

ITEM 3

Waters Delineation Report

3.0 WATERS DELINEATION REPORT

Delineation and Jurisdictional Determination: The applicant has prepared and submitted as part of the USACE PCN, a Wetland Delineation Report that addresses all of the wetlands, streams, and ponds identified as occurring within the project's Survey Corridor. The Survey Corridor for this project was for the most part a 300-ft wide corridor centered on the proposed alignment. The Survey Corridor was expanded in numerous areas to cover additional areas where potential constraints, e.g., other foreign pipelines were in place or being proposed, additional work areas were anticipated, or possible reroutes were anticipated; however, the standard Survey Corridor was 300 feet wide. In addition, the proposed lay-down yard and the proposed access roads were also surveyed (30 ft to either side of paved roads and 50 ft to either side of gravel or field roads) for the presence of waters of the U.S. to insure that no impacts to waters of the U.S. would occur during construction of the pipeline within these areas.

The Project survey corridor was evaluated according to the procedures outlined in the U.S. Army Corps of Engineers (USACE) *1987 Wetland Delineation Manual (1987 Manual)* (Environmental Laboratory, 1987) and the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Eastern Mountains and Piedmont Region (Version 2.0) (Regional Supplement)* (USACE, 2012). The *Regional Supplement* was released in April 2012 by the USACE to address regional wetland characteristics and improve the accuracy and efficiency of wetland delineation procedures. The *1987 Manual and Regional Supplement* define wetlands as areas that have positive evidence of three environmental parameters: hydric soils, wetland hydrology, and hydrophytic vegetation. Wetland boundaries are placed where one or more of these parameters give way to upland characteristics.

During field surveys between May, 2014 and March, 2015, the physical boundaries of observed water features were recorded using sub-decimeter accurate Trimble Global Positioning System (GPS) units. The GPS data was then imported in to ArcMap GIS software where the data was then reviewed and edited for errors.

The applicant elected to prepare and submit as part of the PCN, a Preliminary Jurisdictional Determination (PJD) which can be found in Item 4 – Correspondence. For the purposes of the PJD and the PCN, all identified wetlands, streams, and ponds within the Survey Corridor are considered as waters of the U.S. The PJD was finalized by the USACE on July 17, 2015 (see documentation in Item 4). The attached PJD documentation resulted in the determination that 199 streams totaling 80,470 linear feet of non-wetland waters (Cowardin classification is Riverine, and streams included ephemeral, intermittent, and perennial flow classifications) within the Survey Corridor. In addition, the PJD identifies 78.63 acres of wetlands (Cowardin classes include PEM, PSS, PFO, PUB, and POW) and 13.63 acres of ponds. The complete Waters of the U.S. Delineation Report is being submitted in electronic format only due to the large size (over 233 megabytes and 3,500 pages) of this document and all of its attachments, i.e., photos and datasheets. The Delineation Report addresses all waters of the U.S. identified within the Survey Corridor. For the purposes of this copy of the application materials only the text, tables, and vicinity map are being included in hard copy, the full Delineation Report has been provided electronically on the CD accompanying this application.

As part of the field review of wetlands within the study area, wetland biologists used Ohio EPA's Ohio Rapid Assessment Methodology (ORAM v. 5.0) to obtain information on the quality and functional status of each identified wetland. ORAM scores are used in Ohio to assign a "wetland category" and they have three categories, Category 1 (lowest quality wetlands), Category 2 (wetlands of moderate quality), and Category 3 (highest quality wetlands).

As required, the 10-page ORAM forms have previously been provided to OEPA in both electronic and paper copy for review and approval as part of the USACE PCN process. A site inspection was held with Mr. Todd Surrena of the OEPA for the purpose of confirming the ORAM scoring to be accurate. Item 4 – Correspondence contains an email from Mr. Surrena confirming that the ORAM scoring was accurate and acceptable to OEPA.

Stream assessments were conducted using the methods described in the OEPA's Methods for Assessing Habitat in Flowing Waters: Using OEPA's *Qualitative Habitat Evaluation Index* (Rankin, 2006) and *Field Evaluation Manual for Ohio's Primary Headwater Habitat Streams, Version 3*.

CORNERSTONE CONDENSATE PIPELINE PROJECT

WETLAND DELINEATION AND STREAM ASSESSMENT REPORT

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LIST OF ACRONYMS and ABBREVIATIONS

CWA	Clean Water Act
DBH	Diameter at Breast Height
EPA	Environmental Protection Agency
FAC	Facultative
FACU	Facultative Upland
FACW	Facultative Wetland
GPS	Global Positioning System
HHEI	Headwater Habitat Evaluation Index
HUC	Hydrologic Unit Code
IBI	Index of Biotic Integrity
NRCS	Natural Resources Conservation Service
NWI	National Wetlands Inventory
OBL	Obligate Wetland
OEPA	Ohio Environmental Protection Agency
OHWM	Ordinary High Water Mark
ORAM	Ohio Rapid Assessment Method
PEM	Palustrine Emergent
PHWH	Primary Headwater Habitat
POW	Palustrine Open Water
PSS	Palustrine Scrub/Shrub
PUB	Palustrine Unconsolidated Bottom
QHEI	Qualitative Habitat Evaluation Index
ROW	Right-of-Way
UPL	Upland
U.S.	United States
USACE	United States Army Corps of Engineers

USDA	United States Department of Agriculture
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey

1.0 INTRODUCTION

Marathon Pipe Line LLC (“Marathon”) is proposing to construct a pipeline for the transport of Utica Shale condensate, natural gas, diluent, and butane liquids from processing facilities near Cadiz, Ohio to the MPC Canton Refinery and the ORPL East Sparta Tank Farm. This Project has been proposed in order to address the identified need for efficient and safe delivery of natural gas condensate from the Utica Shale to refineries in order to meet the needs of producers, mid-streamers, marketers, diluent blenders, and refiners as the Utica Shale continues to develop. Production to condensate continues to grow from the Utica Shale and this pipeline will help deliver the condensate to refineries where it can be processed into gasoline and diesel. Additionally, this pipeline will transport natural gasoline which will be used to create additional gasoline in the United States, and also delivered to Canada as diluent to be blended with more viscous crude for pipeline transportation. Butane can also be moved on this system and can be utilized by refineries to create more gasoline and also is utilized as a heating source by industrial and residential consumers.

The selected alignment for the new pipeline reflects an accommodation of landowner concerns, input from all relevant state and federal agencies, and avoidance/minimization of significant adverse impacts to the waters of the U.S., protected species, and cultural resources. The decision to co-locate as much of the proposed pipeline with currently existing foreign (i.e., owned by other companies) pipelines was based principally on Marathon’s corporate position of minimizing impacts to the environment. Co-locating allows Marathon to utilize a portion of the existing maintained right-of-way (ROW) of the paralleling foreign pipeline, thereby minimizing the amount of disturbance to areas outside of the already disturbed ROW.

The proposed Project will be located in portions of Stark, Tuscarawas, Carroll, and Harrison counties, Ohio for a total length of approximately 50.1 miles. The Project is referred to as the Cornerstone Condensate Pipeline Project (Project). The proposed Project is illustrated on Figure 1.

Land uses crossed by the Project report corridor were assigned a general classification based upon the principal land characteristics of the location as observed from within a given area, aerial photograph review, and field surveys. General land use types crossed by the proposed Project include: agricultural land, old fields including pipeline ROW, scrub-shrub, wooded uplands (young to mature oak-mixed mesophytic forests and young maple-mixed mesophytic forests), wetlands, active/historic mining sites and residential lots. Old fields including pipeline ROW and wooded uplands are the most dominant land uses along the Project.

URS conducted a wetland delineation to identify ecological features along the Project survey corridor. This document will outline the methodologies used and the results of the wetland delineation conducted in several field mobilizations between May, 2014 and March, 2015.

2.0 METHODOLOGY

The purpose of the field survey was to assess whether wetlands and other “waters of the U.S.” exist within the Project survey corridor (area surrounding the proposed pipeline centerline), as well as within proposed laydown yards and within 60-100 feet of proposed access roads. The Project alignment survey corridor ranges in width from approximately 160-1,100 feet, however it was intended to be a consistent 300 feet wide before reroutes. The access road survey corridors are either 60-feet wide for existing blacktop and gravel roads, or 100-feet wide for dirt roads. The laydown yard is approximately 18.3 acres. Collectively the Project alignment survey corridor, access road survey corridors and laydown yard survey area are referred to as the “Project survey corridor”. Prior to conducting field surveys, digital and published county Natural Resources Conservation Service (NRCS) soil surveys, U.S. Fish and Wildlife Service (USFWS) National Wetland Inventory (NWI) maps, and U.S. Geological Survey (USGS) 7.5-minute topographic maps were reviewed as an exercise to identify the occurrence and location of potential wetland areas.

During field surveys between May, 2014 and March, 2015, the physical boundaries of observed water features were recorded using sub-decimeter accurate Trimble Global Positioning System (GPS) units. The GPS data was then imported in to ArcMap GIS software where the data was then reviewed and edited for errors.

2.1 WETLANDS

The Project survey corridor was evaluated according to the procedures outlined in the U.S. Army Corps of Engineers (USACE) *1987 Wetland Delineation Manual (1987 Manual)* (Environmental Laboratory, 1987) and the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Eastern Mountains and Piedmont Region (Version 2.0) (Regional Supplement)* (USACE, 2012). The *Regional Supplement* was released in April 2012 by the USACE to address regional wetland characteristics and improve the accuracy and efficiency of wetland delineation procedures. The *1987 Manual and Regional Supplement* define wetlands as areas that have positive evidence of three environmental parameters: hydric soils, wetland hydrology, and hydrophytic vegetation. Wetland boundaries are placed where one or more of these parameters give way to upland characteristics.

Since quantitative data were not available for any of the identified wetlands, URS utilized the routine delineation method described in the *1987 Manual* and *Regional Supplement* that consisted of a pedestrian site reconnaissance, including identifying the vegetation communities, soils identification, a geomorphologic assessment of hydrology, and notation of disturbance. The methodology used to examine each parameter is described in the following sections. Completed USACE wetland delineation forms (wetland and upland) recorded for the site are provided in Appendix A.

2.1.1 SOILS

Soils were examined using a shovel to extract soil samples. The soils were examined for hydric soil characteristics. A *Munsell Soil Color Chart* (Kollmorgen Corporation, 2000) was used to identify the hue, value, and chroma of the matrix and mottles of the soils. Generally, mottled soils with a matrix chroma of two or less, or unmottled soils with a matrix chroma of one or less are considered to exhibit hydric soil characteristics (Environmental Laboratory, 1987).

2.1.2 HYDROLOGY

The *1987 Manual* requires that an area be inundated or saturated to the surface for an absolute minimum of five percent of the growing season (areas saturated between five percent and 12.5 percent of the growing season may or may not be wetlands, while areas saturated over 12.5 percent of the growing season fulfill the hydrology requirements for wetlands). The *Regional Supplement* states that the growing season dates are determined through onsite observations of the following indicators of biological activity in a given year: (1) above-ground growth and development of vascular plants, and/or (2) soil temperature (12-in. depth) is 41 degree Fahrenheit (°F) or higher as an indicator of soil microbial activity. Therefore, the beginning of the growing season in a given year is indicated by whichever condition occurs earlier, and the end of the growing season by whichever persists later.

The *Regional Supplement* also states that if onsite data gathering is not practical, the growing season can be approximated by the number of days between the average (five years out of ten, or 50 percent probability) date of the last and first 28°F air temperature in the spring and fall, respectively. The National Weather Service WETS data obtained from the NRCS National Water and Climate Center reveals that in an average year, this period lasts from April 14 to October 29, or 198 days. In the Project area, five percent of the growing season equates to approximately 10 days (USDA 2015)

The soils and ground surface were examined for evidence of wetland hydrology in lieu of detailed historical hydrological data of the project site. This is an acceptable approach according

to the *1987 Manual* and the *Regional Supplement*. Evidence indicating wetland hydrology typically includes primary indicators such as surface water, saturation, water marks, drift deposits, water-stained leaves, sediment deposits and oxidized rhizospheres on living roots; and secondary indicators such as, drainage patterns, geomorphic position, micro-topographic relief, and a positive Facultative (FAC)-neutral test (USACE, 2012).

2.1.3 VEGETATION

Dominant vegetation was visually assessed for each stratum (tree, sapling/shrub, herb and woody vine) and an indicator status of obligate wetland (OBL), facultative wetland (FACW), facultative (FAC), facultative upland (FACU), and/or upland (UPL) was assigned to each plant species based on the U.S. Army Corps of Engineers *2014 National Wetland Plant List: Eastern Mountains and Piedmont Region*, which encompasses the entire Project area. An area is determined to have hydrophytic vegetation when, under normal circumstances, 50 percent or more of the composition of the dominant species are OBL, FACW and/or FAC species. Vegetation of an area was determined to be non-hydrophytic when more than 50 percent of the composition of the dominant species was FACU and/or UPL species. In addition to the dominance test, the FAC-Neutral test and prevalence tests can be used to determine if a wetland has a predominance of hydrophytic vegetation.

Recent USACE guidance indicates that to the extent possible, the hydrophytic vegetation decision should be based on the plant community that is normally present during the wet portion of the growing season in a normal rainfall year (USACE, 2011).

2.1.4 WETLAND CLASSIFICATIONS

Wetlands were classified based on the naming convention found in *Classification of Wetlands and Deepwater Habitats of the United States* (Cowardin *et al*, 1979). Typically, wetlands in this region of Ohio fall into one of the following categories:

- **PEM** – Emergent wetlands are characterized by erect, rooted, herbaceous hydrophytes, excluding mosses and lichens. This vegetation is present for most of the growing season in most years. These wetlands are usually dominated by perennial plants.
- **PSS** – Scrub/shrub wetlands are characterized by woody vegetation that is less than three inches diameter at breast height (DBH), and greater than 3.28 feet tall. The woody angiosperms (i.e. small trees or shrubs) in this broad leaved deciduous community have relatively wide, flat leaves that are shed annually during the cold or dry season.

- **PFO** – Forested wetlands are characterized by woody vegetation that is 3 inches or more DBH, regardless of height. The woody angiosperms (i.e. trees or shrubs) in this broad leaved deciduous community have relatively wide, flat leaves that are shed annually during the cold or dry season.
- **POW** - Open water wetlands are characterized by a body of water with unknown depth and no indication of vegetation.
- **PUB** – Unconsolidated bottom wetlands are characterized by a body of water with up to 30% vegetative cover.

2.1.5 OHIO RAPID ASSESSMENT METHOD v. 5.0

The ecological function and integrity of the wetland areas identified were assessed using the OEPA prescribed Ohio Rapid Assessment Method (ORAM), v. 5.0 for wetlands (Mack 2001). The ORAM is an assessment tool that evaluates wetlands and groups them into categories based on their functions and integrity. These categories are used by OEPA to determine project water quality impacts for Section 401 of the Clean Water Act. Wetlands are scored on the basis of hydrology, upland buffer, habitat alteration, special wetland communities, and vegetation communities. Each of these subject areas is further divided into subcategories under ORAM v. 5.0 resulting in a score that describes the wetland using a range from 0 (low quality and high disturbance) to 100 (high quality and low disturbance). Wetlands scored from 0 to 29.9 are grouped into "Category 1", 30 to 59.9 are "Category 2" and 60 to 100 are "Category 3". Transitional zones exist between "Categories 1 and 2" from 30 to 34.9 and between "Categories 2 and 3" from 60 to 64.9. However, according to the OEPA, if the wetland score falls into the transitional range, it must be given the higher Category unless scientific data can prove it should be in a lower Category (Mack, 2001). The ORAM scores for the wetlands that were delineated are discussed in Section 3.1.4 of this report.

Category 1 Wetlands

Category 1 wetlands support minimal wildlife habitat, hydrological and recreational functions, and do not provide for or contain critical habitats for threatened or endangered species. In addition, Category 1 wetlands are often hydrologically isolated and have some or all of the following characteristics: low species diversity, no significant habitat or wildlife use, limited potential to achieve wetland functions, and/or a predominance of non-native species. These limited quality wetlands are considered to be a resource that has been severely degraded or has a limited potential for restoration, or is of low ecological functionality.

Category 2 Wetlands

Category 2 wetlands "...support moderate wildlife habitat, or hydrological or recreational functions," and as wetlands which are "...dominated by native species but generally without the presence of, or habitat for, rare, threatened or endangered species; and wetlands which are degraded but have a reasonable potential for reestablishing lost wetland functions." Category 2 wetlands constitute the broad middle category of "good" quality wetlands, and can be considered a functioning, diverse, healthy water resource that has ecological integrity and human value. Some Category 2 wetlands are lacking in human disturbance and considered to be naturally of moderate quality; others may have been Category 3 wetlands in the past, but have been degraded to Category 2 status.

Category 3 Wetlands

Wetlands that are assigned to Category 3 have "...superior habitat, or superior hydrological or recreational functions." They are typified by high levels of diversity, a high proportion of native species, and/or high functional values. Category 3 wetlands include wetlands which contain or provide habitat for threatened or endangered species, are high quality mature forested wetlands, vernal pools, bogs, fens, or which are scarce regionally and/or statewide. It is important to stress that a wetland may be a Category 3 wetland because it exhibits one or all of the above characteristics. For example, a forested wetland located in the flood plain of a river may exhibit "superior" hydrologic functions (e.g. flood retention, nutrient removal), but not contain mature trees or high levels of plant species diversity.

2.2 STREAMS

Regulatory activities under the Clean Water Act (CWA) provide authority for states to issue water quality standards and "designated uses" to all waters of the U.S. upstream to the highest reaches of the tributary streams. In addition, the Federal Water Pollution Control Act of 1972 and its 1977 and 1987 amendments require knowledge of the potential fish or biological communities that can be supported in a stream or river, including upstream headwaters. Streams were identified by the presence of a defined bed and bank, and evidence of an ordinary high water mark (OHWM). The USACE defines OHWM as "that line on the shore established by the fluctuations of water and indicated by physical characteristics such as a clear, natural line impressed on the bank, shelving, changes in the character of soil, destruction of terrestrial vegetation, the presence of litter and debris, or other appropriate means that consider the characteristics of the surrounding areas" (USACE, 2005).

Stream assessments were conducted using the methods described in the OEPA's Methods for Assessing Habitat in Flowing Waters: Using OEPA's *Qualitative Habitat Evaluation Index* (Rankin, 2006) and *Field Evaluation Manual for Ohio's Primary Headwater Habitat Streams, Version 3* (Davic, 2012).

2.2.1 OEPA QUALITATIVE HABITAT EVALUATION INDEX

The qualitative habitat evaluation index (QHEI) is designed to provide a rapid determination of habitat features that correspond to those physical factors that most affect fish communities and which are generally important to other aquatic life (*e.g.*, macroinvertebrates). The quantitative measure of habitat used to calibrate the QHEI score are Indices (or Index) of Biotic Integrity (IBI) for fish. In most instances the QHEI is sufficient to give an indication of habitat quality, and the intensive quantitative analysis used to measure the IBI is not necessary. It is the IBI, rather than the QHEI, that is directly correlated with the aquatic life use designation for a particular surface water.

