well Name and Number | API | Lat | Long | Well Numbers |
|---|----------------|------------|-------------|--------------|
| Medina/Lockport Wells with Core | | | | |
| MRCSP-FEGENCO 1 | 34013205860000 | 39.9128346 | -80.7642922 | 1 |
| SMITH B P & EVANS S T 4 | 34019202560000 | 40.6439492 | -81.297143 | 2 |
| KAPLAN UNIT 3 | 34019204460000 | 40.61018 | -81.2412 | 3 |
| LINKHORN 1 | 34059209210000 | 39.9448517 | -81.7066625 | 4 |
| WAGERS WILLIAM 1 | 34075209900000 | 40.4690814 | -81.9009046 | 5 |
| WILT JOHN & EVELYN 1 | 34083212600000 | 40.2512567 | -82.1989563 | 6 |
| INTERSTATE INTERCHANGE 1 | 34099204320000 | 41.1019946 | -80.8807876 | 7 |
| SHERMAN WM C 1 | 34155200390000 | 41.2048016 | -80.9274195 | 8 |
| BELDEN BRICK UNIT (OHIO GEOLOGICAL SURVEY CO2) 9 (1) | 34157253340000 | 40.3537051 | -81.4899615 | 9 |
| Wells from Core Study - Lockport/Medina | | | | |
| Great Lakes Energy Ocel #1 well in Carroll County, Ohio | 34019219720000 | 40.638621 | -80.993042 | 10 |
| Johnson #1 well in Mercer County, Pennsylvania | 37085214680000 | 41.235710 | -80.278039 | 11 |
| Baker #1 well at Kilgore pool, Mercer County, PA | 37085216960000 | 41.142730 | -80.195044 | 12 |
| Medina Type Log | | | | |
| Sickafoose-Morris #1 | 34151220180000 | 40.724857 | -81.321837 | 13 |
| Medina Mineralogy | | | | |
| BELDEN BRICK UNIT (OHIO GEOLOGICAL SURVEY CO2) 9 (1) | 34157253340000 | 40.353705 | -81.489962 | 9 |
| Lockport Mineralogy | | | | |
| Great Lakes Energy Ocel #1 well in Carroll County, Ohio | 34019219720000 | 40.638621 | -80.993042 | 10 |
| Lockport Petrophysical Wells | | | | |
| MRCSP-FEGENCO 1 | 34013205860000 | 39.9128346 | -80.7642922 | 1 |
| HICKORY CLAY 12 | 34019219200000 | 40.6153861 | -81.3044823 | 14 |
| COLBOURN UNIT 1 | 34029216560000 | 40.8263292 | -80.667427 | 15 |
| ALBANESO 24-14-4 8H | 34029217050100 | 40.684917 | -80.863286 | 16 |
| JANIE TRUST 5-12-3 1 | 34029217060000 | 40.6141223 | -80.7603322 | 17 |
| KERNICH 3-10-2 1 | 34029217240000 | 40.722447 | -80.672836 | 18 |
| CARNEY 17-7-1 3 | 34029217270000 | 40.7796295 | -80.6083972 | 19 |
| CHARLENE SCHANEY ETAL 1 | 34067203550000 | 40.3301239 | -80.9547212 | 20 |
| ARBAUGH BRUCE 1 | 34067204270000 | 40.3798018 | -80.9956969 | 21 |
| MORRISON P 1 | 34067205260000 | 40.18257 | -81.2278256 | 22 |
| DUNLAP HARVEY L & SHIRLEY 1 | 34067205310000 | 40.2076717 | -81.2263962 | 23 |
| PERKOWSKI - BOND 2 | 34067208600000 | 40.2201488 | -81.2813112 | 24 |
| ALPHA ATH HR 1P-24 | 34067210740000 | 40.19602 | -81.061169 | 25 |

| Well Name and Number | API | Lat | Long | Well Numbers |
|-----------------------------------|----------------|------------|-------------|--------------|
| BK STEPHENS 3-16H | 34067211360000 | 40.185399 | -81.167536 | 26 |
| DARLA 2-22H | 34067211640000 | 40.1785579 | -81.0733873 | 27 |
| BROWN 36-11-3 10 | 34081205070000 | 40.547562 | -80.8566 | 28 |
| DENOON 5-10-3 3 | 34081205130000 | 40.4415108 | -80.7609847 | 29 |
| SMITHFIELD A 1H-27 | 34081205430000 | 40.2362792 | -80.841173 | 30 |
| ORMET 10-15UH | 34111244590000 | 39.713421 | -80.857904 | 31 |
| JAMES THARP 3H | 37007203050000 | 40.726239 | -80.510225 | 32 |
| ROLLING ACRES 8H | 37007203070000 | 40.747528 | -80.4115 | 33 |
| FERREBEE BEA 3H | 37007203110000 | 40.653472 | -80.445194 | 34 |
| POWELL BEA 6H | 37007203180000 | 40.776861 | -80.470583 | 35 |
| WALL BEA 3H | 37007203520000 | 40.835639 | -80.3875 | 36 |
| SIMMS NO. U-5H | 47051017310000 | 39.745971 | -80.770265 | 37 |
| Medina Petrophysical Wells | | | | |
| MRCSP-FEGENCO 1 | 34013205860000 | 39.9128346 | -80.7642922 | 1 |
| SMITH B P & EVANS S T 4 | 34019202560000 | 40.6439491 | -81.2971430 | 2 |
| HICKORY CLAY 12 | 34019219200000 | 40.6153861 | -81.3044826 | 14 |
| COLBOURN UNIT 1 | 34029216560000 | 40.8263292 | -80.6674270 | 15 |
| ALBANESO 24-14-4 8H | 34029217050100 | 40.6849170 | -80.8632860 | 16 |
| JANIE TRUST 5-12-3 1 | 34029217060000 | 40.6141224 | -80.7603322 | 17 |
| KERNICH 3-10-2 1 | 34029217240000 | 40.7224470 | -80.6728360 | 18 |
| CARNEY 17-7-1 3 | 34029217270000 | 40.7796295 | -80.6083972 | 19 |
| CHARLENE SCHANEY ETAL 1 | 34067203550000 | 40.3301243 | -80.9547208 | 20 |
| ARBAUGH BRUCE 1 | 34067204270000 | 40.3798020 | -80.9956971 | 21 |
| MORRISON P 1 | 34067205260000 | 40.1825698 | -81.2278261 | 22 |
| DUNLAP HARVEY L & SHIRLEY 1 | 34067205310000 | 40.2076720 | -81.2263958 | 23 |
| PERKOWSKI - BOND 2 | 34067208600000 | 40.2201493 | -81.2813107 | 24 |
| ALPHA ATH HR 1P-24 | 34067210740000 | 40.1960200 | -81.0611690 | 25 |
| BK STEPHENS 3-16H | 34067211360000 | 40.1853990 | -81.1675360 | 26 |
| DARLA 2-22H | 34067211640000 | 40.1785579 | -81.0733873 | 27 |
| BROWN 36-11-3 10 | 34081205070000 | 40.5475620 | -80.8566000 | 28 |
| DENOON 5-10-3 3 | 34081205130000 | 40.4415108 | -80.7609848 | 29 |
| SMITHFIELD A 1H-27 | 34081205430000 | 40.2362792 | -80.8411730 | 30 |
| JAMES THARP 3H | 37007203050000 | 40.7262390 | -80.5102250 | 32 |
| ROLLING ACRES 8H | 37007203070000 | 40.7475280 | -80.4115000 | 33 |
| FERREBEE BEA 3H | 37007203110000 | 40.6534720 | -80.4451940 | 34 |
| POWELL BEA 6H | 37007203180000 | 40.7768610 | -80.4705830 | 35 |
| WALL BEA 3H | 37007203520000 | 40.8356390 | -80.3875000 | 36 |
| SIMMS NO. U-5H | 47051017310000 | 39.7459710 | -80.7702650 | 37 |
| LUDE # 1H-34 1H-34 | 34013206790000 | 40.0770380 | -80.9973170 | 38 |

| Well Name and Number | API | Lat | Long | Well Numbers |
|---------------------------------|----------------|------------|-------------|--------------|
| FAMILY 1-32H | 34013207090000 | 40.0567570 | -81.1036620 | 39 |
| PERKINS 1-4H | 34013207340000 | 39.9113173 | -81.0170403 | 40 |
| CLARK ETAL UNIT 1 | 34019202860000 | 40.6572825 | -81.1077008 | 41 |
| HICKORY CARROLL CO 4 | 34019204780000 | 40.6113490 | -81.3087914 | 42 |
| MCALLISTER JOHN O 1 | 34019205530000 | 40.6065593 | -80.9849794 | 43 |
| SWEANY-JAMES UNIT 1 | 34019206100000 | 40.5895701 | -81.3131064 | 44 |
| NEIDER UNIT 1 | 34019215830000 | 40.6030383 | -80.9969461 | 45 |
| BEADNELL UNIT 1 | 34019216520000 | 40.5717596 | -80.8795629 | 46 |
| WHITE 1 | 34019220590000 | 40.5331573 | -81.0264830 | 47 |
| DONALD SELL UNIT 1 | 34029206070000 | 40.7850788 | -80.8510498 | 48 |
| MURRAY FRANK 3 | 34029206480000 | 40.7861729 | -80.8699857 | 49 |
| WILLIAMS C E & M F 1 | 34029206680000 | 40.6593033 | -80.7324988 | 50 |
| HILL RICHARD 1 | 34029207190000 | 40.7352959 | -80.7977871 | 51 |
| SOLOMON AQUILA E 21750 | 34029214760000 | 40.6606261 | -80.8110942 | 52 |
| HEIRS BURTON AL 21971 | 34029215070000 | 40.6703910 | -80.8086462 | 53 |
| THOMPSON H & S 1 | 34029215470000 | 40.7104938 | -80.8325185 | 54 |
| ALLIANCE/SEI UNIT 1 | 34029216040000 | 40.7885146 | -80.8536301 | 55 |
| SUMMITCREST INC 12785 | 34029216270000 | 40.6465978 | -80.8967211 | 56 |
| SOWARDS UNIT 1-K | 34029216370000 | 40.7267276 | -80.7465809 | 57 |
| BIRNEY ROY 1 | 34067201030000 | 40.2619089 | -80.9661006 | 58 |
| SPIKER - SCIO POTTERY CO UNIT 2 | 34067201880000 | 40.3922738 | -81.0980544 | 59 |
| ENSLEY-LOGAN 1 | 34067202090000 | 40.4074850 | -81.0301957 | 60 |
| WALLACE MAX 1 | 34067202920000 | 40.2905588 | -81.1588551 | 61 |
| HEAVILIN EUGENE 1 | 34067202930000 | 40.2785078 | -81.1495987 | 62 |
| STALEY GUY & NORMA 1 | 34067203440000 | 40.2544394 | -81.1113884 | 63 |
| HOUSEHOLDER RAYMOND 1 | 34067205290000 | 40.1950689 | -81.2285977 | 64 |
| WEBB ANNA 2 | 34067205600000 | 40.4306119 | -81.1511861 | 65 |
| BOUSKA ANDREW JR 1 | 34067205830000 | 40.1985116 | -81.2355239 | 66 |
| BERRY B 1 | 34067205910000 | 40.3527693 | -81.1155491 | 67 |
| MALLARNEE MARION 1 | 34067206110000 | 40.2770933 | -81.1811686 | 68 |
| DAVIDSON BUELL M 1 | 34067206120000 | 40.2101133 | -81.2125675 | 69 |
| SPROULL CLYDE 2 | 34067206630000 | 40.2300886 | -81.1409065 | 70 |
| WALLACE KEITH 1 | 34067207150000 | 40.2800876 | -81.1210706 | 71 |
| MIZER THOMAS 1 | 34067207170000 | 40.2078550 | -81.1807767 | 72 |
| ZECHMAN THOMAS UNIT 1 | 34067207370000 | 40.1948912 | -81.1978362 | 73 |
| LAWLIS ELMER 1 | 34067207410000 | 40.2551535 | -81.0913081 | 74 |
| D C JONES 7 | 34067207770000 | 40.2619761 | -81.1677784 | 75 |
| ROSE ALFRED 1 | 34067208040000 | 40.2643281 | -81.1391705 | 76 |
| WAGERS WILLIAM 1 | 34075209900000 | 40.4690814 | -81.9009046 | 77 |

| Well Name and Number | API | Lat | Long | Well Numbers |
|--|----------------|------------|-------------|--------------|
| COLDEBELLA V & A 1 | 34081203530000 | 40.4049240 | -80.8565050 | 78 |
| JACKSON J&J ETAL 1 | 34081204610000 | 40.5339639 | -80.6759156 | 79 |
| PELEGREEN A JR 12420 | 34081204810000 | 40.3383650 | -80.8538180 | 80 |
| ALLENDER J & W 45308 | 34081204830000 | 40.5356866 | -80.9218305 | 81 |
| NORTH AMERICAN COAL 45294 | 34081204900000 | 40.3261196 | -80.7739182 | 82 |
| NAC 3P-20 | 34081205280000 | 40.3095840 | -80.7063310 | 83 |
| INTERSTATE INTERCHANGE 1 | 34099204320000 | 41.1019946 | -80.8807876 | 84 |
| MONROE NORTH UNIT 2S | 34111243650000 | 39.8227460 | -80.8503840 | 85 |
| SHERMAN WM C 1 | 34155200390000 | 41.2048016 | -80.9274195 | 86 |
| DAVID THOMPSON 3H | 37007203030000 | 40.7520280 | -80.4957780 | 87 |
| STARVAGGI 1 | 37125222780000 | 40.3880750 | -80.4459750 | 88 |
| MINESINGER, S. 1 | 47029000800000 | 40.5398460 | -80.5559060 | 89 |
| GLOBE REFRACTORIES 1 | 47029000860000 | 40.6152730 | -80.6243070 | 90 |
| HILLCREST 1 | 47029000870000 | 40.5509900 | -80.5326620 | 91 |
| JOHN BURLEY 1 M-1738 | 47051005390000 | 39.7616690 | -80.5299910 | 92 |
| Knox Mineralogy | | | | |
| BELDEN BRICK UNIT (OHIO GEOLOGICAL SURVEY CO2) 9 (1) | 34157253340000 | 40.3537051 | -81.4899615 | 9 |
| KGS Hanson Aggregates 1 | 16043001050000 | 38.469552 | -83.132597 | 94 |
| Knox Petrophysical Wells | | | | |
| BELDEN BRICK UNIT (OHIO GEOLOGICAL SURVEY CO2) 9 (1) | 34157253340000 | 40.3537047 | -81.4899616 | 9 |
| CHARLENE SCHANEY ETAL 1 | 34067203550000 | 40.3301239 | -80.9547212 | 20 |
| ZECHMAN THOMAS UNIT 1 | 34067207370000 | 40.1948909 | -81.1978361 | 73 |
| JONES HAROLD 9 | 34031260690000 | 40.2876171 | -81.6709819 | 95 |
| ROBINSON CARL 1 | 34031258490000 | 40.3333968 | -81.6440493 | 96 |
| GROFF DW& RK 2 | 34031227570000 | 40.2383895 | -81.7159713 | 97 |
| KIMBLE FLOYD & DORIS 3 | 34157234490000 | 40.4977928 | -81.5207547 | 98 |
| HOFFMAN/BRAHMER 1 | 34031261110000 | 40.2786164 | -81.6789061 | 99 |
| MIZER STANLEY 6 | 34031258890000 | 40.3671339 | -81.6406375 | 100 |
| NOBLE FRANK 2 | 34031233770000 | 40.2761848 | -81.8019352 | 101 |
| SPONSELLER EMMA 4-A | 34151219990000 | 40.7429211 | -81.3299986 | 102 |
| COLUMBUS SOUTHERN 37 | 34031262140000 | 40.1599770 | -81.7462271 | 103 |
| EVERETT UNIT 4-K | 34157253020000 | 40.3753438 | -81.4039963 | 104 |
| RENTSCH UNIT 1 | 34157254600000 | 40.3549002 | -81.4134097 | 105 |
| BAHLER EARL C 1 | 34157234470000 | 40.4725322 | -81.5761234 | 106 |
| RAND 1 | 34031239340000 | 40.3162643 | -81.6583257 | 107 |
| BRYAN UNIT 1 | 34019218500000 | 40.6713018 | -80.9405936 | 108 |
| ELDER ROBERT 3 | 34031260950000 | 40.1852234 | -81.6702820 | 109 |
| ARMSTRONG FRANCIS 1 | 34157244730000 | 40.3262967 | -81.5819115 | 110 |

| Well Name and Number | API | Lat | Long | Well Numbers |
|--|----------------|------------|-------------|--------------|
| KOBEL LARRY UNIT 3 | 34031261280000 | 40.2752166 | -81.6987309 | 111 |
| CLEARWATER 111 (SWIW #15) 1 | 34059239860000 | 40.0272906 | -81.5109665 | 112 |
| OVERHOLT 1 | 34031262680000 | 40.2398007 | -81.7586150 | 113 |
| LOIS ARMSTRONG UNIT 2 | 34157244970000 | 40.2397674 | -81.5542649 | 114 |
| HACKENBRACHT JOHN W 1 | 34031260060000 | 40.2453070 | -81.6473255 | 115 |
| BARDALL 3-2417 | 34157250220000 | 40.2319675 | -81.3593548 | 116 |
| SIMMS UNIT 3 | 34157249820000 | 40.2192756 | -81.3551959 | 117 |
| COLUMBUS SOUTHERN POWER 7001 | 34031261920000 | 40.2035987 | -81.7763079 | 118 |
| MAC UNIT 1 | 34157245580000 | 40.6228487 | -81.4607302 | 119 |
| WIGGINS UNIT 3 | 34031262590000 | 40.2561785 | -81.7529698 | 120 |
| HACKENBRACHT UNIT 3 | 34031262650000 | 40.2704270 | -81.7347143 | 121 |
| COLUMBUS SOUTHERN POWER CO 7002 | 34031261930000 | 40.2043656 | -81.7891884 | 122 |
| BANTUM MICHAEL 1 | 34031261820000 | 40.3073119 | -81.7315128 | 123 |
| Additional Petrophysical Analysis used for static model | | | | |
| HICKORY CLAY 12 | 34019219200000 | 40.6153861 | -81.3044826 | 14 |
| CLARK ETAL UNIT 1 | 34019202860000 | 40.6572825 | -81.1077008 | 41 |
| HOFFMAN UNIT 1 | 34029206650000 | 40.82313 | -81.03683 | 124 |
| MULINIX ETAL 1 | 34029214750000 | 40.8844972 | -81.0254609 | 125 |
| CURFMAN 4 | 34029215920000 | 40.7779277 | -80.9897297 | 126 |
| NORTHSTAR KHALIL (SWIW #11) 3 | 34099231570000 | 41.0898914 | -80.6124047 | 127 |
| Core Used for Knox Petrophysical Model | | | | |
| HANSON AGGREGATES 1 | 16043001050000 | 38.4695519 | -83.1325969 | 94 |
| TREPANIER FJ & C 1 | 34079201020000 | 39.0086154 | -82.6383617 | 128 |
| LOWER EDGAR 1-A | 34031259620000 | 40.337416 | -81.6383476 | 129 |
| OAKLEIF WALDO 1 | 34031240920000 | 40.3589025 | -81.650253 | 130 |
| BARTH FRED L 1 | 34031226530000 | 40.3187876 | -81.7736981 | 131 |
| VICKERS C& R 1 | 34031222680000 | 40.1723287 | -81.9297003 | 132 |
| TEST WELL in Scioto (location is center of Green Twn) | No API | 38.619206 | -82.801766 | 133 |

Tri-State CCS, LLC licensed a total of ~250 linear miles of existing 2D seismic lines from Evans Geophysical that transect the project area (Figure 22**Error! Reference source not found.**). These data were used to interpret site-specific and regional geologic structure, to determine lateral continuity, and build the geologic inputs used for computational modeling. The seismic data included six lines that provided data to refine the structural interpretation of the project area. Additionally, seismic data were used to confirm the lateral continuity of the injection and confining zones.

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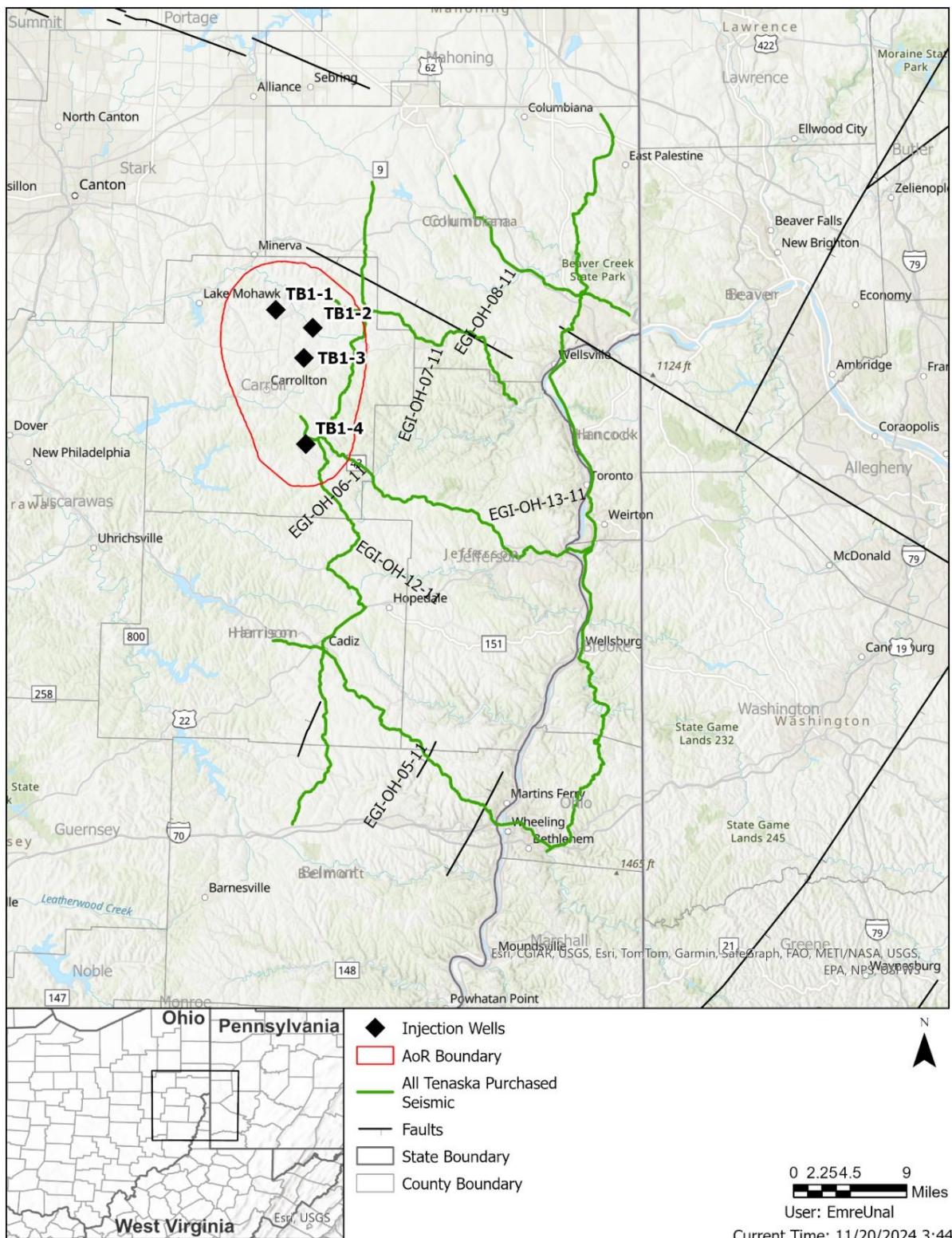


Figure 22: Location of the six 2D seismic lines used in the project's subsurface assessments. Note: 2D seismic data were licensed from Evans Geophysical.

A synthetic seismogram was created to tie the seismic data to the well data. During the synthetic seismogram creation, the 2D seismic lines were tied to sonic measurements taken in the Birney Roy 1 well (Table 2) to correlate the structural interpretation of the project area to the porosity and permeability model developed using the well log data.

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Geologic formations were then mapped on the 2D seismic data (Figure 22), and structure and isopach maps were created using both the well log tops and 2D seismic data. Together, these data sets were used to build a 3D static model in the Petrel geological modeling software suite representative of the geologic and petrophysical characteristics within the project area. The areal extent of the 3D static model is shown in Figure 36, Figure 38, Figure 39, Figure 42, Figure 44, and Figure 45 in subsection 2.4 of this Application Narrative.

2.2. Maps and Cross Sections of the AoR [40 CFR 146.82(a)(2), 146.82(a)(3)(i)]

The project consists of two primary injection complexes and one secondary injection complex: the Lockport Injection Complex (LIC - secondary), the Medina Injection Complex (MIC - primary), and the Knox Injection Complex (KIC - primary). The regional cross section in Figure 25 and the cross sections confined to the injection complexes and the model domain in Figure 26, Figure 27, and Figure 28 highlight the regional and local lateral continuity and thickness of the Lockport Dolomite Group (LIC injection zone), the Medina Group (MIC injection zone), and the Rose Run Sandstone (KIC injection zone). In addition, the Salina Group, the uppermost confining zone, the Rochester Shale Formation confining zone, and the Queenston Shale confining zone also exhibit regional and local lateral continuity and consistent thickness. The Wells Creek Formation is laterally continuous across the basin (Figure 25) and has been shown to be a proven seal for stratigraphic traps in central Ohio, as discussed in subsection 2.4 of this Application Narrative. Additionally, the overlying Black River Group, Trenton Limestone, Utica Shale, and Cincinnati Group further separate it from the shallower injection zones and the USDWs. Further discussion of the regional geology, primary seal thickness and lateral extent, injection zone thickness and lateral extent, and other site-specific geologic characteristics is in subsections 2.1 and 2.4, respectively, of this Application Narrative.

The Gamma Ray and the petrophysical character of the Medina Group in the static model domain is consistent in both the dip and the strike direction. The Rose Run Sandstone thickens to the south, though the overall petrophysical character remains similar. The lowest USDW, the Sharon Sandstone in the Pottsville Group, is approximately 5,000 ft above the top of the Rochester Shale and is shown in Figure 25. Further discussion of the petrophysics of the LIC, MIC, and KIC is in subsection 2.5 of this Application Narrative, and further discussion of the Sharon Sandstone continues in subsection 2.7 of this Application Narrative.

The Highlandtown Fault is the only known regional fault in the project area and near the AoR. Interpretation of 2D seismic across the fault shows that its tip line ends stratigraphically in the Knox Group, greater than 2,000 ft below the Queenston Formation, which is a lower confining zone for upper injection zones in the project (the red line of C-C' in Figure 24 and Figure 25). However, it does not pose a threat to containment for this project due to its location >5 miles north of the injection wells and outside the AoR. Information concerning the faults and fractures and their spatial relation to the injection wells is further discussed in subsection 2.3 of this Application Narrative.

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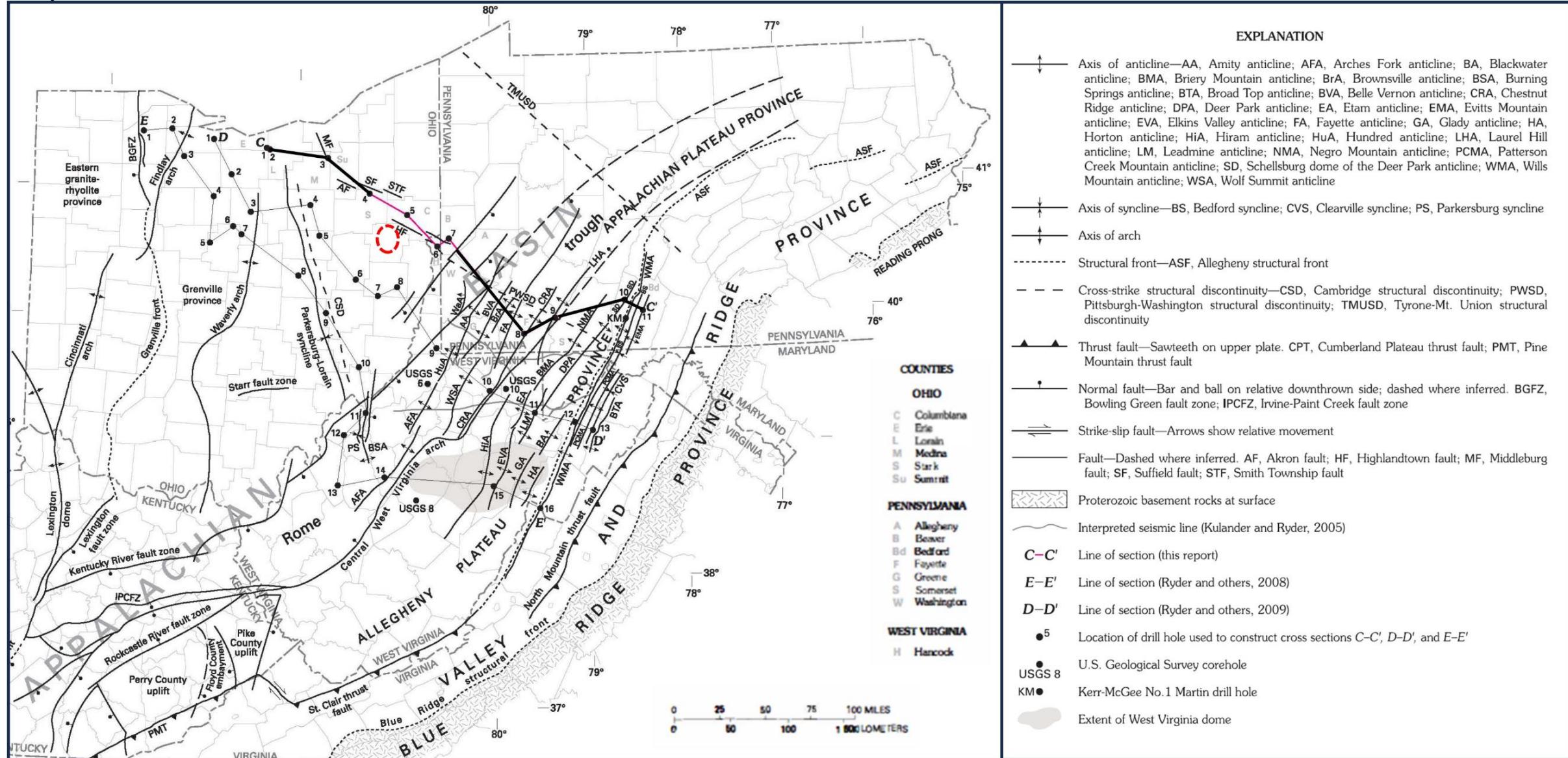


Figure 24: Base Map of the Appalachian Region and structural features with the cross section in Figure 25 shown in red. The approximate AoR is outlined in the dashed red circle. Modified from Ryder et al., 2012.

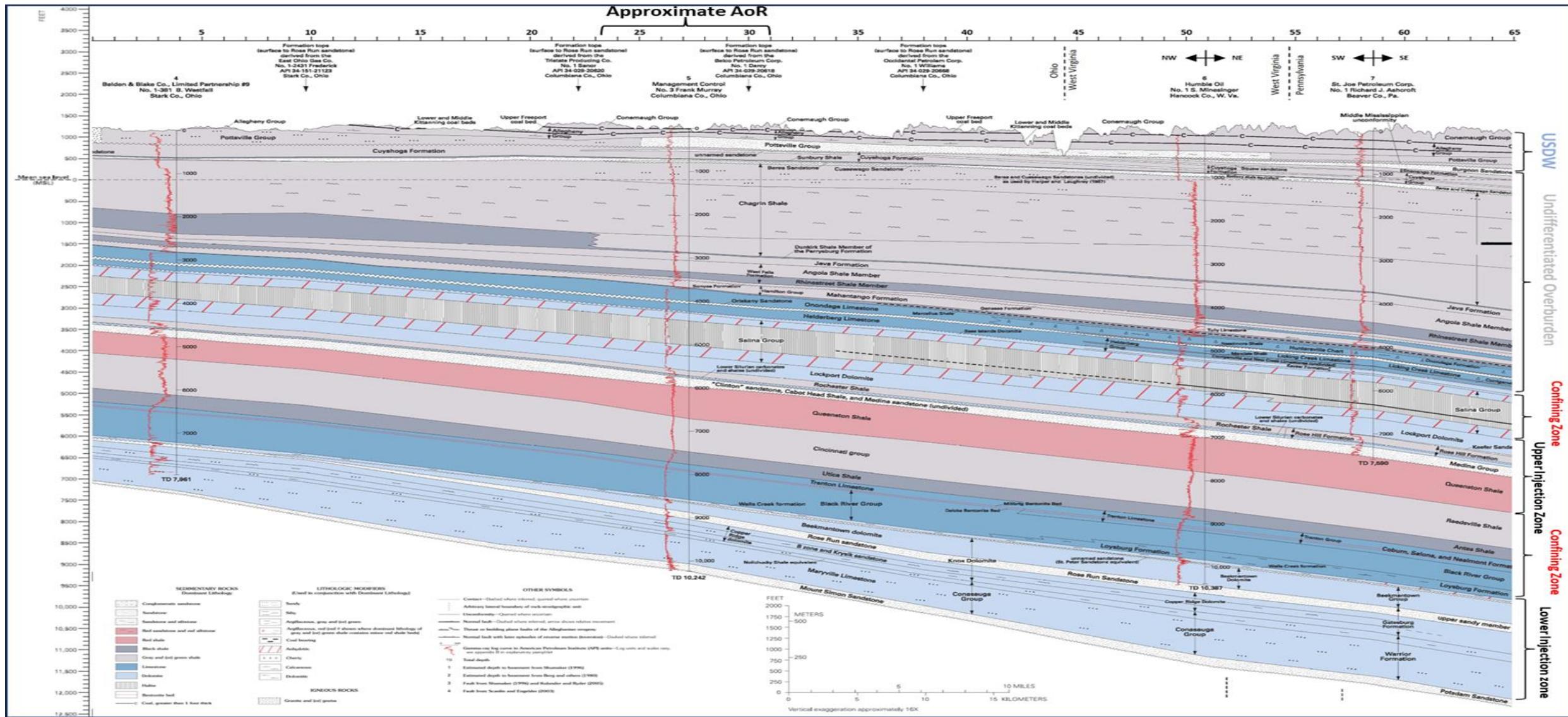


Figure 25: Regional cross section from ground level to the Cambrian Mt. Simon through the AoR (The red portion of C-C' in Figure 24 shows position of the cross section with respect to the AoR). Modified from Ryder et al., 2012.

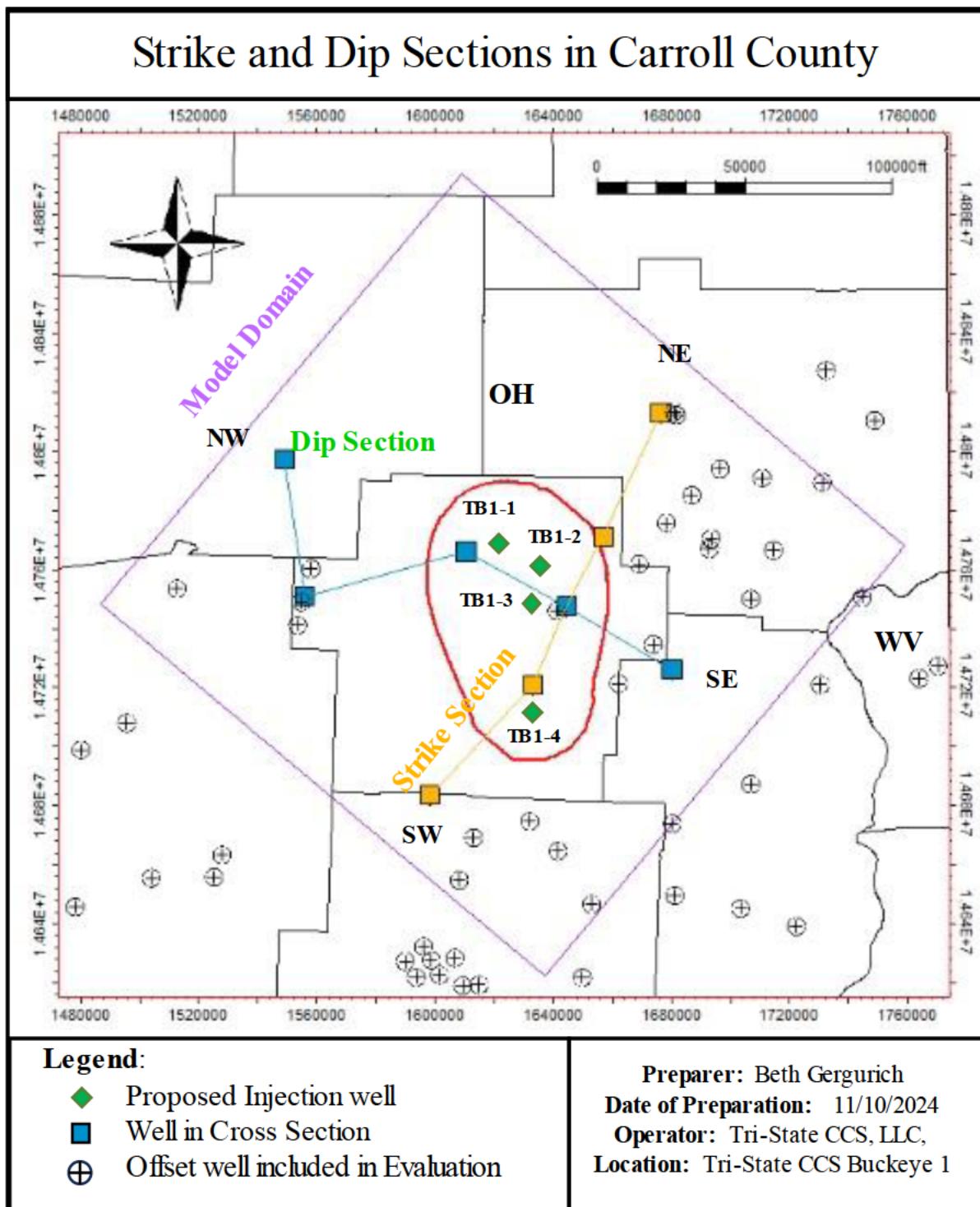


Figure 26: Base Map of the project model domain (purple), petrophysical wells included in the static model build (black circles), the NW-SE dip cross section (green teal; Figure 27), and the NE-SW strike cross section (orange; Figure 28) highlighted. The AoR is delineated by the red oval.

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2.3. Faults and Fractures [40 CFR 146.82(a)(3)(ii)]

Faulting local to the proposed injection well locations in Carroll County include the Highlandtown fault zone and several unnamed compressional faults that are observed by 2D reflection seismic data in the region. The geologic history of the Highlandtown fault zone is further discussed in subsection 2.1.11.2 of this Application Narrative. The north-south oriented 2D seismic line, OH-12-11, traverses Carroll County directly to the east of the proposed injection well sites (**Error! Reference source not found.**) and images several faults and related folds in the subsurface.

Two distinct types of faulting are observed in Carroll County, this includes Cambrian to Permian age normal faulting associated with the Highlandtown fault zone (E on Figure 29) and later Paleozoic age compressional faulting with related fault-propagation folds (A, B, C, and D on Figure 29).

The Highlandtown fault zone as imaged on seismic line A-A' (OH-12-11) is a south-dipping high-angle normal fault that is rooted in Precambrian age basement rocks (E on **Error! Reference source not found.**). The tip-line of the fault is not observed stratigraphically above the Knox Group and extends dipping steeply into basement rocks **Error! Reference source not found.**). A small amount of differential compaction or fault related accommodation is observed stratigraphically above the fault and may influence sediment deposition as young as Permian in age (E on Figure 29); similar observations are discussed in Root and Onasch (1999).

Several unnamed faults and fault-related folds are observed along seismic line A-A' (OH-12-11) in Carroll County and southward in Ohio (Figure 29). The observed structures are interpreted as compressional faults with fault-related anticlinal folding (A, B, C, and D on Figure 29). Anticlinal fault-related folds are well developed through the lower Paleozoic stratigraphy of the basin and ceased development by the end of deposition of the Medina Group (B, C, and D on Figure 29). The faults related to fold development of structures A, B, and C on Figure 29 are interpreted to extend to or just above the Trenton Grp with displacement across the top Knox Group horizon ranging from 0 to approximately 100 feet. The fault trace and observable displacement related to structure D on Figure 29 are interpreted to extend to depths of ~11,000 ft and are the shallowest faults observed in the area. Compressional faulting is attributed to east-west directed shortening during the Pennsylvanian-Permian age Alleghanian orogeny (see subsection 2.1.6 for further discussion).

Overall, Paleozoic age faults observed in the area range between 1,700 and 4,500 feet below the top of the Medina Group and the confining zone of the Rochester Shale Formation (Figure 29). Based on available seismic reflection data, fault-related folds are present as shallow as the Onondaga Limestone Formation (D on Figure 29); however, the Medina Group interval lies above any observable faulting. Further seismic data collection and interpretation, geomechanical evaluation, structural modeling, and fault seal risk analysis will be performed, as appropriate, for the CarbonSAFE project to evaluate containment risk in the Medina Group and Knox Group injection zones.

Wickstrom & Gray (1988) confirm that fractures and fracture networks are present within the Trenton Group, across Northwestern Ohio. Defining the geometry and character of fractured intervals within the AoR and a detailed understanding of their impact on fluid migration will

require the collection of geophysical, well, and core data associated with this permit application (see the discussion of data collection related to geomechanics in subsection 2.5.7 below). These data collection efforts and associated studies will further our understanding of fault stability and examine the possibility that fracture networks may provide preferential fluid flow conduits. Additional uncertainties in the identification of faults or geologic structures not identified on the available 2D seismic reflection data will be addressed in the collection of 3D seismic and well data under the CarbonSAFE Initiative.

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2.4. Injection and Confining Zone Details [40 CFR 146.82(a)(3)(iii)]

The stratigraphy in the project area is composed of ~12,000 ft of sediments on top of Precambrian basement, ranging in age from Cambrian up to Pennsylvanian (Virgilian) at the surface (Figure 30). Freshwater aquifers occupy porous units within the Pennsylvanian and Upper Mississippian, and historic oil production has been largely from Lower Mississippian sandstones. Recently, unconventional oil and gas production has been established in the Middle Devonian and Upper Ordovician.

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| System | Series | Stratigraphic Unit (Group or Major Formation) | Aquifer, Confining Zone, or Reservoir | Oil Gas | Depth/Interval Thickness (ft) | | | | | | | | |
|---------------|---------------|--|--|------------|-------------------------------|-----------------------|---------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | | | | | Prod. | Average Depth (ft) | Average Thickness (ft) | TB1-1 | | TB1-2 | | TB1-3 | |
| | | | | | | | | Depth (ft TVD) | Thickness (ft) | Depth (ft TVD) | Thickness (ft) | Depth (ft TVD) | Thickness (ft) |
| Pennsylvanian | Mississippian | Pennsylvanian (undivided) | Freshwater Aquifers | | | | | | | | | | |
| | | Pottsville Group (Base Sharon Mbr) | Lowest USDW | | 855 | | ~755 | | | ~720 | | ~900 | |
| Devonian | Mississippian | Greenbriar Ls Fm | Seal (Limestone) | | | | | | | | | | |
| | | Big Injun SS | Conventional Oil Reservoir | ●● | | | | | | | | | |
| | | Sunberry Sh | Seal (Shale) | | | | | | | | | | |
| | | Berea SS | Conventional Oil Reservoir | ●● | | | | | | | | | |
| | | Ohio Shale Grp | | | | | | | | | | | |
| | | Olentangy Shale Fm | Seal (Shale) | | | | | | | | | | |
| | | Mahantango Shale Fm | | | | | | | | | | | |
| | | Marcellus Shale Fm | Unconventional Oil Reservoir | ●● | | | | | | | | | |
| | | Onondaga Ls Fm | Seal (Limestone) | | 3,741 | 185 | 3,741 | 190 | 3,787 | 174 | 4,064 | 188 | 4,200 |
| | | Oriskany SS Fm | Conventional Oil/Gas Reservoir | ●● | 3,931 | 11 | 3,931 | 11 | 3,960 | 13 | 4,252 | 11 | 4,389 |
| Silurian | Mississippian | Helderberg Grp | Seal (Limestone) | | 3,942 | 206 | 3,942 | 234 | 3,973 | 225 | 4,263 | 199 | 4,398 |
| | | Bass Islands Dolomite Grp | Seal (Dolomite) | | 4,175 | 53 | 4,175 | 50 | 4,198 | 55 | 4,462 | 50 | 4,564 |
| | | Salina "D" – "G" | Upper Confining Zone (Evaporite/Salt) | | 4,225 | 848 | 4,225 | 794 | 4,253 | 824 | 4,512 | 853 | 4,622 |
| | | Salina "A" – "C" | | | | | | | | | | | |
| | | Lockport Dolomite Grp ① | Possible Injection Zone | | 5,024 | 290 | 5,024 | 300 | 5,076 | 290 | 5,364 | 279 | 5,541 |
| | | Rochester Shale Fm | Middle Confining Zone | | 5,324 | 241 | 5,324 | 233 | 5,366 | 249 | 5,643 | 249 | 5,834 |
| | | Dayton/Keefer Fm | | | | | | | | | | | |
| | | Medina (Tuscarora SS) Grp ② | Injection Zone | ●● | 5,557 | 171 | 5,557 | 165 | 5,615 | 160 | 5,892 | 169 | 6,069 |
| | | Informal – "Clinton" & "Medina" sands | | | 5,722 | ↑ | 5,722 | ↑ | | ↑ | | ↑ | ↑ |
| | | Queenston Shale (Juniata Fm) | Lower Confining Zone | | | | | | | | | | |
| Ordovician | Mississippian | Utica Shale Fm | Unconventional Oil Reservoir | ●● | | | | | | | | | |
| | | Trenton Grp | | | | | | | | | | | |
| | | Black River Ls Grp | Seal (Limestone) | | | | | | | | | | |
| | | Wells Creek Fm | Upper Confining Zone | | 8,222 | 97 | 8,222 | 83 | 8,357 | 98 | 8,611 | 99 | 8815 |
| | | Beckmantown Dolomite | | ●● | 8,305 | 256 | 8,305 | 199 | 8,455 | 238 | 8,711 | 253 | 8923 |
| | | Rose Run SS ③ | Injection Zone | ●● | 8,505 | 103 | 8,505 | 70 | 8,693 | 93 | 8,963 | 100 | 9258 |
| | | Copper Ridge Dolomite Fm | Lower Confining Zone | ●● | 8,575 | 361 | 8,575 | 384 | 8,786 | 364 | 9,063 | 359 | 9407 |
| Cambrian | Upper | Conasauga Group | Lowest Seal/Confining Unit | | 8,959 | | 8,961 | | 9,149 | | 9,422 | | 9740 |

Figure 30: Generalized stratigraphic column for the project. Possible Injection Complex: Lockport Injection Complex: 1; proposed Primary Complexes: Medina Injection Complex: 2; and Knox Injection Complex: 3. (*Depth is to the top of the Stratigraphic Unit (SU), except where noted.) Modified from Childs, 1985; Patchen et al., 1985b; Riley et al., 2010; Wickstrom et al., 2010; WVGES, 2019.

Subsurface analysis in the project area indicates several stacked, porous reservoirs with suitable confining seals for sequestration. These intervals exist beneath the 2,800 ft TVD threshold for storage of supercritical CO₂ (sCO₂) and are, likewise, greater than 1,000 vertical feet from known producing oil reservoirs. Three potential injection complexes, each composed of an upper confining zone, a lower confining zone, and an injection zone, have been identified (Figure 30). All three will be evaluated after data collection and evaluation from the CarbonSAFE stratigraphic wells in the region. The upper injection complex is the Lockport Injection Complex (LIC – 1 on Figure 30); it is a potential secondary target and was not modeled for this permit application. Additionally, there are two primary injection complexes proposed in this application: the Medina Injection Complex (MIC – 2 on Figure 30), the middle injection complex, and the Knox Injection Complex (KIC – 3 on Figure 30), the lower injection complex. Throughout this permit application, when referring to the entire injection complex, the nomenclature outlined above will be used, and when describing or indicating specific intervals, the Group, Formation, or appropriate formal interval (i.e., “Shale” or “Sandstone”) name will be used.

2.4.1. Upper Injection Complex: Lockport Injection Complex (LIC)

The LIC is composed of, from top to base: the Salina Group, which forms the primary confining zone, the Lockport Dolomite Group, which is the objective injection zone, and the Rochester Shale Formation, which forms the basal confining zone. All three stratigraphic units are Upper Silurian in age (Figure 30). This injection complex was included as a secondary injection complex due to the initial evaluation of the reservoir by the offset data. Should new data collection change the evaluation of this interval to be considered suitable for injection, its status will change.

2.4.1.1. *LIC Primary Confining Zone: Salina Group*

The Salina Group is a series of regionally extensive interbedded shales, dolomites, and evaporites (Figure 31). These deposits extend across the Appalachian and Michigan basins and provide the seal for Niagaran oil and gas reef trends in the Michigan Basin (Carter et al., 2010; Coyle, 2022). Original subdivision of the units “A-G” was identified by Landes (1945) in the Michigan Basin and correlated to the Appalachian Basin by Ulteig (1964) and Rickard (1969). They were deposited in a restricted marine (A-G) to sabkha/peritidal and supratidal environment (D-G) as a result of the paleogeographic location in tropical latitudes, an arid long-term paleoclimate, and isolation/rain shadow from orogenic uplift (Clifford, 1973; Ettensohn, 2008).

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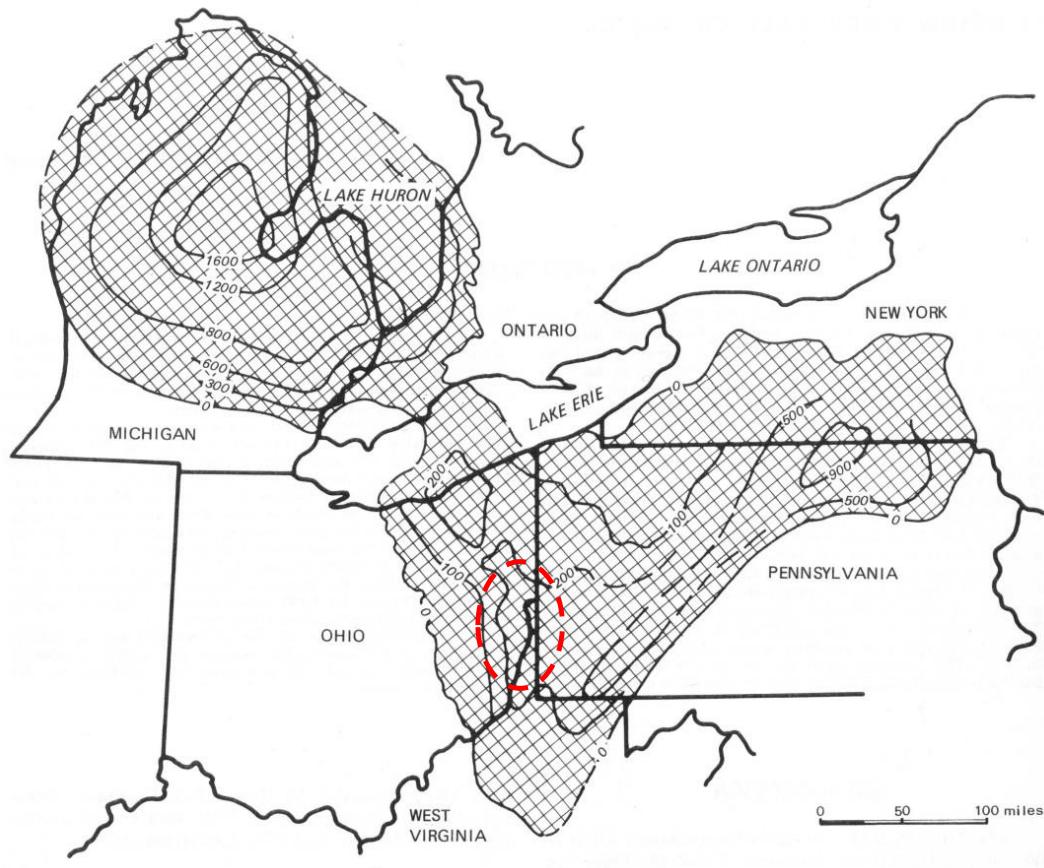


Figure 31: Regional extent and thickness of the Salina Group salt beds modified from Clifford (1973). The red dashed circle is the approximate location of the Tri-State CCS Hub (map contour interval varies).

The Salina Group, named for the halite in this section, is divided into two intervals. The lower interval, called the “A-C” units in Ohio, is known as the Vernon in New York and the upper Wills Creek in West Virginia (Rickard, 1969; Janssen, 1977; Coyle, 2022). In the project area, this interval is composed predominantly of dolomite and shale beds, though some salt beds are present outside the area. The overlying “D-G” units are a thick section dominated by salt, evaporites, and Figure 32 shows a cross-section from the Humble #1 Minesinger Well in Hancock County to the E. & W. #1 Peck well in Erie County, Ohio, and Figure 33 shows a SW-NE cross section from Tuscarawas Co., Ohio to Ashtabula Co., Ohio. These cross-sections demonstrate that the “D” and “E” intervals have laterally continuous salt beds, and the “F” interval has numerous, thick, and laterally continuous salt beds in the project area. The total salt can reach thicknesses of 200+ ft in the project area and in the AoR (Figure 34; Clifford, 1973; Carter et al., 2017).

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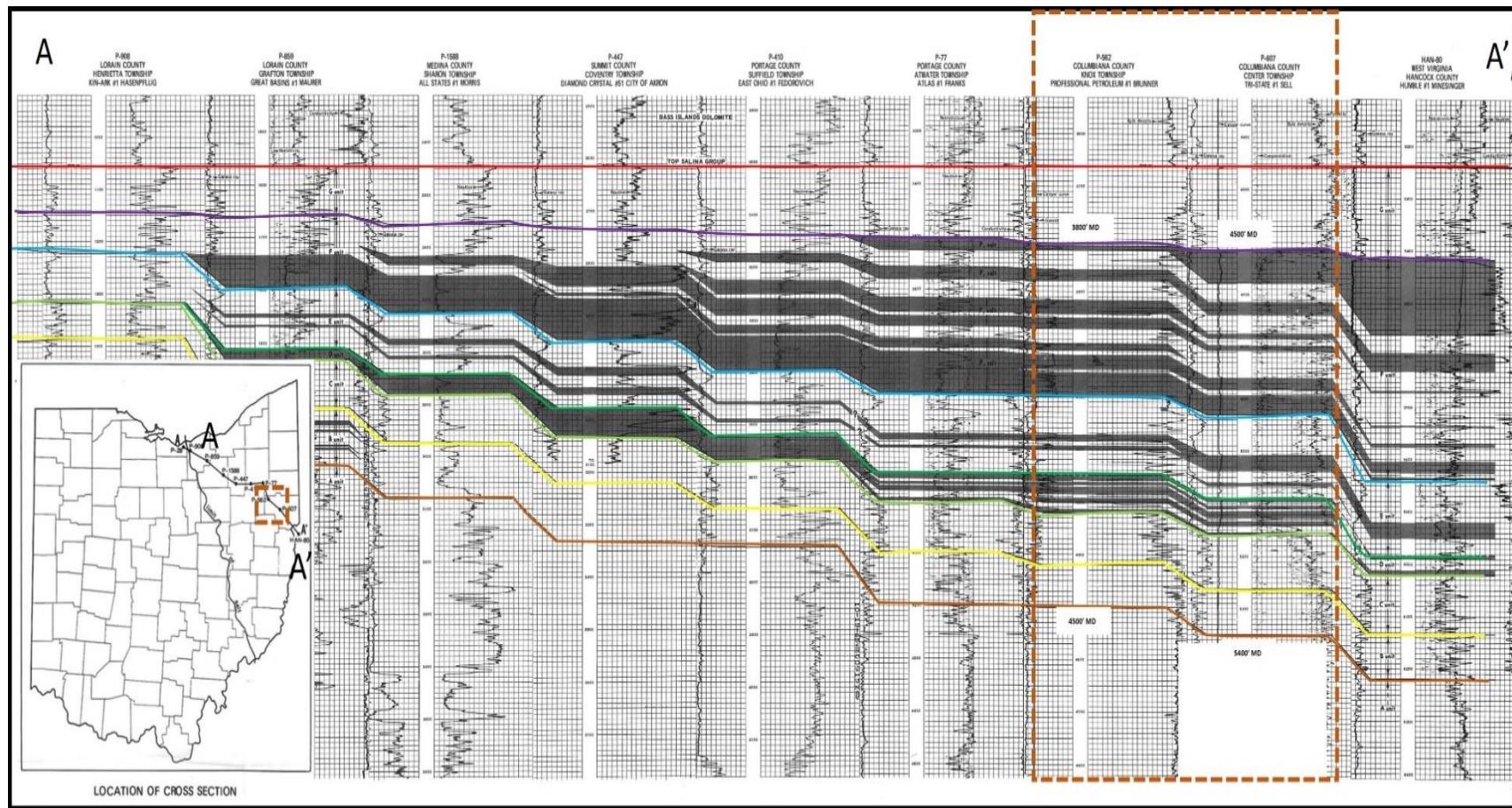


Figure 32: SE-NW stratigraphic cross-section from Erie, County OH, to Hancock County, WV referenced to the top of the Salina Group. The dashed orange box is the area northeast of the proposed well sites. Depths called out at the adjacent wells for the Top Salina and Top "A" interval. Modified from Clifford, 1973. From Top to Base: The Top "G" unit (red), the Top "F" unit (Purple), the Top "E" unit (blue), the Top "D" unit (dark green), the Top "C" unit (light green), the Top "B" unit (yellow), the Top "A" unit (orange). Well APIs from left to right: 34093209080000, 34093208590000, 34103215880000, 34153204470000, 34133204100000, 34133200770000, 34029205620000, 34020206070000, 47029000800000.

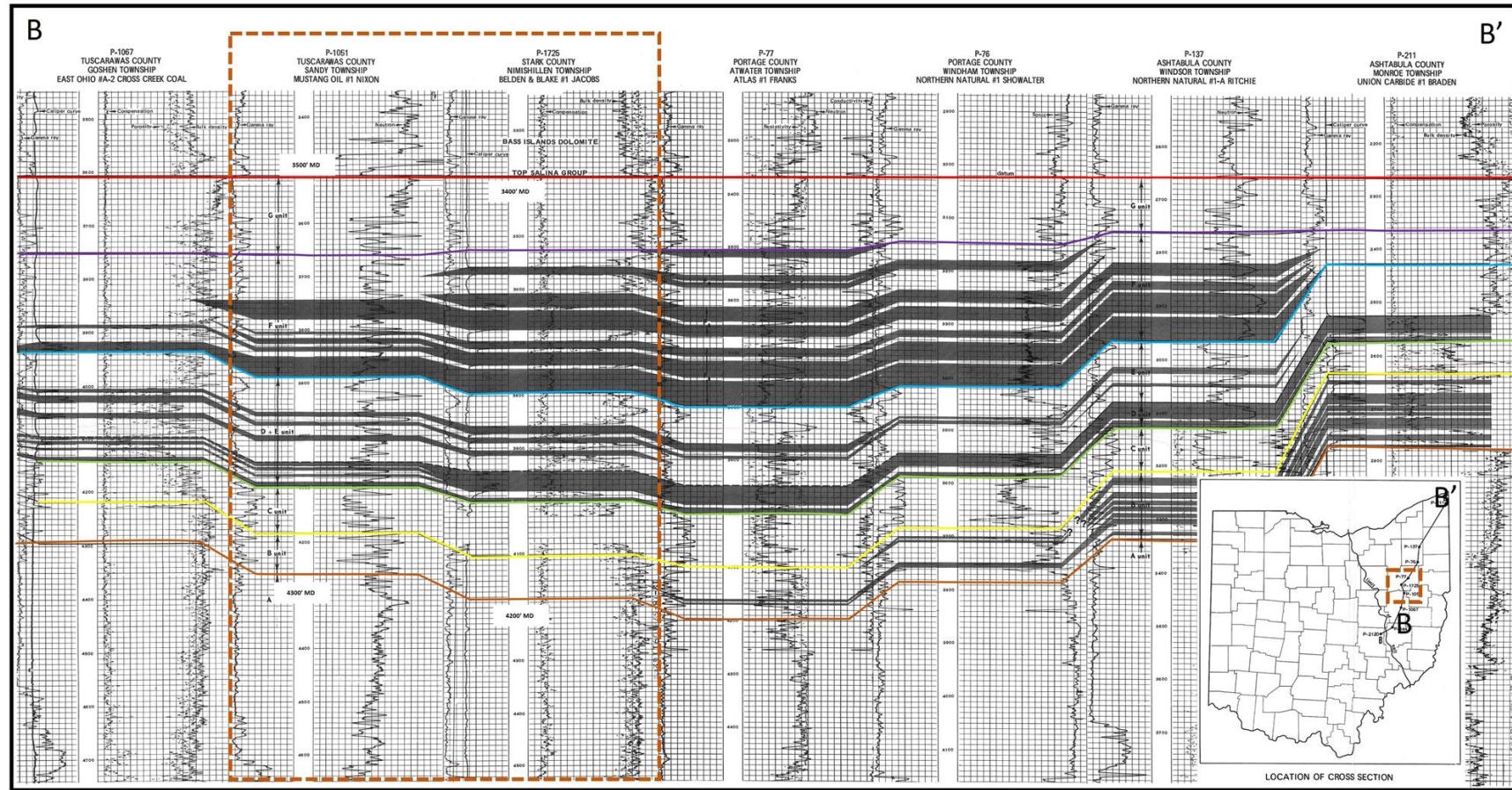


Figure 33: SW-NE stratigraphic cross-section from Tuscarawas County, OH, to Ashtabula County, OH referenced to the top of the Salina Group. The dashed orange box is the area west-northwest of the proposed well sites. Depths called out at the adjacent wells for the Top Salina Group and Top "A" interval. Modified from Clifford, 1973. From Top to Base: The Top "G" unit (red), the Top "F" unit (Purple), the Top "E+D" unit (blue), the Top "C" unit (light green), the Top "B" unit (yellow), the Top "A" unit (orange). Well APIs from left to right: 34157210670000, 34157210510000, 34151217250000, 34133200770000, 34133200760000, 34007201370000, 34007202110000.

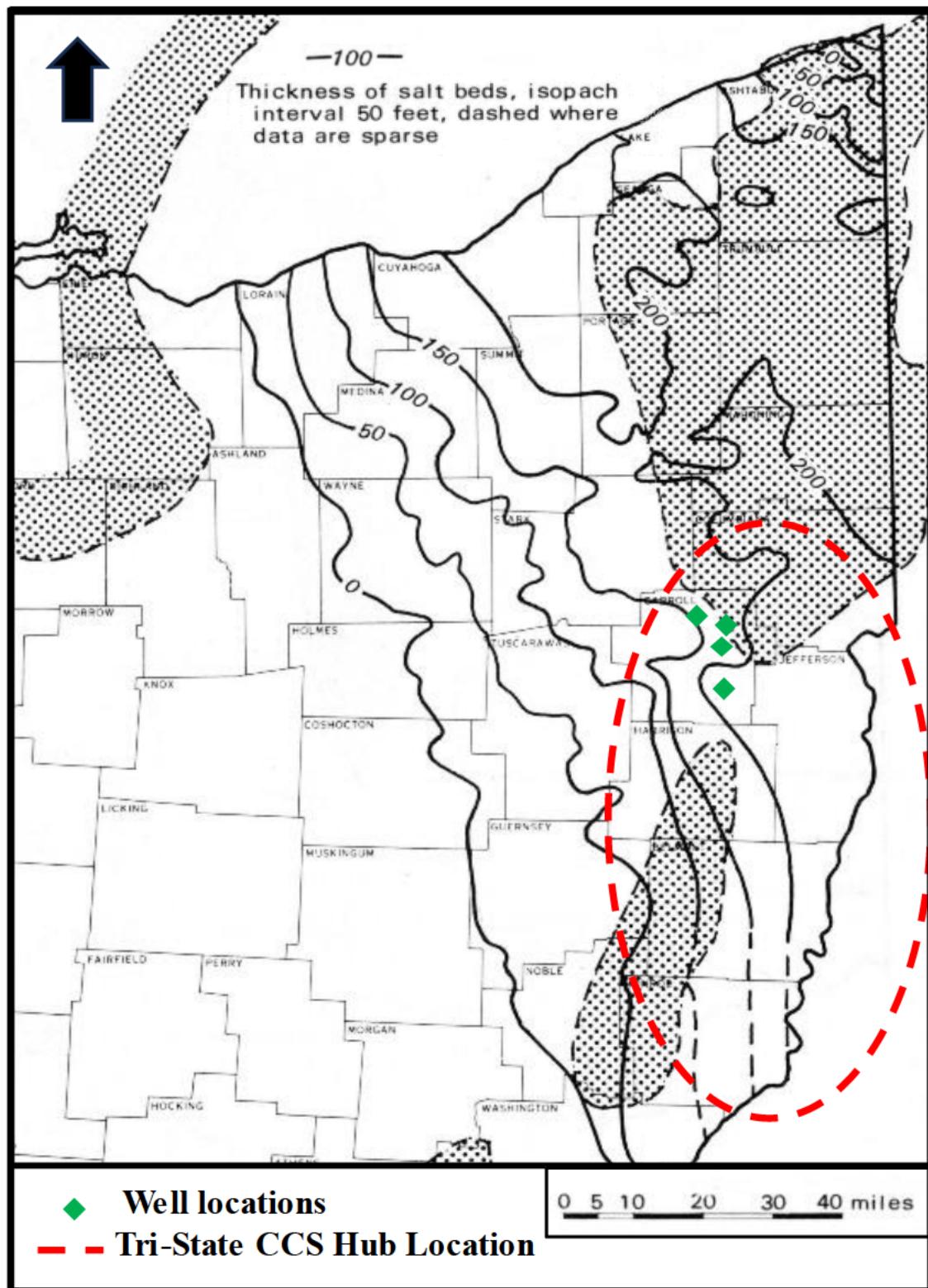


Figure 34: Total Salina Group salt thickness map in the Tri-State CCS Hub region (red dashed oval) and well locations (green diamonds). Modified from Clifford, 1973.

There are multiple lines of evidence that support that the Salina Formation serves as an effective long-term seal for CO₂ injection. First, historical data from the oil and gas industry show that evaporites, such as those found in the Salina, have consistently acted as competent long-term seals; 14 of the world's 25 largest oil fields and 9 of the world's 25 largest gas fields are sealed by evaporites, despite evaporites constituting less than 2% of the world's sedimentary rocks (Warren, 2017). Additionally, a widely accepted guideline in the oil and gas industry suggests that a halite bed can function as a seal if it is at least 20 m (65.6 ft) thick. This is corroborated by the low permeabilities observed in evaporites, with halite typically exhibiting permeabilities on the order of 10⁻⁷ md and anhydrite around 10⁻⁵ md (Beauheim and Roberts, 2002).

Furthermore, studies have identified beds in the F salt of the Salina Group as possessing both the requisite halite purity and thickness (over 100 ft) necessary for solution mining and long-term storage of natural gas liquids in the relevant area (Carter et al., 2017). Lastly, the distinct geochemical fingerprint observed between regional petroleum systems younger than the Salinan evaporites and those predating them further bolster the argument for the Salina's efficacy as a long-term seal (Cole et al., 1987; Drozd and Cole, 1994; Swezey, 2002; Ettensohn, 2008).

Available core analyses from the MRCSP-FENGENCO 1 well (API# 3401320586; Figure 20; Table 2; subsection 2.5.1) in Belmont County, Ohio are primarily from dolomite intervals in units A, B, F, and G of the Salina Group (Figure 35). There are no core measurements from the actual salt layers. Permeabilities from these cores range from <0.01 to 2.45 md (average 0.3 md), and measured porosities range from <1.0% to 13% (average 6.6%). These units are stratigraphically older than the laterally continuous F salt of the Salina Group (Figure 32 and Figure 33) and do not put containment at risk. Further discussion of the petrophysics continues in subsection 2.5 of this Application Narrative.

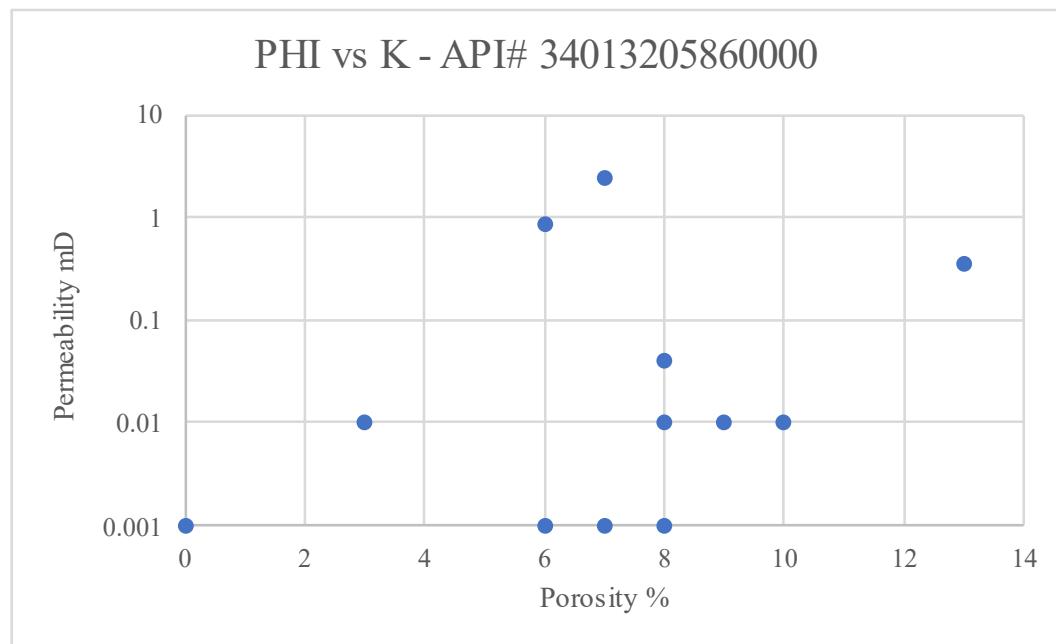


Figure 35: Core measured Porosity vs. Permeability from the Salina Group in MRCSP FENGENCO 1 well (API # 34013205860000; well location is shown in Table 2).

In the project area, the Salina Group ranges in depth from -2,100 ft (SSTVD) in the northwest and dips to the southeast to a depth of -4,100 ft SSTVD (Figure 36). The Salina Group has an average thickness of 888 ft across the project area (Figure 36) with thickening east of the proposed injection sites, corroborating Clifford (1973). The total Salina interval is at a total measured depth of approximately 4,220 ft to 4,620 ft TVD and has a total thickness range of 800 to 920 ft at the proposed injection well sites.

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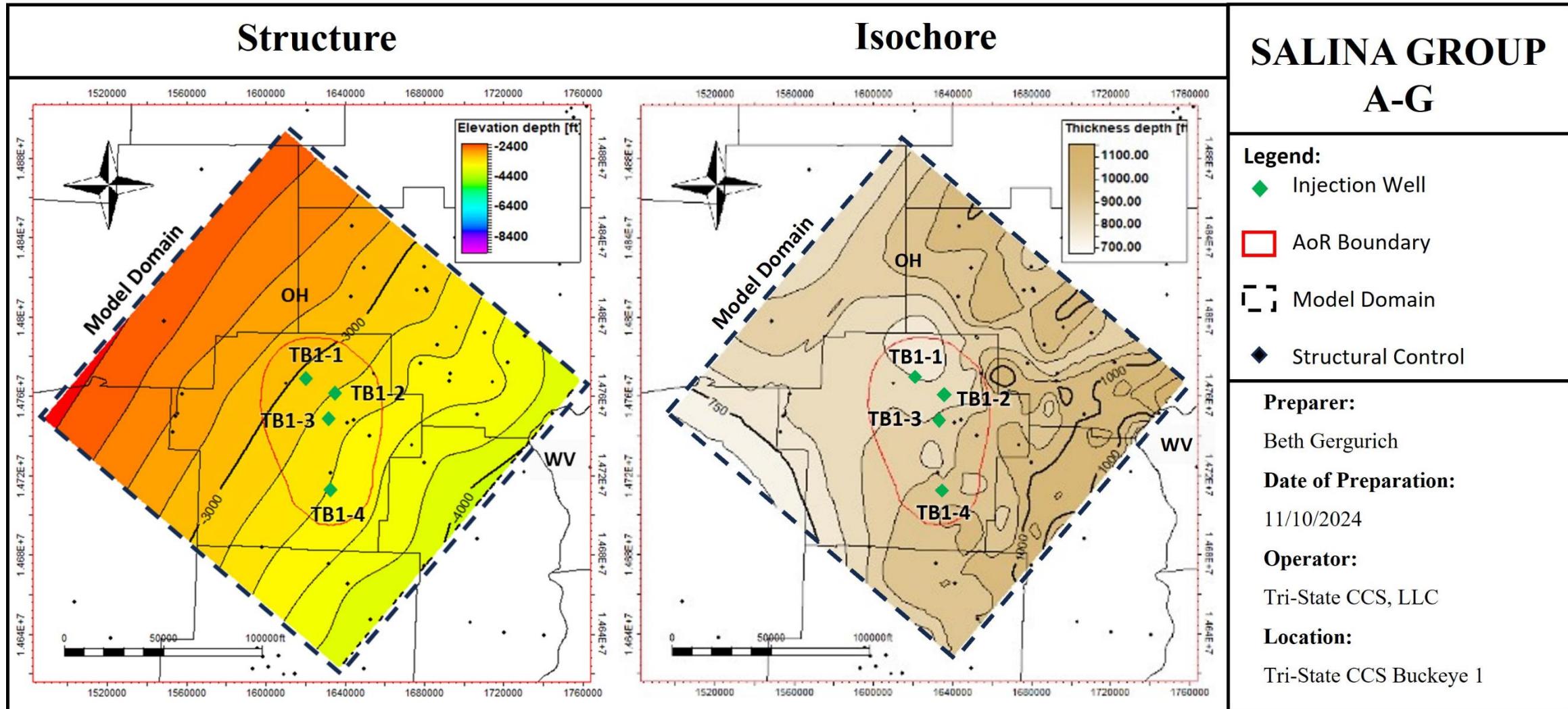


Figure 36: Top Structure (right) and isochore(left) of the Salina Group A-G interval (Structure C.I. = 200'; depths SSTVD; Isochore C.I. = 50') with the four potential injection sites shown in Carroll County, Ohio. The static model domain is shown as a black dashed line.

2.4.1.2. *LIC Primary Injection Zone: Lockport Dolomite Group*

The primary injection zone for the LIC is the Lockport Dolomite Group. The Lockport Dolomite Group, sometimes referred to as the McKenzie Formation (Horvath, 1970), is aerially extensive across the Appalachian Basin region and into Michigan (called the Niagara Group) and was deposited in similar paleogeographic, eustatic, and tectonic conditions to the Salina Evaporites (see subsection 2.4.1.1 above; Carter et al., 2010; Ettensohn, 2008).

Regionally, the Lockport Dolomite Group dips to the southeast and has an average thickness range of 150 ft to 300 ft. A study in Eastern Ohio measured the maximum thickness of the Lockport at ~400 ft adjacent to the project area (Gupta et al., 2020; Wickstrom et al., 2010; Janssens, 1970; Carter et al., 2010). At the proposed injection sites, the Lockport Dolomite Group has a thickness of approximately 290 ft and occurs at depths between -3,800 ft and -4,400 ft SSTVD (Figure 38).

This relatively thick section of carbonate is composed of a fine to coarsely crystalline, fossiliferous, slightly argillaceous dolostone, accumulated in a shallow epicontinental sea that stretched westward from New York to Ohio and south to Kentucky, extending along the Cincinnati-Findlay-Algonquin axis into the basins of Indiana, Illinois, and Michigan (Carter et al., 2010; Ettensohn, 2008). Carter et al. (2010) identified seven lithofacies types in core from the Lockport Dolomite Group, all indicative of shallow subtidal to nearshore deposition (Figure 37):

1. mixed intertidal to supratidal dolomite (with a mixed gray biostromal subfacies)
2. interreef or interbioherm dark dolomite
3. grainstone – shoals, banks, reef flanks, and inter-reef sediments
4. biohermal dolomite (reefs, bioherms, and patch reefs)
5. subtidal crinoidal dolomite
6. quartzose dolomite associated with barrier island
7. shallow subtidal shaly dolomite

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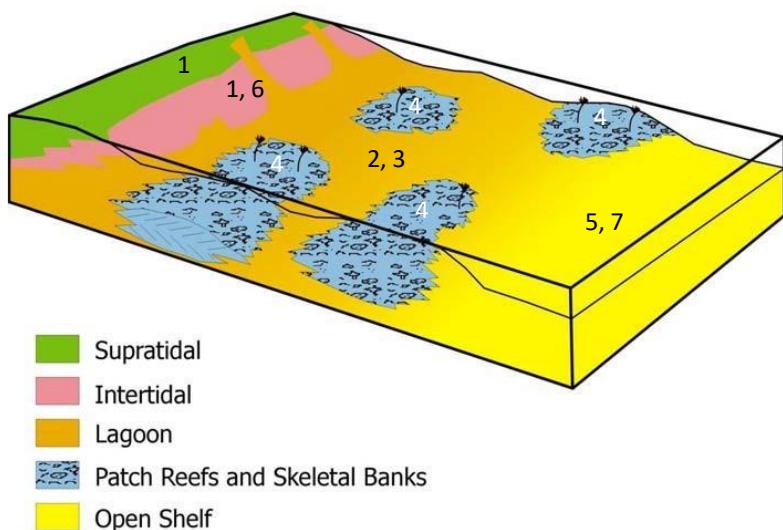


Figure 37: Cartoon depicting the regional facies patterns interpreted for the Lockport Dolomite in the Appalachian Basin. Numbers reflect the described facies in the text. Modified from Smosna et al., 1989.

Detailed core analysis was not available for the Lockport Dolomite Group near the proposed injection well sites. A study (Carter et al., 2010) of several cores in Mercer County, Pennsylvania and Carroll County, Ohio, as a part of the MRCSP Phase II Topical Report evaluating the CO₂ sequestration potential in the middle Devonian to the middle Silurian formations in the Appalachian Basin, was used to characterize the reservoir (locations shown in Figure 20 and Table 2; subsection 2.1.12).

Porosity types in the Lockport Dolomite Group include vuggy, moldic, inter/intraparticle, and intercrystalline porosity (Carter et al., 2010; Wickstrom et al., 2010). Early eogenic and syngenetic diagenesis facilitated the creation of vugs and moldic pore textures, though much of the secondary porosity has been lost through burial diagenesis. Core and log analysis measure an average of 9% porosity in vuggy dolomites and between 1 and 3.5% in dolomites characterized with intercrystalline porosities. Average permeabilities in Lockport dolomites with intercrystalline permeability are measured at <0.1 md, and vuggy permeability averages 3 to 10 md but can be as high as 55 md (Carter et al., 2010; Wickstrom et al., 2010). Fracture porosity and permeability are present in the Lockport Dolomite Group as well, enhancing reservoir petrophysics (Wickstrom et al., 2010). Cyclic stacking of reservoir facies in response to sea-level fluctuations yields opportunity for multiple disposal zones in the Lockport Dolomite Group (Figure 27, Figure 28, and Figure 54). Site-specific petrophysical analysis is discussed in subsection 2.5.2 of this Application Narrative.

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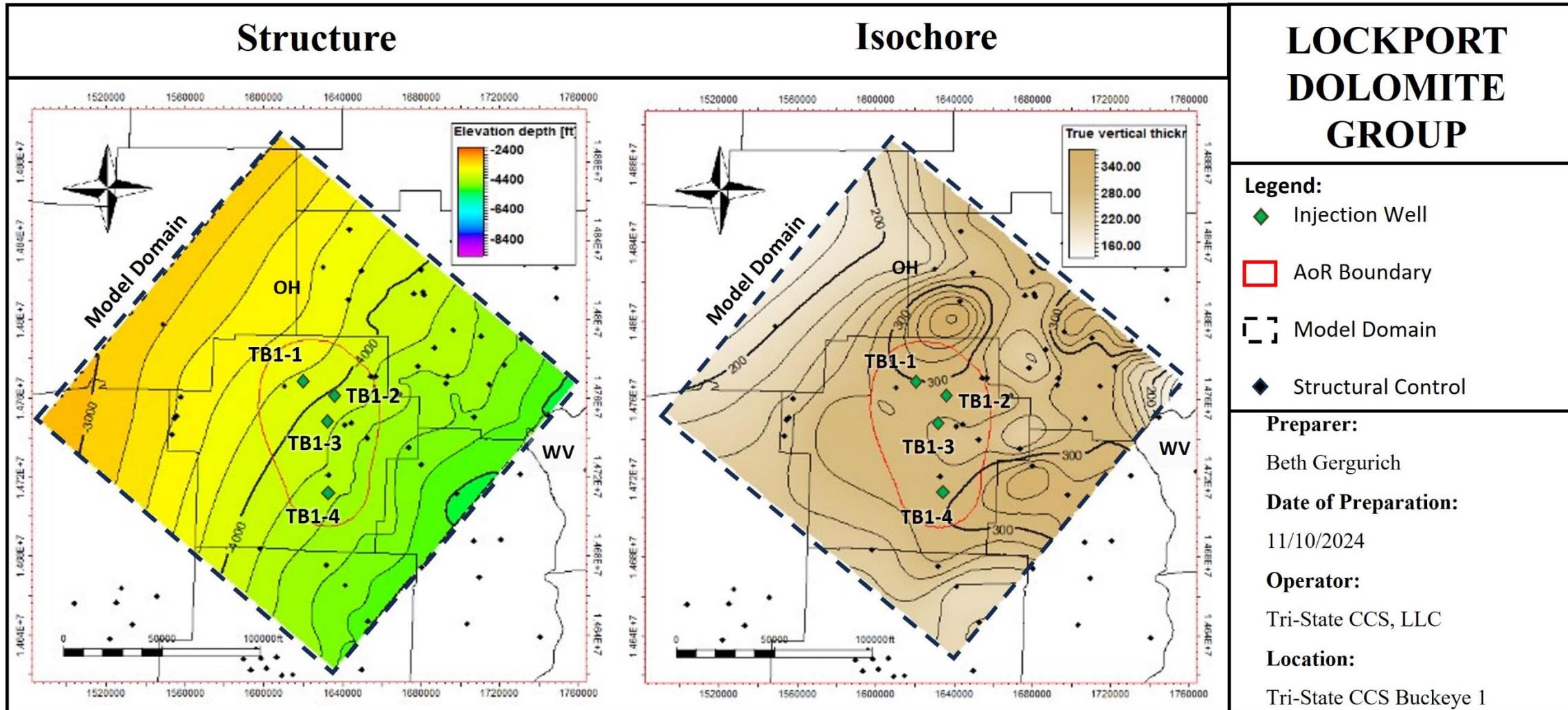


Figure 38: Top Structure (right) and isochore(left) of the Lockport Dolomite Group interval (Structure C.I. = 200'; depths SSTVD; Isochore C.I. = 20') with the four potential injection sites shown in Carroll County, Ohio. The static model domain is shown as a black dashed line.

Measurements from four sidewall core samples in the Lockport Dolomite Group identify the mineralogy to be predominantly dolomite with minor quartz and Illite (Table 3). Carter's 2010 study also documented pyrite and pyrobitumen, likely from diagenesis, in the sidewall core samples. The reactivity of the Lockport Dolomite Group mineralogy with the CO₂ stream is further addressed in subsection 2.8.2.1 of this Application Narrative.

Table 3: XRD results for sidewall core samples of the Lockport Dolomite Group from the Ocel #1 well, Carroll County, Ohio (Carter et al., 2010). Location is in Figure 20.

| Sample | Percent of Total Composition | | | | | | | | | | |
|--------|------------------------------|--------|--------|-------|--------|---------|----------|-----------|--------|----------|---------|
| | Depth MD (ft) | Quartz | K-Spar | Plag. | Pyrite | Dol/Ank | Chlorite | Kaolinite | Illite | Smectite | Calcite |
| 5,422 | 13 | 0 | 0 | 1 | 84 | Trace | 0 | 2 | 0 | 0 | Trace |
| 5,436 | 1 | 0 | 0 | 1 | 97 | Trace | 0 | 1 | 0 | 0 | Trace |
| 5,460 | 1 | 0 | 0 | 1 | 96 | Trace | 0 | 2 | 0 | 0 | Trace |
| 5,468 | Trace | 0 | 0 | 1 | 98 | Trace | 0 | 1 | 0 | 0 | Trace |
| Avg. | 4 | 0 | 0 | 1 | 94 | Trace | 0 | 1 | 0 | 0 | Trace |

2.4.1.3. LIC Primary (lower) Confining Zone: Rochester Shale Formation

The Rochester Shale Formation, known to drillers as the "Clinton Shale," lies below the Lockport Dolomite Group and serves as the basal confining zone to the LIC, as well as the upper confining zone for the MIC discussed in subsection 2.4.2 below.

In West Virginia, Woodward (1941) identified the Rochester as the upper section of the Clinton Group. He and Folk (1962) characterized the shale as gray to black in color, thin-bedded, fissile, or platy, and interspersed with occasional dense, fossil-rich blue-gray micritic-biosparite limestone, deposited in a lagoonal environment associated with the time-correlative Keefer sandstone barrier bar. In New York and Ontario, Brett (1983) described the Rochester as a gray, fossiliferous, shaly mudstone with abundant interbedded carbonates indicative of storm-wave action on the southwards facing slope. He correlated it west to eastern Ohio and Kentucky where it grades into an argillaceous dolostone referred to as the "Bisher" in the literature (Horvath, 1969; Janssens, 1977). Janssen (1977) notes that the shale in the Rochester thins and becomes virtually absent near the western boundary of Hancock County. Here, it is underlain by the Dayton Formation: a non-argillaceous slightly glauconitic dolomite, though the GR log from the Minesinger 1 well indicates a thick shale with thin dolomite beds.

Subsurface log correlations show the shale is an average of approximately 245 ft thick in Carroll County, Ohio (Figure 39), and across the model domain, the top of the Rochester Shale ranges in depth from -3,200 to -5,400 ft (SSTVD) (Figure 39).

Porosity in the formation is generally less than 3%, and permeability is similar to other shales at less than 1×10^{-6} md (Mudd et al., 2003). Given the lateral continuity and the impermeability of the shales, the Rochester Shale and its time-equivalents in the project area should serve as an effective base confining zone for the LIC and upper confining zone for the MIC.

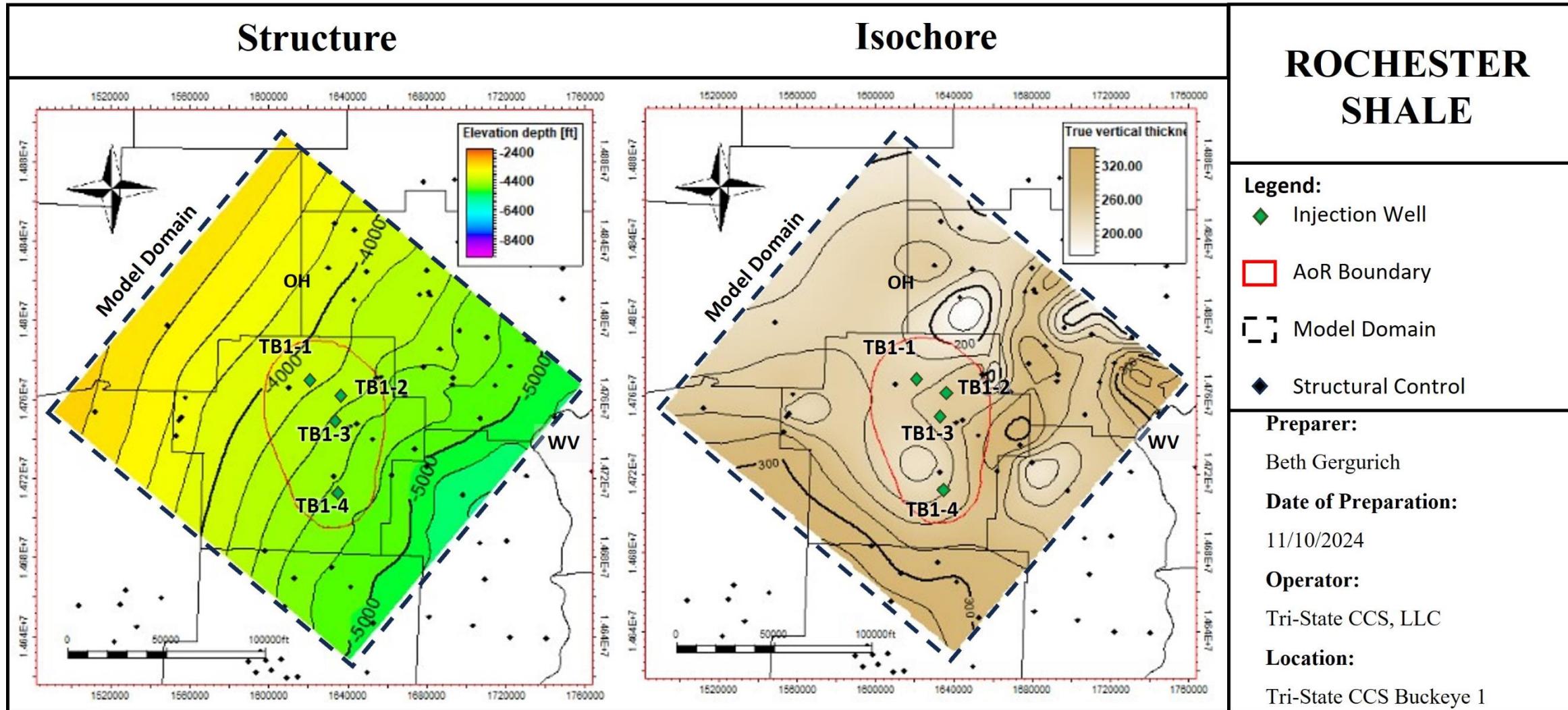


Figure 39: Top Structure (right) and isochore (left) of the Rochester Formation interval (Structure C.I. = 200'; depths SSTVD; Isochore C.I. = 20') with the four potential injection sites shown in Carroll County, Ohio. The static model domain is shown as a black dashed line.

2.4.2. Middle Injection Complex: Medina Injection Complex (MIC)

The MIC is composed of three units. The Upper Silurian Rochester Shale Formation forms the upper seal and confining zone (Figure 21). The Medina Group, which is a series of stacked sandstones in the Lower Silurian, is informally referred to as the “Clinton” sandstone and is the projected injection zone(s) (Wickstrom, 2010). At the base, the thick, Ordovician-aged Queenston Shale/Juniata Formation, comprises the lower confining member of the MIC.

2.4.2.1. MIC Primary (upper) Confining Zone: Rochester Shale

The upper confining zone for the MIC is the same basal confining unit for the LIC and is addressed in subsection 2.4.1.3 above.

2.4.2.2. MIC Primary Injection Zone: Sandstone in the Medina Group

The correlation of sandstones in the Lower Silurian of the Appalachian Basin historically has been problematic due to nomenclature inconsistencies in stratigraphic terminology from state to state. Multiple names for age-equivalent zones (Figure 40) in the literature have led to confusion and cross-correlation of stratigraphic units. Sandstones in this interval have been referred to as Tuscarora, Grimsby, Whirlpool, and informally the “Medina” and “Clinton” sandstones, the latter including drillers’ terminology.

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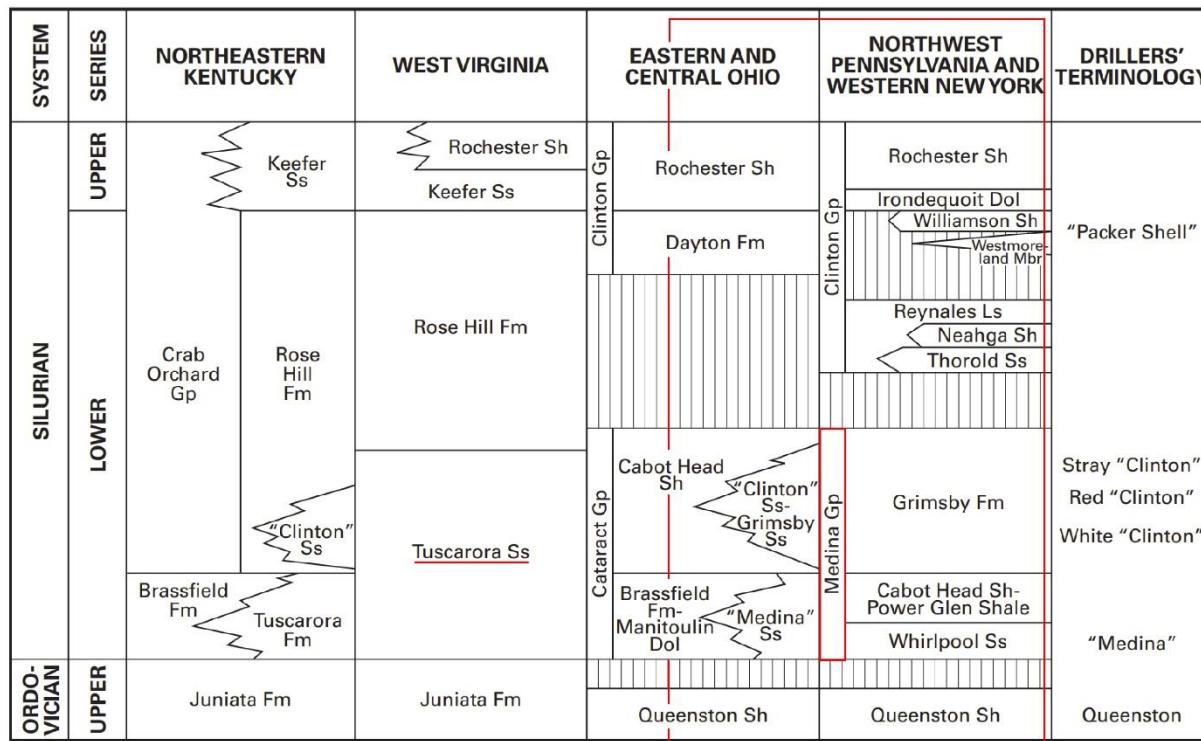


Figure 40: Stratigraphic correlation chart for the project area illustrating varying terminology for age equivalent sands. For this permit, the nomenclature for Eastern Ohio is recognized, and the interval is referred to as the Medina Group (Riley et al., 2010).

For the purpose of this permit application, the MIC injection interval will be referred to as the Medina Group of Eastern Ohio and northwest Pennsylvania. The Medina Group is composed of the Whirlpool Sandstone, the overlying Cabot Head Shale, and the interfingering Grimsby ("Clinton" and "Medina") reservoir sandstone(s), as is illustrated by the type log by Riley et al. (2010) from Eastern Ohio in Figure 41.

The Medina Group is an unconformity-bound wedge of Lower Silurian clastics deposited in the Appalachian foreland basin. These deposits represent a low frequency (3rd or 4th order) cycle of deposition in which transgressive and high-stand systems tracts are preserved (Castle, 1998). The lower approximate one-half of the Medina Group is composed of the Whirlpool (Medina) Sandstone and the Lower Cabot Head (Power Glen) Shale and is recognized as the transgressive systems tract (TST) for this cycle. The Whirlpool transgressive sandstone is composed of white to light gray, red, fine to very fine-grained quartzose sand that is moderately to well sorted (Wickstrom et al., 2010). This sandstone is gradational up into the Lower Cabot Head Shale and is recognized by the increase in gamma ray response on logs (Figure 41). The Lower Cabot Head Shale is dark green to black, marine shale, with thin quartzose, silt and sand laminations that increase in number and thickness towards the upper part of the unit (Wickstrom et al., 2010). The Lower Cabot Head Shale interval is interpreted to represent marine deposition on the shelf during continued eustatic sea-level rise. Sandstone beds do occur in this unit, particularly eastward towards the Taconic highlands, but are of more local extent and probably storm-deposited shelf bars formed below the normal wave base (Castle, 1998).

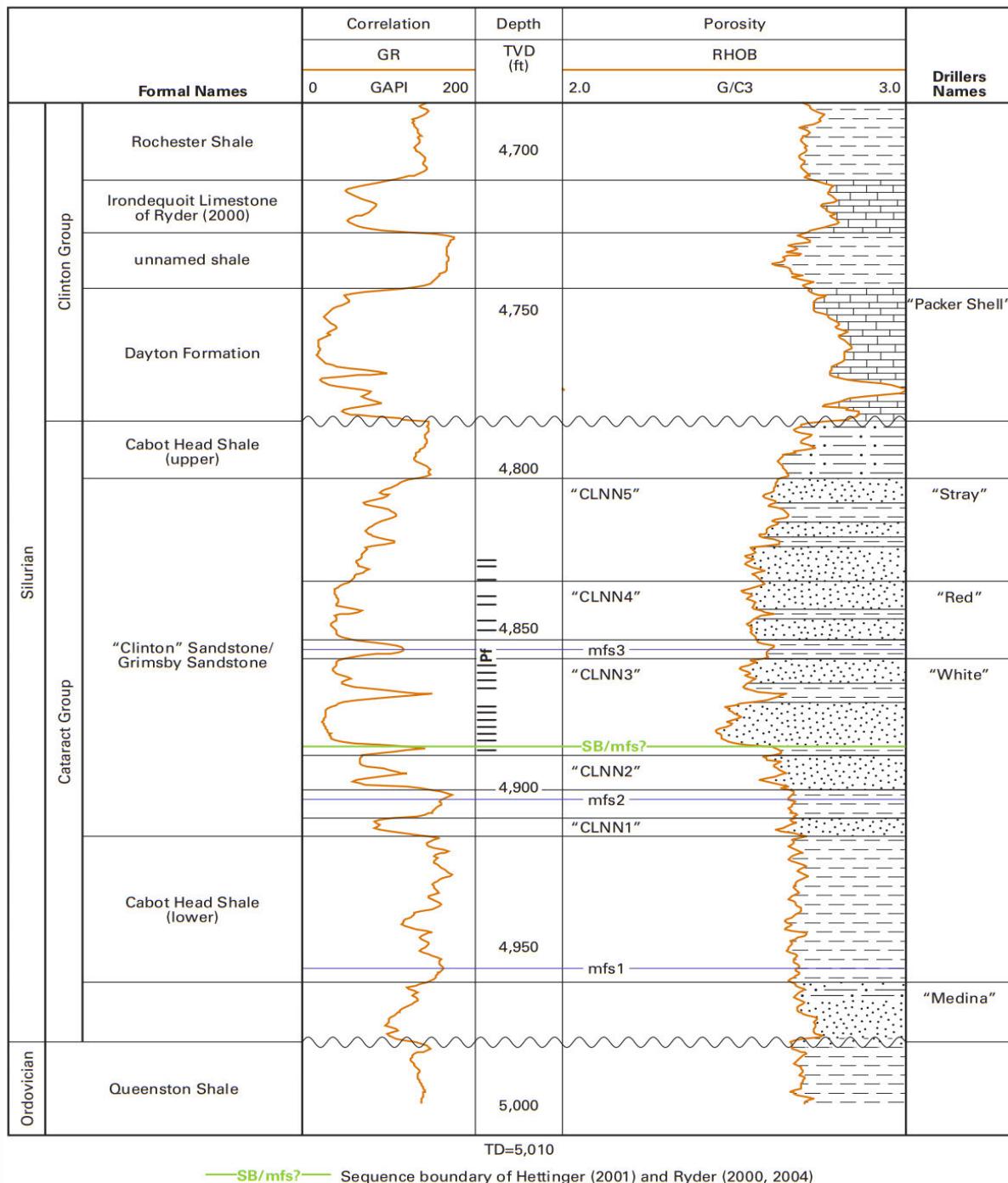


Figure 41: Type log from Riley et al., 2010, of the stratigraphy in the East Canton oil field in Stark County, Ohio (location shown in Table 2; Figure 21) which directly translates to the project area. The Cataract Group correlates to the Medina Group, as shown in above. Clinton sand intervals identified by the abbreviation "CLNN," wavy line indicates an unconformity surface, and maximum flooding surfaces identified by "mfs."