The QHEI method is generally considered appropriate for waterbodies with drainage basins greater than one square mile, if natural pools are greater than 40 cm, or if the water feature is shown as blue-line waterways on USGS 7.5-minute topographic quadrangle maps. In order to convey general stream habitat quality to the regulated public, the OEPA has assigned narrative ratings to QHEI scores. The ranges vary slightly for headwater streams (H are those with a watershed area less than or equal to 20 square miles) versus larger streams (L are those with a watershed area greater than 20 square miles). The Narrative Rating System includes: Very Poor (<30 H and L), Poor (30 to 42 H, 30 to 44 L), Fair (43 to 54 H, 45 to 59 L), Good (55 to 69 H, 60 to 74 L) and Excellent (70+ H, 75+ L). Results of the QHEI assessments are discussed in Section 3.2.1 of this report.

2.2.2 OEPA PRIMARY HEADWATER HABITAT EVALUATION INDEX

Headwater streams are typically considered to be first-order and second-order streams, meaning streams that have no upstream tributaries (or "branches") and those that have only first-order tributaries, respectively. The stream order concept can be problematic when used to define headwater streams because stream-order designations vary depending upon the accuracy and resolution of the stream delineation. Headwater streams are generally not shown on USGS 7.5-minute topographic quadrangles and are sometimes difficult to distinguish on aerial photographs. Nevertheless, headwater streams are now recognized as useful monitoring units due to their abundance, widespread spatial scale and landscape position (Fritz, et al. 2006). Impacts to headwater streams can have a cascading effect on the downstream water quality and habitat value. The headwater habitat evaluation index (HHEI) is a rapid field assessment method for

physical habitat that can be used to appraise the biological potential of most Primary Headwater Habitat (PHWH) streams. The HHEI was developed using many of the same techniques as used for QHEI, but has criteria specifically designed for headwater habitats. To use HHEI, the stream must have a “defined bed and bank, with either continuous or periodically flowing water, with watershed area less than or equal to 1.0 mi² (259 ha), and a maximum depth of water pools equal to or less than 15.75 inches (40 cm)” (Davic, 2012).

Headwater streams are scored on the basis of channel substrate composition, bankfull width, and maximum pool depth. Assessments result in a score (0 to 100) that is converted to a specific PHWH stream class. Streams that are scored from 0 to 29.9 are typically grouped into "Class 1 PHWH Streams", 30 to 69.9 are "Class 2 PHWH Streams", and 70 to 100 are "Class 3 PHWH Streams". Technically, a stream can score relatively high, but actually belong in a lower class, and vice-versa. According to the OEPA, if the stream score falls into a class and the scorer feels that based on site observations that score does not reflect the actual stream class, a decision-making flow chart can be used to determine appropriate PHWH stream class using the HHEI protocol (Davic, 2012). Evidence of anthropogenic alterations to the natural channel will result in a “Modified” qualifier for the stream. .

Class 1 PHWH Streams: Class 1 PHWH Streams are those that have “normally dry channels with little or no aquatic life present” (Davic, 2012). These waterways are usually ephemeral, with water present for short periods of time due to infiltration from snowmelts or rainwater runoff.

Class 2 PHWH Streams: Class 2 PHWH Streams are equivalent to "warm-water habitat" streams. This stream class has a "moderately diverse community of warm-water adapted native fauna either present seasonally or on an annual basis" (Davic, 2012). These species communities are composed of vertebrates (fish and salamanders) and/or benthic macroinvertebrates that are considered pioneering, headwater temporary, and/or temperature facultative species.

Class 3 PHWH Streams: Class 3 PHWH Streams usually have perennial water flow with cool-cold water adapted native fauna. The community of Class 3 PHWH Streams is comprised of vertebrates (either cold water adapted species of headwater fish and or obligate aquatic species of salamanders, with larval stages present), and/or a diverse community of benthic cool water adapted macroinvertebrates present in the stream continuously (on an annual basis).

Results of the HHEI assessments are discussed in Section 3.2.2 of this report.

3.0 RESULTS

Within the Project survey corridor, URS delineated 242 wetlands, 200 streams, and 36 ponds. These wetlands and other water features are discussed in detail in the following sections.

3.1 WETLANDS

The locations, approximate extents, and acreages of the wetlands delineated within the Project survey corridor are shown on Figures 3-1 through 3-99. Completed USACE wetland delineation forms are provided in Appendix A. Color photographs were taken of each delineated wetland during the field survey and are provided in Appendix D1.

3.1.1 Preliminary Soils Evaluation

Soils in each wetland were observed and documented as part of the delineation methodology. According to the USDA/NRCS Web Soil Surveys of Carroll, Harrison, Stark, and Tuscarawas counties, Ohio (NRCS 2015), and the NRCS Hydric Soils List of Ohio, 44 soil series are mapped within the Project survey corridor, and include 13 soil series with either hydric soil map units or soil map units with hydric inclusions (NRCS, 2014).

One hundred thirty-four map units from 44 soil series are mapped within the Project survey corridor (USDA, 1971; USDA, 1981a; USDA, 1981b; USDA, 1991). Of these, five soil map units are hydric, with a further 16 soil map units having hydric inclusions. Table 2 provides a detailed overview of all soil series and soil map units within the Project survey corridor. Soil map units located within the Project survey corridor are shown on Figures 2-1 through 2-44.

3.1.2 National Wetland Inventory Map Review

National Wetland Inventory (NWI) wetlands are areas of potential wetland that have been identified from USFWS aerial photograph interpretation, and which have typically not been field verified. Forested and heavy scrub/shrub wetlands are often not shown on NWI maps as foliage effectively hides the visual signature that indicates the presence of standing water and moist soils from an aerial view. The USFWS website states that the NWI maps are not intended or designed for jurisdictional wetland identification or location. As a result, NWI maps do not show all the wetlands found in a particular area nor do they necessarily provide accurate wetland boundaries. NWI maps are, however, useful for providing indications of potential wetland areas, which are often supported by soil mapping and hydrologic predictions, based upon topographical analysis using USGS topographic maps.

According to the NWI maps of the Bolivar, Bowerston, Cadiz, Canton West, Jewett, Mineral City, Scio, Uhrichsville, and Waynesburg, Ohio quadrangles, the Project survey corridor contains 56 mapped NWI wetlands, as documented in Table 3. Sixty-two of the field-delineated wetlands overlapped portions of 31 NWI wetlands, as shown in Table 3. The remaining 25 mapped NWI wetlands were not classified as wetlands during the field survey because they did not exhibit positive evidence of all three environmental parameters necessary to be considered a wetland by the *1987 Manual and Regional Supplement* (hydric soils, wetland hydrology, and hydrophytic vegetation). Summary information on NWI mapped wetlands is presented in Table 3 and shown on Figures 2-1 through 2-44.

3.1.3 Delineated Wetlands

The delineation identified a total of 242 wetlands (totaling 69.34 acres), ranging in size from less than 0.0004 to 10.56 acres, within the Project survey corridor as shown in Table 4. Some wetland boundaries extend beyond the Project survey corridor, but only portions of those wetlands identified within the survey corridor were assessed.

Additionally, URS commonly splits wetlands where there is an obvious break between Cowardin wetland types. This split results in each wetland section being assessed independently; however, URS recognizes that split wetland sections are a component of a larger wetland complex.

The 242 wetlands within the Project survey corridor are of 16 different wetland habitat types. See the breakdown below for a summary of the delineated wetlands within the Project survey corridor.

SUMMARY OF DELINEATED WETLANDS WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT SURVEY CORRIDOR

Cowardin Wetland Type ^a	ORAM Category 1	ORAM Category 2	ORAM Category 3	Number of Wetlands	Acreage within ROW	Linear Feet Crossed by Centerline
PEM	78	80	2	160	36.82	4037
PEM/PFO	1	8	0	9	1.36	195
PEM/POW	1	1	0	2	0.96	226
PEM/PSS	4	8	0	12	3.32	498
PEM/PSS/POW	0	1	0	1	0.13	NC
PFO	0	24	0	24	7.83	440
PFO/PEM	0	9	0	9	2.69	170
PFO/POW/PEM	0	1	0	1	0.49	55
PFO/PSS	0	1	1	2	1.06	NC
PFO/PSS/PEM	0	1	0	1	10.56	753
POW	0	3	0	3	0.18	NC
POW/PEM	0	6	0	6	0.59	NC
PSS	2	4	0	6	1.98	326
PSS/PEM	1	2	0	3	0.83	127
PSS/PFO	0	1	0	1	0.53	NC
PUB	0	2	0	2	0.01	NC
Total	87	152	3	242	69.34	6,827

Cowardin Wetland Type^a: PEM = palustrine emergent, PSS = palustrine scrub/shrub, PFO = palustrine forested

Linear Feet Crossed by Centerline (feet)^b: NC = Not Crossed by centerline

The locations, approximate extents, and acreages of the wetlands identified within the survey corridor and substation properties are shown on Figures 3-1 through 3-99. Completed USACE wetland delineation forms are provided in Appendix A. Representative color photographs were taken of each delineated wetland during the field survey and are provided in Appendix D1.

3.1.4 Delineated Wetlands ORAM V5.0 Results

Within the Project survey corridor, 87 of the 242 wetlands are Category 1 wetlands, 152 wetlands are Category 2 wetlands, and the remaining three wetlands are Category 3 wetlands. Wetland 185 had the lowest ORAM score, 10, while Wetland 91 had the highest score, 62.

Completed ORAM forms for the wetlands are provided in Appendix B.

Category 1 Wetlands

The 87 Category 1 wetlands (totaling 11.32 acres) delineated within the Project survey corridor include: 78 PEM wetlands, one PEM/PFO wetland, one PEM/POW wetland, four PEM/PSS wetlands, two PSS wetlands, and one PSS/PEM wetland. The highest Category 1 ORAM score was 29.5 (Wetland 127), and the lowest ORAM score was 10 (Wetland 185).

These Category 1 wetlands typically exhibited narrow upland buffers and intensive use of adjacent upland areas (mining, agricultural, or residential), exhibited limited plant community development with a moderate to high percentage of invasive species, and characteristically had habitat and hydrology in the early stages of recovering from previous manipulation because of clearing, mining or other disturbances.

Category 2 Wetlands

The 152 Category 2 wetlands (totaling 56.87 acres) delineated within the Project survey corridor include: 80 PEM wetlands, eight PEM/PFO wetlands, one PEM/POW wetland, eight PEM/PSS wetlands, one PEM/PSS/POW wetland, 24 PFO wetlands, nine PFO/PEM wetlands, one PFO/POW/PEM wetland, one PFO/PSS wetland, one PFO/PSS/PEM wetland, three POW wetlands, six POW/PEM wetlands, four PSS wetlands, two PSS/PEM wetlands, one PSS/PFO wetland, and two PUB wetlands. The highest scoring Category 2 wetland was 58 (Wetland 113), and the lowest was 30 (Wetlands 17, 83, 99, 150, and 191 all received a score of 30).

Category 2 wetlands with dominant forested and mixed emergent, scrub/shrub, forested plant communities were identified within the survey corridor. Category 2 wetlands generally exhibited moderate to high quality plant communities with few invasive species, moderate to good plant community interspersion, low to high intensity surrounding land use (e.g. young second growth woodlots, shrub-land, etc.), and recovered and/or no modification to natural hydrology and habitat.

Category 3 Wetlands

Three Category 3 wetlands (totaling 1.15 acres) were delineated within the Project survey corridor, and include: two PEM wetlands and one PFO/PSS wetland. The highest Category 3 ORAM score was 62 (Wetlands 28 and 91), and the lowest ORAM score was 60 (Wetland 29).

The Category 3 wetlands exhibited moderate to very good habitat development with no apparent habitat alteration. Additionally, the wetlands exhibited moderate plant community interspersion, had absent to sparse coverage of invasive plant species, and showed low-moderate intensity of the surrounding land use.

3.2 STREAM CROSSINGS

URS identified 200 streams, totaling 71,609-feet, within the Project survey corridor that are listed in Table 5. The 200 streams are composed of 111 ephemeral streams, 63 intermittent streams, and 26 perennial streams. One hundred seventy-nine streams were assessed using the HHEI methodology (drainage area less than 1 mi²) and 21 were assessed using the QHEI methodology (drainage area greater than 1 mi²). The locations of the streams identified within the Project survey corridor are shown on Figures 3-1 through 3-99.

URS has preliminarily determined that all assessed streams within the survey corridor appear to be jurisdictional (i.e., waters of the U.S.), as they all appear to be tributaries that flow into or combine with other streams (waters of the U.S).

3.2.1 USGS Watersheds

Review of USGS watershed data indicates that the Project is located within the Tuscarawas (05040001) and Upper Ohio-Wheeling (05030106) Hydrologic Unit Code (HUC) 8 watersheds (USGS, 2015). Approximately 50 miles of the Project is within the Tuscarawas HUC-8 watershed, and the remaining 0.1-mile of the southern terminus is within the Upper Ohio-Wheeling HUC-8 watershed. Within the Tuscarawas watershed, the Project will cross 14 minor (HUC 12) watersheds: Beal Run-Sandy Creek (050400010607), Clear Fork (050400011501), Dog Run-Conotton Creek (050400010805), Headwaters Lower Conotton Creek (050400010707), Headwaters Middle Conotton Creek (050400010704), Huff Run (050400010804), Indian Run-Sandy Creek (050400010606), Middle Little Stillwater Creek (050400011504), Pleasant Valley Run-Indian Fork (050400010802), Sherrick Run-Nimishillen Creek (050400010505), Standingstone Fork (050400011502), Thompson Run-Conotton Creek (050400010803), Town of East Sparta-Nimishillen Creek (050400010506), and Upper Little

Stillwater Creek (050400011503). Within the Upper Ohio-Wheeling watershed, the Project will cross one minor watershed: Middle Fork Short Creek (050301060202).

3.2.2 Qualitative Habitat Evaluation Index

Field surveys along the Project survey corridor identified 21 QHEI assessed streams, totaling approximately 11,951 linear feet with the following narrative ratings: three Good Warmwater habitat streams, 10 Fair Warmwater habitat streams, and eight Poor Warmwater habitat streams.

Forms for streams assessed using the QHEI methodology are provided in Appendix C. Color photographs were taken of each stream during the field survey and are provided in Appendix D2.

Good Warmwater Habitat Streams – The three Good Warmwater habitat streams identified a total of 1,857 linear feet and range in score from 55.5 to 59.5. The substrates of these streams are generally dominated by cobble, silt, gravel, and sand. These streams showed evidence of low to moderate erosion, woody debris, overhanging vegetation, and undercut banks. Pool depths did not exceed 36 inches and bankfull width did not exceed 10 feet.

Fair Warmwater Habitat Streams – The ten Fair Warmwater habitat streams identified total 5,183 linear feet and range in score from 45.5 to 55. The substrates of these streams are generally dominated by hardpan, silt, sand, and muck. These streams showed evidence of low to moderate erosion, woody debris, undercut banks, and siltation. Pool depths did not exceed 78 inches and bankfull width did not exceed 60 feet.

Poor Warmwater Habitat Streams – The eight Poor Warmwater habitat streams identified total 4,911 linear feet and range in score from 35 to 42.5. The substrates of these streams include silt, sand, hardpan and muck. These streams showed evidence of moderate erosion, undercut banks, and siltation. Pool depths did not exceed 48 inches and bankfull width did not exceed 74 feet.

3.2.3 Primary Headwater Habitat Evaluation Index

Field surveys along the Project survey corridor identified 179 headwater streams totaling 59,658 linear feet: 43 Class 1 streams, 46 Modified Class 1 streams, 30 Class 2 streams, 52 Modified Class 2 streams, and eight Class 3 streams.

A Completed HHEI form for each stream is provided in Appendix C. Color photographs were taken of each stream during the field survey and are provided in Appendix D2.

Class 1 Headwater Streams – Forty-three Class 1 headwater streams totaling 8,294 linear feet were identified during the field investigations, and have scores that range from 12 to 29. Forty-

one of the Class 1 streams were ephemeral, and two were intermittent. The substrates mainly consisted of silt, clay, leaf pack/woody debris and hardpan with lesser amounts of cobble, sand and gravel. The maximum pool depth is three inches, and bank full width does not exceed four feet.

Modified Class 1 Headwater Streams – Forty-six Modified Class 1 headwater streams totaling 12,529 linear feet were identified during the field investigations, and have scores that range from 11 to 29. Thirty-six of the Modified Class 1 streams were ephemeral, and ten were intermittent. The substrates mainly consisted of silt, clay, leaf pack/woody debris and hardpan with lesser amounts of cobble, sand and gravel. The streams contained evidence of stream channel modifications (e.g. channelization, culverting, riparian removal, etc.). These modifications result in these streams receiving a Modified Class 1 designation. The maximum pool depth is four inches, and bank full width does not exceed four feet.

Class 2 Headwater Streams – Thirty Class 2 headwater streams totaling 12,937 linear feet were identified during the field investigations, and have scores that range from 30 to 65. Sixteen of the Class 2 streams were ephemeral, twelve were intermittent, and two were perennial. The substrates mainly consisted of silt, gravel, and leaf pack/woody debris with lesser amounts of boulder, sand and cobble. The maximum pool depth is 16 inches, and bank full width does not exceed 6.6 feet.

Modified Class 2 Headwater Streams – Fifty-two Modified Class 2 headwater streams totaling 22,551 linear feet were identified during the field investigations, and have scores that range from 30 to 68. Sixteen of the Modified Class 2 streams were ephemeral, 33 were intermittent, and three were perennial. The substrates mainly consisted of silt, gravel, and leaf pack/woody debris with lesser amounts of boulder, sand and cobble. The streams contained evidence of stream channel modifications (e.g. channelization, culverting, riparian removal, etc.). These modifications result in these streams receiving a Modified Class 2 designation. The maximum pool depth is 24 inches, and bank full width does not exceed six feet.

Class 3 Headwater Streams – Eight Class 3 headwater streams totaling 3,347 linear feet were identified during the field investigations, and received scores that range from 54 to 78. Two of the Class 3 streams were ephemeral, four were intermittent, and two were perennial. The substrates mainly consisted of cobble and gravel with lesser amounts of boulder, silt, gravel, and sand. The maximum pool depth is twelve inches, and bank full width does not exceed eight feet.

3.3 PONDS

Thirty-six ponds totaling 9.34 acres were identified within the Project survey corridor (Table 6). All 36 ponds appear to be man-made for mining, wildlife, or livestock use. The locations of ponds identified within the Project survey corridor are shown on Figures 3-1 through 3-99. Color photographs were taken of the ponds during the field survey and are provided in Appendix D3.

4.0 SUMMARY

The delineation of the Project survey corridor identified a total of 240 wetlands, totaling 69.34 acres. The 242 wetlands are of 16 different Cowardin wetland habitat types. Within the Project survey corridor, and according to the ORAM scoring system, 87 of the 243 wetlands are Category 1 wetlands, 152 wetlands are Category 2 wetlands, and three wetlands are Category 3 wetlands.

There are 200 streams identified within the Project survey corridor totaling 71,609 linear feet: 111 ephemeral streams, 63 intermittent streams, and 26 perennial streams. One hundred seventy-nine streams were assessed using the HHEI methodology (drainage area less than 1 mi²) and 21 were assessed using the QHEI methodology (drainage area greater than 1 mi²).

Thirty-six ponds totaling 9.34 acres were identified within the Project survey corridor and appear to be man-made for mining, wildlife, and livestock use.