The upper one-half of the Medina Group is represented by the Grimsby (“Clinton”) Sandstone and overlying Upper Cabot Head Shale and is recognized as the high-stand systems tract (HST) for this cycle. The sandstones in the Grimsby Formation are composed of very fine to medium-grained, monocrystalline, quartzose rocks with silty shale interbeds (Wickstrom et al., 2005). The upward, rapidly gradational, change from the Lower Cabot Head Shale into the sandstone rich Grimsby Formation is due to uplift and erosion along the Taconic highlands to the southeast, which initiated a forced regression into the HST. These sandstones were deposited in marine, shoreface/shoreline, and deltaic environments in response to episodic northwest progradation and shallowing, associated with relative base-level drop across the project area (Castle, 1998; Wickstrom et al., 2010). The Upper Cabot Head Shale is composed of argillaceous sandstones and muds interpreted to be intertidal, coastal plains deposits (Castle, 1998). These sediments mark the final shallowing of the Medina Group prior to exposure at the top of the unit; i.e., pre-Dayton Formation transgression.

The Medina Group has multiple sandstone targets for sequestration with interbedded confining zones that segregate the sands into individual flow-units (Figure 40 and Figure 41). The basal Whirlpool Sandstone is typically of poor reservoir quality due to carbonate and dolomite cement (Riley et al., 2010) and is not discussed here; however, this interval will be evaluated for injection viability in the CarbonSAFE stratigraphic test wells and during pre-operational testing. The Grimsby/ “Clinton” sandstones are the objective injection intervals based on their rich history of oil and gas production, from Eastern Ohio to Northwestern Pennsylvania.

The “Clinton” sandstones are typically “tight” with respect to porosity and permeability due to early cementation, primarily by silica (quartz overgrowths) as well as accessory hematite, chlorite, carbonate, and evaporite minerals. Porosity is variable based on their heterolithic sand facies. Porosity types include relict primary porosity to microporosity, intra constituent, and secondary porosity from the dissolution of unstable cement components (Wickstrom et al., 2010; Riley et al., 2010). Wickstrom and others (2005) reported a porosity range of 2 to 23% in the “Clinton” sands, with an average of 7.8%. Measurement from core data near the project area yields an average porosity of ~5%, and permeabilities average ~10 md. Reported permeabilities within the sandstones range from less than 0.1 md to 40 md, although some producing oil fields averaged 100 md with peaks in excess of 200 md (Wickstrom et al., 2010). Fracture porosity and permeability exist, but distribution is poorly understood (Riley et al., 2010). Based on historic oil and gas production, as well as gas storage in “Clinton” sandstone reservoirs, the Medina Group holds good potential for sequestration of miscible CO₂ but due to lithologic variations, detailed characterization of sands will be needed and will be addressed in the pre-operational testing.

Framework grain analysis of rotary sidewall cores from the Ohio Division of Geological Survey CO₂ No. 1 well in Tuscarawas County, Ohio (location and API shown in Figure 21 and Table 2), west of the AoR (Wickstrom et al., 2011), classify the Medina Group injection interval (referred to as the Clinton) as a Quarzarenite/Sublitharenite with minor feldspar and lithic fragments (<8%) (Table 4). Cement accounts for 14-18% of the total point count and are predominantly quartz overgrowths with secondary pore filling clays. XRD analysis corroborates the framework grain analysis with 85-92% quartz, 5-13% predominantly non-swelling clays, and minor percentages of other minerals (Table 5). This analysis suggests that there are few mineral constituents that will react with the injected CO₂ stream, though the literature suggests the

cements are variable: e.g., quartz, hematite, and carbonate, which may cause dissolution and precipitation of different mineral species. In addition, mineralogic information specific to the project area will be collected during pre-operational testing and as a part of the data collection for the CarbonSAFE stratigraphic wells.

Table 4: Framework Grain Analysis for the Medina Group at the Ohio Division of Geological Survey CO2 No. 1 well in Tuscarawas County, Ohio (location shown in Figure 21 and Table 2). Modified from Wickstrom et al., 2011.

| Measured Depth (ft): | 4,771 | 4,790 | 4,840 |
|---------------------------|-----------------|----------------|------------------|
| Sample Number: | 1-3R | 1-5R | 1-9R |
| Grain Size Avg (mm): | 0.1 | 0.11 | 0.15 |
| Grain Size Range (mm): | <0.01-0.32 | <0.01-0.38 | 0.03-0.32 |
| Sorting: | Moderately well | Moderate | Well |
| Rock Type: | Quartzarenite | Sublitharenite | Sublith./Subark. |
| Quartz: | 68% | 51% | 68% |
| Feldspar: | 1% | 3% | 2% |
| Lithic FR: | 1% | 4% | 2% |
| Accessory Grains: | Trace | 2% | 1% |
| Environmental Indicators: | 2% | 3% | Trace |
| Detrital Matrix: | 5% | 16% | 0% |
| Cement/Replacement: | 18% | 14% | 18% |
| Porosity: | 5% | 6% | 9% |
| TOTALS: | 100% | 99% | 100% |

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Table 5: XRD analysis (weight %) for rotary sidewall core (RSWC) collected in the Medina Group at the Ohio Division of Geological Survey CO2 No. 1 well in Tuscarawas County, Ohio (location shown in Figure 21 and Table 2). Modified from Wickstrom et al., 2011.

| Measured Depth (ft): | 4,771 | 4,790 | 4,840 |
|-----------------------------|--------------|--------------|------------|
| Sample Number: | 1-3R | 1-5R | 1-9R |
| Chlorite | 1% | 3% | 1% |
| Kaolinite | 1% | 1% | Trace |
| Illite | 3% | 8% | 4% |
| Mixed Illite/Smectite | Trace | 1% | Trace |
| Total Clay | 5% | 13% | 5% |
| Calcite | Trace | Trace | 0% |
| Dol/Ank | 0% | Trace | 2% |
| Siderite | Trace | Trace | Trace |
| Total Carbonates | Trace | Trace | 2% |
| Quartz | 92% | 85% | 90% |
| K-spar | 1% | 1% | 1% |
| Plag. | 1% | 1% | 1% |
| Pyrite | 1% | Trace | 1% |
| Hematite | Trace | 0% | 0% |
| Barite | 0% | 0% | 0% |
| Total Other Minerals | 95% | 87% | 93% |

Based on the static model, the top of the Medina Group in the project area ranges in depth from –3,400 ft (SSTVD) to the northwest to –5,600 ft (SSTVD) to the southeast; depth range for the Medina Group near the proposed injection wells is -5,560 ft to -6,070 ft (SSTVD) (Figure 42). Gross thickness of the Medina Group in the project area averages between ~160 ft to 190 ft (Figure 42).

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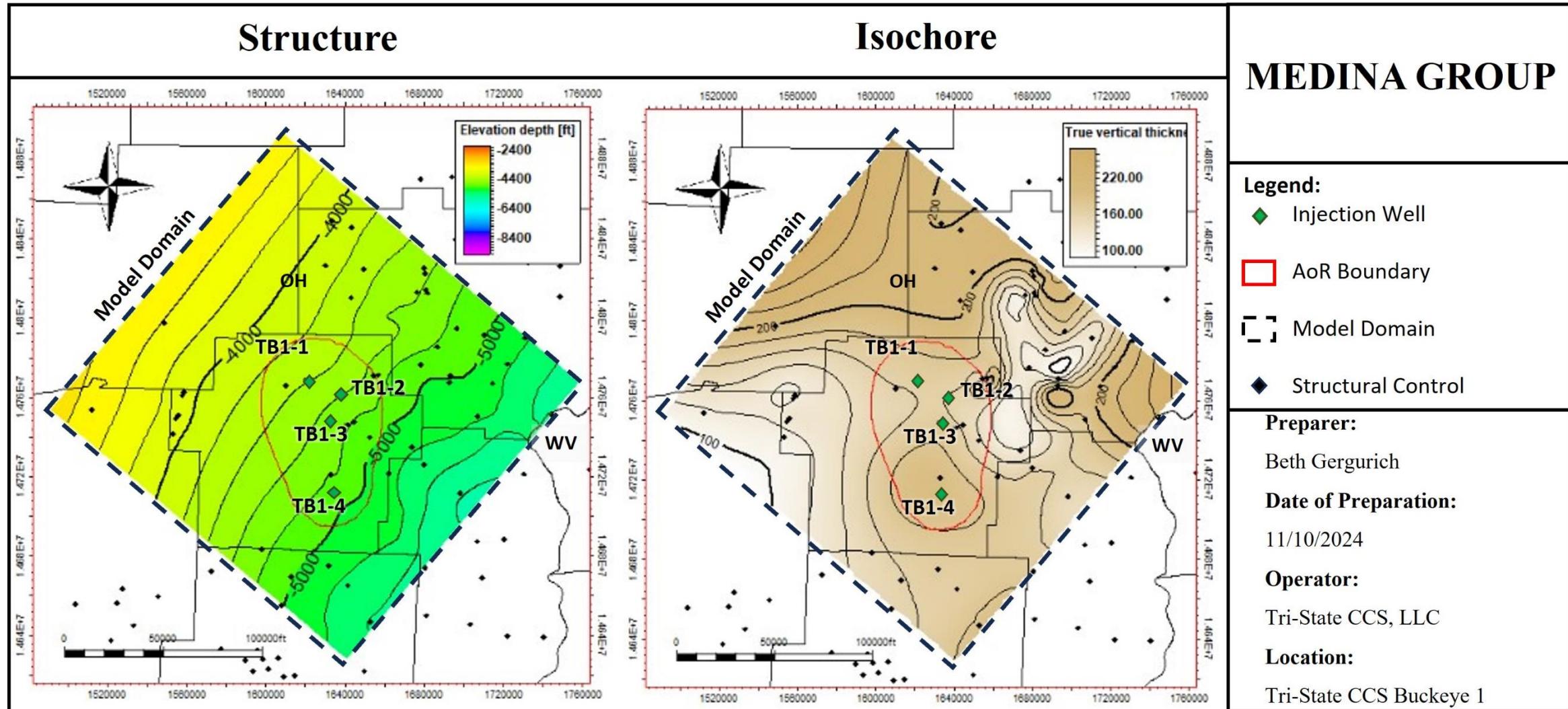


Figure 42: Top Structure (right) and isochore (left) of the Medina Group interval (Structure C.I. = 200'; depths SSTVD; Isochore C.I. = 20') with the four potential injection sites shown in Carroll County, Ohio. The static model domain is shown as a black dashed line.

2.4.2.3. *MIC Primary (lower) Confining Zone: Queenston (Juniata) Shale Formation*

The Queenston Shale Formation (OH, PA, NY, ON), also referred to as the Juniata Shale Formation (WV, PA, VA, NY), or the Sequatchie Formation (KY, TN), lies beneath the Medina Group and serves as basal confining zone for the MIC (Figure 30). Regionally, it has been interpreted as a fluvial and subaerial delta shedding off the Taconic highlands, coined the “Queenston Delta Complex,” into transitional and shallow marine environments (Figure 43; Blue, 2011; Brogley, 1984; Dennison, 1976). Brogley (1984) described it at outcrops in Southern Ontario as a siltstone with between 40 and 70% carbonate, non-aeolian sands, and some gypsum deposited in a supratidal mudflat fed by sediment from a N-S river, while further south, in outcrop in West Virginia, the Juniata is described as a heterolithic red mudstone with coarsening sandstones and conglomerates deposited in the transitional tidal flat to shoreface (Blue, 2011). Figure 43 shows the proposed injection location in Carroll County coinciding with the transitional marine Queenston Shale, rather than the coarser, subaerially deposited Juniata (Blue, 2011).

The Queenston Shale Formation is in excess of 1,500 ft and is found at depths between ~3,600 ft and -5,800 ft (SSTVD) in the project area (Figure 43). The Queenston along with the Late Ordovician unconventional reservoirs (shales) and seals are ~2,500 ft in thickness above the Wells Creek Formation (Figure 44). In addition, a study investigating the depth of penetration of variable fluids with different viscosities in the Queenston shale of southern Ontario measured the hydraulic conductivity of the Queenston Shale as 1.9×10^{-9} , which would classify it as impermeable (Al-Maamori, et al., 2017). Based on the shale’s vast thickness and low permeability, the Queenston Shale will serve as an effective bottom seal for the MIC.

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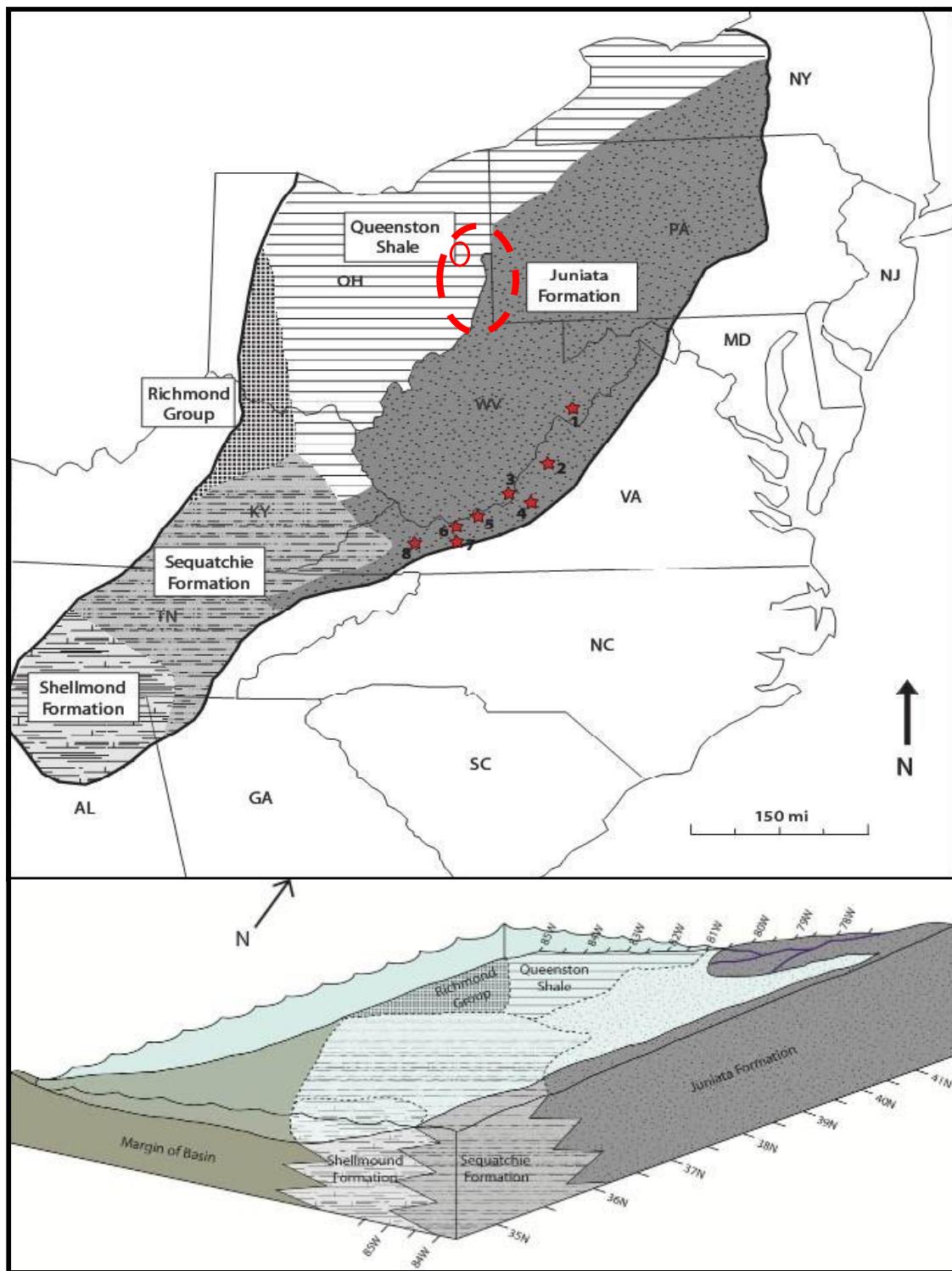


Figure 43: (Upper) Map of late Ordovician formations in the Appalachian Basin and (Lower) depositional systems of the Queenston Shale (modified from Dennison, 1976 and Blue, 2011). The Tri-State CCS Hub location is indicated with a red dashed circle and the approximate AoR with a solid red oval.

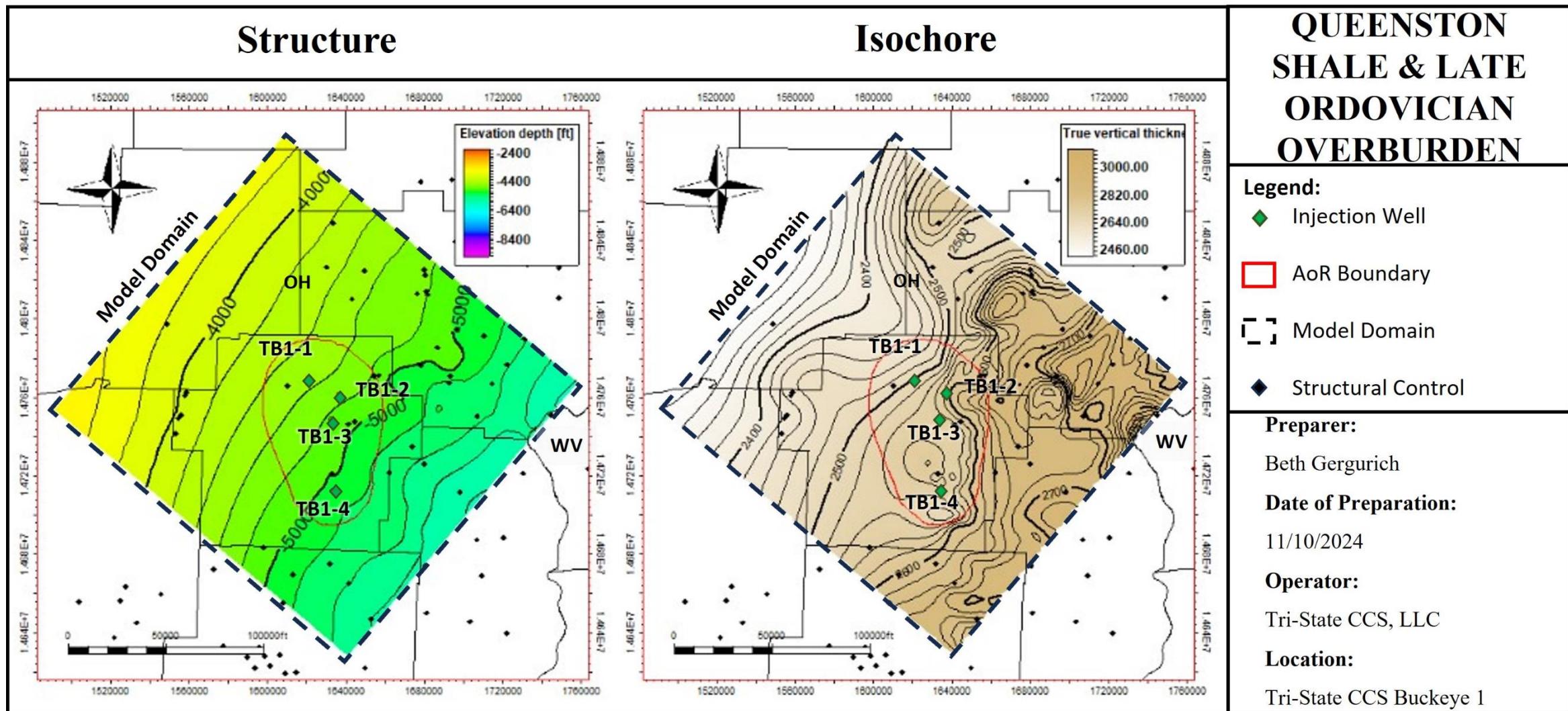


Figure 44: Top Structure (right) of the Queenston Shale interval (C.I. = 200'; depths SSTVD) and the isochore of the Queenston Shale and Late Ordovician intervals (left) (C.I. = 20') with the four potential injection sites shown in Carroll County, Ohio. The static model domain is shown as a black dashed line.

2.4.3. Lower Injection Complex: Knox Injection Complex (KIC)

The KIC is composed of the Cambro-Ordovician Knox Group (and members therein) and is shown in Figure 30. The Knox Group has been the subject of study for CO₂ sequestration (e.g., Wickstrom et al., 2008; Skeen, 2010; Gupta et al., 2020) and will be evaluated in the CarbonSAFE stratigraphic test wells.

The Cambro-Ordovician Knox Group, and age-equivalents in other parts of the U.S., has been the subject of evaluation for CO₂ sequestration, e.g., the Illinois Basin (Kirksey et al., 2014) and the Midcontinent region (Watney and Holubnyak, 2017), the Ohio River Valley (Gupta et al., 2005), and likewise, is present in the project area. The Knox Group in this region is composed of three major formations, from bottom to top, the Copper Ridge Dolomite, the Rose Run Sandstone, and the Beekmantown Dolomite, though alternate nomenclature and sub-units have been identified elsewhere.

2.4.3.1. KIC Primary (upper) Confining Zone: Wells Creek and Late Ordovician Overburden

Regionally, the upper confining member to the Knox Group is composed of the Wells Creek Formation (Figure 30). The Wells Creek Formation is a dolomitic shale with limestone and sandy dolomite beds and serves as an effective seal above the Knox unconformity as evidenced by the presence of oil and gas pools in the area (i.e., Baltic Field; Birmingham-Erie Pool) found within Knox erosional remnants throughout the region (Riley, 1994; Riley et al., 2002; Gupta et al., 2008, Mudd et. al, 2003; Wickstrom et al., 2008). Further, the Wells Creek is overlain with ~2,000 ft of the Upper Ordovician tight limestone in the Black River and Trenton Limestone Groups, the Utica Shale, and the Cincinnati Group (Figure 30).

Based on the static model, the top of the Wells Creek Formation in the project area ranges in depth from ~5,800 ft (SSTVD) to the northwest to ~8,400 ft (SSTVD) to the southeast; the depth range for the Wells Creek Formation near the proposed injection wells is 8,220 ft to 8,815 ft (TVD) (Figure 45 and Figure 30). The isochore of the Wells Creek Formation in the project area averages between ~80 ft and 110 ft (Figure 45). The porosity of the Well Creek Formation is ~3.5%, and permeability is 0.0003 md measured from a rotary sidewall core from the Ohio Division of Geological Survey CO₂ No. 1 well in Tuscarawas County, Ohio (location shown in Figure 19 of subsection 2.1.11), west of the AoR (Wickstrom et al., 2011).

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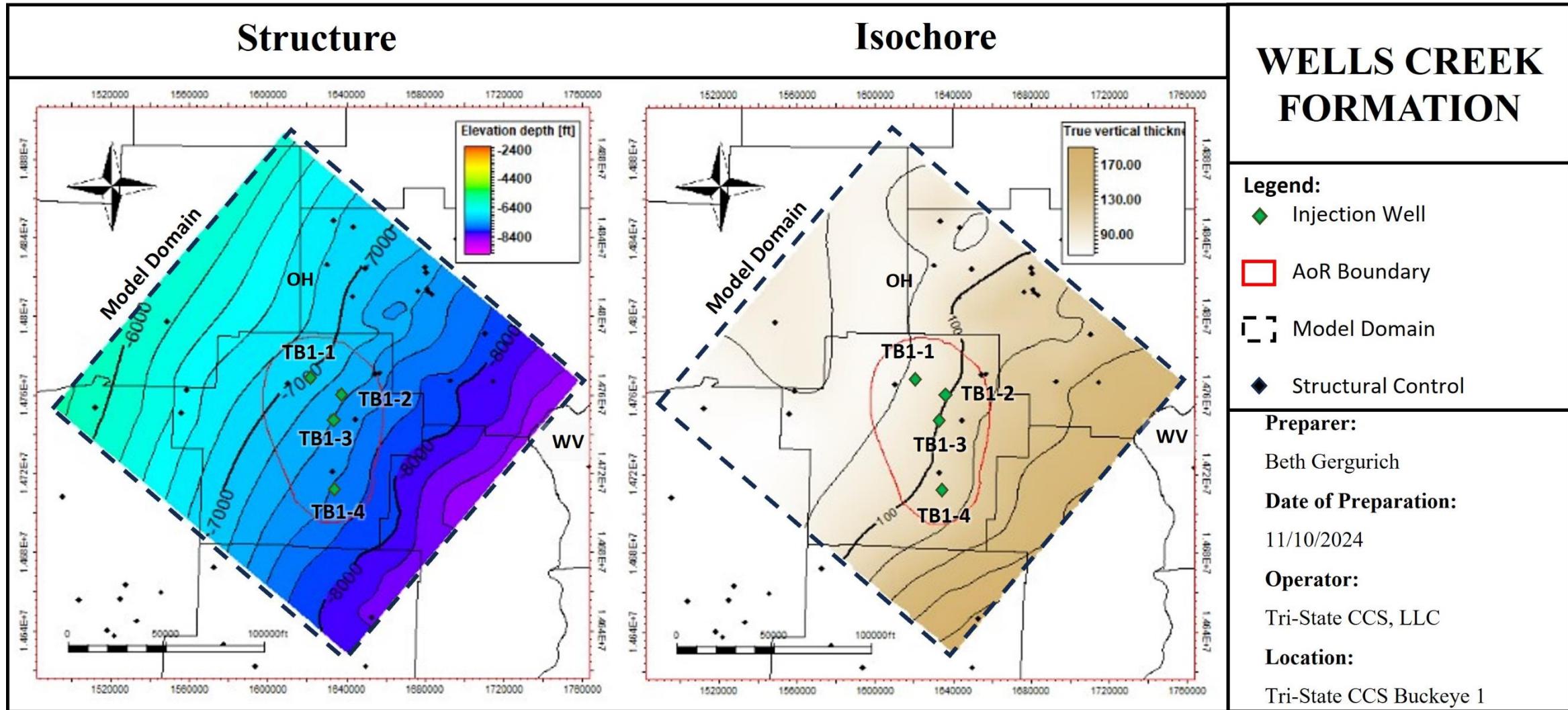


Figure 45: Top Structure (left) and isochore (right) of the Wells Creek Formation interval (C.I. = 200'; depths SSTVD; C.I. = 20') with the four potential injection sites shown in Carroll County, Ohio. The static model domain is shown as a black dashed line.

2.4.3.2. *KIC Primary Injection Zone*

The Knox Group in the project area consists of an erosional angular unconformity informally known as the Knox and is also called the Owl Creek and several geologic units: the Beekmantown Dolomite, the Rose Run Sandstone, and the Copper Ridge Dolomite. The individual formations in the Knox Group thicken toward the Rome Trough and pinch out at the unconformity toward the Findlay Arch (Figure 9 and Figure 46). In total, it is described as predominantly well-cemented dolomite with little to no permeability; however, discrete zones of porosity and permeability exist and are traceable over distance (Greb et al., 2008). The presence of porous units with intervening non-porous and impermeable zones ('aquitards') offers opportunity for numerous intra-Knox sequestration targets as individual flow units, similar to the Wellington Project area in the Midcontinent (Watney and Holubnyak, 2017) and the Ohio River Valley CO₂ Storage Project (Gupta et al., 2005) but could also inhibit injectivity.

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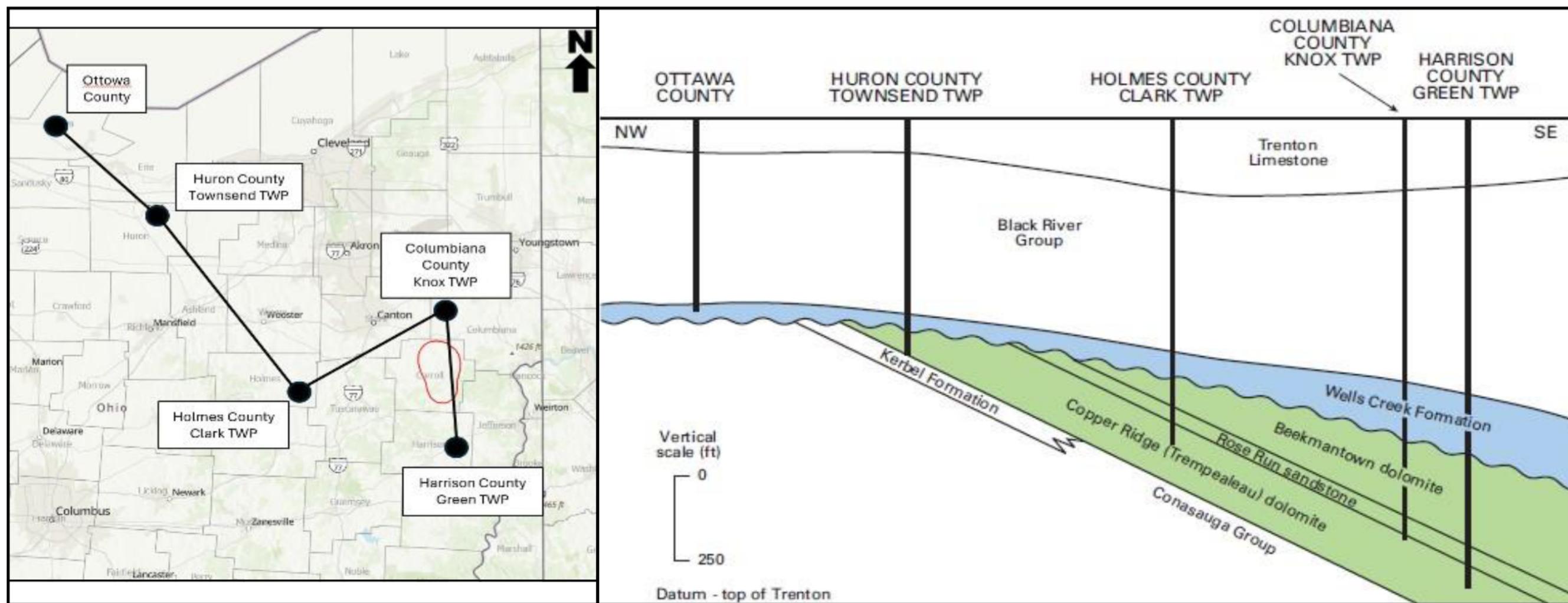


Figure 46: Diagram illustrating the regional thinning, and truncation, of the Knox Group, from the project area to the northwest into north-central Ohio, over the Findlay Arch (Wickstrom et al., 2008).

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The Knox Group was deposited in the Upper Cambrian and Late Ordovician shallow carbonate bank system (Demicco and Mitchell, 1982; Ettensohn, 2008). These shallow carbonate depositional systems hold a variety of different sub-environments resulting in a variety of mostly carbonate facies in the rock record, and regression events are punctuated by the input of siliciclastics: the Rose Run and the “B” zone in the Copper Ridge Dolomite (Wickstrom et al, 2011). This, coupled with the syn-depositional subaerial alteration and the further post-depositional alteration of the units, results in highly variable lithosomes with low predictability, both vertically and laterally (Hull, 2012; Smosna et al, 2005; Wickstrom et al., 2010).

The unit directly below the unconformity in the project area is the Beekmantown Dolomite. In the nearby CO2 No. 1 well in Tuscarawas County, Ohio (see Figure 19 and Table 2 for location in subsection 2.1.12) the Beekmantown is a very fine to medium crystalline, tan-brown dolomite. Original sedimentary structures have been mostly destroyed by the dolomitization that has occurred, though Wickstrom et al (2011) notes that soft sediment deformation, stylolites, and evidence of burrows have been found in cores from Eastern Ohio. Two scales of secondary porosity occur in the Beekmantown Dolomite resulting in the presence of breccia porosity, vugs, fractures, inter- and intra-crystalline, molds and microfractures. Most of the larger pores occurred from subaerial exposure during the Cambro-Ordovician and are found close to the unconformity surface (Smosna et al, 2005; Greb et al., 2008).

XRD analysis of rotary sidewall cores from the Ohio Division of Geological Survey CO2 No. 1 well in Tuscarawas County, Ohio (Table 6; and Table 2 for location in subsection 2.1.12) indicates that the Beekmantown is entirely dolomite with minor calcite and trace amounts of other minerals. The framework grain analysis of the sidewall cores further supports this conclusion, classifying the Beekmantown as a very fine to medium crystalline dolostone (Table 6 and Table 7). The core had an average of 4% porosity and permeabilities ranging from 0.0009 md to 0.9 md.

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Table 6: XRD analysis (weight %) for RSWC collected in the Beekmantown Dolomite at the Ohio Division of Geological Survey CO2 No. 1 well in Tuscarawas County, Ohio (location shown in Figure 19). Modified from Wickstrom et al., 2011.

| | | | |
|-----------------------------|--------------|--------------|--------------|
| Measured Depth (ft): | 7,226 | 7,231 | 7,235 |
| Sample Number: | 1-30R | 1-31R | 1-32R |
| Chlorite | Trace | Trace | Trace |
| Kaolinite | Trace | Trace | Trace |
| Illite | Trace | Trace | Trace |
| Mixed Illite/Smectite | Trace | Trace | Trace |
| Total Clay | Trace | Trace | Trace |
| Calcite | 1% | 1% | Tr |
| Dol/Ank | 99% | 99% | 100% |
| Siderite | Trace | Trace | Trace |
| Total Carbonates | 100% | 100% | 100% |
| Quartz | Trace | Trace | Trace |
| K-spar | Trace | Trace | Trace |
| Plagioclase | Trace | Trace | Trace |
| Pyrite | Trace | Trace | Trace |
| Hematite | 0% | 0% | 0% |
| Barite | 0% | 0% | 0% |
| Total Other Minerals | Tr | Tr | Tr |

Table 7: Framework Grain Analysis for the Beekmantown Dolomite at the Ohio Division of Geological Survey CO2 No. 1 well in Tuscarawas County, Ohio (location shown in Figure 19) Modified from Wickstrom et al., 2011.

| | | | |
|----------------------|------------------------------|-------------------------------------|---------------------------------|
| Measured Depth (ft): | 7,226 | 7,231 | 7,235 |
| Sample Number: | 1-30R | 1-31R | 1-32R |
| Rock Name (Dunham): | Medium Crystalline Dolostone | Fine to Medium Crystalline Dolomite | Very Fine Crystalline Dolostone |
| Total Allochems: | 0% | Trace | Trace |
| Detrital Grains: | Trace | Trace | 4% |
| Matrix: | 0% | Trace | 0% |
| Cement Replacement: | 94% | 86% | 95% |
| Porosity: | 6% | 14% | 1% |
| TOTALS: | 100% | 100% | 100% |

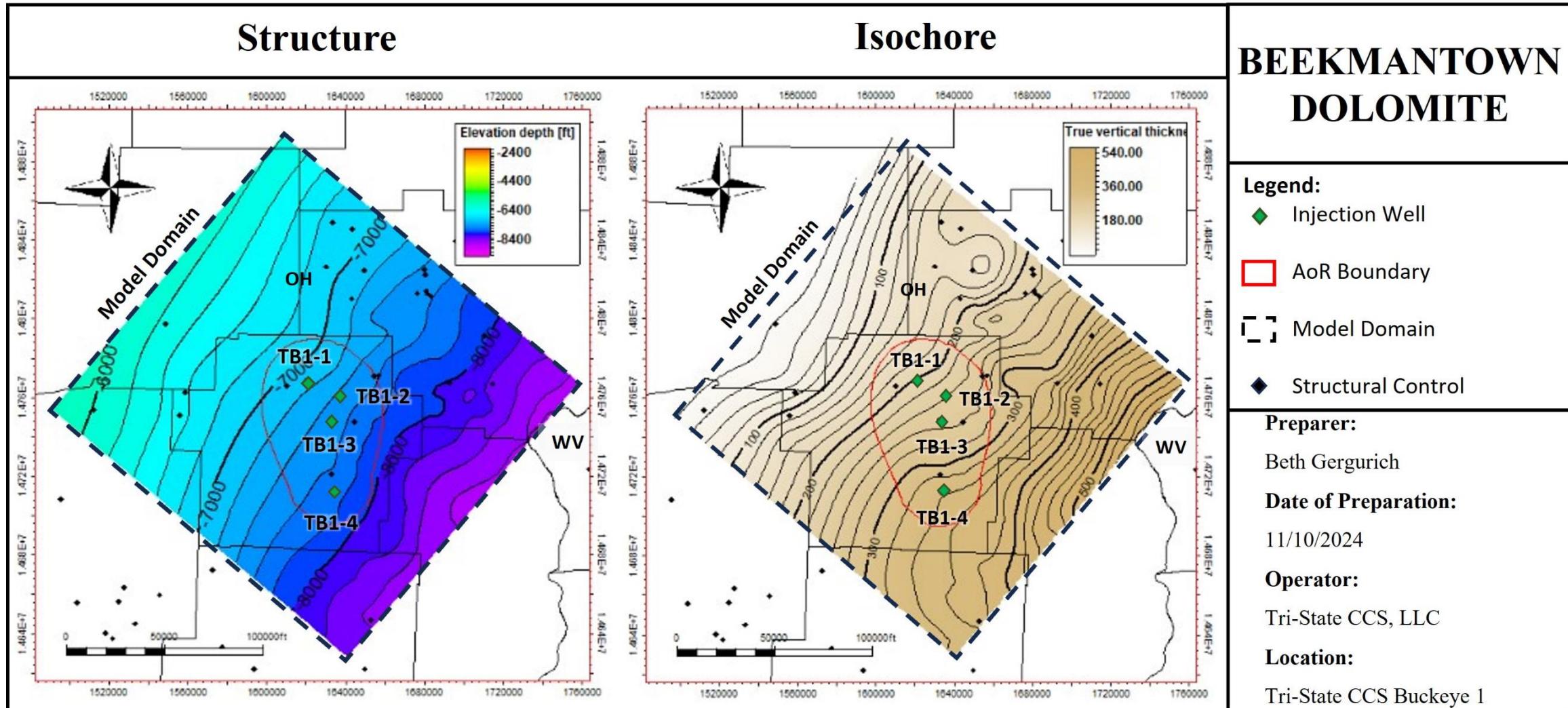


Figure 47: Top Structure (left) and isochore (right) of the Beekmantown Dolomite interval (C.I. = 200'; depths SSTVD; C.I. = 20') with the four potential injection sites shown in Carroll County, Ohio. The static model domain is shown as a black dashed line.

Based on the static model, the top of the Beekmantown Dolomite in the project area ranges in depth from -6,000 ft (SSTVD) in the northwest to -8,600 ft (SSTVD) to the southeast. Gross thickness of the Beekmantown Dolomite in the project area averages between ~45 ft in the northwest to ~ 560 ft to the southeast (Figure 47). This dramatic thinning is due to the Knox (Owl Creek) angular unconformity and the associated pinch-out to the northwest of the project area.

The middle unit in the Knox Group is the Rose Run Sandstone. Framework grain analysis of the Rose Run indicates it is a fine to medium grained quartzose to subarkosic, moderate to well-sorted sandstone with dolomitic cement from samples taken in Northern Kentucky, Western West Virginia, and Eastern Ohio (Table 8; Wickstrom et al., 2011; Bowersox, 2021). Illite, feldspars, and detrital carbonate occur in varying amounts. XRD analysis shows the Rose Run to be composed of a range of 71-89% quartz, 1-30% pore-filling dolomite cement, 2-6% illite/smectite clays and micas, 1-17% authigenic potassium feldspar, and other trace minerals in Northern Kentucky at the KGS 1 Hanson Aggregates well and the Ohio Division of Geological Survey CO2 No. 1 well in Tuscarawas County, Ohio (Table 8; Wickstrom et al., 2011; Bowersox, 2021; location shown in Figure 19 in subsection 2.1.12).

Table 8: XRD analysis (weight %) for RSWC collected in the Rose Run Sandstone at the Ohio Division of Geological Survey CO2 No. 1 well in Tuscarawas County, Ohio (location shown in Figure 19 and Table 2). Modified from Wickstrom et al., 2011.

| Measured Depth (ft): | 7,377 | 7,392 | 7,441 | 7,506 |
|-----------------------------|------------|------------|------------|------------|
| Sample Number: | 1-37R | 1-39R | 1-43R | 1-47R |
| Chlorite | 1% | 1% | 1% | 1% |
| Kaolinite | 1% | 1% | 1% | 1% |
| Illite | 1% | 1% | 3% | 2% |
| Mx I/S | 1% | 1% | 1% | 1% |
| Total Clay | 4% | 4% | 6% | 5% |
| Calcite | 0% | 0% | Trace | Trace |
| Dol/Ank | 5% | 8% | 2% | 1% |
| Siderite | Trace | Trace | Trace | Trace |
| Total Carbonates | 5% | 8% | 2% | 1% |
| Quartz | 89% | 85% | 74% | 89% |
| K-spar | 1% | 1% | 17% | 4% |
| Plagioclase | 1% | 1% | 1% | 1% |
| Pyrite | Tr | 1% | Trace | Trace |
| Hematite | 0% | 0% | 0% | 0% |
| Barite | 0% | 0% | 0% | 0% |
| Total Other Minerals | 91% | 88% | 92% | 94% |

Table 9: Framework Grain Analysis for the Rose Run Sandstone at the Ohio Division of Geological Survey CO2 No. 1 well in Tuscarawas County, Ohio (location shown in Figure 19 and Table 2). Modified from Wickstrom et al., 2011.

| | | | | |
|---------------------------|-----------------|---------------|-----------|-----------------|
| Measured Depth (ft): | 7,377 | 7,392 | 7,441 | 7,506 |
| Sample Number: | 1-37R | 1-39R | 1-43R | 1-47R |
| Grain Size Avg (mm): | 0.48 | 0.35 | 0.31 | 0.27 |
| Grain Size Range (mm): | 0.09-1.09 | <0.01-1.06 | 0.06-1.23 | 0.03-0.97 |
| Sorting: | Moderately well | Moderate | Moderate | Moderately poor |
| Rock Type: | Quartzarenite | Quartzarenite | Subarkose | Subarkose |
| Quartz: | 77% | 67% | 62% | 46% |
| Feldspar: | 1% | 2% | 17% | 9% |
| Lithic FR: | Trace | 1% | 1% | Trace |
| Accessory Grains: | 0% | Trace | Trace | Trace |
| Environmental Indicators: | Trace | 1% | Trace | 1% |
| Detrital Matrix: | 0% | 1% | 0% | 0% |
| Cement/Replacement: | 13% | 17% | 10% | 33% |
| Porosity: | 9% | 11% | 10% | 11% |
| TOTALS: | 100% | 100% | 100% | 100% |

Near the project area, in Tuscarawas County, measurements of the Rose Run Sandstone rotary sidewall cores had average measured porosities of 4.6% with a high of 16.8% and permeabilities averaging 6.5 md with the maximum of 10.8 md. Intrinsic permeability was measured in three intervals in the well with the middle interval having an intrinsic permeability of 22.1 md (Wickstrom et al, 2011). The evaluation of the Rose Run Sandstone for the Ohio River Valley CO₂ Storage Project by Gupta et al. (2005) recorded a similar pattern to what was recorded in Tuscarawas County (Figure 50). Porosity was as high as 12% in the sandstone facies, whereas the intervening dolomitic sandstones were closer to 5%. The measured permeabilities mimicked this pattern alternating between highs of as much as 70 md and lows of 0.001 md.

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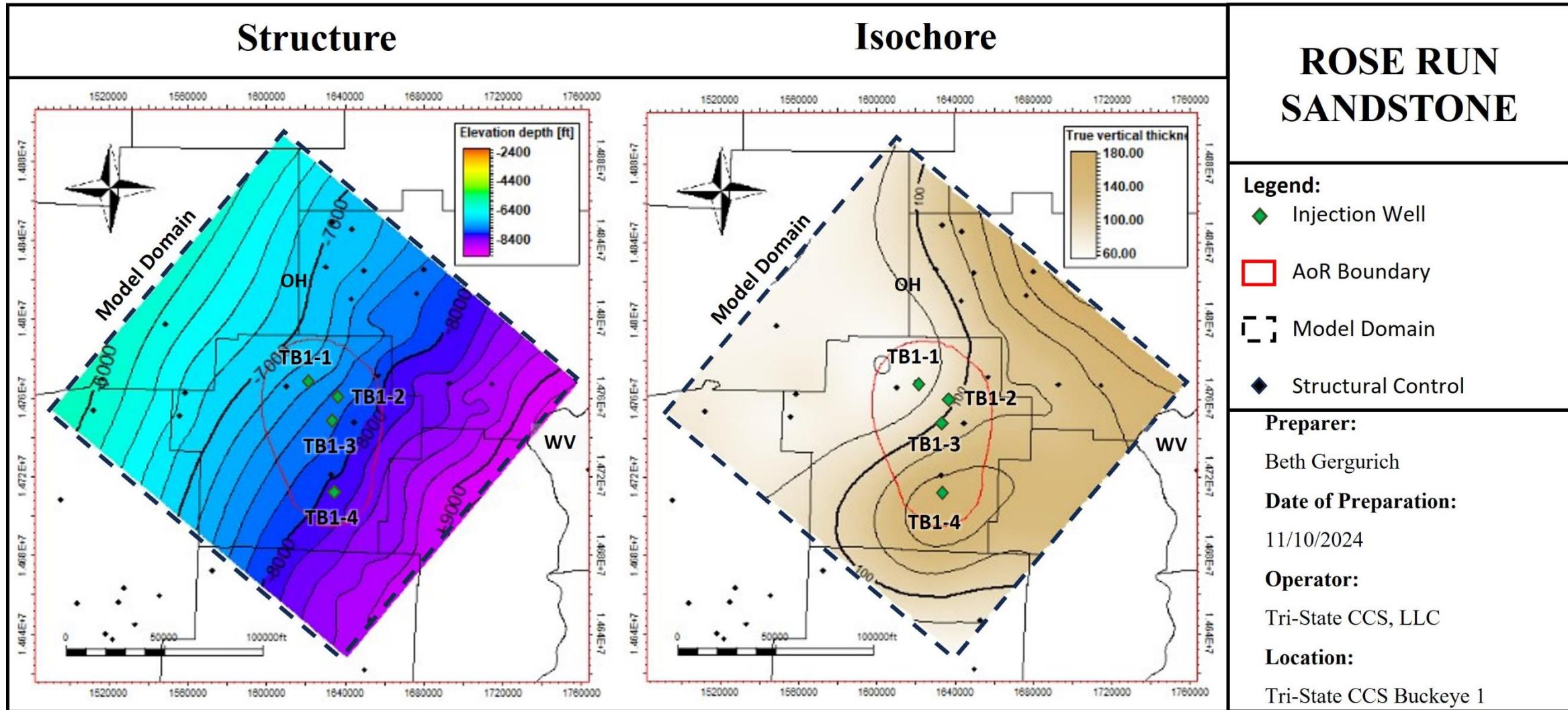


Figure 48: Top Structure (left) and isochore (right) of the Rose Run Sandstone interval (C.I. = 200'; depths SSTVD; C.I. = 20') with the four potential injection sites shown in Carroll County, Ohio. The static model domain is shown as a black dashed line.

The Rose Run Sandstone lies at depths between -5,800 ft and -9,200 ft (SSTVD) in the project area. static model isochore mapping indicates that the Rose Run Sandstone is between ~70 ft and 150 ft thick near the proposed injection wells and thickens to the east-southeast (Figure 30 and Figure 48).

The Copper Ridge Dolomite is the basal unit of the Knox Group. It is correlative in the west with the Potosi Dolomite and is overlain conformably with the Rose Run in the project area, though it lies unconformably below the Wells Creek to the west (Wickstrom et al., 2010). It has primarily been described as a light gray to brown dolomicrite with variable bioclasts and sandy intervals, varying with its region in Ohio (Janssens, 1973). The “B Zone” has been described as a glauconitic silty-sandstone 70-100 ft above the base of the Copper Ridge Dolomite (Janssen, 1973). The “B Zone” was identified in the Battelle AEP No.1 Mountaineer well in West Virginia, where it was tested for injection and identified as a significant fluid inflow/outflow zone, and in the Battelle-Ohio Geological Survey (OGS) 1 CO₂ well in Tuscarawas County, Ohio, though low porosity and permeability common to the Copper Ridge Dolomite (<1% phi; <1 md K) indicate that the interval is not conducive to injection (Figure 50; Greb et al., 2012).

Framework grain and petrographic analysis in Tuscarawas County, Ohio indicate it is a medium-grained crystalline skeletal peloidal dolostone, primarily composed of dolomitized carbonate with moderate detrital grain composition (Table 11). This is further supported by the XRD mineralogical analysis (Table 10).

Table 10: XRD analysis (weight %) for RSWC collected in the Copper Ridge Dolomite at the Ohio Division of Geological Survey CO₂ No. 1 well in Tuscarawas County, Ohio (location shown in Figure 19 and Table 2). Modified from Wickstrom et al., 2011.

| | |
|-----------------------------|------------|
| Measured Depth (ft): | 7,692 |
| Sample Number: | 1-50R |
| Chlorite | Trace |
| Kaolinite | Trace |
| Illite | 1% |
| Mx I/S | Trace |
| Total Clay | 1% |
| Calcite | Trace |
| Dol/Ank | 89% |
| Siderite | Trace |
| Total Carbonates | 89% |
| Quartz | 5% |
| K-spar | 3% |
| Plagioclase | 1% |
| Pyrite | 1% |
| Hematite | 0% |
| Barite | 0% |
| Total Other Minerals | 10% |

Table 11: Framework Grain Analysis for the Copper Ridge Dolomite at the Ohio Division of Geological Survey CO2 No. 1 well in Tuscarawas County, Ohio (location shown in Figure 19 and Table 2). Modified from Wickstrom et al., 2011.

| | |
|------------------------|--|
| Measured Depth (ft): | 7,692 |
| Sample Number: | 1-50R |
| Grain Size Avg (mm): | 0.48 |
| Grain Size Range (mm): | 0.09-1.09 |
| Rock Name (Dunham): | Medium Crystalline Skeletal Peloidal Dolostone |
| Total Allochems: | 0% |
| Detrital Grains: | 23% |
| Matrix: | 0% |
| Cement Replacement: | 76% |
| Porosity: | 0% |
| TOTALS: | 100% |

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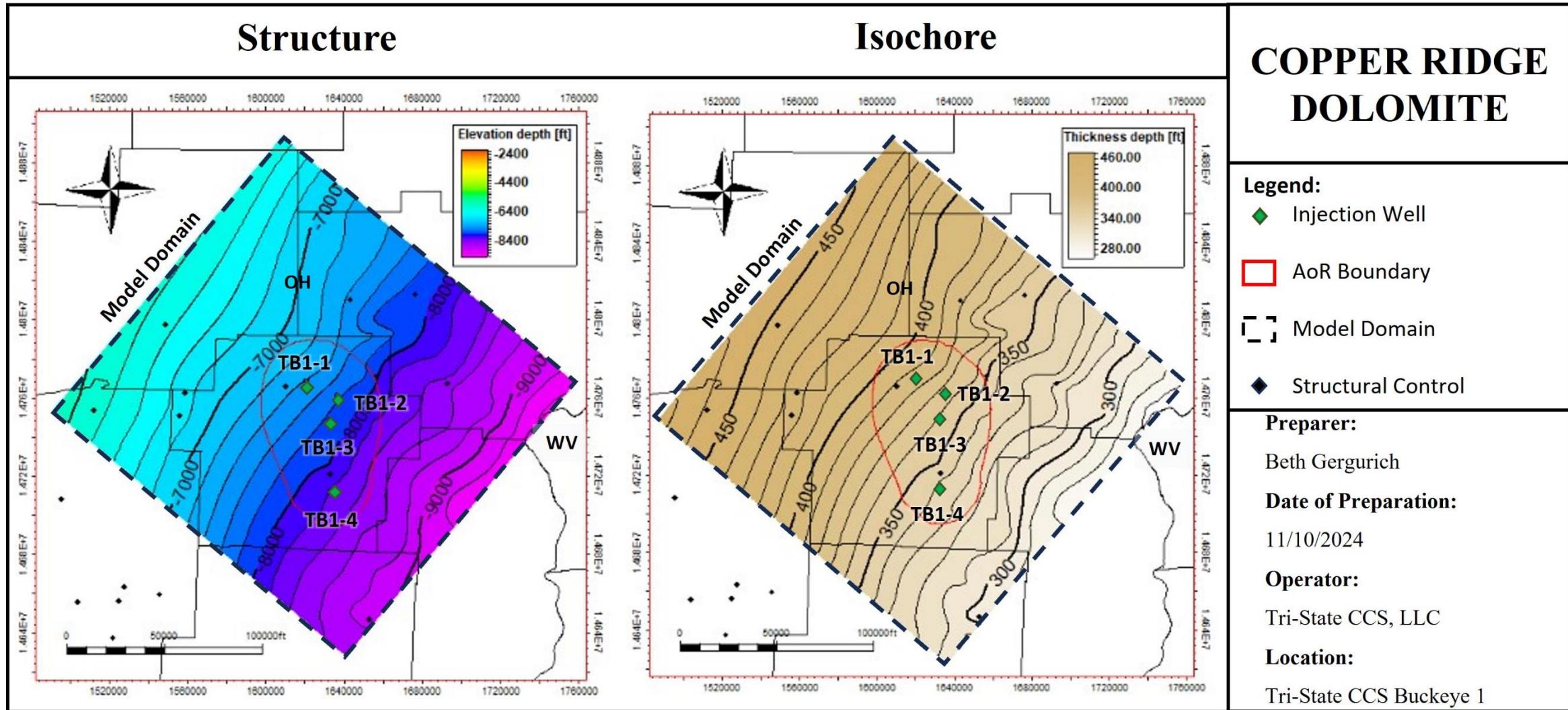


Figure 49: Top Structure (left) and isochore (right) of the Copper Ridge Dolomite interval (C.I. = 200'; depths SSTVD; C.I. = 10') with the four potential injection sites shown in Carroll County, Ohio. The static model domain is shown as a black dashed line.

Gross thickness of the Copper Ridge Dolomite in the project area averages between ~470 ft in the northwest to ~ 280 ft to the southeast (Figure 30 and Figure 49). The depth of the top of the Copper Ridge Dolomite in the project area ranges from -6,000 ft (SSTVD) in the northwest to -9,200 ft (SSTVD) to the southeast.

The thick carbonates in the Knox, as well as the sandstones of the Rose Run, offer tremendous potential for sequestration of miscible CO₂ but will require a full evaluation due to the paucity of data in the region (Perry et al., 2022). Data collection in the AoR and the CarbonSAFE stratigraphic wells and seismic acquisition will enable a full evaluation and vetting of potential disposal in the Knox Group in the area.

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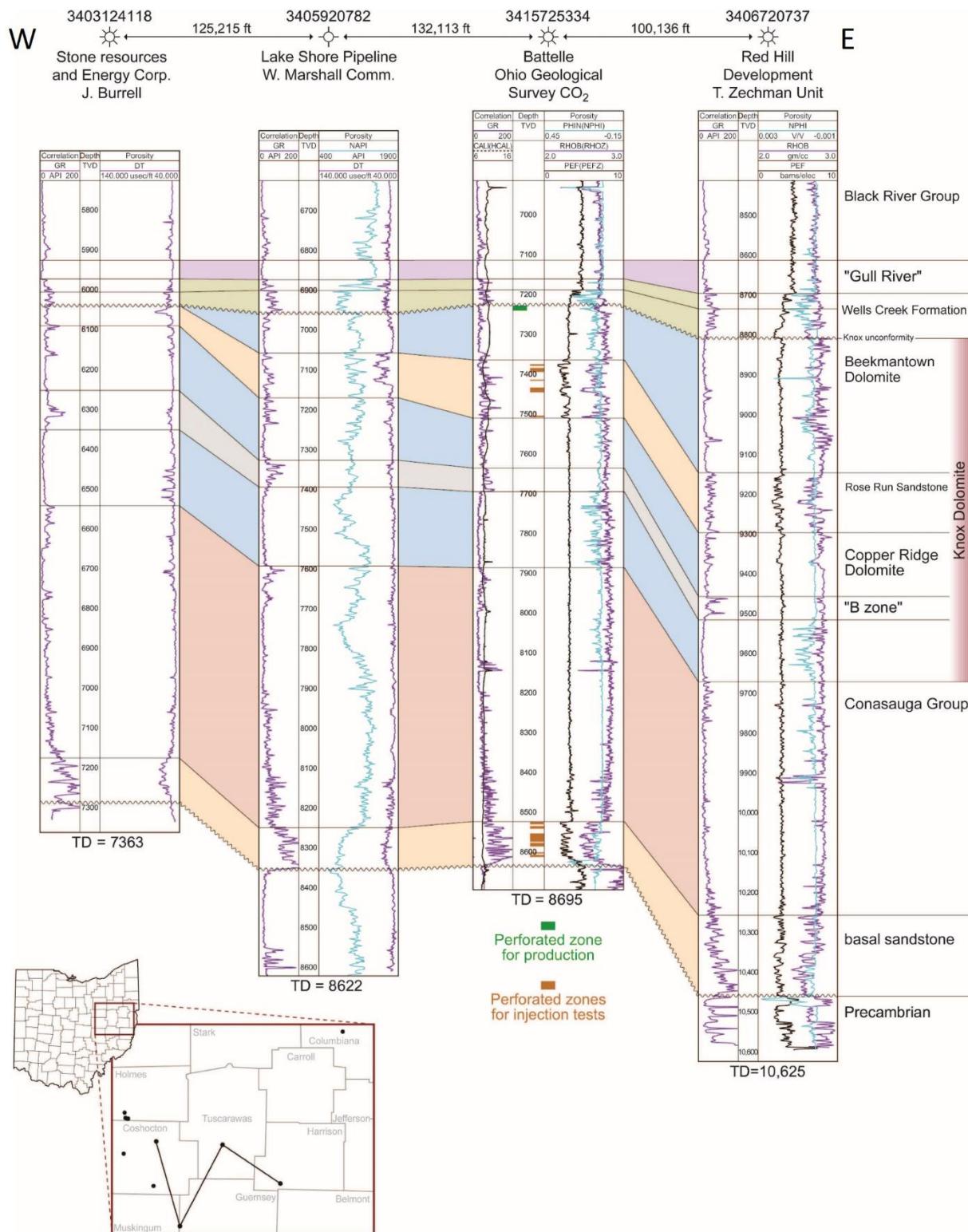


Figure 50: Wireline log cross section of the Knox Group from Coshocton to Harrison County, Ohio. Left track – gamma ray; middle track – depth TVD; right track – porosity, RHOB, and PEF logs. (from Greb et al., 2012).

2.4.3.3. *KIC Primary (lower) Confining Zone: Conasauga Group*

At its base, the Knox Group in Ohio is confined by the tight carbonates of the Cambrian-aged Conasauga Group. The Conasauga was originally described by Hayes (1891), and the type locality is in Conasauga Valley in northwest Georgia (Wilmarth, 1938). It is pervasive across the region, found in Tennessee, Kentucky, Georgia, Alabama, Ohio, Virginia, and West Virginia and grades into the Eau Claire Formation in Western Ohio and the Gatesburg Formation in Western Pennsylvania Figure 25; Ryder, 2012; Janssen, 1973; Bandy, 2012; Banjade, 2011; Wagner, 1966). In Tennessee, Rogers (1953) identified the different units that comprise the Conasauga Group (from shallow to deep): the Maynardville Limestone, Nolichucky Shale, Maryville Limestone, Rogersville Shale, Rutledge Limestone, and the Pumpkin Valley Shale. Ryder's (2012) Conasauga Group (Figure 25) includes the Rome Formation and the Conasauga Formation of Janssens (1973).

Janssens (1973) describes the Conasauga Group of Ohio as having variable facies specific to their geographic area (west, central, and eastern). In the project area, Eastern Ohio, the upper Conasauga Group is described as light to dark gray and brown, predominantly microcrystalline to finely crystalline sandy dolomite, interbedded with varying amounts of fine- to coarse-grained sandstone, and the lower is dark brown pelletal and oolitic dolomite inter-bedded with light-colored pelletal dolomite indicative of carbonate shelf and marginal marine deposition. The underlying Rome Formation is predominantly dolomite, though Janssens notes a "narrow north-south strip" of dolomitic sandstone in central Ohio, and the dolomite grades into the Eau Claire Formation in western Ohio.

Mean point counts from three sandstone samples in the Conasauga Group in east-central Ohio plot in the craton interior/recycled quartzose in the QmFLt diagram and in the recycled orogen in the QFL diagram (Figure 51). Banjade (2011) posits from these data that the Conasauga Group siliciclastics were sourced from the transcontinental arch (cratonic interior) and the Grenville Province and could be the source for the recycled orogen petrofacies.

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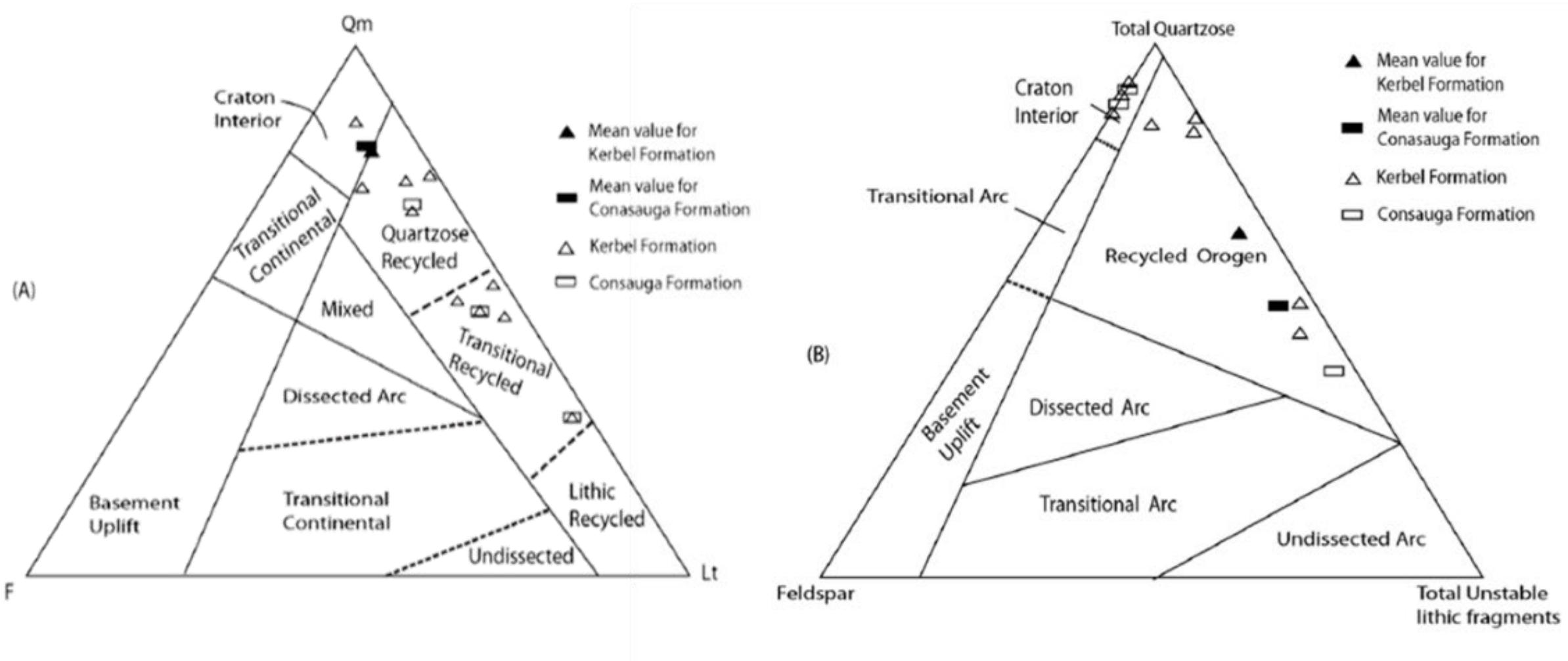


Figure 51: Ternary diagram showing the QmFLt plot and lower diagram showing QtFLt (Dickinson and Suczek, 1979). (A) Mean value for both Kerbel and Conasauga Group plot in the Craton interior petrofacies of the QmFLt diagram. (B) Mean value for both Kerbel and Conasauga Group plot in the Recycled Orogen petrofacies of the QtFLt diagram. Modified from Banjade, 2011.

The thickness of the Conasauga Group ranges regionally from 400 ft to greater than 650 ft and is found at depths between ~6,400 ft and -9,600 ft (SSTVD) in the project area (Figure 52). Regional evaluation of wells and gas fields for the Ohio River Valley CO₂ Storage Project assigns the average phi to be less than 3% and the permeability at less than 1×10^{-6} md, making it a suitable confining zone.

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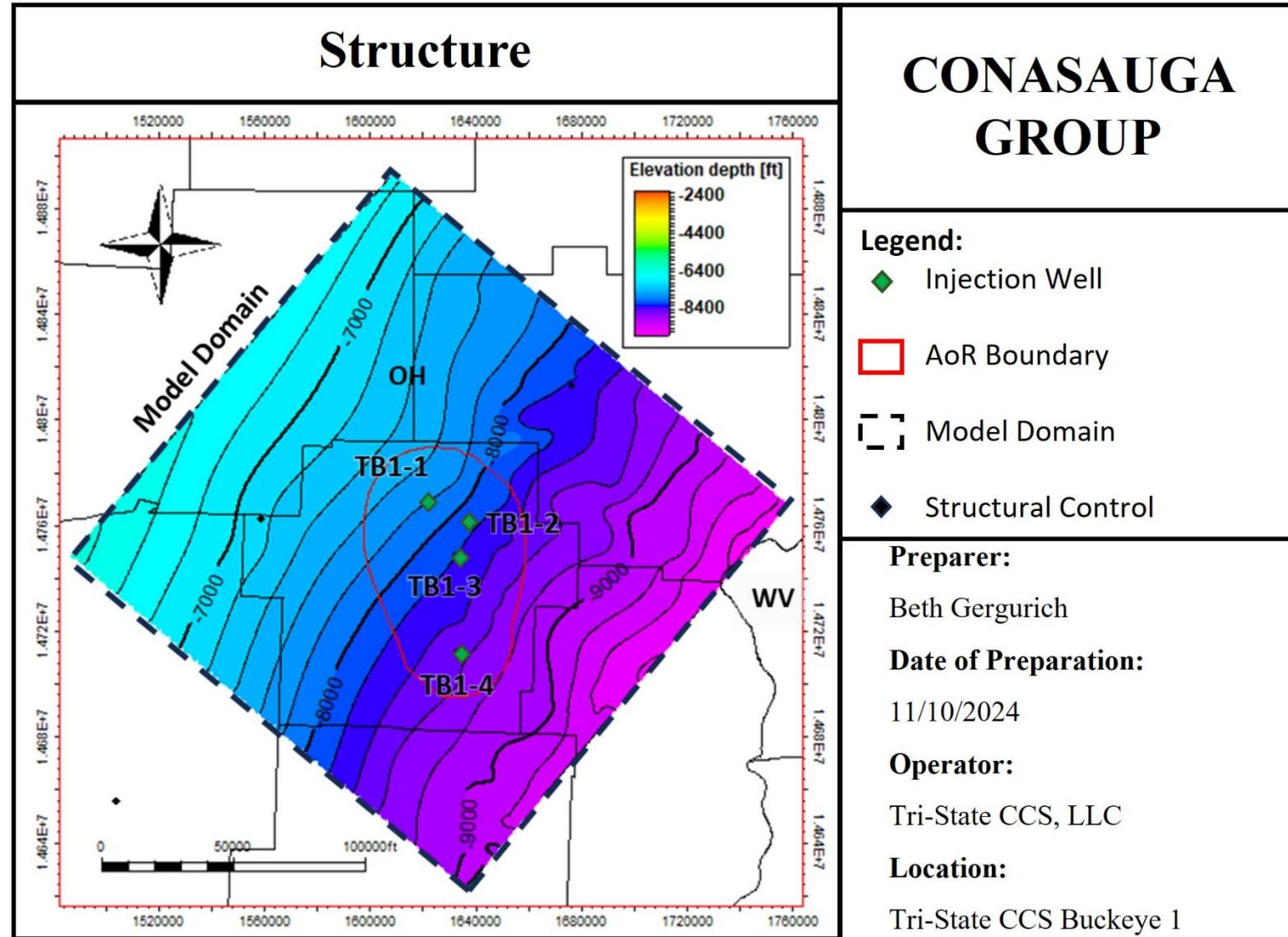


Figure 52: Top Structure of the Conasauga Group interval (C.I. = 200'; depths SSTVD) with the four potential injection sites shown in Carroll County, Ohio. The static model domain is shown as a black dashed line.

2.4.4. Uncertainties & Additional Required Information

Given the sparse subsurface data in the project area, data collection will be imperative to appropriately characterize the injection and confining zones. Subsurface characterization in the project area using wireline logs, whole and rotary sidewall core, and 3D seismic will be performed prior to the start of injection. These data will be collected for the CarbonSAFE stratigraphic wells. Additional whole rock data and logging and testing data will be collected as part of the pre-operational testing for the project (see Pre-Operational Testing Plan). Successful collection of downhole data, core, and the subsequent tests and measurements will provide greater clarity around current uncertainties in lithology and facies, reservoir properties, including capillary pressure and relative permeability, and mineralogy.

2.4.5. Regional Estimated Injection Zone Storage Capacity

Prospective storage resource estimates for the project were calculated for the Carbonate and Sandstone reservoirs using the methodology detailed in Goodman et al. (2011) and Goodman et al. (2016) for saline formations. This methodology generates storage resource estimates using equations (1) and (2) (from Goodman, 2016):

$$G_{CO_2} = A_t h_g \emptyset_{total} \rho_{CO_2} E_{Saline} \quad (\text{Equation 1}),$$

where E_{Saline} is the CO_2 storage efficiency factor that reflects a fraction of the total pore volume that is filled by CO_2 ,

$$E_{Saline} = E_A E_h E_\emptyset E_V E_D \quad (\text{Equation 2}),$$

where A is area, h is thickness, \emptyset is porosity, V is volumetric displacement, and d is microscopic displacement.

Prospective storage resource estimates were calculated in Excel using average properties across all reservoir formations within the project area. For the Lockport, Beekmantown, and Copper Ridge dolomites, gross formation statistics were used to obtain physical characteristics used for the resource estimate. Sandstone intervals were isolated for the Medina and Rose Run formations, and average physical characteristics were calculated for a resource estimate. Due to limited availability of site-specific data, values from the 2017 version of the DOE-NETL CO_2 SCREEN tool were used to calculate saline storage efficiency factors. All physical inputs, storage efficiencies, and assumptions are shown in Table 12. The resource estimate suggests that all reservoir formations, together, may be able to store between 434.1 (P10) to nearly 2,190 (P90) MMt of CO_2 . Table 13 details the results of the prospective storage resource calculations.

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Table 12: Parameters used for Calculating Storage Resource Estimates for Reservoir Formations. Note: CO₂ density is based on reservoir conditions using regional gradients. ESaline Storage Efficiency = EvEd (volumetric displacement efficiency) + Eph (effective porosity) + Eh (net-to-gross thickness). Ean/at (Net-to-total area) is assumed to be 1. Efficiency values obtained from 2017 version of NETL CO₂ Screen Tool for respective depositional environment.

| Resource Estimate Inputs | | | | | |
|---|-----------------------|-----------------------|----------------------|--------------------|-----------------------|
| Attribute | Lockport Dolomite Grp | Medina Grp | Beekmantown Dolomite | Rose Run Sandstone | Copper Ridge Dolomite |
| Mean Reservoir Thickness (m) | 367.61 | 142 | 567 | 27 | 337 |
| Mean Porosity (%) | 3 | 5 | 3 | 3 | 3 |
| Mean CO ₂ Density (lb/ft ³) | 44 | 44.1 | 44.4 | 44.4 | 44.5 |
| Area (mi ²) | 820 | | | | |
| Depositional Environment (used to determine efficiency) | Dolomite Unspecified | Clastic Shallow Shelf | Dolomite Unspecified | Clastic Peritidal | Dolomite Unspecified |
| Saline Storage Efficiency | P10 | 0.02 | 0.022 | 0.02 | 0.018 |
| | P50 | 0.049 | 0.068 | 0.049 | 0.057 |
| | P90 | 0.0917 | 0.162 | 0.0917 | 0.1423 |
| | | | | | 0.0917 |

Table 13: Cumulative and probabilistic scenarios for prospective storage resource estimates for all reservoir formations based on the regional values.

| Reservoir | | Total CO ₂ (MMt) | | | Total CO ₂ (MMt/mile ²) | | |
|----------------------|-----------------------|-----------------------------|--------|--------|--|-------|-------|
| | | P10 | P50 | P90 | P10 | P50 | P90 |
| LIC | Lockport Dolomite | 102.1 | 247.6 | 461.2 | 0.02 | 0.048 | 0.09 |
| MIC | Medina Sandstone | 71.5 | 221.1 | 526.4 | 0.014 | 0.043 | 0.103 |
| KIC | Beekmantown Dolomite | 159.2 | 386.1 | 719 | 0.031 | 0.076 | 0.141 |
| | Rose Run Sandstone | 6.8 | 21.8 | 53.9 | 0.001 | 0.004 | 0.011 |
| | Copper Ridge Dolomite | 94.5 | 229.2 | 426.8 | 0.018 | 0.045 | 0.083 |
| Total Summed Storage | | 434.1 | 1105.8 | 2187.3 | 0.084 | 0.216 | 0.428 |

2.5. Geomechanical and Petrophysical Information [40 CFR 146.82(a)(3)(iv)]

2.5.1. Salina Group Confining Zone Petrophysical Analysis

The Salina Group comprises a group of generally impermeable shales, dolomite, and salts with variable internal stratigraphy. No porosity and permeability data were available from the salt layers; however, permeability of interbedded salts is often taken to be 0 in petrophysical analyses and for this analysis was considered to be approximately 1 nd. One well near the AoR (API No. 34013205860000; see well no. 1 location in Figure 20) provided core data in the Salina Group that could be used in the petrophysical analysis (Figure 53). These data come from the dolomitic layers in the Vernon (Units A and B), Syracuse (Unit F), Camillus (Unit G) and Bass Islands/Bertie. There are no data points from the actual salt layers. The permeability ranges from 0 to 2.45 md, averaging 0.3 md. These measurements are corroborated by the measurements from publicly available core analyses (Table 14). Porosity and permeability data from the Stark County well did not have corresponding logs and therefore could not be used in the petrophysical analysis. Site-specific data collection from the CarbonSAFE stratigraphic test wells and during the pre-operational testing program will provide additional detail on the specific internal variability of the Salina Group.

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Claimed as PBI

2.5.2. Lockport Dolomite Group Injection Complex Petrophysical Analysis

Minimal core data were available for constructing a petrophysical model of the Lockport Dolomite Group. Four samples from two wells were available, of which the two from API No. 34013205860000 (Figure 20; see well no. 1 location in Figure 20) were used in the analysis. Given the paucity of data, geophysical well logs, including the gamma ray, bulk density, and neutron porosity logs, were used to build a petrophysical model and yield porosity estimates. Carter et al., 2010 provided nine porosity and permeability data points from the Lockport Dolomite Group from two wells, the Johnson #1 in Pennsylvania, and the Ocel #1 in Ohio (see well nos. 10 and 11 locations in Figure 20 and Table 2). This data set was used to model permeability as a function of porosity in the Lockport Dolomite Group.

The data set in this petrophysical analysis included a total of 13 sample points (four from the database and 9 from publications) through the Lockport Dolomite Group. To match the petrophysical model to core, one well (API No. 34013205860000) with geophysical well logs and core data was used, with two samples within the Lockport Dolomite Group.

Given our current best estimate approach, we utilized a basic three-mineral system to estimate the mineralogy of the Lockport Dolomite Group. The gamma ray curve provided insights into clay content, and in the absence of photoelectric factor logs, we employed a neutron-density cross plot to determine the relative abundance of calcite and dolomite. The model's results were considered reasonable and will be compared to results from pre-operational testing of the injection wells which will include mineralogic, porosity, permeability, and facies data. The carbonate lithology is variable throughout the Lockport Dolomite Group, as shown in Figure 54, and it is expected that the pre-operational testing program will add significantly to the understanding of the mineralogical system and its calibration to core, and the petrophysical model will be updated if significant changes are found from the current petrophysical model.

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Claimed as PBI

2.5.3. Rochester Shale Formation Confining Zone Petrophysical Analysis

The Rochester Shale Formation comprises two members, the lower Lewiston Member and the upper Burleigh Hill Member. Both members are predominantly mudstone with some more carbonate-rich sections (Figure 55). The mudstone packages of the lower and upper section are 46 ft and 194 ft thick, respectively, with local variation possible within a few feet. Porosity and permeability have been assigned to the Rochester Shale Formation based on log evaluation. Two different log evaluation approaches have been used to assess the porosity and permeability, focused on the mudstone sections. The porosity of both members is found to be approximately 1%, and using Yang and Aplin (2010), this yields a corresponding permeability of < 0.001 md, or < 2 md using Byrnes (2005).

The more carbonate-rich sections of the Rochester Shale Formation have marginally higher porosity and permeability than is seen in the mudstone sections, up to 0.3 md and 500 md using Yang and Aplin (2010) and Byrnes (2005), respectively. However, this permeability is still quite low and is not expected to be vertically or horizontally connected.

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Claimed as PBI

2.5.4. Medina Group Injection Complex Petrophysical Analysis

Nine wells with core data, including some combination of bulk density, grain density, porosity, water saturation, and permeability, were used to build the petrophysical models. The locations of these wells range from approximately 11 to 42 miles from the project area. Of the nine, only two wells, API Nos. 34019202560000 and 34013205860000 (12 and 44 miles from the project area, respectively), had geophysical well logs to test the fit of the model against core data. Based on geophysical well log response, the core data covered a gradient from low porosity silty mudstone/mudstone to higher porosity clean sandstone. The core data set did not include any mineralogy data.

Thirty-one wells (including the two wells with core data) had sufficient well log data over the Medina Group to produce and run a petrophysical model and estimate porosity and permeability. Data from the gamma ray and bulk density logs were used to calculate these parameters. Permeability calculations in the Medina Group were made using equations defined by Byrnes (2005) using data generated by Castle and Byrnes (1998, 2005) on the Medina Group in northwestern Pennsylvania.

The data set included a total of 428 sample points through the Medina Group section. To match the petrophysical model to core, two wells with geophysical well logs and core data were used, API No. 34019202560000 with 93 samples and API No. 34013205860000 with 7 samples across the Medina Group (Figure 56 see well nos. 2 and 1 locations, respectively, in Figure 21 and Table 2).

A basic two-mineral system was used to estimate the mineralogy of the Medina Group section. The gamma ray curve was used to estimate clay content and the balance was assigned to quartz. Such a model was able to adequately match porosity (and grain density) data where available, suggesting the assumptions of basic mineralogy are representative of the formation. Using this two-mineral system, the top of the section is notably less permeable and is estimated to have a higher clay content than the lower Medina Group, which is consistent with the core measurements from the two different parts of the section.

Mineralogic data will be collected from the CarbonSAFE stratigraphic test wells and during the pre-operational testing program at the injection locations to verify the model. The additional mineralogical detail collected during pre-operational testing will provide information about the variation in clay types and give insight into the likely impact on matrix behavior in the injection zone.

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Claimed as PBI

2.5.5. Queenston Shale Confining Zone Petrophysical Analysis

The Queenston Shale is a regionally extensive shale, which is also referred to as the Juniata Shale Formation (WV, PA, VA, NY) or the Sequatchie Formation (KY, TN). In the project area, the deposition coincides with transitional marine shales of the Queenston Shale and the subaerial facies of the Juniata Shale (heterolithic red mudstone with coarsening sandstones and conglomerates deposited in the transitional tidal flat to shoreface). The Queenston Shale is more than 1,500 ft thick in the project area, with generally low porosity and permeability associated with the shale members of the unit.

Few local core-based measurements of the Queenston Shale are available, with only one well (API No. 34013205860000; see well no. 1 location in Figure 21 and Table 2) having porosity and permeability reported (3% and 0 md, respectively). Nevertheless, the extensive thickness of the shale is expected to form a robust confining unit. Site-specific data collection from the CarbonSAFE stratigraphic test wells and during the pre-operational testing program will provide additional detail on the specific internal variability of the Queenston Shale and provide detailed petrophysical information on the different members.

Table 14: Core-based porosity and permeability measurements for confining and injection units. Locations and API nos. in Figure 19, Figure 20, Figure 21, and Table 2.

| Formation | Porosity (decimal) | no. pts. | Permeability (md) | no. pts. | Wells |
|----------------------------------|--------------------|----------|-------------------|----------|-------|
| Salina Group | 0.060 | 11 | 0.12 | 10 | 1 |
| Lockport Dolomite Group | 0.045 | 4 | 1.42 | 3 | 2 |
| Rochester Shale Formation | 0.060 | 1 | 0.00 | 1 | 1 |
| Medina Group | 0.048 | 412 | 9.99 | 272 | 15 |
| Queenston Shale | 0.030 | 1 | 0.00 | 1 | 1 |
| Knox Group | 0.054 | 380 | 39.92 | 273 | 7 |

2.5.6. Knox Injection Complex Petrophysical Analysis

The publication, Riley et al. (1993), was the primary repository for core data used in this model. The data set includes porosity, permeability, and grain density data from cores taken from four wells in Coshocton County, OH: API numbers 34031240920000, 34031226530000, 34031259620000, and 34031222680000, one well from Jackson County, OH: 34079201020000, and one test/monitoring well in Scioto County, OH that was never assigned an API number. Additional porosity to permeability relationships were modeled using data collected from full wellbore-diameter and rotary sidewall cores taken from a well in Carter County, KY: 16043001050000, and published in Bowersox et al. (2021).

The data set used to build petrophysical models of the Rose Run includes 380 porosity measurements, 273 permeability measurements, and 143 grain density measurements.

Lacking mineralogic and well log data from core wells, an average grain density was calculated from core data. Porosity was calculated using a standard equation of:

$$(\text{Grain Density} - \text{Bulk Density}) / (\text{Grain Density} - \text{Fluid Density}) \quad (\text{Equation 3}),$$

where bulk density came from the logs of interest, and a fluid density of 1.00 gm/cc was used.

Permeability was calculated using the relationship between porosity and permeability from both the Riley and Bowersox data sets. Since the two models yield slightly different results, the average of the two outputs was used in the petrophysical model.

This methodology was applied to geophysical well logs in the area of interest, which includes Coshocton County (the location of much of the Riley data set). Modeled outputs of porosity and permeability match reasonably well with the core data sets indicating that the model is sufficiently predicting the porosity and permeability of the Rose Run Sandstone (Figure 57). The average and maximum porosity from core data is 4.2 % and 14.9 % respectively, and their average and maximum porosity from the wells of interest is 5.6 % and 14.3 % respectively. The average permeability from core data is 10.5 md while the average permeability calculated from well logs is 32 md.

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2.5.7. Geomechanics

2.5.7.1. *Proposed Geomechanical Studies*

A series of geomechanical studies under the CarbonSAFE initiative will be conducted to address key questions regarding the geomechanical properties of the confining zone intervals. Cores collected from the stratigraphic test wells proposed for this program will provide measurements of rock strength and ductility for the confining zone intervals. The following geotechnical tests will be conducted on each confining zone interval:

- Triaxial compression – ductility;
- Triaxial compression – failure;
- Mohr-Coulomb criterion - failure envelope analysis; and
- Brazilian test - tensile analysis.

The stratigraphic test wells and core samples will also allow for detailed fracture analysis. Pore pressure of the confining zones and in situ local stress measurements will also be made available with the stratigraphic test wells.

2.5.7.2. *Regional Stress State*

Orientation of the maximum horizontal stress state in the region is available from a variety of data sets and compiled in the world stress map and regional studies of the Appalachian basin (Morris et al., 2017; Heidbach et al., 2018; Brudzinski and Kozlowska, 2019). The orientation of the maximum horizontal stress in central Ohio is generally ENE-WSW and exhibits a mix of tensors from focal mechanism solutions that place it in the strike-slip or thrust faulting regime (Morris et al., 2017). According to Morris et al. (2017), the combination of coexisting thrust-faulting and strike-slip faulting regimes indicates that the intermediate principal stress component (σ_2) is closer in magnitude to the minimum principal stress component (σ_3) than it is to the maximum principal stress component (σ_1), and that the stress difference ratio (ϕ) is less than 0.5, where:

$$\phi = (\sigma_2 - \sigma_3) / (\sigma_1 - \sigma_3) \quad (\text{Equation 4}).$$

2.6. Seismic History [40 CFR 146.82(a)(3)(v)]

The USGS ANSS (Advanced National Seismic System) Comprehensive Earthquake Catalog network was used to provide the historical seismicity record for the AoR locally and regionally (USGS, 2023). Regional historical seismicity was considered for a 50-mi radius around the approximate center of the AoR for a 40-year time period (extending from March 1983 to March 2024) with a magnitude greater than M2.5 (Figure 58) (USGS, 2023).

The project is located within an area of relatively low seismicity. In the AoR, there is no known source of natural seismicity that would compromise the containment of CO₂. The surrounding region of the northern tip of West Virginia, southeastern Ohio, and southwestern Pennsylvania has a very low risk of damaging seismic activity, while western Ohio lies on the edge of the New

Madrid Seismic Zone and the Anna Seismic Zone, and northeastern Ohio contains the Northeast Ohio Seismic Zone, both of which have increased activity (Dart and Hansen, 2008). However, very few of the earthquakes that have historically occurred are known to be associated with faults (Dart and Hansen, 2008). Pennsylvania has a very low risk of seismic activity, and southern West Virginia touches the outer edge of the Giles County Seismic Zone, though it is unlikely that it will have an effect on the project area (Figure 58 and Figure 59).

The USGS-published National Seismic Hazard Map shows the frequency of damaging earthquake shaking expected in a 10,000-year period (Figure 58). Based on this information, the AoR is considered to have the lowest risk of damaging earthquakes on the scale, with fewer than two expected within a 10,000-year period. The surrounding region also has a comparatively low risk of two to four damaging earthquakes expected within a 10,000-year period. According to the USGS, damaging earthquakes are identified as those that have a Modified Mercalli Intensity (MMI) of level VI (6) or higher. They are characterized by “strong” shaking and “*felt by nearly everyone, many awakened. Some heavy furniture moved; few instances of fallen plaster. Damage slight*” (USGS, 2023).

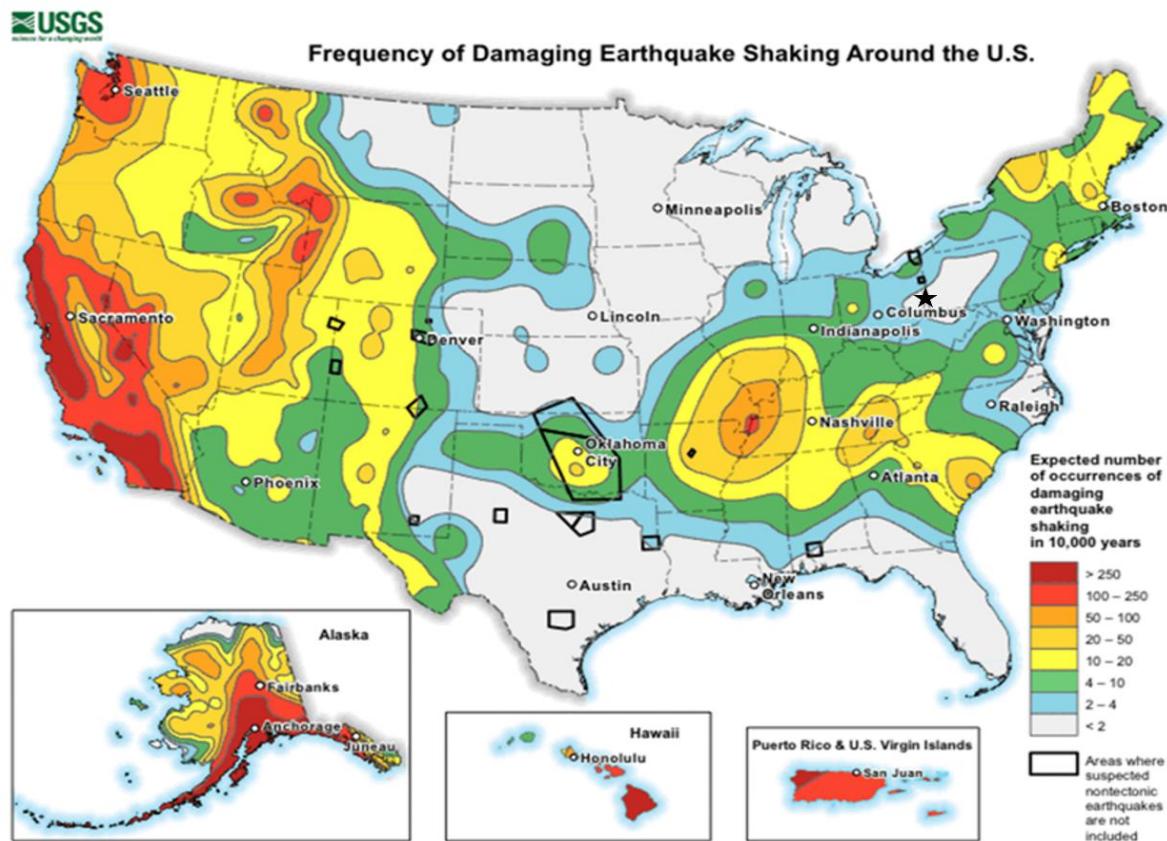


Figure 58: USGS Seismic Hazard Map, showing the frequency of damaging earthquake shaking within a 10,000-year period (Petersen et al., 2008). The project area is indicated by the star on the map in the tri-state region of West Virginia, Ohio, and Pennsylvania.

The Appalachian Basin of Eastern Ohio, where the project is located, is a region of low natural seismicity, with any earthquakes that do occur being of low magnitude. Peak ground acceleration (as a percentage of the gravity constant 9.8 m/s^2) with a 2% likelihood of being exceeded within a 50-year period is illustrated for the region in Figure 59. The peak ground acceleration for the project area is estimated to be 4 to 6 percent of gravity, which would correlate to a Modified Mercalli Intensity of IV-V (light to moderate shaking with limited damage to unstable or delicate objects).

Historically, the Northeast Ohio seismic zone, north of the AoR, has recorded few moderate earthquakes per decade, but felt earthquakes have been reported more frequently in recent decades, likely due to induced activity. The largest earthquake in this zone, with a magnitude of 5.0 on the Richter Scale (M5.0), occurred in 1986. This seismic event created Modified Mercalli intensities of VI in the region. Another damaging earthquake with M5.2 occurred in 1998 in northwestern Pennsylvania, just east of the border with Ohio (Dart and Hansen, 2008). Within 50 miles of the injection locations, there have been six earthquakes in the last 40 years (Figure 60). The location, magnitude, and distance from the AoR for each of these earthquakes is listed in Table 15.

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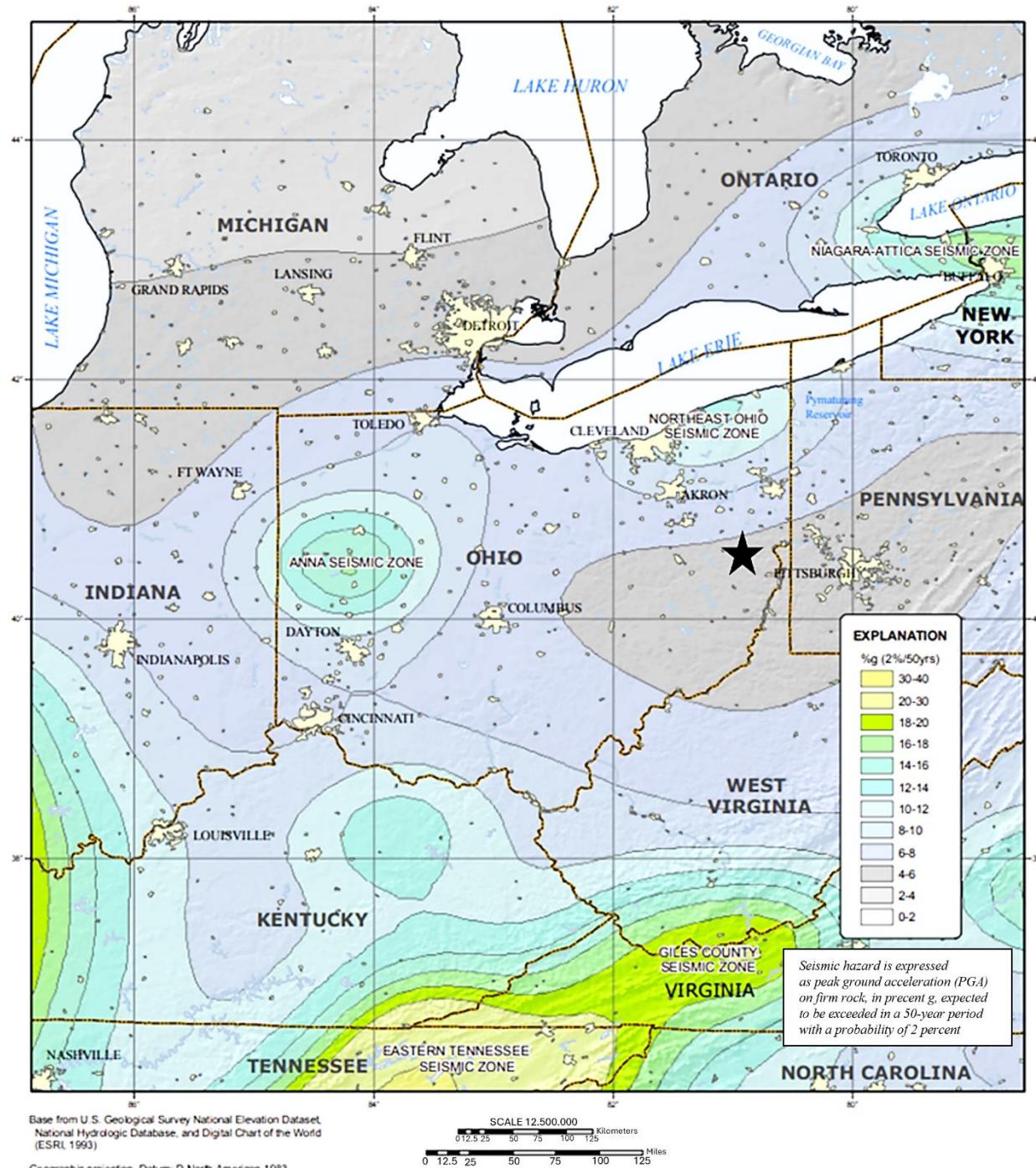


Figure 59: A Seismic Hazard Map of Ohio and nearby states from the USGS National Seismic Hazard Maps, showing the peak ground acceleration that has a 2% chance of being exceeded in 50 years. The project location is marked with a star on the map.

The Emergency and Remedial Response Plan (ERRP) includes information on conducting a formal risk assessment of potential risk scenarios, including microseismic events that could potentially be associated with industrial activities.

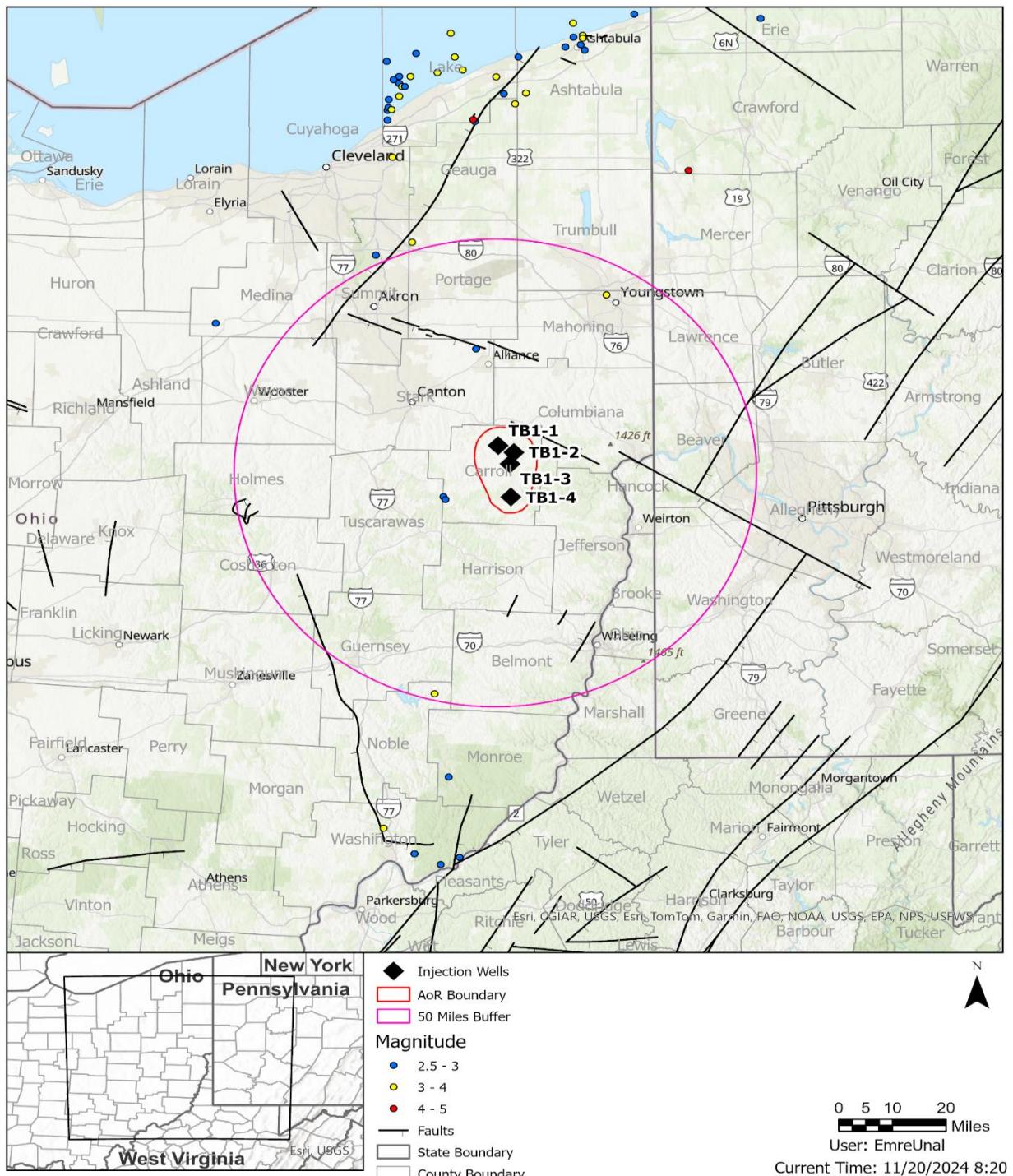


Figure 60: Local seismic events within 50 miles radius of the AoR

Table 15: Seismic events within 50 miles of the AoR over the last 40 years with a magnitude greater than M2.5 (USGS, 2024).

| Date | Latitude | Longitude | Depth (ft) | Magnitude | Distance to AoR (mi) |
|------------|----------|-----------|------------|-----------|----------------------|
| 11/19/2021 | 40.5121 | -81.2650 | 16,404 | 2.6 | 14.37 |
| 10/28/2021 | 40.5029 | -81.2577 | 16,404 | 2.6 | 14.19 |
| 12/31/2011 | 41.1215 | -80.6843 | 16,404 | 4 | 38.0 |
| 8/7/2000 | 40.9580 | -81.1510 | 16,404 | 2.9 | 21.6 |
| 5/17/2010 | 41.24 | -81.51 | 5,000 | 2.7 | 47.32 |
| 3/12/2007 | 41.28 | -81.38 | 5,000 | 3.7 | 47.303 |

Since the early 2010s, the Eastern Ohio area of the Appalachian Basin has experienced a significant increase in induced seismic activity, which has been linked with the operations associated with the intensification of unconventional gas extraction conducted in the basin (Skoumal, 2018; Brudzinski and Kozłowska, 2019), more specifically, hydraulic fracturing and the disposal of the wastewater associated with production from the Utica Shale (Skoumal, 2018). Several known occurrences of induced seismicity have occurred in and around Youngstown, OH, approximately 42 miles northeast of the AoR. This seismicity is concentrated in a corridor from eastern Ohio and into central West Virginia, which may be due to geologic variations in the subsurface or extraction operations.

Several regional studies have documented the importance of the proximity to Precambrian basement when considering the possibility of induced microseismicity as related to wastewater disposal wells and hydraulic fracturing. In general, the low permeability of the Precambrian basement rock as compared to the relatively higher permeability of fractured basement rocks and pre-existing faults is interpreted to be a key factor in the potential for fault reactivation (Morris et al., 2017). Additionally, the proximity to critically stressed and optimally oriented faults that are pre-existing in basement lithologies is thought to impact the likelihood of induced recordable seismicity (Skoumal et al., 2018). Considering these factors, Skoumal et al. (2018) suggests that injection within 3,280 ft, or 1,000 m, of basement has the greatest risk of inducing seismicity. The Medina Group injection complex, the shallow target in the project, is greater than 4,000 ft above the Precambrian basement rocks and, therefore, is not interpreted to be a risk for induced microseismicity. The Knox Group, however, is within that distance of the basement and near a basement rooted fault, though its extent is currently unknown. For this reason, further 3D seismic interpretation and regional and local geomechanical analyses will be performed for the CarbonSAFE site characterization to assess that risk. Construction of 3D kinematic and stress models will allow for the evaluation of the present-day and paleo stress states and their effect on fault and fracture stability and slip potential. Additionally, microseismic monitoring will be utilized, where appropriate, to assess and mitigate the induced seismicity risk through the duration of injection as noted in subsection 2.3 of the Testing and Monitoring Plan.

To date, there have been no known induced seismic events in northern Carroll Co., OH, and the historical seismicity record suggests that the proposed storage location is not in a seismically hazardous location. Thus, loss of containment due to seismicity is considered a low risk.

2.7. Hydrologic and Hydrogeologic Information [40 CFR 146.82(a)(3)(vi), 146.82(a)(5)]

The AoR is located within the Appalachian Plateau physiographic province, in the eastern part of the Tuscarawas River Watershed (HUC 8 subbasin 05040001) and western part of the Upper Ohio River (HUC 8 subbasin 05030101). The Tuscarawas River Watershed covers an area of approximately 2,595 square miles, and the Upper Ohio River covers approximately 3,540 square miles. Surface water features are the Tuscarawas River tributaries to the north and southwest within the county and the Ohio River tributaries to the east. Overall, the hydrology of the region is largely influenced by seasonal precipitation, snowmelt, and groundwater recharge.

The two types of groundwater sources in the area are the Quaternary Alluvial aquifers and the Lower Pennsylvanian and Upper Mississippian age sedimentary bedrock aquifers of the Appalachian Plateaus. The Quaternary Alluvial aquifers consist of clay, sand, silt, and unconsolidated gravel and are generally unconfined. The bedrock aquifers are generally confined and dip gently to the southeast, comprised of sandstones, conglomerates, siltstones, shales, limestones, clays, and coals (Collins, 1979). A stratigraphic view of the Appalachian Plateau near the AoR is shown in Figure 61, and a cross-sectional view is shown in Figure 25.

Bedrock aquifers are grouped into three units in this discussion: the Conemaugh Group, Allegheny Group, and Pottsville Group. Each of these units has various layers of aquifer and aquitard materials described further in the following subsections.

2.7.1. Hydrogeologic Description

U.S. EPA defines a USDW as having less than 10,000 ppm Total Dissolved Solids (TDS). Water quality samples from bedrock aquifers in the area are sparse and from shallow (<200 ft bgs) sampling points. None of these samples was found to exceed 10,000 ppm TDS. Thus, the determination of the lowermost USDW for the project was based on freshwater/saltwater interface mapping done by the ODNR in 2012 (Riley, 2012) and lithologic well logs from the ODNR water well database.

The following description of freshwater aquifers in the area, which comprise the USDWs, is explained from shallowest to deepest formation. This section describes the generalized stratigraphic section from the ground surface to the bottom of the Pottsville Group, considered to contain the base of freshwater and also defined as the lowermost USDW in the AoR. An illustration of this stratigraphic section is shown in Figure 62.

2.7.1.1. *Quaternary Alluvium*

The uppermost aquifer unit in the AoR is the unconsolidated quaternary alluvial deposits of the Ohio and Tuscarawas Rivers and their tributaries. This aquifer is the most productive unit in the area and has production rates from 100 to 500 gallons per minute in the outwash deposits of the Sandy Creek Valley. Average production rates decrease in the southeastern part of the county to <3 gallons per minute (Walker, 1991). Alluvium, consisting of stream-deposited or glacially deposited sand, clay, and gravel typically overlain by fluvial silts and clays, is found in the river terraces within the Ohio Valley. The thickness of the alluvium commonly ranges from 50 to 300 ft or greater throughout the state (Stout, 1943).

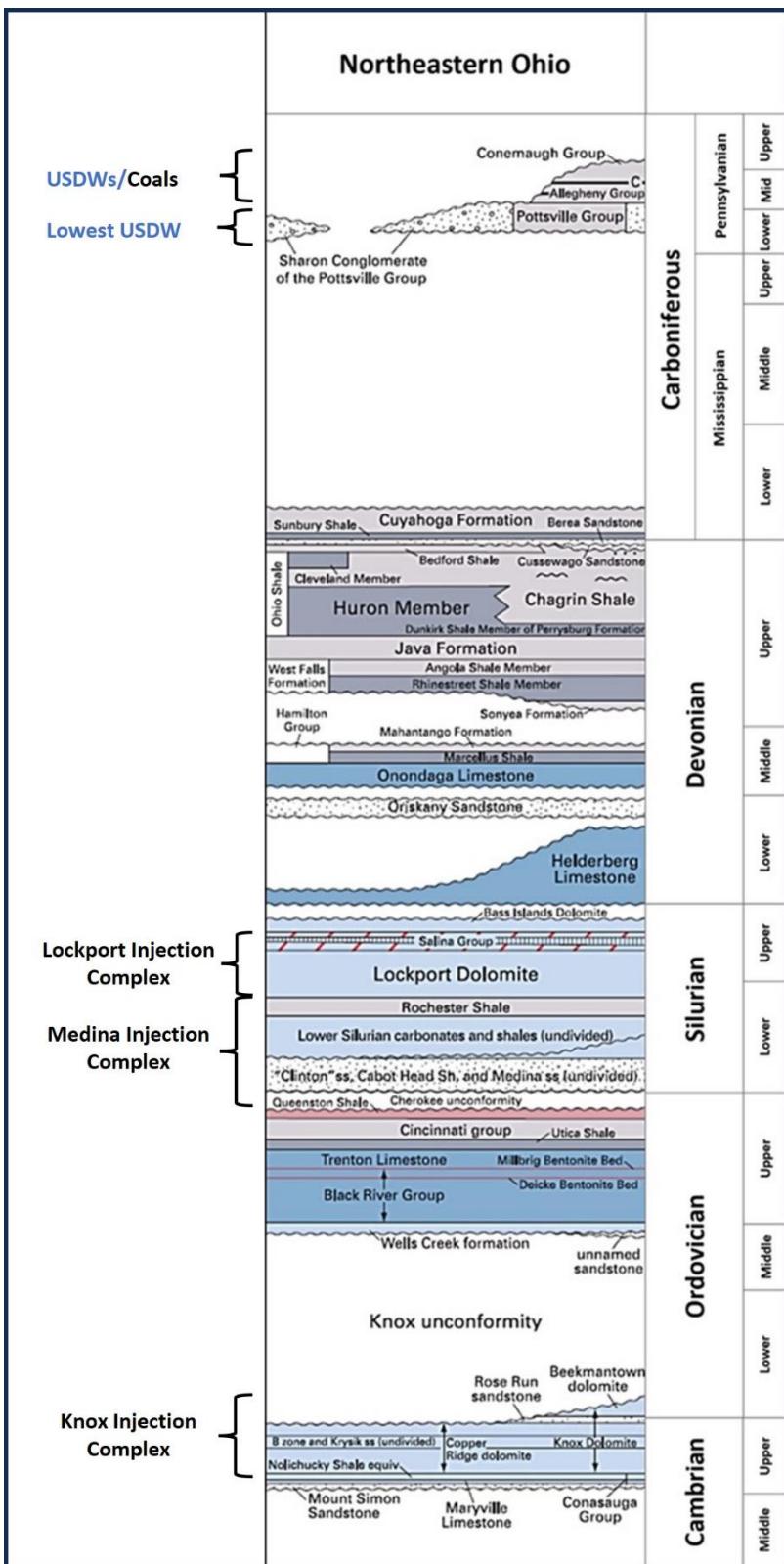


Figure 61: Conceptual stratigraphic column in area near the AoR. Adapted from USGS map (Ryder, 2012).

| System | Series | Stratigraphic Unit | Sub-Units | Notes | Lithology |
|---------------|--------|--------------------|---------------------|--------------------------|---|
| Pennsylvanian | Upper | Conemaugh Group | | Aquitard | Gray, green, brown and black shale, siltstone, and mudstone with minor limestone and coal |
| | Middle | Allegheny Group | | Aquifer | Gray to black shale, siltstone, sandstone, and conglomerate with minor limestone, clay, flint, and coal |
| | Lower | Pottsville Group | Homewood Sandstone | Aquifer | White to tan sandstone, with some shale lenses |
| | | | Massillon Sandstone | Aquifer | Gray-white sandstone |
| | | | Sharon Sandstone | Aquifer - Lowermost USDW | Gray-white to light red tan sandstone, with interbedded conglomerate zones |
| Mississippian | Upper | | | | Unconformity |
| | Middle | | | | |
| | Lower | Cuyahoga Formation | | Aquifer | Gray to brown shale with interbedded sandstone and siltstone |
| | | Sunbury Shale | | Aquitard | Shale |

Figure 62: Conceptual stratigraphic column from the AoR illustrating the freshwater aquifers and lowermost USDW. Please refer to Figure 30 for the full stratigraphic column.

2.7.1.2. *Conemaugh Group*

The Conemaugh Group is Upper Pennsylvanian in age and mainly consists of mudstones, sandstones, and shales with thin coals, clays, and limestones (Collins, 1979). The group is mostly non-marine in origin with some marine units, the Ames or Skelley Limestones, occurring in the lower portion of the group (Stout, 1944). The Conemaugh is present in southeastern Carroll County and absent in the northwestern area of the county (Branson, 1962). Incised valleys in the major drainageways expose the underlying Allegheny Group. The Conemaugh Group extends from the base of the Pittsburgh coal to the top of the Upper Freeport coal. The group also includes the Elk Lick and Mahoning coals and Ames and Brush Creek Limestones.

2.7.1.3. *Allegheny Group*

The Allegheny Group comprises sequences of sandstone, shale, freshwater and marine limestone, clay, and coal (Branson, 1962). The group is Middle Pennsylvanian in age and is known as a major coal bearing unit but is predominantly made up of sandstones (Stout, 1944). The Group includes the Freeport, Kittanning, and Brookville coals. The group extends from the top of the Upper Freeport coal to the top of the Homewood Sandstone. Within Carroll County, the thickness of this group ranges from approximately 200 ft in the southeast to 150 ft in the northwest (Branson, 1962).

2.7.1.4. *Pottsville Group*

The Pottsville Group averages around 260 ft in thickness and consists of predominantly sandstones, conglomerates, and shales, and thin layers of limestones, coals, and shales (Stout et al., 1943). This group includes the Homewood, Massillon, and Sharon formations.

The Pennsylvanian Sharon Sandstone at the base of the Pottsville Group was identified as the lowermost USDW within the AoR with a bottom elevation of approximately 600 ft amsl in the northwest to 150 ft amsl in the southeast (Riley, 2012). The Sharon Sandstone ranges from 10 to 250 ft in thickness and yields petroleum, natural gas, and brine in southeastern Ohio (Stout, 1944).

2.7.2. Groundwater Flow and Principal Aquifer Zones

Groundwater within the shallow Quaternary Alluvium generally flows from higher elevation to lower elevations, towards the major drainageways, ultimately discharging to the Ohio and Tuscarawas Rivers. Groundwater within the bedrock aquifer systems similarly flows from areas of higher elevation to areas of lower elevation, towards the major surface drainageways, but taking a longer and deeper path. The groundwater in these bedrock aquifers flows approximately perpendicular to local tributary streams, through an intricate network of stress-relief fractures and interconnected bedding-plane separations, commonly in a stair-step pattern (Wytrick, 1981). The groundwater within the bedrock likely discharges locally to surface water or may recharge to subregional or regional aquifers (Kozar, 2012). Nevertheless, enhanced permeability of bedrock in valleys, due to stress relief fractures, may result in groundwater flow parallel to and beneath local tributary streams before ultimately discharging to surface-water bodies (Kozar, 2012). The deeper bedrock aquifers usually contain much older water, which is usually brackish and has not been flushed by shallow groundwater circulation.

A potentiometric surface map of consolidated aquifers in Carroll County was obtained from the ODNR (Angle, 2006). This map regionally illustrates the potentiometric surface mirroring the topographic surface, where water flows from higher elevations to lower elevations in both the surficial alluvial aquifers and deeper bedrock formations. Figure 63 shows the generalized groundwater flow directions within the AoR.

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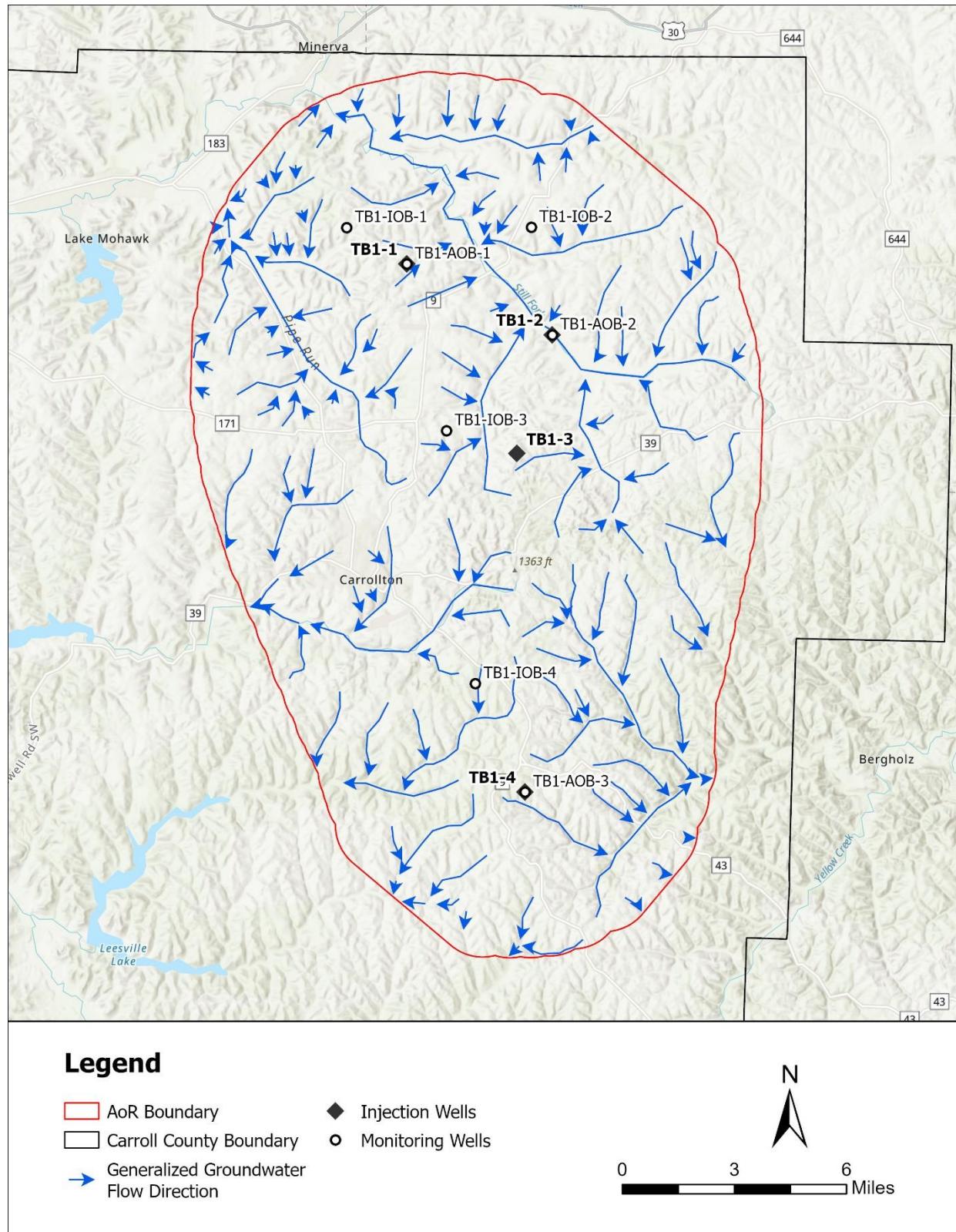


Figure 63: Generalized groundwater flow directions and monitoring and injection wells within the AoR.

2.7.3. Drinking Water Wells in the AoR

Water well completion records were obtained from the ODNR Water Well Database for wells within the AoR in Carroll County, Ohio, for a total of 3,294 records. A map showing the location of these wells is in Figure 64. It is important to note that these are counts of completion records, not active domestic wells, as some may be for monitoring wells or abandoned wells, or were never equipped with a pump. Of the 3,294 records obtained, 2,704 are characterized as drinking water wells, with 2,702 categorized as domestic wells and 2 categorized as municipal wells. Of the 3,294 records within the AoR, 380 records do not have a listed well use, and the remaining 2,914 records are categorized as abandoned, agriculture/irrigation, commercial, dewatering, dry/no water, frac water, heating/cooling, industrial, monitoring, other, public/semi-public, sealed, or test wells. The 2,702 domestic well records within the AoR have depths ranging from 15 to 459 ft bgs. The 2 municipal water wells have depths of 168 and 130 ft bgs. Median well depth for all water well records in the study area is 144 ft bgs. Table 16 summarizes the information contained within these well records, and **Appendix A** contains detailed information on each well record within the AoR.

Table 16: Summary of water well records within the AoR.

| Well Use | Number of Wells | Average Total Depth (ft) | Average Static Water Level (ft) |
|------------------------|-----------------|--------------------------|---------------------------------|
| Abandoned | 1 | 80 | -- |
| Agriculture/Irrigation | 86 | 200 | 79 |
| Commercial | 4 | 162 | 67 |
| Dewatering | 1 | 200 | 69 |
| Domestic | 2,702 | 156 | 75 |
| Dry/No Water | 4 | 283 | 192 |
| Frack Water | 1 | 400 | 87 |
| Heating/Cooling | 6 | 142 | 5 |
| Industrial | 6 | 208 | 73 |
| Monitor | 75 | 87 | 57 |
| Municipal | 2 | 149 | 26 |
| Other | 5 | 180 | 70 |
| Public/Semi-Public | 17 | 244 | 81 |
| Sealed | 1 | 15 | 4 |
| Test Well | 3 | 146 | 40 |
| Unclassified | 380 | 145 | 73 |

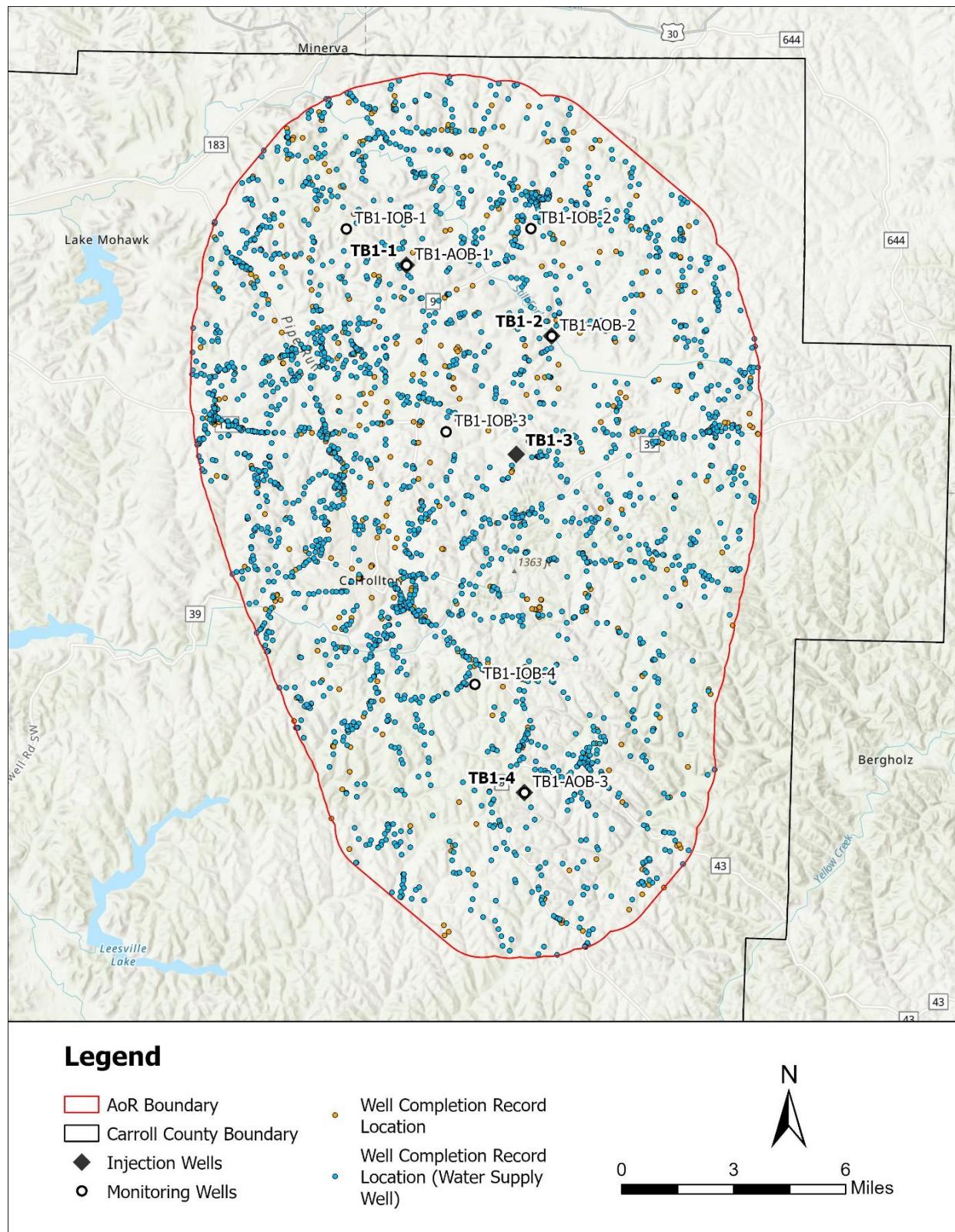


Figure 64: Location of groundwater, monitoring, and injection wells within the AoR.

2.7.4. Water Quality in the AoR

Water quality within the AoR varies with depth and geologic formation. The OEPA divides the state's aquifers into categories to characterize groundwater quality in major aquifers throughout Ohio. Major aquifer types are mapped from ODNR glacial and bedrock aquifer maps (ODNR, 2000). Sand and gravel buried valley aquifers near the surface and sandstone aquifers lie within the AoR. Data collected over a span of 40 years up until 2015 as part of the Ambient Ground Water Quality Monitoring Program (AGWQMP) consists of approximately 164,000 inorganic groundwater quality samples from 282 active wells across Ohio (OEPA, 2015). The data for select chemical constituents is summarized in Table 17.

Wells are more commonly affected by bacterial contamination than any other type of contamination in Ohio (Swisshelm and Lane, 1987). The primary source of groundwater bacterial contamination is from onsite sewage systems, mostly septic tanks (Palmstrom, 1984). Data collected by the Ohio Department of Health from 1974 through 1985 included 177,366 samples from private wells and 217,185 samples from public wells analyzed for total coliform. Approximately 28 percent of water samples from private wells (OEPA, 1981) and 8 percent of samples from public wells contained coliform bacteria (OEA, 1980). Additionally, volatile organic compounds (VOCs) and nitrates have been detected in AGWQMP wells. The detection rate for VOCs in groundwater is low at 506 detections from 172,077 analyses. Average nitrate and nitrite values were measured at 0.77 mg/L for sand and gravel aquifers and 0.48 mg/L for sandstone aquifers (OEPA, 2015).

Previous mapping by the ODNR showed the elevation contours of the base of the deepest USDWs in Ohio using other published reports (Riley et al., 2012). This map indicates that the fresh-saline groundwater interface in northern Carroll County occurs in the basal Pennsylvanian Sharon Sandstone from around 150 ft to 600 ft amsl. The USDW map contours exclude the southern part of Carroll County because, "The lenticular, braided, intertwining nature of these deposits prohibits reliably naming and mapping a lowest USDW across any appreciable portions of this [the southeastern part of Ohio]" (Riley et al., 2012).

Increased groundwater residence time generally results in increased mineralization and salinity of the groundwater, depending on mineral solubility within the aquifer. The median well depth for the AGWQMP wells in the sand and gravel aquifers is approximately 90 ft (n=194), and the median depth in the sandstone aquifers is around 220 ft (n=39) (OEPA, 2015). Groundwater wells located in the sand and gravel buried valley aquifers typically have higher TDS, alkalinity, and pH than wells in the sandstone aquifers. Alkalinity, pH, TDS, Sodium (Na), and chloride (Cl) concentrations increase with well depth, while magnesium and calcium decrease. Groundwater in most of Ohio has a dominant calcium bicarbonate composition (Stein, 1974). Southeastern Ohio is characterized by shallow aquifers and coal deposits with calcium magnesium bicarbonate water type (Swisshelm and Lane, 1987).

Table 17: Ambient Ground Water Quality Monitoring Program (AGWQMP) data summary of select constituents from active wells by major aquifer as of July 2015 (OEPA, 2015).

| Parameter and Units | Major Aquifer | Mean Value | Median Value | Number of Samples |
|---|-----------------|------------|--------------|-------------------|
| Chloride (mg/L) | Sand and Gravel | 40.6 | 32 | 4,046 |
| | Sandstone | 54 | 31.9 | 778 |
| Hardness, Total as CaCO ₃ (mg/L) | Sand and Gravel | 347 | 352 | 3,524 |
| | Sandstone | 213 | 214 | 702 |
| Iron, Total (µg/L) | Sand and Gravel | 1,188 | 687 | 4,053 |
| | Sandstone | 1,348 | 335 | 779 |
| Manganese, Total (µg/L) | Sand and Gravel | 195 | 121 | 3,971 |
| | Sandstone | 225 | 89 | 774 |

2.8. Geochemistry [40 CFR 146.82(a)(6)]

2.8.1. Baseline Fluid Chemistry

Average salinity was calculated and initial fluid chemistry data were collected from the USGS Produced Water Database for the USDWs, the injection zones, and the confining zones and are shown in Table 18 and Table 19 (Blondes et al., 2019). The database was filtered to include regional data from the states of Ohio, Pennsylvania, eastern Kentucky, and West Virginia (Figure 65). Anomalous and outlier data points were investigated to determine validity, and in some cases, these data points were removed from the dataset due to their high uncertainty.

The determination of the lowermost USDW for the project relied on freshwater/saltwater interface mapping conducted by the ODNR (Riley, 2012) and lithologic well logs from the ODNR water well database. Water quality samples discussed in subsection 2.7.4 from bedrock aquifers in the AoR are primarily from shallow sampling points (< 200 ft TVD below ground surface) while average TDS calculations in this section are from regional averages with depths > 1000 ft TVD, which accounts for the increase in average calculated TDS for these shallow intervals. Fluid samples will be acquired during the construction of injection wells as part of the Pre-Operational Testing Plan as well as during the construction of the CarbonSAFE stratigraphic test wells to validate or update these data.

The USGS sampling data indicate that the Lockport Dolomite Group (uppermost, secondary injection zone) has an average TDS of 264,717 mg/L, whereas the Salina Group (uppermost, secondary confining zone) averages 256,156 mg/L. No TDS measurements were available for the Rochester Shale, and the calculated average TDS of the Medina Group (primary, middle injection zone) is 266,865 mg/L. TDS measurements for the Queenston Shale (Juniata Fm.) in the project area were unavailable, but in the state of New York, the average salinity is recorded at 216,383 mg/L. The KIC (primary, lowest injection zone), including the Beekmantown Dolomite and Rose Run Formation, have an average TDS > 300,000 mg/L (Table 18). The brines of the intended injection complexes and USDWs are predominantly Na⁺ and Cl⁻ with secondary Ba²⁺, HCO₃⁻,

Ca^{2+} , K^+ , Mg^{2+} , and SO_4^{2-} . For reference, initial fluid chemistry data collected from the USGS National Produced Waters Geochemical Database for the USDWs, the injection zones, and the confining zones are shown in Table 19Table 19.

Table 18: Regional Total Dissolved Solids (TDS) data for the Primary and Secondary injection complexes. There are no data for the Rochester Formation, and data from the Queenston Shale are described in the text above.

| Total Dissolved Solids | | | |
|---|----------------------------|-------------------|------------|
| Formation Type | Formation | TDS (mg/L) | n = |
| Upper Confining (LIC - secondary) | Salina Group | 256,156 | 12 |
| Upper Injection (LIC - secondary) | Lockport Dolomite Group | 264,717 | 11 |
| Middle Injection (MIC - primary) | Medina Group | 266,865 | 376 |
| Lower Confining/Injection (KIC - primary) | Beekmantown Dolomite | 379,676 | 1 |
| Lower Injection (KIC - primary) | Rose Run Sandstone | 320,833 | 13 |
| USDW | Conemaugh Group | 22,008 | 6 |
| USDW | Allegheny Group | 15,825 | 2 |
| USDW | Pennsylvanian (undiff) | 36,421 | 6 |
| Lowermost USDW | Pottsville Group/Salt Sand | 71,394 | 172 |
| Formation below Lowermost USDW | Greenbrier Formation | 156,678 | 10 |

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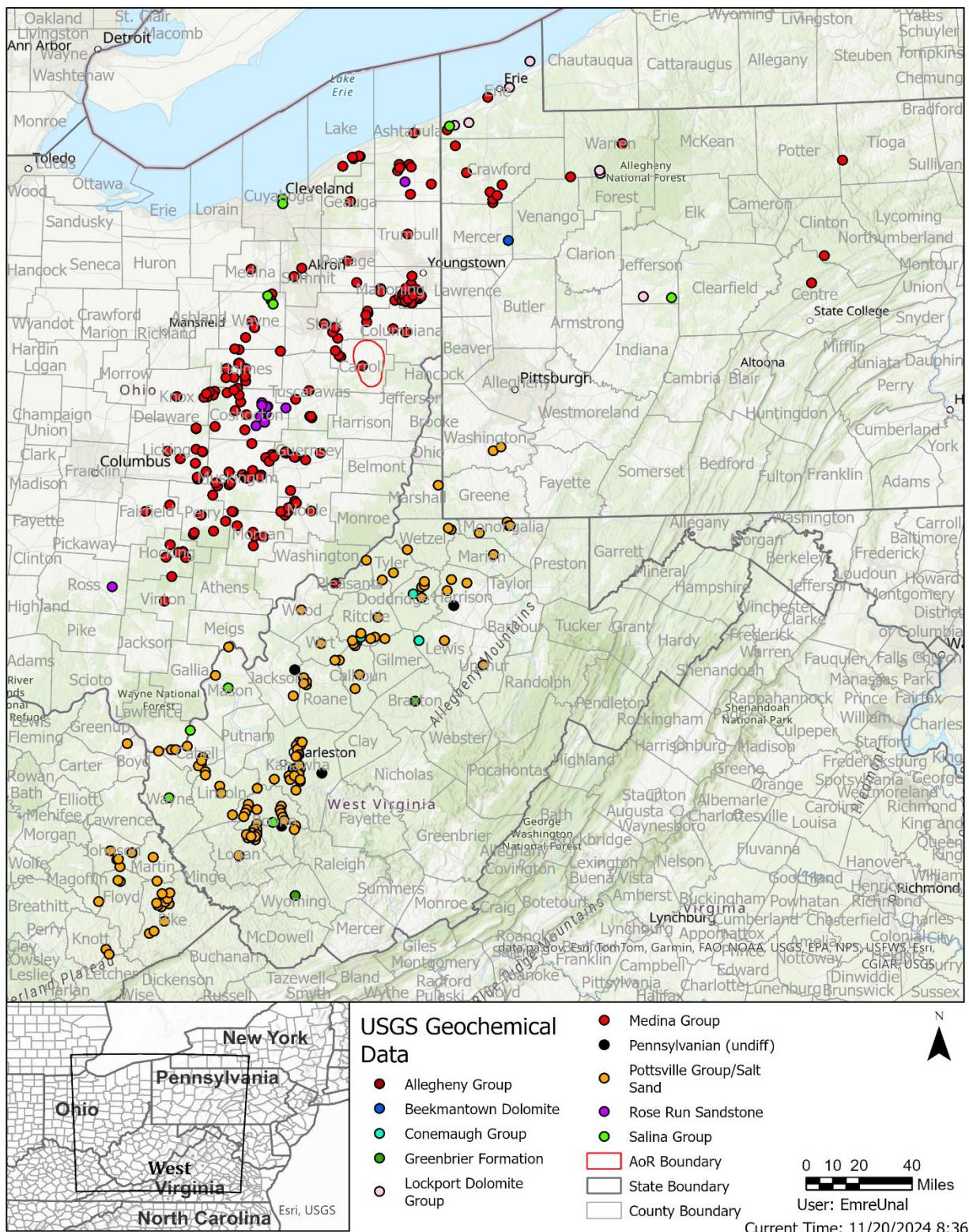


Figure 65: Location map of regional baseline fluid chemistry data from the USGS National Produced Waters Geochemical Database (2019).

Table 19: Regional Baseline Fluid Chemistry data for the primary and secondary injection complexes (upper table) and USDWs (lower table) from USGS (National Produced Waters Geochemical Database, 2019).

| Parameter/Constituent | Baseline Fluid Chemistry (mg/L) | | | | |
|-------------------------------|---------------------------------|-----------|------------------------|-----------------------|-----------|
| | Upper (LIC - secondary) | | Middle (MIC - primary) | Lower (KIC - Primary) | |
| | Salina | Lockport | Medina | Beekmantown | Rose Run |
| pH | 6.1 | 6.56 | 5.53 | 1.21 | 5.46 |
| Ba ²⁺ | 700 | -- | 22.2 | -- | -- |
| HCO ³⁻ | 211.3 | 98.9 | 91.3 | 208.0 | 80.7 |
| Ca ²⁺ | 1,7296.5 | 2,5202.5 | 33,238.1 | 52,889.0 | 43,000.1 |
| Cl ⁻ | 158,758.5 | 143,949.4 | 164,034.6 | 232,741.0 | 208,059.7 |
| K ⁺ | 3,438.1 | 2,930.7 | 1,637.8 | -- | 4,169.1 |
| Mg ²⁺ | 3,012.2 | 4,907.0 | 4,055.8 | 6,100.0 | 6,479.9 |
| Na ⁺ | 76,927.0 | 71,421.2 | 59,121.6 | 78,824.0 | 68,138.0 |
| SO ₄ ²⁻ | 1,971.8 | 647.6 | 409.4 | 93.0 | 417.7 |

| Parameter/Constituent | Baseline Fluid Chemistry (mg/L) | | | | |
|-------------------------------|--------------------------------------|-----------------|------------------------|---|------------|
| | Underground Source of Drinking Water | | | | |
| | Conemaugh Group | Allegheny Group | Pennsylvanian (undiff) | Pottsville Group/ Salt Sand (Lowest USDW) | Greenbrier |
| pH | -- | -- | -- | 6.9 | -- |
| Ba ²⁺ | 53.3 | 40.0 | -- | 382.2 | -- |
| HCO ³⁻ | -- | -- | -- | 211.0 | 68.5 |
| Ca ²⁺ | 1,070.0 | 250.0 | 1,358.0 | 5,161.4 | 13,631.7 |
| Cl ⁻ | 13,055.0 | 9,345.0 | -- | 42,878.1 | 96,744.4 |
| K ⁺ | 62.4 | 45.0 | 15,762.0 | 490.8 | 414.8 |
| Mg ²⁺ | 295.3 | 185.5 | 97.0 | 1,066.3 | 3,192.0 |
| Na ⁺ | 6,758.8 | 5,825.0 | 374.0 | 19,770.0 | 41,177.4 |
| SO ₄ ²⁻ | 45.2 | 167.5 | 8,134.0 | 35.9 | 524.6 |

2.8.2. Fluid-Rock Interactions

A literature review was conducted to evaluate the potential for reactivity between the fluid and solid phases during injection into the LIC, MIC, and KIC. There are no studies on the injection intervals for the LIC and MIC, so analog studies were reviewed based on the mineralogy of the intended injection complexes discussed in subsection 2.4 of this Application Narrative.

2.8.2.1. Lockport Injection Complex

There are currently no studies investigating the fluid-rock reactivity of the Lockport Dolomite. Wang et al. (2013) investigated the reactivity of the mineral dolomite ($\text{CaMg}(\text{CO}_3)_2$) with water-saturated CO_2 in a series of laboratory experiments performed at 55 and 110 °C to mimic reservoir conditions and at 220 °C to accelerate the reactions at laboratory time scales. Wang concluded that dolomite exhibits no reaction with anhydrous supercritical CO_2 but dissolves and precipitates carbonate minerals when exposed to water-saturated supercritical CO_2 . The main drivers for the morphology and composition of the mineral precipitates are temperature and reaction time, though heterogeneity in dolomite mineralogy was not studied. Further, mineral dissolution and precipitation could have an effect on the hysteresis of drainage and imbibition, rock wettability, and capillary pressure, which affect the flowability and trapping of CO_2 . The magnitude of these effects was not measured in the study.

2.8.2.2. Medina Injection Complex

Minimal quartz chemical dissolution and subsequent porosity changes due to CO_2 injection are expected in the MIC during the life of the project. Mineralogical analysis, discussed in subsection 2.4.3.2 of this Application Narrative, suggests few reactive minerals and cements in the MIC. Feldspars and pyrite are minor constituents, and XRD measured trace amounts of carbonate present in the formation that are unlikely to significantly alter the reservoir matrix during the project. Literature suggests some variability in the cement type and variable interstitial shale beds, so there is the possibility of the presence of reactive minerals (see subsection 2.4.2.2 of the Application Narrative). To date, no work has been performed to model the reactivity of the Medina sandstones with supercritical CO_2 . Future testing to address this uncertainty is discussed below.

2.8.2.3. Knox Injection Complex

Zerai et al. (2005) modeled the equilibrium and kinetic reactions of the Rose Run Sandstone mineralogy and brine under no-flow conditions. Equilibrium modeling highlighted the critical role of albite, K-feldspar, and glauconite dissolution, with siderite and dawsonite precipitation, in CO_2 mineral trapping in the Rose Run. The dominant precipitated minerals were quartz, muscovite, and microcline, which have opposing negative and positive effects of lowering the injectability or improving sealing capacity. These results are sensitive to both the brine composition and site-specific mineralogy, in addition to temperature and CO_2 fugacity. The kinetic modeling indicated that solubility trapping was key over short timescales, and CO_2 mineral trapping was significant over longer (100,000 years) timescales. The modeling showed that the mineralogy of the Rose Run Sandstone is suitable for significant mineral trapping of CO_2 , though the reactions are sensitive to the brine-rock ratio, CO_2 pressure, and the reaction rates. Further modeling for the project will be performed upon site-specific data collection.

2.8.3. Planned Testing and Modeling

The data utilized for evaluating geochemical interactions within the Lockport Dolomite, the Medina Group, and the Rose Run Sandstone (Knox Group) siliciclastic reservoirs are regional and not specific to the project area. Consequently, following the completion of pre-operational testing

and logging and data collection for the CarbonSAFE stratigraphic well, it will be determined if reactive transport modeling should be conducted.

Tri-State CCS, LLC will acquire whole core and sidewall core samples from the proposed injection zones to determine the petrophysical and mineralogical properties of the LIC, MIC, and KIC (see Pre-Operational Testing Program). Mineralogical analysis will determine the type percent composition of potentially reactive minerals within the Lockport Dolomite Group, the Medina Group siliciclastics, and the Knox Group at the proposed injection locations.

Tri-State CCS, LLC also plans to gather fluid samples from the injection zone and shallower zones to establish a baseline geochemical description of reservoir fluids. Collected fluid samples are planned to be used to develop synthetic brine compositions to run core flooding studies to assess possible interactions between injected CO₂, reservoir matrix, and in-situ brine. Fluid samples will allow pre- and post- CO₂ injection analysis to determine the changes in brine chemistry, which can be compared with reservoir samples subjected to geochemical testing to assess changes in the rock matrix. If Tri-State CCS, LLC determines geochemical changes to reservoir rock or fluids are prominent as concluded from these tests, a reactive transport model will be built and coupled with the current reservoir model to assess long term fate of injected CO₂ as it is related to mineralogical changes in the reservoir.

2.9. Site Suitability [40 CFR 146.83]

Based on all available data and research presented in this Application Narrative, the project area meets the suitability requirement outlined in the regulations for CO₂ injection. The LIC consists of the Salina Group as the upper confining zone, the Lockport Dolomite as the injection target, and the Rochester Shale, which acts as the lower confining unit for the Lockport Dolomite and the upper confining unit for the MIC. The remainder of the MIC consists of the Medina Group sandstones as the lower injection target and the Queenston Shale as the lower confining unit. The KIC consists of the Wells Creek Formation as the upper confining zone, the Knox Dolomite: consisting of the Copper Ridge Dolomite, Rose Run Sandstone, and Beekmantown Dolomite as the injection target, and the Conasauga Group as lowest confining unit.

The Lockport Dolomite is laterally continuous, averages 300 ft in thickness, and is lithologically variable. It exhibits seven main facies types: (1) mixed intertidal to supratidal dolomite (with a mixed gray biostromal subfacies), (2) interreef or interbioherm dark dolomite, (3) grainstone - shoals, banks, reef flanks, and inter-reef sediments, (4) biohermal dolomite (reefs, bioherms and patch reefs), (5) subtidal crinoidal dolomite, (6) quartzose dolomite associated with barrier island, and (7) shallow subtidal shaly dolomite. The reservoir quality is linked to both the initial depositional facies and diagenetic alteration, which can either occlude or enlarge pores. This variability results in reported ranges of porosities from 1 to 9% and permeabilities of < 0.01 md to 55 md. Wireline logs, core, and petrophysical evaluation from wells in the nearby subsurface resulted in an average model porosity of ~6% and an average permeability of ~1 md.

The MIC is a series of interbedded sandstones, shales, and siltstones, with minor carbonates. They were shed from the Taconic highlands, in a fluvial-deltaic to shallow marine environment, recording 3-4 marine incursions and a sea-level change, as evidenced by the different sand intervals. The sandstones vary in quality due to quartz cementation. Reported porosities range from

2 to 23%, and permeabilities range from 1 md to 40 md, with some oil fields reporting as high as 200 md. In the project's model domain, the average porosity is ~5%, and average permeability is 8 md.

The KIC consists of thick well-cemented carbonates with discrete, but traceable zones of porosity and permeability, and fine to medium grained quartzose to subarkosic, moderate to well sorted sandstone with dolomitic cement. Framework grain analysis of the Rose Run indicates it is mostly Quartzarenite and Subarkose with a composition that is mostly Quartz with secondary cementation. Porosity was found as high as 16.8% in sandstone facies, with intervening dolomitic sandstones closer to 5%. Measured permeabilities range from 70 md to as low as 0.001 md.

Static modeling and simulation of the project area resulted in an average range of total injection volume in the four proposed wells of 3.3 to 8.8 MMt CO₂ in the KIC for the first 30 years of injection and 1.3 to 2.0 MMt CO₂ in the MIC for the second 30 years of injection. Due to the low porosity and permeability in the nearby area, the CO₂ plume does not migrate far from the injection site (~ 1.5-mile radius) during the injection period and the following 50-year PISC period. Using the US-DOE-NETL methods, it was calculated that the LIC has the potential to be able to sequester P10:102.1, P50: 247.6, P90: 461.2 MMt of CO₂. The MIC has the potential to be able to sequester P10: 71.5, P50: 221.1, P90 526.4 MMt of CO₂. The Rose Run Sandstone of the KIC has the potential to be able to sequester P10: 6.8, P50: 21.8, P90: 53.9 MMt of CO₂. Detailed local reservoir characterization from the CarbonSAFE stratigraphic test wells will de-risk the current uncertainties, and data collection from the pre-operational testing for the injection wells will narrow the uncertainty range prior to injection.

Literature review and regional well log analysis indicate the project's confining zone will provide long-term containment of CO₂. The upper confining zone, the Salina Group, consists of laterally extensive, tight dolomites and thick bedded salts and anhydrites across multiple states. This interval is >1000 ft thick in total with a >120 ft thick F4 salt, locally, and has acted as a barrier with two distinct geochemical fingerprints between the petroleum systems younger than the Salina Group and those older than the Salina Group. The Rochester Shale, which sits above the MIC and below the LIC, is >300 ft thick, laterally continuous throughout the region, and reported as impermeable (1×10^{-6} md). The Queenston Shale has a thickness >1,000 ft, has been measured as impermeable, and is laterally continuous across the basin. The Wells Creek Formation is laterally continuous in the region and has acted as a seal to stratigraphic oil and gas accumulations in the underlying units to the east of the project area. Additionally, the Conasauga is laterally continuous, thick, and with sufficient low porosity and permeability (<3%; 1×10^{-6} md) to be a competent basal seal to the Knox Group. These confining zones and their historical longevity are robust indicating that secondary confining zone identification is unnecessary.

No faults were identified though 2D seismic interpretation, or literature search, that offset the Salina Group or create leakage pathways to the lowermost USDW. There are, however at least 394 confirmed legacy oil and gas wells that penetrate the caprock within the AoR as seen in Figure 55 of subsection 4.1 of the Area of Review and Corrective Action Plan. These wells are addressed in the plan, along with those wells without depth data, to ensure that the legacy wells are not conduits for potential leakage.

Literature review of the fluid chemistry, injection and confining zone mineralogy, and analogs for the injection complexes suggest that the siliciclastic intervals will have minimal reaction with the injected CO₂. Laboratory analysis of anhydrous CO₂ interaction with dolomite suggests no reaction, but dolomite dissolves and alternate carbonate minerals precipitate when the CO₂ is water saturated. The rate and magnitude of these reactions will be evaluated in the future CarbonSAFE site characterization and pre-operational testing for these systems. Surface and well infrastructure materials are being designed using CO₂ compatible materials and techniques, and the proposed CO₂ stream is dry (>95% CO₂); thus, no adverse interactions are anticipated. Corrosion testing prior to construction will take place to confirm material compatibility.

3. Summary of Other Plans

3.1. Area of Review and Corrective Action Plan

The information and files submitted in the Area of Review and Corrective Action Plan satisfy the federal requirements of 40 CFR 146.84. This plan addresses how the project AoR is delineated and uses corrective action techniques to address all deficient artificial penetrations and other features that compromise the integrity of the confining zones above the injection zones. The AoR encompasses the entire region surrounding the project's injection wells where USDWs may be endangered by injection activity.

The computational model describes modeling of the subsurface injection of CO₂ into the KIC and MIC at the project injection wellsites. The STOMPX-CO₂ simulator was used to assess the development of the CO₂ plume, the pressure front, and the long-term outcome of the injected CO₂. Simulation indicated that the maximum extent of the pressure front will be larger than the maximum extent of the CO₂ plumes over the lifetime of the project. Therefore, the AoR for the project is defined as the maximum extent of the threshold pressure front (333 psi for the Rose Run Sandstone), which occurs at the end of 30 years of injection into the KIC, with an additional 1-mile buffer to account for uncertainties in the subsurface data. This plan details the computational modeling, assumptions that were made, and site characterization data that the model was based on to satisfy the requirements of 40 CFR 146.84(c).

A public record search identified 904 existing oil and gas wellbores and 3,294 known water wells within the AoR. Per 40 CFR 146.82(a)(4), wells that penetrate the injection or confining zone within the AoR must be tabulated. None of the water wells penetrate the injection or confining zones, but there are at least 20 oil and gas wellbores that may penetrate the upper confining unit for the KIC and at least 408 oil and gas wellbores that may penetrate the upper confining unit for the MIC within the AoR. Depth data was not available for 110 of the oil and gas wellbores identified in the record search. Tri-State CCS, LLC proposes a sequential corrective action and monitoring strategy based on temporal evolution of the threshold pressure boundary for the active zone, beginning prior to injection and ending in the 55th year of injection.

Tri-State CCS, LLC will review the AoR annually during the injection phase and once every five years during the post-injection phase to ensure the initial model predictions are adequate for predicting the extent of the CO₂ plume and pressure front.

AoR and Corrective Action GSDT Submissions

GSDT Module: AoR and Corrective Action

Tab(s): All applicable tabs

Please use the checkbox(es) to verify the following information was submitted to the GSDT:

- Tabulation of all wells within AoR that penetrate confining zone *[40 CFR 146.82(a)(4)]*
- AoR and Corrective Action Plan *[40 CFR 146.82(a)(13) and 146.84(b)]*
- Computational modeling details *[40 CFR 146.84(c)]*

3.2. Financial Responsibility

Tri-State CCS, LLC has prepared the Financial Assurance Demonstration to comply with federal requirements at 40 CFR 146.85. The plan estimates costs of project activities and provides information on financial instruments that Tri-State CCS, LLC will use to demonstrate Financial Assurance for the following activities: (1) Corrective Action; (2) Injection Well Plugging; (3) Post-Injection Site Care; (4) Site Closure; and (5) Emergency and Remedial Response. The estimated costs of each of these activities are presented in Table 20 below.

Table 20: Cost Estimates for Activities to be Covered by Financial Responsibility.

| Activity | Approximate Timeline of Coverage | Total Current Cost Estimate |
|---------------------------------|----------------------------------|-----------------------------|
| Corrective Action | | |
| KIC Injection | 2027-2057 | \$26,802,750 |
| MIC Injection | 2057-2087 | \$35,255,925 |
| MIC Monitoring | 2057-2087 | \$ 5,276,250 |
| Injection Well Plugging | 2087-2092 | \$ 739,700 |
| Post-Injection Site Care | 2087-2137 | \$11,296,100 |
| Site Closure | 2137 | \$ 1,487,801 |
| Emergency and Remedial Response | 2027-2137 | \$35,066,334 |
| | Total | \$115,924,860 |

Tri -State CCS, LLC will execute a combination of financial instruments prior to construction of the injection wells. These financial instruments will cover the costs of one emergency leakage event as discussed in the Emergency and Remedial Response Plan, all of the costs of injection well plugging as discussed in the Injection Well Plugging Plan, all of the costs of corrective action as discussed in the Area of Review and Corrective Action Plan, and all of the costs of 50 years of PISC and site closure as discussed in the Post-Injection Site Care and Site Closure Plan.

Financial Responsibility GSDT Submissions

GSDT Module: Financial Responsibility Demonstration

Tab(s): Cost Estimate tab and all applicable financial instrument tabs

Please use the checkbox(es) to verify the following information was submitted to the GSDT:

Demonstration of financial responsibility **[40 CFR 146.82(a)(14) and 146.85]**

3.3. Injection Well Construction

The project's injection wells, TB1-1, TB1-2, TB1-3 and TB1-4, will be newly drilled and are designed to accommodate the mass of CO₂ that will be delivered to the project and the subsurface characteristics of the CO₂ injection intervals. Injection well construction is further described in the following plans that are part of this application: (1) Stimulation Program and (2) Construction Details for each injection well.

3.3.1. Proposed Stimulation Program

The Stimulation Program outlines the stimulation measures that the project may use to mitigate drilling-induced damage near the wellbore without interfering with containment, per 40 CFR 146.82(a)(9). It is expected to effectively clear the perforated interval of fines, perforation charge residue, and debris from cement or casing. Additionally, stimulation helps eliminate drilling mud filtrate and dissolved minerals present in the formation. This process is common, as the untreated presence of these elements can lead to elevated downhole injection pressures and reduced injectivity, underscoring the significance of thorough treatment. Specific stimulation fluids, additives, and diverters will be based on injection well site conditions from pre-operational testing results and the type of stimulation needed.

Additionally, treatment may be necessary to mitigate the precipitation of evaporite minerals in and near the well bore due to the high salinity of the injection formation fluids. The precipitation of these minerals reduces well injectivity, impacts pressure buildup by blocking pore space near the wellbore and reduces reservoir porosity and permeability. The current simulation data suggest that salt precipitation is not a problem for the proposed injection intervals over their respective 30-year injection periods; however, further modeling will be performed using additional data collected from the CarbonSAFE stratigraphic test wells planned in the region and pre-operational testing. The necessity for mitigation efforts will be re-evaluated at that time, prior to seeking authorization to inject.

At least 30 days in advance of proposed stimulation, Tri-State CCS, LLC will submit details to the UIC Program Director on the purpose of stimulation, procedures, and stimulation fluids to be used and their anticipated volumes and concentrations.

3.3.2. Construction Procedures

The Construction Details for each injection well describes the analysis conducted and proposed designs for injection wells TB1-1, TB1-2, TB1-3, and TB1-4 that ensure the prevention of the movement of fluids into or between USDWs, that allow the use of testing devices and workover

tools, and that allow continuous monitoring of the annulus space between the injection tubing and long string casing, in compliance with 40 CFR 146.86.

The well design for TB1-1 includes a 3.5-inch outer diameter (OD) tubing with 22Cr-110 grade duplex stainless steel (22Cr-110), a maximum injection rate of 0.5 MMt/y into the Knox Injection Complex (KIC) or Medina Injection Complex (MIC), and maximum wellhead pressures of 2,479 psig for the KIC or 1,751 psig for the MIC. The design features a 20-inch conductor casing set at 120 ft, a 13.375-inch surface casing at 803 ft, a 9.625-inch intermediate casing at 1,978 ft, and a 7-inch long-string casing reaching 9,061 ft, with sections of L80 grade steel (L80) and 22Cr-110. The Rose Run Sandstone injection interval will be perforated and isolated with a packer at 8,279 ft. Once the total planned injection volume into the KIC is achieved, the tubing and completion hardware will be retrieved, and the KIC injection zone will be plugged off with CO₂ resistant cement. Then Medina Group injection interval will be perforated and isolated with a packer at 5,531 ft. Injection modeling ensured suitability for tubing sizes, selecting 3.5-inch OD for efficiency. All casing strings except conductor, if driven, will be cemented to the surface using CO₂-resistant cement for critical zones. Tubing and completion hardware will be repurposed between injection intervals. Operational parameters and construction schematics for TB1-1, including perforation plans, are in Figures 12–15 of the Construction Details for TB1-1.

The TB1-2 well design incorporates 3.5-inch OD 22Cr-110 tubing, a maximum wellhead pressure of 2,524 psig for the KIC or 1,765 psig for the MIC, and a maximum injection rate of 0.5 MMt/y into either injection interval. The casing includes a 20-inch conductor set at 120 ft, a 13.375-inch surface casing at 765 ft, a 9.625-inch intermediate casing at 1,840 ft, and a 7-inch long-string casing at 9,249 ft. The Rose Run Sandstone injection interval will be perforated and isolated with a packer at 8,429 ft. Similar to TB1-1, once the total planned injection volume is achieved, the KIC injection zone will be plugged off with CO₂ resistant cement. Then, the Medina Group injection interval will be perforated and isolated with a packer at 5,589 ft. All casing strings except conductor, if driven, will be cemented to the surface using CO₂-resistant cement in critical zones. Tubing and completion hardware will be repurposed between injection intervals. Design details, including perforation and construction schematics for TB1-2, are in Figures 12–15 of the Construction Details for TB1-2.

The TB1-3 well design incorporates 3.5-inch OD 22Cr-110 tubing, a maximum wellhead pressure of 2,588 psig for the KIC or 1,837 psig for the MIC, and a maximum injection rate of 0.5 MMt/y into either injection interval. The casing includes a 20-inch conductor set at 120 ft, a 13.375-inch surface casing at 952 ft, a 9.625-inch intermediate casing at 2,027 ft, and a 7-inch long-string casing at 9,522 ft. The Rose Run Sandstone injection interval will be perforated and isolated with a packer at 8,685 ft. Similar to TB1-1, once the total planned injection volume is achieved, the KIC injection zone will be plugged off with CO₂ resistant cement. Then, the Medina Group injection interval will be perforated and isolated with a packer at 5,866 ft. All casing strings, if driven, except conductor will be cemented to the surface using CO₂-resistant cement in critical zones. Tubing and completion hardware will be repurposed between injection intervals. Design details, including perforation and construction schematics for TB1-3, are in Figures 12–15 of the Construction Details for TB1-3.

The TB1-4 well design utilizes 3.5-inch OD 22Cr-110 tubing, a maximum wellhead pressure of 2,655 psig for the KIC or 1,882 psig for the MIC, and a maximum injection rate of 0.5 MMt/y into

either injection interval. The casing program includes a 30-inch conductor set at 120 ft, an 18.625-inch mine string at 548 ft, a 13.375-inch surface casing at 1,101 ft, a 9.625-inch intermediate casing at 2,001 ft, and a 7-inch long-string casing at 9,840 ft. The Rose Run Sandstone injection interval will be perforated and isolated with a packer at 8,897 ft. Similar to TB1-1, once the total planned injection volume is achieved, the KIC injection zone will be plugged off with CO₂ resistant cement. Then, the Medina Group injection interval will be perforated and isolated with a packer at 6,043 ft. All casing strings will be cemented to the surface, utilizing CO₂-resistant cement for critical zones. TB1-4 is located in the geographic extent of a permitted underground coal mine, though no mining has occurred at this location to date. Thus, the TB1-4 well design incorporates a mine string to isolate potential mine voids. The mine string is an 18.625-inch OD J55 casing set at a depth of 548 ft TVD within a 24-inch borehole, extending below the deepest mineable coal seam at 498 ft TVD. The casing is cemented to the surface with a Class A cement (13.3 lb/gal, 654 sacks), ensuring isolation from any mine void. Tubing and completion equipment will be repurposed between injection zones. Additional operational details and schematics for TB1-4 are provided in Figures 13–16 of the Construction Details for TB1-4.

Measures are in place to prevent exceeding fracture gradients or mandated injection pressures. Adjustments may be made based on future reservoir characterization. The final nodal analysis recommends a tubing configuration and operational parameters to ensure pressure and rate limitations are met while considering factors such as zonal isolation and well integrity.

3.4. Pre-Operational Testing Plan

The Pre-Operational Testing Program is designed to meet the requirements of 40 CFR 146.87 and 40 CFR 146.86, ensuring accurate baseline datasets, verification of injection and confining zone characteristics, and compliance with injection well construction requirements. This program will be implemented at all four injection wells (TB1-1, TB1-2, TB1-3, TB1-4) to characterize the MIC and KIC in the project area. The testing program will include a combination of logging, coring, hydrogeologic formation testing, and other activities during the drilling and construction phases of injection and observation wells.

The pre-operational testing will involve sidewall coring and an extensive well logging program, including wireline logging in injection and observation wells. Formation geohydrologic testing, such as pump tests and injectivity tests, will verify the chemical and physical characteristics of the MIC and KIC injection and confining zones. Fracture pressure will be determined using formation testing tools and mini-fracture tests, ensuring borehole stability and optimal cement installation.

This program will determine or verify the depth, thickness, mineralogy, lithology, porosity, permeability, and geomechanical properties of the upper confining zones (Wells Creek Formation, Rochester Shale Formation), lower confining zones (Queenston Shale, Copper Ridge Dolomite), and injection intervals (Medina Group and Rose Run Sandstone). Formation fluid characteristics will also be obtained from the injection intervals to establish baseline data for future comparisons. The wells, including injection and observation types, will support site characterization efforts.

Reports detailing the results of all testing operations, including interpretations, will be submitted to the UIC Program Director within 60 days of completing each injection well. These reports will include data on casing and cement integrity, well logs, core analysis, fluid sampling, and

hydrogeologic test results. This ensures that all pre-injection conditions are documented and comply with regulatory requirements.

Upon completion of characterization and testing, the boreholes will be finalized as injection wells. Mechanical integrity tests (e.g., pressure and wireline tests) will verify well construction and integrity. Cement bond, variable density, and temperature logs will confirm the quality of the cement jobs for each well after long-string casing installation, ensuring conformance with project and regulatory standards.

Pre-Operational Logging and Testing GSDT Submissions

GSDT Module: Pre-Operational Testing

Tab(s): Welcome tab

Please use the checkbox(es) to verify the following information was submitted to the GSDT:

Proposed pre-operational testing program [**40 CFR 146.82(a)(8) and 146.87**]

3.5. Well Operation

The Summary of Requirements – Class VI Operating and Reporting Conditions outlines the operational design developed to comply with 40 CFR 146.82(a)(7), 146.82(a)(10), and 146.88 and provides a plan for safe injection into TB1-1, TB1-2, TB1-3, and TB1-4.

Tri-State CCS, LLC aims to safely inject CO₂ at a maximum rate of 0.5 MMt/y in each of the four injection wells, ensuring well integrity while maintaining pressures below 90% of the fracture pressure in the active injection zone. The maximum injection pressures were modeled as 2,479 psig for TB1-1, 2,524 psig for TB1-2, 2,588 psig for TB1-3, and 2,655 psig for TB1-4 for injection into the KIC, or as 1,751 psig for TB1-1, 1,765 psig for TB1-2, 1,837 psig for TB1-3, and 1,882 psig for TB1-4 for injection into the MIC. Operating conditions for all four wells are detailed in Table 1 for the KIC and Table 2 for the MIC of the Summary of Requirements.

Each injection well will be continuously monitored to ensure safe operations and compliance with 40 CFR 146.88(e)(2). Operational monitoring includes real-time observation of injection pressures at the wellhead and downhole, continuous fiber optic temperature monitoring along the wellbore, annular space pressure monitoring, and corrosion coupon monitoring to detect potential corrosion. Details of these monitoring systems are provided in Sections 3.0 and 4.0 of the Testing and Monitoring Plan. All automatic shutdowns will be thoroughly investigated prior to resuming injection to confirm the absence of mechanical integrity issues. If a shutdown or loss of mechanical integrity occurs, Tri-State CCS, LLC will immediately investigate the root cause and take necessary remedial actions as outlined in Appendix A of the Emergency and Remedial Response Plan.

Tri-State CCS, LLC will maintain the mechanical integrity of each well through routine maintenance and workover operations. These operations will be carefully monitored to ensure safety and compliance with 40 CFR 146.88(d). Well maintenance procedures and testing will be reported to the UIC Program Director, as outlined in the Testing and Monitoring Plan. Operational

contingency plans include measures to handle potential upset conditions, such as process disturbances or equipment malfunctions. These plans ensure environmental protection by shutting in wells and monitoring pressure fall-off as necessary. Details of these plans are outlined in Section 5 of the Summary of Requirements.

The CO₂ for injection will be sourced from industrial facilities and power plants in the Tri-State area, transported by pipeline to the project site, and injected in a liquid or supercritical phase. Continuous monitoring of the CO₂ stream composition will ensure adherence to specifications, which are detailed in Table 3 of the Summary of Requirements.

To mitigate CO₂-induced corrosion risks, Tri-State CCS, LLC will adhere to monitoring practices outlined in Section 5 of the Testing and Monitoring Plan. Tri-State CCS, LLC will submit semi-annual operating reports to the UIC Program Director, including injection data, monitoring results, and any events impacting mechanical integrity. Reporting requirements are fully detailed in Section 6 of the Summary of Requirements.

3.6. Testing and Monitoring Plan

The Testing and Monitoring Plan outlines how Tri-State CCS, LLC will monitor the project to ensure it does not endanger USDWs, meeting the requirements of 40 CFR 146.90. Monitoring and testing data will track the CO₂ plume and pressure front, validate and refine geological models and simulations, support AoR re-evaluations, and demonstrate non-endangerment. A Quality Assurance and Surveillance Plan, meeting the requirements of 40 CFR 146.90(k), is included as an appendix to this plan.

Tri-State CCS, LLC plans to drill and monitor up to 19 wells for the project, including four in-zone observation wells in the Knox Group and Medina Group, three above-zone observation wells in the first permeable interval above the confining zone, four deep observation wells in the Sharon Sandstone (lowermost USDW), and up to four shallow USDW observation wells in the Pennsylvanian unit. Note that the first permeable unit above the confining zone for each injection complex will be defined as the first unit having porosity $\geq 3\%$ and permeability ≥ 1 md. These cutoffs are subject to change based on subsurface data collected for the CarbonSAFE stratigraphic wells and the pre-operational testing planned for each injection well. Details on these wells and their approximate depths are provided in Table 1 of the Testing and Monitoring Plan, with proposed monitoring activities and frequencies summarized in Table 3.

The Testing and Monitoring Plan incorporates direct and indirect monitoring technologies to observe:

- Injectate composition per Section 3 of the plan (40 CFR 146.90(a));
- Operational parameters per Section 4 of the plan (40 CFR 146.90(b));
- Corrosion of well materials and components per Section 5 of the plan (40 CFR 146.90(c));
- Any migration of CO₂ or brine above the confining zones per Section 6 of the plan (40 CFR 146.90(d));
- USDW groundwater quality per Section 6 of the plan (40 CFR 146.90(d) and 146.95(f)(3)(i));

- Well integrity over the injection phase per Section 7 of the plan (40 CFR 146.89(c) and 146.90(e));
- Near-wellbore environment using pressure fall-off testing per Section 8 of the plan (40 CFR 146.90(f)); and
- Development of the CO₂ plume and pressure front in the storage formations over time per Section 9 of the plan (40 CFR 146.90(g)).

Testing and Monitoring GSDT Submissions

GSDT Module: Project Plan Submissions

Tab(s): Testing and Monitoring tab

Please use the checkbox(es) to verify the following information was submitted to the GSDT:

Testing and Monitoring Plan **[40 CFR 146.82(a)(15) and 146.90]**

3.7. Injection Well Plugging

The Injection Well Plugging Plan for each injection well describes the process Tri-State CCS, LLC proposes to plug TB1-1, TB1-2, TB1-3, and TB1-4 in conformance with federal requirements at 40 CFR 146.92 and 146.93(e). After completing the planned CO₂ injection into the KIC, the tubing and completion hardware will be retrieved, and the zone will be plugged off with CO₂ resistant cement. The MIC will then be perforated, and the same tubing will be inspected or tested and reused for injection into the MIC. Once the MIC's injection volume is achieved, the well will be plugged and abandoned. Tri-State CCS, LLC may elect to delay plugging the MIC injection zone for monitoring in-zone reservoir conditions post-injection to enhance monitoring of reservoir conditions.

The plugging process and materials are designed to prevent unwanted fluid movement, resist corrosion caused by CO₂/water mixtures, and safeguard USDWs. Prior to plugging either injection zone, the final bottom-hole pressure of the injection wells will be measured, and an inhibited spacer fluid (brine) will be used to flush and fill the wells to maintain pressure control and inhibit corrosion. The measured bottom-hole pressure and temperature will guide the selection of the appropriate weight of brine to stabilize the well and inform decisions regarding the blend of cement needed to plug the well, addressing considerations such as preventing leak-off or premature setting. Mechanical integrity tests (MITs), including external methods such as temperature logs, oxygen activation logs, noise logs, and pulsed neutron logs, will be conducted before plugging. If mechanical integrity is compromised, repairs will be made before proceeding with plugging operations.

The injection tubing, strings, and gauges will be removed from the wells. If the packer cannot be removed after flushing, it will be cut from the tubing and left in the well. The injection zones will be plugged using the retainer method, squeezing CO₂-resistant cement into the perforations. Balanced plugs will be used to isolate the remainder of the well, with CO₂-resistant cement employed in the injection and confining zones and Class A neat cement or equivalent used in shallower plugs. Before injection into the MIC, approximately 50 ft of the long string casing will be milled at the crossover from 22Cr-110 to L80, covering 10-20 ft of the 22Cr-110 section. Once

milled, this interval will be squeezed and plugged off with CO₂ resistant cement. 50 ft of CO₂ resistant cement balanced plug will be placed at the top of the retainer, converted to a mechanical plug, and the MIC injection interval will be perforated to begin injection.

Tri-State CCS, LLC will submit updates to the plan, notifications, and reports as detailed in subsection 5.1 of the Injection Well Plugging Plan for each injection well. This includes delayed plugging notifications, 60-day notifications prior to plugging, and well plugging reports to ensure regulatory compliance and transparency.

Injection Well Plugging GS DT Submissions

GS DT Module: Project Plan Submissions
Tab(s): Injection Well Plugging tab

Please use the checkbox(es) to verify the following information was submitted to the GS DT:

Injection Well Plugging Plan [**40 CFR 146.82(a)(16) and 146.92(b)**]

3.8. Post-Injection Site Care and Site Closure

The Post-Injection Site Care and Site Closure Plan outlines activities Tri-State CCS, LLC will undertake to meet the requirements of 40 CFR 146.93. Monitoring will continue for 80 years post-injection for the Rose Run Sandstone and 50 years for the Medina Group, focusing on groundwater quality, CO₂ plume, and pressure front tracking. Monitoring will not cease until a demonstration of non-endangerment of USDWs is approved by the UIC Program Director under 40 CFR 146.93(b)(3). Upon site closure approval, all monitoring wells will be plugged, the site restored, and a closure report submitted.

Pre- and post-injection modeling shows pressure in the Rose Run Sandstone dropping below critical thresholds 15 years post-injection and in the Medina Group after 19 years post-injection. Figures 1 through 4 in the Post-Injection Site Care and Site Closure Plan illustrate pressure differential trends, CO₂ plume extent, and predicted pressure fronts. Monitoring includes groundwater sampling, pressure and temperature measurements, and direct and indirect plume tracking, as detailed in Tables 1 through 6 of the plan. Results will be reported annually within 60 days of the injection cessation anniversary.

Non-endangerment demonstrations will utilize monitoring data and computational modeling to confirm reservoir stability and USDW protection. Plume behavior, pressure decline, and groundwater quality comparisons to baseline data will validate these findings. All wells will be plugged and abandoned per the Injection Well Plugging Plan for each injection well and applicable state regulations.

Site closure activities include equipment decommissioning, well plugging, and site restoration to pre-injection conditions. A final Site Closure Report, including well plugging details and injection records, will be submitted to the UIC Program Director and retained for 10 years. Records from the post-injection period will also be maintained and submitted as required.

PISC and Site Closure GSDT Submissions

GSDT Module: Project Plan Submissions

Tab(s): PISC and Site Closure tab

Please use the checkbox(es) to verify the following information was submitted to the GSDT:

PISC and Site Closure Plan [**40 CFR 146.82(a)(17) and 146.93(a)**]

3.9. Emergency and Remedial Response Plan

The EERP describes actions that Tri-State CCS, LLC will take to address an emergency in the AoR that may cause movement of the injection fluid or formation fluid in a manner that may endanger a USDW during the construction, operation, or PISC periods, pursuant to 40 CFR 146.82(a)(19) and 146.94.

Examples of potential risks include: (1) injection or observation well integrity failure, (2) injection well monitoring and/or surface equipment failure, (3) natural disaster, (4) fluid leakage into a USDW, (5) CO₂ leakage to USDW or land surface, or (6) an induced or natural seismic event. In the case of one of the listed risks, site personnel, project personnel, and local authorities will be relied upon to implement this EERP. Tri-State CCS, LLC will communicate to the public any event that requires an emergency response, as described in the EERP, to ensure that the public understands what happened and whether there are any environmental or safety implications. This will include a detailed description of what happened, any impacts to the environment or other local resources, how the event was investigated, what actions were taken, and the status of the remediation.

If Tri-State CCS, LLC obtains evidence that the injected CO₂ stream and/or associated pressure front may cause an endangerment to a USDW, Tri-State CCS, LLC will perform the following actions:

1. Initiate shutdown plan for the injection well(s).
2. Take all steps reasonably necessary to identify and characterize any release.
3. Notify the 24-hour Emergency Contact (Appendix B of the EERP) followed by the UIC Program Director within 24 hours of the emergency event, per 40 CFR 146.91(c).
4. Implement applicable portions of the approved EERP.

The emergency contact list in Appendix B of the EERP will be updated annually at a minimum, and the EERP will be reviewed at least once every five years following its approval as well as within one year of an AoR reevaluation and following any significant changes to the injection process or the injection facility or an emergency event. Periodic training will be provided, not less than annually, to construction personnel, well operators, project safety personnel, environmental personnel, the operations manager, and corporate communications. The training plan will record that the necessary personnel have been trained and possess the required skills to perform their relevant emergency response activities described in the EERP.

Emergency and Remedial Response GSDT Submissions

GSDT Module: Project Plan Submissions

Tab(s): Emergency and Remedial Response tab

Please use the checkbox(es) to verify the following information was submitted to the GSDT:

Emergency and Remedial Response Plan [**40 CFR 146.82(a)(19) and 146.94(a)**]

3.10. Injection Depth Waiver and Aquifer Exemption Expansion

No injection depth waiver or aquifer exemption expansion is required in this application.

3.11. Optional Additional Project Information [40 CFR 144.4]

Because the project is receiving federal funding under the CarbonSAFE initiative, potential impacts to natural resources will be evaluated through the National Environmental Policy Act (NEPA) process with the U.S. Department of Energy as the Lead Agency. Permanent surface impacts of the project will be limited to about 1 acre at each well site, while temporary surface impacts during construction will be about 4 acres at each well site. No demolition of existing structures is planned for the project at this time.

The following is provided to help with determining other federal laws that may be applicable to development of the project:

- No national wild and scenic rivers protected under the Wild and Scenic Rivers Act are found within the AoR.
- There are 6 properties in the AoR listed or eligible for listing in the National Register of Historic Places under the National Historic Preservation Act of 1966; three of them are within the 80 and 110-year CO₂ plumes. Two historic sites are approximately 0.3 miles to the northeast of TB1-2, and one historic site is approximately 1.3 miles northeast of TB1-2 (Figure 66).
- U.S. Fish and Wildlife Service's Information for Planning and Consultation tool indicates that there are four federally listed threatened or endangered species protected under the Endangered Species Act that may be present in the AoR: Indiana bat, northern long-eared bat, salamander mussel, and monarch butterfly.
- The AoR is not within a coastal zone protected under the Coastal Zone Management Act.

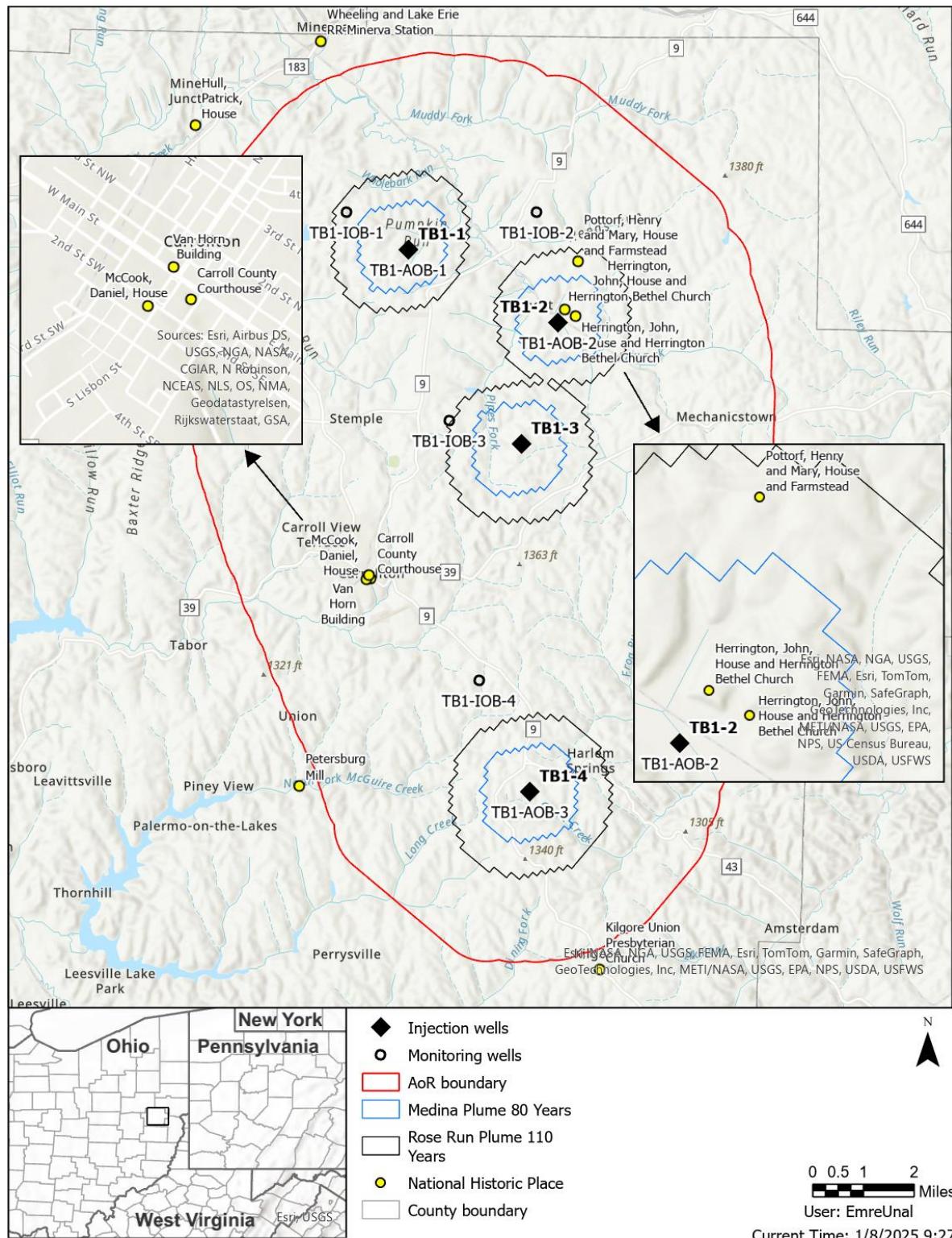


Figure 66: Map of the AoR, injection and monitoring wells, Medina Group and Rose Run Sandstone CO₂ plume at site closure (80 and 110-year plumes, respectively), and national historic places.

3.12. Other Information

No other information is included in the permit application at this time.

However, Tri-State CCS, LLC will provide any other information requested by the UIC Program Director, or new or updated information that is not specifically requested/required but may be useful for the permit application. This section fulfills the requirement at 40 CFR 146.82(a)(21).

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5. Appendix A: Detailed Water Well Completion Records for the Area of Review in Carroll County, Ohio