The field survey results presented herein apply to the existing and reasonably foreseeable site conditions at the time of our assessment. They cannot apply to site changes of which URS is unaware and has not had the opportunity to review. Changes in the condition of a property may occur with time due to natural processes or human impacts at the project site or on adjacent properties. Changes in applicable standards may also occur as a result of legislation or the expansion of knowledge over time. Accordingly, the findings of this report may be invalidated, wholly or in part, by changes beyond the control of URS.

The information contained in this wetland delineation is generally for a study area that is typically much larger than the actual Project limits-of-disturbance; therefore, lengths and acreages listed in this report may not necessarily constitute the actual impacts of the Project. If necessary, a separate report and/or permit(s) that identifies Project impacts will be provided with agency submittals.

5.0 REFERENCES

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TABLE 1
VEGETATION IDENTIFIED WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT
DELINEATED WETLANDS

Common Name	Scientific Name	Stratum ^a	Northcentral and Northeastern Supplement Indicator Status ^b
Ash-Leaf Maple	<i>Acer negundo</i>	H & S	FAC
Red Maple	<i>Acer rubrum</i>	T & S	FAC
Silver Maple	<i>Acer saccharinum</i>	T & S	FACW
Sugar Maple	<i>Acer saccharum</i>	T & S	FACU
Several-Vein Sweetflag	<i>Acorus americanus</i>	H	OBL
Single-Vein Sweetflag	<i>Acorus calamus</i>	H	OBL
Harvestlice	<i>Agrimonia parviflora</i>	H	FACW
American Water-Plantain	<i>Alisma subcordatum</i>	H	OBL
Garlic-Mustard	<i>Alliaria petiolata</i>	H	FACU
Speckled Alder	<i>Alnus incana</i>	S	FACU
Annual Ragweed	<i>Ambrosia artemisiifolia</i>	H	FACU
Great Ragweed	<i>Ambrosia trifida</i>	H	FAC
Purple-Stem Angelica	<i>Angelica atropurpurea</i>	H	OBL
Indian-Hemp	<i>Apocynum cannabinum</i>	H	FACU
Greendragon	<i>Arisaema dracontium</i>	H	FACW
Swamp Milkweed	<i>Asclepias incarnata</i>	H	OBL
Appalachian False Goat's-Beard	<i>Astilbe biternata</i>	H	FACU
Nodding Burr-Marigold	<i>Bidens cernua</i>	H	OBL
Devil's-Pitchfork	<i>Bidens frondosa</i>	H	FACW
Bluejoint	<i>Calamagrostis canadensis</i>	H	FACW
Yellow Marsh-Marigold	<i>Caltha palustris</i>	H	OBL
Brome-Like Sedge	<i>Carex bromoides</i>	H	FACW
Bearded Sedge	<i>Carex comosa</i>	H	OBL
Fringed Sedge	<i>Carex crinita</i>	H	OBL
Crested Sedge	<i>Carex cristatella</i>	H	FACW
Emory's Sedge	<i>Carex emoryi</i>	H	OBL
Frank's Sedge	<i>Carex frankii</i>	H	OBL
Gray's Sedge	<i>Carex grayi</i>	H	FACW
Porcupine Sedge	<i>Carex hystericina</i>	H	OBL

Table 1

Cornerstone Condensate Pipeline Project

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DELINEATED WETLANDS

Common Name	Scientific Name	Stratum ^a	Northcentral and Northeastern Supplement Indicator Status ^b
Greater Bladder Sedge	<i>Carex intumescens</i>	H	FACW
Hop Sedge	<i>Carex lupulina</i>	H	OBL
Shallow Sedge	<i>Carex lurida</i>	H	OBL
Woolly Sedge	<i>Carex pellita</i>	H	OBL
Drooping Sedge	<i>Carex prasina</i>	H	OBL
Pointed Broom Sedge	<i>Carex scoparia</i>	H	FACW
Squarrose Sedge	<i>Carex squarrosa</i>	H	FACW
Stalk-Grain Sedge	<i>Carex stipata</i>	H	OBL
Quill Sedge	<i>Carex tenera</i>	H	FAC
Blunt Broom Sedge	<i>Carex tribuloides</i>	H	FACW
Cat-Tail Sedge	<i>Carex typhina</i>	H	FACW
Common Fox Sedge	<i>Carex vulpinoidea</i>	H	OBL
American Hornbeam	<i>Carpinus caroliniana</i>	T	FAC
Common Buttonbush	<i>Cephalanthus occidentalis</i>	S	OBL
Sweet Wood-Reed	<i>Cinna arundinacea</i>	H	FACW
Canadian Thistle	<i>Cirsium arvense</i>	H	FACU
Asiatic Dayflower	<i>Commelina communis</i>	H	FAC
Poison-Hemlock	<i>Conium maculatum</i>	H	FACW
Red Osier	<i>Cornus alba</i>	S	FACW
Silky Dogwood	<i>Cornus amomum</i>	S	FACW
Gray Dogwood	<i>Cornus racemosa</i>	S	FAC
Globe Flat Sedge	<i>Cyperus echinatus</i>	H	FACU
Red-Root Flat Sedge	<i>Cyperus erythrorhizos</i>	H	FACW
Chufa	<i>Cyperus esculentus</i>	H	FACW
Purple Flat Sedge	<i>Cyperus rotundus</i>	H	FAC
Straw-Color Flat Sedge	<i>Cyperus strigosus</i>	H	FACW
Queen Anne's-Lace	<i>Daucus carota</i>	H	UPL
Deer-Tongue Rosette Grass	<i>Dichanthelium clandestinum</i>	H	FAC
Fuller's Teasel	<i>Dipsacus fullonum</i>	H	FACU

Table 1

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DELINEATED WETLANDS

Common Name	Scientific Name	Stratum ^a	Northcentral and Northeastern Supplement Indicator Status ^b
Spinulose Wood Fern	<i>Dryopteris carthusiana</i>	H	FAC
Crested Wood Fern	<i>Dryopteris cristata</i>	H	FACW
Large Barnyard Grass	<i>Echinochloa crus-galli</i>	H	FAC
Russian-Olive	<i>Elaeagnus angustifolia</i>	S	FACU
Needle Spike-Rush	<i>Eleocharis acicularis</i>	H	OBL
Blunt Spike-Rush	<i>Eleocharis obtusa</i>	H	OBL
Purple-Leaf Willowherb	<i>Epilobium coloratum</i>	H	FACW
Field Horsetail	<i>Equisetum arvense</i>	H	FAC
Eastern Daisy Fleabane	<i>Erigeron annuus</i>	H	FACU
Common Boneset	<i>Eupatorium perfoliatum</i>	H	FACW
Darlington's Glade Spurge	<i>Euphorbia purpurea</i>	H	FAC
Spotted Trumpetweed	<i>Eutrochium maculatum</i>	H	FACW
Sweet-Scented Joe-Pye-Weed	<i>Eutrochium purpureum</i>	H	FAC
Glossy False Buckthorn	<i>Frangula alnus</i>	S	FAC
Green Ash	<i>Fraxinus pennsylvanica</i>	T & S	FACW
Sticky-Willy	<i>Galium aparine</i>	H	FACU
Spotted Crane's-Bill	<i>Geranium maculatum</i>	H	FACU
White Avens	<i>Geum canadense</i>	H	FACU
Honey-Locust	<i>Gleditsia triacanthos</i>	S & H	FAC
Fowl Manna Grass	<i>Glyceria striata</i>	H	OBL
American Witch-Hazel	<i>Hamamelis virginiana</i>	S	FACU
Spotted Touch-Me-Not	<i>Impatiens capensis</i>	H	FACW
Pale-Yellow Iris	<i>Iris pseudacorus</i>	H	OBL
Harlequin Blueflag	<i>Iris versicolor</i>	H	OBL
Lamp Rush	<i>Juncus effusus</i>	H	FACW
Bog Rush	<i>Juncus marginatus</i>	H	FACW
Lesser Poverty Rush	<i>Juncus tenuis</i>	H	FAC
Canadian Wood-Nettle	<i>Laportea canadensis</i>	H	FAC
Rice Cut Grass	<i>Leersia oryzoides</i>	H	OBL

Table 1

Cornerstone Condensate Pipeline Project

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DELINEATED WETLANDS**

Common Name	Scientific Name	Stratum ^a	Northcentral and Northeastern Supplement Indicator Status ^b
White Grass	<i>Leersia virginica</i>	H	FACW
Common Duckweed	<i>Lemna minor</i>	H	OBL
Northern Spicebush	<i>Lindera benzoin</i>	S	FAC
Sweet-Gum	<i>Liquidambar styraciflua</i>	T	FAC
Tuliptree	<i>Liriodendron tulipifera</i>	T	FACU
Garden Bird's-Foot-Trefoil	<i>Lotus corniculatus</i>	H	FACU
Creeping-Jenny	<i>Lysimachia nummularia</i>	H	FACW
Japanese Stilt Grass	<i>Microstegium vimineum</i>	H	FAC
Allegheny Monkey-Flower	<i>Mimulus ringens</i>	H	OBL
White Bergamot	<i>Monarda clinopodia</i>	H	FACU
Red Mulberry	<i>Morus rubra</i>	S	FACU
Watercress	<i>Nasturtium officinale</i>	H	OBL
Sensitive Fern	<i>Onoclea sensibilis</i>		FACW
Interrupted Fern	<i>Osmunda claytoniana</i>	H	FAC
Cinnamon Fern	<i>Osmundastrum cinnamomeum</i>	H	FACW
New York Fern	<i>Parathelypteris noveboracensis</i>	H	FAC
Virginia-Creeper	<i>Parthenocissus quinquefolia</i>	H & V	FACU
Green Arrow-Arum	<i>Peltandra virginica</i>	H	OBL
Halberd-Leaf Tearthumb	<i>Persicaria arifolia</i>	H	OBL
Bristly Lady's-Thumb	<i>Persicaria longiseta</i>	H	FAC
Spotted Lady's-Thumb	<i>Persicaria maculosa</i>	H	FACW
Pinkweed	<i>Persicaria pennsylvanica</i>	H	FACW
Arrow-Leaf Tearthumb	<i>Persicaria sagittata</i>	H	OBL
Jumpseed	<i>Persicaria virginiana</i>	H	FAC
Reed Canary Grass	<i>Phalaris arundinacea</i>	H	FACW
Common Reed	<i>Phragmites australis</i>	H	FACW
American Pokeweed	<i>Phytolacca americana</i>	H	FACU
Canadian Clearweed	<i>Pilea pumila</i>	H	FACW
American Sycamore	<i>Platanus occidentalis</i>	T & S	FACW

Table 1

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VEGETATION IDENTIFIED WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT
DELINEATED WETLANDS

Common Name	Scientific Name	Stratum ^a	Northcentral and Northeastern Supplement Indicator Status ^b
May-Apple	<i>Podophyllum peltatum</i>	H	FACU
Christmas Fern	<i>Polystichum acrostichoides</i>	H	FACU
Pickeralweed	<i>Pontederia cordata</i>	H	OBL
Eastern Cottonwood	<i>Populus deltoides</i>	T & S	FAC
Black Cherry	<i>Prunus serotina</i>	T	FACU
Clustered Mountain-Mint	<i>Pycnanthemum muticum</i>	H	FACW
Swamp White Oak	<i>Quercus bicolor</i>	H	FACW
Pin Oak	<i>Quercus palustris</i>	T	FACW
Northern Red Oak	<i>Quercus rubra</i>	T	FACU
Globe Beak Sedge	<i>Rhynchospora globularis</i>	H	FACW
Black Locust	<i>Robinia pseudoacacia</i>	T	FACU
Rambler Rose	<i>Rosa multiflora</i>	H	FACU
Swamp Rose	<i>Rosa palustris</i>	S	OBL
Allegheny Blackberry	<i>Rubus allegheniensis</i>	S	FACU
Curly Dock	<i>Rumex crispus</i>	H	FAC
Duck-Potato	<i>Sagittaria latifolia</i>	H	OBL
Peach-Leaf Willow	<i>Salix amygdaloides</i>	S	FACW
Sandbar Willow	<i>Salix interior</i>	T & S	FACW
Black Willow	<i>Salix nigra</i>	T & S	OBL
Black Elder	<i>Sambucus nigra</i>	S	FAC
Soft-Stem Club-Rush	<i>Schoenoplectus</i>	H	OBL
Dark-Green Bulrush	<i>Scirpus atrovirens</i>	H	OBL
Cottongrass Bulrush	<i>Scirpus cyperinus</i>	H	FACW
Yellow Bristle Grass	<i>Setaria pumila</i>	H	FAC
Narrow-Leaf Blue-Eyed-Grass	<i>Sisyrinchium angustifolium</i>	H	FACW
Hemlock Water-Parsnip	<i>Sium suave</i>	H	OBL
Late Goldenrod	<i>Solidago gigantea</i>	H	FACW
Wrinkle-Leaf Goldenrod	<i>Solidago rugosa</i>	H	FAC
American Burr-Reed	<i>Sparganium americanum</i>	H	OBL

Table 1

Cornerstone Condensate Pipeline Project

**TABLE 1
VEGETATION IDENTIFIED WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT
DELINEATED WETLANDS**

Common Name	Scientific Name	Stratum ^a	Northcentral and Northeastern Supplement Indicator Status ^b
Broad-Fruit Burr-Reed	<i>Sparganium eurycarpum</i>	H	OBL
White Meadowsweet	<i>Spiraea alba</i>	S	FACW
Purple-Stem American-Aster	<i>Symphotrichum puniceum</i>	H	OBL
Skunk-Cabbage	<i>Symplocarpus foetidus</i>	H	OBL
Eastern Poison Ivy	<i>Toxicodendron radicans</i>	H & V	FAC
Red Clover	<i>Trifolium pratense</i>	H	FACU
White Clover	<i>Trifolium repens</i>	H	FACU
Narrow-Leaf Cat-Tail	<i>Typha angustifolia</i>	H	OBL
Broad-Leaf Cat-Tail	<i>Typha latifolia</i>	H	OBL
American Elm	<i>Ulmus americana</i>	T	FACW
Stinging Nettle	<i>Urtica dioica</i>	H	FACU
Simpler's-Joy	<i>Verbena hastata</i>	H	FACW
Wingstem	<i>Verbesina alternifolia</i>	H	FAC
Giant Ironweed	<i>Vernonia gigantea</i>	H	FAC
Southern Arrow-Wood	<i>Viburnum dentatum</i>	S	FAC
Hooded Blue Violet	<i>Viola sororia</i>	H	FAC
River-Bank Grape	<i>Vitis riparia</i>	V	FACW

^a H = herb, S = shrub or sapling, T = tree, V = vine

^b Wetland Indicator Status

- OBL - Obligate Wetland - Occurs almost always (99% probability) in wetlands
- FACW - Facultative Wetlands - Usually occurs in wetlands (67 - 99% probability)
- FAC - Facultative - Equally likely to occur in wetlands or non-wetlands (34 - 66% probability)
- FACU - Facultative Upland - Usually occurs in non-wetlands (67 - 99% probability)
- UPL - Obligate Upland - Occurs almost always in non-wetlands (99% probability)
- NI - No Indicator - There is insufficient information on habitat preference

**TABLE 2
CORNERSTONE CONDENSATE PIPELINE PROJECT: SOIL MAP UNITS AND DESCRIPTIONS**

Soil Series	Symbol	Map Unit Description	Percent of 60-1,100 ft. Wide Survey Corridor by Series	County	Topographic Setting	Hydric	Hydric Component (%)
Aaron	AaB	Aaron silt loam, 2 to 6 percent slopes	0.16	Harrison County	Upland ridgetops	Not hydric	N/A
	AbC2	Aaron silty clay loam, 6 to 15 percent slopes, eroded	0.25	Harrison County	Upland ridgetops	Not hydric	N/A
Berks	BkE	Berks channery silt loam, 25 to 40 percent slopes	2.52	Harrison County	Upland side slopes	Not hydric	N/A
	BkF	Berks channery silt loam, 40 to 70 percent slopes	0.08	Harrison County	Upland side slopes	Not hydric	N/A
	BkC	Berks channery silt loam, 6 to 15 percent slopes	0.13	Harrison County	Upland convex ridgetops	Not hydric	N/A
	BkD	Berks shaly silt loam, 15 to 25 percent slopes	0.00	Carroll County	Upland ridgetops	Not hydric	N/A
	BkE	Berks shaly silt loam, 25 to 40 percent slopes	0.52	Carroll County, Tuscarawas County	Upland side slopes	Not hydric	N/A
	BkC	Berks shaly silt loam, 8 to 15 percent slopes	0.40	Carroll County	Upland convex ridgetops	Not hydric	N/A
	BnD	Berks-Guernsey complex, 15 to 25 percent slopes	0.37	Harrison County	Upland side slopes	Not hydric	N/A
Bethesda	BnB	Bethesda channery clay loam, 0 to 8 percent slopes	0.00	Tuscarawas County	Mine spoil ridges	Hydric inclusion	Poorly drained soils (5%)
	BfF	Bethesda channery clay loam, 25 to 70 percent slopes	3.12	Carroll County, Stark County, Tuscarawas County	Mine spoil side slopes	Not hydric	N/A
	BnC	Bethesda channery clay loam, 8 to 15 percent slopes	0.21	Tuscarawas County	Mine spoil side slopes	Not hydric	N/A
Bogart	BoB	Bogart silt loam, 2 to 6 percent slopes	0.10	Stark County	Stream terraces, outwash plains	Not hydric	N/A
	BtB	Bogart variant loam, 3 to 8 percent slopes	1.06	Tuscarawas County	Terraces	Not hydric	N/A
Canfield	CdC	Canfield silt loam, 6 to 12 percent slopes	0.02	Stark County	Drainageways	Hydric inclusion	Sebring, till substratum (5%)
Carlisle	Ch	Carlisle muck	0.07	Stark County	Level to depressional areas	Hydric	Carlisle (100%)
Chagrin	Cm	Chagrin silt loam, alkaline phase	0.02	Stark County	Floodplains	Not hydric	N/A
Chili	CoD2	Chili gravelly loam, 12 to 18 percent slopes, moderately eroded	0.07	Stark County	Drainageways	Not hydric	N/A
	CkB	Chili gravelly loam, 3 to 8 percent slopes	1.13	Tuscarawas County	Outwash terraces	Not hydric	N/A
	CoC	Chili gravelly loam, 6 to 12 percent slopes	0.02	Stark County	Crests of knolls	Not hydric	N/A
	CkC	Chili gravelly loam, 8 to 15 percent slopes	0.67	Tuscarawas County	Knolls on outwash terraces	Not hydric	N/A
	CnB	Chili loam, 2 to 6 percent slopes	0.10	Stark County	Outwash plains, stream terraces	Not hydric	N/A
	CpB	Chili silt loam, 2 to 6 percent slopes	1.07	Stark County	Variable	Not hydric	N/A
	CpC	Chili silt loam, 6 to 12 percent slopes	0.05	Stark County	Drainageways, low knolls	Not hydric	N/A
Conotton	CoD	Conotton gravelly loam, 15 to 25 percent slopes	0.22	Tuscarawas County	Slope breaks and hummocky areas	Not hydric	N/A

Table 2

TABLE 2
CORNERSTONE CONDENSATE PIPELINE PROJECT: SOIL MAP UNITS AND DESCRIPTIONS

Soil Series	Symbol	Map Unit Description	Percent of 60-1,100 ft. Wide Survey Corridor by Series	County	Topographic Setting	Hydric	Hydric Component (%)
Coshocton	CnD	Coshocton silt loam, 15 to 25 percent slopes	2.85	Harrison County	Upland foot slopes and side slopes	Not hydric	N/A
	CnB	Coshocton silt loam, 3 to 8 percent slopes	0.98	Carroll County, Tuscarawas County	Upland ridgetops	Not hydric	N/A
	CnC	Coshocton silt loam, 6 to 15 percent slopes	0.08	Harrison County	Upland ridgetops and side slopes	Not hydric	N/A
	CsD	Coshocton-Guernsey silt loams, 15 to 25 percent slopes	0.87	Carroll County, Tuscarawas County	Hillsides and ridgetops	Not hydric	N/A
	CsC	Coshocton-Guernsey silt loams, 8 to 15 percent slopes	1.29	Carroll County, Stark County, Tuscarawas County	Hillsides and ridgetops	Not hydric	N/A
	CtD	Coshocton-Guernsey very stony silt loams, 15 to 25 percent slopes	0.24	Carroll County, Tuscarawas County	Hillsides and uplands	Not hydric	N/A
	CoB	Coshocton-Keene silt loams, 3 to 8 percent slopes	0.02	Carroll County	Upland ridgetops	Not hydric	N/A
Culleoka	CuB	Culleoka silt loam, 3 to 8 percent slopes	0.09	Carroll County	Upland ridgetops	Not hydric	N/A
Dekalb	DkC	Dekalb channery loam, 6 to 15 percent slopes	0.64	Harrison County	Upland ridgetops	Not hydric	N/A
	DkE2	Dekalb sandy loam, 12 to 25 percent slopes, moderately eroded	0.94	Stark County	Hillsides	Not hydric	N/A
	DkF2	Dekalb sandy loam, 25 to 50 percent slopes, moderately eroded	0.90	Stark County	Hillsides	Not hydric	N/A
	DkC	Dekalb sandy loam, 6 to 12 percent slopes	0.37	Stark County	Hillsides and convex ridgetops	Not hydric	N/A
Elba	EbC2	Elba silty clay loam, 8 to 15 percent slopes, eroded	0.05	Carroll County	Upland ridgetops and side slopes	Not hydric	N/A
Elkinsville	EkA	Elkinsville silt loam, 0 to 3 percent slopes	1.94	Tuscarawas County	Terraces	Not hydric	N/A
Fairpoint	FaF	Fairpoint channery clay loam, 25 to 70 percent slopes	0.01	Carroll County	Mine spoil ridges	Not hydric	N/A
	FaD	Fairpoint channery clay loam, 8 to 25 percent slopes	0.11	Carroll County	Mine spoil ridges	Hydric inclusion	Poorly drained soils (5%)
	FaE	Fairpoint silty clay loam, 25 to 40 percent slopes	0.34	Harrison County	Mine side slopes	Not hydric	N/A
Fitchville	FcA	Fitchville silt loam, 0 to 2 percent slopes	1.35	Harrison County, Stark County	Valleys	Hydric inclusion	Poorly drained (10%), Sebring (5%)
	FcA	Fitchville silt loam, 0 to 3 percent slopes	3.22	Tuscarawas County	Slack water terraces	Hydric inclusion	Sebring (10%)
	FcB	Fitchville silt loam, 2 to 6 percent slopes	1.00	Harrison County, Stark County	Slack water terraces and drainageways	Hydric inclusion	Poorly drained (10%), Sebring (5%)
	FdB	Fitchville silt loam, clayey substratum, 3 to 8 percent slopes	0.45	Tuscarawas County	Slack water terraces	Hydric inclusion	Sebring (10%)
Germano	GeD	Germano fine sandy loam, 15 to 25 percent slopes	0.26	Harrison County	Upland side slopes	Not hydric	N/A

Table 2

**TABLE 2
CORNERSTONE CONDENSATE PIPELINE PROJECT: SOIL MAP UNITS AND DESCRIPTIONS**

Soil Series	Symbol	Map Unit Description	Percent of 60-1,100 ft. Wide Survey Corridor by Series	County	Topographic Setting	Hydric	Hydric Component (%)
	GeC	Germano fine sandy loam, 6 to 15 percent slopes	0.19	Harrison County	Upland ridgetops and side slopes	Not hydric	N/A
Gilpin	GdD	Gilpin silt loam, 12 to 18 percent slopes	0.86	Stark County	Hillsides	Not hydric	N/A
	GnD	Gilpin silt loam, 15 to 25 percent slopes	1.55	Harrison County	Upland ridgetops and side slopes	Not hydric	N/A
	GdB	Gilpin silt loam, 2 to 6 percent slopes	0.42	Harrison County, Stark County	Ridgetops	Not hydric	N/A
	GdC	Gilpin silt loam, 6 to 12 percent slopes	0.65	Stark County	Ridgetops	Not hydric	N/A
	GnC	Gilpin silt loam, 6 to 15 percent slopes	4.34	Harrison County	Upland ridgetops	Not hydric	N/A
	GoD	Gilpin-Coshocton complex, 15 to 25 percent slopes	0.16	Harrison County	Upland ridgetops and side slopes	Not hydric	N/A
Glenford	GfD2	Glenford silt loam, 12 to 18 percent slopes, moderately eroded	0.18	Stark County	Stream terraces	Not hydric	N/A
	GfB	Glenford silt loam, 2 to 6 percent slopes	0.15	Stark County	Elongated areas below Mentor soils	Not hydric	N/A
	GfB	Glenford silt loam, 3 to 8 percent slopes	0.24	Carroll County, Tuscarawas County	Slack water terraces	Hydric inclusion	Areas of poorly drained soils (5%)
	GfC	Glenford silt loam, 6 to 12 percent slopes	0.52	Stark County	Rounded areas below Mentor soils	Not hydric	N/A
	GfC2	Glenford silt loam, 6 to 12 percent slopes, moderately eroded	0.06	Stark County	Head of drainageways	Not hydric	N/A
	GhC	Glenford silt loam, 6 to 15 percent slopes	0.35	Carroll County, Harrison County	Slack water terraces	Hydric inclusion	Poorly drained soils (5%)
	GfC	Glenford silt loam, 8 to 15 percent slopes	1.28	Carroll County, Tuscarawas County	Slack water terraces	Hydric inclusion	Poorly drained soils (5%)
Guernsey	GuD2	Guernsey silty clay loam, 15 to 25 percent slopes, eroded	3.81	Harrison County	Upland side slopes	Not hydric	N/A
	GuB	Guernsey silty clay loam, 3 to 8 percent slopes	0.07	Carroll County	Convex upland ridges	Not hydric	N/A
	GrC2	Guernsey silty clay loam, 8 to 15 percent slopes, eroded	0.28	Carroll County, Tuscarawas County	Upland ridges	Not hydric	N/A
Hazleton	HeD	Hazleton channery loam, 15 to 25 percent slopes	0.69	Stark County, Tuscarawas County	Upland ridgetops and side slopes	Not hydric	N/A
	HeE	Hazleton channery loam, 25 to 40 percent slopes	1.55	Stark County, Tuscarawas County	Upland hillsides	Not hydric	N/A
	HeC	Hazleton channery loam, 8 to 15 percent slopes	0.11	Tuscarawas County	Upland ridgetops	Not hydric	N/A
	HeD	Hazleton channery sandy loam, 15 to 25 percent slopes	0.02	Harrison County	Upland ridgetops and side slopes	Not hydric	N/A
	HeF	Hazleton channery sandy loam, 40 to 70 percent slopes	1.55	Harrison County	Upland side slopes	Not hydric	N/A
	HgF	Hazleton extremely bouldery loam, 25 to 60 percent slopes	0.09	Tuscarawas County	Upland side slopes	Not hydric	N/A
Keene	KeD	Keene silt loam, 12 to 18 percent slopes	0.09	Stark County	Hillsides	Not hydric	N/A

Table 2

**TABLE 2
CORNERSTONE CONDENSATE PIPELINE PROJECT: SOIL MAP UNITS AND DESCRIPTIONS**

Soil Series	Symbol	Map Unit Description	Percent of 60-1,100 ft. Wide Survey Corridor by Series	County	Topographic Setting	Hydric	Hydric Component (%)
	KdB	Keene silt loam, 2 to 6 percent slopes	0.04	Stark County, Tuscarawas County	Ridgetops	Not hydric	N/A
	KeC	Keene silt loam, 6 to 12 percent slopes	0.25	Stark County	Hillsides and rounded hilltops	Not hydric	N/A
	KeC2	Keene silt loam, 6 to 12 percent slopes, moderately eroded	0.12	Stark County	Hillsides and crests of ridges	Not hydric	N/A
	KeC	Keene silt loam, 8 to 15 percent slopes	0.64	Tuscarawas County	Hillsides and rounded hilltops	Not hydric	N/A
Latham	LaD	Latham silt loam, 12 to 18 percent slopes	0.24	Stark County	Hillslopes	Not hydric	N/A
	LaD2	Latham silt loam, 12 to 18 percent slopes, moderately eroded	0.34	Stark County	Hillslopes	Not hydric	N/A
	LaB	Latham silt loam, 3 to 8 percent slopes	0.00	Stark County	Ridgetops	Not hydric	N/A
	LaC2	Latham silt loam, 6 to 12 percent slopes, moderately eroded	0.02	Stark County	Hillsides	Not hydric	N/A
	LaC	Latham silt loam, 8 to 15 percent slopes	0.70	Stark County	Concave areas on hillsides	Not hydric	N/A
Lowell	LoD2	Lowell silty clay loam, 15 to 25 percent slopes, eroded	0.47	Harrison County	Upland ridgetops and side slopes	Not hydric	N/A
Luray	Ly	Luray silt loam	0.03	Stark County	Drainageways	Hydric	Luray (100%)
	Lz	Luray silt loam, gravelly subsoil variant	0.16	Stark County	Outwash plains	Hydric	Depressions (95%)
Mentor	MeD	Mentor silt loam, 12 to 18 percent slopes	0.00	Stark County	Valley wall slopes	Not hydric	N/A
	MeB	Mentor silt loam, 2 to 6 percent slopes	0.07	Stark County	Stream terraces	Not hydric	N/A
Morristown	MrF	Morristown channery silt loam, 25 to 70 percent slopes, bouldery	8.04	Harrison County	Unreclaimed mine side slopes	Hydric inclusion	Poorly drained soils (10%)
	MoB	Morristown channery silty clay loam, 0 to 8 percent slopes, stony	0.62	Harrison County	Unreclaimed mine ridgetops	Hydric inclusion	Poorly drained soils (5%)
	MoD	Morristown channery silty clay loam, 8 to 25 percent slopes, stony	1.06	Harrison County	Unreclaimed mine ridgetops, benches and side slopes	Hydric inclusion	Poorly drained soils (5%)
	MrB	Morristown loam, 0 to 8 percent slopes	0.65	Tuscarawas County	Mine spoil ridgetops and side slopes	Not hydric	N/A
	MrD	Morristown loam, 15 to 25 percent slopes	0.46	Tuscarawas County	Mine spoil ridgetops and side slopes	Not hydric	N/A
	MrF	Morristown loam, 25 to 70 percent slopes	0.93	Tuscarawas County	Mine spoil side slopes	Not hydric	N/A
	MrC	Morristown loam, 8 to 15 percent slopes	0.63	Tuscarawas County	Mine spoil ridgetops and side slopes	Not hydric	N/A
	MnB	Morristown silty clay loam, 0 to 8 percent slopes	1.79	Harrison County	Reclaimed mine upland ridgetops	Not hydric	N/A
	MnD	Morristown silty clay loam, 8 to 25 percent slopes	1.44	Harrison County	Reclaimed mine ridgetops, benches and side slopes	Not hydric	N/A
Muskingum	MvE	Muskingum and Gilpin silt loams, 18 to 25 percent slopes	0.84	Stark County	Hillsides	Not hydric	N/A
	MvE3	Muskingum and Gilpin silt loams, 18 to 25 percent slopes, severely eroded	0.02	Stark County	Hillsides	Not hydric	N/A

Table 2

**TABLE 2
CORNERSTONE CONDENSATE PIPELINE PROJECT: SOIL MAP UNITS AND DESCRIPTIONS**

Soil Series	Symbol	Map Unit Description	Percent of 60-1,100 ft. Wide Survey Corridor by Series	County	Topographic Setting	Hydric	Hydric Component (%)
	MvF	Muskingum and Gilpin silt loams, 25 to 35 percent slopes	0.22	Stark County	Hillsides	Not hydric	N/A
	MsD	Muskingum silt loam, 12 to 18 percent slopes	0.60	Stark County	Hillsides	Not hydric	N/A
	MsB	Muskingum silt loam, 2 to 6 percent slopes	0.11	Stark County	Ridgetops and high benchlike areas	Not hydric	N/A
	MsC	Muskingum silt loam, 6 to 12 percent slopes	0.55	Stark County	Ridgetops and hillsides	Not hydric	N/A
Orrville	Or	Orrville silt loam, occasionally flooded	1.51	Carroll County, Harrison County, Tuscarawas County	Floodplain flats	Hydric inclusion	Holly (5%), Melvin (10%)
Plainfield	PwB	Plainfield loamy sand, 3 to 8 percent slopes	0.52	Tuscarawas County	Glacial outwash and stream terraces	Not hydric	N/A
Ramsey	RcE2	Ramsey channery sandy loam, 18 to 25 percent slopes, moderately eroded	0.39	Stark County	Hillsides	Not hydric	N/A
	RcF2	Ramsey channery sandy loam, 25 to 50 percent slopes, moderately eroded	0.29	Stark County	Hillsides	Not hydric	N/A
Rigley	RgC	Rigley sandy loam, 8 to 15 percent slopes	0.01	Carroll County	Upland ridgetops and side slopes	Not hydric	N/A
Sebring	Sb/Se	Sebring silt loam	2.52	Stark County, Tuscarawas County	Outwash plains and blocked drainageways	Hydric	Sebring (95%)
Shinrock	ShC3	Shinrock silty clay loam, 8 to 20 percent slopes, severely eroded	0.17	Tuscarawas County	Former glacial lakebeds	Not hydric	N/A
Shoals	Sh	Shoals silt loam	0.31	Stark County	Along perennial streams	Hydric inclusion	Wayland (5%), Sloan (5%)
Strip Mine Spoil	StC	Strip mine spoil, nonacid materials, undulating	0.11	Stark County	Undulating mine spoil areas	Not hydric	N/A
	SoE	Strip mine spoil, sandstone and shale materials, rolling	0.60	Stark County	Steep mine spoil areas	Not hydric	N/A
	SoF	Strip mine spoil, sandstone and shale materials, steep	0.85	Stark County	Very steep mine spoil areas	Not hydric	N/A
	SoC	Strip mine spoil, sandstone and shale materials, undulating	0.05	Stark County	Level to sloping mine spoil areas	Not hydric	N/A
Tioga	To	Tioga loam, occasionally flooded	2.04	Tuscarawas County	Floodplains	Not hydric	N/A
Urban Land	Ur	Urban land	0.71	Stark County	Urban	Not hydric	N/A
Water	W	Water	0.05	Stark County, Tuscarawas County	N/A	N/A	N/A
Weikert	WeE2	Weikert channery silt loam, 18 to 25 percent slopes, moderately eroded	0.14	Stark County	Hillsides	Not hydric	N/A
Weinbach	WhA	Weinbach silt loam, 0 to 2 percent slopes	0.10	Stark County	Depressions	Hydric inclusion	Ginat (5%)
	WhB	Weinbach silt loam, 2 to 6 percent slopes	0.01	Stark County	Outwash plains	Not hydric	N/A
Wellston	WIB	Wellston silt loam, 2 to 6 percent slopes	0.00	Stark County	Ridgetops	Not hydric	N/A
	WIC	Wellston silt loam, 6 to 12 percent slopes	0.21	Stark County	Below ridgetops, base of slopes	Not hydric	N/A

Table 2

**TABLE 2
CORNERSTONE CONDENSATE PIPELINE PROJECT: SOIL MAP UNITS AND DESCRIPTIONS**

Soil Series	Symbol	Map Unit Description	Percent of 60-1,100 ft. Wide Survey Corridor by Series	County	Topographic Setting	Hydric	Hydric Component (%)
Westmoreland	WhD	Westmoreland silt loam, 15 to 25 percent slopes	0.07	Tuscarawas County	Upland ridgetops and hillsides	Not hydric	N/A
	WhE	Westmoreland silt loam, 25 to 35 percent slopes	1.59	Carroll County, Tuscarawas County	Upland hillsides	Not hydric	N/A
	WhE	Westmoreland silt loam, 25 to 40 percent slopes	0.08	Harrison County	Upland side slopes	Not hydric	N/A
	WhC	Westmoreland silt loam, 6 to 15 percent slopes	0.25	Harrison County	Upland ridgetops	Not hydric	N/A
	WmE	Westmoreland-Coshocton complex, 25 to 40 percent slopes	0.60	Harrison County	Upland foot slopes	Not hydric	N/A
	WkD	Westmoreland-Coshocton silt loams, 15 to 25 percent slopes	5.22	Carroll County, Harrison County, Tuscarawas County	Upland side slopes	Not hydric	N/A
	WmC	Westmoreland-Coshocton silt loams, 8 to 15 percent slopes	2.17	Carroll County	Upland ridgetops	Not hydric	N/A
	WnE	Westmoreland-Dekalb complex, 25 to 40 percent slopes	3.81	Harrison County	Upland side slopes	Not hydric	N/A
	WnF	Westmoreland-Dekalb complex, 40 to 70 percent slopes	3.87	Harrison County	Upland side slopes	Not hydric	N/A
	WnD	Westmoreland-Guernsey silt loams, 15 to 25 percent slopes	0.09	Tuscarawas County	Upland ridges, knolls, and hillsides	Not hydric	N/A
	WnC	Westmoreland-Guernsey silt loams, 8 to 15 percent slopes	0.02	Tuscarawas County	Upland ridgetops and hillsides	Not hydric	N/A
Wheeling	WrA	Wheeling silt loam, 0 to 2 percent slopes	0.30	Stark County	Slightly depressed areas	Not hydric	N/A
	WrB	Wheeling silt loam, 2 to 6 percent slopes	0.75	Stark County	Terraces and outwash plains	Not hydric	N/A
	WsD2	Wheeling soils, 12 to 18 percent slopes, moderately eroded	0.01	Stark County	Knoll slopes and head of drainageways	Not hydric	N/A
Willette	Wt	Willette muck	0.03	Stark County	Nearly level and depressional areas	Hydric	Willette (100%)

Data sources include:
 USDA, NRCS. 2015 Soil Survey Geographic (SSURGO) Database. Available online at: <http://soildatamart.nrcs.usda.gov/>
 USDA, NRCS. 2014. National Hydric Soils List by State. Available online at: <http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/use/hydric/>
 USDA, NRCS. 1991. Soil Survey of Harrison County, Ohio.
 USDA, Soil Conservation Service. 1981. Soil Survey of Carroll County, Ohio.
 USDA, Soil Conservation Service. 1971. Soil Survey of Stark County, Ohio.
 USDA, Soil Conservation Service. 1981. Soil Survey of Tuscarawas County, Ohio.