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|----|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|----------|--------------------|-------------------|
| 1 | 248366 | LEE | 79 | 24 | 9/8/1960 | SHALE | | | 40.495556 | -81.053524 |
| 2 | 474193 | LEE | 105 | 70 | 10/25/1975 | SHALE | | DOMESTIC | 40.494368 | -80.971447 |
| 3 | 491634 | LEE | 165 | 100 | 8/5/1976 | SHALE | 33 | DOMESTIC | 40.493968 | -80.969529 |
| 4 | 184965 | LEE | 212 | 80 | 7/8/1957 | SAND | 50 | DOMESTIC | 40.528137 | -81.025271 |
| 5 | 184989 | LEE | 67 | 30 | 4/19/1958 | GRAVEL | | DOMESTIC | 40.521659 | -81.026826 |
| 6 | 296869 | LEE | 109 | 65 | 11/5/1963 | SHALE | | DOMESTIC | 40.553514 | -81.051727 |
| 7 | 427543 | LEE | 75 | 40 | 4/12/1973 | SHALE | | DOMESTIC | 40.548183 | -81.046841 |
| 8 | 296866 | LEE | 96 | 60 | 9/20/1963 | SHALE | 20 | DOMESTIC | 40.555442 | -81.053276 |
| 9 | 49446 | LEE | 171 | 110 | | FIRE CLAY | | DOMESTIC | 40.546291 | -80.979247 |
| 10 | 152954 | LEE | 60 | 33 | 7/26/1955 | SANDSTONE | | DOMESTIC | 40.540080 | -80.990032 |
| 11 | 160144 | LEE | 102 | 80 | 5/17/1957 | SHALE | 20 | | 40.529796 | -80.997706 |
| 12 | 339927 | LEE | 82 | 6 | 3/22/1966 | SHALE | 21 | DOMESTIC | 40.531128 | -80.985687 |
| 13 | 387876 | BROWN | 187 | 100 | 5/3/1969 | SHALE | 180 | | 40.681124 | -81.123411 |
| 14 | 406670 | BROWN | 105 | 60 | 10/9/1970 | SHALE | | DOMESTIC | 40.672989 | -81.107182 |
| 15 | 355483 | BROWN | 85 | 63 | 5/12/1967 | SHALE | 4 | DOMESTIC | 40.716645 | -81.094246 |
| 16 | 355500 | BROWN | 104 | 59 | 6/11/1967 | SHALE | | DOMESTIC | 40.716243 | -81.093253 |
| 17 | 394360 | BROWN | 75 | 55 | 11/15/1969 | COAL | 75 | DOMESTIC | 40.716682 | -81.093166 |
| 18 | 455416 | BROWN | 65 | 16 | 6/22/1973 | SHALE | 50 | DOMESTIC | 40.715327 | -81.091885 |
| 19 | 464183 | BROWN | 80 | 30 | 6/16/1974 | SHALE | | DOMESTIC | 40.715327 | -81.091885 |
| 20 | 541087 | BROWN | 59 | 29 | 11/21/1979 | SHALE | | DOMESTIC | 40.715327 | -81.091885 |
| 21 | 64751 | AUGUSTA | 41 | 14 | 8/26/1948 | SAND | | DOMESTIC | 40.712770 | -81.085726 |
| 22 | 89163 | AUGUSTA | 45 | 12 | 9/8/1951 | SHALE | 25 | DOMESTIC | 40.669140 | -81.032562 |
| 23 | 92697 | AUGUSTA | 138 | | 10/29/1953 | SHALE | 135 | | 40.676705 | -81.054567 |
| 24 | 143596 | AUGUSTA | 232 | 130 | 9/23/1955 | SHALE | 67 | DOMESTIC | 40.686204 | -81.017144 |
| 25 | 143775 | AUGUSTA | 135 | 110 | 6/5/1954 | SHALE | 115 | | 40.650082 | -81.013417 |
| 26 | 186926 | AUGUSTA | 40 | | 3/8/1957 | SHALE | 27 | DOMESTIC | 40.689121 | -81.051884 |
| 27 | 455417 | AUGUSTA | 53 | 21 | 6/25/1973 | SHALE | 5 | DOMESTIC | 40.692621 | -81.064385 |
| 28 | 464241 | AUGUSTA | 47 | 21 | 8/16/1974 | SHALE | 4 | DOMESTIC | 40.693691 | -81.068798 |
| 29 | 202496 | AUGUSTA | 165 | | 7/31/1958 | SHALE | | | 40.698989 | -81.054343 |
| 30 | 318445 | AUGUSTA | 124 | 90 | 9/3/1965 | SANDSTONE | 70 | DOMESTIC | 40.706176 | -81.041607 |
| 31 | 1021419 | AUGUSTA | 366 | 126 | 12/15/2019 | SANDSTONE & SHALE | 9 | DOMESTIC | 40.695939 | -81.035284 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|----|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|-------------|--------------------|-------------------|
| 32 | 64773 | AUGUSTA | 142 | 124 | 5/25/1950 | SAND | 12 | | 40.680868 | -81.040296 |
| 33 | 143576 | AUGUSTA | 60 | 2 | 5/24/1955 | SANDSTONE | 57 | DOMESTIC | 40.687543 | -81.034568 |
| 34 | 285534 | AUGUSTA | 240 | 173 | 5/20/1963 | SANDSTONE | 7 | DOMESTIC | 40.684619 | -81.034545 |
| 35 | 396658 | AUGUSTA | 226 | 180 | 9/23/1969 | SHALE | 30 | DOMESTIC | 40.684731 | -81.036539 |
| 36 | 1016815 | AUGUSTA | 106 | 26 | 9/18/2014 | SANDSTONE | 4 | DOMESTIC | 40.677167 | -81.041950 |
| 37 | 883749 | AUGUSTA | 178 | 97 | 3/24/1999 | SHALE | 5 | DOMESTIC | 40.676610 | -81.044520 |
| 38 | 829659 | AUGUSTA | 200 | 55 | 7/9/1996 | SANDSTONE | | AGRIC/IRRIG | 40.682822 | -81.035675 |
| 39 | 836957 | AUGUSTA | 220 | 100 | 8/14/1996 | SANDSTONE | 3 | DOMESTIC | 40.683203 | -81.038424 |
| 40 | 797366 | AUGUSTA | 223 | 164 | 6/23/1996 | SANDSTONE | 29 | DOMESTIC | 40.683798 | -81.036519 |
| 41 | 930570 | AUGUSTA | 222 | 165 | 10/20/2001 | SHALE | | DOMESTIC | 40.684320 | -81.036130 |
| 42 | 957257 | AUGUSTA | 222 | 180 | 12/10/2002 | CLEANOUT | | DOMESTIC | 40.684320 | -81.036130 |
| 43 | 992545 | AUGUSTA | 85 | 52 | 1/6/2006 | SANDSTONE | 5 | DOMESTIC | 40.685570 | -81.039170 |
| 44 | 1007092 | AUGUSTA | 225 | 158 | 11/3/2008 | | | | 40.685567 | -81.039167 |
| 45 | 3002954 | AUGUSTA | 220 | 180 | 8/22/2022 | SANDSTONE | | DOMESTIC | 40.684889 | -81.034635 |
| 46 | 747194 | AUGUSTA | 243 | 190 | 9/17/1992 | SHALE | | DOMESTIC | 40.685452 | -81.035188 |
| 47 | 941611 | AUGUSTA | 208 | 155 | 7/15/2002 | SHALE & SANDSTONE | 3 | DOMESTIC | 40.685239 | -81.033985 |
| 48 | 955602 | AUGUSTA | 125 | 60 | 9/20/2002 | SANDSTONE | | DOMESTIC | 40.676120 | -81.045140 |
| 49 | 64765 | AUGUSTA | 118 | 32 | 1/16/1950 | SHALE | 11 | | 40.672692 | -81.010877 |
| 50 | 92669 | AUGUSTA | 208 | 165 | | SHALE | | DOMESTIC | 40.687670 | -81.021715 |
| 51 | 92670 | AUGUSTA | 110 | 70 | | SAND | 20 | DOMESTIC | 40.684397 | -81.021438 |
| 52 | 92677 | AUGUSTA | 130 | 90 | | SAND | 26 | | 40.709478 | -81.024876 |
| 53 | 202469 | AUGUSTA | 90 | | 10/4/1957 | SHALE | 18 | | 40.684106 | -81.020608 |
| 54 | 213525 | AUGUSTA | 25 | 3 | 4/5/1959 | SAND | | DOMESTIC | 40.655136 | -81.012293 |
| 55 | 241477 | AUGUSTA | 80 | 50 | | SANDSTONE | 16 | DOMESTIC | 40.663708 | -81.015949 |
| 56 | 255354 | AUGUSTA | 180 | 105 | | SHALE | | DOMESTIC | 40.709478 | -81.024876 |
| 57 | 276527 | AUGUSTA | 125 | 20 | 10/12/1962 | SHALE | 114 | DOMESTIC | 40.651610 | -81.014176 |
| 58 | 296878 | AUGUSTA | 210 | 145 | 1/16/1964 | SHALE | 64 | DOMESTIC | 40.684921 | -81.021463 |
| 59 | 328203 | AUGUSTA | 120 | 55 | 11/12/1965 | SHALE | | | 40.687692 | -81.020808 |
| 60 | 353838 | AUGUSTA | 140 | 100 | | SHALE | 62 | DOMESTIC | 40.705004 | -81.018173 |
| 61 | 372846 | AUGUSTA | 246 | 108 | 7/11/1968 | SHALE | 3 | DOMESTIC | 40.673977 | -81.014759 |
| 62 | 387856 | AUGUSTA | 84 | 50 | 11/16/1968 | SHALE | | DOMESTIC | 40.684895 | -81.020802 |
| 63 | 411954 | AUGUSTA | 62 | | 9/8/1970 | SHALE | | DOMESTIC | 40.652063 | -81.012284 |
| 64 | 420833 | AUGUSTA | 89 | 50 | 10/19/1971 | SHALE | 2 | DOMESTIC | 40.686404 | -81.020631 |
| 65 | 427297 | AUGUSTA | 140 | 85 | 6/3/1974 | SANDSTONE | 60 | DOMESTIC | 40.663393 | -81.017334 |
| 66 | 427542 | AUGUSTA | 75 | 45 | 3/23/1973 | SANDSTONE | 6 | DOMESTIC | 40.679240 | -81.018406 |
| 67 | 468483 | AUGUSTA | 208 | 100 | 8/20/1974 | SANDSTONE | | | 40.714905 | -81.013215 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|-----|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|-------------|--------------------|-------------------|
| 68 | 500301 | AUGUSTA | 225 | 160 | 6/19/1976 | SANDSTONE | 4 | DOMESTIC | 40.686555 | -81.021563 |
| 69 | 522385 | AUGUSTA | 264 | 173 | 9/12/1978 | SHALE | 229 | DOMESTIC | 40.687451 | -81.021685 |
| 70 | 626185 | AUGUSTA | 291 | 172 | 11/2/1985 | SHALE | | DOMESTIC | 40.687443 | -81.021681 |
| 71 | 750756 | AUGUSTA | 133 | | 8/28/1992 | GRAVEL | | DOMESTIC | 40.584097 | -81.071996 |
| 72 | 718767 | AUGUSTA | 150 | 80 | 11/13/1991 | SHALE | | DOMESTIC | 40.655812 | -81.012747 |
| 73 | 516380 | AUGUSTA | 89 | 35 | 9/24/1977 | SANDSTONE | 10 | DOMESTIC | 40.659207 | -81.013550 |
| 74 | 613607 | AUGUSTA | 120 | 60 | 6/29/1984 | SANDSTONE | 55 | DOMESTIC | 40.662998 | -81.013693 |
| 75 | 1012249 | AUGUSTA | 145 | 71 | 10/1/2009 | | 7 | AGRIC/IRRIG | 40.665970 | -81.019120 |
| 76 | 747176 | AUGUSTA | 122 | 60 | 2/29/1992 | SHALE | 7 | AGRIC/IRRIG | 40.666202 | -81.011088 |
| 77 | 987602 | AUGUSTA | 118 | 27 | 7/13/2005 | | | DOMESTIC | 40.667330 | -81.014170 |
| 78 | 992546 | AUGUSTA | 205 | 58 | 1/5/2006 | | 5 | DOMESTIC | 40.674800 | -81.018530 |
| 79 | 901804 | AUGUSTA | 214 | 155 | 10/13/1999 | SHALE | | AGRIC/IRRIG | 40.673970 | -81.014150 |
| 80 | 922473 | AUGUSTA | 300 | 160 | 7/25/2001 | LOAM | 2 | DOMESTIC | 40.679030 | -81.019720 |
| 81 | 952395 | AUGUSTA | 300 | 144 | 10/21/2003 | SHALE | 4 | AGRIC/IRRIG | 40.675140 | -81.014920 |
| 82 | 930575 | AUGUSTA | 207 | 158 | 12/4/2001 | SHALE | 1 | DOMESTIC | 40.680320 | -81.020480 |
| 83 | 898289 | AUGUSTA | 145 | 48 | 5/30/2001 | SHALE | 8 | DOMESTIC | 40.680631 | -81.020238 |
| 84 | 965337 | AUGUSTA | 315 | 148 | 5/14/2005 | SANDSTONE | 4 | DOMESTIC | 40.680330 | -81.021500 |
| 85 | 902259 | AUGUSTA | 250 | 155 | 9/1/2000 | SHALE | 3 | DOMESTIC | 40.675530 | -81.015860 |
| 86 | 957253 | AUGUSTA | 302 | 160 | 11/12/2002 | SHALE | 2 | DOMESTIC | 40.683770 | -81.021150 |
| 87 | 721435 | AUGUSTA | 204 | 100 | 1/5/1992 | SANDSTONE | 3 | DOMESTIC | 40.685189 | -81.021448 |
| 88 | 624978 | AUGUSTA | 279 | 160 | 3/20/1987 | SHALE | 4 | DOMESTIC | 40.686404 | -81.020631 |
| 89 | 679116 | AUGUSTA | 388 | 172 | 9/7/1988 | SHALE | 2 | DOMESTIC | 40.687415 | -81.021536 |
| 90 | 671897 | AUGUSTA | 209 | 167 | 9/9/1990 | SANDSTONE | 3 | DOMESTIC | 40.690143 | -81.022648 |
| 91 | 598769 | AUGUSTA | 204 | 140 | 3/13/1982 | SHALE | 8 | DOMESTIC | 40.705004 | -81.018173 |
| 92 | 450392 | AUGUSTA | 195 | 68 | 11/5/1973 | SHALE | | DOMESTIC | 40.707681 | -81.016801 |
| 93 | 992584 | AUGUSTA | 290 | 154 | 1/9/2007 | SANDSTONE & SHALE | 8 | AGRIC/IRRIG | 40.712933 | -81.024117 |
| 94 | 938964 | AUGUSTA | 245 | 70 | 11/5/2002 | SANDSTONE | | DOMESTIC | 40.712770 | -81.019870 |
| 95 | 598795 | AUGUSTA | 172 | 80 | 9/22/1983 | SHALE | | DOMESTIC | 40.714905 | -81.013215 |
| 96 | 957254 | AUGUSTA | 302 | | 11/12/2002 | SHALE | 230 | | 40.683480 | -81.020840 |
| 97 | 64313 | AUGUSTA | 185 | | 8/27/1951 | SHALE | 175 | DOMESTIC | 40.695972 | -81.069844 |
| 98 | 143776 | AUGUSTA | 173 | | 6/14/1954 | SHALE | 166 | DOMESTIC | 40.702081 | -81.077975 |
| 99 | 160574 | AUGUSTA | 204 | | 5/2/1956 | SHALE | 197 | DOMESTIC | 40.708108 | -81.085266 |
| 100 | 186924 | AUGUSTA | 157 | | 3/8/1957 | SHALE | 150 | DOMESTIC | 40.702897 | -81.079212 |
| 101 | 189943 | AUGUSTA | 194 | | | SHALE | 177 | DOMESTIC | 40.697252 | -81.070545 |
| 102 | 206091 | AUGUSTA | 152 | | | COAL | 142 | DOMESTIC | 40.703370 | -81.079690 |
| 103 | 225543 | AUGUSTA | 134 | | 10/17/1959 | LIMESTONE | 127 | DOMESTIC | 40.701045 | -81.073806 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|-----|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|------------|--------------------|-------------------|
| 104 | 255388 | AUGUSTA | 208 | | | SHALE | 179 | DOMESTIC | 40.700869 | -81.081039 |
| 105 | 269311 | AUGUSTA | 47 | | 10/19/1961 | SHALE | 43 | DOMESTIC | 40.688972 | -81.057617 |
| 106 | 269315 | AUGUSTA | 54 | 8 | 11/11/1961 | SHALE | 43 | | 40.676358 | -81.056408 |
| 107 | 269340 | AUGUSTA | 181 | | 9/22/1962 | GRAVEL | | | 40.700869 | -81.081039 |
| 108 | 269341 | AUGUSTA | 167 | | 11/9/1961 | SHALE | 29 | | 40.700869 | -81.081039 |
| 109 | 318411 | AUGUSTA | 64 | 22 | 10/1/1964 | FIRE CLAY | 30 | DOMESTIC | 40.650025 | -80.995966 |
| 110 | 339947 | AUGUSTA | 55 | 18 | 6/28/1966 | SHALE | | DOMESTIC | 40.667459 | -81.046906 |
| 111 | 396683 | AUGUSTA | 46 | 20 | 5/27/1971 | SANDSTONE | 40 | DOMESTIC | 40.646961 | -80.994325 |
| 112 | 424372 | AUGUSTA | 105 | | 9/15/1971 | FILL MATERIAL | | DOMESTIC | 40.672828 | -81.045363 |
| 113 | 432441 | AUGUSTA | 46 | 10 | 7/28/1972 | SHALE | | DOMESTIC | 40.648471 | -81.013448 |
| 114 | 433593 | AUGUSTA | 66 | 4 | 12/13/1972 | SHALE | 45 | COMMERCIAL | 40.710830 | -81.084878 |
| 115 | 450572 | AUGUSTA | 51 | 17 | 8/9/1973 | SANDSTONE | 10 | DOMESTIC | 40.690617 | -81.060491 |
| 116 | 455426 | AUGUSTA | 45 | 8 | 7/28/1973 | SANDSTONE | 36 | DOMESTIC | 40.647591 | -80.995964 |
| 117 | 464212 | AUGUSTA | 84 | 52 | 12/1/1973 | SHALE | | DOMESTIC | 40.688202 | -81.058547 |
| 118 | 464231 | AUGUSTA | 155 | | 6/3/1974 | SANDSTONE | 148 | DOMESTIC | 40.704518 | -81.082673 |
| 119 | 491624 | AUGUSTA | 100 | 30 | 6/19/1976 | SAND | 10 | DOMESTIC | 40.660766 | -81.025890 |
| 120 | 522661 | AUGUSTA | 127 | 5 | 5/19/1978 | SAND & GRAVEL | | DOMESTIC | 40.705690 | -81.082591 |
| 121 | 716251 | AUGUSTA | 179 | 25 | 11/28/1930 | SHALE | 1 | DOMESTIC | 40.712178 | -81.085854 |
| 122 | 955302 | AUGUSTA | 180 | 90 | 2/20/2003 | SANDSTONE | | DOMESTIC | 40.712235 | -81.083558 |
| 123 | 930565 | AUGUSTA | 160 | | 8/24/2001 | SHALE | | DOMESTIC | 40.709436 | -81.086609 |
| 124 | 987277 | AUGUSTA | 217 | 30 | 9/9/2005 | SANDSTONE | 183 | DOMESTIC | 40.704620 | -81.080150 |
| 125 | 624996 | AUGUSTA | 165 | | 8/14/1987 | GRAVEL | | DOMESTIC | 40.705235 | -81.080889 |
| 126 | 866817 | AUGUSTA | 160 | 1 | 11/18/2000 | MUD | | DOMESTIC | 40.712610 | -81.086840 |
| 127 | 705117 | AUGUSTA | 145 | | 11/15/1989 | WASH | | DOMESTIC | 40.703180 | -81.079555 |
| 128 | 944305 | AUGUSTA | 180 | 5 | 6/26/2002 | SAND | | DOMESTIC | 40.703634 | -81.079283 |
| 129 | 743321 | AUGUSTA | 45 | 18 | 1/2/1992 | SHALE & SANDSTONE | 26 | DOMESTIC | 40.693547 | -81.068321 |
| 130 | 762908 | AUGUSTA | 65 | 15 | 4/28/1996 | SHALE | | DOMESTIC | 40.693217 | -81.068010 |
| 131 | 758334 | AUGUSTA | 65 | 25 | 9/18/1992 | SHALE | | DOMESTIC | 40.692996 | -81.067436 |
| 132 | 762909 | AUGUSTA | 185 | 135 | 4/30/1993 | SHALE | | DOMESTIC | 40.692068 | -81.067969 |
| 133 | 772235 | AUGUSTA | 105 | 37 | 9/7/1943 | SHALE | | DOMESTIC | 40.692947 | -81.066027 |
| 134 | 762919 | AUGUSTA | 165 | 95 | 5/26/1993 | SHALE | 8 | DOMESTIC | 40.692485 | -81.065285 |
| 135 | 725788 | AUGUSTA | 45 | 12 | 8/14/1991 | SANDSTONE | 25 | DOMESTIC | 40.693360 | -81.065796 |
| 136 | 725755 | AUGUSTA | 60 | 23 | 3/19/1991 | SANDSTONE | 10 | DOMESTIC | 40.693279 | -81.065487 |
| 137 | 780083 | AUGUSTA | 65 | 15 | 4/1/1994 | SANDSTONE | 23 | DOMESTIC | 40.693336 | -81.064568 |
| 138 | 854822 | AUGUSTA | 65 | 16 | 9/9/1997 | SANDSTONE | 9 | DOMESTIC | 40.692390 | -81.060883 |
| 139 | 803466 | AUGUSTA | 57 | 17 | 1/31/1997 | SHALE | 5 | DOMESTIC | 40.692270 | -81.059887 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|-----|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|-------------|--------------------|-------------------|
| 140 | 500348 | AUGUSTA | 54 | 15 | 6/8/1977 | SHALE | 45 | DOMESTIC | 40.683681 | -81.059843 |
| 141 | 522419 | AUGUSTA | 54 | 14 | 9/29/1977 | SHALE | 50 | DOMESTIC | 40.682159 | -81.059819 |
| 142 | 601535 | AUGUSTA | 60 | 15 | 7/29/1982 | SHALE | 10 | DOMESTIC | 40.681401 | -81.058238 |
| 143 | 2034558 | AUGUSTA | 40 | 1.6 | 9/9/2011 | SANDSTONE | 31 | DOMESTIC | 40.674650 | -81.050167 |
| 144 | 612602 | AUGUSTA | 115 | | 6/7/1983 | SAND & GRAVEL | | DOMESTIC | 40.674352 | -81.042192 |
| 145 | 775511 | AUGUSTA | 65 | 15 | 7/27/1993 | VOID | 52 | DOMESTIC | 40.672579 | -81.044506 |
| 146 | 3002804 | AUGUSTA | 128 | 60 | 8/18/2022 | SANDSTONE | | DOMESTIC | 40.669998 | -81.039273 |
| 147 | 803469 | AUGUSTA | 59 | 24 | 6/21/1997 | SHALE | 24 | DOMESTIC | 40.672840 | -81.044480 |
| 148 | 2083304 | AUGUSTA | 70 | 10 | 11/19/2020 | SANDSTONE | 35 | DOMESTIC | 40.662601 | -81.030991 |
| 149 | 820032 | AUGUSTA | 72 | 35 | 7/26/1995 | SHALE | 2 | DOMESTIC | 40.662393 | -81.028829 |
| 150 | 1008099 | AUGUSTA | 116 | 65 | 6/21/2014 | SANDSTONE | | DOMESTIC | 40.655921 | -81.024576 |
| 151 | 847028 | AUGUSTA | 98 | 41 | 7/7/1997 | SHALE | 7 | DOMESTIC | 40.662407 | -81.026493 |
| 152 | 820071 | AUGUSTA | 89 | 31 | 5/15/1996 | SANDSTONE | 8 | DOMESTIC | 40.661909 | -81.024861 |
| 153 | 820041 | AUGUSTA | 53 | 4 | 8/28/1995 | SHALE | 45 | DOMESTIC | 40.659860 | -81.026767 |
| 154 | 716348 | AUGUSTA | 70 | 14 | 4/15/1992 | SHALE | 2 | DOMESTIC | 40.653991 | -81.023236 |
| 155 | 931401 | AUGUSTA | 125 | 41 | 10/15/2001 | SHALE | 5 | DOMESTIC | 40.649800 | -81.017430 |
| 156 | 955306 | AUGUSTA | 94 | 42 | 5/19/2003 | CLAY & SHALE | | AGRIC/IRRIG | 40.649800 | -81.016820 |
| 157 | 550273 | AUGUSTA | 53 | 8 | 5/24/1980 | SANDSTONE | 50 | DOMESTIC | 40.648471 | -81.013448 |
| 158 | 2085779 | AUGUSTA | 62 | 38 | 4/27/2021 | SANDSTONE | | DOMESTIC | 40.650885 | -81.021478 |
| 159 | 2032968 | AUGUSTA | 187 | 133 | 6/24/2011 | SANDSTONE | 9 | DOMESTIC | 40.653500 | -81.016333 |
| 160 | 2037710 | AUGUSTA | 282 | 177 | 4/25/2012 | SANDSTONE | | DOMESTIC | 40.652667 | -81.027167 |
| 161 | 1012498 | AUGUSTA | 41 | 7 | 12/31/2009 | | | DOMESTIC | 40.647810 | -81.009160 |
| 162 | 930560 | AUGUSTA | 195 | 125 | 6/27/2001 | SHALE | 1 | AGRIC/IRRIG | 40.648490 | -80.996710 |
| 163 | 1019679 | AUGUSTA | 195 | 91 | 1/9/2017 | SANDSTONE | 1 | AGRIC/IRRIG | 40.648270 | -81.004200 |
| 164 | 1019680 | AUGUSTA | 205 | 97 | 4/16/2017 | SANDSTONE | | AGRIC/IRRIG | 40.646410 | -81.004310 |
| 165 | 2085259 | AUGUSTA | 150 | 57 | 3/22/2021 | SANDSTONE | | DOMESTIC | 40.650195 | -81.003397 |
| 166 | 598791 | AUGUSTA | 110 | 35 | 8/10/1983 | SHALE | 5 | DOMESTIC | 40.648851 | -81.002549 |
| 167 | 902255 | AUGUSTA | 150 | 83 | 7/31/2000 | SANDSTONE | 2 | DOMESTIC | 40.647140 | -80.993420 |
| 168 | 3015316 | AUGUSTA | 110 | 65 | 5/31/2024 | SHALE | | DOMESTIC | 40.649822 | -81.000342 |
| 169 | 718769 | AUGUSTA | 72 | 32 | 11/14/1991 | SHALE | 4 | DOMESTIC | 40.648343 | -81.000367 |
| 170 | 2058982 | AUGUSTA | 100 | 40 | 9/14/2016 | SHALE | 3 | DOMESTIC | 40.666459 | -81.037346 |
| 171 | 937307 | AUGUSTA | 227 | | 10/4/2001 | SANDSTONE & SHALE | | DOMESTIC | 40.684670 | -81.021500 |
| 172 | 120568 | AUGUSTA | 48 | 18 | 1/16/1954 | SANDSTONE | 8 | DOMESTIC | 40.684521 | -81.005640 |
| 173 | 123484 | AUGUSTA | 106 | | 8/13/1954 | SILT | | DOMESTIC | 40.699270 | -81.055323 |
| 174 | 213543 | AUGUSTA | 21 | 85 | 9/14/1959 | SAND | | DOMESTIC | 40.700114 | -81.068771 |
| 175 | 255357 | AUGUSTA | 80 | 60 | | SHALE | 30 | DOMESTIC | 40.699913 | -81.059248 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|-----|---------------|----------|------------------|-------------------------|-----------------|---------------|-----------------------|-----------------|--------------------|-------------------|
| 176 | 289158 | AUGUSTA | 100 | 60 | 5/27/1963 | SHALE | | PUBLIC/SEMI-PUB | 40.698123 | -81.049202 |
| 177 | 289159 | AUGUSTA | 227 | | 6/15/1963 | SANDSTONE | 25 | DOMESTIC | 40.682733 | -81.009657 |
| 178 | 291280 | AUGUSTA | 130 | 50 | 8/10/1963 | SHALE | 10 | | 40.685372 | -81.012051 |
| 179 | 355473 | AUGUSTA | 104 | 80 | 4/8/1967 | SANDSTONE | | DOMESTIC | 40.698379 | -81.041950 |
| 180 | 396659 | AUGUSTA | 190 | 150 | 10/1/1969 | SHALE | 95 | DOMESTIC | 40.687891 | -81.025344 |
| 181 | 411956 | AUGUSTA | 151 | | 9/10/1970 | SAND | 146 | DOMESTIC | 40.705077 | -81.082205 |
| 182 | 411970 | AUGUSTA | 170 | | 11/13/1970 | SAND & GRAVEL | | DOMESTIC | 40.705077 | -81.082205 |
| 183 | 432446 | AUGUSTA | 113 | 75 | 8/16/1972 | SAND | 3 | | 40.698050 | -81.049820 |
| 184 | 473179 | AUGUSTA | 205 | 160 | 6/9/1975 | SAND | 67 | | 40.687163 | -81.022919 |
| 185 | 516364 | AUGUSTA | 205 | 125 | 6/25/1977 | SHALE | 27 | DOMESTIC | 40.692946 | -81.036586 |
| 186 | 641760 | AUGUSTA | 127 | 79 | 10/2/1983 | SANDSTONE | | DOMESTIC | 40.681761 | -81.001750 |
| 187 | 643605 | AUGUSTA | 280 | 157 | 10/25/1984 | | | | 40.687436 | -81.023757 |
| 188 | 909965 | AUGUSTA | 205 | 165 | 10/15/2000 | SHALE | 8 | DOMESTIC | 40.687430 | -81.023020 |
| 189 | 611553 | AUGUSTA | 100 | 87 | 7/23/1981 | SANDSTONE | 20 | | 40.700227 | -81.071353 |
| 190 | 721457 | AUGUSTA | 113 | 75 | 6/27/1991 | SHALE | | DOMESTIC | 40.700204 | -81.071504 |
| 191 | 875627 | AUGUSTA | 133 | 53 | 9/11/1998 | SANDSTONE | | DOMESTIC | 40.700241 | -81.062282 |
| 192 | 635623 | AUGUSTA | 118 | 49 | 6/24/1986 | SHALE | | DOMESTIC | 40.700006 | -81.056075 |
| 193 | 514519 | AUGUSTA | 101 | 57 | 7/12/1977 | SHALE | 4 | DOMESTIC | 40.700115 | -81.055492 |
| 194 | 671866 | AUGUSTA | 111 | 63 | 10/26/1988 | SHALE | 3 | DOMESTIC | 40.699657 | -81.054840 |
| 195 | 671548 | AUGUSTA | 156 | 81 | 7/5/1988 | SHALE | | | 40.698283 | -81.046704 |
| 196 | 829671 | AUGUSTA | 150 | 99 | 8/19/1996 | SANDSTONE | 3 | DOMESTIC | 40.696308 | -81.039941 |
| 197 | 1012886 | AUGUSTA | 225 | 111 | 5/7/2013 | SANDSTONE | 10 | DOMESTIC | 40.695133 | -81.037283 |
| 198 | 1012884 | AUGUSTA | 185 | 123 | 4/16/2013 | SANDSTONE | 6 | DOMESTIC | 40.695617 | -81.035350 |
| 199 | 1012883 | AUGUSTA | 145 | 26 | 4/16/2013 | SANDSTONE | 11 | DOMESTIC | 40.692083 | -81.034033 |
| 200 | 998448 | AUGUSTA | 264 | 145 | 11/18/2005 | SHALE | 8 | DOMESTIC | 40.690330 | -81.031330 |
| 201 | 932479 | AUGUSTA | 155 | 50 | 2/27/2002 | CLAY & SHALE | | DOMESTIC | 40.689440 | -81.030560 |
| 202 | 858512 | AUGUSTA | 151 | 55 | 8/23/1997 | SANDSTONE | | DOMESTIC | 40.689885 | -81.030682 |
| 203 | 3013298 | AUGUSTA | 79 | 50 | 2/13/2024 | SANDSTONE | 1 | DOMESTIC | 40.690000 | -81.030556 |
| 204 | 1012885 | AUGUSTA | 145 | 50 | 5/7/2013 | SANDSTONE | 1 | DOMESTIC | 40.691500 | -81.029633 |
| 205 | 854852 | AUGUSTA | 150 | 70 | 11/12/1997 | SHALE | 8 | DOMESTIC | 40.688457 | -81.030202 |
| 206 | 883307 | AUGUSTA | 105 | 44 | 8/10/1998 | SHALE | 6 | DOMESTIC | 40.689250 | -81.030060 |
| 207 | 891160 | AUGUSTA | 235 | 170 | 2/1/2001 | CLAY & SHALE | 20 | PUBLIC/SEMI-PUB | 40.689149 | -81.028368 |
| 208 | 1010280 | AUGUSTA | 250 | 136 | 5/15/2008 | COAL | 1 | DOMESTIC | 40.685506 | -81.029226 |
| 209 | 883726 | AUGUSTA | 300 | 140 | 8/18/1998 | SANDSTONE | 8 | DOMESTIC | 40.687037 | -81.026926 |
| 210 | 573713 | AUGUSTA | 184 | 136 | 11/17/1980 | SHALE | 4 | DOMESTIC | 40.686536 | -81.024804 |
| 211 | 659072 | AUGUSTA | 324 | 153 | 5/2/1987 | SANDSTONE | 2 | | 40.687630 | -81.024460 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|-----|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|-------------|--------------------|-------------------|
| 212 | 642375 | AUGUSTA | 174 | 120 | 8/3/1987 | SANDSTONE | 40 | | 40.686036 | -81.016348 |
| 213 | 692832 | AUGUSTA | 38 | 28 | 6/4/1990 | SHALE | 15 | DOMESTIC | 40.685088 | -81.007732 |
| 214 | 875613 | AUGUSTA | 161 | 96 | 9/29/1998 | SHALE | 2 | DOMESTIC | 40.684080 | -81.005890 |
| 215 | 598757 | AUGUSTA | 61 | 10 | 6/4/1981 | SHALE | 8 | DOMESTIC | 40.681602 | -80.996277 |
| 216 | 820036 | AUGUSTA | 161 | 88 | 8/10/1995 | SHALE | 2 | DOMESTIC | 40.678264 | -80.996527 |
| 217 | 186920 | AUGUSTA | 90 | 28 | 12/22/1956 | SHALE | | DOMESTIC | 40.672086 | -81.079698 |
| 218 | 241471 | AUGUSTA | 143 | 100 | | SAND | 64 | DOMESTIC | 40.719506 | -81.035731 |
| 219 | 255351 | AUGUSTA | 135 | 92 | | SAND | 40 | DOMESTIC | 40.716307 | -81.036874 |
| 220 | 296764 | AUGUSTA | 78 | 39 | 7/8/1964 | SANDSTONE | 13 | | 40.713174 | -81.038423 |
| 221 | 320321 | AUGUSTA | 153 | 94 | 7/8/1965 | GRAVEL & CLAY | | DOMESTIC | 40.709389 | -81.041366 |
| 222 | 429267 | AUGUSTA | 70 | 16 | 5/16/1972 | SHALE | 20 | DOMESTIC | 40.685827 | -81.049414 |
| 223 | 429268 | AUGUSTA | 40 | 15 | 5/17/1972 | SHALE | 20 | DOMESTIC | 40.687284 | -81.051208 |
| 224 | 477499 | AUGUSTA | 63 | 23 | 6/2/1976 | SHALE | 22 | DOMESTIC | 40.674037 | -81.065414 |
| 225 | 491611 | AUGUSTA | 117 | 95 | 3/27/1976 | SHALE | 10 | DOMESTIC | 40.683466 | -81.049751 |
| 226 | 522376 | AUGUSTA | 64 | 12.5 | 7/26/1978 | SHALE | 48 | DOMESTIC | 40.713196 | -81.044763 |
| 227 | 2055386 | AUGUSTA | 80 | 20 | 12/15/2015 | SHALE & SANDSTONE | 6 | DOMESTIC | 40.672920 | -81.080920 |
| 228 | 635625 | AUGUSTA | 80 | 23 | 7/5/1986 | CLEANOUT | | DOMESTIC | 40.673038 | -81.072394 |
| 229 | 799321 | AUGUSTA | 91 | 14 | 9/19/1995 | SHALE | | DOMESTIC | 40.672879 | -81.072862 |
| 230 | 930572 | AUGUSTA | 91 | 14 | 11/21/2001 | COAL | 2 | DOMESTIC | 40.678070 | -81.072670 |
| 231 | 642356 | AUGUSTA | 66 | 30 | 8/10/1985 | COAL | 36 | | 40.669996 | -81.068980 |
| 232 | 718754 | AUGUSTA | 83 | 15 | 5/13/1991 | SHALE | 75 | DOMESTIC | 40.684418 | -81.049901 |
| 233 | 2068744 | AUGUSTA | 160 | 1 | 6/19/2018 | SANDSTONE | 27 | DOMESTIC | 40.684580 | -81.051010 |
| 234 | 643613 | AUGUSTA | 169 | 120 | 1/10/1985 | SHALE | | DOMESTIC | 40.688135 | -81.046397 |
| 235 | 708584 | AUGUSTA | 169 | 101 | 2/19/1990 | SHALE | | DOMESTIC | 40.688349 | -81.046410 |
| 236 | 608809 | AUGUSTA | 70 | 21.5 | 1/10/1983 | SHALE | | DOMESTIC | 40.694037 | -81.049120 |
| 237 | 516371 | AUGUSTA | 60 | 24 | 8/13/1977 | SANDSTONE | 34 | DOMESTIC | 40.694777 | -81.049218 |
| 238 | 2022224 | AUGUSTA | 160 | 1 | 5/6/2009 | SANDSTONE | 46 | AGRIC/IRRIG | 40.701010 | -81.040858 |
| 239 | 643646 | AUGUSTA | 182 | 109 | 10/5/1974 | SHALE | | | 40.709389 | -81.041366 |
| 240 | 891091 | AUGUSTA | 91 | 21 | 5/22/1999 | SHALE | 45 | DOMESTIC | 40.711280 | -81.039850 |
| 241 | 987599 | AUGUSTA | 266 | 21 | 6/24/2005 | | 2 | DOMESTIC | 40.672885 | -81.072869 |
| 242 | 123471 | AUGUSTA | 60 | | 6/17/1954 | SHALE | 50 | | 40.705782 | -81.045281 |
| 243 | 173397 | AUGUSTA | 86 | | 4/24/1957 | SHALE | 80 | DOMESTIC | 40.705138 | -81.069823 |
| 244 | 206056 | AUGUSTA | 65 | 8 | 8/2/1957 | SAND | | DOMESTIC | 40.704999 | -81.042536 |
| 245 | 225541 | AUGUSTA | 58 | | 10/12/1959 | SANDSTONE | 52 | DOMESTIC | 40.705994 | -81.060692 |
| 246 | 244231 | AUGUSTA | 218 | | 11/18/1960 | SHALE | 194 | DOMESTIC | 40.705184 | -81.076781 |
| 247 | 427523 | AUGUSTA | 41 | 1 | 7/29/1972 | CLAY & SHALE | 28 | DOMESTIC | 40.704836 | -81.062865 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|-----|---------------|----------|------------------|-------------------------|-----------------|-----------------|-----------------------|----------|--------------------|-------------------|
| 248 | 433582 | AUGUSTA | 51 | 9 | 9/9/1972 | SANDSTONE | 15 | | 40.704952 | -81.065145 |
| 249 | 454034 | AUGUSTA | 60 | | 6/12/1973 | COAL | 42 | DOMESTIC | 40.705471 | -81.051153 |
| 250 | 464240 | AUGUSTA | 54 | 15 | 7/26/1974 | SANDSTONE | 3 | DOMESTIC | 40.706590 | -81.067563 |
| 251 | 611554 | AUGUSTA | 75 | 29 | 9/1/1981 | SHALE | | | 40.711514 | -81.083951 |
| 252 | 3009915 | AUGUSTA | 90 | 10 | 8/18/2023 | SHALE | 52 | DOMESTIC | 40.705380 | -81.071433 |
| 253 | 935362 | AUGUSTA | 258 | 2 | 7/19/2001 | SHALE | 61 | DOMESTIC | 40.705220 | -81.052580 |
| 254 | 708577 | AUGUSTA | 54 | 2 | 1/9/1990 | SANDSTONE | 34 | DOMESTIC | 40.705348 | -81.065432 |
| 255 | 922494 | AUGUSTA | 50 | 17 | 11/19/2001 | LOAM | 19 | DOMESTIC | 40.705670 | -81.062930 |
| 256 | 510339 | AUGUSTA | 180 | 10 | 2/14/1977 | SHALE | 140 | | 40.705991 | -81.057932 |
| 257 | 501547 | AUGUSTA | 80 | 15 | 7/2/1976 | SHALE | 30 | DOMESTIC | 40.705830 | -81.055482 |
| 258 | 642379 | AUGUSTA | 40 | 15 | 10/20/1987 | SANDSTONE | | | 40.705600 | -81.053713 |
| 259 | 486501 | AUGUSTA | 53 | | 6/10/1975 | SHALE | 18 | DOMESTIC | 40.705835 | -81.052457 |
| 260 | 858502 | AUGUSTA | 128 | 14 | 7/1/1997 | SHALE | 3 | DOMESTIC | 40.705896 | -81.046310 |
| 261 | 3009107 | AUGUSTA | 60 | 6 | 7/20/2023 | SANDSTONE | 31 | DOMESTIC | 40.706878 | -81.037409 |
| 262 | 599336 | AUGUSTA | 75 | 8 | 11/20/1983 | CLAY/SAND/SHALE | | | 40.702531 | -81.016859 |
| 263 | 803446 | AUGUSTA | 56 | 10 | 11/28/1995 | SHALE | 41 | DOMESTIC | 40.702926 | -81.014709 |
| 264 | 306595 | AUGUSTA | 182 | 120 | 11/10/1968 | SHALE | 1 | | 40.648219 | -81.030958 |
| 265 | 394354 | AUGUSTA | 145 | 120 | 7/8/1969 | SANDSTONE | 6 | DOMESTIC | 40.649180 | -81.027972 |
| 266 | 464211 | AUGUSTA | 46 | 6 | 11/27/1973 | SANDSTONE | 4 | DOMESTIC | 40.646629 | -81.042601 |
| 267 | 493383 | AUGUSTA | 145 | 100 | 10/2/1976 | SANDSTONE | | DOMESTIC | 40.648761 | -81.029178 |
| 268 | 679110 | AUGUSTA | 178 | 124 | 8/8/1988 | SHALE | 8 | DOMESTIC | 40.648560 | -81.031142 |
| 269 | 643602 | AUGUSTA | 178 | 123 | 10/10/1984 | SHALE | 2 | DOMESTIC | 40.648295 | -81.030101 |
| 270 | 160567 | AUGUSTA | 110 | 12 | 12/24/1955 | SHALE | 36 | DOMESTIC | 40.706228 | -81.073089 |
| 271 | 49409 | AUGUSTA | 58 | 10 | 1/1/1951 | SHALE | 38 | | 40.679194 | -81.028585 |
| 272 | 64324 | AUGUSTA | 49 | | 8/25/1952 | SANDSTONE | | | 40.712816 | -81.076369 |
| 273 | 89200 | AUGUSTA | 80 | 40 | | SHALE | 45 | DOMESTIC | 40.649475 | -81.060845 |
| 274 | 92679 | AUGUSTA | 40 | 15 | | SHALE | 30 | | 40.656696 | -81.056779 |
| 275 | 143597 | AUGUSTA | 27 | 10 | 9/23/1955 | SHALE | 22 | DOMESTIC | 40.685655 | -81.018714 |
| 276 | 173373 | AUGUSTA | 185 | | 8/14/1956 | SANDSTONE | 20 | DOMESTIC | 40.685676 | -81.020165 |
| 277 | 213510 | AUGUSTA | 62 | 30 | 9/2/1958 | SAND | | DOMESTIC | 40.680198 | -81.026014 |
| 278 | 239975 | AUGUSTA | 30 | 5 | 10/6/1961 | SAND | | DOMESTIC | 40.679211 | -81.026336 |
| 279 | 241464 | AUGUSTA | 35 | 4 | | SHALE | 25 | | 40.705245 | -81.006777 |
| 280 | 241495 | AUGUSTA | 195 | 140 | | SANDSTONE | 68 | DOMESTIC | 40.687327 | -81.016222 |
| 281 | 244216 | AUGUSTA | 220 | 185 | 7/18/1960 | SANDSTONE | | DOMESTIC | 40.686298 | -81.022057 |
| 282 | 256680 | AUGUSTA | 191 | 148 | 4/12/1961 | SANDSTONE | | DOMESTIC | 40.686541 | -81.016256 |
| 283 | 269313 | AUGUSTA | 188 | 149 | 10/31/1961 | SANDSTONE | 20 | DOMESTIC | 40.685591 | -81.018207 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|-----|---------------|----------|------------------|-------------------------|-----------------|---------------|-----------------------|-------------|--------------------|-------------------|
| 284 | 289183 | AUGUSTA | 200 | 175 | 3/3/1964 | SANDSTONE | 10 | DOMESTIC | 40.686878 | -81.016968 |
| 285 | 289188 | AUGUSTA | 56 | 20 | 5/27/1964 | SANDSTONE | 40 | | 40.700470 | -81.008688 |
| 286 | 296830 | AUGUSTA | 88 | 46 | 7/29/1965 | SANDSTONE | | DOMESTIC | 40.680608 | -81.026818 |
| 287 | 296876 | AUGUSTA | 68 | 30 | 1/6/1964 | SANDSTONE | | | 40.685696 | -81.022313 |
| 288 | 336371 | AUGUSTA | 95 | 10 | 10/20/1966 | SHALE | 85 | | 40.660252 | -81.045867 |
| 289 | 353805 | AUGUSTA | 185 | 140 | 8/8/1966 | LIMESTONE | 30 | DOMESTIC | 40.686487 | -81.016292 |
| 290 | 353806 | AUGUSTA | 37 | 10 | 8/8/1966 | SANDSTONE | 32 | DOMESTIC | 40.703040 | -81.010856 |
| 291 | 353810 | AUGUSTA | 37 | 10 | 8/9/1966 | SANDSTONE | 32 | DOMESTIC | 40.702987 | -81.010115 |
| 292 | 372048 | AUGUSTA | 70 | 35 | 10/16/1968 | SAND | | DOMESTIC | 40.686215 | -81.019471 |
| 293 | 372803 | AUGUSTA | 73 | 40 | 11/6/1967 | SHALE | 8 | DOMESTIC | 40.685473 | -81.019830 |
| 294 | 396674 | AUGUSTA | 181 | 130 | | SANDSTONE | 30 | DOMESTIC | 40.686116 | -81.017168 |
| 295 | 396675 | AUGUSTA | 80 | 40 | | SHALE | 40 | DOMESTIC | 40.686172 | -81.021526 |
| 296 | 400703 | AUGUSTA | 135 | 75 | 9/26/1969 | SAND | | DOMESTIC | 40.692968 | -81.014676 |
| 297 | 411996 | AUGUSTA | 98 | 44 | 7/7/1971 | SHALE | | DOMESTIC | 40.680608 | -81.026818 |
| 298 | 424351 | AUGUSTA | 68 | 17 | 7/16/1971 | SAND | 4 | DOMESTIC | 40.696440 | -81.009635 |
| 299 | 424353 | AUGUSTA | 70 | 20 | 7/28/1971 | SANDSTONE | 4 | DOMESTIC | 40.686222 | -81.019996 |
| 300 | 427538 | AUGUSTA | 78 | 60 | 2/20/1973 | SANDSTONE | | DOMESTIC | 40.675635 | -81.028697 |
| 301 | 458313 | AUGUSTA | 45 | 15 | 9/25/1973 | CLAY & SHALE | 16 | DOMESTIC | 40.655855 | -81.058964 |
| 302 | 464247 | AUGUSTA | 106 | 37 | 10/11/1974 | SHALE | 6 | DOMESTIC | 40.686161 | -81.017920 |
| 303 | 500304 | AUGUSTA | 134 | 34 | 7/7/1976 | SHALE | 108 | DOMESTIC | 40.648508 | -81.064027 |
| 304 | 516394 | AUGUSTA | 207 | 155 | 4/29/1978 | SHALE | 46 | DOMESTIC | 40.686207 | -81.018832 |
| 305 | 522389 | AUGUSTA | 210 | 138 | 9/28/1978 | SAND | 4 | DOMESTIC | 40.685480 | -81.020378 |
| 306 | 532044 | AUGUSTA | 230 | 149 | 11/7/1978 | SHALE | | DOMESTIC | 40.685518 | -81.019281 |
| 307 | 716341 | AUGUSTA | 193 | 135 | 2/14/1992 | SHALE | 3 | AGRIC/IRRIG | 40.589463 | -81.080575 |
| 308 | 643612 | AUGUSTA | 254 | 149 | 1/10/1985 | SHALE | 4 | DOMESTIC | 40.685437 | -81.023802 |
| 309 | 766953 | AUGUSTA | 400 | 131 | 2/8/1993 | SHALE | 3 | DOMESTIC | 40.646868 | -81.064553 |
| 310 | 716343 | AUGUSTA | 127 | 57 | 2/25/1992 | SHALE | | DOMESTIC | 40.652794 | -81.065130 |
| 311 | 875629 | AUGUSTA | 84 | 31 | 9/18/1998 | SHALE | | DOMESTIC | 40.684960 | -81.023270 |
| 312 | 527971 | AUGUSTA | 73 | 25 | 10/19/1978 | SANDSTONE | 32 | DOMESTIC | 40.661231 | -81.038483 |
| 313 | 1007077 | AUGUSTA | 145 | 104 | 7/2/2008 | SANDSTONE | 2 | DOMESTIC | 40.666700 | -81.036000 |
| 314 | 718763 | AUGUSTA | 197 | 132 | 9/10/1991 | SHALE | 6 | DOMESTIC | 40.668517 | -81.030390 |
| 315 | 613632 | AUGUSTA | 130 | 85 | 6/29/1987 | SANDSTONE | 9 | DOMESTIC | 40.667506 | -81.032926 |
| 316 | 613642 | AUGUSTA | 150 | 105 | 10/25/1987 | SHALE | 9 | DOMESTIC | 40.667487 | -81.032732 |
| 317 | 1002448 | AUGUSTA | 177 | 97 | 1/9/2007 | SHALE | | DOMESTIC | 40.667500 | -81.032500 |
| 318 | 718764 | AUGUSTA | 151 | 85 | 9/14/1991 | SHALE | 4 | DOMESTIC | 40.667926 | -81.033181 |
| 319 | 955305 | AUGUSTA | 174 | 65 | 5/13/2003 | EXISTING WELL | | DOMESTIC | 40.688340 | -81.016660 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|-----|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|----------|--------------------|-------------------|
| 320 | 803429 | AUGUSTA | 69 | 20 | 11/8/1994 | SHALE | 6 | DOMESTIC | 40.673054 | -81.030724 |
| 321 | 679111 | AUGUSTA | 162 | 121 | 8/22/1988 | SHALE | 2 | DOMESTIC | 40.673771 | -81.029383 |
| 322 | 370084 | AUGUSTA | 110 | 63 | 9/26/1979 | SAND | 30 | | 40.674601 | -81.029461 |
| 323 | 2057521 | AUGUSTA | 150 | 82 | 6/16/2016 | SANDSTONE | | DOMESTIC | 40.675854 | -81.030731 |
| 324 | 491608 | AUGUSTA | 146 | 91 | 2/12/1976 | SANDSTONE | 20 | DOMESTIC | 40.676280 | -81.028226 |
| 325 | 671885 | AUGUSTA | 160 | 90 | 4/25/1990 | SHALE | 4 | DOMESTIC | 40.677316 | -81.028370 |
| 326 | 671888 | AUGUSTA | 204 | 160 | 5/9/1990 | SHALE | 3 | DOMESTIC | 40.679565 | -81.026730 |
| 327 | 965314 | AUGUSTA | 240 | 163 | 10/25/2003 | SHALE | | DOMESTIC | 40.680666 | -81.028333 |
| 328 | 477470 | AUGUSTA | 172 | 140 | 9/15/1975 | SHALE | 4 | DOMESTIC | 40.680608 | -81.026818 |
| 329 | 718755 | AUGUSTA | 202 | 160 | 5/31/1991 | SHALE | 4 | DOMESTIC | 40.680813 | -81.026564 |
| 330 | 891080 | AUGUSTA | 252 | 160 | 3/15/1999 | SHALE | 2 | DOMESTIC | 40.703000 | -81.009280 |
| 331 | 1019126 | AUGUSTA | 192 | 130 | 12/14/2017 | UNKNOWN | | DOMESTIC | 40.684000 | -81.025288 |
| 332 | 965326 | AUGUSTA | 112 | 40 | 2/7/2003 | CLEANOUT | 84 | DOMESTIC | 40.684000 | -81.023830 |
| 333 | 395547 | AUGUSTA | 259 | 155 | 11/15/1971 | SHALE | | DOMESTIC | 40.685354 | -81.022731 |
| 334 | 716302 | AUGUSTA | 263 | 147 | 7/11/1990 | SHALE | 4 | DOMESTIC | 40.684961 | -81.023111 |
| 335 | 920831 | AUGUSTA | 185 | 150 | 1/7/2002 | MUD | 6 | DOMESTIC | 40.685970 | -81.022480 |
| 336 | 747177 | AUGUSTA | 213 | 155 | 3/7/1992 | SHALE | 3 | DOMESTIC | 40.686223 | -81.022632 |
| 337 | 972721 | AUGUSTA | 223 | 147 | 3/26/2004 | MUD | 10 | DOMESTIC | 40.686000 | -81.022033 |
| 338 | 1019542 | AUGUSTA | 265 | 130 | 6/22/2017 | SHALE | | DOMESTIC | 40.686272 | -81.021008 |
| 339 | 747219 | AUGUSTA | 207 | 160 | 8/9/1994 | SHALE | | DOMESTIC | 40.686189 | -81.020377 |
| 340 | 2084004 | AUGUSTA | 200 | 115 | 1/4/2021 | SANDSTONE | 7 | DOMESTIC | 40.685664 | -81.019646 |
| 341 | 3012043 | AUGUSTA | 216 | 165 | 10/17/2023 | SANDSTONE | | DOMESTIC | 40.686100 | -81.019920 |
| 342 | 572351 | AUGUSTA | 242 | 160 | 3/24/1980 | SAND | | DOMESTIC | 40.685564 | -81.018778 |
| 343 | 1021420 | AUGUSTA | 245 | 135 | 1/8/2020 | ROCK | | DOMESTIC | 40.685564 | -81.019243 |
| 344 | 902187 | AUGUSTA | 200 | 138 | 10/3/1999 | SHALE | 4 | DOMESTIC | 40.685705 | -81.018730 |
| 345 | 891102 | AUGUSTA | 201 | 137 | 8/6/1999 | SHALE | 181 | DOMESTIC | 40.686017 | -81.017194 |
| 346 | 938904 | AUGUSTA | 100 | 21 | 7/11/2002 | SANDSTONE & SHALE | 9 | DOMESTIC | 40.686970 | -81.021480 |
| 347 | 671872 | AUGUSTA | 201 | 135 | 12/14/1988 | SHALE | 7 | DOMESTIC | 40.685678 | -81.016701 |
| 348 | 400739 | AUGUSTA | 200 | 160 | 7/23/1970 | SAND | 4 | DOMESTIC | 40.687261 | -81.017051 |
| 349 | 2040919 | AUGUSTA | 232 | 151 | 11/28/2012 | SANDSTONE & SHALE | 22 | DOMESTIC | 40.687500 | -81.017000 |
| 350 | 598797 | AUGUSTA | 150 | 110 | 10/24/1983 | SANDSTONE | 5 | DOMESTIC | 40.695336 | -81.011656 |
| 351 | 642384 | AUGUSTA | 114 | 60 | 6/30/1988 | SHALE | 12 | | 40.692865 | -81.014774 |
| 352 | 679112 | AUGUSTA | 283 | 164 | 8/22/1988 | SHALE | | DOMESTIC | 40.692889 | -81.014802 |
| 353 | 747202 | AUGUSTA | 191 | 140 | 3/19/1993 | SHALE | | DOMESTIC | 40.697253 | -81.010679 |
| 354 | 3009259 | AUGUSTA | 260 | 93 | 7/21/2023 | SANDSTONE | 8 | DOMESTIC | 40.675817 | -81.028816 |
| 355 | 64314 | AUGUSTA | 68 | | 9/10/1950 | SHALE | 38 | | 40.689423 | -81.061250 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|-----|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|----------|--------------------|-------------------|
| 356 | 367363 | AUGUSTA | 117 | 34 | 7/2/1967 | COAL | 57 | DOMESTIC | 40.685469 | -81.077717 |
| 357 | 944306 | AUGUSTA | 100 | | 6/27/2002 | SHALE & SANDSTONE | 44 | DOMESTIC | 40.685206 | -81.084125 |
| 358 | 2084835 | AUGUSTA | 100 | 18 | 2/8/2021 | SANDSTONE | 29 | DOMESTIC | 40.688900 | -81.061597 |
| 359 | 468474 | AUGUSTA | 51 | 8 | 6/27/1974 | SHALE | | DOMESTIC | 40.683263 | -81.071604 |
| 360 | 1019109 | AUGUSTA | 60 | 16 | 6/24/2016 | SHALE | 8 | DOMESTIC | 40.683150 | -81.071333 |
| 361 | 464196 | AUGUSTA | 35 | 34 | 8/22/1974 | SANDSTONE | 4 | DOMESTIC | 40.683328 | -81.069834 |
| 362 | 368414 | AUGUSTA | 30 | 10 | 10/1/1969 | SAND | | DOMESTIC | 40.671789 | -81.028041 |
| 363 | 427265 | AUGUSTA | 50 | 1 | 7/31/1972 | SANDSTONE | 44 | DOMESTIC | 40.672197 | -81.029343 |
| 364 | 427511 | AUGUSTA | 40 | 1 | 3/2/1972 | CLAY & SHALE | 10 | DOMESTIC | 40.671971 | -81.028721 |
| 365 | 861078 | AUGUSTA | 66 | 18 | 11/20/1997 | SHALE | 7 | DOMESTIC | 40.672170 | -81.030050 |
| 366 | 370077 | AUGUSTA | 78 | 10 | 8/11/1979 | SHALE | 65 | DOMESTIC | 40.671472 | -81.027078 |
| 367 | 370069 | AUGUSTA | 192 | 125 | 6/30/1979 | SHALE | 1 | DOMESTIC | 40.649012 | -81.087051 |
| 368 | 429274 | AUGUSTA | 95 | 70 | 7/7/1972 | SHALE | 12 | DOMESTIC | 40.673617 | -81.049281 |
| 369 | 443625 | AUGUSTA | 92 | 60 | 10/31/1972 | SHALE | 4 | | 40.656414 | -81.072409 |
| 370 | 464157 | AUGUSTA | 110 | 60 | 12/5/1973 | SHALE | | | 40.656414 | -81.072409 |
| 371 | 493358 | AUGUSTA | 100 | | 4/14/1976 | SHALE | 20 | DOMESTIC | 40.673009 | -81.049352 |
| 372 | 492376 | AUGUSTA | 98 | 40 | 9/25/1976 | SHALE | 30 | | 40.649290 | -81.088470 |
| 373 | 1016771 | AUGUSTA | 154 | 74 | 10/1/2012 | SHALE | | DOMESTIC | 40.649250 | -81.088600 |
| 374 | 781609 | AUGUSTA | 304 | 131 | 5/2/1994 | SHALE | | DOMESTIC | 40.649286 | -81.085866 |
| 375 | 477498 | AUGUSTA | 245 | 125 | 6/1/1976 | SHALE | 3 | | 40.649755 | -81.083899 |
| 376 | 1022537 | AUGUSTA | 235 | 52 | 9/21/2023 | COAL | 8 | DOMESTIC | 40.648142 | -81.082033 |
| 377 | 500335 | AUGUSTA | 318 | 160 | 3/29/1977 | SHALE | | DOMESTIC | 40.652867 | -81.080753 |
| 378 | 573704 | AUGUSTA | 178 | 75 | 9/27/1980 | SHALE | 4 | DOMESTIC | 40.656414 | -81.072409 |
| 379 | 635620 | AUGUSTA | 264 | 89 | 6/21/1986 | SHALE | 10 | DOMESTIC | 40.659769 | -81.072280 |
| 380 | 643633 | AUGUSTA | 285 | 72 | 8/3/1985 | SHALE | | | 40.656414 | -81.072409 |
| 381 | 679129 | AUGUSTA | 117 | 71 | 10/18/1985 | COAL | 14 | | 40.656852 | -81.073346 |
| 382 | 891161 | AUGUSTA | 128 | 41 | 1/18/2001 | SHALE | | DOMESTIC | 40.669690 | -81.052170 |
| 383 | 967500 | AUGUSTA | 250 | 135 | 11/24/2004 | | 2 | DOMESTIC | 40.658610 | -81.069440 |
| 384 | 912846 | AUGUSTA | 125 | 65 | 5/18/2000 | SHALE | 10 | DOMESTIC | 40.669840 | -81.051880 |
| 385 | 930232 | AUGUSTA | 255 | 126 | 5/23/2002 | CLAY & SHALE | | DOMESTIC | 40.669740 | -81.051500 |
| 386 | 902212 | AUGUSTA | 225 | 136 | 1/7/2000 | SHALE | 2 | DOMESTIC | 40.669940 | -81.051750 |
| 387 | 557722 | AUGUSTA | 223 | 130 | 10/17/1980 | COAL | | | 40.664872 | -81.055404 |
| 388 | 635616 | AUGUSTA | 220 | 155 | 6/5/1986 | SHALE | | DOMESTIC | 40.665343 | -81.054880 |
| 389 | 930551 | AUGUSTA | 220 | 155 | 3/20/2001 | CLEANOUT | | DOMESTIC | 40.664370 | -81.055770 |
| 390 | 820074 | AUGUSTA | 181 | 95 | 6/18/1996 | SHALE | 8 | DOMESTIC | 40.672764 | -81.050090 |
| 391 | 957288 | AUGUSTA | 110 | 15 | 5/10/2004 | SHALE | 2 | DOMESTIC | 40.674030 | -81.049200 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|-----|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|-------------|--------------------|-------------------|
| 392 | 25323 | AUGUSTA | 43 | | 10/21/1952 | SHALE | 4 | | 40.713247 | -81.076551 |
| 393 | 64325 | AUGUSTA | 78 | | 8/27/1952 | SHALE | 68 | | 40.713542 | -81.076287 |
| 394 | 160579 | AUGUSTA | 84 | 5 | 6/19/1956 | SHALE | 12 | DOMESTIC | 40.712018 | -81.076378 |
| 395 | 405248 | AUGUSTA | 74 | 46 | 5/24/1971 | SANDSTONE | 14 | DOMESTIC | 40.718043 | -81.077680 |
| 396 | 891148 | AUGUSTA | 135 | 63 | 9/11/2000 | SHALE | 2 | DOMESTIC | 40.645430 | -81.075060 |
| 397 | 3002541 | AUGUSTA | 171 | 130 | 8/12/2022 | SHALE | | DOMESTIC | 40.653892 | -81.082861 |
| 398 | 875624 | AUGUSTA | 267 | 203 | 8/22/1998 | OLD WELL | | DOMESTIC | 40.661320 | -81.082370 |
| 399 | 3002501 | AUGUSTA | 140 | 50 | 7/13/2022 | SANDSTONE | 1 | DOMESTIC | 40.656272 | -81.082168 |
| 400 | 875601 | AUGUSTA | 163 | 110 | 4/22/1998 | SHALE | 2 | DOMESTIC | 40.661870 | -81.081990 |
| 401 | 3003912 | AUGUSTA | 300 | 137 | 10/12/2022 | SANDSTONE | 2 | DOMESTIC | 40.668176 | -81.086509 |
| 402 | 772240 | AUGUSTA | 350 | 124 | 9/28/1993 | SILTSTONE | | DOMESTIC | 40.660473 | -81.083043 |
| 403 | 2057925 | AUGUSTA | 300 | 160 | 6/27/2016 | SANDSTONE | | DOMESTIC | 40.661299 | -81.082437 |
| 404 | 2068663 | AUGUSTA | 80 | | 6/24/2016 | SANDSTONE | | ABANDONED | 40.661299 | -81.082437 |
| 405 | 2071374 | AUGUSTA | 118 | 82 | 12/6/2018 | SANDSTONE | | DOMESTIC | 40.661348 | -81.082408 |
| 406 | 781584 | AUGUSTA | 96 | 61 | 11/8/1993 | SHALE | 2 | DOMESTIC | 40.660713 | -81.077930 |
| 407 | 2033994 | AUGUSTA | 378 | 34 | 8/12/2011 | SANDSTONE | 2 | AGRIC/IRRIG | 40.663000 | -81.082167 |
| 408 | 2004318 | AUGUSTA | 158 | 58 | 8/2/2006 | SANDSTONE & SHALE | 7 | DOMESTIC | 40.662330 | -81.086670 |
| 409 | 839434 | AUGUSTA | 156 | 92 | 8/17/1996 | SHALE | 20 | DOMESTIC | 40.663032 | -81.086911 |
| 410 | 781603 | AUGUSTA | 350 | 138 | 3/25/1994 | SHALE | 2 | DOMESTIC | 40.668946 | -81.087396 |
| 411 | 942259 | AUGUSTA | 175 | 120 | 8/19/2002 | SHALE | 2 | AGRIC/IRRIG | 40.668870 | -81.087650 |
| 412 | 213532 | AUGUSTA | 166 | 100 | 8/30/1959 | SHALE | 15 | DOMESTIC | 40.665356 | -81.074000 |
| 413 | 427522 | AUGUSTA | 45 | 6 | 7/21/1972 | CLAY & SHALE | | DOMESTIC | 40.671220 | -81.073004 |
| 414 | 477453 | AUGUSTA | 109 | 71 | 3/20/1975 | SHALE | 4 | DOMESTIC | 40.671063 | -81.074376 |
| 415 | 844756 | AUGUSTA | 110 | 43 | 2/4/1997 | SANDSTONE | 26 | DOMESTIC | 40.656469 | -81.066051 |
| 416 | 891126 | AUGUSTA | 208 | 5.4 | 12/22/1999 | SHALE | | DOMESTIC | 40.656640 | -81.065570 |
| 417 | 500317 | AUGUSTA | 65 | 16 | 11/1/1976 | SANDSTONE | 6 | DOMESTIC | 40.663283 | -81.070836 |
| 418 | 572363 | AUGUSTA | 64 | 12 | 9/1/1980 | SAND | 12 | DOMESTIC | 40.662619 | -81.069881 |
| 419 | 573714 | AUGUSTA | 140 | 75 | 11/19/1980 | SHALE | 15 | DOMESTIC | 40.666288 | -81.074820 |
| 420 | 578655 | AUGUSTA | 142 | 29 | 9/21/1981 | SHALE | 8 | DOMESTIC | 40.668958 | -81.076360 |
| 421 | 1002463 | AUGUSTA | 77 | 10 | 9/5/2007 | SANDSTONE & SHALE | | DOMESTIC | 40.666333 | -81.043500 |
| 422 | 143578 | AUGUSTA | 41 | 18 | 6/15/1955 | SHALE | 20 | DOMESTIC | 40.703434 | -81.086580 |
| 423 | 424387 | AUGUSTA | 66 | | 10/19/1971 | COAL | 60 | DOMESTIC | 40.698123 | -81.087432 |
| 424 | 464177 | AUGUSTA | 89 | 50 | 5/20/1974 | SHALE | 6 | DOMESTIC | 40.691082 | -81.087410 |
| 425 | 725781 | AUGUSTA | 70 | 30 | 7/30/1991 | SANDSTONE | | DOMESTIC | 40.697100 | -81.088982 |
| 426 | 772468 | AUGUSTA | 242 | 90 | 12/1/1993 | SANDSTONE | | DOMESTIC | 40.698898 | -81.092245 |
| 427 | 839444 | AUGUSTA | 63 | 12 | 9/28/1996 | SHALE | 40 | DOMESTIC | 40.703217 | -81.085539 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|-----|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|------------|--------------------|-------------------|
| 428 | 599374 | AUGUSTA | 159 | | 10/24/1981 | SHALE | 115 | DOMESTIC | 40.703661 | -81.083662 |
| 429 | 909968 | AUGUSTA | 154 | 5 | 12/15/2000 | SHALE | 101 | DOMESTIC | 40.711680 | -81.075480 |
| 430 | 868889 | AUGUSTA | 80 | 35 | 7/9/1998 | SANDSTONE | | DOMESTIC | 40.712047 | -81.076029 |
| 431 | 987260 | AUGUSTA | 140 | 1 | 4/25/2006 | SANDSTONE | 100 | DOMESTIC | 40.712230 | -81.075470 |
| 432 | 898819 | AUGUSTA | 120 | 60 | 11/6/1999 | SHALE | 88 | DOMESTIC | 40.720450 | -81.074400 |
| 433 | 737613 | AUGUSTA | 89 | 19 | 12/24/1991 | SHALE & SANDSTONE | 20 | DOMESTIC | 40.714214 | -81.075850 |
| 434 | 552966 | AUGUSTA | 50 | 37 | 9/20/1979 | SANDSTONE | | | 40.715937 | -81.076151 |
| 435 | 762045 | AUGUSTA | 95 | 45 | 3/11/1993 | SHALE | | DOMESTIC | 40.719146 | -81.077244 |
| 436 | 476206 | AUGUSTA | 250 | 120 | 10/25/1974 | SHALE | | DOMESTIC | 40.716031 | -81.062794 |
| 437 | 557728 | AUGUSTA | 154 | 94 | 1/19/1981 | SANDSTONE | 4 | | 40.714315 | -81.068025 |
| 438 | 770871 | AUGUSTA | 63 | 15 | 9/20/1994 | SHALE | 14 | DOMESTIC | 40.713114 | -81.072957 |
| 439 | 971639 | AUGUSTA | 172 | 144 | 8/2/2005 | | 2 | DOMESTIC | 40.709500 | -81.070500 |
| 440 | 666771 | AUGUSTA | 218 | | | SANDSTONE | | DOMESTIC | 40.714623 | -81.068095 |
| 441 | 844764 | AUGUSTA | 169 | 108 | 7/3/1997 | SHALE | 18 | DOMESTIC | 40.716219 | -81.063658 |
| 442 | 225542 | AUGUSTA | 91 | 10 | 10/8/1959 | SANDSTONE | 76 | DOMESTIC | 40.720048 | -81.055531 |
| 443 | 273728 | AUGUSTA | 114 | 60 | | SANDSTONE | | DOMESTIC | 40.719619 | -81.054383 |
| 444 | 433572 | AUGUSTA | 119 | 45 | 7/20/1972 | SHALE | | DOMESTIC | 40.709806 | -81.053740 |
| 445 | 504387 | AUGUSTA | 85 | | 9/14/1976 | SHALE | 80 | | 40.706698 | -81.055406 |
| 446 | 504386 | AUGUSTA | 115 | | 9/14/1976 | SHALE | 100 | | 40.707523 | -81.055331 |
| 447 | 781612 | AUGUSTA | 72 | 28 | 5/20/1994 | SHALE | 10 | DOMESTIC | 40.707397 | -81.053672 |
| 448 | 3004725 | AUGUSTA | 115 | 42 | 11/16/2022 | SHALE | 1 | DOMESTIC | 40.711944 | -81.053889 |
| 449 | 957255 | AUGUSTA | 131 | 20 | 11/17/2002 | SHALE | 1 | DOMESTIC | 40.721670 | -81.054870 |
| 450 | 884394 | AUGUSTA | 145 | 23 | 5/14/1999 | SHALE | 37 | DOMESTIC | 40.714760 | -81.056590 |
| 451 | 944318 | AUGUSTA | 180 | 60 | 7/30/2002 | LIMESTONE | 8 | DOMESTIC | 40.713530 | -81.056500 |
| 452 | 84074 | AUGUSTA | 50 | | 6/11/1953 | SHALE | 17 | DOMESTIC | 40.715047 | -81.032187 |
| 453 | 173364 | AUGUSTA | 126 | | 6/8/1956 | SHALE | | DOMESTIC | 40.718983 | -81.029602 |
| 454 | 795244 | AUGUSTA | 104 | 65 | 2/7/1995 | SANDSTONE | | INDUSTRIAL | 40.706919 | -81.034340 |
| 455 | 982385 | AUGUSTA | 125 | 21 | 12/10/2004 | | 34 | DOMESTIC | 40.719350 | -81.028720 |
| 456 | 527975 | AUGUSTA | 124 | 110 | 11/13/1978 | SHALE | 108 | DOMESTIC | 40.705065 | -81.009498 |
| 457 | 747209 | AUGUSTA | 81 | 38 | 7/23/1993 | SHALE | 17 | DOMESTIC | 40.706039 | -81.010285 |
| 458 | 2021433 | AUGUSTA | 70 | 20 | 3/19/2009 | SHALE | 40 | DOMESTIC | 40.710500 | -81.008567 |
| 459 | 797365 | AUGUSTA | 132 | 44 | 6/17/1996 | SANDSTONE | 16 | DOMESTIC | 40.712282 | -81.007942 |
| 460 | 772241 | AUGUSTA | 350 | 124 | 9/28/1993 | SILTSTONE | 265 | DOMESTIC | 40.660486 | -81.083089 |
| 461 | 49408 | AUGUSTA | 136 | 106 | | SHALE | 35 | | 40.663440 | -81.084103 |
| 462 | 573702 | AUGUSTA | 148 | 45 | 9/17/1980 | COAL | 5 | DOMESTIC | 40.667135 | -81.087064 |
| 463 | 984663 | AUGUSTA | 180 | 138 | 6/26/2008 | SANDSTONE | 37 | DOMESTIC | 40.657000 | -81.076170 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|-----|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|-------------|--------------------|-------------------|
| 464 | 527983 | AUGUSTA | 125 | 75 | 5/31/1979 | SANDSTONE | 8 | DOMESTIC | 40.666871 | -80.997409 |
| 465 | 981433 | AUGUSTA | 180 | 112 | 8/25/2005 | SANDSTONE & SHALE | 8 | DOMESTIC | 40.665333 | -81.004333 |
| 466 | 861090 | AUGUSTA | 129 | 85 | 1/4/1999 | SHALE | | DOMESTIC | 40.662830 | -81.008060 |
| 467 | 891130 | AUGUSTA | 192 | 109 | 2/21/2000 | SAND & ROCK | | AGRIC/IRRIG | 40.662830 | -81.008060 |
| 468 | 1019123 | AUGUSTA | 255 | 117 | 8/15/2017 | SHALE | | AGRIC/IRRIG | 40.670160 | -80.996735 |
| 469 | 491641 | AUGUSTA | 146 | 95 | 10/14/1976 | SANDSTONE | 53 | DOMESTIC | 40.660633 | -81.002227 |
| 470 | 527954 | AUGUSTA | 114 | 60 | 7/15/1978 | SANDSTONE | | DOMESTIC | 40.658739 | -81.001015 |
| 471 | 125981 | AUGUSTA | 60 | 25 | 5/16/1955 | SAND | | DOMESTIC | 40.651460 | -81.044805 |
| 472 | 126000 | AUGUSTA | | 35 | 10/4/1959 | | | | 40.652268 | -81.043419 |
| 473 | 356184 | AUGUSTA | 99 | 18 | 8/21/1967 | SHALE | 18 | DOMESTIC | 40.649231 | -81.055858 |
| 474 | 386887 | AUGUSTA | 91 | 20 | 7/21/1969 | SHALE | 18 | DOMESTIC | 40.649180 | -81.055289 |
| 475 | 432436 | AUGUSTA | 90 | 36 | 7/3/1972 | SHALE | | DOMESTIC | 40.652268 | -81.043419 |
| 476 | 443607 | AUGUSTA | 65 | 26 | 9/9/1972 | SANDSTONE | 3 | DOMESTIC | 40.651057 | -81.050743 |
| 477 | 500315 | AUGUSTA | 252 | 115 | 10/23/1976 | SHALE | | DOMESTIC | 40.649180 | -81.055289 |
| 478 | 522414 | AUGUSTA | 95 | 50 | 8/21/1977 | SHALE | | DOMESTIC | 40.651886 | -81.051010 |
| 479 | 913084 | AUGUSTA | 245 | 40 | 2/20/2001 | SHALE | 9 | DOMESTIC | 40.651530 | -81.062600 |
| 480 | 987611 | AUGUSTA | 90 | 29 | 9/2/2005 | | 2 | DOMESTIC | 40.649330 | -81.054000 |
| 481 | 820052 | AUGUSTA | 93 | 28 | 10/5/1995 | SHALE | | DOMESTIC | 40.650170 | -81.054547 |
| 482 | 911677 | AUGUSTA | 95 | 35 | 11/7/2000 | SANDSTONE & SHALE | 3 | DOMESTIC | 40.651690 | -81.049450 |
| 483 | 534173 | AUGUSTA | 200 | 130 | 8/22/1979 | SHALE | 1 | DOMESTIC | 40.652090 | -81.049923 |
| 484 | 612618 | AUGUSTA | 291 | 117 | 9/13/1983 | SHALE | 4 | DOMESTIC | 40.652294 | -81.048892 |
| 485 | 766995 | AUGUSTA | 117 | 44 | 10/4/1993 | SHALE | | | 40.651793 | -81.045100 |
| 486 | 671538 | AUGUSTA | 113 | 39 | 5/9/1988 | ROCK | | | 40.652375 | -81.043928 |
| 487 | 803435 | AUGUSTA | 156 | 160 | 5/20/1995 | SHALE | 11 | DOMESTIC | 40.652199 | -81.031738 |
| 488 | 930566 | AUGUSTA | 204 | 128 | 8/31/2001 | SHALE | | DOMESTIC | 40.652170 | -81.060330 |
| 489 | 3010629 | AUGUSTA | 175 | | 9/19/2023 | SANDSTONE | 174 | DOMESTIC | 40.701737 | -81.075647 |
| 490 | 273715 | AUGUSTA | 202 | 150 | | SHALE | | | 40.685373 | -81.021476 |
| 491 | 336353 | AUGUSTA | 60 | 18 | 4/13/1966 | SHALE | 12 | | 40.700742 | -80.999552 |
| 492 | 435215 | AUGUSTA | 67 | 35 | 8/3/1972 | SANDSTONE | 20 | DOMESTIC | 40.684150 | -81.001639 |
| 493 | 435216 | AUGUSTA | 91 | 55 | 8/5/1972 | SANDSTONE | 31 | DOMESTIC | 40.684150 | -81.001639 |
| 494 | 516360 | AUGUSTA | 131 | 75 | 5/28/1977 | SHALE | 48 | DOMESTIC | 40.692403 | -81.001338 |
| 495 | 671879 | AUGUSTA | 85 | 45 | 10/3/1989 | SANDSTONE | | DOMESTIC | 40.684425 | -81.002129 |
| 496 | 516363 | AUGUSTA | 181 | 60 | 6/18/1977 | SHALE | 12 | DOMESTIC | 40.687096 | -81.000945 |
| 497 | 671504 | AUGUSTA | 182 | 95 | 10/10/1987 | SHALE | 2 | DOMESTIC | 40.687610 | -81.001118 |
| 498 | 942252 | AUGUSTA | 75 | 18 | 2/19/2002 | SHALE | 2 | AGRIC/IRRIG | 40.690020 | -81.000580 |
| 499 | 527970 | AUGUSTA | 78 | 40 | 10/19/1978 | SHALE | 8 | DOMESTIC | 40.689110 | -81.002097 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|-----|---------------|----------|------------------|-------------------------|-----------------|---------------|-----------------------|-----------------|--------------------|-------------------|
| 500 | 747199 | AUGUSTA | 149 | 95 | 11/21/1992 | SHALE | | DOMESTIC | 40.692037 | -80.997631 |
| 501 | 2080493 | AUGUSTA | 80 | 3 | 7/3/2020 | SANDSTONE | 11 | DOMESTIC | 40.695000 | -81.001100 |
| 502 | 898280 | AUGUSTA | 61 | 5 | 12/30/1999 | SHALE | 30 | HEATING/COOLING | 40.700550 | -80.999849 |
| 503 | 2050749 | AUGUSTA | 62 | 16 | 12/22/2014 | SHALE | | DOMESTIC | 40.703000 | -80.998500 |
| 504 | 428581 | AUGUSTA | 50 | | 11/1/1971 | SANDSTONE | | | 40.702834 | -80.996709 |
| 505 | 883337 | AUGUSTA | 151 | 44 | 1/12/2000 | SHALE | | DOMESTIC | 40.682670 | -81.020500 |
| 506 | 938177 | AUGUSTA | 120 | 42 | 2/19/2002 | SHALE | 18 | DOMESTIC | 40.682310 | -80.994360 |
| 507 | 891157 | AUGUSTA | 74 | 14 | 11/21/2000 | SANDSTONE | | DOMESTIC | 40.647522 | -81.028320 |
| 508 | 930222 | AUGUSTA | 119 | 16 | 12/22/2001 | OLD WELL | | DOMESTIC | 40.651740 | -81.027050 |
| 509 | 598755 | AUGUSTA | 60 | 15 | 5/12/1981 | SHALE | 8 | DOMESTIC | 40.649457 | -81.025856 |
| 510 | 141911 | AUGUSTA | 70 | 12 | 12/2/1954 | SHALE | 27 | DOMESTIC | 40.652357 | -81.012291 |
| 511 | 541400 | AUGUSTA | 74 | 25 | 6/14/1978 | GRAVEL | | DOMESTIC | 40.579589 | -81.089752 |
| 512 | 493456 | AUGUSTA | 110 | | 1/13/1976 | SANDSTONE | 4 | DOMESTIC | 40.579589 | -81.089752 |
| 513 | 26143 | BROWN | 40 | 10 | 4/8/1948 | SHALE | | DOMESTIC | 40.659901 | -81.120343 |
| 514 | 49909 | BROWN | 415 | 38 | 4/10/1949 | SANDSTONE | 10 | | 40.703773 | -81.115227 |
| 515 | 213516 | BROWN | 50 | | 10/23/1958 | SHALE | 30 | DOMESTIC | 40.671330 | -81.141419 |
| 516 | 325609 | BROWN | 72 | 18 | 9/9/1966 | SAND | 30 | DOMESTIC | 40.693837 | -81.088366 |
| 517 | 356199 | BROWN | 81 | 28 | 10/13/1967 | COAL | 45 | DOMESTIC | 40.693837 | -81.088366 |
| 518 | 468486 | BROWN | 73 | 47 | 8/28/1974 | SANDSTONE | 9 | DOMESTIC | 40.699737 | -81.090153 |
| 519 | 367389 | BROWN | 73 | 16 | 9/27/1967 | COAL | | DOMESTIC | 40.678196 | -81.109344 |
| 520 | 17858 | BROWN | 43 | 8 | | SANDSTONE | | DOMESTIC | 40.665146 | -81.131841 |
| 521 | 117852 | BROWN | 30 | 1 | | SHALE | 24 | | 40.664963 | -81.132873 |
| 522 | 117853 | BROWN | 40 | 1 | | SHALE | 25 | DOMESTIC | 40.666350 | -81.134257 |
| 523 | 117854 | BROWN | 50 | | | SHALE | 30 | DOMESTIC | 40.667222 | -81.136252 |
| 524 | 117859 | BROWN | 60 | 6 | | SHALE | 54 | | 40.662771 | -81.129749 |
| 525 | 149567 | BROWN | 74 | | 5/14/1955 | SANDSTONE | 67 | DOMESTIC | 40.666080 | -81.133535 |
| 526 | 236233 | BROWN | 60 | | 12/30/1960 | GRAVEL & SAND | | | 40.656105 | -81.124962 |
| 527 | 279585 | BROWN | 297 | 76 | 9/25/1962 | SANDSTONE | | PUBLIC/SEMI-PUB | 40.650051 | -81.122509 |
| 528 | 286502 | BROWN | 90 | | 8/18/1962 | SHALE | 35 | DOMESTIC | 40.666804 | -81.134940 |
| 529 | 286506 | BROWN | 97 | 15 | 8/28/1962 | SANDSTONE | 56 | DOMESTIC | 40.666087 | -81.135429 |
| 530 | 372011 | BROWN | 61 | | 4/22/1968 | SHALE | 4 | DOMESTIC | 40.670123 | -81.140649 |
| 531 | 411984 | BROWN | 35 | 10 | 4/30/1971 | SAND & GRAVEL | | DOMESTIC | 40.667026 | -81.137742 |
| 532 | 424373 | BROWN | 86 | | 9/17/1971 | GRAVEL | | DOMESTIC | 40.668285 | -81.138210 |
| 533 | 424381 | BROWN | 82 | | 9/29/1971 | SANDSTONE | 75 | DOMESTIC | 40.667910 | -81.137062 |
| 534 | 443623 | BROWN | 90 | 5 | 10/26/1972 | SAND | | DOMESTIC | 40.667792 | -81.137704 |
| 535 | 450568 | BROWN | 75 | 2 | 7/10/1973 | SHALE | 38 | PUBLIC/SEMI-PUB | 40.665383 | -81.132095 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|-----|---------------|----------|------------------|-------------------------|-----------------|--------------|-----------------------|----------|--------------------|-------------------|
| 536 | 455410 | BROWN | 112 | 50 | 6/11/1973 | SHALE | 4 | | 40.660975 | -81.131489 |
| 537 | 455433 | BROWN | 53 | 25 | 8/22/1973 | SAND | | DOMESTIC | 40.665169 | -81.133632 |
| 538 | 464162 | BROWN | 110 | 70 | 2/22/1974 | SHALE | | DOMESTIC | 40.660509 | -81.130682 |
| 539 | 464214 | BROWN | 75 | | 1/22/1974 | SHALE | 4 | DOMESTIC | 40.657496 | -81.126116 |
| 540 | 481080 | BROWN | 135 | 33 | 10/18/1975 | SHALE | 13 | DOMESTIC | 40.659655 | -81.130287 |
| 541 | 522652 | BROWN | 140 | | 7/28/1977 | COAL | 117 | DOMESTIC | 40.668611 | -81.139132 |
| 542 | 534156 | BROWN | 250 | 158 | 11/6/1978 | LIMESTONE | | DOMESTIC | 40.665146 | -81.131734 |
| 543 | 632615 | BROWN | 156 | 67 | 7/21/1986 | SHALE | | | 40.674459 | -81.145841 |
| 544 | 766971 | BROWN | 193 | 12 | 6/21/1993 | SHALE | 30 | DOMESTIC | 40.713531 | -81.088370 |
| 545 | 598787 | BROWN | 87 | 35 | 4/22/1983 | SHALE | 14 | DOMESTIC | 40.715725 | -81.092467 |
| 546 | 839454 | BROWN | 198 | 67 | 11/28/1996 | SHALE | | DOMESTIC | 40.715770 | -81.092482 |
| 547 | 202550 | BROWN | 69 | 36 | 10/14/1958 | SANDSTONE | | | 40.647855 | -81.105878 |
| 548 | 225532 | BROWN | 178 | 6 | 7/27/1959 | SHALE | 169 | DOMESTIC | 40.700708 | -81.106525 |
| 549 | 225536 | BROWN | 125 | 55 | 8/20/1959 | SANDSTONE | | | 40.693844 | -81.101399 |
| 550 | 231353 | BROWN | 69 | 36 | 2/20/1959 | SANDSTONE | | | 40.647855 | -81.105878 |
| 551 | 237856 | BROWN | 347 | 160 | 11/6/1959 | SHALE | | | 40.659012 | -81.108128 |
| 552 | 276502 | BROWN | 33 | 3 | 2/22/1962 | SHALE | 28 | DOMESTIC | 40.664215 | -81.108656 |
| 553 | 276554 | BROWN | 58 | 22 | 5/13/1963 | SHALE | 22 | DOMESTIC | 40.710251 | -81.104815 |
| 554 | 276575 | BROWN | 106 | 30 | 9/11/1963 | SANDSTONE | 38 | DOMESTIC | 40.710736 | -81.109320 |
| 555 | 420821 | BROWN | 61 | 32 | 9/27/1971 | COAL | 23 | | 40.708758 | -81.104230 |
| 556 | 424400 | BROWN | 49 | 26 | 11/18/1971 | SHALE | 5 | | 40.682715 | -81.106168 |
| 557 | 432423 | BROWN | 148 | 65 | 5/15/1972 | SHALE | 4 | DOMESTIC | 40.698277 | -81.104402 |
| 558 | 443620 | BROWN | 173 | 8 | 10/18/1972 | SAND | | DOMESTIC | 40.713548 | -81.101083 |
| 559 | 477481 | BROWN | 54 | 17 | 2/13/1976 | SHALE | 40 | DOMESTIC | 40.709539 | -81.104111 |
| 560 | 493705 | BROWN | 158 | 93 | 5/27/1976 | SANDSTONE | 4 | DOMESTIC | 40.698416 | -81.115851 |
| 561 | 520522 | BROWN | 120 | 50 | 7/6/1977 | SHALE | 20 | | 40.711215 | -81.105231 |
| 562 | 527278 | BROWN | 145 | 60 | 2/28/1978 | SHALE | | DOMESTIC | 40.649314 | -81.107746 |
| 563 | 642383 | BROWN | 90 | 60 | 6/25/1988 | SANDSTONE | | | 40.654134 | -81.107802 |
| 564 | 891135 | BROWN | 350 | 124.5 | 5/11/2000 | SAND & ROCK | 1 | DOMESTIC | 40.699090 | -81.105420 |
| 565 | 516284 | BROWN | 418 | 190 | 4/27/1978 | SANDSTONE | | DOMESTIC | 40.657587 | -81.105633 |
| 566 | 935354 | BROWN | 319 | 108 | 8/6/2001 | SANDSTONE | 9 | DOMESTIC | 40.660311 | -81.104726 |
| 567 | 888785 | BROWN | 300 | 152 | 5/6/1999 | SHALE | | DOMESTIC | 40.710980 | -81.103390 |
| 568 | 1021459 | BROWN | 364 | 149 | 5/18/2023 | SANDSTONE | | DOMESTIC | 40.661247 | -81.108889 |
| 569 | 495200 | BROWN | 91 | 30 | 3/14/1977 | COAL | 8 | DOMESTIC | 40.670764 | -81.107827 |
| 570 | 464192 | BROWN | 93 | 53 | 8/1/1974 | SHALE | | | 40.673282 | -81.107187 |
| 571 | 975161 | BROWN | 100 | 24 | 1/6/2004 | SHALE | 1 | DOMESTIC | 40.673170 | -81.107430 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|-----|---------------|----------|------------------|-------------------------|-----------------|--------------|-----------------------|-------------|--------------------|-------------------|
| 572 | 804160 | BROWN | 81 | 24 | 7/6/1995 | SHALE | 12 | DOMESTIC | 40.674478 | -81.107854 |
| 573 | 705378 | BROWN | 80 | 12 | | SANDSTONE | 25 | DOMESTIC | 40.679460 | -81.111078 |
| 574 | 955630 | BROWN | 175 | 104 | 11/15/2005 | SHALE | 1 | DOMESTIC | 40.685000 | -81.102667 |
| 575 | 992630 | BROWN | 305 | 75 | 5/19/2008 | SHALE | 4 | | 40.712980 | -81.101580 |
| 576 | 702368 | BROWN | 263 | 95 | 10/31/1989 | SHALE | 30 | DOMESTIC | 40.688167 | -81.100897 |
| 577 | 799279 | BROWN | 57 | 20 | 8/9/1994 | SHALE | 14 | AGRIC/IRRIG | 40.688160 | -81.100886 |
| 578 | 934596 | BROWN | 135 | 100 | 11/20/2003 | SHALE | 20 | DOMESTIC | 40.713200 | -81.101790 |
| 579 | 718760 | BROWN | 82 | 35 | 8/19/1991 | SHALE | 46 | DOMESTIC | 40.694296 | -81.098568 |
| 580 | 541057 | BROWN | 39 | 16.5 | 3/23/1979 | SHALE | 33 | DOMESTIC | 40.701642 | -81.103329 |
| 581 | 930571 | BROWN | 50 | 17 | 11/18/2001 | SHALE | 1 | DOMESTIC | 40.706100 | -81.103280 |
| 582 | 721461 | BROWN | 130 | 68 | 7/31/1991 | SANDSTONE | | DOMESTIC | 40.705954 | -81.104519 |
| 583 | 747197 | BROWN | 290 | 40 | 10/23/1992 | SANDSTONE | 16 | DOMESTIC | 40.709706 | -81.104141 |
| 584 | 913043 | BROWN | 60 | 20 | 9/12/2000 | SHALE | 35 | DOMESTIC | 40.711570 | -81.108270 |
| 585 | 1002457 | BROWN | 203 | 18 | 7/11/2007 | LIMESTONE | 180 | DOMESTIC | 40.715000 | -81.102500 |
| 586 | 820061 | BROWN | 199 | 30 | 11/20/1995 | CLAY & SHALE | | DOMESTIC | 40.715048 | -81.101577 |
| 587 | 967701 | BROWN | 144 | 15 | 8/12/2004 | SHALE | 120 | DOMESTIC | 40.669670 | -81.122000 |
| 588 | 902220 | BROWN | 125 | 25 | 1/24/2000 | SANDSTONE | 9 | DOMESTIC | 40.646730 | -81.145110 |
| 589 | 173351 | BROWN | 95 | | 12/5/1955 | SHALE | 60 | DOMESTIC | 40.670611 | -81.127574 |
| 590 | 202458 | BROWN | 48 | | 8/1/1957 | SHALE | 40 | | 40.659690 | -81.145083 |
| 591 | 237840 | BROWN | 45 | 6 | 10/19/1961 | SHALE | 21 | DOMESTIC | 40.667585 | -81.108172 |
| 592 | 276506 | BROWN | 91 | | 5/19/1961 | SANDSTONE | 87 | | 40.668393 | -81.109017 |
| 593 | 387896 | BROWN | 48 | 12 | 8/28/1969 | COAL | 3 | DOMESTIC | 40.666304 | -81.103904 |
| 594 | 411988 | BROWN | 63 | | 6/4/1971 | SHALE | 30 | DOMESTIC | 40.669338 | -81.117779 |
| 595 | 411993 | BROWN | 102 | 10 | 6/17/1971 | SHALE | | DOMESTIC | 40.671004 | -81.127887 |
| 596 | 424390 | BROWN | 45 | 10 | 10/29/1971 | SAND | | DOMESTIC | 40.656624 | -81.142558 |
| 597 | 424396 | BROWN | 54 | 25.5 | 11/6/1991 | SHALE | 18 | DOMESTIC | 40.669238 | -81.114726 |
| 598 | 455401 | BROWN | 53 | 10 | 4/30/1973 | SHALE | 25 | DOMESTIC | 40.669655 | -81.112329 |
| 599 | 455402 | BROWN | 62 | 2 | 5/3/1973 | SHALE | 40 | DOMESTIC | 40.659234 | -81.143763 |
| 600 | 455412 | BROWN | 62 | 3 | 6/14/1973 | SHALE | 55 | DOMESTIC | 40.669514 | -81.120624 |
| 601 | 455423 | BROWN | 74 | 10 | 7/16/1973 | SHALE | | DOMESTIC | 40.669514 | -81.120624 |
| 602 | 522431 | BROWN | 180 | 8 | 12/30/1977 | SHALE | | DOMESTIC | 40.669849 | -81.136093 |
| 603 | 522657 | BROWN | 120 | | 10/17/1977 | SHALE | 114 | DOMESTIC | 40.669849 | -81.136093 |
| 604 | 522387 | BROWN | 305 | 120 | 9/13/1978 | SAND | 6 | DOMESTIC | 40.670437 | -81.095749 |
| 605 | 550282 | BROWN | 156 | 100 | 7/30/1980 | SHALE | 39 | DOMESTIC | 40.667385 | -81.100333 |
| 606 | 530847 | BROWN | 100 | 20 | 3/3/1978 | SHALE | 80 | | 40.668747 | -81.114448 |
| 607 | 563407 | BROWN | 130 | 15 | 8/28/1979 | SHALE | 20 | | 40.668908 | -81.118634 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|-----|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|-----------------|--------------------|-------------------|
| 608 | 701262 | BROWN | 35 | 3 | 5/18/1990 | SANDSTONE | 30 | | 40.669646 | -81.120577 |
| 609 | 699844 | BROWN | 90 | 3 | 5/6/1991 | SAND & GRAVEL | | DOMESTIC | 40.669310 | -81.122599 |
| 610 | 699843 | BROWN | 89 | 60 | 5/2/1991 | SHALE | 14 | DOMESTIC | 40.668144 | -81.123676 |
| 611 | 1021442 | BROWN | 106 | 24 | 7/14/2021 | SHALE | 35 | DOMESTIC | 40.669230 | -81.126038 |
| 612 | 799318 | BROWN | 77 | | 5/9/1995 | SANDSTONE | 55 | DOMESTIC | 40.670566 | -81.130520 |
| 613 | 1021452 | BROWN | 126 | 19 | 9/29/2022 | SHALE | 55 | DOMESTIC | 40.670789 | -81.128067 |
| 614 | 708594 | BROWN | 79 | 26 | 4/5/1990 | SHALE | | DOMESTIC | 40.666830 | -81.143195 |
| 615 | 679136 | BROWN | 134 | 59 | 11/4/1988 | SHALE | 12 | DOMESTIC | 40.663975 | -81.145113 |
| 616 | 747207 | BROWN | 87 | 15 | 7/19/1993 | SHALE | 44 | DOMESTIC | 40.660637 | -81.145908 |
| 617 | 501545 | BROWN | 215 | 75 | 7/12/1976 | SHALE | 10 | DOMESTIC | 40.719026 | -81.038988 |
| 618 | 642209 | BROWN | 108 | 36 | 10/19/1984 | COAL | | DOMESTIC | 40.658657 | -81.144167 |
| 619 | 875645 | BROWN | 175 | 40 | 1/17/1999 | SHALE | | DOMESTIC | 40.648540 | -81.145070 |
| 620 | 849755 | BROWN | 90 | 35 | 5/21/1999 | SHALE | 60 | DOMESTIC | 40.646470 | -81.145170 |
| 621 | 914392 | BROWN | 41 | 7 | 3/2/2001 | SAND | | DOMESTIC | 40.646390 | -81.145190 |
| 622 | 598794 | BROWN | 80 | 37 | 9/3/1983 | SANDSTONE | | DOMESTIC | 40.649075 | -81.148832 |
| 623 | 1020166 | BROWN | 206 | 75 | 9/16/2019 | SHALE | 45 | DOMESTIC | 40.647879 | -81.154091 |
| 624 | 400707 | BROWN | 75 | 18 | 10/24/1969 | SHALE | 68 | PUBLIC/SEMI-PUB | 40.681124 | -81.123411 |
| 625 | 829666 | BROWN | 125 | | 7/26/1996 | SHALE | 17 | DOMESTIC | 40.654324 | -81.129600 |
| 626 | 772457 | BROWN | 90 | 2 | 8/15/1993 | SHALE | 50 | | 40.657737 | -81.126134 |
| 627 | 795212 | BROWN | 103 | 5 | 10/1/1994 | SHALE | | | 40.657720 | -81.126112 |
| 628 | 2055915 | BROWN | 70 | 8 | 2/8/2016 | SANDSTONE | | DOMESTIC | 40.657667 | -81.127333 |
| 629 | 2079661 | BROWN | 105 | 20 | 4/30/2020 | SHALE | 48 | DOMESTIC | 40.661650 | -81.129219 |
| 630 | 499983 | BROWN | 265 | 50 | 7/13/1977 | SANDSTONE | | INDUSTRIAL | 40.663607 | -81.131584 |
| 631 | 891167 | BROWN | 275 | 40.5 | 5/25/2001 | SANDSTONE & SHALE | 4 | DOMESTIC | 40.667160 | -81.137350 |
| 632 | 2044611 | BROWN | 90 | 2 | 9/19/2013 | SANDSTONE | 28 | AGRIC/IRRIG | 40.666017 | -81.134300 |
| 633 | 1002451 | BROWN | 63 | 15 | 4/5/2007 | SHALE | 23 | DOMESTIC | 40.665833 | -81.133333 |
| 634 | 492827 | BROWN | 70 | 20 | 6/22/1976 | SANDSTONE | 23 | DOMESTIC | 40.665673 | -81.135046 |
| 635 | 1016780 | BROWN | 230 | 6 | 3/22/2013 | | | DOMESTIC | 40.669967 | -81.140867 |
| 636 | 862605 | BROWN | 312 | 123 | 10/9/1997 | SANDSTONE | | DOMESTIC | 40.668133 | -81.146932 |
| 637 | 601530 | BROWN | 132 | 41 | 5/15/1982 | SHALE | 4 | DOMESTIC | 40.673823 | -81.145255 |
| 638 | 671858 | BROWN | 77 | 25 | 8/17/1988 | SHALE | 6 | DOMESTIC | 40.675470 | -81.143367 |
| 639 | 455435 | BROWN | 42 | 10 | 8/23/1973 | SANDSTONE | 40 | DOMESTIC | 40.667497 | -81.136309 |
| 640 | 138292 | BROWN | 45 | 10 | 8/6/1954 | SANDSTONE | 20 | DOMESTIC | 40.685730 | -81.133199 |
| 641 | 138293 | BROWN | 40 | 18 | 8/6/1954 | SANDSTONE | 20 | DOMESTIC | 40.685608 | -81.133973 |
| 642 | 913042 | BROWN | 150 | 105 | 9/22/2000 | SHALE | | DOMESTIC | 40.680590 | -81.126320 |
| 643 | 905748 | BROWN | 235 | 95 | 3/23/2001 | SANDSTONE | | DOMESTIC | 40.684000 | -81.131000 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|-----|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|----------|--------------------|-------------------|
| 644 | 411975 | BROWN | 104 | 50 | 4/3/1970 | SHALE & SANDSTONE | 65 | DOMESTIC | 40.685289 | -81.131556 |
| 645 | 611850 | BROWN | 156 | | 9/15/1984 | SHALE | | | 40.691540 | -81.131820 |
| 646 | 938932 | BROWN | 240 | 125 | 9/6/2002 | SHALE | 7 | DOMESTIC | 40.690350 | -81.135050 |
| 647 | 909958 | BROWN | 130 | 90 | 6/24/2000 | LIMESTONE | 2 | DOMESTIC | 40.685650 | -81.131680 |
| 648 | 2069520 | BROWN | 136 | 44 | 7/30/2018 | SHALE | | DOMESTIC | 40.691181 | -81.132456 |
| 649 | 2074028 | BROWN | 150 | 53 | 2/21/2019 | SHALE | | DOMESTIC | 40.691247 | -81.128944 |
| 650 | 2047232 | BROWN | 120 | 56 | 4/22/2014 | SANDSTONE | 12 | DOMESTIC | 40.691800 | -81.131033 |
| 651 | 608820 | BROWN | 150 | 84 | 5/31/1983 | COAL | 3 | | 40.692369 | -81.130853 |
| 652 | 296785 | BROWN | 39 | 16 | 10/22/1964 | SANDSTONE | | DOMESTIC | 40.672776 | -81.122195 |
| 653 | 455413 | BROWN | 50 | 18 | 6/15/1973 | SHALE | 4 | DOMESTIC | 40.664081 | -81.118508 |
| 654 | 1019105 | BROWN | 75 | 11 | 5/5/2016 | SHALE | | DOMESTIC | 40.663783 | -81.123417 |
| 655 | 687854 | BROWN | 75 | | 10/9/1988 | SHALE | 62 | | 40.665689 | -81.119679 |
| 656 | 608816 | BROWN | 68 | 17 | 4/11/1983 | SHALE | 7 | DOMESTIC | 40.672776 | -81.122195 |
| 657 | 770073 | BROWN | 261 | 155 | 6/3/1994 | SHALE | 2 | DOMESTIC | 40.677481 | -81.124147 |
| 658 | 770072 | BROWN | 256 | 134 | 5/24/1994 | SHALE | 3 | DOMESTIC | 40.677493 | -81.125846 |
| 659 | 829732 | BROWN | 106 | | 6/3/1996 | | | | 40.677899 | -81.119867 |
| 660 | 643649 | BROWN | 207 | 103 | 10/15/1985 | SHALE | | DOMESTIC | 40.679572 | -81.124496 |
| 661 | 52695 | BROWN | 90 | | 11/8/1949 | SHALE | 20 | | 40.689190 | -81.095811 |
| 662 | 160556 | BROWN | 56 | 21 | 10/16/1955 | SHALE | | DOMESTIC | 40.674174 | -81.130798 |
| 663 | 173387 | BROWN | 126 | | 11/6/1956 | SANDSTONE | 22 | DOMESTIC | 40.685480 | -81.122181 |
| 664 | 387874 | BROWN | 44 | 12 | 4/29/1969 | SAND | 5 | DOMESTIC | 40.673598 | -81.131706 |
| 665 | 392356 | BROWN | 75 | 8 | 4/10/1969 | SANDSTONE | 44 | | 40.685411 | -81.122090 |
| 666 | 411968 | BROWN | 115 | 15 | 11/3/1970 | SHALE | 80 | | 40.685411 | -81.122090 |
| 667 | 481082 | BROWN | 231 | 150 | 11/1/1975 | SHALE | | DOMESTIC | 40.688345 | -81.100980 |
| 668 | 534314 | BROWN | 75 | 32 | 10/27/1978 | SHALE | 50 | DOMESTIC | 40.673660 | -81.130322 |
| 669 | 481096 | BROWN | 205 | 55 | 4/22/1976 | SHALE | | | 40.689409 | -81.096849 |
| 670 | 534188 | BROWN | 112 | 30 | 5/9/1980 | SHALE | | DOMESTIC | 40.689674 | -81.096099 |
| 671 | 534819 | BROWN | 225 | 76 | 5/6/1980 | SHALE | | | 40.689409 | -81.096849 |
| 672 | 978963 | BROWN | 280 | | 8/4/2004 | CLAY & SHALE | | DOMESTIC | 40.686600 | -81.100400 |
| 673 | 963542 | BROWN | 305 | 100 | 4/17/2006 | | 1 | DOMESTIC | 40.688881 | -81.103831 |
| 674 | 969577 | BROWN | 260 | 100 | 12/11/2003 | SHALE | 4 | DOMESTIC | 40.686820 | -81.104580 |
| 675 | 1008208 | BROWN | 240 | 169 | 10/31/2007 | | | DOMESTIC | 40.687000 | -81.105500 |
| 676 | 1012490 | BROWN | 240 | 153 | 4/28/2010 | SANDSTONE & SHALE | 3 | DOMESTIC | 40.685260 | -81.106040 |
| 677 | 923071 | BROWN | 220 | 100 | 12/11/2000 | SANDSTONE | 11 | DOMESTIC | 40.688229 | -81.105988 |
| 678 | 909955 | BROWN | 196 | 163 | 5/25/2000 | SANDSTONE | 1 | DOMESTIC | 40.685854 | -81.106717 |
| 679 | 969578 | BROWN | 220 | | 12/11/2003 | SANDSTONE | 4 | DOMESTIC | 40.688170 | -81.106700 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|-----|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|----------|--------------------|-------------------|
| 680 | 963512 | BROWN | 280 | 90 | 3/15/2004 | SHALE | 8 | DOMESTIC | 40.681582 | -81.119516 |
| 681 | 971681 | BROWN | 182 | 55 | 12/1/2003 | SANDSTONE & SHALE | 6 | DOMESTIC | 40.680880 | -81.122850 |
| 682 | 3008931 | BROWN | 85 | 21 | 6/19/2023 | SANDSTONE | 41 | DOMESTIC | 40.680000 | -81.122580 |
| 683 | 902244 | BROWN | 100 | 27 | 6/12/2000 | SHALE | 20 | DOMESTIC | 40.675470 | -81.129320 |
| 684 | 2063946 | BROWN | 140 | 40 | 8/23/2017 | SANDSTONE | 2 | DOMESTIC | 40.677910 | -81.127220 |
| 685 | 654402 | BROWN | 62 | 4 | 10/28/1986 | SHALE | 24 | DOMESTIC | 40.671344 | -81.133920 |
| 686 | 799290 | BROWN | 80 | 6 | 9/29/1994 | SANDSTONE | 60 | DOMESTIC | 40.676857 | -81.128626 |
| 687 | 799302 | BROWN | 114 | 6 | 12/12/1994 | SANDSTONE | 60 | DOMESTIC | 40.677185 | -81.128271 |
| 688 | 679137 | BROWN | 71 | 23 | 11/4/1988 | COAL | 10 | DOMESTIC | 40.677102 | -81.128148 |
| 689 | 578660 | BROWN | 65 | 22 | 10/13/1981 | SHALE | 4 | DOMESTIC | 40.675755 | -81.133230 |
| 690 | 659085 | BROWN | 137 | 78 | 7/13/1987 | COAL | | DOMESTIC | 40.676468 | -81.135012 |
| 691 | 573707 | BROWN | 70 | 13 | 9/27/1980 | SHALE | | DOMESTIC | 40.672612 | -81.133419 |
| 692 | 679148 | BROWN | 85 | 13 | 1/1/1989 | SHALE | 48 | DOMESTIC | 40.676635 | -81.128356 |
| 693 | 799323 | BROWN | 133 | 19 | 6/2/1995 | SHALE | 30 | DOMESTIC | 40.673840 | -81.130156 |
| 694 | 2051837 | BROWN | 80 | 25 | 5/1/2015 | SHALE | 2 | DOMESTIC | 40.683340 | -81.096090 |
| 695 | 948637 | BROWN | 380 | 136 | 10/11/2002 | SANDSTONE | 3 | DOMESTIC | 40.686394 | -81.098036 |
| 696 | 89746 | BROWN | 140 | 108 | 1/12/1953 | SANDSTONE | | DOMESTIC | 40.700920 | -81.121304 |
| 697 | 138357 | BROWN | 166 | 106 | 8/10/1954 | SHALE | 41 | DOMESTIC | 40.703913 | -81.117813 |
| 698 | 200239 | BROWN | 165 | 100 | 7/11/1957 | SHALE | | | 40.703610 | -81.111649 |
| 699 | 405233 | BROWN | 175 | 142 | 11/28/1970 | SHALE | | DOMESTIC | 40.703788 | -81.117765 |
| 700 | 443603 | BROWN | 223 | 180 | 9/2/1972 | SHALE | | DOMESTIC | 40.702119 | -81.117183 |
| 701 | 445191 | BROWN | 250 | 68 | 12/12/1972 | SHALE | | | 40.703077 | -81.115571 |
| 702 | 471669 | BROWN | 240 | | 5/17/1994 | SHALE | | DOMESTIC | 40.705271 | -81.117477 |
| 703 | 471683 | BROWN | 240 | 50 | 6/11/1974 | SHALE | | DOMESTIC | 40.705271 | -81.117477 |
| 704 | 1002075 | BROWN | 133 | | 3/2/2007 | SANDSTONE | 5 | DOMESTIC | 40.700020 | -81.117950 |
| 705 | 955625 | BROWN | 260 | 170 | 7/24/2006 | SHALE | | DOMESTIC | 40.703611 | -81.117500 |
| 706 | 975158 | BROWN | 325 | 163 | 5/25/2004 | SHALE | 5 | DOMESTIC | 40.703830 | -81.117450 |
| 707 | 701275 | BROWN | 75 | 35 | 8/29/1990 | SANDSTONE | 12 | | 40.706359 | -81.117796 |
| 708 | 642377 | BROWN | 204 | 140 | 8/19/1987 | SHALE | | | 40.705271 | -81.117477 |
| 709 | 315076 | BROWN | 90 | 37 | 11/7/1964 | SHALE | 5 | | 40.697535 | -81.117384 |
| 710 | 464195 | BROWN | 138 | 89 | 8/20/1974 | SHALE | 4 | | 40.697930 | -81.108004 |
| 711 | 464201 | BROWN | 146 | 82 | 9/14/1973 | SHALE | | DOMESTIC | 40.697756 | -81.105825 |
| 712 | 635634 | BROWN | 174 | 93 | 8/16/1986 | LIMESTONE | | DOMESTIC | 40.697756 | -81.105825 |
| 713 | 744851 | BROWN | 144 | 119 | 3/29/1992 | SANDSTONE | 3 | DOMESTIC | 40.696877 | -81.110371 |
| 714 | 799304 | BROWN | 191 | 116 | 1/13/1995 | LIMESTONE | | DOMESTIC | 40.696882 | -81.110388 |
| 715 | 2018414 | BROWN | 200 | 40 | 8/20/2008 | SANDSTONE | 21 | DOMESTIC | 40.699167 | -81.103056 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|-----|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|------------|--------------------|-------------------|
| 716 | 601538 | BROWN | 177 | 94 | 8/25/1982 | SHALE | | DOMESTIC | 40.698484 | -81.113384 |
| 717 | 987254 | BROWN | 413 | 132 | 11/11/2005 | SAND & ROCK | | DOMESTIC | 40.698770 | -81.117500 |
| 718 | 2072436 | BROWN | 259 | 143 | 3/7/2019 | SHALE | | DOMESTIC | 40.691333 | -81.109333 |
| 719 | 612609 | BROWN | 170 | 86 | 7/18/1983 | SHALE | 26 | DOMESTIC | 40.698416 | -81.115851 |
| 720 | 839460 | BROWN | 193 | 92 | 3/13/1997 | CLAY & SHALE | | DOMESTIC | 40.698807 | -81.116564 |
| 721 | 2072443 | BROWN | 398 | 100 | 3/7/2019 | SHALE & SANDSTONE | | DOMESTIC | 40.690833 | -81.119833 |
| 722 | 1002450 | BROWN | 105 | 34 | 3/8/2007 | SHALE | 4 | DOMESTIC | 40.699833 | -81.121500 |
| 723 | 938182 | BROWN | 195 | 80 | 9/26/2002 | OLD WELL | | DOMESTIC | 40.699940 | -81.126730 |
| 724 | 2011135 | BROWN | 158 | 90 | 6/25/2007 | SANDSTONE | | DOMESTIC | 40.698167 | -81.127500 |
| 725 | 642367 | BROWN | 165 | 100 | 8/12/1986 | SHALE | | | 40.695934 | -81.103116 |
| 726 | 938179 | BROWN | 135 | 41 | 8/3/2002 | EXISTING WELL | | DOMESTIC | 40.689610 | -81.111400 |
| 727 | 764538 | BROWN | 150 | 38 | 3/10/1994 | SANDSTONE | 8 | DOMESTIC | 40.653192 | -81.105554 |
| 728 | 839461 | BROWN | 209 | 73 | 3/15/1997 | SHALE | 3 | DOMESTIC | 40.692186 | -81.106075 |
| 729 | 738024 | BROWN | 100 | 24 | 10/21/1991 | SANDSTONE | | DOMESTIC | 40.689890 | -81.107947 |
| 730 | 772472 | BROWN | 130 | 80 | 2/6/1994 | SANDSTONE | | INDUSTRIAL | 40.690727 | -81.108570 |
| 731 | 3001778 | BROWN | 160 | 53 | 7/5/2022 | SHALE | | DOMESTIC | 40.691944 | -81.109167 |
| 732 | 799316 | BROWN | 132 | 69.5 | 4/26/1995 | SHALE | 2 | DOMESTIC | 40.690177 | -81.109326 |
| 733 | 901802 | BROWN | 103 | 65 | 10/30/1999 | SHALE | 1 | DOMESTIC | 40.689500 | -81.111520 |
| 734 | 901850 | BROWN | 103 | 65 | 10/10/1999 | SHALE | 1 | DOMESTIC | 40.689500 | -81.111520 |
| 735 | 752283 | BROWN | 62 | 20 | 5/28/1992 | SANDSTONE | 12 | DOMESTIC | 40.690715 | -81.110512 |
| 736 | 160117 | BROWN | 45 | 8 | 7/13/1956 | MUD | | DOMESTIC | 40.652964 | -81.104615 |
| 737 | 411992 | BROWN | 55 | 30 | 6/16/1971 | SAND | 10 | DOMESTIC | 40.652834 | -81.105186 |
| 738 | 839450 | BROWN | 122 | 78 | 11/2/1996 | SANDSTONE | | DOMESTIC | 40.653192 | -81.105554 |
| 739 | 2018975 | BROWN | 175 | 134 | 10/1/2008 | SANDSTONE | 9 | DOMESTIC | 40.648830 | -81.095440 |
| 740 | 642222 | BROWN | 242 | 89 | 4/3/1985 | SHALE | | DOMESTIC | 40.649419 | -81.095459 |
| 741 | 924895 | BROWN | 395 | 90 | 6/5/2002 | SANDSTONE | | DOMESTIC | 40.652980 | -81.105770 |
| 742 | 641766 | BROWN | 88 | 1 | 1/4/1984 | SHALE | 10 | DOMESTIC | 40.652929 | -81.107547 |
| 743 | 799294 | BROWN | 222 | 38 | 10/28/1994 | SHALE | 25 | DOMESTIC | 40.653069 | -81.104658 |
| 744 | 370079 | BROWN | 156 | 65 | 8/11/1979 | SHALE | 140 | DOMESTIC | 40.654205 | -81.106406 |
| 745 | 231395 | BROWN | 64 | 43 | 9/9/1959 | SANDSTONE | 8 | | 40.656418 | -81.093537 |
| 746 | 971616 | BROWN | 238 | 52 | 5/26/2005 | | 8 | DOMESTIC | 40.657330 | -81.094170 |
| 747 | 716327 | BROWN | 315 | 97 | 11/9/1991 | SHALE | | DOMESTIC | 40.666107 | -81.094342 |
| 748 | 3016084 | BROWN | 320 | 160 | 7/8/2024 | SHALE | | DOMESTIC | 40.661240 | -81.095350 |
| 749 | 931778 | BROWN | 120 | 41 | 5/25/2001 | SANDSTONE | 27 | DOMESTIC | 40.662889 | -81.096506 |
| 750 | 534155 | BROWN | 72 | 24 | 10/3/1978 | SHALE | 4 | DOMESTIC | 40.662310 | -81.096858 |
| 751 | 699836 | BROWN | 130 | 42 | 7/21/1990 | SHALE | 19 | DOMESTIC | 40.662601 | -81.097526 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|-----|---------------|----------|------------------|-------------------------|-----------------|---------------|-----------------------|----------|--------------------|-------------------|
| 752 | 955609 | BROWN | 125 | 30 | 3/18/2003 | | | DOMESTIC | 40.649200 | -81.093327 |
| 753 | 839447 | BROWN | 143 | 64 | 10/18/1996 | SHALE | | DOMESTIC | 40.650705 | -81.089842 |
| 754 | 481081 | BROWN | 186 | 128 | 10/25/1975 | SHALE | 3 | DOMESTIC | 40.678634 | -81.090788 |
| 755 | 624952 | BROWN | 148 | 114 | 6/9/1986 | SHALE | | | 40.681308 | -81.091912 |
| 756 | 671517 | BROWN | 85 | 18 | 11/25/1987 | SHALE | | DOMESTIC | 40.682621 | -81.089976 |
| 757 | 500320 | BROWN | 173 | | 11/17/1976 | SHALE | 4 | DOMESTIC | 40.691699 | -81.088694 |
| 758 | 534200 | BROWN | 183 | 95 | 8/21/1980 | SHALE | | DOMESTIC | 40.691699 | -81.088694 |
| 759 | 701265 | BROWN | 142 | | 6/11/1990 | COAL | | | 40.697957 | -81.088481 |
| 760 | 877432 | BROWN | 150 | 46 | 6/18/1998 | SANDSTONE | | DOMESTIC | 40.695530 | -81.088010 |
| 761 | 957280 | BROWN | 246 | 120 | 10/2/2003 | SHALE | | DOMESTIC | 40.698866 | -81.092000 |
| 762 | 850926 | BROWN | 180 | 113 | 4/29/1997 | SHALE | 16 | DOMESTIC | 40.703483 | -81.085981 |
| 763 | 868804 | BROWN | 120 | 40 | 11/21/1997 | SANDSTONE | 8 | DOMESTIC | 40.695950 | -81.088020 |
| 764 | 481053 | BROWN | 171 | 120 | 1/8/1975 | COAL | | DOMESTIC | 40.697130 | -81.089669 |
| 765 | 613649 | BROWN | 171 | 125 | 6/29/1988 | CLEANOUT | | | 40.702444 | -81.089413 |
| 766 | 805686 | BROWN | 120 | 50 | 11/18/1994 | SHALE | 40 | DOMESTIC | 40.701656 | -81.088450 |
| 767 | 510319 | BROWN | 90 | 55 | 11/15/1976 | SHALE | 30 | | 40.702655 | -81.088217 |
| 768 | 716264 | BROWN | 134 | | 5/1/1991 | SHALE | 36 | DOMESTIC | 40.714585 | -81.091073 |
| 769 | 237871 | BROWN | 95 | 5 | 5/2/1960 | SHALE | 75 | | 40.714034 | -81.093687 |
| 770 | 1008061 | BROWN | 380 | 175 | 10/15/2008 | | 12 | DOMESTIC | 40.660573 | -81.134833 |
| 771 | 862638 | BROWN | 108 | 80 | 1/28/1998 | LIMESTONE | 12 | DOMESTIC | 40.579589 | -81.089752 |
| 772 | 534174 | BROWN | 79 | 34 | 8/22/1979 | SHALE | 2 | DOMESTIC | 40.649022 | -81.090040 |
| 773 | 888925 | BROWN | 100 | 40 | 2/25/1999 | SANDSTONE | 14 | DOMESTIC | 40.647236 | -81.090199 |
| 774 | 3001459 | BROWN | 180 | 29 | 7/2/2021 | SANDSTONE | 23 | DOMESTIC | 40.703920 | -81.094980 |
| 775 | 932897 | BROWN | 49 | 12 | 9/7/2002 | SAND & GRAVEL | | DOMESTIC | 40.579589 | -81.089752 |
| 776 | 2052112 | BROWN | 36 | 9 | 2/16/2015 | SAND & GRAVEL | | DOMESTIC | 40.709500 | -81.109333 |
| 777 | 932483 | BROWN | 235 | 130 | 7/3/2002 | CLAY & SHALE | | DOMESTIC | 40.648000 | -81.100670 |
| 778 | 928798 | BROWN | 240 | 140 | 7/12/2001 | SANDSTONE | | DOMESTIC | 40.647870 | -81.101250 |
| 779 | 3007298 | BROWN | 200 | 69 | 3/24/2023 | SHALE | | DOMESTIC | 40.648010 | -81.103460 |
| 780 | 2083045 | BROWN | 189 | 82 | 10/2/2020 | SANDSTONE | | DOMESTIC | 40.698881 | -81.092158 |
| 781 | 802809 | BROWN | 100 | 41 | 6/26/1995 | SHALE | 8 | DOMESTIC | 40.650800 | -81.127527 |
| 782 | 955642 | BROWN | 67 | 19 | 10/30/2004 | | 18 | DOMESTIC | 40.651930 | -81.130450 |
| 783 | 1006566 | BROWN | 75 | 11 | 8/7/2007 | SHALE | 27 | DOMESTIC | 40.654833 | -81.125000 |
| 784 | 649819 | BROWN | 160 | 70 | 12/17/1984 | SHALE | | | 40.618487 | -81.135251 |
| 785 | 52669 | CENTER | 76 | | 4/20/1949 | SAND | 25 | | 40.590703 | -81.101938 |
| 786 | 52671 | CENTER | 97 | | 6/7/1949 | SHALE | 38 | | 40.580221 | -81.100604 |
| 787 | 85609 | CENTER | 116 | 70 | 1/1/1951 | SHALE | | DOMESTIC | 40.591977 | -81.091759 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|-----|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|----------|--------------------|-------------------|
| 788 | 89160 | CENTER | 186 | 160 | 8/13/1951 | SHALE | 20 | DOMESTIC | 40.566557 | -81.072677 |
| 789 | 89165 | CENTER | 45 | 25 | 9/29/1951 | SHALE | 20 | DOMESTIC | 40.563135 | -81.067539 |
| 790 | 89176 | CENTER | 108 | 40 | 1/1/1951 | SAND | 12 | DOMESTIC | 40.560916 | -81.062468 |
| 791 | 160572 | EAST | 238 | 110 | 6/30/1956 | SAND | | DOMESTIC | 40.669190 | -80.967204 |
| 792 | 289165 | EAST | 400 | 30 | 8/12/1963 | SANDSTONE | 5 | | 40.677704 | -80.984598 |
| 793 | 379778 | EAST | 128 | 68 | | SHALE | | DOMESTIC | 40.665601 | -80.949007 |
| 794 | 473174 | EAST | 100 | 60 | 5/14/1975 | SHALE | 20 | DOMESTIC | 40.676989 | -80.978224 |
| 795 | 186930 | EAST | 115 | 110 | 4/19/1957 | SAND | | DOMESTIC | 40.652551 | -80.983737 |
| 796 | 896027 | EAST | 70 | 50 | 11/15/2000 | SANDSTONE | 3 | DOMESTIC | 40.644690 | -80.936770 |
| 797 | 1006547 | EAST | 200 | 113 | 9/22/2010 | SHALE & SANDSTONE | 113 | DOMESTIC | 40.653000 | -80.942222 |
| 798 | 339912 | CENTER | 60 | 25 | 10/6/1965 | SHALE | 45 | | 40.587280 | -81.089804 |
| 799 | 353834 | CENTER | 185 | 140 | | SANDSTONE | | DOMESTIC | 40.587280 | -81.089804 |
| 800 | 370059 | CENTER | 238 | 165 | | SHALE | 35 | DOMESTIC | 40.560591 | -81.078122 |
| 801 | 491603 | CENTER | 168 | 125 | 10/11/1975 | SANDSTONE | 10 | DOMESTIC | 40.585673 | -81.105070 |
| 802 | 737009 | CENTER | 112 | | 10/29/1991 | SANDSTONE | 39 | DOMESTIC | 40.590374 | -81.091253 |
| 803 | 141905 | CENTER | 54 | 18 | 10/20/1954 | SHALE | 34 | DOMESTIC | 40.588677 | -81.088449 |
| 804 | 160135 | CENTER | 82 | 40 | 12/8/1956 | SHALE | 12 | DOMESTIC | 40.589622 | -81.090324 |
| 805 | 160565 | CENTER | 64 | 35 | 12/26/1955 | SAND | 43 | DOMESTIC | 40.589666 | -81.088514 |
| 806 | 184963 | CENTER | 120 | 75 | 6/30/1956 | SHALE | 55 | DOMESTIC | 40.589684 | -81.090333 |
| 807 | 296859 | CENTER | 208 | 140 | | SANDSTONE | 45 | DOMESTIC | 40.589707 | -81.089398 |
| 808 | 387863 | CENTER | 89 | 49 | 1/28/1969 | SHALE | 4 | DOMESTIC | 40.590811 | -81.082605 |
| 809 | 390939 | CENTER | 108 | 30 | 12/12/1970 | SHALE | 3 | DOMESTIC | 40.590811 | -81.082605 |
| 810 | 427289 | CENTER | 170 | 85 | 1/11/1974 | SANDSTONE | | DOMESTIC | 40.591240 | -81.083290 |
| 811 | 473155 | CENTER | 183 | 90 | 7/16/1974 | SANDSTONE | 35 | DOMESTIC | 40.590310 | -81.083510 |
| 812 | 522406 | CENTER | 166 | 81 | 7/6/1977 | SANDSTONE | | DOMESTIC | 40.590811 | -81.082605 |
| 813 | 875630 | CENTER | 169 | 95 | 9/25/1998 | | | DOMESTIC | 40.588800 | -81.082360 |
| 814 | 429273 | CENTER | 60 | 45 | 6/20/1972 | SHALE | | DOMESTIC | 40.603476 | -81.107837 |
| 815 | 273707 | CENTER | 60 | 30 | | SHALE | 30 | DOMESTIC | 40.601515 | -81.061941 |
| 816 | 390940 | CENTER | 101 | 21 | 1/5/1970 | SHALE | 7 | DOMESTIC | 40.583183 | -81.110495 |
| 817 | 2030377 | CENTER | 20 | | 11/4/2010 | SHALE | 10 | MONITOR | 40.577967 | -81.084700 |
| 818 | 2030378 | CENTER | 12 | 8 | 11/3/2010 | SILT | 10 | MONITOR | 40.577967 | -81.084967 |
| 819 | 2030379 | CENTER | 20 | 11.2 | 11/3/2010 | SHALE | 10 | MONITOR | 40.577817 | -81.085250 |
| 820 | 2030380 | CENTER | 12 | 6 | 11/4/2010 | SILT | 10 | MONITOR | 40.578067 | -81.084867 |
| 821 | 2030381 | CENTER | 19 | | 11/5/2010 | SHALE | 8 | MONITOR | 40.577717 | -81.085200 |
| 822 | 427504 | CENTER | 120 | 80 | 10/9/1971 | CLAY & SHALE | | | 40.562547 | -81.078244 |