TABLE 3

NWI WETLANDS WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT SURVEY CORRIDOR

Wetland Type	NWI Code	NWI Habitat Type ¹	Total Number of Each Habitat Type	NWI Quadrangle(s)
Lake	L2UBKh	Lacustrine Littoral Unconsolidated Bottom Artificially Flooded Diked/Impounded (lake)	5	Mineral City, Waynesburg
Freshwater Emergent Wetland	PEM1A	Palustrine Emergent Persistent Temporary Flooded (emergent wetland)	1	Mineral City
Freshwater Emergent Wetland	PEM1Ad	Palustrine Emergent Persistent Temporary Flooded Partially Drained/Ditched (emergent wetland)	1	Canton West
Freshwater Emergent Wetland	PEM1C	Palustrine Emergent Persistent Seasonally Flooded (emergent wetland)	11	Mineral City, Waynesburg, Jewett
Freshwater Forested/Shrub Wetland	PFO1C	Palustrine Forested Broad-Leaved Deciduous Seasonally Flooded (forested wetland)	7	Mineral City, Jewett
Freshwater Forested/Shrub Wetland	PSS1/EM1C	Palustrine Scrub-Shrub Broad-Leaved Deciduous/Palustrine Emergent Persistent Seasonally Flooded (scrub-shrub wetland)	1	Canton West, Bolivar
Freshwater Forested/Shrub Wetland	PSS1C	Palustrine Scrub-Shrub Broad-Leaved Deciduous Seasonally Flooded (scrub-shrub wetland)	2	Mineral City, Bolivar
Freshwater Pond	PUBG	Palustrine Unconsolidated Bottom Intermittently Exposed (freshwater pond)	17	Bolivar, Waynesburg, Mineral City, Bowerston, Jewett
Freshwater Pond	PUBGh	Palustrine Unconsolidated Bottom Intermittently Exposed Diked/Impounded (freshwater pond)	1	Waynesburg
Freshwater Pond	PUBGx	Palustrine Unconsolidated Bottom Intermittently Exposed Excavated (freshwater pond)	8	Mineral City, Jewett
Riverine	R2UBG	Riverine Lower Perennial Unconsolidated Bottom (river)	1	Mineral City
Riverine	R2UBH	Riverine Lower Perennial Unconsolidated Bottom Permanently Flooded (river)	1	Mineral City
Total Number of NWI Wetlands = 56				

Total Number of PEM = 13, PFO = 7, PSS = 2, PEM/PSS = 1, PUB = 26, Riverine = 2, Lacustrine = 5

NWI Habitat Type¹ : USFWS National Wetlands Inventory Classification De-coder: <http://137.227.242.85/Data/interpreters/wetlands.aspx>

**TABLE 4
DELINEATED WETLANDS WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT SURVEY CORRIDOR**

Wetland Name	Latitude	Longitude	Associated with Pipeline Alignment, Access Road, or Laydown Yard	Cowardin Wetland Type ^a	NWI Classification ^b	ORAM Score	ORAM Category	Acreage within Survey Corridor	Linear Feet Crossed by Centerline
Wetland 001a	40.292473	-81.001604	Pipeline Alignment	PEM	None	33	Category 2	0.05	39
Wetland 001b	40.292241	-81.001427	Pipeline Alignment	POW	None	33	Category 2	0.03	NC
Wetland 002a	40.292385	-81.002432	Pipeline Alignment	PEM	None	27.5	Category 1	0.02	NC
Wetland 002b	40.292204	-81.002581	Pipeline Alignment	PEM	None	27.5	Category 1	0.05	16
Wetland 003	40.294730	-81.005875	Access Road	PEM/PSS	None	35	Category 2	0.06	NC
Wetland 004a	40.296040	-81.024117	Pipeline Alignment	POW	PEM1C	32	Category 2	0.06	NC
Wetland 004b	40.295420	-81.024723	Pipeline Alignment	PEM	PEM1C	32	Category 2	0.11	NC
Wetland 004c	40.295420	-81.024723	Pipeline Alignment	PEM	None	32	Category 2	0.11	NC
Wetland 004d	40.295420	-81.024723	Pipeline Alignment	PEM	None	32	Category 2	0.05	NC
Wetland 005a	40.295971	-81.028694	Pipeline Alignment	PEM/PFO	PEM1C	43	Category 2	0.24	74
Wetland 005b	40.296214	-81.029083	Pipeline Alignment	PEM	PEM1C	43	Category 2	1.54	NC
Wetland 005c	40.295610	-81.029385	Pipeline Alignment	PEM	PEM1C	43	Category 2	0.46	NC
Wetland 005d	40.295683	-81.029749	Pipeline Alignment	PFO	None	43	Category 2	0.10	NC
Wetland 005e	40.295728	-81.030045	Pipeline Alignment	PEM	None	43	Category 2	0.13	9

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Wetland 006	40.296211	-81.030180	Pipeline Alignment	PEM	PEM1C	27	Category 1	0.36	NC
Wetland 007a	40.295915	-81.033126	Pipeline Alignment	PEM	PEM1C	35.5	Category 2	1.21	NC
Wetland 007b	40.295915	-81.033126	Pipeline Alignment	PEM	PEM1C	35.5	Category 2	0.34	NC
Wetland 008	40.302084	-81.046534	Access Road	POW/PEM	None	47	Category 2	0.03	NC
Wetland 009	40.303940	-81.043899	Access Road	PEM	None	27	Category 1	0.02	NC
Wetland 010	40.306005	-81.032884	Access Road	PEM	None	25	Category 1	0.07	NC
Wetland 012a	40.323162	-81.042058	Pipeline Alignment	PEM	PUBGx	56	Category 2	0.04	NC
Wetland 012b	40.323277	-81.042099	Pipeline Alignment	PSS	None	56	Category 2	0.03	NC
Wetland 012c	40.323420	-81.042167	Pipeline Alignment	PEM	None	56	Category 2	0.03	NC
Wetland 012d	40.323767	-81.042580	Pipeline Alignment	PFO	PUBG	56	Category 2	0.05	NC
Wetland 012e	40.324463	-81.043838	Pipeline Alignment	PEM	PUBG	56	Category 2	0.46	NC
Wetland 013	40.328680	-81.047323	Pipeline Alignment	PEM	None	21	Category 1	0.005	NC
Wetland 014	40.329394	-81.047611	Pipeline Alignment	PEM	None	21	Category 1	0.13	NC
Wetland 015	40.331213	-81.048638	Pipeline Alignment	PEM	None	15	Category 1	0.03	NC

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DELINEATED WETLANDS WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT SURVEY CORRIDOR**

Wetland Name	Latitude	Longitude	Associated with Pipeline Alignment, Access Road, or Laydown Yard	Cowardin Wetland Type ^a	NWI Classification ^b	ORAM Score	ORAM Category	Acreage within Survey Corridor	Linear Feet Crossed by Centerline
Wetland 016	40.332372	-81.049936	Pipeline Alignment	PEM	None	18	Category 1	0.01	NC
Wetland 017	40.344057	-81.050710	Pipeline Alignment	PEM	None	30	Category 2	0.03	16
Wetland 018	40.347910	-81.056235	Pipeline Alignment	PFO	None	52	Category 2	0.25	NC
Wetland 019	40.347906	-81.061854	Pipeline Alignment	PEM	None	56	Category 2	0.05	19
Wetland 020	40.347585	-81.063649	Pipeline Alignment	PEM	None	53	Category 2	0.01	NC
Wetland 021a	40.348178	-81.069322	Pipeline Alignment	PEM/PSS	None	28	Category 1	0.03	NC
Wetland 021b	40.348183	-81.069523	Pipeline Alignment	PEM/PSS	None	28	Category 1	0.03	NC
Wetland 022	40.348043	-81.072195	Pipeline Alignment	PEM/PSS	None	47	Category 2	1.05	197
Wetland 023	40.348016	-81.075616	Pipeline Alignment	PEM	None	34	Category 2	0.03	NC
Wetland 024a	40.354820	-81.083450	Pipeline Alignment/Access	PEM	None	39	Category 2	0.97	117
Wetland 024b	40.355479	-81.082839	Access Road	PEM	None	39	Category 2	0.08	NC
Wetland 025	40.363241	-81.090694	Pipeline Alignment	PEM	None	53	Category 2	0.03	NC
Wetland 026	40.363300	-81.091404	Pipeline Alignment	PEM	None	57	Category 2	0.02	NC
Wetland 027	40.363879	-81.091269	Pipeline Alignment	PEM	None	52	Category 2	0.0004	NC

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DELINEATED WETLANDS WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT SURVEY CORRIDOR**

Wetland Name	Latitude	Longitude	Associated with Pipeline Alignment, Access Road, or Laydown Yard	Cowardin Wetland Type ^a	NWI Classification ^b	ORAM Score	ORAM Category	Acreage within Survey Corridor	Linear Feet Crossed by Centerline
Wetland 028	40.363395	-81.092244	Pipeline Alignment	PEM	None	62	Category 3	0.28	NC
Wetland 029	40.363750	-81.092760	Pipeline Alignment	PEM	None	60	Category 3	0.05	NC
Wetland 030	40.370410	-81.100879	Pipeline Alignment	PEM	None	35	Category 2	0.27	51
Wetland 031	40.371398	-81.101446	Pipeline Alignment	PEM	None	47	Category 2	0.01	NC
Wetland 032	40.372209	-81.101441	Pipeline Alignment	PEM	None	48	Category 2	0.02	NC
Wetland 033	40.378759	-81.100594	Pipeline Alignment	PEM	None	28	Category 1	0.002	NC
Wetland 034	40.383577	-81.099354	Pipeline Alignment	PEM	None	32	Category 2	0.03	NC
Wetland 035	40.383902	-81.099365	Pipeline Alignment	PEM	None	40	Category 2	0.09	NC
Wetland 036	40.385598	-81.101069	Pipeline Alignment	PEM	None	28.5	Category 1	0.03	NC
Wetland 037	40.391207	-81.108687	Pipeline Alignment	PFO	None	31	Category 2	0.06	NC
Wetland 041	40.401403	-81.111609	Pipeline Alignment	PEM	None	26	Category 1	0.05	31
Wetland 042	40.401288	-81.114261	Pipeline Alignment	PFO	None	42	Category 2	0.63	33
Wetland 043	40.401248	-81.115232	Pipeline Alignment	PEM	None	26	Category 1	0.02	NC
Wetland 044	40.402426	-81.142447	Pipeline Alignment	PEM	None	42	Category 2	0.06	NC

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DELINEATED WETLANDS WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT SURVEY CORRIDOR**

Wetland Name	Latitude	Longitude	Associated with Pipeline Alignment, Access Road, or Laydown Yard	Cowardin Wetland Type ^a	NWI Classification ^b	ORAM Score	ORAM Category	Acreage within Survey Corridor	Linear Feet Crossed by Centerline
Wetland 045	40.403013	-81.143394	Pipeline Alignment	PEM	None	34.5	Category 2	0.28	NC
Wetland 046a	40.399994	-81.161292	Pipeline Alignment	PEM	None	27.5	Category 1	0.02	NC
Wetland 046b	40.399351	-81.160862	Pipeline Alignment	PEM	None	27.5	Category 1	0.01	NC
Wetland 047	40.399355	-81.167854	Pipeline Alignment	PEM	None	27.5	Category 1	0.03	NC
Wetland 048	40.404168	-81.179050	Pipeline Alignment	PEM	None	36	Category 2	0.39	191
Wetland 049	40.404942	-81.180448	Pipeline Alignment	PEM	None	32.5	Category 2	0.18	NC
Wetland 050	40.409057	-81.192056	Pipeline Alignment	PEM	None	32	Category 2	0.01	NC
Wetland 051	40.409623	-81.193084	Pipeline Alignment	PEM	None	29	Category 1	0.01	10
Wetland 052	40.409251	-81.193451	Pipeline Alignment	PEM	None	48	Category 2	0.03	NC
Wetland 053a	40.408115	-81.199572	Pipeline Alignment	PEM	None	24.5	Category 1	0.10	40
Wetland 053b	40.408494	-81.199453	Pipeline Alignment	PEM	None	24.5	Category 1	0.05	NC
Wetland 054	40.408864	-81.200302	Pipeline Alignment	PEM	None	29	Category 1	0.25	50
Wetland 055	40.416861	-81.206514	Pipeline Alignment	PFO	None	55.5	Category 2	0.04	NC
Wetland 056	40.417882	-81.207675	Pipeline Alignment	PEM	None	35.5	Category 2	0.38	89

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DELINEATED WETLANDS WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT SURVEY CORRIDOR**

Wetland Name	Latitude	Longitude	Associated with Pipeline Alignment, Access Road, or Laydown Yard	Cowardin Wetland Type ^a	NWI Classification ^b	ORAM Score	ORAM Category	Acreage within Survey Corridor	Linear Feet Crossed by Centerline
Wetland 057a	40.419273	-81.208775	Pipeline Alignment	PEM	None	38.5	Category 2	0.17	NC
Wetland 057b	40.419430	-81.209207	Pipeline Alignment	PSS	None	38.5	Category 2	0.38	NC
Wetland 058	40.425528	-81.214114	Pipeline Alignment	PEM/POW	PUBG	39.5	Category 2	0.89	226
Wetland 059a	40.433490	-81.220409	Pipeline Alignment	PEM/PFO	None	40	Category 2	0.09	NC
Wetland 059b	40.433805	-81.220352	Pipeline Alignment	PEM/PFO	None	40	Category 2	0.04	NC
Wetland 060	40.443206	-81.224158	Pipeline Alignment/Access	PEM	None	25	Category 1	0.34	NC
Wetland 061a	40.445943	-81.224808	Pipeline Alignment	PSS	None	41	Category 2	0.32	69
Wetland 061b	40.445959	-81.225505	Pipeline Alignment	PEM	None	41	Category 2	0.12	NC
Wetland 062	40.446568	-81.225150	Pipeline Alignment	PEM	None	19	Category 1	0.02	3
Wetland 063	40.458960	-81.227093	Pipeline Alignment	PEM	None	25	Category 1	0.10	NC
Wetland 064	40.461832	-81.237682	Pipeline Alignment	PEM/PSS	None	42	Category 2	0.01	NC
Wetland 065	40.471787	-81.246232	Pipeline Alignment	PEM	None	20	Category 1	0.09	NC
Wetland 066	40.475521	-81.249002	Pipeline Alignment	PEM	None	29	Category 1	0.81	NC
Wetland 067	40.481473	-81.253630	Pipeline Alignment	PEM	None	31.5	Category 2	0.63	99

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DELINEATED WETLANDS WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT SURVEY CORRIDOR**

Wetland Name	Latitude	Longitude	Associated with Pipeline Alignment, Access Road, or Laydown Yard	Cowardin Wetland Type ^a	NWI Classification ^b	ORAM Score	ORAM Category	Acreage within Survey Corridor	Linear Feet Crossed by Centerline
Wetland 068	40.483233	-81.255197	Pipeline Alignment	PEM	None	27	Category 1	0.89	NC
Wetland 069	40.489915	-81.260712	Pipeline Alignment	PEM	None	25	Category 1	0.02	NC
Wetland 070	40.493749	-81.269112	Pipeline Alignment	PEM	None	53	Category 2	0.39	NC
Wetland 071	40.498262	-81.268632	Pipeline Alignment	PEM	None	12	Category 1	0.16	NC
Wetland 072	40.498737	-81.266067	Access Road	PEM	None	11	Category 1	0.03	NC
Wetland 073a	40.504461	-81.271424	Pipeline Alignment	PEM	None	22	Category 1	0.23	NC
Wetland 073b	40.504702	-81.270766	Pipeline Alignment	PEM	None	22	Category 1	0.50	53
Wetland 074	40.511377	-81.276449	Pipeline Alignment	PEM/PSS	PFO1C	29	Category 1	0.49	NC
Wetland 075a	40.511947	-81.275988	Pipeline Alignment	PEM	None	29	Category 1	0.68	NC
Wetland 075b	40.511631	-81.276016	Pipeline Alignment	PSS	None	29	Category 1	0.39	85
Wetland 075c	40.512170	-81.276858	Pipeline Alignment	PSS	None	29	Category 1	0.10	NC
Wetland 076a	40.514815	-81.276348	Access Road	PEM	L2UBKh	41.5	Category 2	0.28	NC
Wetland 076b	40.514927	-81.278347	Pipeline Alignment	PEM	L2UBKh	41.5	Category 2	2.20	350
Wetland 077a	40.518470	-81.281555	Pipeline Alignment	PSS	L2UBKh	49.5	Category 2	0.76	173

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DELINEATED WETLANDS WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT SURVEY CORRIDOR**

Wetland Name	Latitude	Longitude	Associated with Pipeline Alignment, Access Road, or Laydown Yard	Cowardin Wetland Type ^a	NWI Classification ^b	ORAM Score	ORAM Category	Acreage within Survey Corridor	Linear Feet Crossed by Centerline
Wetland 077b	40.518471	-81.281027	Pipeline Alignment	PEM	None	49.5	Category 2	0.49	89
Wetland 078	40.520283	-81.282447	Pipeline Alignment	PEM	None	20.5	Category 1	0.07	NC
Wetland 079	40.520591	-81.284456	Pipeline Alignment	PSS/PEM	L2UBKh	44	Category 2	0.61	NC
Wetland 080	40.521395	-81.285039	Pipeline Alignment	PEM/PFO	None	34.5	Category 2	0.07	NC
Wetland 081a	40.523676	-81.289939	Pipeline Alignment	PFO/PEM	L2UBKh, PFO1C	47.5	Category 2	0.002	NC
Wetland 081b	40.524154	-81.289787	Pipeline Alignment	PFO/PEM	L2UBKh	47.5	Category 2	0.57	121
Wetland 081c	40.524091	-81.289484	Pipeline Alignment	PFO/PEM	L2UBKh	47.5	Category 2	0.02	14
Wetland 081d	40.524470	-81.289962	Pipeline Alignment	PFO/PEM	L2UBKh	47.5	Category 2	0.01	NC
Wetland 082a	40.525096	-81.291338	Pipeline Alignment	PEM	None	38	Category 2	0.10	NC
Wetland 082b	40.525658	-81.291705	Pipeline Alignment	PEM	None	38	Category 2	0.24	NC
Wetland 083	40.525319	-81.290506	Pipeline Alignment	PEM	None	30	Category 2	0.01	NC
Wetland 084	40.529051	-81.294228	Pipeline Alignment	PEM	None	16	Category 1	0.11	NC
Wetland 085	40.529684	-81.294938	Pipeline Alignment	PEM/PFO	PEM1C	40	Category 2	0.53	78
Wetland 086a	40.537616	-81.307483	Pipeline Alignment	PEM	PFO1C	37.5	Category 2	0.03	NC