| 823 | 480418 | CENTER | 197 | 40 | 10/10/1975 | SHALE | 38 | | 40.564803 | -81.072700 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|-----|---------------|----------|------------------|-------------------------|-----------------|--------------|-----------------------|----------|--------------------|-------------------|
| 824 | 708592 | CENTER | 167 | 57 | 3/27/1990 | SHALE | | DOMESTIC | 40.565797 | -81.074173 |
| 825 | 679144 | CENTER | 258 | 159 | 12/29/1988 | SHALE | | DOMESTIC | 40.564525 | -81.073738 |
| 826 | 752295 | CENTER | 238 | 145 | 7/30/1992 | SHALE | | DOMESTIC | 40.565012 | -81.072377 |
| 827 | 89194 | CENTER | 55 | 25 | 8/30/1952 | SAND | | | 40.562406 | -81.080949 |
| 828 | 327488 | CENTER | 100 | 50 | 1/9/1965 | SANDSTONE | | DOMESTIC | 40.564235 | -81.080949 |
| 829 | 356161 | CENTER | 100 | 60 | 12/20/1966 | SAND | | DOMESTIC | 40.564235 | -81.080949 |
| 830 | 356160 | CENTER | 138 | 65 | 12/16/1966 | SHELL | | DOMESTIC | 40.562963 | -81.081435 |
| 831 | 372026 | CENTER | 170 | 90 | 6/14/1968 | SAND | 30 | DOMESTIC | 40.562963 | -81.081435 |
| 832 | 184954 | CENTER | 85 | 35 | 4/21/1956 | SHALE | 20 | DOMESTIC | 40.596054 | -81.053673 |
| 833 | 239965 | CENTER | 65 | 30 | 6/16/1961 | SAND | 28 | DOMESTIC | 40.592669 | -81.063177 |
| 834 | 318424 | CENTER | 140 | 45 | 3/2/1965 | SHALE | | DOMESTIC | 40.585917 | -81.070615 |
| 835 | 318431 | CENTER | 117 | 26 | 4/27/1965 | SANDSTONE | 75 | DOMESTIC | 40.587585 | -81.067558 |
| 836 | 387852 | CENTER | 97 | 69 | 10/26/1968 | SAND | | DOMESTIC | 40.590754 | -81.060543 |
| 837 | 390903 | CENTER | 70 | 38 | 2/21/1969 | SHALE | 18 | DOMESTIC | 40.588303 | -81.066896 |
| 838 | 390934 | CENTER | 61 | 30 | 10/1/1970 | SHALE | 8 | DOMESTIC | 40.590818 | -81.065633 |
| 839 | 390936 | CENTER | 87 | 30 | 10/21/1970 | SHALE | | DOMESTIC | 40.588829 | -81.066755 |
| 840 | 420831 | CENTER | 201 | 142 | 10/19/1971 | SHALE | 2 | | 40.595484 | -81.058757 |
| 841 | 458323 | CENTER | 150 | 75 | 3/2/1974 | CLAY & SHALE | | DOMESTIC | 40.590463 | -81.070733 |
| 842 | 480440 | CENTER | 80 | 35 | 9/9/1976 | SHALE | 18 | | 40.591551 | -81.066135 |
| 843 | 626182 | CENTER | 59 | 23 | 10/28/1985 | SANDSTONE | 5 | DOMESTIC | 40.587174 | -81.068214 |
| 844 | 612620 | CENTER | 73 | 25 | 9/26/1983 | SANDSTONE | 3 | DOMESTIC | 40.588422 | -81.068533 |
| 845 | 2074444 | CENTER | 160 | 53 | 7/9/2019 | SHALE | 1 | DOMESTIC | 40.588200 | -81.070300 |
| 846 | 858546 | CENTER | 149 | 50 | 4/1/1998 | SHALE | 10 | DOMESTIC | 40.592390 | -81.064010 |
| 847 | 829723 | CENTER | 150 | 62 | 7/1/1997 | COAL | 4 | DOMESTIC | 40.590195 | -81.069248 |
| 848 | 671546 | CENTER | 102 | 49 | 6/18/1988 | SANDSTONE | | DOMESTIC | 40.591939 | -81.064416 |
| 849 | 718775 | CENTER | 124 | 50 | 1/30/1992 | SANDSTONE | 3 | OTHER | 40.591594 | -81.063153 |
| 850 | 622404 | CENTER | 96 | | 8/22/1982 | SANDSTONE | | DOMESTIC | 40.593206 | -81.063942 |
| 851 | 891151 | CENTER | 224 | 78 | 10/3/2000 | SHALE | | DOMESTIC | 40.593730 | -81.062350 |
| 852 | 643603 | CENTER | 146 | 126 | 10/12/1984 | SANDSTONE | 4 | DOMESTIC | 40.594525 | -81.061238 |
| 853 | 1002419 | CENTER | 236 | 167 | 5/22/2006 | SANDSTONE | 9 | DOMESTIC | 40.597830 | -81.055830 |
| 854 | 1019139 | CENTER | 150 | 89 | 5/14/2019 | SANDSTONE | | DOMESTIC | 40.596741 | -81.059752 |
| 855 | 89169 | CENTER | 70 | 20 | 11/9/1951 | SHALE | | DOMESTIC | 40.569620 | -81.107534 |
| 856 | 356174 | CENTER | 65 | 16 | 7/11/1967 | SHALE | 20 | DOMESTIC | 40.565597 | -81.110847 |
| 857 | 474153 | CENTER | 110 | 80 | 7/5/1974 | SHALE | 14 | | 40.567908 | -81.120225 |
| 858 | 491632 | CENTER | 148 | 78 | 7/31/1976 | SHALE | 42 | DOMESTIC | 40.570511 | -81.095470 |
| 859 | 509478 | CENTER | 75 | 45 | 10/12/1977 | SHALE | | DOMESTIC | 40.564635 | -81.124518 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|-----|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|-------------|--------------------|-------------------|
| 860 | 598751 | CENTER | 165 | 70 | 1/31/1981 | SHALE | 18 | DOMESTIC | 40.570308 | -81.105484 |
| 861 | 952370 | CENTER | 250 | | 3/11/2003 | LOAM | 2 | DOMESTIC | 40.570460 | -81.094650 |
| 862 | 598771 | CENTER | 140 | 65 | 6/26/1982 | SHALE | 3 | DOMESTIC | 40.570525 | -81.096583 |
| 863 | 858525 | CENTER | 195 | 137 | 10/18/1997 | COAL | 8 | DOMESTIC | 40.570260 | -81.096580 |
| 864 | 716329 | CENTER | 343 | 135 | 11/13/1991 | SANDSTONE | 26 | DOMESTIC | 40.570333 | -81.102637 |
| 865 | 716310 | CENTER | 89 | 26 | 8/20/1990 | LIMESTONE & SHALE | | DOMESTIC | 40.561131 | -81.126462 |
| 866 | 568410 | CENTER | 263 | 150 | 11/28/1980 | SHALE | 40 | DOMESTIC | 40.569651 | -81.109199 |
| 867 | 858550 | CENTER | 267 | 77 | 4/21/1998 | | | DOMESTIC | 40.570300 | -81.100100 |
| 868 | 659083 | CENTER | 318 | 170 | 7/7/1987 | SHALE | | DOMESTIC | 40.569752 | -81.113347 |
| 869 | 891087 | CENTER | 278 | 186 | 4/18/1999 | OLD WELL | | DOMESTIC | 40.569920 | -81.114950 |
| 870 | 679114 | CENTER | 125 | 65 | 9/2/1988 | SHALE | | DOMESTIC | 40.563255 | -81.125025 |
| 871 | 612639 | CENTER | 116 | 46 | 7/4/1984 | SHALE | | DOMESTIC | 40.562751 | -81.124164 |
| 872 | 1008253 | CENTER | 103 | 23 | 4/17/2009 | SHALE | | AGRIC/IRRIG | 40.565170 | -81.126000 |
| 873 | 913038 | CENTER | 265 | 151 | 8/31/2000 | SANDSTONE & SHALE | 2 | DOMESTIC | 40.570280 | -81.098700 |
| 874 | 909969 | CENTER | 120 | 56 | 12/5/2000 | OLD WELL | | DOMESTIC | 40.560000 | -81.079650 |
| 875 | 702372 | CENTER | 238 | 165 | 11/28/1989 | OLD WELL | | DOMESTIC | 40.560514 | -81.078458 |
| 876 | 891096 | CENTER | 350 | 63 | 6/1/1999 | SHALE | | DOMESTIC | 40.560807 | -81.074629 |
| 877 | 160568 | CENTER | 116 | 58 | 12/21/1955 | SHALE | 63 | DOMESTIC | 40.582055 | -81.024649 |
| 878 | 424356 | CENTER | 125 | 25 | 8/11/1971 | SHALE | | DOMESTIC | 40.582448 | -81.029007 |
| 879 | 514536 | CENTER | 300 | 125 | 11/6/1977 | SHALE | 8 | DOMESTIC | 40.581925 | -81.025382 |
| 880 | 514537 | CENTER | 130 | 15 | 11/27/1977 | SHALE | 8 | DOMESTIC | 40.581925 | -81.025382 |
| 881 | 932481 | CENTER | 215 | 115 | 5/20/2002 | EXISTING WELL | | DOMESTIC | 40.569170 | -81.026670 |
| 882 | 370093 | CENTER | 96 | 54 | 10/28/1979 | SHALE | 1 | DOMESTIC | 40.594661 | -81.100727 |
| 883 | 530830 | CENTER | 85 | 35 | 1/8/1978 | SHALE | 10 | DOMESTIC | 40.594984 | -81.098394 |
| 884 | 858912 | CENTER | 125 | 22 | 8/25/1997 | SHALE | | DOMESTIC | 40.596045 | -81.100205 |
| 885 | 726958 | CENTER | 120 | 30 | 6/5/1991 | SANDSTONE | | DOMESTIC | 40.595053 | -81.102629 |
| 886 | 1006558 | CENTER | 175 | 101 | 6/16/2009 | SHALE | 1 | DOMESTIC | 40.597170 | -81.103670 |
| 887 | 963547 | CENTER | 355 | 100 | 7/24/2006 | SHALE | | DOMESTIC | 40.595440 | -81.097650 |
| 888 | 883341 | CENTER | 131 | 45 | 4/12/2000 | SHALE | 3 | DOMESTIC | 40.596833 | -81.104833 |
| 889 | 932477 | CENTER | 80 | 11 | 6/28/2001 | SHALE | 10 | DOMESTIC | 40.595450 | -81.099500 |
| 890 | 372050 | CENTER | 65 | 42 | 10/21/1968 | CREVICE | 40 | DOMESTIC | 40.601732 | -81.079303 |
| 891 | 679102 | CENTER | 50 | 12 | 7/11/1988 | SAND | 6 | DOMESTIC | 40.597729 | -81.078129 |
| 892 | 223165 | CENTER | 49 | 35 | | SHALE | 46 | DOMESTIC | 40.577884 | -81.122256 |
| 893 | 23005 | CENTER | 201 | | 11/1/1948 | SAND | | DOMESTIC | 40.592233 | -81.106936 |
| 894 | 89158 | CENTER | 165 | 140 | 7/23/1951 | SAND | 38 | DOMESTIC | 40.563277 | -81.067719 |
| 895 | 103407 | CENTER | 123 | 90 | 5/19/1953 | SHALE | 45 | DOMESTIC | 40.563902 | -81.066218 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|-----|---------------|----------|------------------|-------------------------|-----------------|--------------|-----------------------|-----------|--------------------|-------------------|
| 896 | 103422 | CENTER | 62 | 40 | 8/8/1953 | SHALE | 25 | DOMESTIC | 40.589695 | -81.091176 |
| 897 | 103431 | CENTER | 200 | 160 | 10/15/1953 | SAND | | DOMESTIC | 40.603217 | -81.098480 |
| 898 | 103433 | CENTER | 81 | 20 | 11/5/1953 | SHALE | 10 | | 40.597673 | -81.095708 |
| 899 | 103450 | CENTER | 70 | 22 | 5/19/1965 | SAND | 45 | DOMESTIC | 40.583032 | -81.091904 |
| 900 | 125953 | CENTER | 78 | 30 | 5/29/1954 | SAND | 40 | DOMESTIC | 40.588318 | -81.091385 |
| 901 | 160113 | CENTER | 132 | 100 | 11/10/1955 | LIMESTONE | 30 | | 40.567849 | -81.072949 |
| 902 | 160124 | CENTER | 45 | 20 | | SAND | | DOMESTIC | 40.565830 | -81.071141 |
| 903 | 160130 | CENTER | 160 | 70 | 10/9/1956 | SAND | 80 | DOMESTIC | 40.603850 | -81.097630 |
| 904 | 173372 | CENTER | 186 | | 8/2/1956 | SANDSTONE | 20 | | 40.562976 | -81.064219 |
| 905 | 186921 | CENTER | 104 | 55 | 1/30/1957 | SHALE | | DOMESTIC | 40.561508 | -81.065260 |
| 906 | 213534 | CENTER | 50 | 20 | 6/10/1959 | SAND | 15 | DOMESTIC | 40.571101 | -81.075655 |
| 907 | 225527 | CENTER | 120 | 80 | 6/27/1959 | SANDSTONE | | | 40.599246 | -81.097013 |
| 908 | 239970 | CENTER | 80 | 55 | 8/30/1961 | SHALE | 15 | DOMESTIC | 40.598888 | -81.097913 |
| 909 | 241491 | CENTER | 155 | 50 | | SHALE | | DOMESTIC | 40.564319 | -81.068649 |
| 910 | 255370 | CENTER | 191 | 155 | | SHALE | 40 | DOMESTIC | 40.570049 | -81.073911 |
| 911 | 273726 | CENTER | 80 | 60 | | SANDSTONE | | DOMESTIC | 40.572446 | -81.077443 |
| 912 | 273740 | CENTER | 185 | 130 | 3/29/1963 | SANDSTONE | 48 | DOMESTIC | 40.567340 | -81.073916 |
| 913 | 318402 | CENTER | 206 | 140 | 8/24/1964 | SHALE | 45 | DOMESTIC | 40.566489 | -81.070145 |
| 914 | 318436 | CENTER | 122 | 90 | 6/16/1965 | SANDSTONE | 10 | DOMESTIC | 40.562325 | -81.064867 |
| 915 | 370055 | CENTER | 158 | 120 | 9/11/1967 | SANDSTONE | 13 | DOMESTIC | 40.565451 | -81.070393 |
| 916 | 372046 | CENTER | 88 | 64 | 10/12/1968 | SAND | | DOMESTIC | 40.598888 | -81.097913 |
| 917 | 411966 | CENTER | 166 | 114 | 10/13/1970 | SHALE | | DOMESTIC | 40.603051 | -81.097278 |
| 918 | 420814 | CENTER | 171 | 120 | 8/20/1971 | SANDSTONE | | | 40.568597 | -81.076313 |
| 919 | 427296 | CENTER | 190 | 110 | 5/21/1974 | SANDSTONE | | DOMESTIC | 40.569497 | -81.074132 |
| 920 | 455441 | CENTER | 107 | 80 | 9/8/1973 | SHALE | 4 | DOMESTIC | 40.601729 | -81.097095 |
| 921 | 464167 | CENTER | 130 | 80 | 4/3/1974 | SHALE | 4 | DOMESTIC | 40.601194 | -81.098117 |
| 922 | 464170 | CENTER | 148 | 103 | 4/19/1974 | SHALE | 4 | DOMESTIC | 40.600855 | -81.097094 |
| 923 | 473190 | CENTER | 147 | 107 | 8/3/1975 | SANDSTONE | | DOMESTIC | 40.601425 | -81.095965 |
| 924 | 474166 | CENTER | 98 | 70 | 1/2/1975 | SANDSTONE | 38 | DOMESTIC | 40.599222 | -81.095618 |
| 925 | 476228 | CENTER | 136 | 95 | 7/2/1975 | SHALE | | DOMESTIC | 40.561818 | -81.064419 |
| 926 | 477469 | CENTER | 162 | 110 | 9/9/1975 | SHALE | 4 | DOMESTIC | 40.601124 | -81.097520 |
| 927 | 480428 | CENTER | 160 | 110 | 3/5/1976 | SHALE | 70 | DOMESTIC | 40.600642 | -81.095847 |
| 928 | 516351 | CENTER | 206 | 140 | 3/5/1977 | SANDSTONE | | DOMESTIC | 40.569497 | -81.074132 |
| 929 | 643623 | CENTER | 170 | 103 | 5/30/1985 | SHALE | | DOMESTIC | 40.600855 | -81.097094 |
| 930 | 753929 | CENTER | 14 | 9 | 3/15/1993 | SHALE | 4 | TEST WELL | 40.577113 | -81.092541 |
| 931 | 473749 | CENTER | 105 | 59 | 8/22/1981 | SHALE | | DOMESTIC | 40.598888 | -81.097913 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|-----|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|------------|--------------------|-------------------|
| 932 | 1002428 | CENTER | 106 | 54 | 8/3/2006 | | | DOMESTIC | 40.599833 | -81.095500 |
| 933 | 839125 | CENTER | 180 | 79 | 5/26/1998 | SHALE | | DOMESTIC | 40.601500 | -81.096430 |
| 934 | 766951 | CENTER | 162 | 110 | 2/8/1993 | OLD WELL | | DOMESTIC | 40.601500 | -81.097038 |
| 935 | 752289 | CENTER | 169 | 115 | 7/13/1992 | OLD WELL | | DOMESTIC | 40.601734 | -81.097000 |
| 936 | 1002418 | CENTER | 152 | 111 | 5/19/2006 | | | COMMERCIAL | 40.601670 | -81.096000 |
| 937 | 635605 | CENTER | 209 | 162 | 4/23/1986 | SHALE | 2 | DOMESTIC | 40.602666 | -81.097412 |
| 938 | 716294 | CENTER | 226 | 155 | 9/18/1991 | SANDSTONE | | DOMESTIC | 40.603137 | -81.097138 |
| 939 | 752304 | CENTER | 226 | 138 | 9/11/1992 | OLD WELL | | DOMESTIC | 40.603145 | -81.097177 |
| 940 | 514524 | CENTER | 185 | 130 | 9/10/1977 | LIMESTONE | 2 | DOMESTIC | 40.583485 | -81.104461 |
| 941 | 427535 | CENTER | 75 | 20 | 12/24/1972 | CLAY & SHALE | | DOMESTIC | 40.568518 | -81.122963 |
| 942 | 522357 | CENTER | 74 | 21 | 5/1/1978 | SHALE | 3 | | 40.567631 | -81.122196 |
| 943 | 493743 | CENTER | 99 | 45 | 12/2/1976 | SHALE | 84 | | 40.568518 | -81.122963 |
| 944 | 766976 | CENTER | 99 | 44 | 7/1/1993 | OLD WELL | | DOMESTIC | 40.569230 | -81.123060 |
| 945 | 2013137 | CENTER | 125 | 67 | 10/16/2007 | SHALE | 2 | DOMESTIC | 40.568717 | -81.123228 |
| 946 | 89199 | CENTER | 45 | 30 | 10/17/1952 | SHALE | | | 40.566808 | -81.052138 |
| 947 | 143569 | CENTER | 74 | 15 | 5/7/1955 | SHALE | 24 | DOMESTIC | 40.568977 | -81.035448 |
| 948 | 160573 | CENTER | 98 | 32 | 1/30/1956 | SHALE | 30 | DOMESTIC | 40.570011 | -81.035762 |
| 949 | 184961 | CENTER | 75 | 40 | 6/15/1956 | SHALE | | DOMESTIC | 40.563315 | -81.020622 |
| 950 | 206077 | CENTER | 56 | 30 | 12/3/1953 | SHALE | | DOMESTIC | 40.570011 | -81.035762 |
| 951 | 353832 | CENTER | 125 | 50 | 6/1/1967 | SHALE | | | 40.571902 | -81.039126 |
| 952 | 390915 | CENTER | 55 | 35 | 6/28/1969 | SHALE | | DOMESTIC | 40.560589 | -81.059965 |
| 953 | 427278 | CENTER | 116 | 75 | 6/28/1973 | SHALE | 48 | DOMESTIC | 40.569761 | -81.050097 |
| 954 | 427513 | CENTER | 75 | 35 | 4/18/1977 | CLAY & SHALE | | DOMESTIC | 40.560589 | -81.061963 |
| 955 | 443611 | CENTER | 66 | 29 | 9/19/1972 | SHALE | 4 | DOMESTIC | 40.564236 | -81.055045 |
| 956 | 964050 | CENTER | 43 | | 6/19/2003 | SHALE | 2 | MONITOR | 40.568170 | -81.024720 |
| 957 | 964051 | CENTER | 133 | | 6/24/2003 | SHALE | | MONITOR | 40.569470 | -81.121530 |
| 958 | 964052 | CENTER | 14 | | 7/2/2003 | CLAY | | MONITOR | 40.565000 | -81.019900 |
| 959 | 964053 | CENTER | 58 | | 6/25/2003 | SHALE & SANDSTONE | 4 | MONITOR | 40.567900 | -81.019250 |
| 960 | 964054 | CENTER | 31 | | 7/2/2003 | SHALE | 6 | MONITOR | 40.565130 | -81.021880 |
| 961 | 964055 | CENTER | 63 | | 6/26/2003 | SHALE | | MONITOR | 40.569350 | -81.121570 |
| 962 | 964056 | CENTER | 133 | | 6/27/2003 | SHALE | 8 | MONITOR | 40.567970 | -81.019350 |
| 963 | 964057 | CENTER | 193 | | 6/23/2003 | SHALE & SANDSTONE | 4 | MONITOR | 40.568120 | -81.024870 |
| 964 | 964059 | CENTER | 138 | | 7/3/2003 | SHALE | 9 | MONITOR | 40.565170 | -81.022030 |
| 965 | 2023363 | CENTER | 10 | | 7/24/2009 | CLAY | | MONITOR | 40.562900 | -81.020160 |
| 966 | 2023364 | CENTER | 10 | | 7/24/2009 | CLAY | | MONITOR | 40.565040 | -81.021450 |
| 967 | 2023365 | CENTER | 10 | | 7/27/2009 | CLAY | | MONITOR | 40.565120 | -81.021800 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|-------------|--------------------|-------------------|
| 968 | 2023366 | CENTER | 15 | | 7/27/2009 | CLAY | | MONITOR | 40.565300 | -81.022810 |
| 969 | 2023367 | CENTER | 15 | | 7/27/2009 | CLAY | | MONITOR | 40.565870 | -81.019880 |
| 970 | 2023371 | CENTER | 177 | | 7/22/2009 | SHALE & SANDSTONE | 4 | MONITOR | 40.568116 | -81.024866 |
| 971 | 2060107 | CENTER | 70 | 16 | 10/21/2016 | SHALE & SILTSTONE | | MONITOR | 40.568089 | -81.024740 |
| 972 | 2060108 | CENTER | 75 | 40 | 10/20/2016 | SHALE | 2 | MONITOR | 40.565787 | -81.019938 |
| 973 | 2060109 | CENTER | 45 | 41.5 | 10/20/2016 | SHALE | 3 | MONITOR | 40.565734 | -81.019985 |
| 974 | 829702 | CENTER | 125 | 51 | 1/29/1997 | SANDSTONE | 4 | DOMESTIC | 40.560469 | -81.061736 |
| 975 | 1008074 | CENTER | 43 | 8 | 9/21/2012 | SANDSTONE | 7 | DOMESTIC | 40.556667 | -81.054833 |
| 976 | 1016776 | CENTER | 60 | 11 | 12/4/2012 | SHALE | 8 | DOMESTIC | 40.563783 | -81.054650 |
| 977 | 900384 | CENTER | 115 | 40 | 3/22/2014 | SANDSTONE | 17 | DOMESTIC | 40.567600 | -81.052500 |
| 978 | 458309 | CENTER | 55 | 30 | 8/20/1973 | CLAY & SHALE | | DOMESTIC | 40.571899 | -81.044751 |
| 979 | 613622 | CENTER | 138 | 65 | 10/20/1986 | SHALE | 19 | DOMESTIC | 40.571737 | -81.037984 |
| 980 | 1022483 | CENTER | 102 | 35 | 4/27/2023 | SHALE | 8 | DOMESTIC | 40.571222 | -81.038021 |
| 981 | 766992 | CENTER | 88 | 26 | 9/10/1993 | SHALE | 13 | DOMESTIC | 40.570696 | -81.038356 |
| 982 | 802805 | CENTER | 200 | 67 | 6/21/1995 | SANDSTONE | 8 | DOMESTIC | 40.571737 | -81.037655 |
| 983 | 1015628 | CENTER | 162 | 82 | 5/31/2012 | | | | 40.571333 | -81.037000 |
| 984 | 716269 | CENTER | 129 | 30 | 9/13/1991 | SANDSTONE | | DOMESTIC | 40.571108 | -81.036336 |
| 985 | 712391 | CENTER | 158 | | 12/29/1991 | SHALE | | DOMESTIC | 40.569420 | -81.035931 |
| 986 | 803465 | CENTER | 106 | 60 | 12/12/1996 | SHALE | 19 | DOMESTIC | 40.563654 | -81.020437 |
| 987 | 1009789 | CENTER | 155 | 60 | 8/27/2010 | SHALE | 13 | DOMESTIC | 40.563333 | -81.018850 |
| 988 | 781625 | CENTER | 142 | 61 | 10/16/1993 | SHALE | | DOMESTIC | 40.563460 | -81.016123 |
| 989 | 573746 | CENTER | 235 | 190 | 7/27/1981 | CLEANOUT | | DOMESTIC | 40.583082 | -81.106337 |
| 990 | 889541 | CENTER | 36 | | 4/15/1999 | SANDSTONE | 5 | | 40.621000 | -81.050310 |
| 991 | 241461 | CENTER | 234 | 175 | | SHALE | 50 | DOMESTIC | 40.592339 | -81.103362 |
| 992 | 427266 | CENTER | 212 | 170 | 8/26/1972 | SHALE | 55 | DOMESTIC | 40.590654 | -81.102351 |
| 993 | 427534 | CENTER | 208 | 140 | 12/9/1972 | SHALE | | DOMESTIC | 40.583678 | -81.107962 |
| 994 | 500318 | CENTER | 275 | 160 | 11/10/1976 | SHALE | 5 | DOMESTIC | 40.589959 | -81.102923 |
| 995 | 679115 | CENTER | 193 | 131 | 9/6/1988 | SANDSTONE | | DOMESTIC | 40.585599 | -81.102520 |
| 996 | 573742 | CENTER | 165 | 119 | 7/2/1981 | CLEANOUT | | DOMESTIC | 40.585730 | -81.101596 |
| 997 | 764537 | CENTER | 200 | 89 | 11/2/1993 | SANDSTONE | | AGRIC/IRRIG | 40.588571 | -81.101702 |
| 998 | 671515 | CENTER | 365 | 164 | 11/14/1987 | SANDSTONE | | DOMESTIC | 40.590155 | -81.103123 |
| 999 | 464205 | CENTER | 210 | 180 | 10/2/1973 | SHALE | | DOMESTIC | 40.591111 | -81.102800 |
| 1000 | 573725 | CENTER | 210 | 170 | 2/25/1981 | CLEANOUT | | DOMESTIC | 40.591111 | -81.102800 |
| 1001 | 894269 | CENTER | 255 | 100 | 10/23/1999 | SHALE | 8 | DOMESTIC | 40.593880 | -81.107250 |
| 1002 | 650362 | CENTER | 116 | 80 | 8/18/1987 | SANDSTONE | 12 | DOMESTIC | 40.592031 | -81.104256 |
| 1003 | 874629 | CENTER | 160 | 90 | 4/3/1998 | SHALE | 115 | DOMESTIC | 40.594650 | -81.107680 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|--------------|--------------------|-------------------|
| 1004 | 883750 | CENTER | 204 | | 2/25/1999 | SANDSTONE | 6 | DOMESTIC | 40.576270 | -81.135300 |
| 1005 | 716336 | CENTER | 265 | 125 | 1/6/1992 | SHALE | 25 | DOMESTIC | 40.576857 | -81.129105 |
| 1006 | 721746 | CENTER | 175 | 122 | 6/18/1992 | SANDSTONE | 6 | DOMESTIC | 40.577016 | -81.129864 |
| 1007 | 573744 | CENTER | 198 | 130 | 7/14/1981 | CLEANOUT | | DOMESTIC | 40.603511 | -81.098026 |
| 1008 | 1020510 | CENTER | 220 | 165 | 9/23/2022 | SANDSTONE | 5 | DOMESTIC | 40.604407 | -81.100386 |
| 1009 | 695846 | CENTER | 220 | 169 | 8/21/1989 | OLD WELL | | DOMESTIC | 40.604156 | -81.099040 |
| 1010 | 952393 | CENTER | 200 | 125 | 10/13/2003 | SHALE | 3 | DOMESTIC | 40.573330 | -81.124830 |
| 1011 | 750759 | CENTER | 275 | 130 | | SHALE | 8 | DOMESTIC | 40.577797 | -81.130236 |
| 1012 | 955645 | CENTER | 215 | 143 | 9/10/2004 | SHALE | | DOMESTIC | 40.588190 | -81.130160 |
| 1013 | 642364 | CENTER | 53 | 25 | 5/21/1986 | SHALE | 5 | | 40.572407 | -81.075947 |
| 1014 | 766958 | CENTER | 191 | 115 | 4/10/1993 | SANDSTONE | 2 | DOMESTIC | 40.572417 | -81.075933 |
| 1015 | 613604 | CENTER | 195 | 135 | 2/14/1984 | SANDSTONE | | DOMESTIC | 40.571210 | -81.074849 |
| 1016 | 750757 | CENTER | 175 | | 9/28/1992 | SANDSTONE | 3 | DOMESTIC | 40.571658 | -81.075786 |
| 1017 | 803426 | CENTER | 170 | 120 | 11/5/1994 | SANDSTONE | | DOMESTIC | 40.571284 | -81.075798 |
| 1018 | 747212 | CENTER | 188 | 140 | 9/20/1993 | SANDSTONE | 2 | DOMESTIC | 40.571217 | -81.074995 |
| 1019 | 818477 | CENTER | 177 | 140 | 12/6/1995 | SANDSTONE | 10 | DOMESTIC | 40.600701 | -81.098771 |
| 1020 | 653689 | CENTER | 175 | 131 | 9/30/1988 | SHALE | 20 | DOMESTIC | 40.600847 | -81.099314 |
| 1021 | 844755 | CENTER | 198 | 148 | 2/4/1997 | SANDSTONE | | DOMESTIC | 40.601268 | -81.098612 |
| 1022 | 965330 | CENTER | 224 | 139 | 3/23/2004 | SANDSTONE | 4 | DOMESTIC | 40.601330 | -81.099170 |
| 1023 | 659062 | CENTER | 223 | 136 | 1/19/1987 | SHALE | 5 | DOMESTIC | 40.601812 | -81.098651 |
| 1024 | 186941 | CENTER | 69 | 22 | | SHALE | | | 40.592628 | -81.079256 |
| 1025 | 213512 | CENTER | 32 | 2 | 9/15/1958 | SAND | | | 40.596299 | -81.078912 |
| 1026 | 356156 | CENTER | 85 | 9 | 11/10/1966 | SHALE & SANDSTONE | | DOMESTIC | 40.588042 | -81.081986 |
| 1027 | 458305 | CENTER | 100 | 40 | 8/6/1973 | CLAY & SHALE | | DOMESTIC | 40.601068 | -81.071048 |
| 1028 | 626191 | CENTER | 60 | 16 | 11/26/1985 | SHALE | | DOMESTIC | 40.588064 | -81.078448 |
| 1029 | 9910001 | CENTER | 448 | 26 | 6/11/1937 | SANDSTONE | 16 | | 40.586263 | -81.082765 |
| 1030 | 687777 | CENTER | 125 | 8 | 10/12/1988 | SANDSTONE | 12 | AGRIC/IRRIG | 40.585996 | -81.075273 |
| 1031 | 671877 | CENTER | 178 | 138 | 8/28/1989 | SHALE | | DOMESTIC | 40.600485 | -81.073138 |
| 1032 | 679145 | CENTER | 162 | 118 | 12/31/1988 | SHALE | 6 | DOMESTIC | 40.601397 | -81.072666 |
| 1033 | 1008207 | CENTER | 279 | 139 | 10/21/2007 | SANDSTONE | 82 | DOMESTIC | 40.601167 | -81.070167 |
| 1034 | 1002458 | CENTER | 274 | 142 | 8/3/2007 | LIMESTONE | | DOMESTIC | 40.602833 | -81.068667 |
| 1035 | 573708 | CENTER | 305 | 160 | 10/14/1980 | SHALE | | DOMESTIC | 40.585313 | -81.106421 |
| 1036 | 671502 | CENTER | 330 | 131 | 9/29/1987 | SANDSTONE | 4 | | 40.585247 | -81.106016 |
| 1037 | 671503 | CENTER | 259 | 164 | 9/29/1987 | SHALE | 2 | | 40.585243 | -81.106004 |
| 1038 | 143586 | CENTER | 112 | 50 | 8/15/1955 | SHALE | 36 | DOMESTIC | 40.591955 | -81.087173 |
| 1039 | 186942 | CENTER | 200 | 150 | | SAND | 44 | DRY/NO WATER | 40.591391 | -81.088347 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|---------------|-----------------------|----------|--------------------|-------------------|
| 1040 | 302814 | CENTER | 75 | 40 | 9/21/1963 | SANDSTONE | 10 | | 40.602324 | -81.085238 |
| 1041 | 400715 | CENTER | 35 | 20 | 2/21/1970 | SHALE | 4 | DOMESTIC | 40.601273 | -81.085519 |
| 1042 | 2001630 | CENTER | 15 | 4 | 2/13/2006 | SAND | 8 | MONITOR | 40.574480 | -81.089800 |
| 1043 | 2001631 | CENTER | 23.5 | 9 | 2/13/2006 | SHALE | 4 | MONITOR | 40.574570 | -81.089770 |
| 1044 | 2001632 | CENTER | 15 | 2 | 2/13/2006 | SHALE | 2 | MONITOR | 40.574520 | -81.089780 |
| 1045 | 2001705 | CENTER | 25 | | 3/3/2006 | SHALE | 8 | MONITOR | 40.574630 | -81.089720 |
| 1046 | 2001707 | CENTER | 25 | | 3/3/2006 | SHALE | 8 | MONITOR | 40.574650 | -81.089600 |
| 1047 | 2002613 | CENTER | 20 | 6 | 4/21/2006 | SHALE | 8 | MONITOR | 40.574580 | -81.089880 |
| 1048 | 2002615 | CENTER | 20 | 20 | 4/21/2006 | SHALE | 4 | MONITOR | 40.574520 | -81.089600 |
| 1049 | 2036237 | CENTER | 10.5 | 4 | 11/17/2011 | GRAVEL | 10 | MONITOR | 40.574483 | -81.089550 |
| 1050 | 2036238 | CENTER | 12 | 2 | 11/17/2011 | CLAY | 4 | MONITOR | 40.574467 | -81.089750 |
| 1051 | 2036239 | CENTER | 12 | 2 | 11/17/2011 | SAND | 6 | MONITOR | 40.574550 | -81.089800 |
| 1052 | 2038175 | CENTER | 11.2 | | 6/11/2012 | SHALE | 6 | MONITOR | 40.574450 | -81.089517 |
| 1053 | 2038179 | CENTER | 7.2 | | 6/11/2012 | CLAY | | MONITOR | 40.574483 | -81.089667 |
| 1054 | 2038180 | CENTER | 7.1 | | 6/12/2012 | CLAY | | MONITOR | 40.574417 | -81.089883 |
| 1055 | 2038181 | CENTER | 9.5 | 4 | 6/12/2012 | GRAVEL & CLAY | 8 | MONITOR | 40.574283 | -81.090033 |
| 1056 | 2038183 | CENTER | 7.5 | | 6/12/2012 | SHALE | 7 | MONITOR | 40.574183 | -81.089900 |
| 1057 | 2042301 | CENTER | 7 | | 3/12/2013 | SHALE | 6 | MONITOR | 40.574700 | -81.089500 |
| 1058 | 2042302 | CENTER | 8.5 | | 3/12/2013 | SHALE | 8 | MONITOR | 40.574700 | -81.089300 |
| 1059 | 2042303 | CENTER | 9.5 | | 3/12/2013 | SHALE | 6 | MONITOR | 40.574300 | -81.089300 |
| 1060 | 2042304 | CENTER | 7.5 | | 3/12/2013 | SANDSTONE | 4 | MONITOR | 40.574100 | -81.089500 |
| 1061 | 2042305 | CENTER | 8 | | 3/12/2013 | SANDSTONE | 6 | MONITOR | 40.574200 | -81.089800 |
| 1062 | 2051451 | CENTER | 11 | | 2/9/2015 | SANDSTONE | 8 | MONITOR | 40.574517 | -81.089933 |
| 1063 | 2071247 | CENTER | 7 | 3 | 11/2/2018 | CLAY | | MONITOR | 40.574540 | -81.089810 |
| 1064 | 2071248 | CENTER | 9 | 2.5 | 11/2/2018 | GRAVEL | | MONITOR | 40.574500 | -81.089610 |
| 1065 | 2071249 | CENTER | 7.8 | 2.5 | 11/2/2018 | GRAVEL | | MONITOR | 40.574530 | -81.089820 |
| 1066 | 2080303 | CENTER | 10 | | 4/2/2020 | | | MONITOR | 40.574360 | -81.090030 |
| 1067 | 125995 | CENTER | 102 | 40 | 8/18/1955 | SAND | 60 | DOMESTIC | 40.582454 | -81.071305 |
| 1068 | 273749 | CENTER | 137 | 75 | 5/23/1963 | SANDSTONE | | DOMESTIC | 40.580570 | -81.069565 |
| 1069 | 520571 | CENTER | 145 | 60 | 8/29/1977 | SANDSTONE | | DOMESTIC | 40.581595 | -81.067558 |
| 1070 | 643634 | CENTER | 96 | 46 | 8/10/1985 | OLD WELL | | DOMESTIC | 40.582143 | -81.071861 |
| 1071 | 987632 | CENTER | 192 | 53 | 12/10/2004 | | 5 | DOMESTIC | 40.581670 | -81.071330 |
| 1072 | 635608 | CENTER | 102 | 44 | 5/3/1986 | SHALE | 12 | DOMESTIC | 40.581471 | -81.070365 |
| 1073 | 702370 | CENTER | 192 | 66 | 11/15/1989 | SANDSTONE | | DOMESTIC | 40.581542 | -81.070443 |
| 1074 | 1015629 | CENTER | 175 | 105 | 7/14/2012 | SANDSTONE | 1 | DOMESTIC | 40.581111 | -81.065833 |
| 1075 | 527955 | CENTER | 215 | 110 | 7/24/1978 | SHALE | | | 40.582850 | -81.057176 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|-------------|--------------------|-------------------|
| 1076 | 671510 | CENTER | 264 | 148 | 10/30/1987 | SANDSTONE | 6 | | 40.582957 | -81.057720 |
| 1077 | 826766 | CENTER | 66 | 23 | 8/7/1998 | SHALE | 13 | DOMESTIC | 40.584710 | -81.049930 |
| 1078 | 929258 | CENTER | 137 | 68 | 5/29/2001 | SANDSTONE | 9 | DOMESTIC | 40.584730 | -81.049770 |
| 1079 | 795246 | CENTER | 140 | 70 | 6/20/1995 | SANDSTONE | | DOMESTIC | 40.583323 | -81.049974 |
| 1080 | 795220 | CENTER | 137 | 80 | 4/13/1995 | SANDSTONE | | DOMESTIC | 40.585776 | -81.049023 |
| 1081 | 2090108 | CENTER | 240 | 83 | 12/3/2021 | SHALE | | DOMESTIC | 40.585780 | -81.049020 |
| 1082 | 854835 | CENTER | 185 | 35 | 10/9/1997 | SANDSTONE | | DOMESTIC | 40.584640 | -81.048660 |
| 1083 | 803472 | CENTER | 211 | 145 | 8/22/1997 | SHALE | 1 | DOMESTIC | 40.586042 | -81.045467 |
| 1084 | 877525 | CENTER | 250 | 75 | 8/27/1999 | SHALE | 3 | DOMESTIC | 40.586050 | -81.046910 |
| 1085 | 2082464 | CENTER | 402 | 215 | 8/12/2004 | SANDSTONE | 2 | DOMESTIC | 40.583339 | -81.033522 |
| 1086 | 783510 | CENTER | 255 | 100 | 3/22/1994 | SHALE | | DOMESTIC | 40.587765 | -81.045683 |
| 1087 | 888933 | CENTER | 440 | | 4/2/1999 | SANDSTONE & SHALE | 8 | DOMESTIC | 40.587410 | -81.044670 |
| 1088 | 1008077 | CENTER | 407 | 190 | 12/18/2012 | SANDSTONE | 4 | DOMESTIC | 40.591683 | -81.041950 |
| 1089 | 716284 | CENTER | 195 | 143 | 8/19/1991 | OLD WELL | | DOMESTIC | 40.568286 | -81.072968 |
| 1090 | 883326 | CENTER | 135 | 5 | 6/5/2001 | SANDSTONE | | AGRIC/IRRIG | 40.583291 | -81.075980 |
| 1091 | 125979 | CENTER | 90 | 60 | 5/7/1955 | SAND | 15 | DOMESTIC | 40.592087 | -81.065787 |
| 1092 | 186934 | CENTER | 86 | 45 | 5/14/1957 | SHALE | | DOMESTIC | 40.596463 | -81.065693 |
| 1093 | 387888 | CENTER | 145 | 70 | 7/25/1969 | SHALE | | | 40.594450 | -81.065727 |
| 1094 | 427545 | CENTER | 110 | 60 | 4/30/1973 | SANDSTONE | | DOMESTIC | 40.595496 | -81.064971 |
| 1095 | 514521 | CENTER | 136 | 80 | 7/23/1977 | SANDSTONE | 6 | DOMESTIC | 40.595496 | -81.064971 |
| 1096 | 695831 | CENTER | 138 | 54 | 5/22/1989 | SANDSTONE | | DOMESTIC | 40.594421 | -81.065839 |
| 1097 | 532014 | CENTER | 149 | 81 | 5/1/1978 | SANDSTONE | | | 40.596975 | -81.065751 |
| 1098 | 766961 | CENTER | 194 | 94 | 5/3/1993 | SANDSTONE | | AGRIC/IRRIG | 40.596953 | -81.065520 |
| 1099 | 930220 | CENTER | 253 | 36 | 11/24/2001 | SHALE | 1 | AGRIC/IRRIG | 40.594540 | -81.066370 |
| 1100 | 273710 | CENTER | 177 | 132 | | SANDSTONE | 70 | DOMESTIC | 40.569214 | -81.073516 |
| 1101 | 143773 | CENTER | 140 | 105 | 6/1/1954 | SAND | 40 | DOMESTIC | 40.562051 | -81.042834 |
| 1102 | 160104 | CENTER | 44 | 12 | 9/17/1955 | SHALE | | DOMESTIC | 40.563255 | -81.051122 |
| 1103 | 473153 | CENTER | 142 | 90 | 6/29/1974 | SHALE | | DOMESTIC | 40.564675 | -81.050166 |
| 1104 | 721734 | CENTER | 100 | 50 | 5/13/1992 | SANDSTONE | 8 | DOMESTIC | 40.563484 | -81.053947 |
| 1105 | 875606 | CENTER | 122 | 58 | 5/20/1998 | SAND & ROCK | 88 | DOMESTIC | 40.563780 | -81.050340 |
| 1106 | 766998 | CENTER | 208 | 84 | 10/11/1993 | SANDSTONE | 8 | DOMESTIC | 40.563757 | -81.049846 |
| 1107 | 612641 | CENTER | 72 | 24 | 8/2/1989 | SHALE | | DOMESTIC | 40.562766 | -81.037978 |
| 1108 | 802828 | CENTER | 150 | 54 | 9/13/1995 | SHALE | 6 | DOMESTIC | 40.561630 | -81.034502 |
| 1109 | 987637 | CENTER | 264 | 96 | 10/16/2004 | | 5 | DOMESTIC | 40.563330 | -81.032670 |
| 1110 | 877437 | CENTER | 150 | | 7/14/1998 | SHALE | 1 | DOMESTIC | 40.563150 | -81.033850 |
| 1111 | 802844 | CENTER | 150 | 39 | 11/7/1995 | SHALE | 6 | DOMESTIC | 40.563133 | -81.028057 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|--------------|-----------------------|-------------|--------------------|-------------------|
| 1112 | 902176 | CENTER | 150 | 77 | 9/1/1999 | SHALE | 2 | DOMESTIC | 40.562840 | -81.030600 |
| 1113 | 802799 | CENTER | 100 | 46 | 5/8/1995 | SHALE | 2 | DOMESTIC | 40.563253 | -81.026421 |
| 1114 | 909967 | CENTER | 71 | 25 | 12/17/2000 | SHALE | 20 | DOMESTIC | 40.563580 | -81.045180 |
| 1115 | 930563 | CENTER | 115 | 70 | 7/22/2001 | SANDSTONE | 5 | DOMESTIC | 40.563700 | -81.049840 |
| 1116 | 1013900 | CENTER | 95 | 61 | 11/15/2010 | SANDSTONE | 5 | DOMESTIC | 40.562090 | -81.026573 |
| 1117 | 836927 | CENTER | 35 | 10 | 6/7/1996 | SANDSTONE | 2 | DOMESTIC | 40.561495 | -81.027521 |
| 1118 | 829651 | CENTER | 150 | 100 | 5/6/1996 | SHALE | 3 | DOMESTIC | 40.560213 | -81.026447 |
| 1119 | 458350 | CENTER | 235 | 125 | 4/12/1975 | SANDSTONE | | DOMESTIC | 40.583082 | -81.106337 |
| 1120 | 507558 | CENTER | 215 | 130 | 9/29/1977 | SHALE | | DOMESTIC | 40.583826 | -81.105732 |
| 1121 | 942269 | CENTER | 87 | 30 | 10/6/2002 | SHALE | 1 | DOMESTIC | 40.581500 | -81.109250 |
| 1122 | 957263 | CENTER | 107 | 35 | 3/3/2003 | CLAY & SHALE | | AGRIC/IRRIG | 40.582370 | -81.110570 |
| 1123 | 635636 | CENTER | 231 | 154 | 9/10/1986 | SHALE | | DOMESTIC | 40.564803 | -81.072700 |
| 1124 | 273709 | CENTER | 206 | 150 | | SANDSTONE | | DOMESTIC | 40.564237 | -81.075129 |
| 1125 | 318401 | CENTER | 196 | 145 | 8/13/1964 | SANDSTONE | 90 | DOMESTIC | 40.565870 | -81.076634 |
| 1126 | 318421 | CENTER | 227 | 150 | 11/28/1964 | SHALE | | DOMESTIC | 40.565474 | -81.075856 |
| 1127 | 339924 | CENTER | 220 | 150 | 1/13/1966 | SHALE | 18 | DOMESTIC | 40.565980 | -81.075387 |
| 1128 | 932494 | CENTER | 31 | 18 | 7/17/2002 | SHALE | | DOMESTIC | 40.573330 | -81.092670 |
| 1129 | 955603 | CENTER | 71 | 27 | 9/24/2002 | SANDSTONE | 1 | DOMESTIC | 40.578300 | -81.098780 |
| 1130 | 781614 | CENTER | 68 | 17 | 5/28/1994 | SHALE | 16 | DOMESTIC | 40.579120 | -81.105995 |
| 1131 | 799277 | CENTER | 71 | 15 | 8/3/1994 | SHALE | 16 | DOMESTIC | 40.579296 | -81.106813 |
| 1132 | 686696 | CENTER | 90 | 40 | 10/14/1988 | SANDSTONE | | DOMESTIC | 40.580237 | -81.107280 |
| 1133 | 716333 | CENTER | 110 | 38 | 11/20/1991 | SHALE | | DOMESTIC | 40.578980 | -81.110484 |
| 1134 | 1019103 | CENTER | 110 | 28 | 4/15/2016 | SHALE | | OTHER | 40.576767 | -81.114333 |
| 1135 | 902248 | CENTER | 125 | 27 | 6/27/2000 | SHALE | 3 | DOMESTIC | 40.579630 | -81.109240 |
| 1136 | 1008231 | CENTER | 90 | 40 | 7/31/2008 | SHALE | | DOMESTIC | 40.574667 | -81.118167 |
| 1137 | 125994 | CENTER | 46 | 20 | 8/3/1955 | SHALE | | DOMESTIC | 40.575389 | -81.089759 |
| 1138 | 143568 | CENTER | 100 | 55 | 5/7/1955 | SAND | | DOMESTIC | 40.575339 | -81.059913 |
| 1139 | 160102 | CENTER | 44 | 6 | 9/6/1955 | SHALE | 30 | DOMESTIC | 40.577321 | -81.112927 |
| 1140 | 160148 | CENTER | 45 | 20 | 6/7/1957 | SANDSTONE | 18 | DOMESTIC | 40.574910 | -81.071366 |
| 1141 | 160557 | CENTER | 124 | 65 | 10/16/1955 | SAND | | DOMESTIC | 40.575473 | -81.065464 |
| 1142 | 160558 | CENTER | 160 | 70 | 11/15/1955 | SHALE | | DOMESTIC | 40.574176 | -81.064146 |
| 1143 | 206055 | CENTER | 75 | 45 | 7/24/1957 | SHALE | 45 | DOMESTIC | 40.576889 | -81.125138 |
| 1144 | 206063 | CENTER | 147 | 68 | | SHALE | 70 | DOMESTIC | 40.574485 | -81.068262 |
| 1145 | 223192 | CENTER | 148 | 112 | | SANDSTONE | | DOMESTIC | 40.574410 | -81.072555 |
| 1146 | 239966 | CENTER | 50 | 8 | 6/22/1961 | SHALE | 30 | DOMESTIC | 40.574727 | -81.115432 |
| 1147 | 241459 | CENTER | 90 | 35 | | SHALE | | DOMESTIC | 40.574643 | -81.060854 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|-----------------|--------------------|-------------------|
| 1148 | 241475 | CENTER | 130 | 50 | | SHALE | 30 | DOMESTIC | 40.574893 | -81.070020 |
| 1149 | 273732 | CENTER | 85 | 25 | | SHALE | | DOMESTIC | 40.574727 | -81.115432 |
| 1150 | 318405 | CENTER | 138 | 55 | 9/9/1964 | SANDSTONE | 65 | DOMESTIC | 40.577833 | -81.041810 |
| 1151 | 339950 | CENTER | 60 | 30 | 7/7/1966 | SHALE | 42 | DOMESTIC | 40.576058 | -81.115699 |
| 1152 | 356739 | CENTER | 182 | 110 | 11/4/1968 | SANDSTONE | | | 40.564424 | -81.068385 |
| 1153 | 370053 | CENTER | 182 | 130 | 9/4/1967 | SANDSTONE | | DOMESTIC | 40.564832 | -81.064596 |
| 1154 | 372002 | CENTER | 230 | 125 | 3/4/1968 | SAND | 30 | DOMESTIC | 40.572078 | -81.050378 |
| 1155 | 379789 | CENTER | 100 | 40 | | SHALE | 60 | DOMESTIC | 40.579973 | -81.034752 |
| 1156 | 390908 | CENTER | 42 | 15 | 4/21/1969 | SANDSTONE | | DOMESTIC | 40.578067 | -81.111225 |
| 1157 | 396669 | CENTER | 86 | 25 | | SHELL | 55 | DOMESTIC | 40.574727 | -81.115432 |
| 1158 | 400725 | CENTER | 52 | 10 | 4/28/1970 | SAND | 3 | DOMESTIC | 40.580023 | -81.038650 |
| 1159 | 432440 | CENTER | 65 | 30 | 7/25/1972 | LIMESTONE | 4 | DOMESTIC | 40.586238 | -81.027940 |
| 1160 | 449837 | CENTER | 145 | 110 | 11/24/1973 | SHALE | | DOMESTIC | 40.575621 | -81.066280 |
| 1161 | 464187 | CENTER | 176 | 145 | 7/10/1974 | SAND | 4 | | 40.575621 | -81.066280 |
| 1162 | 477475 | CENTER | 235 | 60 | 10/27/1975 | SANDSTONE | | DOMESTIC | 40.582302 | -81.031304 |
| 1163 | 514507 | CENTER | 132 | 98 | 5/8/1977 | SHALE | 2 | DOMESTIC | 40.562325 | -81.064867 |
| 1164 | 514510 | CENTER | 93 | 38 | 5/19/1977 | SHALE | 10 | DOMESTIC | 40.578908 | -81.110323 |
| 1165 | 522361 | CENTER | 106 | 29 | 5/28/1978 | SHALE & SANDSTONE | 48 | DOMESTIC | 40.574786 | -81.116184 |
| 1166 | 522400 | CENTER | 89 | 12 | 11/27/1978 | SHALE | 55 | DOMESTIC | 40.573313 | -81.122864 |
| 1167 | 527989 | CENTER | 151 | 110 | 7/14/1979 | SHALE | | DOMESTIC | 40.564832 | -81.064596 |
| 1168 | 2034523 | CENTER | 150 | | 9/20/2011 | SHALE | 3 | HEATING/COOLING | 40.573930 | -81.073590 |
| 1169 | 550256 | CENTER | 163 | 220 | 10/5/1979 | SANDSTONE | 14 | DOMESTIC | 40.576035 | -81.073379 |
| 1170 | 820033 | CENTER | 320 | 116 | 7/26/1995 | SHALE | | DOMESTIC | 40.576251 | -81.073514 |
| 1171 | 790963 | CENTER | 200 | 120 | 8/23/1994 | SANDSTONE | 3 | DOMESTIC | 40.575904 | -81.072288 |
| 1172 | 1012489 | CENTER | 170 | 123 | 5/5/2010 | SHALE | | DOMESTIC | 40.574230 | -81.064760 |
| 1173 | 2048757 | CENTER | 150 | 40 | 8/15/2014 | SANDSTONE & SHALE | | DOMESTIC | 40.575328 | -81.066883 |
| 1174 | 2049021 | CENTER | 150 | 40 | 8/15/2014 | SANDSTONE & SHALE | | DOMESTIC | 40.575328 | -81.066883 |
| 1175 | 534158 | CENTER | 62 | 3 | 11/6/1978 | SANDSTONE | 14 | DOMESTIC | 40.571931 | -81.050101 |
| 1176 | 1019676 | CENTER | 165 | 88 | 1/6/2017 | SHALE | | DOMESTIC | 40.573610 | -81.049410 |
| 1177 | 514532 | CENTER | 103 | 30 | 10/19/1977 | SAND | 2 | DOMESTIC | 40.572553 | -81.046957 |
| 1178 | 798484 | CENTER | 102 | 29 | 10/9/1994 | SHALE | | DOMESTIC | 40.575615 | -81.043216 |
| 1179 | 716309 | CENTER | 206 | 78 | 8/10/1990 | SHALE | 3 | DOMESTIC | 40.578254 | -81.039495 |
| 1180 | 2038771 | CENTER | 220 | 52 | 7/30/2012 | SHALE | 2 | DOMESTIC | 40.582902 | -81.040615 |
| 1181 | 476241 | CENTER | 208 | 130 | 9/30/1975 | SHALE | 4 | DOMESTIC | 40.582974 | -81.028996 |
| 1182 | 702374 | CENTER | 243 | 54 | 12/14/1989 | SANDSTONE | 235 | DOMESTIC | 40.589613 | -81.027510 |
| 1183 | 1021425 | CENTER | 225 | 54 | 8/25/2020 | SANDSTONE | 8 | DOMESTIC | 40.581710 | -81.040483 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|-------------|--------------------|-------------------|
| 1184 | 186928 | CENTER | 92 | 45 | 4/4/1957 | SHALE | 48 | DOMESTIC | 40.566196 | -81.090712 |
| 1185 | 370052 | CENTER | 196 | 150 | 8/24/1967 | SANDSTONE | 75 | DOMESTIC | 40.560706 | -81.093522 |
| 1186 | 372033 | CENTER | 300 | 150 | 7/23/1968 | CORED | 3 | | 40.560667 | -81.094401 |
| 1187 | 396662 | CENTER | 186 | 145 | | SANDSTONE | 80 | DOMESTIC | 40.561626 | -81.092913 |
| 1188 | 396663 | CENTER | 195 | 145 | 7/21/1970 | SANDSTONE | 100 | DOMESTIC | 40.560706 | -81.093522 |
| 1189 | 396670 | CENTER | 217 | 165 | 9/12/1970 | SANDSTONE | 26 | | 40.562676 | -81.092727 |
| 1190 | 578663 | CENTER | 130 | 38 | 10/20/1981 | SANDSTONE | | DOMESTIC | 40.564233 | -81.095603 |
| 1191 | 601534 | CENTER | 228 | 114 | 7/12/1982 | SHALE | 4 | | 40.560667 | -81.094401 |
| 1192 | 952363 | CENTER | 75 | | 12/16/2002 | LOAM | 1 | AGRIC/IRRIG | 40.559713 | -81.099167 |
| 1193 | 1019700 | CENTER | 175 | 68 | 2/28/2017 | SHALE | 10 | DOMESTIC | 40.564796 | -81.092012 |
| 1194 | 702375 | CENTER | 267 | 118 | 1/2/1990 | SHALE | | DOMESTIC | 40.560582 | -81.094802 |
| 1195 | 752307 | CENTER | 270 | 119 | 9/21/1992 | SHALE | | | 40.560577 | -81.094772 |
| 1196 | 626194 | CENTER | 202 | 136 | 12/9/1985 | COAL | 2 | DOMESTIC | 40.568088 | -81.073638 |
| 1197 | 532046 | CENTER | 204 | 147 | 11/15/1978 | COAL | | DOMESTIC | 40.567252 | -81.072091 |
| 1198 | 628448 | CENTER | 157 | 95 | 1/21/1987 | SHALE | | | 40.566471 | -81.072559 |
| 1199 | 522696 | CENTER | 208 | 135 | 3/15/1979 | SHALE & SANDSTONE | 145 | | 40.567021 | -81.071670 |
| 1200 | 643606 | CENTER | 298 | 147 | 10/25/1984 | SHALE | 2 | DOMESTIC | 40.567021 | -81.071670 |
| 1201 | 599275 | CENTER | 181 | 120 | 5/27/1983 | SANDSTONE | | | 40.566193 | -81.071589 |
| 1202 | 671531 | CENTER | 238 | 140 | 4/4/1988 | SANDSTONE | 8 | | 40.565860 | -81.068640 |
| 1203 | 671535 | CENTER | 187 | 107 | 4/25/1988 | SHALE | | DOMESTIC | 40.564553 | -81.068712 |
| 1204 | 702373 | CENTER | 252 | 113 | 12/1/1989 | FILL MATERIAL | 2 | DOMESTIC | 40.564135 | -81.068279 |
| 1205 | 798482 | CENTER | 101 | 30 | 10/1/1994 | SHALE | 15 | DOMESTIC | 40.564861 | -81.066880 |
| 1206 | 1016785 | CENTER | 179 | 97 | 5/22/2013 | SANDSTONE | 8 | DOMESTIC | 40.563417 | -81.067500 |
| 1207 | 993266 | CENTER | 200 | 80 | 4/7/2006 | | 8 | DOMESTIC | 40.565430 | -81.069710 |
| 1208 | 982384 | CENTER | 160 | 59 | 1/16/2005 | SANDSTONE | 10 | DOMESTIC | 40.565150 | -81.069260 |
| 1209 | 965327 | CENTER | 208 | 98 | 2/17/2004 | SANDSTONE | 4 | DOMESTIC | 40.562170 | -81.065830 |
| 1210 | 706283 | CENTER | 144 | 95 | 8/19/1991 | GRAVEL | | DOMESTIC | 40.561997 | -81.064766 |
| 1211 | 2039049 | CENTER | 180 | 50 | 8/9/2012 | SANDSTONE | | DOMESTIC | 40.561667 | -81.065750 |
| 1212 | 671514 | CENTER | 165 | 95 | 11/10/1987 | SHALE | 2 | DOMESTIC | 40.561652 | -81.064448 |
| 1213 | 883343 | CENTER | 177 | 84 | 2/29/2000 | SANDSTONE | 3 | DOMESTIC | 40.561500 | -81.063166 |
| 1214 | 829484 | CENTER | 140 | | 5/30/1996 | COAL | 51 | | 40.579589 | -81.089752 |
| 1215 | 601507 | CENTER | 188 | 140 | 7/2/1981 | SHALE | 4 | DOMESTIC | 40.584553 | -81.103685 |
| 1216 | 679107 | CENTER | 254 | 102 | 8/8/1988 | SHALE | 5 | DOMESTIC | 40.581088 | -81.104647 |
| 1217 | 679106 | CENTER | 223 | 137 | 8/1/1988 | SHALE | 14 | DOMESTIC | 40.581953 | -81.106789 |
| 1218 | 757312 | CENTER | 239 | 132 | 8/16/1993 | SHALE | 18 | DOMESTIC | 40.581908 | -81.104375 |
| 1219 | 671528 | CENTER | 351 | 118 | 1/30/1988 | SHALE | 2 | DOMESTIC | 40.582784 | -81.104086 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|--------------|-----------------------|----------|--------------------|-------------------|
| 1220 | 635606 | CENTER | 125 | 50 | 4/29/1986 | SHALE | | | 40.565972 | -81.074764 |
| 1221 | 708593 | CENTER | 226 | 163 | 4/3/1990 | SANDSTONE | | DOMESTIC | 40.565351 | -81.075014 |
| 1222 | 1008242 | CENTER | 250 | 163 | 11/5/2008 | | | DOMESTIC | 40.565410 | -81.075240 |
| 1223 | 255391 | CENTER | 147 | 75 | | SANDSTONE | 20 | DOMESTIC | 40.601812 | -81.098651 |
| 1224 | 296858 | CENTER | 138 | 100 | 8/13/1963 | SANDSTONE | 8 | DOMESTIC | 40.601812 | -81.098651 |
| 1225 | 296868 | CENTER | 135 | 75 | | SANDSTONE | 20 | DOMESTIC | 40.572066 | -81.068027 |
| 1226 | 296879 | CENTER | 150 | 80 | 6/27/1964 | SANDSTONE | 12 | DOMESTIC | 40.601820 | -81.098655 |
| 1227 | 318422 | CENTER | 210 | 140 | 12/15/1964 | SHALE | | DOMESTIC | 40.601812 | -81.098651 |
| 1228 | 318437 | CENTER | 137 | 85 | 6/21/1965 | SANDSTONE | 15 | DOMESTIC | 40.601812 | -81.098651 |
| 1229 | 318449 | CENTER | 272 | 135 | | SANDSTONE | 52 | DOMESTIC | 40.601812 | -81.098651 |
| 1230 | 339923 | CENTER | 220 | 85 | 3/17/1966 | SANDSTONE | 60 | DOMESTIC | 40.601812 | -81.098651 |
| 1231 | 339942 | CENTER | 197 | 160 | 6/12/1966 | SANDSTONE | | DOMESTIC | 40.601812 | -81.098651 |
| 1232 | 353809 | CENTER | 208 | 170 | 7/22/1966 | SANDSTONE | 146 | DOMESTIC | 40.572066 | -81.068027 |
| 1233 | 353820 | CENTER | 212 | 140 | 11/17/1966 | SHALE | 5 | DOMESTIC | 40.601812 | -81.098651 |
| 1234 | 353827 | CENTER | 193 | 160 | | SANDSTONE | | DOMESTIC | 40.601124 | -81.097520 |
| 1235 | 427280 | CENTER | 200 | 140 | 7/5/1973 | SANDSTONE | 45 | DOMESTIC | 40.568958 | -81.069961 |
| 1236 | 466161 | CENTER | 185 | 75 | 12/4/1973 | SHALE | 25 | | 40.601812 | -81.098651 |
| 1237 | 491635 | CENTER | 220 | 165 | 9/15/1976 | SANDSTONE | 15 | DOMESTIC | 40.601812 | -81.098651 |
| 1238 | 495801 | CENTER | 195 | 140 | 6/14/1976 | SANDSTONE | 45 | DOMESTIC | 40.569464 | -81.068378 |
| 1239 | 527991 | CENTER | 178 | 100 | 7/16/1979 | SHALE | 16 | DOMESTIC | 40.601812 | -81.098651 |
| 1240 | 626197 | CENTER | 224 | 156 | 1/27/1986 | SANDSTONE | 10 | DOMESTIC | 40.574410 | -81.069090 |
| 1241 | 766955 | CENTER | 265 | 151 | 3/30/1993 | OLD WELL | | DOMESTIC | 40.573759 | -81.069047 |
| 1242 | 766980 | CENTER | 245 | 160 | 7/28/1993 | SANDSTONE | | DOMESTIC | 40.573392 | -81.069103 |
| 1243 | 520509 | CENTER | 225 | 140 | 6/14/1977 | SANDSTONE | | | 40.571408 | -81.069482 |
| 1244 | 481313 | CENTER | 180 | 70 | 12/18/1974 | SHALE | 10 | DOMESTIC | 40.571187 | -81.067882 |
| 1245 | 516389 | CENTER | 214 | 155 | 3/18/1978 | SANDSTONE | 10 | DOMESTIC | 40.570613 | -81.068025 |
| 1246 | 520510 | CENTER | 215 | 140 | 6/14/1977 | SANDSTONE | | | 40.570607 | -81.069532 |
| 1247 | 810088 | CENTER | 221 | 146 | 12/4/1995 | SHELL | 17 | DOMESTIC | 40.569454 | -81.070096 |
| 1248 | 909970 | CENTER | 221 | 148 | 12/8/2000 | CLEANOUT | | DOMESTIC | 40.569550 | -81.045780 |
| 1249 | 752309 | CENTER | 206 | 126 | 10/7/1992 | OLD WELL | | DOMESTIC | 40.568185 | -81.069426 |
| 1250 | 708597 | CENTER | 213 | 134 | 5/7/1990 | OLD WELL | | DOMESTIC | 40.568181 | -81.070286 |
| 1251 | 550280 | CENTER | 209 | 135 | 7/17/1980 | SHALE | 7 | DOMESTIC | 40.567232 | -81.069441 |
| 1252 | 766984 | CENTER | 216 | 134 | 8/11/1993 | OLD WELL | | DOMESTIC | 40.567265 | -81.070728 |
| 1253 | 613609 | CENTER | 265 | 140 | 7/26/1984 | SAND | 17 | DOMESTIC | 40.566489 | -81.070145 |
| 1254 | 213524 | EAST | 45 | 3 | 4/3/1959 | SAND | | DOMESTIC | 40.671231 | -80.974053 |
| 1255 | 49419 | EAST | 76 | 1 | 1/1/1951 | SANDSTONE | 18 | | 40.660306 | -80.966121 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|-------------|--------------------|-------------------|
| 1256 | 120570 | EAST | 105 | 47 | 1/17/1954 | SANDSTONE | 17 | DOMESTIC | 40.674431 | -80.977693 |
| 1257 | 120571 | EAST | 85 | 45 | 1/19/1954 | SANDSTONE | 7 | DOMESTIC | 40.666845 | -80.955171 |
| 1258 | 143567 | EAST | 116 | 60 | 5/7/1955 | SHALE | 20 | DOMESTIC | 40.669375 | -80.968666 |
| 1259 | 671884 | EAST | 166 | 105 | 4/10/1990 | SHALE | | | 40.644873 | -80.990895 |
| 1260 | 803445 | EAST | 108 | 68 | 10/27/1995 | SHALE | 1 | DOMESTIC | 40.644895 | -80.990851 |
| 1261 | 1009784 | EAST | 300 | 80 | 7/2/2010 | SANDSTONE & SHALE | | AGRIC/IRRIG | 40.644506 | -80.984192 |
| 1262 | 803436 | EAST | 269 | 135 | 9/11/1995 | SHALE | 1 | AGRIC/IRRIG | 40.644544 | -80.967130 |
| 1263 | 2088722 | EAST | 165 | 99 | 9/29/2021 | SANDSTONE | 9 | DOMESTIC | 40.676500 | -80.992167 |
| 1264 | 924867 | EAST | 195 | 40 | 7/14/2003 | SANDSTONE & SHALE | 6 | DOMESTIC | 40.683890 | -81.005530 |
| 1265 | 901801 | EAST | 148 | 40 | 12/10/1999 | SHALE | | DOMESTIC | 40.680870 | -80.993070 |
| 1266 | 829727 | EAST | 103 | 63 | 1/27/1996 | SHALE | 4 | DOMESTIC | 40.679243 | -80.986345 |
| 1267 | 803434 | EAST | 103 | 35 | 3/27/1995 | SHALE | 2 | DOMESTIC | 40.676810 | -80.983959 |
| 1268 | 761886 | EAST | 87 | 45 | 9/2/1990 | SHALE | 1 | DOMESTIC | 40.676588 | -80.981433 |
| 1269 | 913082 | EAST | 165 | 61 | 1/23/2001 | CLAY & SANDSTONE | 10 | DOMESTIC | 40.679870 | -80.990450 |
| 1270 | 642363 | EAST | 67 | 30 | 5/9/1986 | SANDSTONE | | | 40.676196 | -80.978269 |
| 1271 | 747193 | EAST | 65 | 20 | 9/7/1992 | SHALE | 6 | DOMESTIC | 40.675487 | -80.976980 |
| 1272 | 747178 | EAST | 165 | 105 | 3/6/1992 | SHALE | | DOMESTIC | 40.673405 | -80.974983 |
| 1273 | 803430 | EAST | 148 | 100 | 12/1/1994 | SHALE | 2 | DOMESTIC | 40.671272 | -80.974550 |
| 1274 | 676856 | EAST | 200 | | | SAND | | | 40.669084 | -80.968284 |
| 1275 | 679149 | EAST | 353 | 144 | 3/10/1989 | SANDSTONE | | DOMESTIC | 40.668927 | -80.967790 |
| 1276 | 891100 | EAST | 184 | 85 | 7/17/1999 | SANDSTONE | 108 | DOMESTIC | 40.670340 | -80.973400 |
| 1277 | 858501 | EAST | 89 | 29 | 7/22/1997 | SANDSTONE | 17 | DOMESTIC | 40.664764 | -80.957453 |
| 1278 | 527976 | EAST | 142 | 90 | 11/30/1978 | SHALE | | DOMESTIC | 40.668080 | -80.961548 |
| 1279 | 1008276 | EAST | 223 | 78 | 11/21/2007 | SANDSTONE & SHALE | | DOMESTIC | 40.665730 | -80.961900 |
| 1280 | 2050791 | EAST | 180 | 80 | 1/19/2015 | SANDSTONE & SHALE | 2 | DOMESTIC | 40.668600 | -80.955700 |
| 1281 | 527969 | EAST | 175 | 125 | 11/10/1978 | SHALE | | DOMESTIC | 40.668235 | -80.954244 |
| 1282 | 2011594 | EAST | 100 | 40 | 8/7/2007 | SANDSTONE | 2 | DOMESTIC | 40.665430 | -80.950020 |
| 1283 | 25337 | EAST | 207 | | 2/9/1953 | SANDSTONE | 12 | | 40.648641 | -80.964250 |
| 1284 | 92675 | EAST | 82 | 35 | | SHALE | 18 | | 40.658398 | -80.959928 |
| 1285 | 143761 | EAST | 122 | 85 | 5/5/1954 | SHALE | | DOMESTIC | 40.644865 | -80.964120 |
| 1286 | 143763 | EAST | 150 | 60 | 5/5/1954 | SAND | | DOMESTIC | 40.645025 | -80.966776 |
| 1287 | 321807 | EAST | 95 | 42 | 11/3/1964 | SILTSTONE | | DOMESTIC | 40.664663 | -80.964689 |
| 1288 | 372009 | EAST | 116 | 53.6 | 4/12/1968 | LIMESTONE | 8 | DOMESTIC | 40.674419 | -80.965474 |
| 1289 | 427267 | EAST | 124 | 20 | 9/18/1972 | SHALE | | | 40.675548 | -80.964729 |
| 1290 | 516353 | EAST | 125 | 50 | 4/9/1977 | SHALE | | DOMESTIC | 40.676394 | -80.965668 |
| 1291 | 516374 | EAST | 100 | 25 | 8/20/1977 | SHALE | 18 | DOMESTIC | 40.685500 | -80.964180 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|-----------------|--------------------|-------------------|
| 1292 | 516375 | EAST | 106 | 90 | 8/27/1977 | SHALE | | DOMESTIC | 40.673916 | -80.964314 |
| 1293 | 527961 | EAST | 96 | 30 | 8/26/1978 | SHALE | 12 | DOMESTIC | 40.660372 | -80.964735 |
| 1294 | 550267 | EAST | 102 | 45 | 2/28/1980 | SHALE | | | 40.668458 | -80.965426 |
| 1295 | 550272 | EAST | 102 | 50 | 5/14/1980 | SHALE | | DOMESTIC | 40.684688 | -80.962761 |
| 1296 | 891147 | EAST | 155 | 66 | 9/3/2000 | CLEANOUT | 66 | DOMESTIC | 40.644360 | -80.959930 |
| 1297 | 970910 | EAST | 205 | 98 | 7/28/2004 | SANDSTONE | 3 | DOMESTIC | 40.649720 | -80.967780 |
| 1298 | 984145 | EAST | 218 | 100 | 4/17/2005 | SANDSTONE & SHALE | 2 | DOMESTIC | 40.648569 | -80.965296 |
| 1299 | 955565 | EAST | 125 | 37 | 5/1/2004 | | | DOMESTIC | 40.648160 | -80.965360 |
| 1300 | 2049429 | EAST | 88 | 30 | 10/2/2014 | SANDSTONE | 2 | DOMESTIC | 40.658850 | -80.964920 |
| 1301 | 861084 | EAST | 115 | 50 | 9/7/1998 | SHALE | 2 | DOMESTIC | 40.660301 | -80.963508 |
| 1302 | 473192 | EAST | 92 | 52 | 8/16/1975 | SANDSTONE | 15 | DOMESTIC | 40.662791 | -80.964626 |
| 1303 | 516373 | EAST | 139 | 80 | 8/20/1977 | SHALE | | DOMESTIC | 40.664663 | -80.964689 |
| 1304 | 747220 | EAST | 101 | 60 | | SHALE | | | 40.668719 | -80.965392 |
| 1305 | 942192 | EAST | 250 | 94 | 10/20/2003 | SANDSTONE | | DOMESTIC | 40.684290 | -80.964910 |
| 1306 | 942193 | EAST | 250 | | 10/20/2003 | SHALE | 173 | DOMESTIC | 40.684290 | -80.964910 |
| 1307 | 2055513 | EAST | 340 | 200 | 12/23/2015 | SHALE | | DOMESTIC | 40.673508 | -80.964562 |
| 1308 | 612637 | EAST | 237 | 100 | 6/19/1984 | SHALE | 2 | DOMESTIC | 40.673747 | -80.965436 |
| 1309 | 839459 | EAST | 246 | 100 | 3/8/1997 | SHALE | 3 | PUBLIC/SEMI-PUB | 40.675970 | -80.964830 |
| 1310 | 939437 | EAST | 380 | 114 | 8/27/2002 | SHALE | 11 | DOMESTIC | 40.677000 | -80.965420 |
| 1311 | 3009140 | EAST | 380 | 157 | 7/12/2023 | SHALE | | DOMESTIC | 40.676060 | -80.965399 |
| 1312 | 708586 | EAST | 238 | 71 | 6/18/1990 | SHALE | | DOMESTIC | 40.676686 | -80.965495 |
| 1313 | 839439 | EAST | 248 | 71 | 9/5/1996 | SANDSTONE | | DOMESTIC | 40.676686 | -80.965495 |
| 1314 | 888108 | EAST | 242 | 132 | 7/19/1999 | SHALE | 3 | DOMESTIC | 40.686010 | -80.965260 |
| 1315 | 1014636 | EAST | 115 | 41 | 7/1/2011 | LIMESTONE | | DOMESTIC | 40.686867 | -80.968817 |
| 1316 | 1019117 | EAST | 210 | 99 | 4/12/2017 | SHALE | 4 | DOMESTIC | 40.648462 | -80.963336 |
| 1317 | 384836 | EAST | 92 | 55 | 8/12/1970 | SANDSTONE | | | 40.644458 | -80.991056 |
| 1318 | 747244 | EAST | 198 | 100 | 3/3/1993 | SANDSTONE | | DOMESTIC | 40.579589 | -81.089752 |
| 1319 | 173393 | EAST | 37 | | 1/26/1957 | SHALE | 34 | | 40.693249 | -80.984884 |
| 1320 | 427276 | EAST | 170 | 95 | 5/28/1973 | SHALE | | DOMESTIC | 40.645012 | -80.983956 |
| 1321 | 671862 | EAST | 88 | 35 | 9/24/1988 | SHALE | | DOMESTIC | 40.692080 | -80.984354 |
| 1322 | 601571 | EAST | 260 | 150 | 7/22/1981 | SANDSTONE | 20 | DOMESTIC | 40.648410 | -80.984038 |
| 1323 | 883340 | EAST | 160 | 11 | 4/14/2000 | SHALE | 3 | DOMESTIC | 40.660880 | -80.984080 |
| 1324 | 477462 | EAST | 175 | | 7/14/1975 | SHALE | 150 | DOMESTIC | 40.656425 | -80.986887 |
| 1325 | 671874 | EAST | 164 | 90 | 6/3/1989 | SHALE | | | 40.657420 | -80.984465 |
| 1326 | 803447 | EAST | 298 | 115 | 12/13/1995 | SHALE | | AGRIC/IRRIG | 40.657420 | -80.984465 |
| 1327 | 803448 | EAST | 391 | 140 | 3/14/1996 | SHALE | 2 | DOMESTIC | 40.657420 | -80.984465 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|---------------|-----------------------|-------------|--------------------|-------------------|
| 1328 | 931411 | EAST | 125 | 50 | 12/3/2001 | SANDSTONE | | AGRIC/IRRIG | 40.664373 | -80.978767 |
| 1329 | 923089 | EAST | 100 | 30 | 1/25/2001 | SHALE | 7 | DOMESTIC | 40.680608 | -80.985944 |
| 1330 | 913083 | EAST | 85 | 10 | 1/19/2001 | CLAY & SHALE | | DOMESTIC | 40.682180 | -80.989950 |
| 1331 | 993310 | EAST | 120 | 40 | 10/24/2006 | | 4 | DOMESTIC | 40.682200 | -80.986333 |
| 1332 | 2065925 | EAST | 260 | 160 | 11/20/2017 | SANDSTONE | 9 | DOMESTIC | 40.648390 | -80.986060 |
| 1333 | 601532 | EAST | 131 | 70 | 6/14/1982 | SHALE | 4 | DOMESTIC | 40.684052 | -80.985082 |
| 1334 | 861096 | EAST | 178 | 100 | 9/22/1999 | SHALE | 1 | DOMESTIC | 40.680040 | -80.984480 |
| 1335 | 901803 | EAST | 124 | 25 | 9/30/1999 | SHELL | | DOMESTIC | 40.680060 | -80.984120 |
| 1336 | 942253 | EAST | 100 | 30 | 2/23/2002 | CLAY & SHALE | 2 | AGRIC/IRRIG | 40.686650 | -80.982430 |
| 1337 | 1016805 | EAST | 115 | 30 | 9/12/2015 | LIMESTONE | | AGRIC/IRRIG | 40.686683 | -80.982483 |
| 1338 | 2056276 | EAST | 180 | 20 | 3/7/2016 | SHALE | 9 | DOMESTIC | 40.689420 | -80.984770 |
| 1339 | 803441 | EAST | 152 | 40 | 8/11/1995 | SHALE | | DOMESTIC | 40.690052 | -80.981558 |
| 1340 | 803443 | EAST | 154 | 40 | 12/4/1995 | SHALE | | DOMESTIC | 40.693606 | -80.984253 |
| 1341 | 160598 | EAST | 92 | 60 | 10/9/1956 | SHALE | 30 | | 40.670284 | -80.990277 |
| 1342 | 173367 | EAST | 69 | | 6/23/1956 | SHALE | 15 | DOMESTIC | 40.678832 | -80.959379 |
| 1343 | 289193 | EAST | 395 | 222 | 7/3/1964 | SHALE | | | 40.677826 | -80.962173 |
| 1344 | 427264 | EAST | 140 | 80 | 6/29/1972 | SHALE | | DOMESTIC | 40.673883 | -80.967936 |
| 1345 | 908269 | EAST | 340 | | 5/22/2000 | SANDSTONE | | DOMESTIC | 40.669710 | -80.988480 |
| 1346 | 752282 | EAST | 282 | 109 | 5/16/1992 | SHALE | 14 | DOMESTIC | 40.669028 | -80.977371 |
| 1347 | 757244 | EAST | 198 | 100 | 3/3/1993 | SHALE | | DOMESTIC | 40.675081 | -80.974103 |
| 1348 | 120569 | EAST | 38 | 16 | 1/16/1954 | SANDSTONE | 14 | DOMESTIC | 40.678884 | -80.975691 |
| 1349 | 516354 | EAST | 102 | 60 | 6/16/1977 | SANDSTONE | 18 | DOMESTIC | 40.677543 | -80.978584 |
| 1350 | 611552 | EAST | 100 | 60 | 7/21/1981 | SHALE | | | 40.676989 | -80.978224 |
| 1351 | 642389 | EAST | 115 | 40 | 7/31/1988 | SHALE | 3 | DOMESTIC | 40.677082 | -80.978844 |
| 1352 | 781583 | EAST | 206 | 76 | 11/1/1993 | SHALE | 5 | DOMESTIC | 40.679655 | -80.973298 |
| 1353 | 92672 | EAST | 62 | 15 | | SHALE | 42 | | 40.658531 | -80.965841 |
| 1354 | 92696 | EAST | 60 | 30 | 10/23/1953 | SHALE | | DOMESTIC | 40.657609 | -80.982373 |
| 1355 | 143560 | EAST | 96 | 50 | 11/13/1954 | SAND | 37 | DOMESTIC | 40.662694 | -80.951847 |
| 1356 | 491640 | EAST | 119 | 60 | 10/8/1976 | SHALE | | DOMESTIC | 40.658568 | -80.973543 |
| 1357 | 493748 | EAST | 220 | 95 | 4/4/1977 | SHALE | 1 | | 40.657600 | -80.980326 |
| 1358 | 781621 | EAST | 335 | 116 | 7/12/1994 | SHALE | | AGRIC/IRRIG | 40.657561 | -80.980229 |
| 1359 | 820030 | EAST | 246 | 109 | 7/11/1995 | FILL MATERIAL | | AGRIC/IRRIG | 40.657508 | -80.980857 |
| 1360 | 428563 | EAST | 215 | | 10/9/1971 | SANDSTONE | 8 | DOMESTIC | 40.668894 | -80.974927 |
| 1361 | 465248 | EAST | 180 | | 11/12/1973 | SANDSTONE | 65 | DOMESTIC | 40.668820 | -80.973944 |
| 1362 | 534175 | EAST | 138 | 80 | 8/22/1979 | SANDSTONE | 85 | DOMESTIC | 40.664428 | -80.974018 |
| 1363 | 613643 | EAST | 79 | 30 | 12/5/1987 | SHALE | 28 | DOMESTIC | 40.664085 | -80.980185 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|---------------|-----------------------|-------------|--------------------|-------------------|
| 1364 | 1021456 | EAST | 177 | 117 | 12/21/2022 | SANDSTONE | 25 | DOMESTIC | 40.668806 | -80.974764 |
| 1365 | 967501 | EAST | 200 | 107 | 7/29/2004 | LOAM | 1 | DOMESTIC | 40.646830 | -80.956260 |
| 1366 | 671869 | EAST | 80 | 35 | 11/17/1988 | SHALE | 3 | DOMESTIC | 40.650256 | -80.957673 |
| 1367 | 861086 | EAST | 104 | 55 | 8/13/1998 | SHALE | 2 | DOMESTIC | 40.646920 | -80.955550 |
| 1368 | 955610 | EAST | 200 | 98 | 4/15/2003 | OLD WELL | | DOMESTIC | 40.653000 | -80.950830 |
| 1369 | 944365 | EAST | 300 | 80 | 11/26/2002 | SANDSTONE | 3 | DOMESTIC | 40.647300 | -80.955520 |
| 1370 | 550252 | EAST | 102 | 50 | 8/29/1979 | SHALE | 23 | DOMESTIC | 40.654306 | -80.950681 |
| 1371 | 957262 | EAST | 207 | 90 | 2/27/2003 | SANDSTONE | 2 | DOMESTIC | 40.655480 | -80.951670 |
| 1372 | 901807 | EAST | 114 | 70 | 12/11/1999 | SHALE | 1 | DOMESTIC | 40.657456 | -80.950773 |
| 1373 | 3012565 | EAST | 130 | 50 | 1/3/2024 | SHALE | 2 | DOMESTIC | 40.657792 | -80.946852 |
| 1374 | 861092 | EAST | 135 | 85 | 10/31/1998 | SHALE | | DOMESTIC | 40.658432 | -80.951265 |
| 1375 | 957297 | EAST | 225 | 122 | 7/20/2004 | EXISTING WELL | | DOMESTIC | 40.658480 | -80.951450 |
| 1376 | 3009009 | EAST | 240 | 95 | 7/19/2023 | SANDSTONE | 6 | AGRIC/IRRIG | 40.658440 | -80.951875 |
| 1377 | 901805 | EAST | 178 | 130 | 12/2/1999 | SANDSTONE | 1 | DOMESTIC | 40.659357 | -80.951879 |
| 1378 | 898286 | EAST | 158 | 110 | 11/1/2000 | LIMESTONE | 5 | DOMESTIC | 40.660747 | -80.952616 |
| 1379 | 143753 | EAST | 77 | 45 | 5/5/1954 | SHALE | 35 | DOMESTIC | 40.654414 | -80.950520 |
| 1380 | 160577 | EAST | 67 | 27 | 5/2/1956 | SANDSTONE | 30 | DOMESTIC | 40.655663 | -80.950871 |
| 1381 | 339929 | EAST | 130 | 50 | 3/25/1966 | SANDSTONE | | DOMESTIC | 40.655208 | -80.951192 |
| 1382 | 432419 | EAST | 134 | 45 | 4/29/1972 | SHALE | | DOMESTIC | 40.656309 | -80.951406 |
| 1383 | 458316 | EAST | 95 | 65 | 1/3/1973 | SHALE | 17 | DOMESTIC | 40.700195 | -80.992039 |
| 1384 | 601271 | EAST | 70 | 20 | 6/24/1981 | SHALE | 30 | DOMESTIC | 40.697405 | -80.991730 |
| 1385 | 747184 | EAST | 84 | 30 | 6/3/1992 | SHALE | 14 | DOMESTIC | 40.696661 | -80.986672 |
| 1386 | 803458 | EAST | 126 | 85 | 8/28/1996 | SHALE | 8 | DOMESTIC | 40.694808 | -80.983617 |
| 1387 | 612608 | EAST | 263 | 129 | 7/13/1983 | SHALE | 3 | DOMESTIC | 40.685566 | -80.993516 |
| 1388 | 659067 | EAST | 281 | 160 | 2/21/1987 | SHALE | | DOMESTIC | 40.685566 | -80.993516 |
| 1389 | 49423 | FOX | 217 | 150 | 1/1/1950 | SAND | 41 | | 40.617648 | -80.954940 |
| 1390 | 50478 | FOX | 83 | | 1/1/1951 | SHALE | 19 | | 40.607430 | -80.953809 |
| 1391 | 49414 | FOX | 100 | 65 | 1/1/1950 | SHALE | 30 | | 40.616424 | -80.969494 |
| 1392 | 390921 | FOX | 198 | 84 | 10/6/1969 | CLAY & SHALE | 6 | DOMESTIC | 40.581920 | -80.975271 |
| 1393 | 390922 | FOX | 250 | 84 | 10/6/1969 | CLAY & SHALE | 201 | DOMESTIC | 40.581920 | -80.975271 |
| 1394 | 509496 | FOX | 90 | 55 | 7/3/1978 | SHALE | 38 | DOMESTIC | 40.581133 | -80.971758 |
| 1395 | 49406 | FOX | 180 | 60 | 1/1/1950 | SHALE | 40 | | 40.619990 | -80.947110 |
| 1396 | 49415 | FOX | 80 | 35 | 1/1/1949 | SHALE | 22 | | 40.616817 | -80.935539 |
| 1397 | 49422 | FOX | 193 | 140 | 1/1/1950 | SAND | 40 | | 40.616642 | -80.935394 |
| 1398 | 92693 | FOX | 45 | 10 | 10/16/1953 | SHALE | 21 | DOMESTIC | 40.616336 | -80.964118 |
| 1399 | 143757 | FOX | 195 | 100 | 5/5/1954 | SAND | 38 | DOMESTIC | 40.619436 | -80.944872 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|--------------|-----------------------|----------|--------------------|-------------------|
| 1400 | 160586 | FOX | 211 | 140 | | SAND | 20 | | 40.620083 | -80.948314 |
| 1401 | 206093 | FOX | 102 | 75 | | SHALE | 25 | DOMESTIC | 40.617449 | -80.975552 |
| 1402 | 223180 | FOX | 230 | 150 | | SAND | | DOMESTIC | 40.616634 | -80.941794 |
| 1403 | 255386 | FOX | 248 | 170 | | SANDSTONE | 38 | | 40.618643 | -80.950984 |
| 1404 | 255398 | FOX | 240 | 150 | | LIMESTONE | 36 | DOMESTIC | 40.618100 | -80.952800 |
| 1405 | 255399 | FOX | 236 | 150 | | SHALE | 38 | | 40.618910 | -80.952527 |
| 1406 | 273718 | FOX | 224 | 150 | | SANDSTONE | 42 | DOMESTIC | 40.617591 | -80.943052 |
| 1407 | 273727 | FOX | 240 | 150 | | SANDSTONE | 45 | | 40.618576 | -80.953472 |
| 1408 | 273730 | FOX | 40 | 18 | | SHALE | 27 | DOMESTIC | 40.616032 | -80.971508 |
| 1409 | 273745 | FOX | 248 | 180 | | SANDSTONE | 40 | | 40.618927 | -80.952906 |
| 1410 | 370062 | FOX | 200 | 140 | | SANDSTONE | | DOMESTIC | 40.618496 | -80.943300 |
| 1411 | 379783 | FOX | 210 | 110 | | SHALE | | DOMESTIC | 40.617413 | -80.957183 |
| 1412 | 379784 | FOX | 240 | 135 | | SANDSTONE | 30 | | 40.617572 | -80.953318 |
| 1413 | 396692 | FOX | 71 | 20 | 7/30/1971 | LIMESTONE | | DOMESTIC | 40.618782 | -80.952939 |
| 1414 | 396693 | FOX | 220 | 125 | 7/30/1971 | SHALE | 40 | DOMESTIC | 40.617808 | -80.954586 |
| 1415 | 400721 | FOX | 81 | 20 | 4/9/1970 | SAND | 30 | DOMESTIC | 40.616379 | -80.964322 |
| 1416 | 427272 | FOX | 108 | | 10/20/1972 | SHALE | | DOMESTIC | 40.616810 | -80.969379 |
| 1417 | 473171 | FOX | 224 | 150 | 4/18/1975 | SANDSTONE | 44 | | 40.618775 | -80.942756 |
| 1418 | 527990 | FOX | 228 | 155 | 6/23/1979 | SANDSTONE | | | 40.618623 | -80.937609 |
| 1419 | 573728 | FOX | 240 | 190 | 3/20/1981 | CLEANOUT | | DOMESTIC | 40.618134 | -80.952544 |
| 1420 | 578677 | FOX | 231 | 151 | 3/9/1982 | CLEANOUT | | DOMESTIC | 40.617868 | -80.952916 |
| 1421 | 985780 | FOX | 160 | 60 | 12/2/2004 | | 3 | DOMESTIC | 40.616970 | -80.972920 |
| 1422 | 481767 | FOX | 80 | | 2/5/1975 | SHALE | | DOMESTIC | 40.635286 | -80.942260 |
| 1423 | 3004214 | FOX | 97 | 31 | 10/25/2022 | SANDSTONE | 18 | DOMESTIC | 40.634100 | -80.961140 |
| 1424 | 143587 | FOX | 165 | 85 | 8/15/1955 | SAND | 45 | DOMESTIC | 40.624276 | -80.956704 |
| 1425 | 186933 | FOX | 98 | 40 | 5/14/1957 | SAND | | DOMESTIC | 40.630833 | -80.953565 |
| 1426 | 206092 | FOX | 82 | 21 | | SHALE | 47 | DOMESTIC | 40.641443 | -80.957249 |
| 1427 | 273702 | FOX | 60 | 30 | | SHALE | 30 | DOMESTIC | 40.631160 | -80.950698 |
| 1428 | 296867 | FOX | 180 | 140 | 10/22/1963 | SANDSTONE | 32 | DOMESTIC | 40.642440 | -80.936481 |
| 1429 | 379757 | FOX | 140 | 35 | | LIMESTONE | 45 | DOMESTIC | 40.584296 | -80.960809 |
| 1430 | 400713 | FOX | 240 | 150 | 2/17/1970 | SAND | 18 | DOMESTIC | 40.621344 | -80.953965 |
| 1431 | 411967 | FOX | 264 | 140 | 10/28/1970 | SHALE | | DOMESTIC | 40.621344 | -80.953965 |
| 1432 | 427279 | FOX | 104 | 50 | 7/12/1973 | SANDSTONE | 24 | DOMESTIC | 40.566179 | -80.965561 |
| 1433 | 427285 | FOX | 65 | 25 | 10/17/1973 | SHALE | 15 | DOMESTIC | 40.629361 | -80.954963 |
| 1434 | 443606 | FOX | 165 | 115 | 9/7/1972 | SAND | | DOMESTIC | 40.642064 | -80.937630 |
| 1435 | 477486 | FOX | 57 | 13 | 4/5/1976 | SHALE | 8 | DOMESTIC | 40.571223 | -80.968188 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|--------------|-----------------------|-------------|--------------------|-------------------|
| 1436 | 491602 | FOX | 67 | 18 | 10/11/1975 | SHALE | 38 | DOMESTIC | 40.636322 | -80.938282 |
| 1437 | 491631 | FOX | 72 | 22 | 7/16/1976 | FIRE CLAY | 10 | DOMESTIC | 40.634632 | -80.941642 |
| 1438 | 527985 | FOX | 73 | 10 | 6/8/1979 | SHALE | 9 | DOMESTIC | 40.634016 | -80.940865 |
| 1439 | 611567 | FOX | 80 | 39 | 8/19/1983 | SHALE | 8 | | 40.573408 | -80.963509 |
| 1440 | 671900 | FOX | 140 | 95 | 12/11/1990 | SHALE | | | 40.572659 | -80.963629 |
| 1441 | 891159 | FOX | 192 | 44.5 | 12/12/2000 | SHALE | | DOMESTIC | 40.574287 | -80.964176 |
| 1442 | 449847 | FOX | 110 | 65 | 5/4/1974 | SHALE | | DOMESTIC | 40.584230 | -80.961570 |
| 1443 | 747185 | FOX | 172 | 40 | 6/22/1992 | SHALE | | DOMESTIC | 40.577814 | -80.961918 |
| 1444 | 2060516 | FOX | 300 | 92 | 11/22/2016 | SHALE | | AGRIC/IRRIG | 40.566300 | -80.965783 |
| 1445 | 2060517 | FOX | 300 | 99 | 11/23/2016 | SHALE | | TEST WELL | 40.566300 | -80.965783 |
| 1446 | 2083760 | FOX | 170 | 39 | 12/12/2020 | SHALE | | DOMESTIC | 40.566267 | -80.965933 |
| 1447 | 615947 | FOX | 105 | 32 | 1/27/1987 | SHALE | 16 | DOMESTIC | 40.586020 | -80.961270 |
| 1448 | 578654 | FOX | 300 | 75 | 9/18/1981 | SANDSTONE | | DOMESTIC | 40.584888 | -80.959486 |
| 1449 | 650358 | FOX | 105 | 24 | 7/18/1987 | SHALE | 16 | DOMESTIC | 40.585685 | -80.960435 |
| 1450 | 822639 | FOX | 139 | 57 | 11/10/1995 | COAL | | DOMESTIC | 40.557923 | -80.971885 |
| 1451 | 671853 | FOX | 100 | 55 | 7/15/1988 | SHALE | | DOMESTIC | 40.587965 | -80.958718 |
| 1452 | 613619 | FOX | 243 | 210 | 9/18/1986 | SANDSTONE | 8 | DOMESTIC | 40.621778 | -80.952774 |
| 1453 | 790943 | FOX | 100 | 27 | 7/1/1994 | SANDSTONE | 4 | DOMESTIC | 40.629891 | -80.955119 |
| 1454 | 942260 | FOX | 96 | 23 | 8/23/2002 | SANDSTONE | 1 | DOMESTIC | 40.634530 | -80.940380 |
| 1455 | 1016806 | FOX | 157 | 31 | 9/28/2015 | SANDSTONE | | DOMESTIC | 40.635767 | -80.938717 |
| 1456 | 516357 | FOX | 95 | 35 | 5/7/1977 | SANDSTONE | 42 | DOMESTIC | 40.634616 | -80.940481 |
| 1457 | 795207 | FOX | 90 | 60 | 6/10/1994 | SANDSTONE | | DOMESTIC | 40.634899 | -80.937752 |
| 1458 | 1021449 | FOX | 105 | 22 | 6/6/2022 | SANDSTONE | | DOMESTIC | 40.636164 | -80.937147 |
| 1459 | 613617 | FOX | 83 | 30 | 6/9/1986 | SHALE | 5 | DOMESTIC | 40.636242 | -80.935380 |
| 1460 | 92694 | FOX | 60 | 30 | 10/17/1953 | SHALE | 29 | DOMESTIC | 40.634170 | -80.960719 |
| 1461 | 339901 | FOX | 50 | 30 | | SHALE | 28 | DOMESTIC | 40.633619 | -80.961025 |
| 1462 | 339902 | FOX | 35 | 12 | | SANDSTONE | | DOMESTIC | 40.639697 | -80.955795 |
| 1463 | 427251 | FOX | 60 | 6 | | SANDSTONE | 44 | DOMESTIC | 40.643797 | -80.957475 |
| 1464 | 427294 | FOX | 145 | 85 | 4/22/1974 | SHALE | | DOMESTIC | 40.643900 | -80.962361 |
| 1465 | 473175 | FOX | 100 | 65 | 5/16/1975 | SHALE | 10 | DOMESTIC | 40.636525 | -80.957634 |
| 1466 | 473198 | FOX | 84 | 50 | 9/6/1975 | SHALE | 10 | | 40.637126 | -80.957864 |
| 1467 | 613615 | FOX | 172 | 65 | 7/12/1985 | SHALE | | DOMESTIC | 40.642267 | -80.963132 |
| 1468 | 795229 | FOX | 315 | 100 | 1/20/1996 | SHALE | | DOMESTIC | 40.628153 | -80.959384 |
| 1469 | 696726 | FOX | 350 | 322 | 4/5/1989 | SHALE | 10 | DOMESTIC | 40.579589 | -81.089752 |
| 1470 | 143785 | FOX | 230 | 150 | 7/26/1954 | SAND | 28 | DOMESTIC | 40.598048 | -80.937018 |
| 1471 | 379768 | FOX | 80 | 50 | | SHALE | | DOMESTIC | 40.568779 | -80.971080 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|----------|--------------------|-------------------|
| 1472 | 379782 | FOX | 65 | 30 | | SHALE | | DOMESTIC | 40.576782 | -80.945342 |
| 1473 | 390932 | FOX | 92 | 60 | 9/8/1970 | SHALE | 4 | DOMESTIC | 40.577184 | -80.975550 |
| 1474 | 396685 | FOX | 80 | 45 | | SHALE | 28 | DOMESTIC | 40.574167 | -80.955190 |
| 1475 | 464182 | FOX | 105 | 75 | 6/13/1974 | SAND | 4 | | 40.576455 | -80.963382 |
| 1476 | 473152 | FOX | 35 | 20 | 6/20/1974 | SHALE | | DOMESTIC | 40.576455 | -80.963382 |
| 1477 | 499247 | FOX | 128 | 86 | 12/5/1977 | SHALE | 17 | | 40.579671 | -80.976518 |
| 1478 | 772470 | FOX | 109 | 60 | 1/25/1994 | SANDSTONE | | DOMESTIC | 40.581700 | -81.025402 |
| 1479 | 757239 | FOX | 108 | 55 | 11/9/1992 | SHALE | 3 | DOMESTIC | 40.581696 | -81.025354 |
| 1480 | 721439 | FOX | 121 | 40 | 2/18/1992 | SHALE | | DOMESTIC | 40.578963 | -80.983311 |
| 1481 | 803450 | FOX | 118 | 55 | 3/28/1997 | SHALE | 23 | DOMESTIC | 40.577604 | -80.976748 |
| 1482 | 643615 | FOX | 230 | 80 | 3/1/1985 | SANDSTONE | 2 | | 40.576814 | -80.970662 |
| 1483 | 641762 | FOX | 128 | 58 | 10/15/1983 | SHALE | | DOMESTIC | 40.578224 | -80.965960 |
| 1484 | 671530 | FOX | 243 | 94 | 5/4/1988 | SHALE | | DOMESTIC | 40.580389 | -80.966997 |
| 1485 | 2090214 | FOX | 200 | 60 | 12/9/2021 | SHALE | | DOMESTIC | 40.580456 | -80.967361 |
| 1486 | 509497 | FOX | 225 | 45 | 10/31/1978 | SHALE | 40 | DOMESTIC | 40.580711 | -80.966301 |
| 1487 | 602884 | FOX | 120 | 35 | 8/10/1988 | SHALE & SANDSTONE | 10 | DOMESTIC | 40.576945 | -80.945582 |
| 1488 | 747223 | FOX | 81 | 40 | 9/26/1994 | SHALE | 4 | DOMESTIC | 40.576973 | -80.943800 |
| 1489 | 747225 | FOX | 87 | 46 | 10/5/1994 | SHALE | 2 | DOMESTIC | 40.576614 | -80.943282 |
| 1490 | 747224 | FOX | 102 | 60 | 10/5/1994 | SHALE | 14 | DOMESTIC | 40.577015 | -80.942398 |
| 1491 | 948635 | FOX | 280 | 154 | 10/18/2002 | CLAY & SHALE | | DOMESTIC | 40.617460 | -80.952260 |
| 1492 | 143595 | FOX | 160 | 75 | 9/23/1955 | SHALE | | | 40.602922 | -80.955315 |
| 1493 | 255397 | FOX | 132 | 70 | 12/3/1961 | SHALE | 55 | | 40.607384 | -80.953235 |
| 1494 | 318419 | FOX | 182 | 60 | 11/28/1964 | SHALE | 137 | DOMESTIC | 40.607384 | -80.953235 |
| 1495 | 318446 | FOX | 90 | 40 | 9/8/1965 | SHALE | | | 40.581845 | -80.949261 |
| 1496 | 339911 | FOX | 75 | 35 | 10/4/1965 | SANDSTONE | | DOMESTIC | 40.583484 | -80.947366 |
| 1497 | 356152 | FOX | 63 | 35 | 9/23/1966 | SHALE | | DOMESTIC | 40.590514 | -80.949935 |
| 1498 | 379753 | FOX | 98 | 35 | 5/29/1968 | SHALE | | DOMESTIC | 40.604563 | -80.959940 |
| 1499 | 379786 | FOX | 100 | 50 | | SHALE | 40 | | 40.615528 | -80.951876 |
| 1500 | 473172 | FOX | 260 | 140 | 5/5/1975 | SANDSTONE | | DOMESTIC | 40.612932 | -80.952980 |
| 1501 | 491621 | FOX | 141 | 65 | 5/29/1976 | SHALE | | DOMESTIC | 40.604267 | -80.954563 |
| 1502 | 635622 | FOX | 101 | 48 | 6/24/1986 | SHALE | | DOMESTIC | 40.590514 | -80.949935 |
| 1503 | 757246 | FOX | 146 | 75 | 3/3/1993 | SANDSTONE | | DOMESTIC | 40.586071 | -80.948323 |
| 1504 | 598772 | FOX | 205 | 130 | 4/23/1982 | SANDSTONE | | DOMESTIC | 40.613229 | -80.953671 |
| 1505 | 626199 | FOX | 224 | 158 | 3/21/1986 | CLEANOUT | | DOMESTIC | 40.615863 | -80.951766 |
| 1506 | 795227 | FOX | 255 | 220 | 9/23/1995 | SANDSTONE | | DOMESTIC | 40.616869 | -80.952332 |
| 1507 | 573745 | FOX | 252 | 150 | 7/18/1981 | CLEANOUT | | DOMESTIC | 40.616878 | -80.951786 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|--------------|-----------------------|-------------|--------------------|-------------------|
| 1508 | 702367 | FOX | 242 | 150 | 10/31/1989 | LIMESTONE | | DOMESTIC | 40.618119 | -80.952264 |
| 1509 | 125969 | FOX | 120 | 60 | 10/9/1954 | SHALE | 55 | DOMESTIC | 40.575920 | -80.956703 |
| 1510 | 379790 | FOX | 156 | 75 | | SANDSTONE | | DOMESTIC | 40.574881 | -80.956472 |
| 1511 | 396673 | FOX | 188 | 120 | | SANDSTONE | | DOMESTIC | 40.576154 | -80.957183 |
| 1512 | 396681 | FOX | 219 | 85 | 5/13/1971 | LIMESTONE | | DOMESTIC | 40.575485 | -80.956003 |
| 1513 | 411982 | FOX | 62 | 20 | 4/19/1971 | SHALE | 3 | DOMESTIC | 40.577852 | -80.960332 |
| 1514 | 427254 | FOX | 142 | 90 | 4/25/1972 | SHALE | 98 | DOMESTIC | 40.570977 | -80.947641 |
| 1515 | 449835 | FOX | 140 | 100 | 11/17/1973 | SHALE | 22 | DOMESTIC | 40.576154 | -80.957183 |
| 1516 | 891123 | FOX | 321 | 109 | 12/4/1999 | SANDSTONE | 143 | DOMESTIC | 40.570842 | -80.946540 |
| 1517 | 803451 | FOX | 202 | 130 | 5/18/1996 | SANDSTONE | 1 | DOMESTIC | 40.573215 | -80.950936 |
| 1518 | 598778 | FOX | 87 | 45 | 9/24/1982 | SHALE | | DOMESTIC | 40.574896 | -80.954319 |
| 1519 | 811424 | FOX | 88 | 46 | 9/15/1999 | SHALE | 1 | DOMESTIC | 40.563480 | -80.946398 |
| 1520 | 2007768 | FOX | 250 | 131 | 1/12/2007 | SANDSTONE | 2 | AGRIC/IRRIG | 40.560472 | -80.945206 |
| 1521 | 693792 | FOX | 152 | 35 | 5/9/1989 | SANDSTONE | 8 | DOMESTIC | 40.573675 | -80.953293 |
| 1522 | 353828 | FOX | 84 | 40 | 5/5/1967 | SHALE | 46 | DOMESTIC | 40.606459 | -80.944434 |
| 1523 | 491620 | FOX | 186 | 135 | 5/24/1976 | SANDSTONE | | DOMESTIC | 40.617392 | -80.949496 |
| 1524 | 522448 | FOX | 227 | 145 | 7/12/1978 | SANDSTONE | | DOMESTIC | 40.617562 | -80.951111 |
| 1525 | 2060446 | FOX | 220 | 140 | 12/13/2016 | SANDSTONE | 10 | DOMESTIC | 40.605496 | -80.944822 |
| 1526 | 942266 | FOX | 201 | 125 | 8/7/2002 | SANDSTONE | 2 | DOMESTIC | 40.616070 | -80.946950 |
| 1527 | 795236 | FOX | 85 | 58 | 12/10/1996 | SANDSTONE | | DOMESTIC | 40.602335 | -80.940360 |
| 1528 | 642386 | FOX | 198 | 120 | 7/11/1988 | SHALE | 20 | | 40.606620 | -80.941207 |
| 1529 | 701252 | FOX | 250 | 115 | 11/10/1989 | SANDSTONE | | | 40.606620 | -80.941207 |
| 1530 | 1012853 | FOX | 305 | 142 | 5/5/2011 | SANDSTONE | | DOMESTIC | 40.604433 | -80.941900 |
| 1531 | 1002416 | FOX | 240 | 96 | 4/19/2006 | | 3 | DOMESTIC | 40.605377 | -80.946612 |
| 1532 | 598798 | FOX | 79 | 43 | 11/30/1983 | SHALE | 28 | | 40.632707 | -80.973804 |
| 1533 | 458318 | FOX | 60 | 35 | 11/17/1973 | SHALE | | DOMESTIC | 40.632112 | -80.975689 |
| 1534 | 747186 | FOX | 138 | 60 | 7/6/1992 | SHALE | | DOMESTIC | 40.578096 | -80.968448 |
| 1535 | 2041761 | FOX | 80 | 20 | 1/28/2013 | SHALE | 7 | DOMESTIC | 40.585280 | -80.972800 |
| 1536 | 752298 | FOX | 146 | 31 | 8/8/1992 | SHALE | 5 | DOMESTIC | 40.581247 | -80.972242 |
| 1537 | 764534 | FOX | 150 | 24 | 11/2/1993 | SHALE | 3 | DOMESTIC | 40.584798 | -80.974262 |
| 1538 | 2061200 | FOX | 340 | 150 | 2/10/2017 | SHALE | 7 | DOMESTIC | 40.584980 | -80.974310 |
| 1539 | 909975 | FOX | 168 | 40 | 3/19/2001 | SHALE | 14 | DOMESTIC | 40.586300 | -80.971530 |
| 1540 | 860201 | FOX | 200 | 80 | 9/5/1997 | SHALE | 3 | DOMESTIC | 40.588595 | -80.971485 |
| 1541 | 92695 | FOX | 172 | 70 | 10/21/1953 | SAND | 24 | DOMESTIC | 40.630904 | -80.967711 |
| 1542 | 143751 | FOX | 49 | | 5/5/1954 | SHALE | | DOMESTIC | 40.619661 | -80.970485 |
| 1543 | 160563 | FOX | 134 | 65 | 11/15/1955 | SHALE | 50 | | 40.630904 | -80.967711 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|-------------|--------------------|-------------------|
| 1544 | 206079 | FOX | 62 | 4 | 12/17/1957 | SHALE | 60 | DOMESTIC | 40.619320 | -80.971907 |
| 1545 | 957261 | FOX | 70 | 25 | 2/21/2003 | SHALE | 2 | AGRIC/IRRIG | 40.613970 | -80.972500 |
| 1546 | 598775 | FOX | 135 | 60 | 6/17/1982 | SHALE | | DOMESTIC | 40.615449 | -80.970149 |
| 1547 | 613625 | FOX | 90 | 20 | 11/25/1986 | SHALE | 38 | DOMESTIC | 40.617698 | -80.972420 |
| 1548 | 942271 | FOX | 325 | 29 | 10/15/2002 | SHALE | 2 | DOMESTIC | 40.617030 | -80.970430 |
| 1549 | 942272 | FOX | 325 | | 10/15/2002 | SHALE | 131 | DOMESTIC | 40.630710 | -80.965600 |
| 1550 | 1006440 | FOX | 175 | 10 | 10/28/2009 | SANDSTONE & SHALE | 3 | DOMESTIC | 40.630910 | -80.966160 |
| 1551 | 718761 | FOX | 189 | 60 | 8/29/1991 | SHALE | 6 | AGRIC/IRRIG | 40.629303 | -80.966574 |
| 1552 | 829649 | FOX | 200 | 81 | 4/6/1996 | SHALE | 3 | DOMESTIC | 40.627186 | -80.960926 |
| 1553 | 92682 | FOX | 48 | 20 | | SHALE | 27 | DOMESTIC | 40.607097 | -80.944218 |
| 1554 | 965334 | FOX | 239 | 80 | 5/5/2004 | SHALE | | DOMESTIC | 40.598500 | -80.938000 |
| 1555 | 273712 | FOX | 162 | 122 | 6/13/1942 | SHALE | | DOMESTIC | 40.627668 | -80.943178 |
| 1556 | 296863 | FOX | 188 | 150 | 9/13/1963 | SANDSTONE | 48 | DOMESTIC | 40.626763 | -80.950537 |
| 1557 | 390926 | FOX | 230 | 100 | 4/29/1970 | SHALE | | DOMESTIC | 40.622494 | -80.951148 |
| 1558 | 550255 | FOX | 77 | 35 | 9/17/1979 | SHALE | 22 | DOMESTIC | 40.632394 | -80.943226 |
| 1559 | 671892 | FOX | 208 | 148 | 6/18/1990 | SANDSTONE | 21 | DOMESTIC | 40.623080 | -80.951631 |
| 1560 | 803468 | FOX | 218 | 65 | 11/21/1997 | SANDSTONE | | DOMESTIC | 40.621550 | -80.951990 |
| 1561 | 3007292 | FOX | 250 | 74 | 6/24/2021 | SANDSTONE | | DOMESTIC | 40.626860 | -80.948450 |
| 1562 | 573750 | FOX | 239 | 173 | 8/27/1981 | SHALE | | DOMESTIC | 40.626763 | -80.950537 |
| 1563 | 931780 | FOX | 264 | 155 | 7/7/2001 | SANDSTONE | | DOMESTIC | 40.629440 | -80.946940 |
| 1564 | 534195 | FOX | 198 | 118 | 7/28/1980 | SANDSTONE | | DOMESTIC | 40.627668 | -80.943178 |
| 1565 | 805713 | FOX | 260 | 160 | 3/28/1995 | SANDSTONE | 3 | DOMESTIC | 40.630445 | -80.942088 |
| 1566 | 1011740 | FOX | 125 | | 9/19/2008 | SANDSTONE | 12 | DOMESTIC | 40.638170 | -80.947740 |
| 1567 | 598762 | FOX | 74 | 35 | 9/2/1981 | SHALE | 10 | DOMESTIC | 40.638231 | -80.949255 |
| 1568 | 891156 | FOX | 178 | 55 | 11/11/2000 | SHALE | 2 | DOMESTIC | 40.632137 | -80.943749 |
| 1569 | 2074437 | FOX | 220 | 126 | 7/2/2019 | SANDSTONE | | DOMESTIC | 40.637630 | -80.946470 |
| 1570 | 255367 | FOX | 404 | | | SHELL | 24 | | 40.598264 | -80.967277 |
| 1571 | 598761 | FOX | 75 | 5 | 8/20/1981 | SHALE | 26 | DOMESTIC | 40.597907 | -80.976099 |
| 1572 | 671519 | FOX | 330 | 111 | 11/25/1987 | SHALE | 2 | DOMESTIC | 40.594788 | -80.968076 |
| 1573 | 718771 | FOX | 161 | 20 | 12/6/1991 | SHALE | 2 | DOMESTIC | 40.598576 | -80.967730 |
| 1574 | 898278 | FOX | 94 | 67 | 10/1/1999 | SHALE | 14 | DOMESTIC | 40.598670 | -80.967500 |
| 1575 | 795235 | FOX | 193 | 140 | 11/20/1996 | SANDSTONE | | DOMESTIC | 40.602340 | -80.965677 |
| 1576 | 747218 | FOX | 265 | 50 | 7/18/1994 | SHALE | | DOMESTIC | 40.601859 | -80.945346 |
| 1577 | 877804 | FOX | 373 | 174 | 7/20/1998 | SANDSTONE | | DOMESTIC | 40.600540 | -80.950560 |
| 1578 | 1019675 | FOX | 430 | 184 | 12/4/2016 | OLD WELL | | DOMESTIC | 40.598440 | -80.943120 |
| 1579 | 803474 | FOX | 144 | 70 | 9/20/1997 | SHALE | 1 | DOMESTIC | 40.601120 | -80.949660 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|-----------------|--------------------|-------------------|
| 1580 | 829712 | FOX | 200 | 87 | 5/2/1997 | SHALE | 2 | DOMESTIC | 40.603474 | -80.944542 |
| 1581 | 611571 | FOX | 94 | | 1/21/1984 | SHALE | | | 40.633094 | -80.938300 |
| 1582 | 790961 | FOX | 75 | 4 | 8/23/1994 | SANDSTONE | 17 | DOMESTIC | 40.630208 | -80.938549 |
| 1583 | 2001848 | FOX | 185 | 94 | 2/16/2006 | SANDSTONE | | DOMESTIC | 40.631820 | -80.938360 |
| 1584 | 1012879 | FOX | 65 | 10 | 10/2/2012 | SANDSTONE | 21 | DOMESTIC | 40.632267 | -80.938483 |
| 1585 | 802792 | FOX | 200 | 62 | 4/27/1995 | SHALE | 3 | DOMESTIC | 40.596770 | -80.937014 |
| 1586 | 942275 | FOX | 164 | 60 | 9/12/2002 | SANDSTONE | | DOMESTIC | 40.614180 | -80.943270 |
| 1587 | 318423 | FOX | 130 | 75 | 12/30/1964 | SHALE | 12 | DOMESTIC | 40.568752 | -80.956062 |
| 1588 | 3015212 | FOX | 118 | 37 | 5/21/2024 | SHALE & SANDSTONE | | DOMESTIC | 40.571944 | -80.956389 |
| 1589 | 799648 | FOX | 94 | 50 | 12/4/1996 | SANDSTONE | | DOMESTIC | 40.575283 | -81.068795 |
| 1590 | 909961 | FOX | 209 | 108 | 8/14/2000 | SANDSTONE | | DOMESTIC | 40.614100 | -80.975130 |
| 1591 | 550284 | FOX | 187 | 100 | 8/18/1980 | SANDSTONE | 16 | | 40.614098 | -80.974772 |
| 1592 | 635607 | FOX | 181 | 73 | 5/3/1986 | LIMESTONE & SHALE | 8 | DOMESTIC | 40.614490 | -80.973918 |
| 1593 | 803464 | FOX | 87 | 20 | 11/7/1996 | SHALE | 16 | DOMESTIC | 40.616164 | -80.971253 |
| 1594 | 1012905 | FOX | | | 11/13/2013 | | | DOMESTIC | 40.615600 | -80.967333 |
| 1595 | 799278 | FOX | 239 | 109.5 | 8/3/1994 | SHALE & COAL | | DOMESTIC | 40.617147 | -80.968378 |
| 1596 | 1012928 | FOX | 385 | 65 | 9/2/2014 | SANDSTONE | | DOMESTIC | 40.615250 | -80.964333 |
| 1597 | 930573 | FOX | 237 | 125 | 11/27/2001 | SANDSTONE | 3 | DOMESTIC | 40.615810 | -80.959920 |
| 1598 | 708591 | FOX | 214 | 125 | 3/26/1990 | CLEANOUT | | DOMESTIC | 40.617276 | -80.955302 |
| 1599 | 716267 | FOX | | 92 | 5/30/1991 | CLEANOUT | | DOMESTIC | 40.617359 | -80.954939 |
| 1600 | 598777 | FOX | 230 | 140 | 9/20/1982 | SANDSTONE | 36 | DOMESTIC | 40.617104 | -80.954061 |
| 1601 | 671521 | FOX | 238 | 135 | 12/2/1987 | SANDSTONE | 195 | DOMESTIC | 40.617301 | -80.954162 |
| 1602 | 635647 | FOX | 231 | 156 | 11/12/1986 | OLD WELL | | | 40.618507 | -80.951645 |
| 1603 | 747182 | FOX | | 170 | 5/18/1992 | CLEANOUT | | DOMESTIC | 40.618800 | -80.951276 |
| 1604 | 642368 | FOX | 260 | | 9/20/1986 | SHALE | 15 | | 40.618931 | -80.950758 |
| 1605 | 766967 | FOX | 257 | 195 | 5/26/1993 | CLEANOUT | | DOMESTIC | 40.619137 | -80.950290 |
| 1606 | 803463 | FOX | 216 | 160 | 11/27/1996 | SANDSTONE | | DOMESTIC | 40.618372 | -80.947935 |
| 1607 | 839432 | FOX | 203 | 148 | 8/8/1996 | SANDSTONE | 195 | DOMESTIC | 40.619252 | -80.945409 |
| 1608 | 1014641 | FOX | 198 | 144 | 8/28/2011 | SANDSTONE | | DOMESTIC | 40.618467 | -80.945533 |
| 1609 | 875616 | FOX | 223 | 157.5 | 7/14/1998 | OLD WELL | | DOMESTIC | 40.616620 | -80.956690 |
| 1610 | 826263 | FOX | 420 | 135 | 4/3/1997 | SHALE | | PUBLIC/SEMI-PUB | 40.622730 | -80.938680 |
| 1611 | 3006903 | FOX | 430 | 137 | 3/13/2023 | EXISTING WELL | | PUBLIC/SEMI-PUB | 40.619167 | -80.938503 |
| 1612 | 411998 | FOX | 119 | 55 | 7/9/1971 | SHALE | | DOMESTIC | 40.588330 | -80.942469 |
| 1613 | 909973 | FOX | 240 | 46 | 12/30/2000 | SANDSTONE | | DOMESTIC | 40.588030 | -80.942920 |
| 1614 | 721449 | FOX | 230 | 140 | 5/2/1992 | SANDSTONE | | DOMESTIC | 40.585939 | -80.942675 |
| 1615 | 23008 | HARRISON | 122 | | 12/1/1948 | SHALE | | | 40.604707 | -81.097344 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|----------|--------------------|-------------------|
| 1616 | 52698 | HARRISON | 50 | | 12/16/1949 | ROCK | 24 | | 40.641934 | -81.109086 |
| 1617 | 89162 | HARRISON | 80 | 50 | 8/28/1949 | SHALE | 65 | | 40.616017 | -81.104598 |
| 1618 | 89187 | HARRISON | 95 | 50 | 6/26/1952 | SAND | | | 40.619554 | -81.145724 |
| 1619 | 213506 | HARRISON | 110 | 30 | 7/28/1958 | SAND | 20 | DOMESTIC | 40.614243 | -81.152449 |
| 1620 | 432408 | HARRISON | 44 | 15 | 1/27/1972 | SHALE | 4 | DOMESTIC | 40.628103 | -81.134679 |
| 1621 | 455440 | HARRISON | 77 | 55 | 9/4/1973 | SAND | 12 | DOMESTIC | 40.617670 | -81.131651 |
| 1622 | 213544 | HARRISON | 55 | 55 | 9/19/1959 | SHALE | 21 | DOMESTIC | 40.644026 | -81.092855 |
| 1623 | 213546 | HARRISON | 70 | 70 | 9/30/1959 | SHALE | | DOMESTIC | 40.646480 | -81.094930 |
| 1624 | 239969 | HARRISON | 88 | 30 | 7/29/1961 | SHALE | 55 | DOMESTIC | 40.643031 | -81.092196 |
| 1625 | 641781 | HARRISON | 50 | 20 | 10/13/1984 | SHALE | 30 | | 40.641181 | -81.090229 |
| 1626 | 455438 | HARRISON | 130 | 60 | 9/3/1973 | SHALE | 6 | DOMESTIC | 40.645309 | -81.098849 |
| 1627 | 641785 | HARRISON | 70 | 27 | 5/19/1986 | SHALE | | DOMESTIC | 40.646878 | -81.106100 |
| 1628 | 125973 | HARRISON | 58 | 20 | 4/2/1955 | SHALE | 20 | DOMESTIC | 40.636024 | -81.137919 |
| 1629 | 143581 | HARRISON | 104 | 50 | 8/15/1955 | SHALE | 30 | DOMESTIC | 40.613721 | -81.151882 |
| 1630 | 143780 | HARRISON | 95 | 75 | 6/26/1954 | SAND | | DOMESTIC | 40.626704 | -81.145438 |
| 1631 | 160116 | HARRISON | 40 | 8 | 7/9/1956 | SAND | | DOMESTIC | 40.642020 | -81.109631 |
| 1632 | 184976 | HARRISON | 65 | 50 | 9/24/1957 | SAND | 20 | DOMESTIC | 40.615223 | -81.151466 |
| 1633 | 186949 | HARRISON | 73 | 40 | 7/12/1957 | SHALE | 42 | DOMESTIC | 40.614776 | -81.150944 |
| 1634 | 206090 | HARRISON | 140 | 90 | 8/31/1958 | SANDSTONE | 42 | DOMESTIC | 40.629135 | -81.145919 |
| 1635 | 213503 | HARRISON | 52 | 20 | 7/12/1958 | SAND | | DOMESTIC | 40.636024 | -81.137919 |
| 1636 | 269312 | HARRISON | 71 | 27 | 10/15/1961 | SHALE | 20 | | 40.636207 | -81.134348 |
| 1637 | 269332 | HARRISON | 140 | 80 | 7/11/1962 | SANDSTONE | 16 | | 40.637050 | -81.140933 |
| 1638 | 325602 | HARRISON | 72 | 22 | 6/17/1966 | SAND | | DOMESTIC | 40.637721 | -81.126240 |
| 1639 | 370086 | HARRISON | 134 | 67 | 10/6/1979 | SAND | | | 40.639212 | -81.120355 |
| 1640 | 370087 | HARRISON | 128 | 62 | 10/6/1979 | SHALE & SANDSTONE | | | 40.639204 | -81.120351 |
| 1641 | 400734 | HARRISON | 73 | 25 | 6/22/1970 | SHALE | 4 | DOMESTIC | 40.614510 | -81.152295 |
| 1642 | 405218 | HARRISON | 104 | 42 | 9/24/1970 | SHALE | 2 | DOMESTIC | 40.635067 | -81.144307 |
| 1643 | 424382 | HARRISON | 176 | 81 | 10/2/1971 | SHALE | | DOMESTIC | 40.637050 | -81.140933 |
| 1644 | 424383 | HARRISON | 31 | 10 | 10/9/1971 | SANDSTONE | | DOMESTIC | 40.641884 | -81.111410 |
| 1645 | 432414 | HARRISON | 85 | 40 | 4/7/1972 | SHALE | 4 | DOMESTIC | 40.616907 | -81.148428 |
| 1646 | 455403 | HARRISON | 148 | 98 | 5/7/1973 | SANDSTONE | 4 | DOMESTIC | 40.624749 | -81.146227 |
| 1647 | 455419 | HARRISON | 111 | 60 | 7/5/1973 | SHALE | 4 | DOMESTIC | 40.635619 | -81.140930 |
| 1648 | 455425 | HARRISON | 105 | 70 | 7/27/1973 | SHALE | 4 | DOMESTIC | 40.621842 | -81.146642 |
| 1649 | 464166 | HARRISON | 96 | 55 | 3/31/1974 | SAND | | DOMESTIC | 40.614510 | -81.152295 |
| 1650 | 464208 | HARRISON | 110 | 84 | 10/29/1973 | SHALE | 2 | DOMESTIC | 40.638219 | -81.126651 |
| 1651 | 464225 | HARRISON | 178 | 148 | 4/5/1974 | SAND | | DOMESTIC | 40.617831 | -81.149412 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|--------------|-----------------------|-------------|--------------------|-------------------|
| 1652 | 464226 | HARRISON | 218 | 178 | 4/24/1974 | SANDSTONE | 4 | DOMESTIC | 40.646032 | -81.109614 |
| 1653 | 527986 | HARRISON | 135 | 45 | 6/8/1979 | SHALE | 48 | DOMESTIC | 40.623966 | -81.144657 |
| 1654 | 527988 | HARRISON | 81 | 35 | 7/14/1979 | SANDSTONE | | DOMESTIC | 40.639765 | -81.117766 |
| 1655 | 641751 | HARRISON | 197 | 62 | 5/2/1983 | SHALE | | DOMESTIC | 40.646326 | -81.107406 |
| 1656 | 930228 | HARRISON | 180 | 119 | 4/17/2002 | CLEANOUT | | DOMESTIC | 40.613460 | -81.152460 |