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Wetland 086b	40.538375	-81.306559	Pipeline Alignment/Access	PEM	PEM1A	37.5	Category 2	0.10	NC
Wetland 086c	40.539623	-81.308111	Pipeline Alignment/Access	PEM	PEM1A, PFO1C	37.5	Category 2	3.88	522
Wetland 086d	40.540284	-81.308783	Pipeline Alignment	PFO	R2UBH	37.5	Category 2	0.46	42
Wetland 087	40.540377	-81.304568	Access Road	PEM	L2UBKh	14	Category 1	0.44	NC
Wetland 088	40.541503	-81.309343	Pipeline Alignment	PFO	L2UBKh	39.5	Category 2	0.52	71
Wetland 089	40.542002	-81.309575	Pipeline Alignment	PFO/POW/PEM	L2UBKh	39	Category 2	0.49	55
Wetland 090a	40.548754	-81.313499	Pipeline Alignment	PEM	L2UBKh	14.5	Category 1	0.19	25
Wetland 090b	40.548962	-81.313779	Pipeline Alignment	PEM	L2UBKh	14.5	Category 1	0.03	72
Wetland 090c	40.549629	-81.313951	Pipeline Alignment	PEM	L2UBKh	14.5	Category 1	0.33	185
Wetland 091	40.557372	-81.318362	Pipeline Alignment	PFO/PSS	PFO1C	62	Category 3	0.82	NC
Wetland 092	40.560184	-81.316760	Pipeline Alignment	PEM	L2UBKh	19	Category 1	0.35	NC
Wetland 093	40.560005	-81.315792	Pipeline Alignment	PEM	L2UBKh	12	Category 1	0.09	NC
Wetland 094a	40.561985	-81.315178	Pipeline Alignment	PFO/PEM	L2UBKh	41	Category 2	1.49	NC
Wetland 094b	40.560750	-81.316213	Pipeline Alignment	PEM/PSS	L2UBKh	31	Category 2	0.31	71

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Wetland 094c	40.560426	-81.315301	Pipeline Alignment	PFO/PEM	L2UBKh	41	Category 2	0.16	NC
Wetland 094d	40.560620	-81.316409	Pipeline Alignment	PEM/PSS	L2UBKh	31	Category 2	0.16	20
Wetland 095	40.565794	-81.314607	Pipeline Alignment	PEM	L2UBKh	39	Category 2	0.18	27
Wetland 096	40.575335	-81.316087	Pipeline Alignment	PEM	None	19	Category 1	0.22	NC
Wetland 097	40.580640	-81.319862	Pipeline Alignment	PEM	None	20	Category 1	0.24	108
Wetland 098a	40.583830	-81.321555	Pipeline Alignment	PEM	None	33	Category 2	0.98	267
Wetland 098b	40.585713	-81.322665	Pipeline Alignment	PEM	None	33	Category 2	0.71	132
Wetland 099	40.587242	-81.327528	Access Road	PUB	None	30	Category 2	0.003	NC
Wetland 100	40.587913	-81.326723	Access Road	PEM/PFO	None	21.5	Category 1	0.02	NC
Wetland 101	40.591697	-81.327132	Pipeline Alignment	PEM	PEM1C, PUBG	40	Category 2	1.00	147
Wetland 102	40.592987	-81.327906	Pipeline Alignment	PEM	PEM1C	40	Category 2	0.48	109
Wetland 103	40.596502	-81.330984	Pipeline Alignment	PEM	None	27	Category 1	0.04	17
Wetland 104	40.599417	-81.332984	Pipeline Alignment	PEM	None	26	Category 1	0.21	49
Wetland 105	40.601922	-81.335585	Pipeline Alignment	PEM	None	27	Category 1	0.11	NC

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Wetland 106	40.604225	-81.339810	Access Road	PEM	PSS1C	23	Category 1	0.02	NC
Wetland 107a	40.605201	-81.336914	Pipeline Alignment	PEM	PSS1C	43	Category 2	0.54	84
Wetland 107b	40.605203	-81.337574	Pipeline Alignment	PFO	PSS1C	43	Category 2	0.60	70
Wetland 107c	40.605591	-81.337083	Pipeline Alignment	PEM	PSS1C	43	Category 2	0.25	NC
Wetland 107d	40.605602	-81.337667	Pipeline Alignment	PFO	PSS1C	43	Category 2	0.29	128
Wetland 108a	40.606204	-81.337285	Pipeline Alignment	PEM	None	41	Category 2	0.45	NC
Wetland 108b	40.606066	-81.337740	Pipeline Alignment	PEM/PSS	None	41	Category 2	0.54	145
Wetland 109	40.608604	-81.338326	Pipeline Alignment	PEM/PFO	None	39	Category 2	0.15	NC
Wetland 110	40.609457	-81.337708	Pipeline Alignment	PEM	None	40	Category 2	0.06	NC
Wetland 111	40.615595	-81.339028	Pipeline Alignment	PEM	None	40	Category 2	0.33	NC
Wetland 112	40.621152	-81.339983	Pipeline Alignment/Access	PFO/PSS/PEM	R2UBG, L2UBKh,	50.5	Category 2	10.56	753
Wetland 113	40.623625	-81.338899	Pipeline Alignment	PFO	L2UBKh	58	Category 2	0.67	92
Wetland 114a	40.625864	-81.330428	Access Road	PEM	None	21	Category 1	0.002	NC
Wetland 114b	40.625818	-81.330775	Access Road	PEM	None	21	Category 1	0.02	NC

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Wetland Name	Latitude	Longitude	Associated with Pipeline Alignment, Access Road, or Laydown Yard	Cowardin Wetland Type ^a	NWI Classification ^b	ORAM Score	ORAM Category	Acreage within Survey Corridor	Linear Feet Crossed by Centerline
Wetland 115	40.629231	-81.331072	Access Road	PEM	None	13	Category 1	0.04	NC
Wetland 116a	40.631971	-81.335401	Pipeline Alignment	PFO	None	30.5	Category 2	0.15	NC
Wetland 116b	40.632356	-81.334190	Access Road	PFO	None	30.5	Category 2	0.00	NC
Wetland 117	40.633516	-81.336092	Pipeline Alignment	PFO/PEM	L2UBKh	46	Category 2	0.19	34
Wetland 118	40.633793	-81.333936	Access Road	PSS/PEM	None	41	Category 2	0.04	NC
Wetland 119	40.635889	-81.336146	Pipeline Alignment	PEM	None	20.5	Category 1	0.03	NC
Wetland 120	40.643197	-81.336389	Pipeline Alignment	POW	PEM1C	36.5	Category 2	0.09	NC
Wetland 121	40.644382	-81.336827	Pipeline Alignment	PEM	None	19.5	Category 1	0.01	NC
Wetland 122	40.644442	-81.339874	Access Road	PEM/PSS/POW	None	48.5	Category 2	0.13	NC
Wetland 123	40.646402	-81.340385	Access Road	PEM	None	26	Category 1	0.13	NC
Wetland 126	40.656081	-81.330267	Access Road	PEM	None	33	Category 2	0.03	NC
Wetland 127	40.658811	-81.328004	Pipeline Alignment	PEM	None	29.5	Category 1	0.09	NC
Wetland 128a	40.661242	-81.329131	Pipeline Alignment	PEM	None	32	Category 2	1.60	18
Wetland 128b	40.659761	-81.327060	Pipeline Alignment	PEM/PFO	None	32	Category 2	0.04	NC

Table 4

**TABLE 4
DELINEATED WETLANDS WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT SURVEY CORRIDOR**

Wetland Name	Latitude	Longitude	Associated with Pipeline Alignment, Access Road, or Laydown Yard	Cowardin Wetland Type ^a	NWI Classification ^b	ORAM Score	ORAM Category	Acreage within Survey Corridor	Linear Feet Crossed by Centerline
Wetland 129	40.672775	-81.338152	Pipeline Alignment	PEM	None	23	Category 1	0.14	17
Wetland 130	40.674942	-81.346975	Pipeline Alignment	PEM	None	45	Category 2	0.14	NC
Wetland 131a	40.675453	-81.347851	Pipeline Alignment	PEM	None	53.5	Category 2	0.08	31
Wetland 131b	40.675032	-81.347756	Pipeline Alignment	PEM/PSS	None	53.5	Category 2	0.24	NC
Wetland 131c	40.675553	-81.347990	Pipeline Alignment	PEM/PSS	None	53.5	Category 2	0.38	66
Wetland 132	40.684163	-81.350781	Pipeline Alignment	PEM	None	38	Category 2	0.03	NC
Wetland 133	40.684640	-81.351219	Pipeline Alignment	PEM	None	38	Category 2	0.03	NC
Wetland 134	40.685406	-81.351003	Pipeline Alignment	PEM	None	40	Category 2	0.42	85
Wetland 135	40.685492	-81.351540	Pipeline Alignment	PEM	None	22.5	Category 1	0.24	24
Wetland 136	40.686487	-81.351330	Pipeline Alignment	PEM	None	35	Category 2	0.16	NC
Wetland 137	40.687002	-81.352088	Pipeline Alignment	PEM	None	28	Category 1	0.12	NC
Wetland 138	40.689813	-81.352547	Pipeline Alignment	PEM	None	18.5	Category 1	0.03	NC
Wetland 139	40.692190	-81.352404	Pipeline Alignment	PEM	None	33	Category 2	0.93	113
Wetland 140a	40.695257	-81.353563	Pipeline Alignment	PEM	None	38	Category 2	0.03	NC

Table 4

**TABLE 4
DELINEATED WETLANDS WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT SURVEY CORRIDOR**

Wetland Name	Latitude	Longitude	Associated with Pipeline Alignment, Access Road, or Laydown Yard	Cowardin Wetland Type ^a	NWI Classification ^b	ORAM Score	ORAM Category	Acreage within Survey Corridor	Linear Feet Crossed by Centerline
Wetland 140b	40.695342	-81.353305	Pipeline Alignment	PFO	None	38	Category 2	0.15	NC
Wetland 141a	40.698627	-81.355381	Pipeline Alignment	PFO	None	36	Category 2	0.10	4
Wetland 141b	40.698826	-81.355012	Pipeline Alignment	PEM	None	36	Category 2	0.07	51
Wetland 141c	40.698890	-81.354766	Pipeline Alignment	PFO	None	36	Category 2	0.12	NC
Wetland 142	40.700591	-81.356157	Pipeline Alignment	PEM	None	17.5	Category 1	0.14	45
Wetland 143	40.702911	-81.358422	Pipeline Alignment	PEM	None	22	Category 1	0.03	NC
Wetland 144	40.703624	-81.358029	Pipeline Alignment	PEM	None	21	Category 1	0.01	NC
Wetland 145	40.707759	-81.363367	Pipeline Alignment	PEM	None	27	Category 1	0.10	9
Wetland 146	40.711366	-81.363183	Pipeline Alignment	PEM	None	15	Category 1	0.03	NC
Wetland 147	40.719047	-81.368509	Pipeline Alignment	PEM	None	36.5	Category 2	0.01	NC
Wetland 148	40.724046	-81.374369	Pipeline Alignment	POW/PFO	None	45	Category 2	0.04	NC
Wetland 149a	40.724840	-81.374218	Pipeline Alignment	PFO	None	41	Category 2	0.02	NC
Wetland 149b	40.724584	-81.374687	Pipeline Alignment	PEM	None	41	Category 2	0.04	NC
Wetland 150	40.724915	-81.375200	Pipeline Alignment	PEM	None	30	Category 2	0.06	NC

Table 4

**TABLE 4
DELINEATED WETLANDS WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT SURVEY CORRIDOR**

Wetland Name	Latitude	Longitude	Associated with Pipeline Alignment, Access Road, or Laydown Yard	Cowardin Wetland Type ^a	NWI Classification ^b	ORAM Score	ORAM Category	Acreage within Survey Corridor	Linear Feet Crossed by Centerline
Wetland 151	40.725276	-81.375923	Pipeline Alignment	PEM	None	43.5	Category 2	0.39	NC
Wetland 152	40.727168	-81.378279	Pipeline Alignment	POW/PFO	None	40	Category 2	0.15	NC
Wetland 153	40.727829	-81.379722	Pipeline Alignment	POW/PEM	PUBG	41	Category 2	0.22	NC
Wetland 154	40.727466	-81.386829	Pipeline Alignment	PEM	None	40	Category 2	0.04	15
Wetland 155a	40.727436	-81.389114	Pipeline Alignment	POW/PFO	PUBG	50	Category 2	0.14	NC
Wetland 155b	40.727630	-81.388712	Pipeline Alignment	POW/PFO	None	50	Category 2	0.01	NC
Wetland 156	40.728738	-81.391703	Pipeline Alignment	PEM	None	22	Category 1	0.02	NC
Wetland 157	40.735958	-81.397025	Pipeline Alignment	PFO	None	30.5	Category 2	0.03	NC
Wetland 158	40.738471	-81.400129	Pipeline Alignment	PFO	None	36.5	Category 2	0.51	NC
Wetland 160	40.747755	-81.403813	Pipeline Alignment	PEM	None	15	Category 1	0.02	NC
Wetland 161a	40.747405	-81.410679	Pipeline Alignment	PFO	None	46	Category 2	0.90	NC
Wetland 161b	40.747680	-81.410296	Pipeline Alignment	PEM	None	46	Category 2	0.41	287
Wetland 161c	40.747841	-81.409568	Pipeline Alignment	PFO	PSS1C	46	Category 2	1.34	NC
Wetland 161d	40.747822	-81.408483	Pipeline Alignment	PEM	PSS1C	46	Category 2	0.24	NC

Table 4

**TABLE 4
DELINEATED WETLANDS WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT SURVEY CORRIDOR**

Wetland Name	Latitude	Longitude	Associated with Pipeline Alignment, Access Road, or Laydown Yard	Cowardin Wetland Type ^a	NWI Classification ^b	ORAM Score	ORAM Category	Acreage within Survey Corridor	Linear Feet Crossed by Centerline
Wetland 162a	40.749313	-81.410471	Pipeline Alignment	PFO	None	43	Category 2	0.07	NC
Wetland 162b	40.749348	-81.410242	Pipeline Alignment	PEM	None	43	Category 2	0.10	72
Wetland 162c	40.749619	-81.409869	Pipeline Alignment	PFO	PSS1/EM1C	43	Category 2	0.45	NC
Wetland 163	40.753819	-81.410194	Pipeline Alignment	PFO	PEM1Ad	45	Category 2	0.30	NC
Wetland 164	40.754515	-81.410042	Pipeline Alignment	PEM	PEM1Ad	34	Category 2	0.10	23
Wetland 165	40.757900	-81.409340	Pipeline Alignment	PEM	None	39	Category 2	0.11	NC
Wetland 166	40.759581	-81.409739	Pipeline Alignment	PFO/PEM	None	49.5	Category 2	0.24	NC
Wetland 167	40.766383	-81.407802	Access Road	PFO/PEM	None	45.5	Category 2	0.02	NC
Wetland 168	40.769920	-81.408961	Pipeline Alignment	PEM	None	16	Category 1	0.06	NC
Wetland 170	40.304664	-81.037528	Pipeline Alignment	PEM	None	27	Category 1	0.23	NC
Wetland 171	40.459709	-81.231999	Pipeline Alignment	PEM	None	26	Category 1	0.05	NC
Wetland 172	40.529095	-81.295392	Pipeline Alignment	PEM	None	18	Category 1	0.01	NC
Wetland 173	40.618240	-81.340672	Pipeline Alignment	PEM	None	28	Category 1	0.06	45
Wetland 174	40.620337	-81.341502	Pipeline Alignment/Access	PEM	L2UBKh	20	Category 1	0.09	NC

Table 4

**TABLE 4
DELINEATED WETLANDS WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT SURVEY CORRIDOR**

Wetland Name	Latitude	Longitude	Associated with Pipeline Alignment, Access Road, or Laydown Yard	Cowardin Wetland Type ^a	NWI Classification ^b	ORAM Score	ORAM Category	Acreage within Survey Corridor	Linear Feet Crossed by Centerline
Wetland 175a	40.648677	-81.332285	Pipeline Alignment	PEM	None	33	Category 2	0.01	NC
Wetland 175b	40.648921	-81.332953	Pipeline Alignment	PEM	None	33	Category 2	0.09	NC
Wetland 176	40.651201	-81.329974	Pipeline Alignment	PEM	None	33	Category 2	0.32	56
Wetland 177	40.651885	-81.328801	Pipeline Alignment	PEM/PFO	None	43	Category 2	0.18	44
Wetland 178	40.652486	-81.329288	Pipeline Alignment	PEM	PEM1C	26.5	Category 1	0.23	NC
Wetland 179	40.653398	-81.328160	Pipeline Alignment	PEM	None	23	Category 1	0.02	NC
Wetland 180	40.653407	-81.327627	Pipeline Alignment	PUB	None	33.5	Category 2	0.00	NC
Wetland 181	40.662653	-81.329919	Pipeline Alignment	PEM	None	19	Category 1	0.09	NC
Wetland 182	40.663009	-81.330589	Pipeline Alignment	PEM/POW	PUBG	27.5	Category 1	0.08	NC
Wetland 183	40.765166	-81.409727	Pipeline Alignment	PEM	None	19	Category 1	0.02	NC
Wetland 184	40.452282	-81.223504	Pipeline Alignment	PSS/PEM	None	25	Category 1	0.18	127
Wetland 185	40.770472	-81.409583	Pipeline Alignment	PEM	None	10	Category 1	0.07	NC
Wetland 187	40.294722	-81.023722	Pipeline Alignment	PEM	None	23	Category 1	0.16	76
Wetland 188	40.295325	-81.024531	Pipeline Alignment	PEM	None	25	Category 1	0.05	30

Table 4

**TABLE 4
DELINEATED WETLANDS WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT SURVEY CORRIDOR**

Wetland Name	Latitude	Longitude	Associated with Pipeline Alignment, Access Road, or Laydown Yard	Cowardin Wetland Type ^a	NWI Classification ^b	ORAM Score	ORAM Category	Acreage within Survey Corridor	Linear Feet Crossed by Centerline
Wetland 189	40.295426	-81.028210	Pipeline Alignment	PEM	None	18.5	Category 1	0.08	25
Wetland 190	40.564659	-81.314543	Pipeline Alignment	PFO/PSS	L2UBKh	48.5	Category 2	0.24	NC
Wetland 191	40.744057	-81.407078	Pipeline Alignment	PSS/PFO	None	30	Category 2	0.53	NC
Wetland 192	40.290066	-81.012799	Access Road	PEM/PSS	None	23.5	Category 1	0.02	NC
242	PEM: 160; PFO: 24; PSS: 6; POW: 3; PUB: 2; PEM/PFO: 9; PEM/POW: 2; PEM/PSS: 12; PEM/PSS/POW: 1; PFO/PEM: 9; PFO/POW/PEM: 1; PFO/PSS: 2; PFO/PSS/PEM: 1; PSS/PEM: 3; PSS/PFO: 1; POW/PEM: 2; POW/PFO: 4							69.34	6,827

Cowardin Wetland Type^a: PEM = palustrine emergent, PSS = palustrine scrub/shrub, PFO = palustrine forested, POW = palustrine open water, PUB = palustrine unconsolidated bottom

NWI Classification : L2UBKh = Lacustrine Littoral Unconsolidated Bottom Artificially Flooded Diked/Impounded (lake), PEM1A = Palustrine Emergent Persistent Temporary Flooded (emergent wetland), PEM1Ad = Palustrine Emergent Persistent Temporary Flooded Partially Drained/Ditched (emergent wetland), PEM1C = Palustrine Emergent Persistent Seasonally Flooded (emergent wetland), PFO1C = Palustrine Forested Broad-Leaved Deciduous Seasonally Flooded (forested wetland), PSS1/EM1C = Palustrine Scrub-Shrub Broad-Leaved Deciduous/Palustrine Emergent Persistent Seasonally Flooded (scrub-shrub wetland), PSS1C = Palustrine Scrub-Shrub Broad-Leaved Deciduous Seasonally Flooded (scrub-shrub wetland), PUBG = Palustrine Unconsolidated Bottom Intermittently Exposed (freshwater pond), PUBGx = Palustrine Unconsolidated Bottom Intermittently Exposed Excavated (freshwater pond), R2UBG = Riverine Lower Perennial Unconsolidated Bottom (river), R2UBH = Riverine Lower Perennial Unconsolidated Bottom Permanently Flooded (river)