| 1657 | 860219 | HARRISON | 200 | 120 | 3/25/1998 | SANDSTONE | 2 | DOMESTIC | 40.614050 | -81.151830 |
| 1658 | 952400 | HARRISON | 225 | | 12/12/2002 | SHALE | 2 | DOMESTIC | 40.610140 | -81.151870 |
| 1659 | 721742 | HARRISON | 125 | | 5/28/1992 | SANDSTONE | | DOMESTIC | 40.608810 | -81.150949 |
| 1660 | 924878 | HARRISON | 95 | 43 | 4/3/2003 | SANDSTONE | 5 | DOMESTIC | 40.614500 | -81.151360 |
| 1661 | 860218 | HARRISON | 115 | 50 | 3/26/1998 | SHALE | 1 | DOMESTIC | 40.614790 | -81.151050 |
| 1662 | 599277 | HARRISON | 92 | 10 | 6/5/1984 | SANDSTONE | 6 | DOMESTIC | 40.615192 | -81.151569 |
| 1663 | 464172 | HARRISON | 145 | 50 | 5/6/1974 | SHALE | 4 | DOMESTIC | 40.615192 | -81.151569 |
| 1664 | 522372 | HARRISON | 177 | 92 | 7/16/1978 | SANDSTONE | 40 | DOMESTIC | 40.615422 | -81.150173 |
| 1665 | 1012492 | HARRISON | 203 | 118 | 4/17/2010 | SANDSTONE | | DOMESTIC | 40.615280 | -81.150020 |
| 1666 | 1016802 | HARRISON | 256 | 149 | 8/13/2015 | SHALE | | DOMESTIC | 40.618283 | -81.149600 |
| 1667 | 1016804 | HARRISON | 15.2 | 4 | 8/6/2015 | CLAY | | SEALED | 40.617950 | -81.149567 |
| 1668 | 766994 | HARRISON | 218 | 151 | 9/18/1993 | SANDSTONE | | DOMESTIC | 40.619149 | -81.149411 |
| 1669 | 799288 | HARRISON | 262 | 168 | 9/20/1994 | SANDSTONE | 2 | DOMESTIC | 40.620080 | -81.146812 |
| 1670 | 957251 | HARRISON | 267 | 185 | 11/16/2002 | SANDSTONE | 2 | DOMESTIC | 40.620880 | -81.146800 |
| 1671 | 924886 | HARRISON | 205 | 130 | 10/28/2002 | SANDSTONE | 6 | DOMESTIC | 40.622470 | -81.145850 |
| 1672 | 693781 | HARRISON | 108 | 20 | 1/2/1990 | SANDSTONE | 14 | DOMESTIC | 40.622567 | -81.145709 |
| 1673 | 708578 | HARRISON | 284 | 171 | 1/11/1990 | SANDSTONE | 12 | AGRIC/IRRIG | 40.623864 | -81.144742 |
| 1674 | 1014483 | HARRISON | 230 | 150 | 4/23/2012 | SANDSTONE | 6 | DOMESTIC | 40.623353 | -81.145885 |
| 1675 | 1019141 | HARRISON | 235 | 146 | 4/13/2019 | SANDSTONE | | DOMESTIC | 40.624411 | -81.145713 |
| 1676 | 877459 | HARRISON | 200 | 134 | 11/2/1998 | SHALE | 4 | DOMESTIC | 40.623960 | -81.145830 |
| 1677 | 877460 | HARRISON | 200 | 121 | 11/2/1998 | SHALE | 10 | DOMESTIC | 40.624200 | -81.145780 |
| 1678 | 802815 | HARRISON | 125 | 60 | 7/27/1995 | SANDSTONE | 1 | DOMESTIC | 40.628183 | -81.146277 |
| 1679 | 695842 | HARRISON | 223 | 126 | 7/18/1989 | SANDSTONE | 6 | DOMESTIC | 40.628138 | -81.146650 |
| 1680 | 877439 | HARRISON | 200 | 39 | 7/25/1998 | SANDSTONE | 6 | DOMESTIC | 40.626510 | -81.145670 |
| 1681 | 612636 | HARRISON | 138 | 84 | 6/9/1984 | COAL | | DOMESTIC | 40.628658 | -81.148138 |
| 1682 | 781613 | HARRISON | 161 | 100 | 5/20/1994 | SHALE | 4 | AGRIC/IRRIG | 40.628691 | -81.147994 |
| 1683 | 2069506 | HARRISON | 180 | 68 | 7/26/2018 | SHALE | | DOMESTIC | 40.631834 | -81.147975 |
| 1684 | 1008081 | HARRISON | 255 | 150 | 11/11/2013 | SANDSTONE | 5 | OTHER | 40.624842 | -81.145490 |
| 1685 | 598780 | HARRISON | 219 | 155 | 10/12/1982 | SAND | | DOMESTIC | 40.616907 | -81.148428 |
| 1686 | 802810 | HARRISON | 200 | 128 | 7/3/1995 | SANDSTONE | 9 | DOMESTIC | 40.633275 | -81.146918 |
| 1687 | 952387 | HARRISON | 225 | | 7/31/2003 | SANDSTONE | 9 | DOMESTIC | 40.633060 | -81.147220 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|-------------|--------------------|-------------------|
| 1688 | 844753 | HARRISON | 148 | 81 | 10/6/1996 | SHALE | 9 | DOMESTIC | 40.633616 | -81.145458 |
| 1689 | 464248 | HARRISON | 98 | 66 | 10/21/1975 | SANDSTONE | 4 | | 40.633613 | -81.146603 |
| 1690 | 578659 | HARRISON | 104 | 62 | 10/6/1981 | OLD WELL | | DOMESTIC | 40.635067 | -81.144307 |
| 1691 | 671512 | HARRISON | 159 | 108 | 10/31/1987 | SHELL | | DOMESTIC | 40.635308 | -81.144341 |
| 1692 | 671511 | HARRISON | 148 | 105 | 10/31/1987 | SHALE | | DOMESTIC | 40.635679 | -81.144813 |
| 1693 | 716273 | HARRISON | 226 | 154 | 7/8/1991 | CLEANOUT | | DOMESTIC | 40.636574 | -81.144297 |
| 1694 | 799305 | HARRISON | 176 | 115 | 1/25/1995 | SHALE | | AGRIC/IRRIG | 40.636568 | -81.144315 |
| 1695 | 799306 | HARRISON | 207 | 150 | 1/25/1995 | SANDSTONE | 6 | DOMESTIC | 40.636568 | -81.144315 |
| 1696 | 522375 | HARRISON | 122 | 70 | 7/23/1978 | SAND | 1 | DOMESTIC | 40.635897 | -81.143578 |
| 1697 | 659089 | HARRISON | 178 | 118 | 7/27/1987 | SHALE | | DOMESTIC | 40.635897 | -81.143578 |
| 1698 | 891142 | HARRISON | 219 | 149 | 7/15/2000 | SANDSTONE | 178 | DOMESTIC | 40.637570 | -81.127210 |
| 1699 | 613635 | HARRISON | 180 | 135 | 8/20/1987 | SHALE | 17 | DOMESTIC | 40.635431 | -81.141775 |
| 1700 | 909962 | HARRISON | 217 | 160 | 8/23/2000 | SANDSTONE | | DOMESTIC | 40.635580 | -81.141670 |
| 1701 | 803440 | HARRISON | 178 | 130 | 8/30/1995 | SHALE | 7 | DOMESTIC | 40.636462 | -81.138545 |
| 1702 | 578685 | HARRISON | 225 | 144 | 4/29/1982 | SHALE | | DOMESTIC | 40.637050 | -81.140933 |
| 1703 | 716299 | HARRISON | 162 | 122 | 10/24/1991 | SHALE | | DOMESTIC | 40.636434 | -81.140194 |
| 1704 | 781619 | HARRISON | 187 | 127 | 7/3/1994 | CLEANOUT | | DOMESTIC | 40.632463 | -81.138473 |
| 1705 | 522382 | HARRISON | 185 | 127 | 8/28/1978 | SAND | 15 | DOMESTIC | 40.634204 | -81.138143 |
| 1706 | 781585 | HARRISON | 141 | 73 | 11/8/1993 | SHALE | | AGRIC/IRRIG | 40.634500 | -81.137894 |
| 1707 | 875649 | HARRISON | 175 | 75 | 12/10/1998 | CLAY & SHALE | | AGRIC/IRRIG | 40.638270 | -81.124800 |
| 1708 | 965328 | HARRISON | 247 | 145 | 2/28/2004 | SHALE | 174 | AGRIC/IRRIG | 40.638270 | -81.124800 |
| 1709 | 370100 | HARRISON | 151 | 97 | 3/16/1980 | SHALE & SANDSTONE | 1 | DOMESTIC | 40.636207 | -81.134348 |
| 1710 | 476230 | HARRISON | 100 | 40 | 7/4/1975 | SHALE | | DOMESTIC | 40.636207 | -81.134348 |
| 1711 | 877340 | HARRISON | 225 | 100 | 7/2/1998 | SHALE | 6 | DOMESTIC | 40.639770 | -81.119740 |
| 1712 | 934578 | HARRISON | 200 | 18 | 11/30/2001 | SHALE | 19 | AGRIC/IRRIG | 40.639790 | -81.119640 |
| 1713 | 861087 | HARRISON | 174 | 120 | 8/21/1998 | SHALE | 9 | DOMESTIC | 40.639830 | -81.119430 |
| 1714 | 829710 | HARRISON | 200 | 69 | 3/22/1997 | SANDSTONE | 3 | DOMESTIC | 40.638593 | -81.125682 |
| 1715 | 2029300 | HARRISON | 100 | 32 | 9/16/2010 | SANDSTONE | 16 | DOMESTIC | 40.639467 | -81.125817 |
| 1716 | 2032139 | HARRISON | 65 | 38 | 4/29/2011 | SANDSTONE | 12 | DOMESTIC | 40.638850 | -81.125083 |
| 1717 | 844372 | HARRISON | 93 | 26 | 8/8/1997 | SANDSTONE | 9 | DOMESTIC | 40.639252 | -81.123693 |
| 1718 | 2053226 | HARRISON | 279 | 153 | 7/27/2015 | COAL | | MONITOR | 40.637472 | -81.119333 |
| 1719 | 2053227 | HARRISON | 119 | 92 | 7/27/2015 | SANDSTONE | | MONITOR | 40.637444 | -81.119306 |
| 1720 | 2053228 | HARRISON | 219 | 140 | 7/28/2015 | SANDSTONE & SHALE | | MONITOR | 40.637472 | -81.119250 |
| 1721 | 370085 | HARRISON | 103 | 39 | 9/26/1979 | SAND | 20 | DOMESTIC | 40.639416 | -81.119505 |
| 1722 | 716293 | HARRISON | 103 | 43 | 9/14/1991 | SHALE | | DOMESTIC | 40.639758 | -81.118530 |
| 1723 | 530785 | HARRISON | 100 | 40 | 8/19/1978 | SANDSTONE | | | 40.639803 | -81.116794 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|-----------------|--------------------|-------------------|
| 1724 | 598760 | HARRISON | 143 | | 7/28/1981 | SHALE | 131 | DOMESTIC | 40.641600 | -81.114426 |
| 1725 | 766990 | HARRISON | 59 | 4 | 9/10/1993 | SANDSTONE | 44 | DOMESTIC | 40.642964 | -81.112278 |
| 1726 | 679103 | HARRISON | 69 | 7 | 7/11/1988 | SHALE | 52 | DOMESTIC | 40.642017 | -81.111094 |
| 1727 | 641753 | HARRISON | 178 | 104 | 5/27/1983 | SHALE | | DOMESTIC | 40.643281 | -81.106531 |
| 1728 | 638406 | HARRISON | 200 | 122 | 6/27/1983 | SHALE | | DOMESTIC | 40.644768 | -81.107050 |
| 1729 | 213547 | HARRISON | 69 | 20 | 10/15/1959 | SHALE | 16 | DOMESTIC | 40.610826 | -81.134011 |
| 1730 | 289163 | HARRISON | 164 | 110 | 7/22/1967 | SANDSTONE | | | 40.607346 | -81.131430 |
| 1731 | 296874 | HARRISON | 195 | 145 | 12/2/1963 | SHALE | 18 | DOMESTIC | 40.616194 | -81.140289 |
| 1732 | 328239 | HARRISON | 72 | 40 | 6/6/1966 | SANDSTONE | 21 | DOMESTIC | 40.601951 | -81.122451 |
| 1733 | 372038 | HARRISON | 90 | 41 | 8/17/1968 | SAND | | DOMESTIC | 40.610710 | -81.134150 |
| 1734 | 432449 | HARRISON | 46 | 24 | 8/22/1972 | SANDSTONE | 4 | DOMESTIC | 40.601042 | -81.120690 |
| 1735 | 443612 | HARRISON | 72 | 30 | | SHALE & SANDSTONE | | DOMESTIC | 40.601042 | -81.120690 |
| 1736 | 443613 | HARRISON | 52 | 20 | 9/21/1972 | SHALE | 32 | DOMESTIC | 40.600786 | -81.119984 |
| 1737 | 458334 | HARRISON | 65 | 10 | 6/19/1974 | SHALE | 15 | | 40.605908 | -81.128774 |
| 1738 | 464222 | HARRISON | 81 | 30 | 3/12/1974 | SHALE | 10 | DOMESTIC | 40.606138 | -81.129449 |
| 1739 | 568401 | HARRISON | 225 | 160 | 6/20/1980 | SHALE | 3 | DOMESTIC | 40.605482 | -81.128233 |
| 1740 | 708580 | HARRISON | 133 | 85 | 1/22/1990 | SHALE | 16 | DOMESTIC | 40.595915 | -81.095983 |
| 1741 | 1006077 | HARRISON | 57 | 39 | 11/9/2007 | SANDSTONE | 5 | DOMESTIC | 40.597091 | -81.113184 |
| 1742 | 875611 | HARRISON | 162 | 63 | 6/24/1998 | SHALE | 6 | DOMESTIC | 40.601900 | -81.121280 |
| 1743 | 601506 | HARRISON | 78 | 25 | 6/15/1981 | SHALE | 20 | DOMESTIC | 40.601692 | -81.121388 |
| 1744 | 844772 | HARRISON | 143 | 90 | 1/22/1998 | SANDSTONE | 24 | DOMESTIC | 40.602110 | -81.121740 |
| 1745 | 875602 | HARRISON | 163 | 90 | 4/15/1998 | SHALE | | DOMESTIC | 40.602380 | -81.122340 |
| 1746 | 965325 | HARRISON | 210 | 136 | 2/2/2004 | LIMESTONE | 5 | DOMESTIC | 40.603000 | -81.126670 |
| 1747 | 963551 | HARRISON | 80 | 41 | 9/15/2006 | SANDSTONE | 5 | DOMESTIC | 40.602890 | -81.124070 |
| 1748 | 693800 | HARRISON | 223 | 138 | 5/9/1990 | SANDSTONE | 6 | DOMESTIC | 40.605804 | -81.128574 |
| 1749 | 650378 | HARRISON | 232 | 128 | 1/27/1988 | SANDSTONE | 11 | | 40.606566 | -81.131345 |
| 1750 | 712616 | HARRISON | 272 | 122 | 9/21/1990 | SHALE | 6 | PUBLIC/SEMI-PUB | 40.604380 | -81.144960 |
| 1751 | 712617 | HARRISON | 260 | 125 | 9/21/1990 | SHALE | | PUBLIC/SEMI-PUB | 40.606409 | -81.131062 |
| 1752 | 712618 | HARRISON | 275 | | 9/21/1990 | SANDSTONE | 7 | PUBLIC/SEMI-PUB | 40.606409 | -81.131062 |
| 1753 | 750777 | HARRISON | 225 | 105 | 1/15/1993 | COAL | 17 | PUBLIC/SEMI-PUB | 40.606409 | -81.131062 |
| 1754 | 825435 | HARRISON | 180 | 112 | 5/15/1996 | SHALE | 1 | DOMESTIC | 40.606409 | -81.131062 |
| 1755 | 687960 | HARRISON | 55 | 32 | 12/23/1988 | SHALE | 6 | DOMESTIC | 40.610282 | -81.131983 |
| 1756 | 687851 | HARRISON | 70 | 30 | 8/30/1988 | SHALE | | DOMESTIC | 40.609857 | -81.132598 |
| 1757 | 1007091 | HARRISON | 165 | 73 | 10/22/2008 | SANDSTONE | 1 | DOMESTIC | 40.610950 | -81.137017 |
| 1758 | 2073052 | HARRISON | 240 | 150 | 4/18/2019 | SANDSTONE | 5 | DOMESTIC | 40.611000 | -81.133987 |
| 1759 | 1014647 | HARRISON | 198 | 137 | 11/8/2011 | | | DOMESTIC | 40.616300 | -81.140433 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|-----------------|--------------------|-------------------|
| 1760 | 2074563 | HARRISON | 286 | 180 | 7/9/2019 | SANDSTONE | 8 | DOMESTIC | 40.618833 | -81.140333 |
| 1761 | 989219 | HARRISON | 330 | 221 | 10/31/2005 | SANDSTONE | 4 | DOMESTIC | 40.620300 | -81.146110 |
| 1762 | 802753 | HARRISON | 200 | 84 | 10/26/1994 | SANDSTONE | 6 | DOMESTIC | 40.620604 | -81.145899 |
| 1763 | 940735 | HARRISON | 300 | 195 | 8/2/2002 | EXISTING WELL | | DOMESTIC | 40.620690 | -81.145960 |
| 1764 | 866803 | HARRISON | 247 | 50 | 11/7/1998 | SHALE | | DOMESTIC | 40.620670 | -81.146330 |
| 1765 | 781599 | HARRISON | 284 | 180 | 1/21/1994 | SANDSTONE | | DOMESTIC | 40.621085 | -81.145944 |
| 1766 | 599261 | HARRISON | 75 | 25 | 4/23/1982 | SANDSTONE | 3 | DOMESTIC | 40.647042 | -81.144406 |
| 1767 | 1006067 | HARRISON | 90 | 28 | 7/10/2007 | SANDSTONE | 26 | DOMESTIC | 40.646533 | -81.143583 |
| 1768 | 370090 | HARRISON | 75 | 5 | 10/25/1979 | SHALE | 6 | DOMESTIC | 40.643959 | -81.146638 |
| 1769 | 877502 | HARRISON | 100 | 26 | 5/15/1999 | SHALE | | DOMESTIC | 40.643680 | -81.150090 |
| 1770 | 125952 | HARRISON | 54 | 20 | 5/22/1954 | SHALE | 40 | DOMESTIC | 40.638053 | -81.152897 |
| 1771 | 335295 | HARRISON | 65 | 23 | 3/21/1966 | SANDSTONE | 5 | | 40.642137 | -81.151110 |
| 1772 | 976708 | HARRISON | 218 | 150 | 8/11/2004 | SHALE | | DOMESTIC | 40.633490 | -81.147720 |
| 1773 | 942159 | HARRISON | 180 | 122 | 7/10/2002 | SHALE | | DOMESTIC | 40.634170 | -81.154440 |
| 1774 | 904437 | HARRISON | 145 | 81 | 7/19/2000 | SANDSTONE | | DOMESTIC | 40.633950 | -81.149790 |
| 1775 | 942251 | HARRISON | 156 | 108 | 2/16/2002 | SANDSTONE | 1 | DOMESTIC | 40.634480 | -81.150970 |
| 1776 | 671529 | HARRISON | 298 | 184 | 2/20/1988 | SHALE | 14 | DOMESTIC | 40.636719 | -81.149778 |
| 1777 | 3008628 | HARRISON | 98 | 50 | 6/28/2023 | SANDSTONE | 7 | DOMESTIC | 40.636640 | -81.149860 |
| 1778 | 934595 | HARRISON | 56 | 20 | 10/28/2003 | SAND | 8 | DOMESTIC | 40.637666 | -81.139166 |
| 1779 | 2086426 | HARRISON | 200 | 70 | 6/3/2021 | SANDSTONE & SHALE | 59 | DOMESTIC | 40.644341 | -81.151207 |
| 1780 | 2065596 | HARRISON | 198 | 152 | 11/15/2017 | SANDSTONE | 1 | DOMESTIC | 40.640667 | -81.154333 |
| 1781 | 400719 | HARRISON | 65 | 15 | 3/30/1970 | SHALE | 40 | DOMESTIC | 40.592080 | -81.116607 |
| 1782 | 411958 | HARRISON | 50 | 12 | 9/14/1970 | SAND | 35 | DOMESTIC | 40.591682 | -81.118362 |
| 1783 | 772466 | HARRISON | 45 | 8 | 12/1/1993 | SANDSTONE | 20 | DOMESTIC | 40.575969 | -81.121266 |
| 1784 | 829654 | HARRISON | 60 | 12 | 6/10/1996 | ROCK | 30 | DOMESTIC | 40.583571 | -81.121978 |
| 1785 | 965313 | HARRISON | 64 | 16 | 10/22/2003 | SANDSTONE | 39 | DOMESTIC | 40.583500 | -81.131666 |
| 1786 | 987614 | HARRISON | 75 | 27 | 9/13/2005 | | 8 | DOMESTIC | 40.584830 | -81.121000 |
| 1787 | 2045499 | HARRISON | 150 | | 11/5/2013 | SHALE & SANDSTONE | 5 | HEATING/COOLING | 40.582850 | -81.116840 |
| 1788 | 883334 | HARRISON | 190 | 85 | 8/15/2000 | SANDSTONE | 4 | DOMESTIC | 40.590500 | -81.115830 |
| 1789 | 1015648 | HARRISON | 55 | 5 | 1/15/2016 | SHALE | 40 | AGRIC/IRRIG | 40.592022 | -81.117922 |
| 1790 | 813056 | HARRISON | 102 | 80 | 11/6/1995 | SANDSTONE | | DOMESTIC | 40.596472 | -81.118147 |
| 1791 | 930219 | HARRISON | 119 | 22 | 11/16/2001 | SHALE | | DOMESTIC | 40.596380 | -81.115290 |
| 1792 | 89156 | HARRISON | 66 | 30 | 6/23/1949 | SHALE | | | 40.616367 | -81.104590 |
| 1793 | 92678 | HARRISON | 124 | 75 | | SAND | | | 40.608240 | -81.096120 |
| 1794 | 95393 | HARRISON | 202 | 5 | 6/18/1956 | LIMESTONE | 68 | COMMERCIAL | 40.634320 | -81.112333 |
| 1795 | 103421 | HARRISON | 137 | 25 | 8/6/1953 | SHALE | 75 | DOMESTIC | 40.618067 | -81.103239 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|--------------|-----------------------|----------|--------------------|-------------------|
| 1796 | 125976 | HARRISON | 92 | 50 | 5/1/1955 | SHALE | 12 | DOMESTIC | 40.606548 | -81.096059 |
| 1797 | 143558 | HARRISON | 129 | 85 | 11/13/1954 | SHALE | | | 40.612839 | -81.099541 |
| 1798 | 143565 | HARRISON | 92 | 50 | 5/4/1955 | SHALE | 40 | DOMESTIC | 40.619718 | -81.103301 |
| 1799 | 160120 | HARRISON | 48 | 28 | 7/28/1956 | SHALE | | DOMESTIC | 40.609436 | -81.097733 |
| 1800 | 160571 | HARRISON | 46 | 12 | 1/30/1956 | GRAVEL | | DOMESTIC | 40.639444 | -81.115701 |
| 1801 | 184984 | HARRISON | 114 | 40 | 11/28/1957 | SHALE | | DOMESTIC | 40.618067 | -81.103239 |
| 1802 | 202488 | HARRISON | 32 | | 5/22/1958 | SHALE | 20 | | 40.641983 | -81.115659 |
| 1803 | 206072 | HARRISON | 136 | 84 | 10/31/1957 | SHALE | | DOMESTIC | 40.613285 | -81.100433 |
| 1804 | 223153 | HARRISON | 160 | 35 | | SANDSTONE | 84 | DOMESTIC | 40.608801 | -81.096927 |
| 1805 | 223158 | HARRISON | 230 | 150 | 10/8/1958 | SHALE | | DOMESTIC | 40.611515 | -81.099424 |
| 1806 | 225911 | HARRISON | 202 | 152 | 11/24/1958 | COAL | 3 | DOMESTIC | 40.618296 | -81.103909 |
| 1807 | 255355 | HARRISON | 158 | 50 | | SHALE | | DOMESTIC | 40.623285 | -81.097365 |
| 1808 | 289174 | HARRISON | 49 | | 11/13/1963 | SANDSTONE | 46 | DOMESTIC | 40.640708 | -81.114121 |
| 1809 | 318432 | HARRISON | 187 | 150 | 5/6/1965 | SANDSTONE | | DOMESTIC | 40.618164 | -81.103113 |
| 1810 | 356163 | HARRISON | 59 | | 2/23/1967 | SAND | | DOMESTIC | 40.641714 | -81.115686 |
| 1811 | 372802 | HARRISON | 110 | 45 | 10/25/1967 | SANDSTONE | 7 | DOMESTIC | 40.637274 | -81.113707 |
| 1812 | 372845 | HARRISON | 74 | 30 | 7/3/1968 | SHALE | 2 | DOMESTIC | 40.637274 | -81.113707 |
| 1813 | 387871 | HARRISON | 125 | 140 | 4/14/1969 | CORED | | | 40.618164 | -81.103113 |
| 1814 | 387892 | HARRISON | 180 | 29 | 8/12/1969 | SAND | | DOMESTIC | 40.611571 | -81.101505 |
| 1815 | 387900 | HARRISON | 233 | 158 | 9/19/1969 | SAND | | | 40.611195 | -81.100995 |
| 1816 | 432403 | HARRISON | 220 | 160 | 12/3/1971 | SHALE | | DOMESTIC | 40.613285 | -81.100433 |
| 1817 | 432443 | HARRISON | 210 | 94 | 8/8/1972 | SHALE | 5 | DOMESTIC | 40.625118 | -81.106097 |
| 1818 | 443616 | HARRISON | 225 | 125 | 10/6/1972 | SHALE | | DOMESTIC | 40.623592 | -81.104381 |
| 1819 | 464199 | HARRISON | 210 | 145 | 9/10/1974 | SHALE | | DOMESTIC | 40.611571 | -81.101505 |
| 1820 | 464213 | HARRISON | 150 | 110 | 1/7/1974 | SHALE | | DOMESTIC | 40.623047 | -81.104166 |
| 1821 | 464238 | HARRISON | 210 | 115 | 8/5/1974 | SANDSTONE | | DOMESTIC | 40.612455 | -81.099157 |
| 1822 | 464249 | HARRISON | 223 | 163 | 10/29/1974 | SANDSTONE | 5 | | 40.610987 | -81.100126 |
| 1823 | 507577 | HARRISON | 90 | 35 | 8/29/1978 | SANDSTONE | 7 | DOMESTIC | 40.635423 | -81.116367 |
| 1824 | 573716 | HARRISON | 113 | 70 | 11/25/1980 | SHALE | 4 | DOMESTIC | 40.634555 | -81.115997 |
| 1825 | 609587 | HARRISON | 193 | 126 | 4/4/1985 | SHALE | 25 | DOMESTIC | 40.603954 | -81.096068 |
| 1826 | 615935 | HARRISON | 96 | 35 | 1/31/1986 | ROCK | 24 | DOMESTIC | 40.616620 | -81.101981 |
| 1827 | 799312 | HARRISON | 245 | 159 | 4/1/1995 | SHALE | 194 | | 40.604310 | -81.095598 |
| 1828 | 987619 | HARRISON | 248 | 171 | 11/3/2005 | | 4 | DOMESTIC | 40.604670 | -81.096830 |
| 1829 | 659081 | HARRISON | 238 | 172 | 6/30/1987 | SHALE | | DOMESTIC | 40.604445 | -81.095799 |
| 1830 | 708579 | HARRISON | 254 | 132 | 1/11/1990 | SHALE | 12 | DOMESTIC | 40.609368 | -81.097412 |
| 1831 | 1019124 | HARRISON | 167 | 134 | 11/28/2017 | UNKNOWN | | DOMESTIC | 40.609536 | -81.097755 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|-------------|--------------------|-------------------|
| 1832 | 534179 | HARRISON | 198 | 148 | 11/8/1979 | COAL | 5 | DOMESTIC | 40.609810 | -81.098695 |
| 1833 | 716253 | HARRISON | 217 | 154 | 12/6/1990 | OLD WELL | | | 40.610906 | -81.099122 |
| 1834 | 671540 | HARRISON | 229 | 166 | 5/23/1988 | SHALE | | | 40.611235 | -81.100342 |
| 1835 | 932893 | HARRISON | 175 | 50 | 6/10/2002 | SHALE | 5 | DOMESTIC | 40.611130 | -81.099300 |
| 1836 | 1014657 | HARRISON | 326 | 122 | 5/25/2012 | SANDSTONE | | DOMESTIC | 40.612017 | -81.101350 |
| 1837 | 568504 | HARRISON | 234 | 130 | 7/5/1988 | SHALE | 7 | | 40.614446 | -81.102711 |
| 1838 | 613650 | HARRISON | 234 | 130 | 7/5/1988 | SHALE | 7 | | 40.614443 | -81.102699 |
| 1839 | 803437 | HARRISON | 285 | 160 | 5/23/1995 | SHALE | 16 | DOMESTIC | 40.615148 | -81.102539 |
| 1840 | 641786 | HARRISON | 187 | 140 | 3/24/1987 | SANDSTONE | 2 | DOMESTIC | 40.617608 | -81.104096 |
| 1841 | 716286 | HARRISON | 208 | 159 | 8/24/1991 | SHALE | | DOMESTIC | 40.618461 | -81.102879 |
| 1842 | 1008085 | HARRISON | 250 | 13.3 | 9/28/2022 | SANDSTONE | 7 | DOMESTIC | 40.615827 | -81.104337 |
| 1843 | 2067192 | HARRISON | 300 | 147 | 3/12/2018 | SHALE | | DOMESTIC | 40.620850 | -81.103910 |
| 1844 | 2056083 | HARRISON | 268 | 132 | 1/17/2016 | SHALE | | DOMESTIC | 40.617333 | -81.102667 |
| 1845 | 635643 | HARRISON | 209 | 123 | 9/27/1986 | SHALE | 3 | DOMESTIC | 40.619445 | -81.102990 |
| 1846 | 1008252 | HARRISON | 143 | 47 | 7/10/2009 | LIMESTONE | | DOMESTIC | 40.623330 | -81.104720 |
| 1847 | 924853 | HARRISON | 330 | 116 | 5/29/2001 | SHALE | 4 | DOMESTIC | 40.625100 | -81.105260 |
| 1848 | 500311 | HARRISON | 217 | 140 | 9/22/1976 | SHALE | | DOMESTIC | 40.616620 | -81.101981 |
| 1849 | 612615 | HARRISON | 185 | 124 | 8/28/1983 | OLD WELL | | DOMESTIC | 40.616620 | -81.101981 |
| 1850 | 839456 | HARRISON | 195 | 113 | 12/17/1996 | SHALE | | AGRIC/IRRIG | 40.623451 | -81.097755 |
| 1851 | 514527 | HARRISON | 210 | 120 | 9/13/1977 | LIMESTONE | | DOMESTIC | 40.623047 | -81.104166 |
| 1852 | 578678 | HARRISON | 225 | 125 | 10/6/1972 | SHALE | | DOMESTIC | 40.623592 | -81.104381 |
| 1853 | 659068 | HARRISON | 210 | 100 | 3/21/1987 | OLD WELL | | DOMESTIC | 40.625118 | -81.106097 |
| 1854 | 1015644 | HARRISON | 85 | 49 | 4/25/2016 | SANDSTONE | 1 | AGRIC/IRRIG | 40.627550 | -81.097810 |
| 1855 | 858913 | HARRISON | 100 | 24 | 8/28/1997 | SANDSTONE | 20 | DOMESTIC | 40.630140 | -81.108604 |
| 1856 | 902189 | HARRISON | 200 | 38 | 10/7/1999 | SANDSTONE | | DOMESTIC | 40.627220 | -81.106720 |
| 1857 | 1008225 | HARRISON | 195 | 99 | 6/7/2008 | LIMESTONE & SHALE | | DOMESTIC | 40.627000 | -81.106333 |
| 1858 | 659097 | HARRISON | 83 | 18 | 9/1/1987 | SANDSTONE | 24 | DOMESTIC | 40.634476 | -81.113425 |
| 1859 | 894263 | HARRISON | 200 | 40 | 9/9/1999 | SANDSTONE | 8 | DOMESTIC | 40.639260 | -81.115230 |
| 1860 | 819119 | HARRISON | 140 | 10 | 10/17/1995 | SHALE | 18 | DOMESTIC | 40.634978 | -81.112601 |
| 1861 | 599268 | HARRISON | 82 | 30 | 9/2/1982 | SHALE | 25 | DOMESTIC | 40.635423 | -81.116367 |
| 1862 | 493712 | HARRISON | 81 | 29 | 6/24/1976 | SANDSTONE | 27 | | 40.640089 | -81.115979 |
| 1863 | 799299 | HARRISON | 103 | 58.5 | 11/22/1994 | SHALE | 10 | DOMESTIC | 40.638520 | -81.115786 |
| 1864 | 1016777 | HARRISON | 100 | 33 | 12/19/2012 | SANDSTONE | 4 | DOMESTIC | 40.639800 | -81.115917 |
| 1865 | 465922 | HARRISON | 63 | | 11/27/1973 | GRAVEL | | DOMESTIC | 40.641600 | -81.114426 |
| 1866 | 891144 | HARRISON | 107 | 5 | 8/11/2000 | COAL | 85 | DOMESTIC | 40.641109 | -81.117480 |
| 1867 | 635617 | HARRISON | 53 | 18 | 6/14/1986 | OLD WELL | | DOMESTIC | 40.642631 | -81.118046 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|----------------------|-----------------------|-----------------|--------------------|-------------------|
| 1868 | 1021447 | HARRISON | 284 | 34 | 10/10/2022 | SANDSTONE | | PUBLIC/SEMI-PUB | 40.646567 | -81.119700 |
| 1869 | 803461 | HARRISON | 229 | 165 | 10/1/1996 | SHALE | 5 | DOMESTIC | 40.612305 | -81.097910 |
| 1870 | 882631 | HARRISON | 110 | 60 | 6/29/1999 | SANDSTONE | | DOMESTIC | 40.618002 | -80.998623 |
| 1871 | 671864 | HARRISON | 312 | 100 | 10/8/1988 | SHALE | | | 40.577706 | -81.134093 |
| 1872 | 930235 | HARRISON | 223 | 74 | 6/24/2002 | SANDSTONE/SHALE/LIME | 2 | DOMESTIC | 40.576170 | -81.137220 |
| 1873 | 1014482 | HARRISON | 155 | 40 | 6/14/2012 | SANDSTONE | 4 | DOMESTIC | 40.576933 | -81.132833 |
| 1874 | 752785 | HARRISON | 218 | 130 | 8/26/1992 | SHALE | | DOMESTIC | 40.574198 | -81.134919 |
| 1875 | 387864 | HARRISON | 174 | 135 | 2/1/1969 | SHALE | | DOMESTIC | 40.591880 | -81.132774 |
| 1876 | 424395 | HARRISON | 159 | 132 | 11/5/1971 | SHALE | | DOMESTIC | 40.591880 | -81.132774 |
| 1877 | 692836 | HARRISON | 180 | 83 | 7/26/1990 | SHALE | 10 | DOMESTIC | 40.585974 | -81.120792 |
| 1878 | 799303 | HARRISON | 43 | 23.5 | 1/9/1995 | SANDSTONE | 14 | DOMESTIC | 40.588582 | -81.121085 |
| 1879 | 522423 | HARRISON | 128 | 76 | 10/10/1977 | SHALE | | DOMESTIC | 40.589542 | -81.129102 |
| 1880 | 955611 | HARRISON | 145 | 43 | 5/15/2003 | SHALE | 8 | DOMESTIC | 40.585330 | -81.124000 |
| 1881 | 747638 | HARRISON | 98 | 40 | 8/20/1993 | SANDSTONE | 4 | DOMESTIC | 40.587589 | -81.124391 |
| 1882 | 1006085 | HARRISON | 170 | 74 | 10/20/2007 | SANDSTONE & SHALE | 16 | DOMESTIC | 40.587867 | -81.125500 |
| 1883 | 830424 | HARRISON | 280 | 65 | 7/8/1996 | SHALE | | DOMESTIC | 40.589230 | -81.125134 |
| 1884 | 803462 | HARRISON | 91 | 50 | 10/7/1996 | SANDSTONE | 2 | DOMESTIC | 40.588828 | -81.127615 |
| 1885 | 679131 | HARRISON | 290 | 158 | 10/24/1988 | SHALE | | | 40.591698 | -81.133003 |
| 1886 | 891104 | HARRISON | 250 | 168 | 8/14/1999 | SHALE | 176 | DOMESTIC | 40.592410 | -81.132990 |
| 1887 | 930221 | HARRISON | 255 | 170.5 | 12/6/2001 | SANDSTONE | 1 | AGRIC/IRRIG | 40.592410 | -81.132990 |
| 1888 | 125991 | HARRISON | 58 | 30 | 7/13/1955 | SAND | | DOMESTIC | 40.604735 | -81.105283 |
| 1889 | 394365 | HARRISON | 78 | 40 | 3/24/1970 | SAND | 17 | DOMESTIC | 40.601046 | -81.110823 |
| 1890 | 455443 | HARRISON | 118 | 75 | 9/11/1973 | SHALE | 4 | DOMESTIC | 40.604453 | -81.100522 |
| 1891 | 932496 | HARRISON | 121 | 45 | 4/10/2002 | SHALE | 22 | DOMESTIC | 40.609440 | -81.091670 |
| 1892 | 952371 | HARRISON | 150 | | 3/14/2003 | LOAM | 1 | DOMESTIC | 40.605190 | -81.102990 |
| 1893 | 2070529 | HARRISON | 150 | 53 | 10/15/2018 | SHALE | | DOMESTIC | 40.605717 | -81.092431 |
| 1894 | 751137 | HARRISON | 115 | 25 | 6/15/1993 | SHELL | 27 | DOMESTIC | 40.603970 | -81.089527 |
| 1895 | 608849 | HARRISON | 479 | 145 | 7/20/1984 | SANDSTONE | | | 40.605770 | -81.095254 |
| 1896 | 464207 | HARRISON | 198 | 115 | 10/22/1973 | SANDSTONE | 3 | DOMESTIC | 40.607193 | -81.094609 |
| 1897 | 522390 | HARRISON | 320 | 175 | 9/28/1978 | SHALE | 6 | DOMESTIC | 40.607193 | -81.094609 |
| 1898 | 751141 | HARRISON | 120 | 75 | 9/28/1993 | SHELL | 3 | DOMESTIC | 40.608837 | -81.086437 |
| 1899 | 987594 | HARRISON | 220 | 166 | 4/18/2005 | | | DOMESTIC | 40.602600 | -81.109010 |
| 1900 | 766952 | HARRISON | 81 | 42 | 2/8/1993 | CLEANOUT | | DOMESTIC | 40.605537 | -81.102707 |
| 1901 | 642355 | HARRISON | 61 | 20 | 7/28/1985 | SHALE | | DOMESTIC | 40.599127 | -81.111284 |
| 1902 | 125951 | HARRISON | 89 | 20 | 5/22/1954 | SAND | 30 | DOMESTIC | 40.605636 | -81.149708 |
| 1903 | 143554 | HARRISON | 53 | 20 | 10/16/1954 | SHALE | 48 | DOMESTIC | 40.602921 | -81.147065 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|-------------|--------------------|-------------------|
| 1904 | 514541 | HARRISON | 150 | 95 | 12/18/1977 | SHALE | 20 | | 40.603963 | -81.141503 |
| 1905 | 955644 | HARRISON | 180 | 99 | 10/25/2003 | | | DOMESTIC | 40.604180 | -81.141990 |
| 1906 | 781605 | HARRISON | 106 | 47 | 6/24/1994 | SANDSTONE | | DOMESTIC | 40.606292 | -81.150590 |
| 1907 | 522366 | HARRISON | 121 | 30 | 6/13/1978 | SAND | 6 | DOMESTIC | 40.608820 | -81.145383 |
| 1908 | 601519 | HARRISON | 95 | 65 | 10/13/1991 | SANDSTONE | 4 | DOMESTIC | 40.609081 | -81.146575 |
| 1909 | 554771 | HARRISON | 237 | 161 | 8/25/1984 | SHALE | | DOMESTIC | 40.615835 | -81.143338 |
| 1910 | 477493 | HARRISON | 114 | 62 | 5/4/1976 | SHALE | 8 | DOMESTIC | 40.615835 | -81.143338 |
| 1911 | 89196 | HARRISON | 106 | 60 | 9/9/1952 | SHALE | 18 | | 40.593154 | -81.126294 |
| 1912 | 184995 | HARRISON | 48 | 20 | 6/7/1958 | SHALE | 40 | DOMESTIC | 40.598404 | -81.125800 |
| 1913 | 213531 | HARRISON | 38 | 7 | 5/23/1959 | SHALE | 30 | DOMESTIC | 40.604410 | -81.130109 |
| 1914 | 370065 | HARRISON | 210 | 130 | 6/4/1979 | SHALE | 4 | DOMESTIC | 40.586656 | -81.131232 |
| 1915 | 509492 | HARRISON | 212 | 170 | 7/17/1978 | SHALE | 40 | DOMESTIC | 40.602080 | -81.129080 |
| 1916 | 514523 | HARRISON | 225 | 145 | 8/9/1977 | SHALE | 3 | DOMESTIC | 40.602695 | -81.128905 |
| 1917 | 643601 | HARRISON | 310 | 182 | 10/8/1984 | SHALE | 3 | DOMESTIC | 40.579888 | -81.131462 |
| 1918 | 930237 | HARRISON | 283 | 98 | 7/6/2002 | SHALE & LIMESTONE | 1 | DOMESTIC | 40.588520 | -81.130500 |
| 1919 | 802768 | HARRISON | 200 | 55 | 12/17/1994 | SHALE | 6 | DOMESTIC | 40.583114 | -81.131453 |
| 1920 | 1019869 | HARRISON | 255 | 130 | 10/28/2018 | SANDSTONE | 4 | DOMESTIC | 40.579261 | -81.131410 |
| 1921 | 894281 | HARRISON | 305 | 135 | 8/2/2000 | SANDSTONE | 1 | DOMESTIC | 40.580910 | -81.130910 |
| 1922 | 902190 | HARRISON | 250 | 71 | 10/11/1999 | SHALE | 2 | DOMESTIC | 40.579790 | -81.130560 |
| 1923 | 1012496 | HARRISON | 199 | 119 | 3/13/2010 | SHALE | | DOMESTIC | 40.588960 | -81.129960 |
| 1924 | 716252 | HARRISON | 144 | 56 | 11/30/1990 | SILTSTONE | 20 | DOMESTIC | 40.596945 | -81.125325 |
| 1925 | 716338 | HARRISON | 396 | 115 | 1/20/1992 | SHALE | 12 | DOMESTIC | 40.599284 | -81.129158 |
| 1926 | 1021453 | HARRISON | 315 | 141 | 10/20/2022 | SANDSTONE | 6 | DOMESTIC | 40.599536 | -81.129511 |
| 1927 | 829664 | HARRISON | 275 | 176 | 7/25/1996 | SANDSTONE | 5 | DOMESTIC | 40.595311 | -81.128506 |
| 1928 | 601540 | HARRISON | 264 | | 9/28/1982 | SANDSTONE | 8 | | 40.601314 | -81.128966 |
| 1929 | 601537 | HARRISON | 226 | 74 | 8/16/1982 | SANDSTONE | 15 | DOMESTIC | 40.603265 | -81.129088 |
| 1930 | 770058 | HARRISON | 235 | 162 | 9/1/1993 | SHALE & SANDSTONE | 17 | DOMESTIC | 40.603507 | -81.130072 |
| 1931 | 601767 | HARRISON | 142 | 175 | 6/16/1984 | LIMESTONE | | DOMESTIC | 40.603967 | -81.129045 |
| 1932 | 874628 | HARRISON | 261 | 150 | 4/2/1998 | SANDSTONE | 17 | DOMESTIC | 40.601790 | -81.129460 |
| 1933 | 894063 | HARRISON | 129 | 30 | 6/22/1999 | SANDSTONE | 15 | DOMESTIC | 40.601790 | -81.129460 |
| 1934 | 942186 | HARRISON | 248 | 180 | 7/17/2003 | CLEANOUT | 224 | DOMESTIC | 40.623060 | -81.146940 |
| 1935 | 643609 | HARRISON | 250 | | 11/16/1984 | OLD WELL | | DOMESTIC | 40.621025 | -81.144296 |
| 1936 | 184978 | HARRISON | 65 | 20 | 10/2/1957 | SHALE | 12 | DOMESTIC | 40.607741 | -81.124710 |
| 1937 | 474180 | HARRISON | 95 | 30 | 5/23/1975 | SHALE | 28 | DOMESTIC | 40.608047 | -81.126077 |
| 1938 | 922460 | HARRISON | 200 | 137 | 4/11/2001 | LOAM | 5 | DOMESTIC | 40.604506 | -81.125889 |
| 1939 | 829716 | HARRISON | 250 | 138 | 5/23/1997 | SHALE | 2 | AGRIC/IRRIG | 40.609853 | -81.124384 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|-------------|--------------------|-------------------|
| 1940 | 522396 | HARRISON | 224 | 165 | 11/5/1978 | SAND | 2 | DOMESTIC | 40.605958 | -81.126633 |
| 1941 | 671889 | HARRISON | 220 | 155 | 5/12/1990 | SANDSTONE | | DOMESTIC | 40.605915 | -81.126048 |
| 1942 | 764543 | HARRISON | 225 | 121 | 12/9/1993 | SANDSTONE | 9 | DOMESTIC | 40.606954 | -81.124222 |
| 1943 | 764531 | HARRISON | 225 | 148 | 10/2/1993 | SANDSTONE | 8 | DOMESTIC | 40.607388 | -81.124589 |
| 1944 | 716301 | HARRISON | 246 | 139 | 6/26/1990 | CORED | | DOMESTIC | 40.607940 | -81.126120 |
| 1945 | 857679 | HARRISON | 87 | 17 | 12/31/1998 | SHELL | 19 | DOMESTIC | 40.609930 | -81.124370 |
| 1946 | 932499 | HARRISON | 235 | 146 | 9/15/2001 | SANDSTONE | | DOMESTIC | 40.610040 | -81.124710 |
| 1947 | 952399 | HARRISON | 200 | | 12/4/2002 | SANDSTONE & SHALE | 7 | DOMESTIC | 40.610010 | -81.124360 |
| 1948 | 955634 | HARRISON | 235 | 129 | 6/10/2005 | SANDSTONE | 6 | DOMESTIC | 40.610070 | -81.124340 |
| 1949 | 928782 | HARRISON | 225 | 150 | 7/6/2002 | SANDSTONE | 10 | DOMESTIC | 40.610330 | -81.118300 |
| 1950 | 799319 | HARRISON | 177 | 118 | 6/2/1995 | SANDSTONE | 26 | DOMESTIC | 40.614020 | -81.123599 |
| 1951 | 891118 | HARRISON | 192 | 138 | 11/13/1999 | SHALE | 2 | DOMESTIC | 40.619790 | -81.124660 |
| 1952 | 1019127 | HARRISON | 92 | 44 | 1/19/2018 | SHALE | | DOMESTIC | 40.622580 | -81.125550 |
| 1953 | 3003843 | HARRISON | 58 | 20 | 10/4/2022 | SANDSTONE | | DOMESTIC | 40.624637 | -81.123647 |
| 1954 | 844924 | HARRISON | 80 | 15 | 4/22/1997 | SHALE | 38 | DOMESTIC | 40.625182 | -81.120805 |
| 1955 | 2010528 | HARRISON | 180 | 87 | 6/22/2007 | SHALE | | DOMESTIC | 40.626817 | -81.118533 |
| 1956 | 2068076 | HARRISON | 178 | 118 | 5/24/2018 | SHALE | | DOMESTIC | 40.627837 | -81.125870 |
| 1957 | 987596 | HARRISON | 134 | 33 | 5/19/2005 | | | DOMESTIC | 40.629210 | -81.123148 |
| 1958 | 573748 | HARRISON | 70 | 25 | 8/24/1981 | SANDSTONE | 4 | DOMESTIC | 40.633355 | -81.114695 |
| 1959 | 143580 | HARRISON | 57 | 28 | 7/8/1955 | SANDSTONE | 36 | DOMESTIC | 40.626895 | -81.136757 |
| 1960 | 160131 | HARRISON | 146 | 50 | 10/18/1956 | SHALE | | DOMESTIC | 40.641065 | -81.103623 |
| 1961 | 339906 | HARRISON | 60 | 12 | | SHELL | 24 | DOMESTIC | 40.630286 | -81.121281 |
| 1962 | 534154 | HARRISON | 51 | 13 | 10/30/1978 | SANDSTONE | 18 | DOMESTIC | 40.633885 | -81.113616 |
| 1963 | 716254 | HARRISON | 201 | 35 | 12/20/1990 | SHALE | 126 | DOMESTIC | 40.633438 | -81.113048 |
| 1964 | 802787 | HARRISON | 81 | 1 | 4/25/1995 | ROCK | 40 | DOMESTIC | 40.632426 | -81.115500 |
| 1965 | 2086509 | HARRISON | 160 | 22 | 6/8/2021 | SHALE | 81 | DOMESTIC | 40.632402 | -81.115537 |
| 1966 | 849736 | HARRISON | 92 | 15 | 10/13/1997 | CLAY & SHALE | 81 | DOMESTIC | 40.632620 | -81.115400 |
| 1967 | 2045151 | HARRISON | 90 | 19 | 10/10/2013 | SHALE | 62 | DOMESTIC | 40.632500 | -81.114444 |
| 1968 | 716346 | HARRISON | 173 | 12 | 3/28/1992 | SANDSTONE | 90 | DOMESTIC | 40.631532 | -81.118165 |
| 1969 | 1008079 | HARRISON | 170 | 130 | 10/25/2013 | SANDSTONE | 5 | DOMESTIC | 40.632716 | -81.119296 |
| 1970 | 981445 | HARRISON | 130 | 65 | 9/19/2006 | SHALE | 11 | DOMESTIC | 40.631270 | -81.123920 |
| 1971 | 839431 | HARRISON | 144 | 59 | 8/2/1996 | SHALE | 2 | DOMESTIC | 40.631941 | -81.123374 |
| 1972 | 955620 | HARRISON | 117 | 20 | 10/9/2006 | SHALE | 13 | DOMESTIC | 40.633667 | -81.124500 |
| 1973 | 766966 | HARRISON | 115 | 30 | 5/23/1993 | SANDSTONE | 26 | DOMESTIC | 40.631981 | -81.126172 |
| 1974 | 891121 | HARRISON | 133 | 28 | 12/1/1999 | SANDSTONE | 23 | DOMESTIC | 40.631203 | -81.127618 |
| 1975 | 891103 | HARRISON | 213 | 99 | 8/6/1999 | SANDSTONE | 9 | AGRIC/IRRIG | 40.627210 | -81.141770 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|-------------|--------------------|-------------------|
| 1976 | 1014645 | HARRISON | 257 | 156 | 10/14/2011 | SANDSTONE | | AGRIC/IRRIG | 40.626833 | -81.144033 |
| 1977 | 1021948 | HARRISON | 160 | 22 | 6/6/2021 | SHALE | 81 | DOMESTIC | 40.632402 | -81.115537 |
| 1978 | 841902 | HARRISON | 348 | 174 | 9/16/1996 | SHALE | | DOMESTIC | 40.634600 | -81.086192 |
| 1979 | 930229 | HARRISON | 254 | 131 | 4/20/2002 | SHALE | | DOMESTIC | 40.641650 | -81.090880 |
| 1980 | 877488 | HARRISON | 200 | | 4/2/1999 | SHALE | 15 | DOMESTIC | 40.647710 | -81.095320 |
| 1981 | 1012471 | HARRISON | 165 | 99 | 8/10/2009 | SANDSTONE | 2 | DOMESTIC | 40.642860 | -81.092260 |
| 1982 | 599372 | HARRISON | 148 | 89 | 9/26/1981 | SHALE | | DOMESTIC | 40.646163 | -81.094040 |
| 1983 | 934586 | HARRISON | 223 | 187 | 12/29/2002 | SHALE | 30 | DOMESTIC | 40.638500 | -81.102830 |
| 1984 | 160103 | HARRISON | 144 | 55 | 9/15/1955 | SHALE | | DOMESTIC | 40.646701 | -81.104662 |
| 1985 | 455429 | HARRISON | 120 | 70 | 8/14/1973 | SHALE | 4 | DOMESTIC | 40.639762 | -81.103271 |
| 1986 | 507567 | HARRISON | 85 | 30 | 5/3/1978 | CLAY & SHALE | | DOMESTIC | 40.633107 | -81.108486 |
| 1987 | 522386 | HARRISON | 72 | 15 | 9/13/1978 | SANDSTONE | 62 | DOMESTIC | 40.633612 | -81.107375 |
| 1988 | 641758 | HARRISON | 200 | 39 | 9/6/1983 | SHALE | | DOMESTIC | 40.645306 | -81.104676 |
| 1989 | 522674 | HARRISON | 70 | 18 | 8/26/1978 | SHALE | 30 | DOMESTIC | 40.633822 | -81.108471 |
| 1990 | 938993 | HARRISON | 200 | 67 | 12/31/2002 | SANDSTONE & SHALE | 3 | DOMESTIC | 40.636560 | -81.104830 |
| 1991 | 858522 | HARRISON | 194 | 15 | 10/4/1997 | SHALE | 18 | DOMESTIC | 40.636567 | -81.104941 |
| 1992 | 839472 | HARRISON | 103 | 27.5 | 6/26/1997 | SANDSTONE | 2 | DOMESTIC | 40.636937 | -81.104099 |
| 1993 | 799281 | HARRISON | 67 | 42 | 8/20/1994 | OLD WELL | | DOMESTIC | 40.637184 | -81.103904 |
| 1994 | 695827 | HARRISON | 166 | 80 | 4/10/1989 | SHALE | 8 | DOMESTIC | 40.637868 | -81.103329 |
| 1995 | 737623 | HARRISON | 163 | 65.5 | 6/8/1992 | SHALE | 4 | DOMESTIC | 40.638323 | -81.100587 |
| 1996 | 955890 | HARRISON | 142 | 81 | 10/6/2003 | SHALE | 9 | DOMESTIC | 40.638320 | -81.103930 |
| 1997 | 3001959 | HARRISON | 179 | 73 | 7/9/2022 | SHALE | | DOMESTIC | 40.638889 | -81.101667 |
| 1998 | 883731 | HARRISON | 303 | 118 | 9/24/1998 | SANDSTONE | 2 | DOMESTIC | 40.640500 | -81.103790 |
| 1999 | 940723 | HARRISON | 275 | 98 | 5/10/2002 | LOAM | 2 | DOMESTIC | 40.640840 | -81.103830 |
| 2000 | 679140 | HARRISON | 224 | 84 | 12/3/1988 | SHALE | 10 | DOMESTIC | 40.640170 | -81.104577 |
| 2001 | 643618 | HARRISON | 208 | 123 | 4/6/1985 | SANDSTONE | | DOMESTIC | 40.640412 | -81.105977 |
| 2002 | 522438 | HARRISON | 185 | 101 | 4/28/1978 | SHALE | | DOMESTIC | 40.640552 | -81.103319 |
| 2003 | 955622 | HARRISON | 225 | 108 | 3/8/2007 | SHALE | | DOMESTIC | 40.642090 | -81.104130 |
| 2004 | 629946 | HARRISON | 197 | 139 | 10/23/1994 | SHALE | | DOMESTIC | 40.643481 | -81.104544 |
| 2005 | 875620 | HARRISON | 200 | 154 | 8/15/1998 | OLD WELL | | DOMESTIC | 40.643480 | -81.104080 |
| 2006 | 942185 | HARRISON | 190 | 145 | 7/10/2003 | SANDSTONE | 14 | DOMESTIC | 40.635400 | -81.154166 |
| 2007 | 629781 | HARRISON | 177 | 50 | 5/9/1985 | SHALE & SANDSTONE | | DOMESTIC | 40.643704 | -81.104839 |
| 2008 | 942257 | HARRISON | 207 | 150 | 3/12/2002 | CLEANOUT | 177 | DOMESTIC | 40.643850 | -81.104900 |
| 2009 | 877469 | HARRISON | 275 | 173 | 12/8/1998 | SHALE | 2 | DOMESTIC | 40.644670 | -81.103970 |
| 2010 | 955627 | HARRISON | 115 | 39 | 7/25/2006 | SHALE | 1 | DOMESTIC | 40.642000 | -81.104500 |
| 2011 | 716345 | HARRISON | 222 | 61 | 3/7/1992 | SHALE | 15 | AGRIC/IRRIG | 40.501995 | -81.044483 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|-------------|--------------------|-------------------|
| 2012 | 2087117 | HARRISON | 300 | 149 | 7/2/2021 | SHALE | 1 | DOMESTIC | 40.616110 | -81.102050 |
| 2013 | 609588 | HARRISON | 83 | 35 | 4/29/1985 | SHALE | 25 | DOMESTIC | 40.566838 | -81.132280 |
| 2014 | 1008092 | HARRISON | 100 | 32 | 11/7/2015 | SANDSTONE | 22 | DOMESTIC | 40.567110 | -81.129760 |
| 2015 | 213545 | HARRISON | 30 | 15 | 9/23/1959 | SAND | | DOMESTIC | 40.640050 | -81.092796 |
| 2016 | 802817 | HARRISON | 75 | 37 | 8/4/1995 | SANDSTONE | | DOMESTIC | 40.636223 | -81.102244 |
| 2017 | 875608 | HARRISON | 164 | 54 | 6/9/1998 | SHALE | 10 | DOMESTIC | 40.633360 | -81.098260 |
| 2018 | 781620 | HARRISON | 193 | 64 | 7/3/1994 | SHALE | 6 | DOMESTIC | 40.635896 | -81.099523 |
| 2019 | 1011199 | HARRISON | 55 | 10 | 4/15/2010 | SANDSTONE | 9 | DOMESTIC | 40.632950 | -81.098870 |
| 2020 | 687861 | HARRISON | 125 | 50 | 1/20/1989 | SHALE | | DOMESTIC | 40.634489 | -81.097889 |
| 2021 | 972724 | HARRISON | 149 | 65 | 2/19/2004 | SHALE | | DOMESTIC | 40.640220 | -81.092320 |
| 2022 | 721452 | HARRISON | 148 | 112 | 4/28/1991 | SHALE | | DOMESTIC | 40.633740 | -81.092849 |
| 2023 | 930233 | HARRISON | 179 | 105 | 5/30/2002 | SHALE | 2 | DOMESTIC | 40.640420 | -81.092090 |
| 2024 | 671887 | HARRISON | 71 | 27 | 5/7/1990 | SHALE | 28 | DOMESTIC | 40.636369 | -81.096092 |
| 2025 | 695833 | HARRISON | 83 | 14 | 6/3/1989 | SANDSTONE | 72 | DOMESTIC | 40.637354 | -81.095669 |
| 2026 | 687871 | HARRISON | 94 | 30 | 11/6/1989 | SANDSTONE | 12 | | 40.638902 | -81.098182 |
| 2027 | 987263 | HARRISON | 86 | 40 | 5/25/2006 | | | DOMESTIC | 40.638250 | -81.094850 |
| 2028 | 849738 | HARRISON | 98 | 43 | 12/6/1997 | SHALE | 28 | DOMESTIC | 40.642100 | -81.091080 |
| 2029 | 866810 | HARRISON | 100 | 49 | 5/17/2000 | SHALE | | DOMESTIC | 40.639722 | -81.097500 |
| 2030 | 690424 | HARRISON | 115 | 80 | 11/4/1991 | SANDSTONE | | DOMESTIC | 40.637899 | -81.091479 |
| 2031 | 2037079 | HARRISON | 120 | 47 | 4/10/2012 | SANDSTONE & SHALE | 14 | DOMESTIC | 40.639722 | -81.097500 |
| 2032 | 2069890 | HARRISON | 125 | 23 | 8/27/2018 | SHALE | 12 | AGRIC/IRRIG | 40.640042 | -81.091725 |
| 2033 | 987257 | HARRISON | 180 | 57 | 2/7/2006 | | | DOMESTIC | 40.642216 | -81.091273 |
| 2034 | 500310 | HARRISON | 225 | 75 | 9/10/1976 | SHALE | 3 | DOMESTIC | 40.644895 | -81.099311 |
| 2035 | 945958 | HARRISON | 133 | 90 | 1/9/2003 | SHALE | | AGRIC/IRRIG | 40.646660 | -81.095990 |
| 2036 | 2052647 | HARRISON | 249 | 120.6 | 5/12/2015 | COAL | | MONITOR | 40.643417 | -81.097722 |
| 2037 | 2052648 | HARRISON | 84 | 72 | 5/12/2015 | SANDSTONE | | MONITOR | 40.643417 | -81.097778 |
| 2038 | 2052649 | HARRISON | 199 | 125.5 | 5/12/2015 | SHALE | | MONITOR | 40.643417 | -81.097833 |
| 2039 | 2052650 | HARRISON | 99 | 71.2 | 5/12/2015 | SANDSTONE & SHALE | | MONITOR | 40.643417 | -81.097889 |
| 2040 | 914638 | HARRISON | 200 | 105 | 5/2/2001 | SHALE | | DOMESTIC | 40.647060 | -81.102500 |
| 2041 | 573712 | HARRISON | 118 | | 11/17/1980 | SHALE | | DOMESTIC | 40.643959 | -81.146638 |
| 2042 | 477485 | HARRISON | 86 | 56 | 3/8/1976 | SANDSTONE | | DOMESTIC | 40.643959 | -81.146638 |
| 2043 | 2020116 | HARRISON | 90 | 18 | 10/8/2008 | SANDSTONE | 21 | DOMESTIC | 40.644600 | -81.144483 |
| 2044 | 596846 | HARRISON | 70 | 20 | 5/27/1982 | SHALE | 4 | DOMESTIC | 40.643833 | -81.144278 |
| 2045 | 103435 | HARRISON | 180 | 70 | 11/27/1953 | SAND | | | 40.616165 | -81.104050 |
| 2046 | 103444 | HARRISON | 90 | 35 | 3/24/1954 | SHALE | 42 | DOMESTIC | 40.617281 | -81.099110 |
| 2047 | 143552 | HARRISON | 72 | 30 | 10/16/1954 | SHALE | 64 | DOMESTIC | 40.617020 | -81.126413 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|----------|--------------------|-------------------|
| 2048 | 143555 | HARRISON | 100 | 40 | 10/19/1954 | SHALE | 38 | DOMESTIC | 40.617114 | -81.128098 |
| 2049 | 160109 | HARRISON | 76 | 20 | 10/5/1955 | SHALE | 34 | | 40.616861 | -81.097818 |
| 2050 | 160119 | HARRISON | 72 | 40 | 7/21/1956 | SHALE | | DOMESTIC | 40.617277 | -81.129444 |
| 2051 | 160570 | HARRISON | 110 | 55 | 1/30/1956 | SHALE | 30 | DOMESTIC | 40.620758 | -81.133749 |
| 2052 | 184977 | HARRISON | 65 | 44 | 9/27/1957 | SHALE | 15 | DOMESTIC | 40.617371 | -81.130497 |
| 2053 | 213526 | HARRISON | 215 | 70 | 4/22/1959 | SAND | 25 | DOMESTIC | 40.617240 | -81.104751 |
| 2054 | 213527 | HARRISON | 97 | 70 | 4/26/1959 | SAND | 20 | DOMESTIC | 40.619498 | -81.139955 |
| 2055 | 213539 | HARRISON | 90 | 25 | 7/8/1959 | SHALE | 45 | DOMESTIC | 40.617523 | -81.131512 |
| 2056 | 213540 | HARRISON | 90 | 48 | 7/24/1959 | SHALE | 45 | DOMESTIC | 40.617614 | -81.132816 |
| 2057 | 223190 | HARRISON | 214 | 160 | | SHALE | | DOMESTIC | 40.612839 | -81.099541 |
| 2058 | 225923 | HARRISON | 100 | 70 | 11/24/1958 | SANDSTONE | | DOMESTIC | 40.617606 | -81.095585 |
| 2059 | 255361 | HARRISON | 167 | 130 | | SHALE | 141 | DOMESTIC | 40.616586 | -81.105218 |
| 2060 | 296875 | HARRISON | 138 | 75 | 12/9/1963 | SANDSTONE | 40 | DOMESTIC | 40.621342 | -81.146037 |
| 2061 | 321817 | HARRISON | 175 | 65 | 3/4/1965 | SANDSTONE | 6 | | 40.621459 | -81.145485 |
| 2062 | 379767 | HARRISON | 45 | 18 | | | | DOMESTIC | 40.617176 | -81.127513 |
| 2063 | 411973 | HARRISON | 237 | 160 | 12/17/1970 | SAND | 212 | | 40.617320 | -81.104749 |
| 2064 | 424367 | HARRISON | 108 | 29 | 9/6/1971 | SHALE | | DOMESTIC | 40.617454 | -81.130102 |
| 2065 | 424377 | HARRISON | 198 | 65 | 9/25/1971 | SHALE | | | 40.620368 | -81.145086 |
| 2066 | 427259 | HARRISON | 120 | 55 | 5/15/1972 | SHALE | | DOMESTIC | 40.621319 | -81.150374 |
| 2067 | 429275 | HARRISON | 93 | 60 | 7/10/1972 | SHALE | 32 | DOMESTIC | 40.618508 | -81.135711 |
| 2068 | 432426 | HARRISON | 125 | 60 | 5/29/1972 | SHALE | | DOMESTIC | 40.619688 | -81.137467 |
| 2069 | 432427 | HARRISON | 60 | 20 | 5/30/1972 | SAND | | DOMESTIC | 40.622289 | -81.123880 |
| 2070 | 432429 | HARRISON | 55 | 30 | 6/8/1972 | SHALE | | DOMESTIC | 40.617521 | -81.111100 |
| 2071 | 432445 | HARRISON | 109 | 55 | 8/15/1972 | SHALE | | DOMESTIC | 40.617077 | -81.119296 |
| 2072 | 443609 | HARRISON | 115 | 60 | 9/15/1972 | SAND | 5 | DOMESTIC | 40.616994 | -81.122631 |
| 2073 | 443650 | HARRISON | 127 | 73 | 4/26/1973 | SHALE & SANDSTONE | 4 | DOMESTIC | 40.620397 | -81.141012 |
| 2074 | 455437 | HARRISON | 136 | 111 | 8/27/1973 | SAND | 2 | DOMESTIC | 40.625204 | -81.111143 |
| 2075 | 464165 | HARRISON | 183 | 183 | 3/22/1974 | SANDSTONE | 4 | DOMESTIC | 40.615415 | -81.102298 |
| 2076 | 464217 | HARRISON | 98 | 68 | 2/5/1974 | SHALE | 5 | | 40.621459 | -81.145485 |
| 2077 | 476245 | HARRISON | 74 | 15 | 10/29/1975 | SANDSTONE | 4 | DOMESTIC | 40.623901 | -81.121672 |
| 2078 | 493378 | HARRISON | 45 | 23 | 8/30/1976 | SHALE | 20 | DOMESTIC | 40.617716 | -81.112973 |
| 2079 | 522395 | HARRISON | 151 | 62 | 11/5/1978 | SHALE | | | 40.616720 | -81.112217 |
| 2080 | 522444 | HARRISON | 166 | 120 | 6/8/1978 | SANDSTONE | | DOMESTIC | 40.617227 | -81.125603 |
| 2081 | 615937 | HARRISON | 151 | 60 | 3/18/1986 | SHALE | 16 | | 40.616561 | -81.101173 |
| 2082 | 766960 | HARRISON | 298 | 98 | 5/3/1993 | SHALE | 10 | DOMESTIC | 40.615995 | -81.091457 |
| 2083 | 965311 | HARRISON | 256 | 88 | 9/13/2003 | SHALE | | DOMESTIC | 40.616333 | -81.093167 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|----------|--------------------|-------------------|
| 2084 | 858921 | HARRISON | 200 | 102 | 10/7/1997 | SHALE | 6 | DOMESTIC | 40.619830 | -81.082570 |
| 2085 | 1008215 | HARRISON | 95 | 47 | 1/2/2008 | | | DOMESTIC | 40.617167 | -81.098833 |
| 2086 | 752312 | HARRISON | 175 | 104 | 10/26/1992 | SHALE | | DOMESTIC | 40.616772 | -81.099891 |
| 2087 | 902254 | HARRISON | 300 | 93 | 7/31/2000 | SHALE | 3 | DOMESTIC | 40.619890 | -81.084660 |
| 2088 | 2087561 | HARRISON | 168 | 115 | 7/30/2021 | SANDSTONE | 8 | DOMESTIC | 40.618390 | -81.109150 |
| 2089 | 731254 | HARRISON | 200 | 70 | 1/1/1990 | SHALE | | DOMESTIC | 40.618526 | -81.110786 |
| 2090 | 781618 | HARRISON | 201 | 106 | 6/30/1994 | CLEANOUT | | DOMESTIC | 40.618528 | -81.110871 |
| 2091 | 1016814 | HARRISON | 178 | 76 | 10/1/2014 | SANDSTONE | | DOMESTIC | 40.618667 | -81.112250 |
| 2092 | 857858 | HARRISON | 105 | 50 | 8/2/1997 | SANDSTONE | 15 | DOMESTIC | 40.616306 | -81.113914 |
| 2093 | 514503 | HARRISON | 143 | 79 | 4/17/1977 | SHALE | | DOMESTIC | 40.616994 | -81.122631 |
| 2094 | 839451 | HARRISON | 157 | 109 | 11/6/1996 | CLEANOUT | | DOMESTIC | 40.617110 | -81.122285 |
| 2095 | 671506 | HARRISON | 217 | 143 | 10/10/1987 | SAND | | DOMESTIC | 40.617188 | -81.125322 |
| 2096 | 643647 | HARRISON | 144 | 43 | 10/7/1985 | SHALE | | | 40.617454 | -81.130102 |
| 2097 | 461905 | HARRISON | 100 | 50 | 8/8/1973 | SHALE | 15 | | 40.617685 | -81.130874 |
| 2098 | 493373 | HARRISON | 85 | 52 | 7/13/1976 | SHALE | 40 | DOMESTIC | 40.618349 | -81.134841 |
| 2099 | 891106 | HARRISON | 112 | 60 | 8/27/1999 | SHALE | | DOMESTIC | 40.618060 | -81.134860 |
| 2100 | 3006511 | HARRISON | 140 | 74 | 3/2/2023 | SANDSTONE | 11 | DOMESTIC | 40.617610 | -81.135400 |
| 2101 | 752290 | HARRISON | 124 | 78 | 7/13/1992 | SHALE | | DOMESTIC | 40.618542 | -81.135752 |
| 2102 | 461903 | HARRISON | 100 | 50 | 8/8/1973 | LIMESTONE | 10 | | 40.618746 | -81.137098 |
| 2103 | 883739 | HARRISON | 100 | 47 | 11/18/1998 | SHALE | 4 | DOMESTIC | 40.618060 | -81.136000 |
| 2104 | 702361 | HARRISON | 241 | 174 | 10/14/1989 | SANDSTONE | 82 | DOMESTIC | 40.619071 | -81.137914 |
| 2105 | 987607 | HARRISON | 253 | 183 | 8/10/2005 | SANDSTONE & SHALE | 1 | DOMESTIC | 40.620500 | -81.137500 |
| 2106 | 987589 | HARRISON | 246 | 185 | 2/22/2005 | SHALE | | DOMESTIC | 40.618470 | -81.136430 |
| 2107 | 500319 | HARRISON | 225 | 115 | 11/10/1976 | SHALE | | DOMESTIC | 40.620397 | -81.141012 |
| 2108 | 781623 | HARRISON | 347 | 258 | 7/18/1994 | SAND | | DOMESTIC | 40.620438 | -81.140593 |
| 2109 | 1012486 | HARRISON | 370 | 247 | 11/22/2010 | SHALE | | DOMESTIC | 40.620500 | -81.140600 |
| 2110 | 752311 | HARRISON | 303 | 219 | 10/20/1992 | CORED | 34 | DOMESTIC | 40.620676 | -81.142987 |
| 2111 | 2025709 | HARRISON | 246 | 84 | 12/4/2009 | SHALE | 7 | DOMESTIC | 40.621867 | -81.145217 |
| 2112 | 578674 | HARRISON | 173 | 70 | 1/6/1982 | SANDSTONE | 128 | | 40.620159 | -81.144055 |
| 2113 | 635613 | HARRISON | 255 | 181 | 5/31/1976 | SANDSTONE | | | 40.620159 | -81.144055 |
| 2114 | 930253 | HARRISON | 354 | 228 | 11/22/2002 | LIMESTONE & SHALE | 5 | DOMESTIC | 40.619220 | -81.139200 |
| 2115 | 2084085 | HARRISON | 300 | 110 | 12/22/2020 | SANDSTONE | | DOMESTIC | 40.621470 | -81.144330 |
| 2116 | 522356 | HARRISON | 225 | 70 | 5/1/1978 | SHALE | 130 | | 40.621342 | -81.146037 |
| 2117 | 650361 | HARRISON | 252 | 154 | 9/12/1987 | SAND | 18 | DOMESTIC | 40.621874 | -81.147256 |
| 2118 | 500346 | HARRISON | 221 | 150 | 5/27/1977 | SHALE | | DOMESTIC | 40.620911 | -81.147146 |
| 2119 | 573706 | HARRISON | 221 | 151 | 9/29/1980 | SANDSTONE | | DOMESTIC | 40.620990 | -81.147598 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|-----------------|--------------------|-------------------|
| 2120 | 891093 | HARRISON | 131 | 84 | 6/8/1999 | SHALE | 88 | DOMESTIC | 40.619230 | -81.140320 |
| 2121 | 820066 | HARRISON | 371 | 177 | 1/17/1996 | SANDSTONE | 4 | DOMESTIC | 40.622428 | -81.147626 |
| 2122 | 514511 | HARRISON | 148 | 78 | 5/19/1977 | SHALE | 93 | | 40.621372 | -81.148561 |
| 2123 | 942166 | HARRISON | 250 | 174 | 9/16/2002 | CLEANOUT | 85 | DOMESTIC | 40.623330 | -81.149720 |
| 2124 | 942160 | HARRISON | 230 | 151 | 7/23/2002 | SANDSTONE & SHALE | | DOMESTIC | 40.633830 | -81.152670 |
| 2125 | 1016782 | HARRISON | 226 | 153 | 4/18/2013 | | | DOMESTIC | 40.630333 | -81.083700 |
| 2126 | 49418 | LEE | 129 | 45 | | SAND | 40 | | 40.540205 | -80.953682 |
| 2127 | 52660 | LEE | 70 | | 10/30/1948 | LIMESTONE | 16 | | 40.542400 | -81.034141 |
| 2128 | 52661 | LEE | 62 | | 10/27/1948 | SHALE | 30 | | 40.495614 | -80.966716 |
| 2129 | 89167 | LEE | 144 | 100 | 10/18/1951 | SHALE | | DOMESTIC | 40.542265 | -81.051029 |
| 2130 | 89185 | LEE | 205 | 40 | 6/11/1951 | SHALE | 75 | DOMESTIC | 40.520432 | -80.997603 |
| 2131 | 117860 | LEE | 45 | 12 | 7/10/1954 | SANDSTONE | 38 | DOMESTIC | 40.551403 | -81.049306 |
| 2132 | 237846 | LEE | 492 | 40 | 11/18/1961 | SHALE | | PUBLIC/SEMI-PUB | 40.521333 | -81.001302 |
| 2133 | 312839 | LEE | 261 | 50 | 9/12/1966 | SHALE & SANDSTONE | 40 | DOMESTIC | 40.516063 | -81.008043 |
| 2134 | 424366 | LEE | 65 | 128 | 9/4/1971 | SAND | | DOMESTIC | 40.541074 | -80.954674 |
| 2135 | 752299 | LEE | 201 | 38 | 8/8/1982 | OLD WELL | | DOMESTIC | 40.521110 | -81.001520 |
| 2136 | 318439 | LEE | 97 | 75 | 7/5/1965 | SANDSTONE | | DOMESTIC | 40.523594 | -81.036396 |
| 2137 | 390949 | LEE | 85 | 35 | 7/31/1971 | CLAY & SHALE | | DOMESTIC | 40.557436 | -81.012577 |
| 2138 | 339938 | LEE | 66 | 30 | | SHALE | 50 | DOMESTIC | 40.529402 | -80.998854 |
| 2139 | 370056 | LEE | 150 | 125 | 9/26/1967 | SANDSTONE | 57 | DOMESTIC | 40.527527 | -80.996230 |
| 2140 | 390907 | LEE | 103 | 30 | 4/21/1969 | SHALE | 6 | DOMESTIC | 40.550200 | -80.976218 |
| 2141 | 390918 | LEE | 125 | 58 | 8/15/1969 | SHALE | | DOMESTIC | 40.529239 | -80.997214 |
| 2142 | 427292 | LEE | 223 | 160 | 3/14/1974 | SHALE | | DOMESTIC | 40.507317 | -81.001035 |
| 2143 | 432434 | LEE | 125 | 45 | 6/30/1972 | SHALE | 9 | DOMESTIC | 40.520648 | -81.001211 |
| 2144 | 507564 | LEE | 75 | 40 | 4/18/1978 | SANDSTONE | | DOMESTIC | 40.511213 | -81.004134 |
| 2145 | 942265 | LEE | 190 | 130 | 8/2/2002 | SHALE | 2 | DOMESTIC | 40.550480 | -80.975850 |
| 2146 | 693169 | LEE | 170 | 74 | 10/4/1989 | SANDSTONE | 13 | DOMESTIC | 40.550349 | -80.975278 |
| 2147 | 716314 | LEE | 177 | 129 | 9/12/1990 | OLD WELL | | DOMESTIC | 40.550354 | -80.975257 |
| 2148 | 550289 | LEE | 92 | 23 | 11/15/1980 | SHALE | | | 40.545675 | -80.980179 |
| 2149 | 716258 | LEE | 361 | 42 | 2/26/1991 | SHALE | 23 | AGRIC/IRRIG | 40.545490 | -80.980069 |
| 2150 | 464155 | LEE | 48 | 8 | 11/20/1973 | SHALE | | DOMESTIC | 40.535034 | -80.984167 |
| 2151 | 1009790 | LEE | 105 | 54 | 10/6/2010 | LIMESTONE | | DOMESTIC | 40.541760 | -80.983070 |
| 2152 | 930205 | LEE | 317 | 101 | 7/30/2001 | OLD WELL | | DOMESTIC | 40.535460 | -80.983720 |
| 2153 | 781616 | LEE | 312 | 114 | 6/16/1994 | SHALE | | DOMESTIC | 40.619700 | -80.952205 |
| 2154 | 693151 | LEE | 152 | 82 | 12/2/1988 | SHALE | 8 | DOMESTIC | 40.520694 | -81.003879 |
| 2155 | 1008248 | LEE | 277 | 164 | 3/25/2009 | SHALE | | DOMESTIC | 40.525660 | -80.999070 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|-------------|--------------------|-------------------|
| 2156 | 693172 | LEE | 94 | 42 | 10/30/1989 | SHALE | 12 | DOMESTIC | 40.524379 | -81.001670 |
| 2157 | 2065577 | LEE | 220 | 164 | 11/10/2017 | SANDSTONE | | DOMESTIC | 40.524489 | -81.000669 |
| 2158 | 480441 | LEE | 124 | 64 | 9/22/1976 | CLAY & SHALE | 10 | | 40.522429 | -81.001649 |
| 2159 | 875650 | LEE | 268 | 126 | 11/28/1998 | SHALE | | DOMESTIC | 40.533150 | -80.983750 |
| 2160 | 963560 | LEE | 300 | 65 | 10/17/2003 | SHALE | 1 | | 40.533060 | -80.983390 |
| 2161 | 858538 | LEE | 265 | 122 | 1/8/1998 | OLD WELL | | DOMESTIC | 40.533030 | -80.983380 |
| 2162 | 2053974 | LEE | 200 | 37 | 9/22/2015 | SANDSTONE | 1 | AGRIC/IRRIG | 40.525750 | -80.998020 |
| 2163 | 650364 | LEE | 120 | 50 | 9/6/1987 | COAL | 6 | DOMESTIC | 40.622457 | -80.954451 |
| 2164 | 693167 | LEE | 65 | 14 | 9/12/1989 | SHALE | | DOMESTIC | 40.509446 | -81.003502 |
| 2165 | 829691 | LEE | 100 | 27 | 11/1/1996 | SHALE | 3 | DOMESTIC | 40.508263 | -81.001503 |
| 2166 | 752281 | LEE | 248 | 141 | 5/25/1992 | SHALE | | DOMESTIC | 40.507373 | -81.001373 |
| 2167 | 987609 | LEE | 286 | 175 | 8/19/2005 | SHALE | | DOMESTIC | 40.507500 | -81.001170 |
| 2168 | 963526 | LEE | 330 | 175 | 12/9/2004 | | 7 | DOMESTIC | 40.514010 | -81.006270 |
| 2169 | 653700 | LEE | 52 | 22 | 12/2/1988 | SANDSTONE | | DOMESTIC | 40.504638 | -80.998298 |
| 2170 | 764512 | LEE | 100 | 16 | 6/24/1993 | SHALE | | DOMESTIC | 40.495131 | -80.997717 |
| 2171 | 609575 | LEE | 66 | | 10/15/1983 | SHALE | 15 | DOMESTIC | 40.494449 | -80.997293 |
| 2172 | 609579 | LEE | 72 | 12 | 10/18/1983 | SANDSTONE | 15 | DOMESTIC | 40.494457 | -80.997297 |
| 2173 | 3013034 | LEE | 180 | 123 | 1/18/2024 | SANDSTONE | 2 | DOMESTIC | 40.515780 | -81.015550 |
| 2174 | 790955 | LEE | 150 | 66 | 8/15/1994 | SHALE | 2 | DOMESTIC | 40.515662 | -81.012221 |
| 2175 | 924869 | LEE | 155 | 105 | 7/21/2003 | SANDSTONE | 5 | DOMESTIC | 40.515330 | -81.011400 |
| 2176 | 766254 | LEE | 180 | 60 | 8/28/1993 | SANDSTONE | 79 | DOMESTIC | 40.515125 | -81.007392 |
| 2177 | 932888 | LEE | 150 | 70 | 10/1/2001 | SHALE | | DOMESTIC | 40.514890 | -81.006840 |
| 2178 | 1019867 | LEE | 130 | 80 | 5/23/2019 | SANDSTONE | 7 | DOMESTIC | 40.524869 | -81.038399 |
| 2179 | 50494 | LEE | 120 | | 8/1/1951 | SANDSTONE | 39 | | 40.523996 | -81.037494 |
| 2180 | 468472 | LEE | 134 | 81 | 6/27/1974 | SHALE | 4 | DOMESTIC | 40.523258 | -81.040073 |
| 2181 | 1006080 | LEE | 157 | 80 | 8/17/2007 | SANDSTONE | | DOMESTIC | 40.524050 | -81.038067 |
| 2182 | 160146 | LEE | 74 | 20 | 5/27/1957 | SAND | | DOMESTIC | 40.543701 | -81.014598 |
| 2183 | 160147 | LEE | 50 | 20 | 5/27/1957 | SHALE | 40 | DOMESTIC | 40.544008 | -81.020573 |
| 2184 | 239977 | LEE | 54 | 40 | 10/14/1961 | SAND | 30 | DOMESTIC | 40.517993 | -80.952087 |
| 2185 | 372035 | LEE | 75 | 40 | 7/31/1968 | SAND | 5 | | 40.518784 | -80.962527 |
| 2186 | 372049 | LEE | 74 | 35 | 10/21/1968 | SAND | | DOMESTIC | 40.517993 | -80.952087 |
| 2187 | 424394 | LEE | 43 | 19 | 11/4/1971 | SHALE | 35 | | 40.544444 | -81.025652 |
| 2188 | 829570 | LEE | 81 | 55 | 9/22/1997 | SILTSTONE | | DOMESTIC | 40.545340 | -81.024625 |
| 2189 | 802808 | LEE | 125 | 38 | 7/26/1995 | SANDSTONE | 8 | DOMESTIC | 40.543915 | -81.024482 |
| 2190 | 864029 | LEE | 80 | 50 | 10/20/1997 | SANDSTONE & SHALE | | DOMESTIC | 40.545210 | -81.033840 |
| 2191 | 799641 | LEE | 96 | 60 | 1/10/1997 | SANDSTONE | 18 | DOMESTIC | 40.544536 | -81.021513 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|-------------|--------------------|-------------------|
| 2192 | 864030 | LEE | 122 | 60 | 10/30/1997 | SANDSTONE & SHALE | 20 | DOMESTIC | 40.545758 | -81.022475 |
| 2193 | 877455 | LEE | 150 | 41 | 10/17/1998 | SHALE | 10 | DOMESTIC | 40.545210 | -81.033470 |
| 2194 | 839106 | LEE | 78 | 18 | 11/16/1996 | SHALE | 12 | DOMESTIC | 40.545669 | -81.018999 |
| 2195 | 877494 | LEE | 85 | 18 | 5/10/1999 | SANDSTONE | 15 | DOMESTIC | 40.544970 | -81.033110 |
| 2196 | 858513 | LEE | 148 | 27 | 8/28/1997 | SHALE | 15 | DOMESTIC | 40.547317 | -81.017698 |
| 2197 | 819085 | LEE | 140 | 25 | 8/31/1995 | SHALE | 5 | DOMESTIC | 40.543977 | -81.015228 |
| 2198 | 874648 | LEE | 172 | 80 | 2/17/1999 | SHALE | 26 | DOMESTIC | 40.545080 | -81.021320 |
| 2199 | 1008080 | LEE | 90 | 52 | 10/29/2013 | SANDSTONE | 4 | DOMESTIC | 40.538982 | -81.008991 |
| 2200 | 1009792 | LEE | 180 | 50 | 9/3/2009 | SANDSTONE | 9 | DOMESTIC | 40.534050 | -81.000670 |
| 2201 | 888837 | LEE | 139 | 40 | 8/31/1999 | SANDSTONE | | DOMESTIC | 40.540820 | -81.010710 |
| 2202 | 802848 | LEE | 125 | 15 | 11/9/1995 | SANDSTONE | 20 | DOMESTIC | 40.529248 | -80.983129 |
| 2203 | 2080900 | LEE | 120 | 30 | 7/23/2020 | SHALE | 8 | DOMESTIC | 40.533140 | -80.995150 |
| 2204 | 820051 | LEE | 91 | 22 | 10/4/1995 | SHALE | | DOMESTIC | 40.528293 | -80.965261 |
| 2205 | 2013895 | LEE | 100 | 17 | 11/19/2007 | SHALE | 2 | DOMESTIC | 40.516519 | -80.954958 |
| 2206 | 963539 | LEE | 155 | 40 | 9/28/2005 | SANDSTONE & SHALE | 27 | DOMESTIC | 40.526630 | -80.978350 |
| 2207 | 972681 | LEE | 313 | 150 | 4/30/2004 | SANDSTONE | | DOMESTIC | 40.579589 | -81.089752 |
| 2208 | 799314 | LEE | | 79 | 4/14/1995 | | | DOMESTIC | 40.490307 | -80.979773 |
| 2209 | 1019871 | LEE | 355 | 160 | 9/5/2018 | SANDSTONE | 12 | DOMESTIC | 40.497130 | -80.967520 |
| 2210 | 480437 | LEE | 92 | 45 | 8/3/1976 | CLAY & SHALE | | DOMESTIC | 40.542401 | -81.050394 |
| 2211 | 507593 | LEE | 65 | 30 | 8/10/1979 | SANDSTONE | 15 | DOMESTIC | 40.541572 | -81.051809 |
| 2212 | 568407 | LEE | 109 | 35 | 9/13/1980 | SAND | | DOMESTIC | 40.542945 | -81.048498 |
| 2213 | 883325 | LEE | 255 | 40 | 7/10/2000 | SANDSTONE | 2 | AGRIC/IRRIG | 40.508500 | -81.051000 |
| 2214 | 743325 | LEE | 300 | 80 | 1/13/1992 | SHALE | 14 | DOMESTIC | 40.543207 | -81.048502 |
| 2215 | 2083108 | LEE | 140 | 70 | 11/5/2020 | SANDSTONE | 8 | DOMESTIC | 40.546013 | -81.047341 |
| 2216 | 598790 | LEE | 102 | 67 | 6/10/1983 | SHALE | | DOMESTIC | 40.543398 | -81.049586 |
| 2217 | 858909 | LEE | 150 | 75 | 8/22/1997 | SHALE | 3 | DOMESTIC | 40.543625 | -81.049238 |
| 2218 | 963518 | LEE | 380 | 58 | 8/31/2004 | SANDSTONE | 7 | DOMESTIC | 40.545466 | -81.048181 |
| 2219 | 1006564 | LEE | 215 | 69 | 8/5/2007 | | | DOMESTIC | 40.545667 | -81.047167 |
| 2220 | 578656 | LEE | 176 | 110 | 9/23/1981 | SHALE | 139 | DOMESTIC | 40.545286 | -81.048488 |
| 2221 | 693162 | LEE | 64 | 30 | 7/18/1989 | SHALE | 17 | DOMESTIC | 40.546424 | -81.047440 |
| 2222 | 635640 | LEE | 164 | 164 | 9/27/1986 | SHALE | 2 | DOMESTIC | 40.550437 | -81.039868 |
| 2223 | 353804 | LEE | 45 | 18 | 7/29/1966 | SHALE | 20 | | 40.509836 | -80.969549 |
| 2224 | 635614 | LEE | 102 | 46 | 5/31/1986 | SANDSTONE | 21 | DOMESTIC | 40.510936 | -80.971760 |
| 2225 | 522413 | LEE | 54 | 9 | 8/4/1977 | SANDSTONE | 22 | DOMESTIC | 40.509811 | -80.970170 |
| 2226 | 1009788 | LEE | 140 | 43 | 8/25/2010 | SANDSTONE | 24 | DOMESTIC | 40.500483 | -80.991860 |
| 2227 | 143793 | LEE | 215 | 115 | 9/10/1954 | SHALE | 10 | DOMESTIC | 40.551758 | -80.973370 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|----------|--------------------|-------------------|
| 2228 | 143794 | LEE | 98 | 45 | 9/10/1954 | SAND | 40 | DOMESTIC | 40.555035 | -80.980820 |
| 2229 | 241452 | LEE | 116 | 60 | | SANDSTONE | 58 | | 40.541683 | -80.954528 |
| 2230 | 802841 | LEE | 150 | 79 | 11/2/1995 | SANDSTONE | 6 | DOMESTIC | 40.558364 | -80.989200 |
| 2231 | 799322 | LEE | 207 | 44 | 7/3/1995 | SHALE | 10 | DOMESTIC | 40.555365 | -80.980978 |
| 2232 | 2046564 | LEE | 100 | 50 | 2/26/2014 | SANDSTONE | 17 | DOMESTIC | 40.556433 | -80.981033 |
| 2233 | 820026 | LEE | 103 | 61 | 7/3/1995 | SHALE | 6 | DOMESTIC | 40.555340 | -80.979941 |
| 2234 | 930247 | LEE | 178 | 60 | 9/19/2002 | SHALE | 6 | DOMESTIC | 40.557490 | -80.986490 |
| 2235 | 891097 | LEE | 253 | 71 | 6/15/1999 | SHALE | 1 | DOMESTIC | 40.551460 | -80.972250 |
| 2236 | 2077923 | LEE | 260 | 57 | 1/7/2020 | SHALE | 2 | DOMESTIC | 40.552690 | -80.973910 |
| 2237 | 963549 | LEE | 380 | 113 | 7/27/2006 | SANDSTONE | 15 | DOMESTIC | 40.486860 | -81.019310 |
| 2238 | 186923 | LEE | 100 | 50 | 2/11/1957 | SHALE | 57 | DOMESTIC | 40.511435 | -81.039370 |
| 2239 | 296893 | LEE | 115 | 55 | | SHALE | 6 | DOMESTIC | 40.508667 | -81.038108 |
| 2240 | 695849 | LEE | 295 | 117 | 8/22/1989 | SANDSTONE | | DOMESTIC | 40.520804 | -81.027701 |
| 2241 | 671867 | LEE | 127 | 60 | 10/26/1988 | LIMESTONE | 3 | DOMESTIC | 40.519454 | -81.028802 |
| 2242 | 826286 | LEE | 259 | 53 | 10/26/1996 | SHALE | | DOMESTIC | 40.518961 | -81.031088 |
| 2243 | 528123 | LEE | 120 | 98 | 2/8/1980 | SANDSTONE | 4 | DOMESTIC | 40.514052 | -81.035905 |
| 2244 | 924894 | LEE | 350 | 160 | 5/20/2002 | SANDSTONE | | DOMESTIC | 40.500270 | -81.031810 |
| 2245 | 613638 | LEE | 122 | 82 | 9/25/1987 | SHALE | 7 | DOMESTIC | 40.507949 | -81.038773 |
| 2246 | 894300 | LEE | 105 | 50 | 5/6/2000 | SHALE | 8 | DOMESTIC | 40.509170 | -81.037833 |
| 2247 | 1007096 | LEE | 225 | 98 | 11/13/2008 | SHALE | 1 | DOMESTIC | 40.507367 | -81.042367 |
| 2248 | 894274 | LEE | 205 | 70 | 1/14/2000 | SHALE | 6 | DOMESTIC | 40.493600 | -81.029650 |
| 2249 | 967520 | LEE | 275 | 75 | 1/28/2005 | | 10 | DOMESTIC | 40.492800 | -81.029050 |
| 2250 | 992609 | LEE | 265 | 113 | 9/18/2007 | SANDSTONE & SHALE | | DOMESTIC | 40.505367 | -81.038367 |
| 2251 | 2011914 | LEE | 275 | 61 | 8/13/2007 | SHALE | 2 | DOMESTIC | 40.494628 | -81.024414 |
| 2252 | 766256 | LEE | 200 | 98 | 11/18/1993 | SANDSTONE | | DOMESTIC | 40.494583 | -81.032544 |
| 2253 | 92668 | LEE | 202 | 50 | | SHALE | 58 | | 40.533939 | -81.038163 |
| 2254 | 206099 | LEE | 128 | 105 | | SAND | 46 | DOMESTIC | 40.541090 | -81.025944 |
| 2255 | 368418 | LEE | 65 | 13 | 7/15/1970 | SAND | 10 | | 40.548250 | -81.025617 |
| 2256 | 752318 | LEE | 370 | 55 | 12/10/1992 | SANDSTONE | 10 | DOMESTIC | 40.549876 | -81.024007 |
| 2257 | 801987 | LEE | 180 | 60 | 12/3/1995 | SANDSTONE | 7 | DOMESTIC | 40.547436 | -81.025815 |
| 2258 | 464220 | LEE | 86 | 58 | 3/5/1974 | CLEANOUT | | DOMESTIC | 40.541388 | -81.027572 |
| 2259 | 2084273 | LEE | 160 | 73 | 1/13/2021 | SHALE | 1 | DOMESTIC | 40.541430 | -81.027800 |
| 2260 | 716276 | LEE | 155 | 92 | 7/25/1991 | SHALE | | DOMESTIC | 40.538531 | -81.026480 |
| 2261 | 891149 | LEE | 330 | 107.5 | 9/30/2000 | CLAY & SHALE | | DOMESTIC | 40.538010 | -81.028960 |
| 2262 | 877508 | LEE | 150 | 60 | 6/25/1999 | SHALE | 5 | DOMESTIC | 40.538010 | -81.028930 |
| 2263 | 1002415 | LEE | 193 | 32 | 4/12/2006 | SHALE | 3 | DOMESTIC | 40.532670 | -81.034500 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|-----------------|--------------------|-------------------|
| 2264 | 955612 | LEE | 155 | 55 | 6/12/2003 | CLAY & SHALE | | DOMESTIC | 40.536390 | -81.037500 |
| 2265 | 671543 | LEE | 223 | 50 | 5/31/1988 | SHALE | 3 | DOMESTIC | 40.556402 | -81.009290 |
| 2266 | 507579 | LEE | 100 | 25 | 9/16/1978 | LIMESTONE | | DOMESTIC | 40.548902 | -81.013345 |
| 2267 | 1012866 | LEE | 145 | 38 | 12/20/2011 | SHALE | 5 | DOMESTIC | 40.550617 | -81.005933 |
| 2268 | 2048047 | LEE | 300 | 90 | 6/27/2014 | SANDSTONE | 10 | DOMESTIC | 40.548760 | -81.013490 |
| 2269 | 318429 | LEE | 80 | 28 | | SHALE | | DOMESTIC | 40.510802 | -80.964348 |
| 2270 | 92661 | LEE | 80 | 50 | | SHALE | | | 40.533324 | -80.973462 |
| 2271 | 891146 | LEE | 254 | 129.5 | 8/26/2000 | SHALE | 2 | DOMESTIC | 40.545220 | -80.975230 |
| 2272 | 902196 | LEE | 250 | 85 | 10/21/1999 | SHALE | 3 | DOMESTIC | 40.544560 | -80.973990 |
| 2273 | 891114 | LEE | 253 | 93 | 10/19/1999 | SHALE | | DOMESTIC | 40.543660 | -80.974160 |
| 2274 | 894285 | LEE | 205 | 80 | 8/29/2000 | SHALE | 5 | DOMESTIC | 40.536670 | -80.974000 |
| 2275 | 894260 | LEE | 230 | 80 | 8/20/1999 | SANDSTONE | 3 | DOMESTIC | 40.530050 | -80.975780 |
| 2276 | 883740 | LEE | 228 | 50 | 11/28/1998 | SHALE | 10 | DOMESTIC | 40.529950 | -80.975980 |
| 2277 | 963513 | LEE | 205 | 87 | 4/10/2004 | SANDSTONE | 6 | DOMESTIC | 40.529300 | -80.976130 |
| 2278 | 1008244 | LEE | 213 | 137 | 12/5/2008 | | | DOMESTIC | 40.534330 | -80.974670 |
| 2279 | 273738 | LEE | 114 | | | SHALE | | DOMESTIC | 40.519651 | -80.999934 |
| 2280 | 493725 | LEE | 144 | 85 | 9/10/1976 | SHALE | 24 | | 40.519703 | -81.000300 |
| 2281 | 241498 | LEE | 219 | 60 | | SHALE | 134 | DOMESTIC | 40.536867 | -80.959841 |
| 2282 | 2085229 | LEE | 280 | 154 | 3/12/2021 | SANDSTONE | | DOMESTIC | 40.535400 | -80.960170 |
| 2283 | 372005 | LEE | 186 | 70 | 3/28/1968 | SHALE | 186 | | 40.522623 | -81.002843 |
| 2284 | 738043 | LEE | 200 | 61 | 10/15/1992 | SANDSTONE | | DOMESTIC | 40.526106 | -81.023099 |
| 2285 | 738025 | LEE | 100 | 31 | 10/23/1991 | SHALE | | DOMESTIC | 40.525324 | -81.020561 |
| 2286 | 790931 | LEE | 100 | 59 | 4/18/1994 | SHALE | 16 | DOMESTIC | 40.524564 | -81.017754 |
| 2287 | 641773 | LEE | 104 | 61 | 5/27/1984 | SHALE | 7 | DOMESTIC | 40.522471 | -81.008837 |
| 2288 | 987615 | LEE | 316 | 122 | 10/4/2005 | | | DOMESTIC | 40.523000 | -81.003170 |
| 2289 | 568402 | LEE | 115 | 60 | 7/7/1980 | SAND | 75 | DOMESTIC | 40.508886 | -81.008409 |
| 2290 | 1015639 | LEE | 150 | 88 | 6/26/2015 | EXISTING WELL | | DOMESTIC | 40.510722 | -81.006423 |
| 2291 | 894294 | LEE | 305 | 138 | 3/14/2001 | SANDSTONE | 4 | DOMESTIC | 40.510570 | -81.006530 |
| 2292 | 877500 | LEE | 150 | 65 | 5/25/1999 | SANDSTONE | | DOMESTIC | 40.508540 | -81.008930 |
| 2293 | 930226 | LEE | 318 | 116 | 4/10/2002 | EXISTING WELL | | DOMESTIC | 40.506080 | -81.009140 |
| 2294 | 802755 | LEE | 150 | 18 | 10/26/1994 | SHALE | 3 | DOMESTIC | 40.514247 | -81.049557 |
| 2295 | 659076 | LEE | 145 | 91 | 6/8/1987 | SHALE | | DOMESTIC | 40.511884 | -81.045107 |
| 2296 | 2034878 | LEE | 150 | | 10/7/2011 | LIMESTONE | 16 | HEATING/COOLING | 40.511620 | -81.039380 |
| 2297 | 1005217 | LEE | 175 | | 6/7/2008 | SANDSTONE & SHALE | | DOMESTIC | 40.501670 | -81.039230 |
| 2298 | 1012473 | LEE | 66 | 13 | 9/3/2009 | | | DOMESTIC | 40.503060 | -81.035640 |
| 2299 | 963543 | LEE | 350 | 180 | 5/23/2006 | SANDSTONE | 2 | DOMESTIC | 40.501600 | -81.037300 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|--------------|--------------------|-------------------|
| 2300 | 712602 | LEE | 198 | 84 | 6/11/1990 | SHALE | 8 | DOMESTIC | 40.501135 | -81.037897 |
| 2301 | 3000792 | LEE | 452 | | 4/7/2022 | | | DRY/NO WATER | 40.502222 | -81.035278 |
| 2302 | 3000811 | LEE | 132 | 45 | 5/13/2022 | SHALE | 20 | DOMESTIC | 40.501389 | -81.035000 |
| 2303 | 894261 | LEE | 255 | 90 | 8/30/1999 | SHALE | 1 | DOMESTIC | 40.500970 | -81.025220 |
| 2304 | 894262 | LEE | 405 | 135 | 10/3/1999 | SHALE | 12 | DOMESTIC | 40.500970 | -81.025220 |
| 2305 | 797347 | LEE | 253 | 148 | 9/27/1995 | SHALE | 25 | DOMESTIC | 40.503273 | -81.021902 |
| 2306 | 877448 | LEE | 125 | 11 | 9/23/1998 | SHALE | 6 | DOMESTIC | 40.497155 | -81.003991 |
| 2307 | 613601 | LEE | 80 | 40 | 11/12/1983 | SHALE | 40 | DOMESTIC | 40.497308 | -81.001871 |
| 2308 | 877496 | LEE | 62 | 41 | 5/10/1999 | SHALE | 3 | DOMESTIC | 40.506920 | -81.023230 |
| 2309 | 490126 | LEE | 80 | 32 | 10/7/1975 | SHALE & SANDSTONE | 3 | DOMESTIC | 40.495781 | -81.052723 |
| 2310 | 1009781 | LEE | 155 | 80 | 5/19/2010 | SANDSTONE | | DOMESTIC | 40.491250 | -81.038650 |
| 2311 | 738014 | LEE | 150 | 32.5 | 10/10/1991 | SANDSTONE | | DOMESTIC | 40.494798 | -81.036862 |
| 2312 | 924880 | LEE | 230 | 42 | 3/25/2003 | SANDSTONE | | DOMESTIC | 40.496450 | -81.033770 |
| 2313 | 844939 | LEE | 380 | 80 | 6/11/1997 | SAND & ROCK | 5 | DOMESTIC | 40.534320 | -81.033850 |
| 2314 | 599251 | LEE | 180 | 50 | 2/25/1981 | CREVICE | 3 | DOMESTIC | 40.522191 | -80.979575 |
| 2315 | 370074 | LEE | 235 | 170 | 7/31/1979 | SHALE | 1 | DOMESTIC | 40.525646 | -80.996644 |
| 2316 | 747208 | LEE | 211 | 150 | 7/6/1993 | SAND & ROCK | 2 | DOMESTIC | 40.527693 | -80.995093 |
| 2317 | 693777 | LEE | 91 | 23 | 6/10/1988 | SHALE | 21 | DOMESTIC | 40.526238 | -80.994573 |
| 2318 | 955554 | LEE | 165 | 34 | 3/29/2003 | SHALE | 20 | DOMESTIC | 40.526630 | -80.994570 |
| 2319 | 866036 | LEE | 76 | 34 | 3/30/1999 | LIMESTONE | | DOMESTIC | 40.521730 | -80.980280 |
| 2320 | 624963 | LEE | 165 | 125 | 9/23/1986 | SHALE | | | 40.525372 | -80.988298 |
| 2321 | 493737 | LEE | 210 | 130 | 11/11/1976 | SAND | 10 | DOMESTIC | 40.521925 | -80.984808 |
| 2322 | 498027 | LEE | 75 | 50 | 9/11/1976 | SHALE | | DOMESTIC | 40.518511 | -80.976801 |
| 2323 | 747210 | LEE | 203 | 80 | 7/30/1993 | SHALE | | DOMESTIC | 40.520514 | -80.978782 |
| 2324 | 738022 | LEE | 250 | 67 | 10/16/1991 | SANDSTONE | | DOMESTIC | 40.518648 | -80.976708 |
| 2325 | 883309 | LEE | 264 | 68 | 9/24/1998 | SHALE | 2 | DOMESTIC | 40.518669 | -80.976698 |
| 2326 | 963529 | LEE | 230 | 50 | 4/26/2005 | | 2 | DOMESTIC | 40.484700 | -80.976350 |
| 2327 | 2074523 | LEE | 120 | 19 | 6/24/2019 | SHALE | | DOMESTIC | 40.549967 | -80.960747 |
| 2328 | 712603 | LEE | 198 | 61 | 6/16/1990 | SHALE | 4 | DOMESTIC | 40.522667 | -80.997849 |
| 2329 | 902268 | LEE | 50 | 19 | 11/2/2000 | SANDSTONE | | DOMESTIC | 40.523730 | -80.997710 |
| 2330 | 718762 | LEE | 89 | 50 | 9/10/1991 | SHALE | 16 | DOMESTIC | 40.530710 | -80.999169 |
| 2331 | 960516 | LEE | 200 | 65 | 9/3/2003 | SHALE | 4 | DOMESTIC | 40.530340 | -81.022760 |
| 2332 | 50479 | LEE | 70 | | 1/1/1951 | ROCK | 16 | DOMESTIC | 40.522234 | -81.006978 |
| 2333 | 50493 | LEE | 66 | | 7/25/1951 | ROCK | 20 | | 40.545584 | -81.033825 |
| 2334 | 89178 | LEE | 82 | 25 | | SHALE | 20 | | 40.547994 | -81.040736 |
| 2335 | 95931 | LEE | 143 | 52 | 6/18/1953 | SHALE | 19 | DOMESTIC | 40.528621 | -81.005973 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|--------------|-----------------------|----------|--------------------|-------------------|
| 2336 | 103406 | LEE | 48 | 30 | 4/8/1953 | SHALE | 30 | DOMESTIC | 40.549077 | -81.044234 |
| 2337 | 125968 | LEE | 155 | 115 | 10/1/1954 | SAND | | DOMESTIC | 40.532451 | -81.023654 |
| 2338 | 143588 | LEE | 122 | 25 | 8/15/1955 | SAND | 20 | | 40.550319 | -81.045808 |
| 2339 | 184955 | LEE | 158 | 100 | 5/9/1956 | SHALE | 30 | DOMESTIC | 40.517694 | -81.017794 |
| 2340 | 184957 | LEE | 182 | | 5/25/1956 | SHALE | 25 | DOMESTIC | 40.526769 | -81.025113 |
| 2341 | 186908 | LEE | 130 | 50 | 11/23/1956 | SHALE | 64 | DOMESTIC | 40.517989 | -81.021707 |
| 2342 | 186909 | LEE | 117 | 80 | 11/23/1956 | SHALE | 20 | DOMESTIC | 40.529593 | -81.024518 |
| 2343 | 186910 | LEE | 36 | 12 | 11/23/1956 | SHALE | 28 | DOMESTIC | 40.544640 | -81.026962 |
| 2344 | 186911 | LEE | 52 | 16 | 11/23/1956 | SAND | | | 40.512544 | -80.993033 |
| 2345 | 186922 | LEE | 76 | 18 | 2/1/1957 | SANDSTONE | 6 | DOMESTIC | 40.505191 | -80.977547 |
| 2346 | 186946 | LEE | 47 | 18 | | SHALE | | DOMESTIC | 40.546546 | -81.037406 |
| 2347 | 206060 | LEE | 110 | 80 | | SAND | | DOMESTIC | 40.507571 | -80.986587 |
| 2348 | 206075 | LEE | 104 | 78 | 12/3/1953 | SANDSTONE | 60 | DOMESTIC | 40.537066 | -81.026353 |
| 2349 | 213505 | LEE | 62 | 35 | 7/21/1958 | SAND | | DOMESTIC | 40.514205 | -80.993955 |
| 2350 | 213517 | LEE | 98 | 60 | 10/30/1958 | SHALE | 35 | DOMESTIC | 40.516548 | -80.995582 |
| 2351 | 239964 | LEE | 81 | 30 | 5/20/1961 | SHALE | 40 | DOMESTIC | 40.548636 | -81.043123 |
| 2352 | 239983 | LEE | 53 | 25 | 9/18/1962 | SHALE | 30 | DOMESTIC | 40.519719 | -81.001541 |
| 2353 | 239985 | LEE | 50 | 12 | 11/27/1962 | SHALE | | DOMESTIC | 40.501443 | -80.978583 |
| 2354 | 241474 | LEE | 225 | 125 | | SHALE | 65 | DOMESTIC | 40.528864 | -81.024854 |
| 2355 | 283027 | LEE | 37 | 19 | 9/26/1964 | FIRE CLAY | 6 | DOMESTIC | 40.515812 | -81.012518 |
| 2356 | 291066 | LEE | 105 | 60 | 2/28/1964 | SANDSTONE | 14 | | 40.548479 | -81.045221 |
| 2357 | 291076 | LEE | 75 | 35 | 10/3/1974 | LIMESTONE | 19 | | 40.548981 | -81.043434 |
| 2358 | 325773 | LEE | 80 | 42 | 12/19/1966 | SHALE | 5 | | 40.552704 | -81.051438 |
| 2359 | 339909 | LEE | 175 | 100 | 9/21/1965 | SHALE | 68 | | 40.524673 | -81.026530 |
| 2360 | 379797 | LEE | 355 | 140 | | SANDSTONE | 85 | DOMESTIC | 40.499609 | -80.972035 |
| 2361 | 394352 | LEE | 155 | 100 | 5/17/1969 | SHALE | | DOMESTIC | 40.523719 | -81.028317 |
| 2362 | 394368 | LEE | 120 | | 5/5/1970 | SHALE | | DOMESTIC | 40.525025 | -81.027542 |
| 2363 | 396671 | LEE | 112 | 70 | | SANDSTONE | 70 | DOMESTIC | 40.549044 | -81.044349 |
| 2364 | 400735 | LEE | 220 | 105 | 6/19/1970 | CLEANOUT | | | 40.520655 | -81.002813 |
| 2365 | 427257 | LEE | 175 | 140 | | SANDSTONE | | DOMESTIC | 40.522162 | -81.000399 |
| 2366 | 427537 | LEE | 45 | 26 | 1/20/1973 | CLAY & SHALE | | DOMESTIC | 40.515775 | -81.011307 |
| 2367 | 432422 | LEE | 84 | 50 | 5/11/1972 | SHALE | | DOMESTIC | 40.514534 | -80.994354 |
| 2368 | 455428 | LEE | 170 | 115 | 8/10/1973 | SAND | 4 | DOMESTIC | 40.518254 | -81.000821 |
| 2369 | 462298 | LEE | 260 | 140 | | SANDSTONE | 24 | | 40.494900 | -80.965261 |
| 2370 | 464223 | LEE | 240 | 100 | 3/22/1974 | SHALE | 15 | DOMESTIC | 40.517646 | -81.000179 |
| 2371 | 522677 | LEE | 218 | 125 | 9/9/1978 | SHALE | | DOMESTIC | 40.510024 | -80.989604 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|-----------------|--------------------|-------------------|
| 2372 | 2058898 | LEE | 180 | 58 | 8/17/2016 | SHALE | 2 | AGRIC/IRRIG | 40.495930 | -80.965880 |
| 2373 | 898767 | LEE | 80 | 54 | 8/26/1999 | SHALE | | DOMESTIC | 40.555350 | -81.053300 |
| 2374 | 679113 | LEE | 116 | 53 | 9/2/1988 | SHALE | 5 | DOMESTIC | 40.552861 | -81.049413 |
| 2375 | 716274 | LEE | 190 | 56 | 7/20/1991 | SANDSTONE | | DOMESTIC | 40.551115 | -81.048351 |
| 2376 | 716270 | LEE | 299 | 119 | 6/13/1991 | SANDSTONE | | DOMESTIC | 40.550932 | -81.048112 |
| 2377 | 730360 | LEE | 260 | 130 | 8/16/1991 | STONE | 7 | DOMESTIC | 40.551178 | -81.047235 |
| 2378 | 716326 | LEE | 148 | 30.5 | 10/29/1991 | SHALE | | DOMESTIC | 40.550337 | -81.047263 |
| 2379 | 2027941 | LEE | 179 | 29 | 7/1/2010 | SHALE | | DOMESTIC | 40.550270 | -81.044680 |
| 2380 | 609572 | LEE | 60 | 10 | 6/26/1982 | SHALE | 22 | DOMESTIC | 40.547493 | -81.042130 |
| 2381 | 902213 | LEE | 100 | 47 | 12/28/1999 | SHALE | 10 | DOMESTIC | 40.551280 | -81.048310 |
| 2382 | 601502 | LEE | 149 | 50 | 4/4/1981 | SHALE | 20 | | 40.549446 | -81.039895 |
| 2383 | 891117 | LEE | 259 | 78.5 | 11/6/1999 | SHALE | | DOMESTIC | 40.551250 | -81.048270 |
| 2384 | 641778 | LEE | 45 | 15 | 9/22/1986 | SHALE | | | 40.547160 | -81.041211 |
| 2385 | 766968 | LEE | 263 | 42 | 6/4/1993 | SHALE | | DOMESTIC | 40.547344 | -81.040944 |
| 2386 | 721718 | LEE | 148 | 27 | 7/7/1991 | SANDSTONE | 16 | DOMESTIC | 40.545814 | -81.036331 |
| 2387 | 955563 | LEE | 146 | 80 | 11/30/2003 | SHALE | 5 | DOMESTIC | 40.536000 | -81.025780 |
| 2388 | 642214 | LEE | 238 | 142 | 11/26/1984 | SHALE | | | 40.530409 | -81.024529 |
| 2389 | 1008103 | LEE | 130 | 40 | 3/30/2014 | | 5 | DOMESTIC | 40.528406 | -81.024397 |
| 2390 | 987618 | LEE | 253 | 116 | 10/15/2005 | | | DOMESTIC | 40.527170 | -81.025830 |
| 2391 | 1021426 | LEE | 206 | 98 | 9/18/2020 | EXISTING WELL | | DOMESTIC | 40.526259 | -81.026664 |
| 2392 | 641769 | LEE | 77 | 39 | 3/20/1984 | SHALE | 2 | DOMESTIC | 40.525148 | -81.026347 |
| 2393 | 839433 | LEE | 187 | 117 | 8/16/1996 | SHALE | | | 40.524780 | -81.027270 |
| 2394 | 894282 | LEE | 330 | 84 | 8/8/2000 | SHALE | 3 | DOMESTIC | 40.524838 | -81.027088 |
| 2395 | 641770 | LEE | 175 | 66 | 10/31/1984 | SANDSTONE | | DOMESTIC | 40.525025 | -81.027542 |
| 2396 | 802754 | LEE | 200 | 118 | 10/24/1994 | SANDSTONE | 8 | DOMESTIC | 40.524905 | -81.027694 |
| 2397 | 2074667 | LEE | 240 | 134 | 7/16/2019 | SHALE | 1 | DOMESTIC | 40.524898 | -81.027770 |
| 2398 | 829652 | LEE | 200 | 107 | 5/2/1996 | SHALE | 3 | PUBLIC/SEMI-PUB | 40.524510 | -81.026580 |
| 2399 | 1022535 | LEE | 266 | 113 | 6/25/2023 | SHALE | 4 | DOMESTIC | 40.523611 | -81.028056 |
| 2400 | 924893 | LEE | 305 | 40 | 7/5/2002 | SHALE & SANDSTONE | 25 | DOMESTIC | 40.520387 | -81.021451 |
| 2401 | 790965 | LEE | 150 | 61 | 8/23/1994 | SANDSTONE | 8 | DOMESTIC | 40.517890 | -81.019564 |
| 2402 | 790975 | LEE | 150 | 61 | 6/1/1994 | SANDSTONE | 8 | DOMESTIC | 40.517890 | -81.019564 |
| 2403 | 930210 | LEE | 320 | 175 | 8/29/2001 | OLD WELL | | DOMESTIC | 40.517031 | -81.017374 |
| 2404 | 1006071 | LEE | 142 | 100 | 6/10/2009 | SANDSTONE & SHALE | 7 | DOMESTIC | 40.517050 | -81.016717 |
| 2405 | 963548 | LEE | 195 | 135 | 7/20/2006 | SHALE | | DOMESTIC | 40.518823 | -81.014646 |
| 2406 | 747206 | LEE | 136 | 70 | 5/24/1993 | SHALE | 1 | DOMESTIC | 40.516346 | -81.008686 |
| 2407 | 718773 | LEE | 142 | 70 | 12/31/1991 | SHALE | | DOMESTIC | 40.516960 | -81.008045 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|--------------|-----------------------|-------------|--------------------|-------------------|
| 2408 | 866818 | LEE | 172 | 98 | 12/28/2000 | SANDSTONE | 2 | DOMESTIC | 40.517190 | -81.007880 |
| 2409 | 772461 | LEE | 167 | 130 | 10/11/1993 | SHALE | 76 | DOMESTIC | 40.517689 | -81.012580 |
| 2410 | 708595 | LEE | 335 | 133 | 4/28/1990 | SANDSTONE | | DOMESTIC | 40.519018 | -81.005185 |
| 2411 | 752303 | LEE | 375 | 125 | 8/24/1992 | SHALE | | DOMESTIC | 40.518865 | -81.005525 |
| 2412 | 829701 | LEE | 175 | 54 | 1/27/1997 | SHALE | 9 | DOMESTIC | 40.518865 | -81.005525 |
| 2413 | 653682 | LEE | 112 | 34 | 8/8/1988 | ROCK | 2 | DOMESTIC | 40.519739 | -81.004486 |
| 2414 | 2090110 | LEE | 140 | 19 | 12/13/2021 | LIMESTONE | 3 | DOMESTIC | 40.520420 | -81.002720 |
| 2415 | 877433 | LEE | 150 | 32 | 6/26/1998 | SANDSTONE | | DOMESTIC | 40.519956 | -81.003039 |
| 2416 | 924876 | LEE | 55 | 24 | 4/16/2003 | SANDSTONE | 10 | DOMESTIC | 40.519900 | -81.004350 |
| 2417 | 693780 | LEE | 83 | 30 | 12/18/1989 | SHALE | | DOMESTIC | 40.519317 | -81.002095 |
| 2418 | 963534 | LEE | 79 | 60 | 6/11/2005 | | 7 | DOMESTIC | 40.518847 | -81.001508 |
| 2419 | 721469 | LEE | 200 | 120 | 10/14/1991 | SANDSTONE | | DOMESTIC | 40.518789 | -81.001301 |
| 2420 | 1011738 | LEE | 250 | 101 | 7/17/2008 | SHALE | 3 | DOMESTIC | 40.501670 | -80.979620 |
| 2421 | 599281 | LEE | 175 | 125 | 10/13/1984 | SANDSTONE | 2 | DOMESTIC | 40.518074 | -81.000619 |
| 2422 | 1008091 | LEE | 305 | 75 | 11/12/2015 | SANDSTONE | | INDUSTRIAL | 40.517750 | -80.993030 |
| 2423 | 659088 | LEE | 128 | 79 | 7/20/1987 | SHALE | | DOMESTIC | 40.517335 | -80.996133 |
| 2424 | 693790 | LEE | 102 | 40 | 3/28/1990 | COAL | | DOMESTIC | 40.516592 | -80.995972 |
| 2425 | 902226 | LEE | 200 | 53 | 3/6/2000 | SHALE | 100 | DOMESTIC | 40.500690 | -80.978170 |
| 2426 | 1006068 | LEE | 307 | 128 | 7/13/2007 | SANDSTONE | 11 | DOMESTIC | 40.516467 | -80.995933 |
| 2427 | 578675 | LEE | 84 | 43 | 1/25/1982 | DUG WELL | | DOMESTIC | 40.514534 | -80.994354 |
| 2428 | 781593 | LEE | 252 | 157 | 12/7/1993 | SHALE | 3 | DOMESTIC | 40.514106 | -80.994838 |
| 2429 | 1008097 | LEE | 155 | 80 | 10/20/2014 | SANDSTONE | 6 | DOMESTIC | 40.510929 | -80.989238 |
| 2430 | 858510 | LEE | 278 | 104 | 8/9/1997 | SHALE | | AGRIC/IRRIG | 40.508449 | -80.987913 |
| 2431 | 2051380 | LEE | 180 | 100 | 3/24/2015 | SHALE | 31 | DOMESTIC | 40.499467 | -80.969674 |
| 2432 | 930568 | LEE | 322 | 95 | 10/12/2001 | SHALE | 5 | DOMESTIC | 40.499520 | -80.971460 |
| 2433 | 829645 | LEE | 125 | 31 | 4/6/1996 | SHALE | 3 | DOMESTIC | 40.499337 | -80.968241 |
| 2434 | 844355 | LEE | 150 | 77 | 11/3/1996 | SHALE | | DOMESTIC | 40.494314 | -80.962273 |
| 2435 | 2082871 | LEE | 180 | 45 | 10/23/2020 | SHALE | 1 | DOMESTIC | 40.552420 | -81.050050 |
| 2436 | 1019872 | LEE | 130 | 55 | 8/23/2018 | SANDSTONE | 5 | DOMESTIC | 40.554750 | -81.055460 |
| 2437 | 883332 | LEE | 125 | 11 | 10/15/2000 | SANDSTONE | | DOMESTIC | 40.548000 | -81.038000 |
| 2438 | 1021440 | LEE | 264 | 48 | 8/11/2021 | SANDSTONE | | DOMESTIC | 40.521363 | -81.026141 |
| 2439 | 894296 | LEE | 255 | | 10/24/2000 | SHALE | 12 | DOMESTIC | 40.509000 | -81.007500 |
| 2440 | 909963 | LEE | 172 | 118 | 9/3/2000 | SHALE | 24 | DOMESTIC | 40.512620 | -80.993230 |
| 2441 | 1019873 | LEE | 130 | 30 | 4/30/2018 | SANDSTONE | 12 | DOMESTIC | 40.521420 | -81.002490 |
| 2442 | 924881 | LEE | 55 | 30 | 1/13/2003 | SANDSTONE | 9 | DOMESTIC | 40.521550 | -81.003790 |
| 2443 | 781602 | LEE | 147 | 100 | 3/9/1994 | SHALE | 8 | DOMESTIC | 40.520044 | -80.999652 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|--------------|--------------------|-------------------|
| 2444 | 52703 | LOUDON | 85 | 20 | 11/12/1948 | SHALE | 15 | | 40.472851 | -81.011498 |
| 2445 | 474167 | LOUDON | 140 | 80 | 1/6/1975 | SHALE | 15 | DOMESTIC | 40.466450 | -81.001217 |
| 2446 | 528104 | LOUDON | 120 | 90 | 2/4/1980 | SHALE | 25 | DOMESTIC | 40.484337 | -80.981449 |
| 2447 | 394359 | LOUDON | 200 | 100 | 9/19/1969 | SHALE | 10 | DOMESTIC | 40.470384 | -81.000747 |
| 2448 | 394378 | LOUDON | 90 | 35 | 11/23/1970 | SHALE | 27 | DOMESTIC | 40.474168 | -81.003907 |
| 2449 | 449810 | LOUDON | 75 | 35 | 2/21/1973 | SHALE | 10 | DOMESTIC | 40.478802 | -81.007887 |
| 2450 | 568406 | LOUDON | 82 | 43 | 9/12/1980 | SAND | | DOMESTIC | 40.523378 | -81.001044 |
| 2451 | 1008219 | LOUDON | 125 | 12 | 2/24/2008 | SHALE | 4 | DOMESTIC | 40.483508 | -80.998337 |
| 2452 | 615946 | LOUDON | 103 | 42 | 1/12/1987 | SANDSTONE | 3 | DOMESTIC | 40.483456 | -81.002831 |
| 2453 | 790967 | LOUDON | 75 | 3 | 9/1/1994 | SHALE | 8 | DOMESTIC | 40.483015 | -81.001536 |
| 2454 | 641788 | LOUDON | 115 | 78 | 3/30/1987 | SHALE | | DOMESTIC | 40.481152 | -81.003110 |
| 2455 | 394372 | LOUDON | 95 | 45 | 7/4/1970 | SHALE | 3 | DOMESTIC | 40.465845 | -81.018288 |
| 2456 | 802814 | LOUDON | 150 | 30 | 7/27/1995 | SHALE | 4 | DOMESTIC | 40.464729 | -81.031611 |
| 2457 | 2039989 | LOUDON | 140 | 59 | 10/1/2012 | SANDSTONE | | DOMESTIC | 40.468010 | -81.030830 |
| 2458 | 902180 | LOUDON | 75 | 19 | 9/16/1999 | SHALE | 9 | DOMESTIC | 40.463520 | -81.013190 |
| 2459 | 2054531 | LOUDON | 235 | 57 | 9/29/2015 | SANDSTONE | 19 | DOMESTIC | 40.463718 | -81.020394 |
| 2460 | 493714 | LOUDON | 185 | 80 | 7/6/1976 | SHALE | 3 | | 40.483237 | -80.971787 |
| 2461 | 2041149 | LOUDON | 402 | 400 | 12/10/2012 | | 4 | DRY/NO WATER | 40.476823 | -80.985224 |
| 2462 | 2071074 | LOUDON | 140 | 64 | 10/30/2018 | SHALE | | DOMESTIC | 40.471104 | -80.999356 |
| 2463 | 3007850 | LOUDON | 260 | 136 | 5/9/2023 | SHALE | 2 | DOMESTIC | 40.479710 | -80.984060 |
| 2464 | 3014737 | LOUDON | 140 | 90 | 4/24/2024 | SHALE | | DOMESTIC | 40.480782 | -80.992274 |
| 2465 | 940728 | LOUDON | 200 | 72 | 6/13/2002 | SANDSTONE & SHALE | 1 | DOMESTIC | 40.484770 | -80.979900 |
| 2466 | 877450 | LOUDON | 150 | 63 | 9/30/1998 | SHALE | 3 | DOMESTIC | 40.484060 | -80.979630 |
| 2467 | 922493 | LOUDON | 125 | 26 | 11/16/2001 | LOAM | 6 | DOMESTIC | 40.485460 | -80.977390 |
| 2468 | 2069189 | LOUDON | 220 | 23 | 7/8/2018 | SHALE | 2 | AGRIC/IRRIG | 40.481340 | -80.980270 |
| 2469 | 902232 | LOUDON | 150 | 93 | 4/5/2000 | SHALE | 3 | AGRIC/IRRIG | 40.484070 | -80.977560 |
| 2470 | 474188 | LOUDON | 125 | | 8/16/1975 | SANDSTONE | | DOMESTIC | 40.490609 | -80.979943 |
| 2471 | 877492 | LOUDON | 250 | 64 | 4/22/1999 | SHALE | | DOMESTIC | 40.491710 | -80.977840 |
| 2472 | 3008852 | LOUDON | 180 | 44 | 6/20/2023 | SANDSTONE | 1 | DOMESTIC | 40.488320 | -80.978980 |
| 2473 | 598774 | LOUDON | 130 | 60 | 6/11/1982 | SHALE | | | 40.488684 | -80.980235 |
| 2474 | 892136 | LOUDON | 185 | 75 | 11/9/1999 | SANDSTONE | 2 | DOMESTIC | 40.491040 | -80.978550 |
| 2475 | 1014484 | LOUDON | 305 | 175 | 3/30/2012 | SANDSTONE | 3 | DOMESTIC | 40.486000 | -80.974500 |
| 2476 | 902243 | LOUDON | 150 | 47 | 6/16/2000 | ROCK | 3 | DOMESTIC | 40.485020 | -80.980490 |
| 2477 | 2078779 | LOUDON | 260 | 56 | 3/18/2020 | EXISTING WELL | | DOMESTIC | 40.484940 | -80.980310 |
| 2478 | 692981 | LOUDON | 165 | | 11/15/1989 | SHALE | | DOMESTIC | 40.579589 | -81.089752 |
| 2479 | 692982 | LOUDON | 165 | | 11/16/1989 | SHALE | | DOMESTIC | 40.579589 | -81.089752 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|------------|--------------------|-------------------|
| 2480 | 952362 | LOUDON | 250 | | 11/13/2002 | SHALE & SANDSTONE | 1 | DOMESTIC | 40.579589 | -81.089752 |
| 2481 | 49431 | LOUDON | 65 | 25 | 1/1/1948 | SHALE | 48 | | 40.470489 | -81.003157 |
| 2482 | 184952 | LOUDON | 64 | 30 | 4/7/1956 | SANDSTONE | | DOMESTIC | 40.474462 | -81.013579 |
| 2483 | 184979 | LOUDON | 100 | 30 | 10/5/1957 | SHALE | | DOMESTIC | 40.474941 | -81.014483 |
| 2484 | 186915 | LOUDON | 136 | 95 | 12/22/1956 | SAND | 28 | DOMESTIC | 40.481630 | -81.017228 |
| 2485 | 213511 | LOUDON | 99 | 60 | 9/12/1958 | SHALE | 32 | DOMESTIC | 40.483422 | -81.020388 |
| 2486 | 283028 | LOUDON | 93 | 49 | 9/21/1964 | SANDSTONE | 7 | | 40.479591 | -81.019294 |
| 2487 | 283033 | LOUDON | 101 | 64 | 12/7/1964 | SANDSTONE | 4 | DOMESTIC | 40.478648 | -81.018768 |
| 2488 | 312840 | LOUDON | 95 | 60 | 9/16/1966 | SHALE | 10 | DOMESTIC | 40.466086 | -81.002339 |
| 2489 | 318418 | LOUDON | 200 | 135 | 11/16/1964 | SHALE | | DOMESTIC | 40.467023 | -81.001493 |
| 2490 | 339910 | LOUDON | 235 | 170 | 9/29/1965 | SHALE | | DOMESTIC | 40.471517 | -81.004545 |
| 2491 | 340470 | LOUDON | 400 | 46 | 12/27/1966 | SHALE | | DOMESTIC | 40.474226 | -81.012890 |
| 2492 | 390906 | LOUDON | 103 | 50 | 3/30/1969 | COAL | 18 | | 40.479978 | -81.018165 |
| 2493 | 432428 | LOUDON | 95 | 60 | 6/1/1972 | SHALE | 6 | | 40.473688 | -81.011263 |
| 2494 | 449805 | LOUDON | 90 | 65 | 12/26/1972 | SHALE | 20 | | 40.479879 | -81.018279 |
| 2495 | 449825 | LOUDON | 180 | 84 | 7/24/1973 | SANDSTONE | 20 | DOMESTIC | 40.488878 | -81.020428 |
| 2496 | 474183 | LOUDON | 60 | | 6/30/1975 | SANDSTONE | 3 | DOMESTIC | 40.489282 | -81.019869 |
| 2497 | 641755 | LOUDON | 249 | 158 | 7/30/1983 | SANDSTONE | | DOMESTIC | 40.471517 | -81.004545 |
| 2498 | 802439 | LOUDON | 360 | 100 | 6/9/1995 | SANDSTONE | 115 | DOMESTIC | 40.482764 | -81.020223 |
| 2499 | 819084 | LOUDON | 100 | 40 | 8/8/1995 | SANDSTONE | 12 | DOMESTIC | 40.481975 | -81.022937 |
| 2500 | 2045440 | LOUDON | 175 | 122 | 11/9/2013 | SANDSTONE | 12 | DOMESTIC | 40.480433 | -81.018933 |
| 2501 | 500325 | LOUDON | 106 | 38 | 12/21/1976 | SHALE | 85 | | 40.479591 | -81.019294 |
| 2502 | 710131 | LOUDON | 84 | 46 | 4/10/1991 | SHALE | 12 | DOMESTIC | 40.479492 | -81.019260 |
| 2503 | 967764 | LOUDON | 270 | 70 | 9/8/2003 | CLEANOUT | 203 | DOMESTIC | 40.472830 | -81.009500 |
| 2504 | 963546 | LOUDON | 305 | 131 | 5/30/2006 | SHALE & SANDSTONE | 6 | DOMESTIC | 40.473690 | -81.012190 |
| 2505 | 766988 | LOUDON | 341 | 132 | 8/25/1993 | SHALE | 15 | INDUSTRIAL | 40.474114 | -81.012787 |
| 2506 | 866047 | LOUDON | 126 | 58 | 10/29/2000 | SANDSTONE | | DOMESTIC | 40.465770 | -81.002150 |
| 2507 | 1009776 | LOUDON | 160 | 39 | 8/25/2009 | SANDSTONE | 11 | DOMESTIC | 40.478483 | -81.018650 |
| 2508 | 957266 | LOUDON | 101 | 53 | 4/7/2003 | SHALE | 2 | DOMESTIC | 40.474080 | -81.012120 |
| 2509 | 291051 | LOUDON | 172 | 70 | 1/8/1963 | COAL | 50 | | 40.488285 | -81.008343 |
| 2510 | 394355 | LOUDON | 60 | 35 | | SANDSTONE | 5 | DOMESTIC | 40.484823 | -81.029224 |
| 2511 | 394392 | LOUDON | 127 | 85 | 9/24/1971 | SAND | 50 | DOMESTIC | 40.490973 | -81.003108 |
| 2512 | 474179 | LOUDON | 60 | 30 | 5/19/1975 | SHALE | | DOMESTIC | 40.484823 | -81.029224 |
| 2513 | 992596 | LOUDON | 225 | 49 | 4/4/2007 | SANDSTONE | | DOMESTIC | 40.479400 | -81.036880 |
| 2514 | 1004879 | LOUDON | 125 | 48 | 10/29/2010 | SANDSTONE | 5 | DOMESTIC | 40.485550 | -81.029583 |
| 2515 | 2007890 | LOUDON | 200 | 160 | 1/18/2007 | SHALE | 14 | DOMESTIC | 40.490560 | -81.017670 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|--------------|-----------------------|-------------|--------------------|-------------------|
| 2516 | 764548 | LOUDON | 150 | 78 | 2/9/1994 | SANDSTONE | | DOMESTIC | 40.490300 | -81.011018 |
| 2517 | 1006544 | LOUDON | 138 | 41 | 3/25/2015 | SANDSTONE | | DOMESTIC | 40.489000 | -81.005300 |
| 2518 | 802847 | LOUDON | 200 | 98 | 11/9/1995 | SHALE | 6 | AGRIC/IRRIG | 40.491596 | -80.998011 |
| 2519 | 902201 | LOUDON | 200 | 39 | 11/17/1999 | SHALE | 3 | DOMESTIC | 40.491190 | -80.977290 |
| 2520 | 866041 | LOUDON | 118 | 55 | 9/29/1999 | LIMESTONE | | DOMESTIC | 40.491790 | -80.977460 |
| 2521 | 942254 | LOUDON | 441 | 175 | 3/6/2002 | LIMESTONE | 3 | DOMESTIC | 40.487830 | -80.978480 |
| 2522 | 2061313 | LOUDON | 200 | 32 | 2/20/2017 | SANDSTONE | 5 | DOMESTIC | 40.490152 | -80.964430 |
| 2523 | 394356 | LOUDON | 95 | 50 | 9/12/1969 | SAND | | DOMESTIC | 40.473512 | -81.037144 |
| 2524 | 721713 | LOUDON | 82 | 21.5 | 6/27/1991 | SHALE | 13 | DOMESTIC | 40.471060 | -81.035926 |
| 2525 | 2083179 | LOUDON | 140 | 32 | 11/9/2020 | SHALE | 1 | DOMESTIC | 40.468960 | -81.034660 |
| 2526 | 738004 | LOUDON | 98 | 37 | 8/30/1991 | SANDSTONE | 15 | DOMESTIC | 40.466120 | -81.034283 |
| 2527 | 670249 | LOUDON | 97 | 59 | 10/22/1994 | SHALE | 3 | DOMESTIC | 40.466123 | -81.002299 |
| 2528 | 3012323 | LOUDON | 110 | 70 | 12/15/2023 | SHALE | 4 | DOMESTIC | 40.465850 | -81.002513 |
| 2529 | 716260 | LOUDON | 108 | 57 | 3/14/1991 | SHALE | | DOMESTIC | 40.465972 | -81.000765 |
| 2530 | 493365 | LOUDON | 104 | 50 | 5/31/1976 | SHALE | 2 | DOMESTIC | 40.469377 | -81.000962 |
| 2531 | 273747 | MONROE | 136 | 100 | 5/8/1963 | SHALE | | DOMESTIC | 40.579589 | -81.089752 |
| 2532 | 802777 | MONROE | 100 | | 3/3/1995 | SHALE | 3 | DOMESTIC | 40.570780 | -81.126944 |
| 2533 | 272471 | MONROE | 75 | 35 | 12/4/1961 | SHALE | | DOMESTIC | 40.579589 | -81.089752 |
| 2534 | 864278 | ORANGE | 338 | 96 | 11/22/1997 | SANDSTONE | 18 | DOMESTIC | 40.513707 | -81.090481 |
| 2535 | 507594 | ORANGE | 225 | 150 | 9/4/1979 | SAND | 10 | DOMESTIC | 40.513781 | -81.087599 |
| 2536 | 429280 | ORANGE | 138 | 65 | 8/12/1972 | SHALE | 18 | DOMESTIC | 40.579589 | -81.089752 |
| 2537 | 186932 | PERRY | 80 | 30 | 5/14/1957 | SHALE | | DOMESTIC | 40.492960 | -81.073354 |
| 2538 | 318416 | PERRY | 150 | 70 | | SHALE | | DOMESTIC | 40.492960 | -81.073354 |
| 2539 | 318417 | PERRY | 85 | 60 | 11/7/1964 | SHALE | 40 | DOMESTIC | 40.492960 | -81.073354 |
| 2540 | 474151 | PERRY | 80 | 60 | 6/17/1974 | SHALE | | DOMESTIC | 40.480448 | -81.073666 |
| 2541 | 622403 | PERRY | 115 | 92 | 8/30/1982 | SANDSTONE | | DOMESTIC | 40.486007 | -81.072655 |
| 2542 | 641764 | PERRY | 82 | 41 | 11/11/1983 | SANDSTONE | 2 | DOMESTIC | 40.487197 | -81.072723 |
| 2543 | 609589 | PERRY | 119 | 77 | 5/12/1985 | SHALE | 24 | DOMESTIC | 40.485399 | -81.072566 |
| 2544 | 987597 | PERRY | 159 | 82 | 5/25/2005 | | | DOMESTIC | 40.481090 | -81.073250 |
| 2545 | 987628 | PERRY | 162 | 85 | 12/17/2005 | SANDSTONE | | DOMESTIC | 40.484008 | -81.073004 |
| 2546 | 766996 | PERRY | 78 | 26 | 10/2/1993 | SANDSTONE | 66 | DOMESTIC | 40.483173 | -81.072528 |
| 2547 | 790969 | PERRY | 175 | 72 | 9/26/1994 | OLD WELL | | DOMESTIC | 40.482087 | -81.073583 |
| 2548 | 799293 | PERRY | 119 | 76.5 | 10/13/1994 | SHALE | | DOMESTIC | 40.480529 | -81.073929 |
| 2549 | 340492 | PERRY | 41 | 18 | 9/16/1968 | SANDSTONE | 20 | DOMESTIC | 40.481808 | -81.077102 |
| 2550 | 443601 | PERRY | 90 | 50 | 8/30/1972 | SANDSTONE | 3 | DOMESTIC | 40.479513 | -81.064726 |
| 2551 | 875619 | PERRY | 238 | 56 | 8/3/1998 | SHALE | 10 | DOMESTIC | 40.476720 | -81.046560 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|-------------|--------------------|-------------------|
| 2552 | 891136 | PERRY | 223 | 82 | 5/28/2000 | SHALE | 2 | DOMESTIC | 40.474580 | -81.041810 |
| 2553 | 394387 | PERRY | 70 | 33 | 7/15/1971 | SHALE | 18 | DOMESTIC | 40.579589 | -81.089752 |
| 2554 | 265594 | PERRY | 89 | 30 | | SHALE | 15 | DOMESTIC | 40.579589 | -81.089752 |
| 2555 | 492530 | PERRY | 127 | 54 | 9/13/1992 | SANDSTONE | | DOMESTIC | 40.579589 | -81.089752 |
| 2556 | 875640 | PERRY | 354 | 159 | 11/5/1998 | SANDSTONE | 2 | AGRIC/IRRIG | 40.469160 | -81.056775 |
| 2557 | 283035 | PERRY | 146 | 128 | 12/21/1964 | SHALE | 8 | | 40.490584 | -81.090840 |
| 2558 | 716340 | PERRY | 164 | 97 | 2/4/1992 | SHALE | | DOMESTIC | 40.490677 | -81.091010 |
| 2559 | 1008102 | PERRY | 255 | 88 | 4/18/2014 | | 13 | DOMESTIC | 40.494985 | -81.082465 |
| 2560 | 612611 | PERRY | 196 | 28 | 8/19/1983 | SHALE | 4 | | 40.494009 | -81.054042 |
| 2561 | 844373 | PERRY | 75 | 39 | 8/13/1997 | SHALE | 10 | DOMESTIC | 40.491338 | -81.053748 |
| 2562 | 891090 | PERRY | 135 | 50 | 5/14/1999 | SANDSTONE | 114 | AGRIC/IRRIG | 40.496940 | -81.054850 |
| 2563 | 891111 | PERRY | 138 | 46 | 10/7/1999 | SHALE | 2 | DOMESTIC | 40.496940 | -81.054850 |
| 2564 | 894284 | PERRY | 120 | 60 | 8/2/2000 | SANDSTONE | 4 | DOMESTIC | 40.493740 | -81.053240 |
| 2565 | 797349 | PERRY | 135 | 55 | 10/12/1995 | SANDSTONE | 38 | DOMESTIC | 40.487655 | -81.053223 |
| 2566 | 1008580 | PERRY | 106 | 81 | 7/3/2009 | SANDSTONE | 18 | DOMESTIC | 40.479830 | -81.045900 |
| 2567 | 2087089 | PERRY | 300 | 149 | 6/29/2021 | SANDSTONE | | DOMESTIC | 40.483960 | -81.044720 |
| 2568 | 939306 | PERRY | 139 | 50 | 7/25/2002 | SHALE | | DOMESTIC | 40.487500 | -81.051950 |
| 2569 | 924863 | PERRY | 115 | 32 | 9/14/2001 | SHALE | 6 | DOMESTIC | 40.487668 | -81.050971 |
| 2570 | 924879 | PERRY | 130 | 70 | 3/26/2003 | SANDSTONE & SHALE | 11 | DOMESTIC | 40.488523 | -81.047668 |
| 2571 | 1019138 | PERRY | 125 | 70 | 3/14/2019 | SANDSTONE | 9 | AGRIC/IRRIG | 40.487369 | -81.045713 |
| 2572 | 679141 | PERRY | 123 | 56 | 12/3/1988 | CLAY & SHALE | | | 40.470312 | -81.055172 |
| 2573 | 891175 | PERRY | 354 | 171 | 2/25/2000 | SHALE | 2 | AGRIC/IRRIG | 40.472200 | -81.056970 |
| 2574 | 476237 | PERRY | 115 | 90 | 9/2/1975 | SANDSTONE | 15 | DOMESTIC | 40.482658 | -81.067890 |
| 2575 | 599262 | PERRY | 85 | 60 | 6/2/1982 | SHALE | 3 | DOMESTIC | 40.479947 | -81.069466 |
| 2576 | 1011737 | PERRY | 250 | 127 | 8/12/2008 | SHALE | 3 | DOMESTIC | 40.483420 | -81.066610 |
| 2577 | 825440 | ROSE | 200 | 181 | 7/18/1996 | SHALE | | | 40.616937 | -81.108082 |
| 2578 | 89172 | UNION | 140 | 40 | 11/24/1951 | SHALE | 45 | DOMESTIC | 40.542216 | -81.114759 |
| 2579 | 213513 | UNION | 75 | 50 | 10/10/1958 | SHALE | 35 | DOMESTIC | 40.556180 | -81.055695 |
| 2580 | 368402 | UNION | 135 | 61 | 12/6/1967 | SHALE | 5 | | 40.543961 | -81.082759 |
| 2581 | 392691 | UNION | 74 | 12 | 9/20/1971 | SHALE | 46 | DOMESTIC | 40.551396 | -81.084856 |
| 2582 | 400727 | UNION | 90 | 35 | 5/5/1970 | SHALE | 3 | DOMESTIC | 40.524547 | -81.074444 |
| 2583 | 429261 | UNION | 75 | 45 | 3/8/1972 | SHALE | 30 | DOMESTIC | 40.498994 | -81.076094 |
| 2584 | 429262 | UNION | 135 | 70 | 3/25/1972 | SHALE | 20 | DOMESTIC | 40.501965 | -81.078704 |
| 2585 | 429287 | UNION | 45 | 28 | 9/13/1972 | SHALE | 19 | DOMESTIC | 40.495815 | -81.074825 |
| 2586 | 528122 | UNION | 170 | 145 | 2/8/1980 | SHALE | 2 | DOMESTIC | 40.545493 | -81.083836 |
| 2587 | 546124 | UNION | 100 | 60 | 10/10/1978 | SHALE | 21 | DOMESTIC | 40.531988 | -81.075955 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|---------------|-----------------------|-----------------|--------------------|-------------------|
| 2588 | 948565 | UNION | 188 | | 2/6/2003 | SHALE | 3 | HEATING/COOLING | 40.568590 | -81.084910 |
| 2589 | 883342 | UNION | 130 | 45 | 3/9/2000 | SHALE | 1 | DOMESTIC | 40.557436 | -81.086619 |
| 2590 | 883310 | UNION | 70 | 21 | 12/4/1998 | SHALE | 35 | DOMESTIC | 40.554660 | -81.085950 |
| 2591 | 480415 | UNION | 50 | 16 | 8/23/1975 | SHALE | 35 | DOMESTIC | 40.551925 | -81.085301 |
| 2592 | 500324 | UNION | 85 | 35 | 12/13/1976 | SHALE | 4 | DOMESTIC | 40.551057 | -81.085549 |
| 2593 | 930238 | UNION | 137 | 85 | 7/18/2002 | CLEANOUT | 110 | DOMESTIC | 40.553670 | -81.084830 |
| 2594 | 1015643 | UNION | 92 | 44 | 7/22/2016 | EXISTING WELL | | DOMESTIC | 40.548889 | -81.082778 |
| 2595 | 1019149 | UNION | 150 | 50 | 11/14/2017 | SANDSTONE | 8 | DOMESTIC | 40.546794 | -81.080963 |
| 2596 | 528119 | UNION | 84 | 60 | 2/8/1980 | SHALE | 38 | DOMESTIC | 40.547871 | -81.082774 |
| 2597 | 781608 | UNION | 320 | 31 | 4/27/1994 | FILL MATERIAL | | DOMESTIC | 40.546785 | -81.082821 |
| 2598 | 858543 | UNION | 361 | 242 | 3/3/1998 | SHALE | | DOMESTIC | 40.542140 | -81.083510 |
| 2599 | 1015651 | UNION | 115 | 48 | 7/25/2014 | SANDSTONE | 1 | DOMESTIC | 40.545333 | -81.084250 |
| 2600 | 930218 | UNION | 195 | 120 | 11/1/2001 | CLEANOUT | | DOMESTIC | 40.541980 | -81.083440 |
| 2601 | 802760 | UNION | 150 | 43 | 11/9/1994 | SHALE | 3 | DOMESTIC | 40.540803 | -81.082284 |
| 2602 | 955617 | UNION | 225 | 130 | 5/25/2003 | SHALE | 1 | DOMESTIC | 40.540500 | -81.082830 |
| 2603 | 612642 | UNION | 180 | 120 | 7/30/1984 | SANDSTONE | | DOMESTIC | 40.544416 | -81.085360 |
| 2604 | 493701 | UNION | 93 | 40 | 4/16/1976 | SAND | 2 | DOMESTIC | 40.533792 | -81.078575 |
| 2605 | 612624 | UNION | 233 | 99 | 11/7/1983 | SHALE | | DOMESTIC | 40.533792 | -81.078575 |
| 2606 | 599265 | UNION | 55 | 35 | 7/26/1982 | SHALE | 8 | DOMESTIC | 40.532592 | -81.078210 |
| 2607 | 488378 | UNION | 141 | 105 | 4/1/1976 | SHALE | 8 | DOMESTIC | 40.532150 | -81.078774 |
| 2608 | 877501 | UNION | 200 | 69 | 5/25/1999 | SHALE | 6 | DEWATERING | 40.538450 | -81.080910 |
| 2609 | 2030326 | UNION | 160 | 83 | 12/4/2010 | SHALE | 3 | DOMESTIC | 40.532410 | -81.078950 |
| 2610 | 1014633 | UNION | 186 | 126 | 5/11/2011 | | | AGRIC/IRRIG | 40.528317 | -81.080767 |
| 2611 | 963517 | UNION | | | 8/15/2004 | OLD WELL | | DOMESTIC | 40.524880 | -81.077450 |
| 2612 | 716321 | UNION | 166 | 108 | 11/7/1990 | SANDSTONE | 5 | DOMESTIC | 40.522948 | -81.074137 |
| 2613 | 963537 | UNION | 255 | 120 | 7/15/2005 | | 10 | DOMESTIC | 40.524340 | -81.076010 |
| 2614 | 1015652 | UNION | 220 | 131 | 7/19/2014 | SANDSTONE | | DOMESTIC | 40.520889 | -81.073417 |
| 2615 | 522437 | UNION | 210 | 147 | 5/9/1978 | SANDSTONE | 4 | DOMESTIC | 40.519774 | -81.072888 |
| 2616 | 2036315 | UNION | 175 | 62 | 1/23/2012 | SHALE | | DOMESTIC | 40.529722 | -81.083333 |
| 2617 | 829668 | UNION | 150 | 32 | 7/30/1996 | SANDSTONE | | DOMESTIC | 40.510699 | -81.072230 |
| 2618 | 932487 | UNION | 165 | 80 | 8/17/2002 | EXISTING WELL | | DOMESTIC | 40.502000 | -81.076670 |
| 2619 | 622407 | UNION | 121 | 70 | 10/15/1982 | SHALE | | DOMESTIC | 40.496724 | -81.073795 |
| 2620 | 844363 | UNION | 100 | 45 | 4/4/1997 | SHALE | 5 | DOMESTIC | 40.496329 | -81.076075 |
| 2621 | 924855 | UNION | 150 | 72 | 6/9/2001 | SANDSTONE | 1 | DOMESTIC | 40.495460 | -81.075290 |
| 2622 | 1022539 | UNION | 134 | 56 | 11/15/2023 | SANDSTONE | 11 | DOMESTIC | 40.495192 | -81.069969 |
| 2623 | 757236 | UNION | 130 | 90 | 11/5/1992 | SANDSTONE | | DOMESTIC | 40.487183 | -81.072541 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|--------------|-----------------------|-------------|--------------------|-------------------|
| 2624 | 125978 | UNION | 55 | 30 | 5/4/1955 | SHALE | 12 | DOMESTIC | 40.557791 | -81.125753 |
| 2625 | 239980 | UNION | 105 | 75 | 6/12/1962 | SAND | 65 | DOMESTIC | 40.558388 | -81.123685 |
| 2626 | 239987 | UNION | 106 | 25 | 5/25/1963 | SHALE | 40 | DOMESTIC | 40.554465 | -81.126145 |
| 2627 | 283019 | UNION | 100 | 32 | 4/15/1964 | SANDSTONE | 3 | | 40.558388 | -81.123685 |
| 2628 | 387855 | UNION | 95 | 50 | 11/12/1968 | SHALE | 90 | DOMESTIC | 40.558388 | -81.123685 |
| 2629 | 424386 | UNION | 99 | 56 | 10/15/1971 | SHALE | 4 | | 40.558388 | -81.123685 |
| 2630 | 370098 | UNION | 235 | 150 | 1/16/1980 | SILTSTONE | 95 | | 40.558388 | -81.123685 |
| 2631 | 534180 | UNION | 141 | 64 | 2/7/1980 | SHALE | | DOMESTIC | 40.558388 | -81.123685 |
| 2632 | 643625 | UNION | 291 | 175 | 6/11/1985 | SHALE | | DOMESTIC | 40.558388 | -81.123685 |
| 2633 | 695834 | UNION | 296 | 173 | 6/17/1989 | SHALE | | DOMESTIC | 40.558703 | -81.125111 |
| 2634 | 1008204 | UNION | 298 | 178 | 9/25/2007 | SHALE | 296 | DOMESTIC | 40.558500 | -81.124667 |
| 2635 | 635645 | UNION | 125 | 70 | 10/6/1986 | CLEANOUT | | DOMESTIC | 40.552934 | -81.125133 |
| 2636 | 781598 | UNION | 142 | 54 | 1/21/1994 | SHALE | | AGRIC/IRRIG | 40.552834 | -81.124907 |
| 2637 | 930275 | UNION | 149 | 75 | 1/14/2003 | SANDSTONE | 2 | AGRIC/IRRIG | 40.565710 | -81.123240 |
| 2638 | 987603 | UNION | 142 | 60 | 7/18/2005 | | | DOMESTIC | 40.552670 | -81.125500 |
| 2639 | 2000828 | UNION | 300 | 104 | 12/22/2005 | SHALE | 3 | DOMESTIC | 40.565490 | -81.123820 |
| 2640 | 2076160 | UNION | 172 | 97 | 10/1/2019 | SANDSTONE | 1 | DOMESTIC | 40.556667 | -81.125667 |
| 2641 | 858536 | UNION | 297 | 123 | 12/4/1997 | SHALE | | DOMESTIC | 40.556990 | -81.085390 |
| 2642 | 942169 | UNION | 120 | 63 | 10/15/2002 | CLAY & SHALE | | DOMESTIC | 40.558060 | -81.082780 |
| 2643 | 1015632 | UNION | 115 | 38 | 10/29/2012 | SANDSTONE | 1 | DOMESTIC | 40.557361 | -81.078972 |
| 2644 | 891172 | UNION | 340 | 102 | 3/25/2000 | SHALE | 2 | DOMESTIC | 40.558120 | -81.079830 |
| 2645 | 368401 | UNION | 60 | 24 | 10/26/1967 | SAND | | | 40.512182 | -81.096269 |
| 2646 | 644401 | UNION | 118 | 97 | 5/31/1984 | SHALE | | DOMESTIC | 40.511923 | -81.075295 |
| 2647 | 500336 | UNION | 106 | 63 | 4/11/1977 | SANDSTONE | 3 | DOMESTIC | 40.511849 | -81.073373 |
| 2648 | 635609 | UNION | 147 | 95 | 5/10/1986 | SANDSTONE | 3 | DOMESTIC | 40.515959 | -81.066834 |
| 2649 | 839118 | UNION | 112 | 72 | 11/3/1997 | SANDSTONE | | DOMESTIC | 40.560270 | -81.127200 |
| 2650 | 942152 | UNION | 120 | 70 | 1/29/2002 | CLEANOUT | 112 | DOMESTIC | 40.556000 | -81.123170 |
| 2651 | 860202 | UNION | 100 | 80 | 9/6/1997 | SANDSTONE | 10 | DOMESTIC | 40.558244 | -81.129415 |
| 2652 | 868894 | UNION | 80 | | 7/8/1998 | SHALE | 7 | DOMESTIC | 40.559490 | -81.127720 |
| 2653 | 942162 | UNION | 100 | 57 | 8/2/2002 | SANDSTONE | | DOMESTIC | 40.559250 | -81.128120 |
| 2654 | 103449 | UNION | 120 | 35 | 5/15/1954 | SAND | 65 | DOMESTIC | 40.529005 | -81.094057 |
| 2655 | 106410 | UNION | 160 | 65 | 5/30/1953 | SHALE | 45 | DOMESTIC | 40.529005 | -81.094057 |
| 2656 | 125960 | UNION | 60 | 20 | 7/14/1954 | SHALE | 25 | | 40.540391 | -81.056222 |
| 2657 | 125972 | UNION | 15 | 15 | 3/31/1955 | SAND | | DOMESTIC | 40.538627 | -81.067717 |
| 2658 | 160101 | UNION | 38 | 15 | 9/2/1955 | SHALE | 18 | DOMESTIC | 40.538400 | -81.061465 |
| 2659 | 160129 | UNION | 80 | 45 | | SAND | 30 | DOMESTIC | 40.522576 | -81.099826 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|----------|--------------------|-------------------|
| 2660 | 325772 | UNION | 219 | 131 | 12/12/1966 | SAND | 8 | | 40.533610 | -81.088040 |
| 2661 | 340479 | UNION | 110 | 72 | 8/7/1967 | SHALE | 2 | | 40.524813 | -81.099952 |
| 2662 | 392670 | UNION | 69 | 18 | 7/23/1970 | SHALE | | | 40.539044 | -81.060595 |
| 2663 | 411974 | UNION | 119 | 50 | 3/2/1971 | SHALE | 102 | DOMESTIC | 40.539548 | -81.059122 |
| 2664 | 427544 | UNION | 60 | 30 | 4/23/1973 | LIMESTONE | | DOMESTIC | 40.537996 | -81.084195 |
| 2665 | 507551 | UNION | 110 | 80 | 5/20/1977 | SHALE | 38 | DOMESTIC | 40.531989 | -81.091940 |
| 2666 | 507562 | UNION | 200 | 100 | 12/6/1977 | SHALE | 27 | DOMESTIC | 40.531518 | -81.090025 |
| 2667 | 509477 | UNION | 192 | 140 | 10/11/1977 | SHALE | 15 | DOMESTIC | 40.530554 | -81.090665 |
| 2668 | 617331 | UNION | 247 | 84 | 12/26/1985 | SHALE | | | 40.525010 | -81.099970 |
| 2669 | 643636 | UNION | 238 | 164 | 8/10/1985 | SHALE | 2 | DOMESTIC | 40.539754 | -81.074954 |
| 2670 | 903788 | UNION | 252 | 190 | 2/23/2000 | SAND & ROCK | 190 | DOMESTIC | 40.529700 | -81.094240 |
| 2671 | 599258 | UNION | 90 | 50 | 10/10/1981 | SANDSTONE | 12 | DOMESTIC | 40.527579 | -81.095817 |
| 2672 | 891127 | UNION | 261 | 190 | 1/14/2000 | SAND & ROCK | 197 | DOMESTIC | 40.529830 | -81.094090 |
| 2673 | 1015654 | UNION | 175 | 89 | 10/11/2014 | SANDSTONE | 1 | DOMESTIC | 40.529167 | -81.099444 |
| 2674 | 3006037 | UNION | 300 | 152 | 1/27/2023 | SHALE | 17 | DOMESTIC | 40.530630 | -81.093750 |
| 2675 | 716344 | UNION | 264 | 160 | 3/5/1992 | CLEANOUT | | DOMESTIC | 40.530124 | -81.092261 |
| 2676 | 987617 | UNION | 206 | 122 | 10/6/2005 | | | DOMESTIC | 40.530830 | -81.093500 |
| 2677 | 766964 | UNION | 259 | 179 | 5/19/1993 | SANDSTONE | | DOMESTIC | 40.526006 | -81.099112 |
| 2678 | 522439 | UNION | 210 | 154 | 5/22/1978 | SHALE | | DOMESTIC | 40.529903 | -81.092375 |
| 2679 | 930214 | UNION | 278 | 193 | 10/4/2001 | CLEANOUT | 234 | DOMESTIC | 40.530655 | -81.090896 |
| 2680 | 1008223 | UNION | 282 | 172 | 5/23/2008 | SHALE | | | 40.524880 | -81.099699 |
| 2681 | 839427 | UNION | 267 | 192 | 6/29/1996 | CLEANOUT | | DOMESTIC | 40.534652 | -81.087678 |
| 2682 | 671509 | UNION | 218 | 107 | 10/30/1987 | SHALE | 4 | DOMESTIC | 40.535953 | -81.085447 |
| 2683 | 930209 | UNION | 265 | 88 | 8/16/2001 | OLD WELL | | DOMESTIC | 40.518756 | -81.101233 |
| 2684 | 450569 | UNION | 306 | 108 | 7/17/1973 | SHALE | 2 | | 40.537618 | -81.085867 |
| 2685 | 679117 | UNION | 357 | 160 | 9/10/1988 | SHALE | | DOMESTIC | 40.536957 | -81.085761 |
| 2686 | 2025700 | UNION | 259 | 130 | 1/6/2010 | SHALE | | DOMESTIC | 40.538167 | -81.085333 |
| 2687 | 750758 | UNION | 125 | 41 | 9/15/1992 | SANDSTONE | 12 | DOMESTIC | 40.538049 | -81.085122 |
| 2688 | 858903 | UNION | 275 | 196 | 7/29/1997 | SHALE | 7 | DOMESTIC | 40.538524 | -81.073558 |
| 2689 | 643640 | UNION | 299 | 124 | 9/16/1985 | SHALE | 4 | DOMESTIC | 40.539768 | -81.072115 |
| 2690 | 866806 | UNION | 142 | 76 | 12/9/1999 | SHALE | 6 | DOMESTIC | 40.538910 | -81.072290 |
| 2691 | 924852 | UNION | 180 | 40 | 4/25/2001 | SHALE & SANDSTONE | 6 | DOMESTIC | 40.537670 | -81.066330 |
| 2692 | 963528 | UNION | 300 | 30 | 4/15/2005 | | 4 | DOMESTIC | 40.539419 | -81.065435 |
| 2693 | 2005283 | UNION | 105 | 30 | 8/23/2006 | SHALE | 11 | DOMESTIC | 40.539183 | -81.068183 |
| 2694 | 2007160 | UNION | 105 | 30 | 8/23/2006 | SHALE | 11 | DOMESTIC | 40.539183 | -81.068183 |
| 2695 | 753171 | UNION | 212 | 30 | 3/10/1995 | SHALE | | DOMESTIC | 40.538961 | -81.060944 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|----------|--------------------|-------------------|
| 2696 | 866801 | UNION | 160 | 60 | 6/1/1998 | SHALE | | DOMESTIC | 40.540343 | -81.055841 |
| 2697 | 480422 | UNION | 50 | 20 | 10/15/1975 | CLAY & SHALE | 15 | DOMESTIC | 40.551074 | -81.112814 |
| 2698 | 578662 | UNION | 157 | 81 | 10/20/1981 | SHALE | | DOMESTIC | 40.556160 | -81.103655 |
| 2699 | 507568 | UNION | 95 | | 5/26/1978 | SHALE | | DOMESTIC | 40.556160 | -81.103655 |
| 2700 | 624956 | UNION | 88 | 57 | 7/21/1986 | SANDSTONE | | | 40.552999 | -81.105843 |
| 2701 | 716277 | UNION | 179 | 104 | 7/25/1991 | SHALE | 12 | DOMESTIC | 40.555729 | -81.106066 |
| 2702 | 653695 | UNION | 52 | 27 | 11/21/1988 | LIMESTONE | 22 | DOMESTIC | 40.550986 | -81.112258 |
| 2703 | 464237 | UNION | 86 | 57 | 7/10/1974 | SAND | 4 | DOMESTIC | 40.556117 | -81.083894 |
| 2704 | 477480 | UNION | 86 | 44 | 1/29/1976 | SHALE | 3 | DOMESTIC | 40.555426 | -81.082978 |
| 2705 | 858524 | UNION | 112 | 54 | 10/2/1997 | SHALE | | DOMESTIC | 40.555480 | -81.083240 |
| 2706 | 500322 | UNION | 142 | 100 | 12/9/1976 | SHALE | | DOMESTIC | 40.554595 | -81.083698 |
| 2707 | 764544 | UNION | 150 | | 12/13/1993 | SHALE | 8 | DOMESTIC | 40.554623 | -81.083222 |
| 2708 | 747181 | UNION | 248 | 160 | 4/25/1992 | SHALE | | DOMESTIC | 40.642495 | -81.080299 |
| 2709 | 2071471 | UNION | 140 | 47 | 12/14/2018 | SHALE | 2 | DOMESTIC | 40.556060 | -81.082470 |
| 2710 | 493747 | UNION | 78 | 38 | 2/13/1977 | SHALE | 3 | | 40.555942 | -81.081874 |
| 2711 | 635624 | UNION | 80 | 33 | 6/26/1986 | SHALE | | DOMESTIC | 40.555942 | -81.081874 |
| 2712 | 103432 | UNION | 161 | 120 | 10/28/1953 | SAND | 18 | DOMESTIC | 40.547765 | -81.073703 |
| 2713 | 356173 | UNION | 54 | 18 | 6/19/1967 | SAND | | DOMESTIC | 40.538484 | -81.069578 |
| 2714 | 449833 | UNION | 61 | 40 | 10/11/1973 | SHALE | | DOMESTIC | 40.531014 | -81.065564 |
| 2715 | 474200 | UNION | 50 | 30 | 1/9/1976 | SHALE | 30 | DOMESTIC | 40.552979 | -81.075914 |
| 2716 | 493354 | UNION | 50 | 30 | 3/23/1976 | SHALE | 12 | DOMESTIC | 40.553116 | -81.076922 |
| 2717 | 493709 | UNION | 57 | 29 | 6/14/1976 | SHALE | 4 | DOMESTIC | 40.557316 | -81.076797 |
| 2718 | 599274 | UNION | 95 | 50 | 5/20/1983 | SANDSTONE | | DOMESTIC | 40.562744 | -81.078694 |
| 2719 | 821177 | UNION | 200 | | 7/20/1995 | SHALE | 18 | DOMESTIC | 40.557516 | -81.078614 |
| 2720 | 1014648 | UNION | 239 | 106 | 12/20/2011 | SHALE | 3 | DOMESTIC | 40.557767 | -81.077250 |
| 2721 | 938962 | UNION | 120 | 35 | 10/23/2002 | SHALE | 3 | DOMESTIC | 40.556570 | -81.079270 |
| 2722 | 924871 | UNION | 105 | 63 | 10/2/2003 | SANDSTONE & SHALE | | DOMESTIC | 40.551730 | -81.076470 |
| 2723 | 955604 | UNION | 155 | 93 | 10/8/2002 | SHALE | | DOMESTIC | 40.554166 | -81.074166 |
| 2724 | 1006571 | UNION | 145 | 89 | 11/5/2005 | SHALE | | DOMESTIC | 40.556940 | -81.079170 |
| 2725 | 599270 | UNION | 69 | 19 | 9/27/1982 | SHALE | 39 | DOMESTIC | 40.551026 | -81.075120 |
| 2726 | 481090 | UNION | 269 | 112 | 2/6/1976 | SHALE | | DOMESTIC | 40.549825 | -81.072666 |
| 2727 | 534168 | UNION | 135 | 49 | 6/18/1979 | SHALE | 4 | DOMESTIC | 40.549830 | -81.072578 |
| 2728 | 2060198 | UNION | 105 | 52 | 11/17/2016 | SHALE | 22 | DOMESTIC | 40.546767 | -81.074922 |
| 2729 | 802831 | UNION | 150 | 116 | 9/19/1995 | SANDSTONE | 3 | DOMESTIC | 40.545894 | -81.071524 |
| 2730 | 888991 | UNION | 240 | | 9/9/1999 | SHALE | 20 | DOMESTIC | 40.532790 | -81.067270 |
| 2731 | 957292 | UNION | 124 | 14 | 7/3/2004 | SHALE | 2 | DOMESTIC | 40.529630 | -81.066070 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|--------------|-----------------------|----------|--------------------|-------------------|
| 2732 | 894299 | UNION | 205 | 40 | 5/10/2000 | SHALE | 4 | DOMESTIC | 40.525280 | -81.064480 |
| 2733 | 844374 | UNION | 320 | 110 | 8/14/1997 | SANDSTONE | 11 | DOMESTIC | 40.534194 | -81.067889 |
| 2734 | 894283 | UNION | 205 | 110 | 8/17/2000 | SANDSTONE | 12 | DOMESTIC | 40.521380 | -81.062960 |
| 2735 | 894298 | UNION | 180 | 80 | 5/15/2000 | SANDSTONE | 4 | DOMESTIC | 40.520230 | -81.062840 |
| 2736 | 924875 | UNION | 305 | 60 | 4/25/2003 | SANDSTONE | 7 | DOMESTIC | 40.520230 | -81.062840 |
| 2737 | 798488 | UNION | 180 | 125 | 1/16/1995 | SHALE | | DOMESTIC | 40.530646 | -81.067919 |
| 2738 | 839102 | UNION | 94 | 52 | 7/4/1996 | SHALE | 3 | DOMESTIC | 40.529040 | -81.064606 |
| 2739 | 1006065 | UNION | 255 | 113 | 4/11/2007 | SHALE | 5 | DOMESTIC | 40.528800 | -81.061833 |
| 2740 | 875635 | UNION | 130 | 42 | 10/16/1998 | SANDSTONE | | DOMESTIC | 40.513420 | -81.062090 |
| 2741 | 858902 | UNION | 200 | 132 | 7/17/1997 | SANDSTONE | | DOMESTIC | 40.516622 | -81.063081 |
| 2742 | 396684 | UNION | 68 | 30 | 6/9/1971 | SHALE | | DOMESTIC | 40.554052 | -81.098218 |
| 2743 | 429255 | UNION | 79 | 35 | 1/11/1972 | SHALE | 5 | DOMESTIC | 40.553821 | -81.095645 |
| 2744 | 477458 | UNION | 104 | 60 | 6/2/1975 | SHALE | | | 40.553931 | -81.096523 |
| 2745 | 480406 | UNION | 85 | 45 | 5/27/1975 | SHALE | | DOMESTIC | 40.553728 | -81.094211 |
| 2746 | 480429 | UNION | 75 | 30 | 3/11/1976 | SHALE | | DOMESTIC | 40.553788 | -81.095025 |
| 2747 | 493352 | UNION | 105 | 60 | 2/9/1976 | SHALE | 35 | DOMESTIC | 40.551238 | -81.098310 |
| 2748 | 641777 | UNION | 92 | 59 | 8/24/1986 | SANDSTONE | | DOMESTIC | 40.552745 | -81.095243 |
| 2749 | 757226 | UNION | 87 | 40 | 6/30/1992 | SANDSTONE | 32 | DOMESTIC | 40.552741 | -81.091030 |
| 2750 | 3010097 | UNION | 78 | 7 | 8/23/2023 | SANDSTONE | 38 | DOMESTIC | 40.552740 | -81.091030 |
| 2751 | 3000606 | UNION | 85 | 19 | 4/14/2022 | SHALE | 24 | DOMESTIC | 40.553639 | -81.098959 |
| 2752 | 671547 | UNION | 112 | 42 | 6/18/1988 | SHALE | | DOMESTIC | 40.550317 | -81.087191 |
| 2753 | 464236 | UNION | 124 | 96 | 7/5/1974 | SHALE | 4 | DOMESTIC | 40.554595 | -81.083698 |
| 2754 | 477451 | UNION | 272 | 50 | 12/10/1974 | SHALE | 6 | DOMESTIC | 40.557559 | -81.080349 |
| 2755 | 477460 | UNION | 157 | 90 | 6/30/1975 | SANDSTONE | | | 40.501458 | -81.070009 |
| 2756 | 509470 | UNION | 85 | | 9/22/1977 | SANDSTONE | 42 | DOMESTIC | 40.501965 | -81.078704 |
| 2757 | 1008076 | UNION | 132 | 37 | 11/19/2012 | SHALE | 18 | DOMESTIC | 40.501650 | -81.078833 |
| 2758 | 2010197 | UNION | 459 | 190 | 6/8/2007 | SANDSTONE | 9 | DOMESTIC | 40.499833 | -81.073667 |
| 2759 | 687159 | UNION | 250 | 85 | 9/15/1988 | SHALE | 28 | DOMESTIC | 40.499732 | -81.070091 |
| 2760 | 679108 | UNION | 132 | 48 | 8/8/1988 | CLAY & SHALE | | DOMESTIC | 40.504501 | -81.061273 |
| 2761 | 325774 | UNION | 70 | 29 | 4/17/1967 | SAND | 29 | | 40.511192 | -81.094757 |
| 2762 | 1021461 | UNION | 126 | 33 | 5/25/2023 | SANDSTONE | | DOMESTIC | 40.510983 | -81.094797 |
| 2763 | 940736 | UNION | 250 | 178 | 8/8/2002 | LOAM | 1 | DOMESTIC | 40.509960 | -81.090720 |
| 2764 | 829722 | UNION | 200 | 102 | 7/1/1997 | SHALE | 3 | DOMESTIC | 40.500897 | -81.091545 |
| 2765 | 883727 | UNION | 350 | 151 | 8/19/1998 | SANDSTONE | 1 | DOMESTIC | 40.497605 | -81.090007 |
| 2766 | 829690 | UNION | 150 | 55 | 10/25/1996 | SANDSTONE | 2 | DOMESTIC | 40.497256 | -81.085264 |
| 2767 | 860223 | UNION | 350 | 154 | 8/17/1998 | SANDSTONE | 1 | DOMESTIC | 40.495774 | -81.087140 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|----------|------------------|-------------------------|-----------------|-------------------|-----------------------|-------------|--------------------|-------------------|
| 2768 | 115728 | UNION | 528 | 140 | 10/24/1956 | SANDSTONE | | | 40.503645 | -81.100573 |
| 2769 | 877523 | UNION | 100 | 46 | 8/26/1999 | SHALE | 12 | AGRIC/IRRIG | 40.494640 | -81.093590 |
| 2770 | 829697 | UNION | 200 | 102 | 12/4/1996 | SANDSTONE | | DOMESTIC | 40.543375 | -81.107431 |
| 2771 | 955606 | UNION | 275 | 148 | 1/10/2003 | SANDSTONE | 14 | DOMESTIC | 40.542130 | -81.118040 |
| 2772 | 695837 | UNION | 134 | 55 | 6/26/1989 | SHALE | 8 | DOMESTIC | 40.500212 | -81.078621 |
| 2773 | 924891 | UNION | 255 | 95 | 7/2/2002 | SANDSTONE | 14 | DOMESTIC | 40.499150 | -81.079800 |
| 2774 | 1008090 | UNION | 255 | 64 | 2/12/2017 | SANDSTONE | 2 | DOMESTIC | 40.497390 | -81.079341 |
| 2775 | 802780 | UNION | 200 | 38 | 3/30/1995 | SANDSTONE | 4 | DOMESTIC | 40.496606 | -81.081111 |
| 2776 | 1016787 | UNION | 266 | 62 | 7/2/2013 | SANDSTONE | | DOMESTIC | 40.496767 | -81.080983 |
| 2777 | 829699 | UNION | 175 | 26 | 1/7/1997 | SANDSTONE | 11 | DOMESTIC | 40.495772 | -81.081324 |
| 2778 | 866820 | UNION | 235 | 92 | 1/29/2001 | CLAY & SHALE | | DOMESTIC | 40.495170 | -81.082500 |
| 2779 | 671525 | UNION | 150 | 84 | 12/24/1987 | CLEANOUT | | DOMESTIC | 40.495018 | -81.082395 |
| 2780 | 790957 | UNION | 100 | 31 | 8/15/1994 | SANDSTONE | | DOMESTIC | 40.496015 | -81.085789 |
| 2781 | 1002437 | UNION | 88 | 29 | 10/6/2006 | SANDSTONE & SHALE | 4 | DOMESTIC | 40.501000 | -81.078330 |
| 2782 | 184998 | UNION | 40 | 15 | 6/22/1958 | SHALE | | DOMESTIC | 40.542025 | -81.101143 |
| 2783 | 283038 | UNION | 183 | 140 | 1/16/1965 | SHALE | 8 | | 40.524581 | -81.093205 |
| 2784 | 411991 | UNION | 110 | 50 | 6/15/1971 | SHALE | | | 40.541652 | -81.097536 |
| 2785 | 509475 | UNION | 280 | 125 | 10/4/1977 | SHALE | 4 | DOMESTIC | 40.525119 | -81.094499 |
| 2786 | 573721 | UNION | 153 | 84 | 1/14/1981 | SHALE | | DOMESTIC | 40.531770 | -81.096348 |
| 2787 | 578661 | UNION | 302 | 95 | 10/20/1981 | SANDSTONE | | | 40.544249 | -81.104137 |
| 2788 | 839448 | UNION | 188 | 145 | 10/23/1996 | CLEANOUT | | DOMESTIC | 40.532236 | -81.095527 |
| 2789 | 752292 | UNION | 259 | 191 | 7/16/1992 | CLEANOUT | | DOMESTIC | 40.530714 | -81.094476 |
| 2790 | 601508 | UNION | 84 | 33.5 | 7/13/1981 | SHALE | 6 | DOMESTIC | 40.526435 | -81.096004 |
| 2791 | 659074 | UNION | 162 | 96 | 5/26/1987 | SANDSTONE | 25 | | 40.517386 | -81.093488 |
| 2792 | 243339 | UNION | 120 | 73 | 12/26/1959 | SHALE | 4 | DOMESTIC | 40.554949 | -81.099585 |
| 2793 | 390913 | UNION | 87 | 30 | 6/17/1969 | CLAY & SHALE | | DOMESTIC | 40.551791 | -81.102801 |
| 2794 | 427269 | UNION | 96 | 50 | 10/2/1972 | SHALE | | | 40.559352 | -81.096448 |
| 2795 | 427521 | UNION | 85 | 30 | 7/14/1972 | SHALE | 6 | | 40.532320 | -81.114937 |
| 2796 | 449844 | UNION | 224 | 144 | 5/7/1974 | SHALE | | DOMESTIC | 40.532562 | -81.112257 |
| 2797 | 458301 | UNION | 103 | 56 | 6/25/1973 | SHALE | | DOMESTIC | 40.559794 | -81.095917 |
| 2798 | 802819 | UNION | 75 | 11 | 8/10/1995 | ROCK | 16 | AGRIC/IRRIG | 40.562750 | -81.097523 |
| 2799 | 598792 | UNION | 91 | 40 | 7/14/1983 | SANDSTONE | 23 | DOMESTIC | 40.558986 | -81.095053 |
| 2800 | 752297 | UNION | 210 | 96 | 8/3/1992 | SANDSTONE | 38 | DOMESTIC | 40.548735 | -81.101109 |
| 2801 | 3011975 | UNION | 269 | 133 | 11/30/2023 | SHALE | | DOMESTIC | 40.539722 | -81.103611 |
| 2802 | 599255 | UNION | 105 | 30 | 7/18/1981 | SHALE | 3 | DOMESTIC | 40.537396 | -81.108339 |
| 2803 | 721704 | UNION | 172 | 48 | 12/12/1990 | CLEANOUT | | DOMESTIC | 40.537440 | -81.108349 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|------------|------------------|-------------------------|-----------------|--------------|-----------------------|----------|--------------------|-------------------|
| 2804 | 738013 | UNION | 200 | 56 | 9/24/1991 | SANDSTONE | 12 | DOMESTIC | 40.537458 | -81.108382 |
| 2805 | 708576 | UNION | 174 | 58 | 1/9/1990 | CLEANOUT | | DOMESTIC | 40.536708 | -81.109130 |
| 2806 | 1008230 | UNION | 255 | 143 | 7/30/2008 | SANDSTONE | 1 | DOMESTIC | 40.536000 | -81.108833 |
| 2807 | 1002459 | UNION | 265 | 205 | 7/24/2007 | SHALE | | DOMESTIC | 40.530333 | -81.113333 |
| 2808 | 1002442 | UNION | 269 | 191 | 11/15/2006 | SANDSTONE | 200 | DOMESTIC | 40.527333 | -81.111250 |
| 2809 | 507556 | UNION | 87 | 30 | 9/3/1977 | SHALE | | DOMESTIC | 40.536421 | -81.110121 |
| 2810 | 507557 | UNION | 95 | 25 | 9/19/1977 | CLAY & SHALE | | DOMESTIC | 40.536730 | -81.110931 |
| 2811 | 507566 | UNION | 135 | 80 | 5/1/1978 | CLAY & SHALE | | DOMESTIC | 40.543683 | -81.104769 |
| 2812 | 507570 | UNION | 126 | 40 | 7/6/1978 | SHALE | | DOMESTIC | 40.538900 | -81.112836 |
| 2813 | 507590 | UNION | 217 | 75 | 7/11/1979 | LIMESTONE | 3 | DOMESTIC | 40.538366 | -81.112332 |
| 2814 | 2040905 | UNION | 300 | 187 | 11/7/2012 | SANDSTONE | 3 | DOMESTIC | 40.530182 | -81.113803 |
| 2815 | 480411 | UNION | 100 | 55 | 7/15/1975 | SHALE | | DOMESTIC | 40.558412 | -81.056919 |
| 2816 | 598796 | UNION | 196 | 145 | 10/10/1983 | SANDSTONE | | DOMESTIC | 40.557110 | -81.060308 |
| 2817 | 891083 | UNION | 228 | 86 | 3/31/1999 | LIMESTONE | 86 | DOMESTIC | 40.536630 | -81.109450 |
| 2818 | 987604 | UNION | 374 | 213 | 7/28/2005 | | | DOMESTIC | 40.539000 | -81.112670 |
| 2819 | 861094 | UNION | 100 | 55 | 5/3/1999 | SHALE | | DOMESTIC | 40.537110 | -81.110010 |
| 2820 | 1006553 | UNION | 195 | 90 | 12/12/2009 | SHALE | 1 | DOMESTIC | 40.537110 | -81.110010 |
| 2821 | 622528 | UNION | 150 | 110 | 10/25/1983 | SANDSTONE | 5 | | 40.539088 | -81.113942 |
| 2822 | 2025164 | UNION | 375 | 216 | 11/24/2009 | SANDSTONE | | DOMESTIC | 40.539333 | -81.113333 |
| 2823 | 52658 | WASHINGTON | 71 | | 10/12/1948 | SHALE | 2 | | 40.594502 | -80.988137 |
| 2824 | 92684 | WASHINGTON | 65 | 35 | | SHALE | | DOMESTIC | 40.603836 | -81.044134 |
| 2825 | 125971 | WASHINGTON | 52 | 20 | 10/23/1954 | SAND | | DOMESTIC | 40.625543 | -81.058673 |
| 2826 | 125982 | WASHINGTON | 350 | 60 | 6/6/1955 | SHALE | 50 | | 40.605855 | -81.030497 |
| 2827 | 125983 | WASHINGTON | 55 | 40 | 6/9/1955 | SAND | 18 | | 40.605855 | -81.030497 |
| 2828 | 9910020 | WASHINGTON | 239 | | 1/1/1939 | COAL | 29 | | 40.619296 | -81.066557 |
| 2829 | 269303 | WASHINGTON | 98 | 12 | 8/10/1961 | SHALE | 18 | | 40.619884 | -81.081184 |
| 2830 | 241465 | WASHINGTON | 72 | 35 | | SHALE | 42 | DOMESTIC | 40.607991 | -81.085840 |
| 2831 | 318414 | WASHINGTON | 216 | | 10/26/1964 | SANDSTONE | 38 | DOMESTIC | 40.633458 | -81.054928 |
| 2832 | 509461 | WASHINGTON | 62 | 45 | 6/5/1977 | SHALE | | DOMESTIC | 40.617707 | -80.983963 |
| 2833 | 396694 | WASHINGTON | 194 | 115 | | SHALE | | DOMESTIC | 40.617935 | -81.029374 |
| 2834 | 390935 | WASHINGTON | 100 | 60 | 10/16/1970 | SHALE | | DOMESTIC | 40.638194 | -81.024146 |
| 2835 | 427282 | WASHINGTON | 148 | 100 | 9/27/1973 | SHALE | | DOMESTIC | 40.631015 | -81.026989 |
| 2836 | 601513 | WASHINGTON | 156 | 103 | 8/5/1981 | SHALE | 4 | DOMESTIC | 40.593637 | -81.049264 |
| 2837 | 1021429 | WASHINGTON | 313 | 168 | 11/6/2020 | SANDSTONE | | DOMESTIC | 40.593390 | -81.049211 |
| 2838 | 671865 | WASHINGTON | 81 | 42 | 10/11/1988 | SHALE | | DOMESTIC | 40.598553 | -81.048336 |
| 2839 | 626192 | WASHINGTON | 118 | 62 | 11/26/1985 | SHALE | 4 | DOMESTIC | 40.598248 | -81.046236 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|------------|------------------|-------------------------|-----------------|-------------------|-----------------------|-------------|--------------------|-------------------|
| 2840 | 480433 | WASHINGTON | 35 | 6 | 5/4/1976 | SHALE | 28 | DOMESTIC | 40.601347 | -81.041995 |
| 2841 | 507596 | WASHINGTON | 241 | 160 | 10/27/1979 | SHALE | 3 | DOMESTIC | 40.606889 | -81.039238 |
| 2842 | 875638 | WASHINGTON | 149 | 111 | 10/31/1998 | OLD WELL | | DOMESTIC | 40.640530 | -81.019210 |
| 2843 | 799310 | WASHINGTON | 163 | 93 | 4/1/1995 | SHALE | 2 | DOMESTIC | 40.631709 | -81.030084 |
| 2844 | 965333 | WASHINGTON | 250 | 142 | 4/29/2004 | SHALE | | DOMESTIC | 40.640700 | -81.018730 |
| 2845 | 598764 | WASHINGTON | 131 | 85 | 9/25/1981 | SHALE | 22 | DOMESTIC | 40.634198 | -81.027440 |
| 2846 | 987635 | WASHINGTON | 137 | 84 | 11/5/2004 | | | DOMESTIC | 40.634170 | -81.029500 |
| 2847 | 930208 | WASHINGTON | 180 | 116 | 8/9/2001 | SHALE | | DOMESTIC | 40.641080 | -81.017630 |
| 2848 | 598767 | WASHINGTON | 117 | 55 | 10/26/1981 | SHALE | | DOMESTIC | 40.635243 | -81.026140 |
| 2849 | 659070 | WASHINGTON | 193 | 90 | 4/13/1986 | SHALE | 1 | | 40.635243 | -81.026140 |
| 2850 | 3002497 | WASHINGTON | 171 | 120 | 7/12/2022 | SANDSTONE | 2 | DOMESTIC | 40.635098 | -81.027204 |
| 2851 | 1021421 | WASHINGTON | 210 | 100 | 2/3/2020 | SANDSTONE | | DOMESTIC | 40.635466 | -81.027061 |
| 2852 | 891153 | WASHINGTON | 223 | 75 | 10/24/2000 | SHALE | | DOMESTIC | 40.641590 | -81.016920 |
| 2853 | 671520 | WASHINGTON | 205 | 94 | 12/2/1987 | SHALE | | DOMESTIC | 40.638327 | -81.023977 |
| 2854 | 930264 | WASHINGTON | 207 | 91 | 5/15/2003 | CLEANOUT | | DOMESTIC | 40.641880 | -81.015510 |
| 2855 | 965331 | WASHINGTON | 104 | 24 | 4/20/2004 | SHALE | 62 | DOMESTIC | 40.644793 | -81.019987 |
| 2856 | 2088204 | WASHINGTON | 200 | 63 | 8/13/2021 | SHALE | 12 | AGRIC/IRRIG | 40.598510 | -81.048260 |
| 2857 | 1014632 | WASHINGTON | 300 | 82 | 4/25/2011 | | | AGRIC/IRRIG | 40.643750 | -80.990600 |
| 2858 | 223174 | WASHINGTON | 212 | 70 | | SHALE | | DOMESTIC | 40.577772 | -80.989677 |
| 2859 | 273734 | WASHINGTON | 82 | 45 | | SHALE | 65 | DOMESTIC | 40.574689 | -81.009292 |
| 2860 | 336357 | WASHINGTON | 150 | 85 | 5/4/1966 | SHALE | | DOMESTIC | 40.579688 | -81.013503 |
| 2861 | 339941 | WASHINGTON | 70 | 45 | 6/12/1966 | SHALE | | DOMESTIC | 40.579079 | -81.000660 |
| 2862 | 356155 | WASHINGTON | 110 | 67 | 11/9/1966 | SHALE | 20 | DOMESTIC | 40.578694 | -80.977647 |
| 2863 | 356195 | WASHINGTON | 76 | 50 | 8/3/1967 | SHALE & SANDSTONE | | DOMESTIC | 40.578919 | -80.994664 |
| 2864 | 387870 | WASHINGTON | 85 | 45 | 3/10/1969 | SHALE | 4 | DOMESTIC | 40.578706 | -80.998359 |
| 2865 | 427526 | WASHINGTON | 125 | 60 | 9/27/1972 | SHALE | | DOMESTIC | 40.579307 | -80.985024 |
| 2866 | 480401 | WASHINGTON | 90 | 45 | 4/19/1975 | CLAY & SHALE | | DOMESTIC | 40.579363 | -80.984359 |
| 2867 | 507561 | WASHINGTON | 132 | 80 | 11/1/1977 | SHALE | | DOMESTIC | 40.579363 | -80.984359 |
| 2868 | 522354 | WASHINGTON | 152 | 13 | 4/23/1978 | SHALE | 8 | DOMESTIC | 40.578344 | -80.988657 |
| 2869 | 528109 | WASHINGTON | 237 | 37 | 12/15/1978 | CLAY & SHALE | 3 | DOMESTIC | 40.579650 | -80.992401 |
| 2870 | 528110 | WASHINGTON | 103 | 43 | 12/15/1978 | SHALE | 6 | | 40.578531 | -80.990364 |
| 2871 | 959534 | WASHINGTON | 340 | 80 | 1/14/2003 | SANDSTONE & SHALE | 8 | DOMESTIC | 40.579420 | -81.016430 |
| 2872 | 802843 | WASHINGTON | 250 | 71 | 11/6/1995 | SHALE | | DOMESTIC | 40.581613 | -81.004618 |
| 2873 | 839120 | WASHINGTON | 200 | 125 | 12/27/1997 | SHALE | 3 | DOMESTIC | 40.579720 | -81.016220 |
| 2874 | 844368 | WASHINGTON | 300 | 140 | 6/7/1997 | SANDSTONE | 2 | DOMESTIC | 40.581726 | -81.003254 |
| 2875 | 772463 | WASHINGTON | 325 | 110 | 11/6/1993 | COAL | 4 | DOMESTIC | 40.578729 | -81.001307 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|------------|------------------|-------------------------|-----------------|-------------------|-----------------------|--------------|--------------------|-------------------|
| 2876 | 898290 | WASHINGTON | 141 | 63 | 8/1/2001 | SHALE | 16 | DOMESTIC | 40.579960 | -81.015220 |
| 2877 | 894277 | WASHINGTON | 255 | 38 | 3/13/2000 | SANDSTONE | 8 | DOMESTIC | 40.579840 | -81.014510 |
| 2878 | 868850 | WASHINGTON | 160 | 40 | 4/10/1998 | SHALE | 7 | DOMESTIC | 40.580190 | -81.014280 |
| 2879 | 751126 | WASHINGTON | 102 | 48 | 5/26/1992 | SHELL | 2 | DOMESTIC | 40.579396 | -80.995646 |
| 2880 | 877464 | WASHINGTON | 200 | 17 | 11/12/1998 | SANDSTONE | 2 | DOMESTIC | 40.581480 | -81.003200 |
| 2881 | 671891 | WASHINGTON | 212 | 80 | 5/21/1990 | SHALE | 114 | DOMESTIC | 40.577841 | -80.990147 |
| 2882 | 875648 | WASHINGTON | 216 | 94 | 2/8/1999 | OLD WELL | | DOMESTIC | 40.581030 | -81.003070 |
| 2883 | 877468 | WASHINGTON | 200 | | 11/20/1998 | SHALE | 10 | DOMESTIC | 40.580350 | -81.002350 |
| 2884 | 882671 | WASHINGTON | 200 | 57 | 11/14/1998 | SANDSTONE | | DOMESTIC | 40.580260 | -81.002690 |
| 2885 | 2080172 | WASHINGTON | 215 | 79 | 6/24/2020 | SANDSTONE | | DOMESTIC | 40.573833 | -80.983333 |
| 2886 | 995175 | WASHINGTON | 185 | 77 | 12/6/2005 | SHALE | 7 | DOMESTIC | 40.574650 | -80.979980 |
| 2887 | 609580 | WASHINGTON | 83 | 27 | 12/24/1983 | SHALE | 5 | DOMESTIC | 40.579002 | -80.978982 |
| 2888 | 615913 | WASHINGTON | 83 | 27 | 4/18/1984 | SHALE | 5 | DOMESTIC | 40.579002 | -80.978982 |
| 2889 | 864040 | WASHINGTON | 118 | 28 | 4/16/1998 | SHALE | 15 | DOMESTIC | 40.579020 | -81.001640 |
| 2890 | 103424 | WASHINGTON | 81 | 25 | 8/13/1953 | SHALE | 13 | DOMESTIC | 40.615157 | -81.079549 |
| 2891 | 493398 | WASHINGTON | 63 | 40 | 3/30/1977 | SANDSTONE | 14 | DOMESTIC | 40.642407 | -81.039723 |
| 2892 | 2036991 | WASHINGTON | 240 | | 3/26/2012 | SHALE | 6 | MONITOR | 40.641490 | -81.050990 |
| 2893 | 2036993 | WASHINGTON | 140 | | 3/27/2012 | SHALE | 7 | MONITOR | 40.642200 | -81.051580 |
| 2894 | 2036994 | WASHINGTON | 100 | | 3/27/2012 | SHALE | 12 | MONITOR | 40.641540 | -81.052220 |
| 2895 | 2036995 | WASHINGTON | 80 | | 3/29/2012 | SANDSTONE | 12 | MONITOR | 40.640930 | -81.051600 |
| 2896 | 721462 | WASHINGTON | 115 | 20 | 8/1/1991 | SHALE | | DOMESTIC | 40.631398 | -81.064449 |
| 2897 | 839470 | WASHINGTON | 152 | 24 | 6/17/1997 | SANDSTONE | 109 | DOMESTIC | 40.631398 | -81.064449 |
| 2898 | 665184 | WASHINGTON | 85 | 20 | 10/12/1987 | SHALE | 25 | DOMESTIC | 40.634348 | -81.060073 |
| 2899 | 942174 | WASHINGTON | 175 | 94 | 1/7/2003 | SANDSTONE | 1 | DOMESTIC | 40.630830 | -81.143060 |
| 2900 | 695840 | WASHINGTON | 237 | 163 | 7/10/1989 | SANDSTONE | | DOMESTIC | 40.633792 | -81.054993 |
| 2901 | 2044330 | WASHINGTON | 159 | 34 | 1/29/2013 | SANDSTONE & SHALE | 14 | MONITOR | 40.630401 | -81.053331 |
| 2902 | 2044331 | WASHINGTON | 299 | 134 | 1/30/2013 | SANDSTONE | 28 | MONITOR | 40.630037 | -81.053070 |
| 2903 | 610407 | WASHINGTON | 77 | 27 | 11/17/1984 | LIMESTONE | 4 | DRY/NO WATER | 40.636396 | -81.055296 |
| 2904 | 601526 | WASHINGTON | 91 | 32 | 3/3/1982 | SHALE | 32 | DOMESTIC | 40.636663 | -81.054707 |
| 2905 | 956842 | WASHINGTON | 85 | 26 | 7/10/2003 | SANDSTONE | 4 | DOMESTIC | 40.636936 | -81.053200 |
| 2906 | 716300 | WASHINGTON | 154 | 28 | 10/24/1991 | SHALE | 28 | DOMESTIC | 40.637326 | -81.052180 |
| 2907 | 820067 | WASHINGTON | 150 | 66 | 2/23/1996 | SANDSTONE | 1 | DOMESTIC | 40.639745 | -81.049232 |
| 2908 | 716308 | WASHINGTON | 108 | 42 | 8/4/1990 | CLEANOUT | | DOMESTIC | 40.640641 | -81.048056 |
| 2909 | 967760 | WASHINGTON | 175 | 51 | 10/7/2003 | SHALE | | DOMESTIC | 40.640830 | -81.041390 |
| 2910 | 891107 | WASHINGTON | 162 | 82 | 9/1/1999 | SHALE | 3 | DOMESTIC | 40.642697 | -81.039554 |
| 2911 | 1009793 | WASHINGTON | 130 | 82 | 12/15/2008 | | 1 | DOMESTIC | 40.640380 | -81.048980 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|------------|------------------|-------------------------|-----------------|-------------------|-----------------------|-------------|--------------------|-------------------|
| 2912 | 367361 | WASHINGTON | 110 | 80 | 7/29/1967 | SANDSTONE | | DOMESTIC | 40.638608 | -81.052252 |
| 2913 | 367362 | WASHINGTON | 62 | 31 | 8/2/1967 | SANDSTONE | | DOMESTIC | 40.638123 | -81.053434 |
| 2914 | 420830 | WASHINGTON | 66 | 32 | 10/19/1971 | SANDSTONE | 17 | | 40.636644 | -81.056613 |
| 2915 | 464206 | WASHINGTON | 61 | 25 | 10/15/1973 | SHALE | 4 | DOMESTIC | 40.640685 | -81.047784 |
| 2916 | 1008222 | WASHINGTON | 267 | 15 | 5/8/2008 | SANDSTONE | 4 | AGRIC/IRRIG | 40.633167 | -81.053333 |
| 2917 | 935501 | WASHINGTON | 94 | 45 | 6/28/2002 | SHALE & SANDSTONE | | DOMESTIC | 40.640600 | -81.047140 |
| 2918 | 239961 | WASHINGTON | 78 | 25 | 10/10/1960 | SHALE | 20 | DOMESTIC | 40.598659 | -81.047530 |
| 2919 | 318410 | WASHINGTON | 50 | 25 | 10/1/1964 | SANDSTONE | 40 | DOMESTIC | 40.610171 | -81.017236 |
| 2920 | 382435 | WASHINGTON | 74 | 16 | 11/7/1968 | SHALE | | DOMESTIC | 40.612269 | -81.003792 |
| 2921 | 391418 | WASHINGTON | 95 | 36 | 9/4/1969 | SANDSTONE | 3 | DOMESTIC | 40.612269 | -81.003792 |
| 2922 | 507600 | WASHINGTON | 269 | 150 | 6/6/1980 | SHALE | | DOMESTIC | 40.603695 | -81.032246 |
| 2923 | 598759 | WASHINGTON | 210 | 130 | 6/27/1992 | SHALE | | | 40.603231 | -81.034228 |
| 2924 | 1014660 | WASHINGTON | 60 | 13 | 7/12/2012 | LIMESTONE | | AGRIC/IRRIG | 40.611550 | -81.003450 |
| 2925 | 514522 | WASHINGTON | 71 | 20 | 8/9/1977 | SHALE | 4 | DOMESTIC | 40.614093 | -81.004349 |
| 2926 | 965338 | WASHINGTON | 134 | 30 | 6/30/2004 | SHALE | 28 | DOMESTIC | 40.600500 | -81.040500 |
| 2927 | 1016799 | WASHINGTON | 257 | 125 | 6/12/2014 | SHALE | | DOMESTIC | 40.603383 | -81.034117 |
| 2928 | 839465 | WASHINGTON | 292 | 155 | 5/27/1997 | SANDSTONE | 269 | DOMESTIC | 40.603839 | -81.032134 |
| 2929 | 930552 | WASHINGTON | 164 | 120 | 4/2/2001 | SHALE | 2 | DOMESTIC | 40.607400 | -81.030700 |
| 2930 | 752278 | WASHINGTON | 154 | 36 | 5/4/1992 | SHALE | | | 40.605499 | -81.030830 |
| 2931 | 2076211 | WASHINGTON | 71 | 22 | 8/25/2019 | SHALE | | DOMESTIC | 40.610269 | -81.018889 |
| 2932 | 2077279 | WASHINGTON | 71 | 22 | 8/25/2019 | SHALE | | DOMESTIC | 40.610269 | -81.018889 |
| 2933 | 747203 | WASHINGTON | 81 | 40 | 4/13/1993 | SHALE | 32 | DOMESTIC | 40.609903 | -81.022888 |
| 2934 | 829644 | WASHINGTON | 300 | 99 | 2/1/1996 | SHALE | 3 | DOMESTIC | 40.614509 | -81.024232 |
| 2935 | 945966 | WASHINGTON | 420 | 192 | 8/21/2003 | SHALE | | DOMESTIC | 40.610100 | -81.020870 |
| 2936 | 866814 | WASHINGTON | 75 | 16 | 9/30/2000 | SHALE | | DOMESTIC | 40.609900 | -81.020430 |
| 2937 | 2034853 | WASHINGTON | 360 | 140 | 10/6/2011 | SHALE | | DOMESTIC | 40.613730 | -81.021400 |
| 2938 | 902229 | WASHINGTON | 275 | 102 | 3/23/2000 | SHALE | 8 | DOMESTIC | 40.610190 | -81.020430 |
| 2939 | 882669 | WASHINGTON | 300 | 196 | 12/23/1998 | SANDSTONE | 6 | DOMESTIC | 40.610230 | -81.020240 |
| 2940 | 877454 | WASHINGTON | 200 | 84 | 9/30/1998 | SHALE | 8 | DOMESTIC | 40.610020 | -81.019810 |
| 2941 | 829705 | WASHINGTON | 175 | 35 | 2/15/1997 | SANDSTONE | | DOMESTIC | 40.611856 | -81.016402 |
| 2942 | 2071448 | WASHINGTON | 200 | 79 | 11/21/2018 | SANDSTONE | | DOMESTIC | 40.611369 | -81.019625 |
| 2943 | 877503 | WASHINGTON | 175 | 77 | 5/25/1999 | SANDSTONE | 1 | DOMESTIC | 40.610370 | -81.019280 |
| 2944 | 967756 | WASHINGTON | 60 | 6 | 9/12/2003 | CLAY & SHALE | | DOMESTIC | 40.615830 | -81.005830 |
| 2945 | 143758 | WASHINGTON | 78 | 60 | 5/5/1954 | SHALE | | | 40.637038 | -81.012664 |
| 2946 | 143764 | WASHINGTON | 80 | 30 | 5/5/1954 | SHALE | 30 | DOMESTIC | 40.633304 | -81.015686 |
| 2947 | 455406 | WASHINGTON | 180 | 82 | 5/25/1973 | SHALE | 4 | DOMESTIC | 40.624252 | -80.989934 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|------------|------------------|-------------------------|-----------------|-------------------|-----------------------|----------|--------------------|-------------------|
| 2948 | 455421 | WASHINGTON | 195 | 115 | 7/12/1973 | SHALE | | DOMESTIC | 40.623678 | -80.989978 |
| 2949 | 371863 | WASHINGTON | 140 | 50 | 9/24/1988 | SHALE | | DOMESTIC | 40.609753 | -80.994081 |
| 2950 | 747183 | WASHINGTON | 166 | 80 | 5/4/1992 | SANDSTONE | 2 | DOMESTIC | 40.611447 | -80.992177 |
| 2951 | 2026322 | WASHINGTON | 92 | 12 | 3/12/2010 | SHALE & SANDSTONE | 14 | DOMESTIC | 40.613367 | -80.991183 |
| 2952 | 744338 | WASHINGTON | 100 | 28 | 10/19/1992 | SANDSTONE | | DOMESTIC | 40.612492 | -80.990603 |
| 2953 | 881494 | WASHINGTON | 218 | 86 | 10/29/1998 | LIMESTONE | | DOMESTIC | 40.620100 | -80.989700 |
| 2954 | 781601 | WASHINGTON | 198 | 113 | 2/16/1994 | OLD WELL | | DOMESTIC | 40.623374 | -80.990219 |
| 2955 | 687875 | WASHINGTON | 90 | 20 | 11/6/1989 | SHALE | 27 | | 40.624902 | -80.991299 |
| 2956 | 2047959 | WASHINGTON | 127 | 94 | 6/23/2014 | SHALE | | DOMESTIC | 40.625211 | -80.993534 |
| 2957 | 2050331 | WASHINGTON | 191 | 98 | 10/17/2014 | EXISTING WELL | | DOMESTIC | 40.625211 | -80.993534 |
| 2958 | 942267 | WASHINGTON | 71 | 27 | 8/11/2002 | CLAY & SHALE | | DOMESTIC | 40.625070 | -80.997180 |
| 2959 | 1012495 | WASHINGTON | 102 | 21 | 3/27/2010 | SHALE | | DOMESTIC | 40.630830 | -80.998670 |
| 2960 | 536026 | WASHINGTON | 80 | | 3/3/1978 | SANDSTONE | 15 | DOMESTIC | 40.620801 | -80.990198 |
| 2961 | 642373 | WASHINGTON | 93 | 40 | 6/1/1987 | SHALE | | | 40.630052 | -81.012573 |
| 2962 | 2057625 | WASHINGTON | 249 | 130.2 | 6/27/2016 | | | MONITOR | 40.633333 | -81.017917 |
| 2963 | 2057626 | WASHINGTON | 119 | 116 | 6/27/2016 | | | MONITOR | 40.633194 | -81.020778 |
| 2964 | 679142 | WASHINGTON | 374 | 58 | 12/12/1988 | SHALE | 8 | DOMESTIC | 40.633471 | -81.015987 |
| 2965 | 758336 | WASHINGTON | 285 | 174 | 9/18/1992 | CLAY & SHALE | 2 | DOMESTIC | 40.633482 | -81.016010 |
| 2966 | 854802 | WASHINGTON | 285 | 100 | 7/23/1997 | CLEANOUT | | DOMESTIC | 40.633482 | -81.016010 |
| 2967 | 2090210 | WASHINGTON | 91 | 35 | 12/9/2021 | SHALE | 3 | DOMESTIC | 40.633711 | -81.016519 |
| 2968 | 883338 | WASHINGTON | 64 | 8 | 5/16/2001 | SHALE | 15 | DOMESTIC | 40.638780 | -81.016380 |
| 2969 | 905320 | WASHINGTON | 248 | 72 | 7/7/2000 | SHALE | | OTHER | 40.620830 | -80.989440 |
| 2970 | 213529 | WASHINGTON | 61 | 10 | 5/12/1959 | SHALE | 40 | DOMESTIC | 40.564451 | -81.011249 |
| 2971 | 223196 | WASHINGTON | 102 | 30 | | SHALE | 35 | DOMESTIC | 40.562894 | -81.006276 |
| 2972 | 391434 | WASHINGTON | 373 | 84 | 10/30/1969 | SHALE | | DOMESTIC | 40.561241 | -80.993769 |
| 2973 | 641767 | WASHINGTON | 70 | 10 | 1/16/1984 | SHALE | 2 | DOMESTIC | 40.562578 | -81.006879 |
| 2974 | 671541 | WASHINGTON | 88 | 33 | 5/21/1988 | SHALE | | DOMESTIC | 40.562866 | -81.006590 |
| 2975 | 2036609 | WASHINGTON | 60 | 38 | 2/20/2012 | SHALE | 12 | DOMESTIC | 40.561140 | -80.997760 |
| 2976 | 971149 | WASHINGTON | 252 | 112 | 3/26/2005 | | 10 | DOMESTIC | 40.561140 | -80.993930 |
| 2977 | 1008209 | WASHINGTON | 150 | 42 | 11/13/2007 | SHALE | | DOMESTIC | 40.558730 | -80.989330 |
| 2978 | 883733 | WASHINGTON | 200 | 50 | 10/17/1998 | SHALE | | DOMESTIC | 40.558430 | -80.988950 |
| 2979 | 931777 | WASHINGTON | 230 | 101 | 5/17/2001 | CLAY & SHALE | | DOMESTIC | 40.558410 | -80.988930 |
| 2980 | 642374 | WASHINGTON | 106 | 70 | 7/17/1987 | SANDSTONE | 10 | | 40.559504 | -80.989582 |
| 2981 | 92676 | WASHINGTON | 90 | 50 | | SHALE | | | 40.616613 | -80.983955 |
| 2982 | 184990 | WASHINGTON | 87 | 60 | 4/29/1958 | SAND | 20 | | 40.627067 | -81.050873 |
| 2983 | 186905 | WASHINGTON | 200 | 140 | 11/23/1956 | SAND | 34 | DOMESTIC | 40.622022 | -81.037041 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|------------|------------------|-------------------------|-----------------|-------------------|-----------------------|-------------|--------------------|-------------------|
| 2984 | 353830 | WASHINGTON | 198 | 165 | 5/16/1967 | SANDSTONE | | DOMESTIC | 40.620706 | -81.051622 |
| 2985 | 356157 | WASHINGTON | 100 | 30 | 11/11/1966 | SAND | | DOMESTIC | 40.617485 | -81.010820 |
| 2986 | 356703 | WASHINGTON | 50 | 29 | 11/17/1966 | SHALE | | | 40.620213 | -80.996261 |
| 2987 | 396696 | WASHINGTON | 86 | 40 | 10/6/1971 | SHALE | 55 | DOMESTIC | 40.617153 | -80.994335 |
| 2988 | 400702 | WASHINGTON | 205 | 165 | 9/23/1969 | SAND | | | 40.621647 | -81.055717 |
| 2989 | 427255 | WASHINGTON | 180 | 115 | 4/14/1972 | SHALE | 105 | DOMESTIC | 40.620706 | -81.051622 |
| 2990 | 427284 | WASHINGTON | 160 | 125 | 10/15/1973 | SANDSTONE | | | 40.620910 | -81.046771 |
| 2991 | 507587 | WASHINGTON | 20 | 10 | 5/23/1979 | SHALE | 10 | DOMESTIC | 40.618188 | -80.995263 |
| 2992 | 2083558 | WASHINGTON | 100 | 34 | 12/3/2020 | SANDSTONE | | INDUSTRIAL | 40.620166 | -81.065457 |
| 2993 | 1002431 | WASHINGTON | 224 | 160 | 8/18/2006 | | 207 | AGRIC/IRRIG | 40.620180 | -81.066330 |
| 2994 | 877509 | WASHINGTON | 200 | 89 | 6/25/1999 | SHALE | 3 | DOMESTIC | 40.620460 | -81.066110 |
| 2995 | 493744 | WASHINGTON | 227 | 185 | 12/13/1976 | SHALE | 200 | DOMESTIC | 40.621647 | -81.055717 |
| 2996 | 2039894 | WASHINGTON | 400 | 86.6 | 8/7/2012 | SANDSTONE | | FRACK WATER | 40.617671 | -81.039839 |
| 2997 | 2039646 | WASHINGTON | 220 | | 8/3/2012 | SANDSTONE & SHALE | 12 | MONITOR | 40.621830 | -81.037428 |
| 2998 | 963552 | WASHINGTON | 75 | 25 | 9/17/2006 | SHALE | 6 | DOMESTIC | 40.621730 | -81.030400 |
| 2999 | 752280 | WASHINGTON | 298 | 46 | 5/25/1992 | SHALE | 25 | DOMESTIC | 40.621630 | -81.023578 |
| 3000 | 2047151 | WASHINGTON | 300 | 106 | 4/14/2014 | LIMESTONE | 13 | DOMESTIC | 40.621944 | -81.030278 |
| 3001 | 975163 | WASHINGTON | 85 | 25 | 5/28/2004 | SANDSTONE & SHALE | 6 | DOMESTIC | 40.615820 | -81.009720 |
| 3002 | 982388 | WASHINGTON | 45 | 7 | 9/6/2004 | SANDSTONE | 18 | DOMESTIC | 40.616242 | -81.006640 |
| 3003 | 613613 | WASHINGTON | 81 | 30 | 10/19/1984 | SHALE | | DOMESTIC | 40.617153 | -80.994335 |
| 3004 | 942263 | WASHINGTON | 143 | 67 | 7/21/2002 | SANDSTONE | 2 | DOMESTIC | 40.617220 | -80.993870 |
| 3005 | 671898 | WASHINGTON | 206 | 120 | 9/24/1990 | SANDSTONE | 3 | DOMESTIC | 40.616473 | -80.989321 |
| 3006 | 716322 | WASHINGTON | 150 | 93 | 11/7/1990 | SHALE | | DOMESTIC | 40.618180 | -80.983158 |
| 3007 | 671875 | WASHINGTON | 195 | 90 | 7/15/1989 | SANDSTONE | 18 | | 40.617439 | -80.981642 |
| 3008 | 1016789 | WASHINGTON | 196 | 68 | 9/16/2013 | SHALE | | DOMESTIC | 40.617533 | -80.979983 |
| 3009 | 1016778 | WASHINGTON | 177 | 77 | 3/1/2013 | SANDSTONE | 4 | DOMESTIC | 40.616417 | -80.976717 |
| 3010 | 781587 | WASHINGTON | 147 | 87 | 11/19/1993 | LIMESTONE | | DOMESTIC | 40.614450 | -80.976364 |
| 3011 | 909959 | WASHINGTON | 159 | 94 | 7/17/2000 | SHALE | 147 | DOMESTIC | 40.613767 | -80.976017 |
| 3012 | 1001191 | WASHINGTON | 229 | 110 | 3/26/2006 | SHALE | | DOMESTIC | 40.616430 | -80.991700 |
| 3013 | 2028788 | WASHINGTON | 280 | 151 | 9/8/2010 | SHALE | 8 | DOMESTIC | 40.614300 | -81.068650 |
| 3014 | 839105 | WASHINGTON | 125 | 85 | 10/29/1996 | SANDSTONE | | DOMESTIC | 40.609538 | -81.089226 |
| 3015 | 1012469 | WASHINGTON | 265 | 84 | 7/27/2009 | SANDSTONE & SHALE | | DOMESTIC | 40.610830 | -81.091110 |
| 3016 | 752284 | WASHINGTON | | 119.5 | 6/25/1992 | SHALE | | DOMESTIC | 40.607676 | -81.085525 |
| 3017 | 2053012 | WASHINGTON | 219 | 135.4 | 7/27/2015 | SANDSTONE | 14 | MONITOR | 40.606639 | -81.085139 |
| 3018 | 2053013 | WASHINGTON | 99 | 57.5 | 7/27/2015 | SANDSTONE | 14 | MONITOR | 40.606694 | -81.085139 |
| 3019 | 693786 | WASHINGTON | 83 | 45 | 1/30/1990 | SHALE | 16 | DOMESTIC | 40.609126 | -81.083070 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|------------|------------------|-------------------------|-----------------|-------------------|-----------------------|-----------------|--------------------|-------------------|
| 3020 | 615928 | WASHINGTON | 66 | 38 | 1/3/1986 | SANDSTONE | 18 | DOMESTIC | 40.609395 | -81.083387 |
| 3021 | 635287 | WASHINGTON | 110 | 50 | 4/7/1988 | COAL & CLAY | | DOMESTIC | 40.579589 | -81.089752 |
| 3022 | 2046264 | WASHINGTON | 199 | 70 | 1/14/2014 | SANDSTONE | | MONITOR | 40.608299 | -81.062375 |
| 3023 | 2046265 | WASHINGTON | 79 | 48.3 | 1/14/2014 | SANDSTONE & SHALE | | MONITOR | 40.608299 | -81.062375 |
| 3024 | 955619 | WASHINGTON | 240 | 125 | 9/30/2006 | SHALE | | DOMESTIC | 40.607500 | -81.071667 |
| 3025 | 653697 | WASHINGTON | 73 | 41 | 11/22/1988 | SANDSTONE | 18 | DOMESTIC | 40.627143 | -81.066219 |
| 3026 | 1012481 | WASHINGTON | 376 | 113 | 8/18/2010 | | | DOMESTIC | 40.625231 | -81.067333 |
| 3027 | 799292 | WASHINGTON | 230 | 194 | 10/12/1994 | CLEANOUT | | DOMESTIC | 40.627715 | -81.066486 |
| 3028 | 3005092 | WASHINGTON | 200 | 48 | 12/2/2022 | SANDSTONE | 6 | DOMESTIC | 40.628577 | -81.064751 |
| 3029 | 2036654 | WASHINGTON | 99 | 32 | 2/27/2012 | SHALE | | DOMESTIC | 40.632122 | -81.066094 |
| 3030 | 1021451 | WASHINGTON | 135 | 50 | 7/8/2022 | SANDSTONE | | PUBLIC/SEMI-PUB | 40.634353 | -81.064903 |
| 3031 | 874646 | WASHINGTON | 127 | 35 | 12/28/1998 | SANDSTONE | 11 | DOMESTIC | 40.657830 | -81.055720 |
| 3032 | 854892 | WASHINGTON | 85 | 34 | 5/22/1998 | SANDSTONE | 3 | DOMESTIC | 40.657860 | -81.055640 |
| 3033 | 877333 | WASHINGTON | 205 | 45 | 6/15/1998 | SHALE | | DOMESTIC | 40.657620 | -81.055460 |
| 3034 | 877331 | WASHINGTON | 145 | 85 | 6/9/1998 | SANDSTONE & SHALE | 10 | DOMESTIC | 40.638507 | -81.065817 |
| 3035 | 875636 | WASHINGTON | 135 | 52 | 10/20/1998 | SANDSTONE | 1 | DOMESTIC | 40.637759 | -81.064184 |
| 3036 | 957269 | WASHINGTON | 205 | 160 | 5/4/2003 | SHALE | 2 | DOMESTIC | 40.639570 | -81.065020 |
| 3037 | 2025350 | WASHINGTON | 320 | 214 | 12/9/2009 | SANDSTONE | | DOMESTIC | 40.639530 | -81.064980 |
| 3038 | 2085236 | WASHINGTON | 140 | 58 | 2/28/2021 | SHALE | 12 | DOMESTIC | 40.638952 | -81.065022 |
| 3039 | 930259 | WASHINGTON | 265 | 48 | 1/6/2003 | SHALE & SANDSTONE | 2 | AGRIC/IRRIG | 40.659150 | -81.052060 |
| 3040 | 1014651 | WASHINGTON | 400 | 103 | 3/19/2012 | SHALE | | AGRIC/IRRIG | 40.644050 | -81.066350 |
| 3041 | 213548 | WASHINGTON | 62 | 20 | 10/24/1959 | SHALE | 30 | DOMESTIC | 40.632375 | -81.069328 |
| 3042 | 223177 | WASHINGTON | 170 | 85 | | SAND | 27 | | 40.614065 | -81.067879 |
| 3043 | 239955 | WASHINGTON | 156 | 130 | 7/20/1960 | SAND | 50 | DOMESTIC | 40.607366 | -81.069009 |
| 3044 | 239967 | WASHINGTON | 72 | 20 | 7/20/1961 | SHALE | 60 | | 40.634110 | -81.068986 |
| 3045 | 241496 | WASHINGTON | 177 | 140 | | SANDSTONE | 32 | | 40.614065 | -81.067879 |
| 3046 | 255390 | WASHINGTON | 205 | 130 | | SANDSTONE | | | 40.603526 | -81.066795 |
| 3047 | 289168 | WASHINGTON | 560 | 170 | 9/20/1967 | SHALE | 17 | | 40.643828 | -81.066901 |
| 3048 | 296891 | WASHINGTON | 184 | 140 | | SANDSTONE | | | 40.614089 | -81.066877 |
| 3049 | 427516 | WASHINGTON | 205 | 160 | 5/24/1972 | SHALE | 6 | DOMESTIC | 40.606582 | -81.068363 |
| 3050 | 1012494 | WASHINGTON | 302 | 187 | 4/8/2010 | SHALE & LIMESTONE | | DOMESTIC | 40.606590 | -81.068930 |
| 3051 | 854882 | WASHINGTON | 145 | 39 | 4/23/1998 | CLAY & SHALE | 6 | DOMESTIC | 40.657750 | -81.055130 |
| 3052 | 888995 | WASHINGTON | 240 | 104 | 9/4/1999 | SHALE | | DOMESTIC | 40.657790 | -81.055000 |
| 3053 | 1019859 | WASHINGTON | 180 | 130 | 10/21/2020 | SANDSTONE | 1 | DOMESTIC | 40.622940 | -81.052599 |
| 3054 | 368419 | WASHINGTON | 120 | 80 | 8/26/1970 | SAND | 3 | | 40.639291 | -81.088689 |
| 3055 | 394384 | WASHINGTON | 195 | 160 | 6/24/1971 | SHALE | 18 | DOMESTIC | 40.627533 | -81.066698 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|------------|------------------|-------------------------|-----------------|---------------|-----------------------|----------|--------------------|-------------------|
| 3056 | 464186 | WASHINGTON | 70 | 45 | 7/3/1974 | SANDSTONE | 4 | DOMESTIC | 40.632354 | -80.975377 |
| 3057 | 468475 | WASHINGTON | 156 | 25 | 7/6/1974 | SHALE | 6 | | 40.625534 | -81.058484 |
| 3058 | 507582 | WASHINGTON | 150 | 100 | 10/3/1978 | SANDSTONE | | DOMESTIC | 40.628336 | -81.074616 |
| 3059 | 516384 | WASHINGTON | 185 | 140 | 10/27/1977 | SHALE | | DOMESTIC | 40.625631 | -81.060601 |
| 3060 | 522435 | WASHINGTON | 62 | 25 | 4/17/1978 | SHALE | 20 | DOMESTIC | 40.640067 | -81.087632 |
| 3061 | 712614 | WASHINGTON | 148 | 41 | 9/15/1990 | SHALE | 16 | DOMESTIC | 40.626900 | -81.061785 |
| 3062 | 920820 | WASHINGTON | 235 | 140 | 12/5/2001 | OLD WELL | | DOMESTIC | 40.626900 | -81.061785 |
| 3063 | 938178 | WASHINGTON | 191 | 84 | 3/28/2002 | SHALE | 16 | DOMESTIC | 40.626905 | -81.061787 |
| 3064 | 1019134 | WASHINGTON | 225 | 147 | 8/21/2018 | SANDSTONE | 2 | DOMESTIC | 40.627934 | -81.073054 |
| 3065 | 668829 | WASHINGTON | 73 | 32 | 6/10/1988 | SANDSTONE | | | 40.626539 | -81.063915 |
| 3066 | 877429 | WASHINGTON | 125 | 41 | 6/4/1998 | SHALE | 4 | DOMESTIC | 40.626224 | -81.063252 |
| 3067 | 802782 | WASHINGTON | 150 | 41 | 3/30/1995 | COAL | 3 | DOMESTIC | 40.627086 | -81.062780 |
| 3068 | 1011732 | WASHINGTON | 275 | 80 | 12/3/2008 | SANDSTONE | 3 | DOMESTIC | 40.623050 | -81.054240 |
| 3069 | 772464 | WASHINGTON | 185 | 80 | 11/9/1993 | SANDSTONE | | DOMESTIC | 40.627318 | -81.064993 |
| 3070 | 516378 | WASHINGTON | 188 | 130 | 9/10/1977 | SANDSTONE | | DOMESTIC | 40.622940 | -81.052590 |
| 3071 | 495175 | WASHINGTON | 94 | 47 | 9/20/1976 | COAL | | | 40.625869 | -81.070454 |
| 3072 | 608840 | WASHINGTON | 141 | 47 | 12/19/1983 | SHALE | | | 40.625869 | -81.070454 |
| 3073 | 716272 | WASHINGTON | 193 | 147 | 7/1/1991 | SHALE | | DOMESTIC | 40.625869 | -81.070454 |
| 3074 | 612643 | WASHINGTON | 220 | 106 | 8/13/1984 | SHALE | 2 | DOMESTIC | 40.626375 | -81.071501 |
| 3075 | 643616 | WASHINGTON | 141 | 135 | 3/11/1985 | CORED | | DOMESTIC | 40.626375 | -81.071501 |
| 3076 | 855298 | WASHINGTON | 47 | 13.5 | 4/17/1998 | SHALE | 8 | DOMESTIC | 40.623310 | -81.055170 |
| 3077 | 708355 | WASHINGTON | 110 | 30 | 3/13/1990 | SHALE | 10 | DOMESTIC | 40.627603 | -81.071085 |
| 3078 | 751150 | WASHINGTON | 145 | 108 | 12/30/1994 | SHELL | 2 | DOMESTIC | 40.625280 | -81.072451 |
| 3079 | 811004 | WASHINGTON | 115 | 40 | 3/23/1996 | SHELL | 6 | DOMESTIC | 40.627453 | -81.073606 |
| 3080 | 626198 | WASHINGTON | 179 | 131 | 2/10/1986 | SHALE | 2 | | 40.628336 | -81.074616 |
| 3081 | 833895 | WASHINGTON | 165 | 90 | 2/19/1997 | SHALE | 2 | DOMESTIC | 40.635488 | -81.086513 |
| 3082 | 812778 | WASHINGTON | 165 | 50 | 7/28/1995 | SHALE | 2 | OTHER | 40.633467 | -81.083831 |
| 3083 | 858924 | WASHINGTON | 150 | 51 | 10/24/1997 | SHALE | 3 | DOMESTIC | 40.632040 | -81.079680 |
| 3084 | 2084716 | WASHINGTON | 260 | 118 | 2/12/2021 | EXISTING WELL | | DOMESTIC | 40.641420 | -81.089160 |
| 3085 | 829688 | WASHINGTON | 300 | 98 | 10/10/1996 | SANDSTONE | 3 | DOMESTIC | 40.634406 | -81.085669 |
| 3086 | 891110 | WASHINGTON | 278 | 186 | 10/15/1999 | SHALE | | DOMESTIC | 40.640970 | -81.088960 |
| 3087 | 1012470 | WASHINGTON | 258 | 161 | 8/3/2009 | SANDSTONE | 4 | DOMESTIC | 40.633330 | -81.090830 |
| 3088 | 820034 | WASHINGTON | 260 | 133 | 7/26/1995 | SHALE | 8 | DOMESTIC | 40.636193 | -81.085831 |
| 3089 | 965320 | WASHINGTON | 255 | 139 | 11/25/2003 | SHALE | 10 | DOMESTIC | 40.634670 | -81.087500 |
| 3090 | 803470 | WASHINGTON | 238 | 170 | 6/14/1997 | SHALE | 1 | DOMESTIC | 40.641590 | -81.089930 |
| 3091 | 898848 | WASHINGTON | 340 | 150 | 11/30/1999 | SHALE | 10 | DOMESTIC | 40.641450 | -81.090360 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|------------|------------------|-------------------------|-----------------|-------------------|-----------------------|-----------------|--------------------|-------------------|
| 3092 | 839110 | WASHINGTON | 214 | 154 | 2/13/1997 | SHALE | 10 | DOMESTIC | 40.636230 | -81.089183 |
| 3093 | 839435 | WASHINGTON | 226 | 175 | 8/24/1996 | SHALE | 28 | DOMESTIC | 40.636942 | -81.087209 |
| 3094 | 913031 | WASHINGTON | 285 | 101 | 7/27/2000 | SANDSTONE | 7 | DOMESTIC | 40.642020 | -81.091010 |
| 3095 | 894278 | WASHINGTON | 150 | 100 | 5/31/2000 | SHALE | | DOMESTIC | 40.642020 | -81.091010 |
| 3096 | 799309 | WASHINGTON | 249 | 41.5 | 4/1/1995 | SHALE | 10 | DOMESTIC | 40.639589 | -81.088078 |
| 3097 | 345910 | WASHINGTON | 125 | 12.5 | 5/27/1967 | SHALE | 26 | TEST WELL | 40.628620 | -81.085130 |
| 3098 | 345913 | WASHINGTON | 125 | 18 | 8/22/1967 | SANDSTONE | 30 | PUBLIC/SEMI-PUB | 40.628540 | -81.088360 |
| 3099 | 356171 | WASHINGTON | 64 | 35 | 6/5/1967 | SAND | | DOMESTIC | 40.639040 | -81.079332 |
| 3100 | 382412 | WASHINGTON | 73 | 50 | 8/10/1968 | SANDSTONE | 3 | DOMESTIC | 40.639716 | -81.079210 |
| 3101 | 387865 | WASHINGTON | 125 | 65 | 2/28/1969 | SHALE | | DOMESTIC | 40.613465 | -81.079489 |
| 3102 | 400710 | WASHINGTON | 141 | 60 | 11/10/1969 | SHALE | 2 | DOMESTIC | 40.633637 | -81.079613 |
| 3103 | 400732 | WASHINGTON | 70 | 40 | 6/9/1970 | SHALE | 3 | | 40.613465 | -81.079489 |
| 3104 | 400740 | WASHINGTON | 61 | 24 | 7/24/1970 | SHALE | 4 | | 40.619619 | -81.080907 |
| 3105 | 400742 | WASHINGTON | 121 | | 7/31/1970 | SHALE | 6 | | 40.619849 | -81.081573 |
| 3106 | 424393 | WASHINGTON | 102 | 77 | 11/3/1971 | SANDSTONE | 4 | DOMESTIC | 40.641879 | -81.083364 |
| 3107 | 432417 | WASHINGTON | 65 | 2 | 4/19/1972 | SHALE | 4 | DOMESTIC | 40.621936 | -81.079730 |
| 3108 | 432418 | WASHINGTON | 159 | 90 | 4/26/1972 | SAND | 4 | | 40.623065 | -81.078875 |
| 3109 | 443621 | WASHINGTON | 100 | 65 | 10/19/1972 | SHALE | | DOMESTIC | 40.621936 | -81.079730 |
| 3110 | 480447 | WASHINGTON | 125 | 45 | 2/21/1977 | CLAY & SHALE | | | 40.626114 | -81.079081 |
| 3111 | 534182 | WASHINGTON | 176 | 119 | 3/18/1980 | SHALE | 4 | DOMESTIC | 40.642153 | -81.079896 |
| 3112 | 2069985 | WASHINGTON | 168 | 34.8 | 9/5/2018 | SHALE & SANDSTONE | 64 | MUNICIPAL | 40.628250 | -81.089470 |
| 3113 | 578666 | WASHINGTON | 125 | 70 | 11/19/1981 | SANDSTONE | | | 40.609973 | -81.077686 |
| 3114 | 679122 | WASHINGTON | 184 | 109 | 9/29/1988 | SANDSTONE | | DOMESTIC | 40.633467 | -81.079610 |
| 3115 | 798493 | WASHINGTON | 140 | 64 | 5/20/1995 | SHALE | 25 | DOMESTIC | 40.635167 | -81.079980 |
| 3116 | 858507 | WASHINGTON | 238 | 109 | 8/12/1997 | SHALE | | DOMESTIC | 40.635722 | -81.080900 |
| 3117 | 810080 | WASHINGTON | 360 | 70 | 12/13/1995 | SHALE | 10 | DOMESTIC | 40.638163 | -81.082061 |
| 3118 | 965323 | WASHINGTON | 108 | 55 | 12/10/2003 | CLEANOUT | 64 | DOMESTIC | 40.639500 | -81.079500 |
| 3119 | 1008240 | WASHINGTON | 227 | 123 | 10/30/2008 | | | DOMESTIC | 40.635040 | -81.079690 |
| 3120 | 772473 | WASHINGTON | 170 | 70 | 3/4/1994 | SANDSTONE | 12 | DOMESTIC | 40.644546 | -81.079199 |
| 3121 | 2050314 | WASHINGTON | 399 | 117.5 | 11/4/2014 | SHALE | 20 | MONITOR | 40.643168 | -81.075394 |
| 3122 | 2050326 | WASHINGTON | 259 | 150.8 | 11/5/2014 | SANDSTONE | | MONITOR | 40.643208 | -81.075402 |
| 3123 | 2050327 | WASHINGTON | 179 | 116.7 | 11/7/2014 | SANDSTONE | 12 | MONITOR | 40.643248 | -81.075420 |
| 3124 | 839440 | WASHINGTON | 65 | 20 | 9/5/1996 | CLEANOUT | | DOMESTIC | 40.644925 | -81.075773 |
| 3125 | 2065454 | WASHINGTON | 240 | 100 | 11/10/2017 | SHALE & SANDSTONE | 2 | DOMESTIC | 40.637200 | -81.082830 |
| 3126 | 1008216 | WASHINGTON | 104 | 26 | 1/10/2008 | SHALE | 4 | DOMESTIC | 40.585333 | -81.047500 |
| 3127 | 143559 | WASHINGTON | 36 | 17 | 11/13/1954 | SANDSTONE | | DOMESTIC | 40.631924 | -80.990635 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|------------|------------------|-------------------------|-----------------|-------------------|-----------------------|-------------|--------------------|-------------------|
| 3128 | 339917 | WASHINGTON | 64 | 25 | 11/26/1965 | SHALE | | DOMESTIC | 40.590739 | -80.998592 |
| 3129 | 353825 | WASHINGTON | 90 | | | SANDSTONE | 10 | DOMESTIC | 40.592306 | -81.019247 |
| 3130 | 387885 | WASHINGTON | 120 | 40 | 7/7/1969 | SHALE | 3 | DOMESTIC | 40.591960 | -81.041178 |
| 3131 | 387897 | WASHINGTON | 250 | 145 | 9/8/1969 | SHALE | 20 | | 40.590554 | -81.036398 |
| 3132 | 396688 | WASHINGTON | 130 | 42 | 7/15/1971 | SHALE | 42 | DOMESTIC | 40.591015 | -81.010196 |
| 3133 | 455420 | WASHINGTON | 156 | 60 | 7/14/1973 | SHALE | | DOMESTIC | 40.599211 | -80.985025 |
| 3134 | 803439 | WASHINGTON | 192 | 100 | 6/20/1995 | SHALE & COAL | 1 | DOMESTIC | 40.624932 | -80.989006 |
| 3135 | 718766 | WASHINGTON | 220 | 130 | 10/14/1991 | SHALE | | DOMESTIC | 40.625866 | -80.988925 |
| 3136 | 781579 | WASHINGTON | 123 | 45 | 10/18/1993 | SHALE | 14 | DOMESTIC | 40.626973 | -80.989816 |
| 3137 | 2044324 | WASHINGTON | 230 | 59.4 | 7/18/2013 | SHALE | 16 | MONITOR | 40.628899 | -80.988805 |
| 3138 | 2044325 | WASHINGTON | 160 | 56.4 | 7/19/2013 | SHALE | 14 | MONITOR | 40.628899 | -80.988805 |
| 3139 | 2044326 | WASHINGTON | 125 | 56.6 | 7/19/2013 | SHALE | 13 | MONITOR | 40.628899 | -80.988805 |
| 3140 | 2044327 | WASHINGTON | 70 | 56.6 | 7/18/2013 | SHALE | 16 | MONITOR | 40.628899 | -80.988805 |
| 3141 | 942258 | WASHINGTON | 80 | 28 | 3/15/2002 | SANDSTONE | 3 | AGRIC/IRRIG | 40.627370 | -80.986530 |
| 3142 | 206076 | WASHINGTON | 156 | 94 | 12/2/1957 | SHALE | 12 | DOMESTIC | 40.593162 | -80.987715 |
| 3143 | 480432 | WASHINGTON | 90 | 50 | 4/28/1976 | SHALE | 2 | DOMESTIC | 40.593123 | -81.026244 |
| 3144 | 493723 | WASHINGTON | 151 | 55 | 8/17/1976 | SHALE | 1 | | 40.592691 | -81.029068 |
| 3145 | 507554 | WASHINGTON | 150 | 110 | 7/16/1977 | SHALE | | | 40.592148 | -81.033201 |
| 3146 | 593388 | WASHINGTON | 102 | 70 | 8/31/1976 | SHALE | 12 | DOMESTIC | 40.592081 | -81.026995 |
| 3147 | 522428 | WASHINGTON | 250 | 175 | 11/25/1977 | SHALE | | DOMESTIC | 40.589587 | -81.042373 |
| 3148 | 659086 | WASHINGTON | 254 | 152 | 7/16/1987 | OLD WELL | | DOMESTIC | 40.589587 | -81.042373 |
| 3149 | 985779 | WASHINGTON | 440 | 120 | 12/2/2004 | | 2 | DOMESTIC | 40.591400 | -81.039480 |
| 3150 | 480450 | WASHINGTON | 177 | 75 | 5/17/1977 | CLAY & SHALE | 25 | | 40.590329 | -81.039119 |
| 3151 | 654446 | WASHINGTON | 374 | 200 | 8/31/1987 | SANDSTONE | | DOMESTIC | 40.590329 | -81.039119 |
| 3152 | 826988 | WASHINGTON | 350 | 165 | 12/2/1995 | SANDSTONE | | DOMESTIC | 40.590518 | -81.035931 |
| 3153 | 849730 | WASHINGTON | 631 | 287 | 8/11/1997 | SAND | 5 | AGRIC/IRRIG | 40.590513 | -81.035941 |
| 3154 | 924873 | WASHINGTON | 405 | 217 | 6/26/2003 | SANDSTONE & SHALE | 1 | DOMESTIC | 40.592570 | -81.029680 |
| 3155 | 858545 | WASHINGTON | 206 | 130 | 3/18/1998 | SHALE | | DOMESTIC | 40.592700 | -81.027020 |
| 3156 | 1019102 | WASHINGTON | 428 | 175 | 1/14/2016 | SHALE | | DOMESTIC | 40.592267 | -81.033417 |
| 3157 | 641752 | WASHINGTON | 205 | 55 | 5/14/1983 | SHALE | | DOMESTIC | 40.593333 | -81.030642 |
| 3158 | 826393 | WASHINGTON | 240 | 140 | 11/28/1995 | SANDSTONE | 55 | DOMESTIC | 40.594271 | -81.029479 |
| 3159 | 507595 | WASHINGTON | 244 | 146 | 9/24/1979 | FIRE CLAY | 15 | DOMESTIC | 40.592681 | -81.028001 |
| 3160 | 522379 | WASHINGTON | 145 | 75 | 8/6/1978 | SAND | 1 | DOMESTIC | 40.591963 | -81.028240 |
| 3161 | 820060 | WASHINGTON | 177 | 136 | 11/11/1995 | SHALE | 12 | DOMESTIC | 40.592955 | -81.026726 |
| 3162 | 839441 | WASHINGTON | 143 | 96 | 9/12/1996 | SHALE | | DOMESTIC | 40.592369 | -81.026652 |
| 3163 | 955564 | WASHINGTON | 135 | 90 | 12/3/2005 | | | DOMESTIC | 40.593770 | -81.024240 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|------------|------------------|-------------------------|-----------------|-------------------|-----------------------|-----------------|--------------------|-------------------|
| 3164 | 981444 | WASHINGTON | 155 | 44 | 8/3/2006 | SANDSTONE & SHALE | 5 | DOMESTIC | 40.593333 | -81.021666 |
| 3165 | 803452 | WASHINGTON | 83 | 35 | 6/29/1996 | SHALE | | DOMESTIC | 40.591026 | -81.017177 |
| 3166 | 957276 | WASHINGTON | 80 | 40 | 9/18/2003 | SHALE | | DOMESTIC | 40.586833 | -81.012516 |
| 3167 | 1008287 | WASHINGTON | 267 | 80 | 4/1/2010 | SHALE | | DOMESTIC | 40.590830 | -81.007700 |
| 3168 | 716307 | WASHINGTON | 224 | 126 | 8/4/1990 | SHALE | 5 | DOMESTIC | 40.591815 | -81.007153 |
| 3169 | 766999 | WASHINGTON | 163 | 61 | 10/11/1993 | SHALE | 2 | DOMESTIC | 40.595034 | -81.002173 |
| 3170 | 766959 | WASHINGTON | 252 | 108 | 4/26/1993 | SHALE | 13 | DOMESTIC | 40.590489 | -81.004473 |
| 3171 | 955567 | WASHINGTON | 175 | 120 | 7/1/2004 | | 2 | DOMESTIC | 40.590990 | -80.999500 |
| 3172 | 795248 | WASHINGTON | 76 | 20 | 1/23/1995 | SANDSTONE | | DOMESTIC | 40.591370 | -81.001744 |
| 3173 | 803442 | WASHINGTON | 176 | 85 | 8/19/1995 | SANDSTONE | 7 | DOMESTIC | 40.591982 | -80.999973 |
| 3174 | 898276 | WASHINGTON | 161 | 51 | 6/25/1999 | SANDSTONE | 14 | DOMESTIC | 40.591480 | -80.998240 |
| 3175 | 449836 | WASHINGTON | 60 | 50 | 11/20/1973 | SHALE | 17 | DOMESTIC | 40.592190 | -80.997842 |
| 3176 | 866823 | WASHINGTON | 110 | 7 | 4/12/2001 | CLAY & SHALE | | DOMESTIC | 40.591850 | -80.997120 |
| 3177 | 3006281 | WASHINGTON | 215 | 51 | 2/14/2023 | SANDSTONE | 5 | AGRIC/IRRIG | 40.594844 | -80.996307 |
| 3178 | 659096 | WASHINGTON | 224 | 63 | 8/21/1987 | SHALE | 2 | DOMESTIC | 40.598733 | -80.986743 |
| 3179 | 716324 | WASHINGTON | 173 | 67 | 11/19/1990 | SANDSTONE | | DOMESTIC | 40.598370 | -80.985167 |
| 3180 | 858925 | WASHINGTON | 100 | 19 | 10/24/1997 | SHALE | 2 | DOMESTIC | 40.610330 | -80.985470 |
| 3181 | 902218 | WASHINGTON | 100 | 21 | 1/20/2000 | SHALE | 7 | DOMESTIC | 40.610330 | -80.985470 |
| 3182 | 952372 | WASHINGTON | 150 | | 4/23/2003 | LOAM | 5 | DOMESTIC | 40.593330 | -81.023540 |
| 3183 | 1016769 | WASHINGTON | 216 | 122 | 9/7/2012 | SHALE | | DOMESTIC | 40.644617 | -81.079067 |
| 3184 | 370054 | WASHINGTON | 173 | 130 | 9/18/1967 | SANDSTONE | 72 | DOMESTIC | 40.635459 | -81.044929 |
| 3185 | 387857 | WASHINGTON | 70 | 20 | 11/20/1968 | SHALE | 28 | DOMESTIC | 40.628409 | -81.036807 |
| 3186 | 396695 | WASHINGTON | 45 | 25 | 9/1/1971 | LIMESTONE | 27 | DOMESTIC | 40.630806 | -81.042288 |
| 3187 | 411963 | WASHINGTON | 70 | 16 | 10/5/1970 | SHALE | | | 40.625756 | -81.018669 |
| 3188 | 930223 | WASHINGTON | 149 | 24 | 1/18/2002 | SHALE | 2 | DOMESTIC | 40.639650 | -81.044790 |
| 3189 | 2038849 | WASHINGTON | 150 | | 7/31/2012 | SHALE | 15 | HEATING/COOLING | 40.642640 | -81.058110 |
| 3190 | 2045818 | WASHINGTON | 215 | 152 | 7/22/2013 | SHALE & SANDSTONE | 14 | DOMESTIC | 40.636656 | -81.044499 |
| 3191 | 877466 | WASHINGTON | 100 | 10 | 11/12/1998 | SANDSTONE | 15 | DOMESTIC | 40.630190 | -81.036920 |
| 3192 | 909974 | WASHINGTON | 201 | 134 | 3/26/2001 | CLEANOUT | | DOMESTIC | 40.674440 | -81.044900 |
| 3193 | 877474 | WASHINGTON | 200 | 47 | 1/12/1999 | SHALE | 3 | DOMESTIC | 40.629410 | -81.036890 |
| 3194 | 820056 | WASHINGTON | 148 | 31 | 10/28/1995 | SHALE | 36 | DOMESTIC | 40.627219 | -81.037118 |
| 3195 | 679134 | WASHINGTON | 268 | 48 | 10/31/1988 | SHALE | 13 | DOMESTIC | 40.626119 | -81.033200 |
| 3196 | 702356 | WASHINGTON | 359 | 125 | 9/30/1989 | SANDSTONE | 268 | DOMESTIC | 40.626207 | -81.034339 |
| 3197 | 718770 | WASHINGTON | 133 | 45 | 11/18/1991 | SHALE | 27 | AGRIC/IRRIG | 40.628166 | -81.025033 |
| 3198 | 671890 | WASHINGTON | 114 | 50 | 5/22/1990 | SHALE | | DOMESTIC | 40.625906 | -81.019826 |
| 3199 | 2089770 | WASHINGTON | 60 | 30 | 10/23/2021 | SANDSTONE | | DOMESTIC | 40.625604 | -81.018545 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|------------|------------------|-------------------------|-----------------|-------------------|-----------------------|----------|--------------------|-------------------|
| 3200 | 1008232 | WASHINGTON | 105 | 37 | 8/15/2008 | SANDSTONE | 4 | DOMESTIC | 40.625500 | -81.014330 |
| 3201 | 854850 | WASHINGTON | 245 | 70 | 11/11/1997 | SHALE | 10 | DOMESTIC | 40.625630 | -81.019860 |
| 3202 | 387898 | WASHINGTON | 65 | 31 | 9/9/1969 | SAND | | DOMESTIC | 40.603971 | -81.055950 |
| 3203 | 473183 | WASHINGTON | 88 | 12 | 6/29/1975 | SANDSTONE | | DOMESTIC | 40.609670 | -81.052942 |
| 3204 | 480448 | WASHINGTON | 46 | 15 | 3/9/1977 | SANDSTONE | | DOMESTIC | 40.605700 | -81.054399 |
| 3205 | 572356 | WASHINGTON | 79 | 25 | 6/9/1980 | SAND | | DOMESTIC | 40.603022 | -81.056040 |
| 3206 | 599266 | WASHINGTON | 60 | 24 | 8/7/1982 | SANDSTONE | | DOMESTIC | 40.608842 | -81.053186 |
| 3207 | 2048155 | WASHINGTON | 80 | 30 | 7/10/2014 | SANDSTONE | 18 | DOMESTIC | 40.610497 | -81.052992 |
| 3208 | 1016798 | WASHINGTON | 123 | 18 | 5/23/2014 | SHALE | | DOMESTIC | 40.611383 | -81.012900 |
| 3209 | 206065 | WASHINGTON | 56 | 24 | | SHALE | | DOMESTIC | 40.590563 | -80.993590 |
| 3210 | 509499 | WASHINGTON | 120 | 85 | 11/2/1978 | SHALE | 38 | DOMESTIC | 40.607517 | -81.013602 |
| 3211 | 522399 | WASHINGTON | 49 | 10 | 11/16/1978 | SHALE | 8 | | 40.591208 | -80.993295 |
| 3212 | 795233 | WASHINGTON | 223 | 70 | 1/6/1997 | SHALE | | DOMESTIC | 40.582707 | -80.977839 |
| 3213 | 613608 | WASHINGTON | 81 | 38 | 7/14/1984 | SHALE | 15 | DOMESTIC | 40.581626 | -80.977437 |
| 3214 | 955557 | WASHINGTON | 85 | 20 | 7/3/2003 | SHALE | 21 | DOMESTIC | 40.584150 | -80.978700 |
| 3215 | 883320 | WASHINGTON | 200 | 13 | 9/28/1999 | SANDSTONE | | DOMESTIC | 40.581180 | -80.974380 |
| 3216 | 858920 | WASHINGTON | 200 | 78 | 10/11/1997 | SANDSTONE | 4 | DOMESTIC | 40.581590 | -80.974920 |
| 3217 | 829717 | WASHINGTON | 200 | 82 | 6/17/1997 | SANDSTONE | 3 | DOMESTIC | 40.584116 | -80.981530 |
| 3218 | 829707 | WASHINGTON | 175 | 48 | 3/7/1997 | SHALE | 1 | DOMESTIC | 40.582745 | -80.985114 |
| 3219 | 802791 | WASHINGTON | 100 | 44 | 4/27/1995 | SANDSTONE | 4 | DOMESTIC | 40.586787 | -80.985305 |
| 3220 | 829698 | WASHINGTON | 200 | 94 | 12/17/1996 | SANDSTONE | 8 | DOMESTIC | 40.586291 | -80.988706 |
| 3221 | 908297 | WASHINGTON | 120 | 20 | 3/23/2000 | SAND & ROCK | 40 | DOMESTIC | 40.588900 | -80.990300 |
| 3222 | 2064809 | WASHINGTON | 68 | 17 | 9/15/2017 | SANDSTONE | 8 | DOMESTIC | 40.602588 | -81.009385 |
| 3223 | 3008553 | WASHINGTON | 60 | 10 | 6/23/2023 | SANDSTONE | 42 | DOMESTIC | 40.603260 | -81.009290 |
| 3224 | 930269 | WASHINGTON | 254 | 59 | 6/23/2003 | SHALE & LIMESTONE | 5 | DOMESTIC | 40.596740 | -80.992400 |
| 3225 | 721428 | WASHINGTON | 240 | 55 | 11/13/1991 | SHALE | | DOMESTIC | 40.607660 | -81.011748 |
| 3226 | 932488 | WASHINGTON | 300 | 57 | 8/17/2002 | OLD WELL | | DOMESTIC | 40.597270 | -80.992760 |
| 3227 | 820037 | WASHINGTON | 119 | 37 | 8/11/1995 | SANDSTONE | 12 | DOMESTIC | 40.609172 | -81.013531 |
| 3228 | 1016773 | WASHINGTON | 75 | 18 | 10/19/2012 | SHALE | | DOMESTIC | 40.611383 | -81.012900 |
| 3229 | 891173 | WASHINGTON | 193 | 31 | 3/30/2000 | SAND & ROCK | | DOMESTIC | 40.598980 | -80.993600 |
| 3230 | 877445 | WASHINGTON | 200 | 107 | 9/21/1998 | SHALE | 5 | DOMESTIC | 40.604780 | -80.997250 |
| 3231 | 963616 | WASHINGTON | 120 | 29 | 9/15/2003 | SHALE | 24 | DOMESTIC | 40.617720 | -81.013500 |
| 3232 | 747217 | WASHINGTON | 82 | 25 | 6/29/1994 | SHALE | | DOMESTIC | 40.631432 | -80.985976 |
| 3233 | 527956 | WASHINGTON | 164 | 65 | 7/29/1978 | SHALE | | DOMESTIC | 40.595750 | -80.983572 |
| 3234 | 635633 | WASHINGTON | 158 | 68 | 8/9/1986 | SANDSTONE | 2 | DOMESTIC | 40.601924 | -80.981185 |
| 3235 | 516381 | WASHINGTON | 200 | 125 | 10/1/1977 | SANDSTONE | | DOMESTIC | 40.597981 | -80.980910 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|------------|------------------|-------------------------|-----------------|-------------------|-----------------------|-------------|--------------------|-------------------|
| 3236 | 659077 | WASHINGTON | 178 | 60 | 6/9/1987 | SANDSTONE | | DOMESTIC | 40.597981 | -80.980910 |
| 3237 | 273714 | WASHINGTON | 80 | 27 | | SHALE | 52 | | 40.564868 | -81.001951 |
| 3238 | 325090 | WASHINGTON | 133 | 20 | 10/11/1966 | SHALE | 1 | | 40.571103 | -81.000154 |
| 3239 | 356154 | WASHINGTON | 138 | 65 | 11/1/1966 | ROCK | 5 | DOMESTIC | 40.576332 | -81.001773 |
| 3240 | 368427 | WASHINGTON | 100 | 20 | 10/22/1971 | SAND | 1 | | 40.569750 | -81.002215 |
| 3241 | 458336 | WASHINGTON | 65 | 27 | 7/20/1974 | SHALE | 17 | DOMESTIC | 40.571860 | -81.000916 |
| 3242 | 803427 | WASHINGTON | 155 | 45 | 10/25/1994 | SHALE | | DOMESTIC | 40.572291 | -81.000955 |
| 3243 | 615925 | WASHINGTON | 138 | 16 | 7/28/1984 | LIMESTONE | 19 | DOMESTIC | 40.569213 | -81.001023 |
| 3244 | 721706 | WASHINGTON | 198 | | 4/15/1991 | SANDSTONE | 8 | DOMESTIC | 40.568678 | -81.001378 |
| 3245 | 516355 | WASHINGTON | 180 | 70 | 4/25/1977 | SHALE | | DOMESTIC | 40.565822 | -81.001914 |
| 3246 | 516383 | WASHINGTON | 182 | 80 | 10/19/1977 | SHALE | | DOMESTIC | 40.565674 | -81.003022 |
| 3247 | 747187 | WASHINGTON | 121 | 40 | 7/20/1992 | SHALE | | DOMESTIC | 40.565932 | -81.002118 |
| 3248 | 1008567 | WASHINGTON | 85 | 23 | 6/10/2008 | SANDSTONE | 4 | DOMESTIC | 40.564483 | -81.003433 |
| 3249 | 767000 | WASHINGTON | 373 | 114 | 10/11/1993 | SANDSTONE | 2 | DOMESTIC | 40.586911 | -81.001768 |
| 3250 | 781578 | WASHINGTON | 118 | 38 | 4/1/1949 | SANDSTONE | 12 | DOMESTIC | 40.586907 | -81.001783 |
| 3251 | 955558 | WASHINGTON | 70 | 10 | 7/7/2003 | SHALE | 20 | DOMESTIC | 40.587780 | -81.000500 |
| 3252 | 858539 | WASHINGTON | 104 | | 1/22/1998 | SHALE | 28 | DOMESTIC | 40.584100 | -80.998720 |
| 3253 | 671527 | WASHINGTON | 193 | 4 | 1/30/1988 | SHALE | 8 | DOMESTIC | 40.561246 | -81.009417 |
| 3254 | 453771 | WASHINGTON | 95 | 35 | | SHALE | 15 | | 40.619514 | -81.081510 |
| 3255 | 1019696 | WASHINGTON | 135 | 35 | 8/26/2017 | SHALE | | DOMESTIC | 40.589047 | -80.999550 |
| 3256 | 1002430 | WASHINGTON | 134 | 23 | 8/15/2006 | SANDSTONE & SHALE | | DOMESTIC | 40.604667 | -80.984833 |
| 3257 | 877497 | WASHINGTON | 200 | 92 | 5/1/1999 | SHALE | 2 | DOMESTIC | 40.639060 | -81.025750 |
| 3258 | 671895 | WASHINGTON | 196 | 150 | 8/20/1990 | SHALE | 2 | | 40.642722 | -81.025635 |
| 3259 | 1004862 | WASHINGTON | 200 | 86 | 4/28/2010 | SANDSTONE & SHALE | 5 | AGRIC/IRRIG | 40.639320 | -81.025270 |
| 3260 | 1012262 | WASHINGTON | 265 | 79 | 9/30/2010 | | 9 | DOMESTIC | 40.644533 | -81.026083 |
| 3261 | 659054 | WASHINGTON | 204 | 60 | 12/4/1986 | SHALE | | DOMESTIC | 40.644589 | -81.026647 |
| 3262 | 883737 | WASHINGTON | 156 | 52 | 11/10/1998 | SANDSTONE | 8 | DOMESTIC | 40.590720 | -81.025910 |
| 3263 | 520508 | WASHINGTON | 125 | 70 | 6/14/1977 | SHALE | | DOMESTIC | 40.593074 | -81.024047 |
| 3264 | 803467 | WASHINGTON | 180 | 90 | 4/25/1997 | SAND & ROCK | | DOMESTIC | 40.614490 | -80.975010 |
| 3265 | 143594 | WASHINGTON | 70 | 35 | 9/20/1955 | SHALE | 40 | DOMESTIC | 40.595972 | -81.019284 |
| 3266 | 255365 | WASHINGTON | 43 | 15 | | SHALE | 36 | DOMESTIC | 40.604122 | -81.011788 |
| 3267 | 318406 | WASHINGTON | 80 | 35 | 9/11/1964 | SHALE | | DOMESTIC | 40.601293 | -80.996341 |
| 3268 | 339937 | WASHINGTON | 48 | 28 | | SHALE | 30 | DOMESTIC | 40.620801 | -80.990198 |
| 3269 | 514548 | WASHINGTON | 145 | 61 | 3/12/1978 | SAND | | DOMESTIC | 40.590033 | -81.025552 |
| 3270 | 516385 | WASHINGTON | 350 | 100 | 11/19/1977 | SHALE | | | 40.590227 | -81.027095 |
| 3271 | 522653 | WASHINGTON | 190 | 65 | 8/3/1977 | SAND | | DOMESTIC | 40.590033 | -81.025552 |