Linear Feet Crossed by Centerline^c: NC = Not Crossed by proposed centerline

**TABLE 5
DELINEATED STREAMS WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT SURVEY CORRIDOR**

Report Name	Latitude	Longitude	Associated with Pipeline Alignment, Access Road, or Laydown Yard	Waterbody	Flow Regime	Form Used ^a	Score ^b	Class or Narrative Description	Bankfull Width (feet)	Maximum Pool Depth (inches)	Crossed by Centerline	Linear Feet within Survey Corridor
Stream 002	40.292728	-81.001883	Pipeline Alignment	Unnamed tributary to unnamed tributary to Clear Fork	Ephemeral	HHEI	43	Class 2	2.5	3	No	85
Stream 003	40.295494	-81.024615	Pipeline Alignment	Unnamed tributary to Standingstone Fork	Intermittent	HHEI	50	Modified Class 2	2.5	6	Yes	391
Stream 004	40.295925	-81.030011	Pipeline Alignment/Access Road	Unnamed tributary to Standingstone Fork	Intermittent	HHEI	59	Modified Class 2	3.5	0	Yes	587
Stream 005	40.302954	-81.045273	Access Road	Unnamed tributary to Standingstone Fork	Perennial	HHEI	49	Modified Class 2	6.0	24	No	842
Stream 006	40.328870	-81.047472	Pipeline Alignment	Unnamed tributary to Clear Fork	Intermittent	HHEI	35	Modified Class 2	3.0	2	Yes	548
Stream 007	40.329686	-81.048077	Pipeline Alignment	Clear Fork	Perennial	QHEI	46	Fair Warmwater	14.0	28	Yes	375
Stream 008	40.329948	-81.047837	Pipeline Alignment	Unnamed tributary to Clear Fork	Intermittent	HHEI	35	Modified Class 2	2.0	2	No	130
Stream 009	40.341620	-81.051134	Pipeline Alignment	Unnamed tributary to unnamed tributary to Clear Fork	Intermittent	HHEI	40	Modified Class 2	1.5	2	Yes	259
Stream 010	40.341633	-81.051481	Pipeline Alignment	Unnamed tributary to unnamed tributary to Clear Fork	Ephemeral	HHEI	39	Class 2	2.5	2	No	15
Stream 011	40.344067	-81.051066	Pipeline Alignment	Unnamed tributary to unnamed tributary to Clear Fork	Ephemeral	HHEI	27	Class 1	2.5	1.5	No	126
Stream 012	40.344148	-81.051115	Pipeline Alignment	Unnamed tributary to unnamed tributary to Clear Fork	Ephemeral	HHEI	21	Class 1	1.5	0	No	56
Stream 013	40.346285	-81.050941	Pipeline Alignment	Unnamed tributary to unnamed tributary to Clear Fork	Ephemeral	HHEI	21	Class 1	1.5	0	No	42
Stream 014	40.347737	-81.050174	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	37	Class 2	3.0	1	Yes	443
Stream 015	40.347832	-81.050963	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	56	Class 3	5.0	3	Yes	634

**TABLE 5
DELINEATED STREAMS WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT SURVEY CORRIDOR**

Report Name	Latitude	Longitude	Associated with Pipeline Alignment, Access Road, or Laydown Yard	Waterbody	Flow Regime	Form Used ^a	Score ^b	Class or Narrative Description	Bankfull Width (feet)	Maximum Pool Depth (inches)	Crossed by Centerline	Linear Feet within Survey Corridor
Stream 016	40.348041	-81.056197	Pipeline Alignment	Unnamed tributary to Clear Fork	Perennial	HHEI	78	Class 3	8.0	9	Yes	555
Stream 017	40.347794	-81.061696	Pipeline Alignment	Unnamed tributary to Clear Fork	Perennial	HHEI	66	Class 3	8.0	12	Yes	301
Stream 018	40.347776	-81.063773	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Clear Fork	Intermittent	HHEI	42	Class 2	3.5	2	Yes	222
Stream 019	40.348249	-81.068863	Pipeline Alignment	Unnamed tributary to unnamed tributary to Clear Fork	Ephemeral	HHEI	14	Class 1	1.5	0	No	240
Stream 020	40.348063	-81.072491	Pipeline Alignment	Unnamed tributary to Clear Fork	Perennial	HHEI	31	Class 2	3.0	12	Yes	260
Stream 021	40.348332	-81.076008	Pipeline Alignment	Unnamed tributary to unnamed tributary to Clear Fork	Intermittent	HHEI	65	Modified Class 2	3.5	4	Yes	491
Stream 022	40.354824	-81.083670	Pipeline Alignment/Access Road	Unnamed tributary to Clear Fork	Perennial	HHEI	62	Modified Class 2	4.5	10	Yes	613
Stream 023	40.363383	-81.091433	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Clear Fork	Ephemeral	HHEI	31	Class 2	2.0	1	Yes	392
Stream 024	40.363591	-81.091422	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Clear Fork	Ephemeral	HHEI	24	Class 1	2.0	1	Yes	152
Stream 025	40.363798	-81.091612	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Clear Fork	Ephemeral	HHEI	23	Class 1	2.0	1	Yes	268
Stream 026	40.363694	-81.092568	Pipeline Alignment	Unnamed tributary to unnamed tributary to Clear Fork	Intermittent	HHEI	48	Class 2	3.5	3	Yes	395
Stream 027	40.371233	-81.101302	Pipeline Alignment	Unnamed tributary to Beaverdam Run	Ephemeral	HHEI	51	Class 2	2.6	4	No	1111
Stream 028	40.370351	-81.100607	Pipeline Alignment	Unnamed tributary to unnamed tributary to Beaverdam Run	Ephemeral	HHEI	45	Class 2	2.5	4.5	Yes	247
Stream 029	40.371844	-81.101374	Pipeline Alignment	Unnamed tributary to unnamed tributary to Beaverdam Run	Ephemeral	HHEI	25	Class 1	1.2	1	No	144

**TABLE 5
DELINEATED STREAMS WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT SURVEY CORRIDOR**

Report Name	Latitude	Longitude	Associated with Pipeline Alignment, Access Road, or Laydown Yard	Waterbody	Flow Regime	Form Used ^a	Score ^b	Class or Narrative Description	Bankfull Width (feet)	Maximum Pool Depth (inches)	Crossed by Centerline	Linear Feet within Survey Corridor
Stream 030	40.382127	-81.099899	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	20	Class 1	1.2	1	Yes	116
Stream 031	40.383530	-81.099736	Pipeline Alignment	Unnamed tributary to Conotton Creek	Intermittent	HHEI	65	Class 2	6.6	6.5	Yes	413
Stream 032	40.399209	-81.109343	Pipeline Alignment	Unnamed tributary to Conotton Creek	Ephemeral	HHEI	47	Class 2	4.0	3	Yes	888
Stream 033	40.391449	-81.108516	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	12	Class 1	2.0	0	No	6
Stream 034	40.391575	-81.108981	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	21	Modified Class 1	1.5	1	Yes	140
Stream 035	40.392856	-81.109214	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	23	Class 1	1.5	2	Yes	244
Stream 037	40.394850	-81.109074	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	21	Class 1	1.5	1.5	No	309
Stream 041	40.401143	-81.111422	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	26	Class 1	1.5	1.5	Yes	458
Stream 042	40.400881	-81.111624	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	26	Class 1	1.5	1.5	No	156
Stream 043	40.401118	-81.114537	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Intermittent	HHEI	56	Modified Class 2	3.5	4	Yes	823
Stream 044	40.400942	-81.114833	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	14	Class 1	1.0	0	No	49
Stream 045	40.401157	-81.114995	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	17	Class 1	1.5	1	No	102
Stream 046	40.402074	-81.122359	Pipeline Alignment	Unnamed tributary to Conotton Creek	Ephemeral	HHEI	37	Modified Class 2	2.0	2	Yes	351
Stream 047	40.402438	-81.125957	Pipeline Alignment	Unnamed tributary to Conotton Creek	Ephemeral	HHEI	19	Modified Class 1	1.5	0	No	92

**TABLE 5
DELINEATED STREAMS WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT SURVEY CORRIDOR**

Report Name	Latitude	Longitude	Associated with Pipeline Alignment, Access Road, or Laydown Yard	Waterbody	Flow Regime	Form Used ^a	Score ^b	Class or Narrative Description	Bankfull Width (feet)	Maximum Pool Depth (inches)	Crossed by Centerline	Linear Feet within Survey Corridor
Stream 048	40.402487	-81.140789	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	20	Class 1	1.5	1	No	433
Stream 049	40.402630	-81.140559	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	14	Class 1	1.0	0	No	46
Stream 050	40.402909	-81.142607	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Intermittent	HHEI	29	Class 1	2.5	1	No	149
Stream 051	40.402639	-81.142659	Pipeline Alignment	Unnamed tributary to Conotton Creek	Perennial	QHEI	52.5	Fair Warmwater	8.0	20	Yes	360
Stream 052	40.402391	-81.144432	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	24	Class 1	1.0	0.5	No	35
Stream 053	40.402430	-81.147304	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	27	Class 1	1.5	0.5	No	29
Stream 054	40.402156	-81.149543	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	28	Class 1	2.5	1	Yes	277
Stream 055	40.402022	-81.149596	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	28	Class 1	1.0	0.5	No	103
Stream 056	40.402306	-81.150560	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	27	Class 1	1.5	1	Yes	194
Stream 057	40.401276	-81.153885	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to unnamed	Ephemeral	HHEI	28	Class 1	1.5	1	Yes	292
Stream 058	40.401483	-81.154695	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to unnamed	Ephemeral	HHEI	18	Modified Class 1	1.0	1	No	56
Stream 059	40.401080	-81.155733	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Conotton Creek	Intermittent	HHEI	30	Modified Class 2	2.5	1	Yes	330
Stream 060	40.399604	-81.161134	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Intermittent	HHEI	68	Modified Class 2	4.0	5	Yes	725
Stream 061	40.399459	-81.161381	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	23	Modified Class 1	2.0	1	No	408

**TABLE 5
DELINEATED STREAMS WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT SURVEY CORRIDOR**

Report Name	Latitude	Longitude	Associated with Pipeline Alignment, Access Road, or Laydown Yard	Waterbody	Flow Regime	Form Used ^a	Score ^b	Class or Narrative Description	Bankfull Width (feet)	Maximum Pool Depth (inches)	Crossed by Centerline	Linear Feet within Survey Corridor
Stream 081	40.409694	-81.193121	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	26	Class 1	1.5	0.5	No	76
Stream 082	40.409577	-81.193350	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Intermittent	HHEI	57	Modified Class 2	3.5	4	Yes	445
Stream 083	40.407853	-81.199686	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Intermittent	HHEI	48	Modified Class 2	3.5	3	Yes	382
Stream 084	40.409018	-81.201054	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	25	Modified Class 1	3.0	1	Yes	703
Stream 085	40.409246	-81.201573	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	32	Modified Class 2	0.8	0.5	No	70
Stream 086	40.417743	-81.207511	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	46	Class 2	4.0	2	No	1078
Stream 087	40.419162	-81.208699	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Intermittent	HHEI	57	Modified Class 2	6.0	9	No	152
Stream 088	40.419401	-81.208421	Pipeline Alignment	Unnamed tributary to Conotton Creek	Ephemeral	HHEI	61	Modified Class 2	6.0	8	Yes	490
Stream 089	40.425755	-81.214685	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	26	Class 1	1.5	0.5	No	56
Stream 090	40.432110	-81.219585	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	26	Class 1	2.0	0.5	Yes	457
Stream 093	40.433665	-81.220574	Pipeline Alignment	Unnamed tributary to Conotton Creek	Intermittent	HHEI	65	Modified Class 2	5.0	14	Yes	488
Stream 094	40.437551	-81.223034	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	29	Modified Class 1	2.5	1	No	406
Stream 095	40.442546	-81.224582	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	14	Modified Class 1	1.0	0	No	81
Stream 096	40.442816	-81.224504	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Intermittent	HHEI	29	Modified Class 1	2.0	2	No	316

**TABLE 5
DELINEATED STREAMS WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT SURVEY CORRIDOR**

Report Name	Latitude	Longitude	Associated with Pipeline Alignment, Access Road, or Laydown Yard	Waterbody	Flow Regime	Form Used ^a	Score ^b	Class or Narrative Description	Bankfull Width (feet)	Maximum Pool Depth (inches)	Crossed by Centerline	Linear Feet within Survey Corridor
Stream 097	40.443927	-81.224504	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	29	Modified Class 1	1.5	0.5	Yes	347
Stream 098	40.445318	-81.224710	Access Road	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	22	Modified Class 1	1.5	1	No	816
Stream 099	40.445870	-81.225007	Pipeline Alignment	Unnamed tributary to Conotton Creek	Perennial	HHEI	45	Modified Class 2	2.0	7	Yes	337
Stream 100	40.446885	-81.219311	Access Road	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	31	Modified Class 2	2.0	0	No	103
Stream 101	40.446456	-81.224717	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	25	Modified Class 1	2.0	1	No	54
Stream 102	40.446459	-81.224640	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Intermittent	HHEI	25	Modified Class 1	2.0	1	No	22
Stream 103	40.447997	-81.225055	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	67	Modified Class 2	3.5	9	Yes	1093
Stream 104	40.455616	-81.225162	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Conotton Creek	Intermittent	HHEI	78	Class 3	5.0	6	Yes	280
Stream 105	40.455882	-81.225254	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	54	Class 3	3.5	3.5	Yes	325
Stream 106	40.457582	-81.226807	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	14	Modified Class 1	2.0	0	No	219
Stream 107	40.457863	-81.226806	Pipeline Alignment	Unnamed tributary to Conotton Creek	Intermittent	QHEI	51.5	Fair Warmwater	8.0	14	Yes	350
Stream 108	40.458011	-81.226439	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Intermittent	HHEI	49	Modified Class 2	3.0	5	No	225
Stream 109	40.460880	-81.237144	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	42	Class 2	3.0	5	Yes	623
Stream 110	40.461543	-81.236857	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	19	Class 1	1.5	0	No	243

**TABLE 5
DELINEATED STREAMS WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT SURVEY CORRIDOR**

Report Name	Latitude	Longitude	Associated with Pipeline Alignment, Access Road, or Laydown Yard	Waterbody	Flow Regime	Form Used ^a	Score ^b	Class or Narrative Description	Bankfull Width (feet)	Maximum Pool Depth (inches)	Crossed by Centerline	Linear Feet within Survey Corridor
Stream 125	40.513364	-81.277213	Pipeline Alignment/Access Road	Conotton Creek	Perennial	QHEI	36	Poor Warmwater	74.0	36	Yes	866
Stream 126	40.514363	-81.276717	Access Road	Unnamed tributary to Conotton Creek	Ephemeral	HHEI	27	Modified Class 1	3.0	2	No	54
Stream 127	40.520183	-81.283174	Pipeline Alignment	Unnamed tributary to Conotton Creek	Ephemeral	HHEI	38	Class 2	3.5	2	Yes	446
Stream 128	40.521577	-81.285507	Pipeline Alignment	Unnamed tributary to Conotton Creek	Intermittent	HHEI	27	Modified Class 1	4.0	1	Yes	506
Stream 129	40.524762	-81.290251	Pipeline Alignment	Indian Fork	Perennial	QHEI	50.5	Fair Warmwater	20.0	36	Yes	440
Stream 130	40.525139	-81.291205	Pipeline Alignment	Unnamed tributary to Indian Fork	Ephemeral	HHEI	26	Modified Class 1	2.5	1.5	No	394
Stream 131	40.524871	-81.291032	Pipeline Alignment	Unnamed tributary to Indian Fork	Ephemeral	HHEI	25	Modified Class 1	2.5	1.5	Yes	186
Stream 132	40.525696	-81.292046	Pipeline Alignment	Unnamed tributary to unnamed tributary to Indian Fork	Ephemeral	HHEI	25	Modified Class 1	3.0	0	No	91
Stream 133	40.529633	-81.295127	Pipeline Alignment	Unnamed tributary to Conotton Creek	Intermittent	HHEI	51	Class 2	4.0	14	Yes	337
Stream 134	40.540190	-81.309229	Pipeline Alignment	Conotton Creek	Perennial	QHEI	35	Poor Warmwater	60.0	48	Yes	781
Stream 135	40.541523	-81.309390	Pipeline Alignment	Dog Run	Perennial	QHEI	45.5	Fair Warmwater	8.0	24	Yes	343
Stream 136	40.543926	-81.310979	Pipeline Alignment/Access Road	Unnamed tributary to Conotton Creek	Ephemeral	HHEI	12	Class 1	2.0	0	Yes	760
Stream 137	40.546707	-81.314413	Access Road	Unnamed tributary to unamed tributary to Conotton Creek	Ephemeral	HHEI	21	Modified Class 1	3.5	0	No	768
Stream 138	40.547738	-81.313262	Pipeline Alignment/Access Road	Unnamed tributary to Conotton Creek	Intermittent	HHEI	38	Class 2	2.5	4	Yes	1056

**TABLE 5
DELINEATED STREAMS WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT SURVEY CORRIDOR**

Report Name	Latitude	Longitude	Associated with Pipeline Alignment, Access Road, or Laydown Yard	Waterbody	Flow Regime	Form Used ^a	Score ^b	Class or Narrative Description	Bankfull Width (feet)	Maximum Pool Depth (inches)	Crossed by Centerline	Linear Feet within Survey Corridor
Stream 139	40.547796	-81.314707	Access Road	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	11	Modified Class 1	2.0	0	No	32
Stream 140	40.552721	-81.314798	Pipeline Alignment	Unnamed tributary to Conotton Creek	Perennial	QHEI	59.5	Good Warmwater	10.0	36	Yes	828
Stream 141	40.560786	-81.315851	Pipeline Alignment	Beggar Run	Perennial	QHEI	38.5	Poor Warmwater	7.0	12	Yes	438
Stream 142	40.561621	-81.315345	Pipeline Alignment	Unnamed tributary to Beggar Run	Ephemeral	HHEI	25	Modified Class 1	1.0	3	No	696
Stream 143	40.566033	-81.314805	Pipeline Alignment	Unnamed tributary to Beggar Run	Intermittent	QHEI	39	Poor Warmwater	3.0	48	Yes	587
Stream 144	40.594484	-81.328673	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	25	Modified Class 1	2.5	2	No	47
Stream 145	40.596078	-81.330915	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	21	Class 1	1.5	0	No	240
Stream 146	40.602109	-81.335791	Pipeline Alignment	Unnamed tributary to Huff Run	Ephemeral	HHEI	23	Class 1	2.5	2	No	44
Stream 147	40.605462	-81.337392	Pipeline Alignment	Huff Run	Perennial	QHEI	53.5	Fair Warmwater	15.0	78	Yes	343
Stream 148	40.615660	-81.339305	Pipeline Alignment	Unnamed tributary to Sandy Creek	Ephemeral	HHEI	30	Modified Class 2	3.0	3	Yes	360
Stream 149	40.623247	-81.339060	Pipeline Alignment	Sandy Creek	Perennial	QHEI	55	Fair Warmwater	60.0	unk	Yes	450
Stream 150	40.630015	-81.335968	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Sandy Creek	Ephemeral	HHEI	40	Class 2	2.0	3	Yes	360
Stream 151	40.629296	-81.330833	Access Road	Unnamed tributary to unnamed tributary to Sandy Creek	Ephemeral	HHEI	33	Modified Class 2	2.0	2	No	73
Stream 152	40.629370	-81.330800	Access Road	Unnamed tributary to Sandy Creek	Intermittent	HHEI	47	Class 2	4.0	8	No	38