| # | Record Number | Township | Total Depth (ft) | Static Water Level (ft) | Completion Date | Aquifer Type | Depth to Bedrock (ft) | Well Use | Longitude (WGS 84) | Latitude (WGS 84) |
|------|---------------|------------|------------------|-------------------------|-----------------|--------------|-----------------------|------------|--------------------|-------------------|
| 3272 | 932485 | WASHINGTON | 115 | 30 | 7/25/2002 | SHALE | | DOMESTIC | 40.594330 | -81.023000 |
| 3273 | 932490 | WASHINGTON | 100 | 26 | 4/20/2002 | SAND & CLAY | 7 | DOMESTIC | 40.594830 | -81.022830 |
| 3274 | 1016772 | WASHINGTON | 165 | 60 | 10/12/2012 | SANDSTONE | | DOMESTIC | 40.594700 | -81.019133 |
| 3275 | 917805 | WASHINGTON | 238 | 65 | 11/7/2000 | SHALE | | DOMESTIC | 40.598060 | -81.012080 |
| 3276 | 955552 | WASHINGTON | 127 | 40 | 11/25/2002 | SHALE | 3 | DOMESTIC | 40.598250 | -81.011310 |
| 3277 | 939347 | WASHINGTON | 300 | 95 | 5/22/2002 | SANDSTONE | | DOMESTIC | 40.599670 | -81.005630 |
| 3278 | 464185 | WASHINGTON | 155 | 95 | 6/8/1974 | ROCK | 35 | DOMESTIC | 40.591910 | -81.029858 |
| 3279 | 464245 | WASHINGTON | 195 | 105 | 9/27/1974 | SHALE | | DOMESTIC | 40.589677 | -81.030284 |
| 3280 | 909952 | WASHINGTON | 209 | 85 | 4/12/2000 | SHALE | 2 | DOMESTIC | 40.592060 | -81.030370 |
| 3281 | 987634 | WASHINGTON | 168 | 105 | 11/11/2004 | | 2 | DOMESTIC | 40.629000 | -81.021000 |
| 3282 | 103402 | WASHINGTON | 100 | 20 | 12/8/1952 | SHALE | 60 | | 40.619187 | -81.089749 |
| 3283 | 143551 | WASHINGTON | 84 | 20 | 10/16/1954 | SHALE | 42 | DOMESTIC | 40.620339 | -81.077474 |
| 3284 | 192454 | WASHINGTON | 130 | 16.5 | 11/18/1957 | SHALE | 16 | MUNICIPAL | 40.623319 | -81.089712 |
| 3285 | 283277 | WASHINGTON | 80 | 33 | 2/28/1963 | SANDSTONE | 30 | DOMESTIC | 40.617998 | -81.086985 |
| 3286 | 651630 | WASHINGTON | 160 | 40 | 8/29/1988 | SHALE | 14 | | 40.625600 | -81.087340 |
| 3287 | 799311 | WASHINGTON | 315 | 90 | 4/1/1995 | CLEANOUT | | DOMESTIC | 40.620107 | -81.078207 |
| 3288 | 1014659 | WASHINGTON | 226 | 147 | 6/19/2012 | LIMESTONE | | COMMERCIAL | 40.620300 | -81.068667 |