**TABLE 5
DELINEATED STREAMS WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT SURVEY CORRIDOR**

Report Name	Latitude	Longitude	Associated with Pipeline Alignment, Access Road, or Laydown Yard	Waterbody	Flow Regime	Form Used ^a	Score ^b	Class or Narrative Description	Bankfull Width (feet)	Maximum Pool Depth (inches)	Crossed by Centerline	Linear Feet within Survey Corridor
Stream 153	40.633535	-81.335912	Pipeline Alignment/Access Road	Unnamed tributary to unnamed tributary to unnamed tributary to Sandy Creek	Intermittent	HHEI	43	Class 2	3.0	12	Yes	487
Stream 154	40.633644	-81.335284	Pipeline Alignment	Unnamed tributary to unnamed tributary to Sandy Creek	Intermittent	HHEI	36	Class 2	2.0	2	No	60
Stream 155	40.637162	-81.336081	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Sandy Creek	Ephemeral	HHEI	49	Modified Class 2	2.5	10	Yes	426
Stream 156	40.640358	-81.336155	Pipeline Alignment	Unnamed tributary to unnamed tributary to Sandy Creek	Intermittent	HHEI	44	Class 2	3.5	16	Yes	481
Stream 157	40.641214	-81.337007	Pipeline Alignment/Access Road	Unnamed tributary to unnamed tributary to unnamed tributary to Sandy Creek	Ephemeral	HHEI	28	Modified Class 1	2.0	2	No	156
Stream 158	40.641646	-81.336088	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Sandy Creek	Intermittent	HHEI	27	Modified Class 1	3.0	3	No	211
Stream 159	40.642130	-81.336146	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to unnamed tributary to unnamed	Intermittent	HHEI	36	Modified Class 2	4.0	3	No	67
Stream 160	40.644812	-81.336866	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Sandy Creek	Intermittent	HHEI	34	Class 2	2.0	3	Yes	1221
Stream 161	40.644389	-81.339603	Access Road	Unnamed tributary to unnamed tributary to unnamed tributary to unnamed	Ephemeral	HHEI	18	Modified Class 1	1.5	1	No	19
Stream 164	40.659794	-81.327154	Pipeline Alignment	Unnamed tributary to Sandy Creek	Intermittent	HHEI	35	Modified Class 2	2.0	3	Yes	1477
Stream 165	40.663772	-81.330487	Pipeline Alignment	Unnamed tributary to Sandy Creek	Ephemeral	HHEI	30	Modified Class 2	3.0	2	Yes	271
Stream 166	40.672755	-81.338213	Pipeline Alignment	Unnamed tributary to Nimishillen Creek	Ephemeral	HHEI	28	Modified Class 1	3.0	3	Yes	424
Stream 167	40.675193	-81.346161	Pipeline Alignment	Nimishillen Creek	Perennial	QHEI	42.5	Poor Warmwater	50.0	unk	Yes	332
Stream 168	40.675729	-81.352459	Pipeline Alignment	Unnamed tributary to Nimishillen Creek	Intermittent	HHEI	50	Modified Class 2	2.0	4	No	111

**TABLE 5
DELINEATED STREAMS WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT SURVEY CORRIDOR**

Report Name	Latitude	Longitude	Associated with Pipeline Alignment, Access Road, or Laydown Yard	Waterbody	Flow Regime	Form Used ^a	Score ^b	Class or Narrative Description	Bankfull Width (feet)	Maximum Pool Depth (inches)	Crossed by Centerline	Linear Feet within Survey Corridor
Stream 169	40.687162	-81.352024	Pipeline Alignment	Unnamed tributary to Nimishillen Creek	Perennial	QHEI	45.5	Fair Warmwater	6.0	16	Yes	1858
Stream 170	40.685879	-81.351091	Pipeline Alignment	Unnamed tributary to unnamed tributary to Nimishillen Creek	Ephemeral	HHEI	16	Class 1	1.0	1	No	101
Stream 171	40.691617	-81.352745	Pipeline Alignment	Unnamed tributary to unnamed tributary to Nimishillen Creek	Ephemeral	HHEI	17	Modified Class 1	1.5	1	Yes	197
Stream 172	40.695157	-81.353820	Pipeline Alignment	Unnamed tributary to unnamed tributary to Nimishillen Creek	Ephemeral	HHEI	16	Modified Class 1	1.0	0.5	Yes	185
Stream 173	40.703216	-81.358099	Pipeline Alignment	Unnamed tributary to unnamed tributary to Nimishillen Creek	Ephemeral	HHEI	25	Class 1	1.0	3	Yes	249
Stream 174	40.705371	-81.360827	Pipeline Alignment/Access Road	Unnamed tributary to unnamed tributary to Nimishillen Creek	Ephemeral	HHEI	16	Modified Class 1	1.0	1.5	Yes	944
Stream 175	40.708033	-81.363240	Pipeline Alignment	Unnamed tributary to unnamed tributary to Nimishillen Creek	Ephemeral	HHEI	17	Modified Class 1	1.0	1	Yes	368
Stream 176	40.719027	-81.368485	Pipeline Alignment	Unnamed tributary to unnamed tributary to Nimishillen Creek	Intermittent	HHEI	17	Class 1	1.5	2	No	95
Stream 177	40.722446	-81.371754	Pipeline Alignment	Unnamed tributary to unnamed tributary to Nimishillen Creek	Ephemeral	HHEI	28	Modified Class 1	2.0	1	No	119
Stream 178	40.724545	-81.375008	Pipeline Alignment	Unnamed tributary to unnamed tributary to Nimishillen Creek	Ephemeral	HHEI	12	Modified Class 1	1.5	0	No	58
Stream 179	40.724591	-81.374702	Pipeline Alignment	Unnamed tributary to unnamed tributary to Nimishillen Creek	Ephemeral	HHEI	38	Modified Class 2	3.0	4	Yes	362
Stream 180	40.725593	-81.375963	Pipeline Alignment	Unnamed tributary to unnamed tributary to Nimishillen Creek	Intermittent	HHEI	36	Modified Class 2	1.5	2	Yes	346
Stream 181	40.725738	-81.376473	Pipeline Alignment	Unnamed tributary to unnamed tributary to Nimishillen Creek	Ephemeral	HHEI	24	Modified Class 1	2.0	2	Yes	376
Stream 182	40.726443	-81.377137	Pipeline Alignment	Unnamed tributary to unnamed tributary to Nimishillen Creek	Ephemeral	HHEI	28	Modified Class 1	2.0	3	No	434

**TABLE 5
DELINEATED STREAMS WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT SURVEY CORRIDOR**

Report Name	Latitude	Longitude	Associated with Pipeline Alignment, Access Road, or Laydown Yard	Waterbody	Flow Regime	Form Used ^a	Score ^b	Class or Narrative Description	Bankfull Width (feet)	Maximum Pool Depth (inches)	Crossed by Centerline	Linear Feet within Survey Corridor
Stream 183	40.727644	-81.386779	Pipeline Alignment	Bear Run	Intermittent	HHEI	40	Modified Class 2	2.5	3	Yes	375
Stream 184	40.727742	-81.387383	Pipeline Alignment	Unnamed tributary to Bear Run	Intermittent	HHEI	44	Modified Class 2	2.0	4	No	385
Stream 186	40.736765	-81.397728	Pipeline Alignment	Domer Ditch	Intermittent	HHEI	47	Modified Class 2	2.5	5	No	776
Stream 187	40.736448	-81.397859	Pipeline Alignment	Unnamed tributary to Domer Ditch	Intermittent	HHEI	29	Modified Class 1	1.5	2	Yes	243
Stream 188	40.740840	-81.403277	Pipeline Alignment	Domer Ditch	Intermittent	HHEI	42	Modified Class 2	2.5	8	Yes	827
Stream 189	40.746103	-81.405242	Pipeline Alignment	Domer Ditch	Intermittent	HHEI	47	Modified Class 2	2.5	4	Yes	1140
Stream 191	40.749921	-81.410229	Pipeline Alignment	Unnamed tributary to Domer Ditch	Perennial	QHEI	36	Poor Warmwater	8.0	14	Yes	548
Stream 192	40.750089	-81.410471	Pipeline Alignment	Unnamed tributary to unnamed tributary to Domer Ditch	Intermittent	HHEI	15	Modified Class 1	2.0	2	Yes	165
Stream 193	40.755472	-81.409676	Pipeline Alignment	Unnamed tributary to Domer Ditch	Intermittent	HHEI	16	Modified Class 1	3.0	2	Yes	305
Stream 194	40.758949	-81.408903	Pipeline Alignment	Domer Ditch	Perennial	QHEI	40.5	Poor Warmwater	10.0	36	Yes	729
Stream 195	40.761951	-81.408854	Pipeline Alignment/Access Road	Unnamed tributary to Domer Ditch	Intermittent	HHEI	12	Modified Class 1	3.0	0	Yes	423
Stream 196	40.763240	-81.408773	Pipeline Alignment	Domer Ditch	Perennial	QHEI	55.5	Good Warmwater	10.0	36	Yes	307
Stream 197	40.769106	-81.409433	Pipeline Alignment	Hurford Run	Perennial	QHEI	50	Fair Warmwater	15.0	9	Yes	312
Stream 198	40.348697	-81.054974	Pipeline Alignment	Unnamed tributary to unnamed tributary to Clear Fork	Ephemeral	HHEI	22	Class 1	3.0	0	No	336

**TABLE 5
DELINEATED STREAMS WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT SURVEY CORRIDOR**

Report Name	Latitude	Longitude	Associated with Pipeline Alignment, Access Road, or Laydown Yard	Waterbody	Flow Regime	Form Used ^a	Score ^b	Class or Narrative Description	Bankfull Width (feet)	Maximum Pool Depth (inches)	Crossed by Centerline	Linear Feet within Survey Corridor
Stream 199	40.426593	-81.215489	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	30	Class 2	4.0	0	Yes	434
Stream 200	40.437263	-81.223131	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Intermittent	HHEI	57	Class 3	5.0	1	Yes	445
Stream 201	40.459595	-81.231697	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	15	Class 1	3.0	0	No	102
Stream 202	40.496466	-81.268501	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Intermittent	HHEI	73	Class 3	5.0	4	No	303
Stream 203	40.619433	-81.341434	Access Road	Unnamed tributary to Sandy Creek	Ephemeral	HHEI	30	Modified Class 2	1.5	3	No	76
Stream 204	40.647714	-81.334084	Pipeline Alignment	Unnamed tributary to unnamed tributary to Sandy Creek	Intermittent	HHEI	51	Modified Class 2	4.0	6	Yes	383
Stream 205	40.651768	-81.328785	Pipeline Alignment	Unnamed tributary to unnamed tributary to Sandy Creek	Intermittent	HHEI	47	Class 2	3.0	4	No	109
Stream 206	40.652392	-81.328161	Pipeline Alignment	Unnamed tributary to unnamed tributary to Sandy Creek	Ephemeral	HHEI	19	Class 1	2.0	0	No	434
Stream 207	40.655865	-81.327760	Pipeline Alignment	Unnamed tributary to unnamed tributary to Sandy Creek	Intermittent	HHEI	26	Modified Class 1	1.0	4	No	89
Stream 208	40.694061	-81.353745	Pipeline Alignment	Unnamed tributary to unnamed tributary to Nimishillen Creek	Ephemeral	HHEI	11	Modified Class 1	2.5	0	No	98
Stream 209	40.452860	-81.223174	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	22	Modified Class 1	1.0	0	Yes	331
Stream 211	40.582932	-81.320820	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Intermittent	HHEI	36	Modified Class 2	2.0	3	No	71
Stream 212	40.296295	-81.033130	Pipeline Alignment	Unnamed tributary to Standingstone Fork	Intermittent	HHEI	47	Modified Class 2	2.5	8	Yes	633
Stream 213	40.400393	-81.106175	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Intermittent	HHEI	34	Modified Class 2	1.5	2	No	75

**TABLE 5
DELINEATED STREAMS WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT SURVEY CORRIDOR**

Report Name	Latitude	Longitude	Associated with Pipeline Alignment, Access Road, or Laydown Yard	Waterbody	Flow Regime	Form Used ^a	Score ^b	Class or Narrative Description	Bankfull Width (feet)	Maximum Pool Depth (inches)	Crossed by Centerline	Linear Feet within Survey Corridor
Stream 214	40.292540	-81.006659	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Clear Fork	Ephemeral	HHEI	35	Modified Class 2	2.0	3	No	73
Stream 215	40.284710	-81.017858	Access Road	Standingstone Fork	Intermittent	HHEI	47	Modified Class 2	2.5	5	No	100
Stream 219	40.743860	-81.407682	Pipeline Alignment	Unnamed tributary to Domer Ditch	Intermittent	HHEI	27	Modified Class 1	2.0	3.5	No	194
Stream 220	40.745760	-81.407725	Pipeline Alignment	Unnamed tributary to Domer Ditch	Intermittent	HHEI	37	Modified Class 2	2.5	6	Yes	1612
Stream 002	40.292728	-81.001883	Pipeline Alignment	Unnamed tributary to unnamed tributary to Clear Fork	Ephemeral	HHEI	43	Class 2	2.5	3	No	85
Stream 003	40.295494	-81.024615	Pipeline Alignment	Unnamed tributary to Standingstone Fork	Intermittent	HHEI	50	Modified Class 2	2.5	6	Yes	391
Stream 004	40.295925	-81.030011	Pipeline Alignment/Access Road	Unnamed tributary to Standingstone Fork	Intermittent	HHEI	59	Modified Class 2	3.5	0	Yes	587
Stream 005	40.302954	-81.045273	Access Road	Unnamed tributary to Standingstone Fork	Perennial	HHEI	49	Modified Class 2	6.0	24	No	842
Stream 006	40.328870	-81.047472	Pipeline Alignment	Unnamed tributary to Clear Fork	Intermittent	HHEI	35	Modified Class 2	3.0	2	Yes	548
Stream 007	40.329686	-81.048077	Pipeline Alignment	Clear Fork	Perennial	QHEI	46	Fair Warmwater	14.0	28	Yes	375
Stream 008	40.329948	-81.047837	Pipeline Alignment	Unnamed tributary to Clear Fork	Intermittent	HHEI	35	Modified Class 2	2.0	2	No	130
Stream 009	40.341620	-81.051134	Pipeline Alignment	Unnamed tributary to unnamed tributary to Clear Fork	Intermittent	HHEI	40	Modified Class 2	1.5	2	Yes	259
Stream 010	40.341633	-81.051481	Pipeline Alignment	Unnamed tributary to unnamed tributary to Clear Fork	Ephemeral	HHEI	39	Class 2	2.5	2	No	15
Stream 011	40.344067	-81.051066	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Clear Fork	Ephemeral	HHEI	27	Class 1	2.5	1.5	No	126

**TABLE 5
DELINEATED STREAMS WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT SURVEY CORRIDOR**

Report Name	Latitude	Longitude	Associated with Pipeline Alignment, Access Road, or Laydown Yard	Waterbody	Flow Regime	Form Used ^a	Score ^b	Class or Narrative Description	Bankfull Width (feet)	Maximum Pool Depth (inches)	Crossed by Centerline	Linear Feet within Survey Corridor
Stream 012	40.344148	-81.051115	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Clear Fork	Ephemeral	HHEI	21	Class 1	1.5	0	No	56
Stream 013	40.346285	-81.050941	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Clear Fork	Ephemeral	HHEI	21	Class 1	1.5	0	No	42
Stream 014	40.347737	-81.050174	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	37	Class 2	3.0	1	Yes	443
Stream 015	40.347832	-81.050963	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	56	Class 3	5.0	3	Yes	634
Stream 016	40.348041	-81.056197	Pipeline Alignment	Unnamed tributary to Clear Fork	Perennial	HHEI	78	Class 3	8.0	9	Yes	555
Stream 017	40.347794	-81.061696	Pipeline Alignment	Unnamed tributary to Clear Fork	Perennial	HHEI	66	Class 3	8.0	12	Yes	301
Stream 018	40.347776	-81.063773	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Clear Fork	Intermittent	HHEI	42	Class 2	3.5	2	Yes	222
Stream 019	40.348249	-81.068863	Pipeline Alignment	Unnamed tributary to unnamed tributary to Clear Fork	Ephemeral	HHEI	14	Class 1	1.5	0	No	240
Stream 020	40.348063	-81.072491	Pipeline Alignment	Unnamed tributary to Clear Fork	Perennial	HHEI	31	Class 2	3.0	12	Yes	260
Stream 021	40.348332	-81.076008	Pipeline Alignment	Unnamed tributary to unnamed tributary to Clear Fork	Intermittent	HHEI	65	Modified Class 2	3.5	4	Yes	491
Stream 022	40.354824	-81.083670	Pipeline Alignment/Access Road	Unnamed tributary to Clear Fork	Perennial	HHEI	62	Modified Class 2	4.5	10	Yes	613
Stream 023	40.363383	-81.091433	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Clear Fork	Ephemeral	HHEI	31	Class 2	2.0	1	Yes	392
Stream 024	40.363591	-81.091422	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to unnamed tributary to Clear Fork	Ephemeral	HHEI	24	Class 1	2.0	1	Yes	152
Stream 025	40.363798	-81.091612	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Clear Fork	Ephemeral	HHEI	23	Class 1	2.0	1	Yes	268

**TABLE 5
DELINEATED STREAMS WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT SURVEY CORRIDOR**

Report Name	Latitude	Longitude	Associated with Pipeline Alignment, Access Road, or Laydown Yard	Waterbody	Flow Regime	Form Used ^a	Score ^b	Class or Narrative Description	Bankfull Width (feet)	Maximum Pool Depth (inches)	Crossed by Centerline	Linear Feet within Survey Corridor
Stream 026	40.363694	-81.092568	Pipeline Alignment	Unnamed tributary to unnamed tributary to Clear Fork	Intermittent	HHEI	48	Class 2	3.5	3	Yes	395
Stream 027	40.371233	-81.101302	Pipeline Alignment	Unnamed tributary to Beaverdam Run	Ephemeral	HHEI	51	Class 2	2.6	4	No	1111
Stream 028	40.370351	-81.100607	Pipeline Alignment	Unnamed tributary to unnamed tributary to Beaverdam Run	Ephemeral	HHEI	45	Class 2	2.5	4.5	Yes	247
Stream 029	40.371844	-81.101374	Pipeline Alignment	Unnamed tributary to unnamed tributary to Beaverdam Run	Ephemeral	HHEI	25	Class 1	1.2	1	No	144
Stream 030	40.382127	-81.099899	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	20	Class 1	1.2	1	Yes	116
Stream 031	40.383530	-81.099736	Pipeline Alignment	Unnamed tributary to Conotton Creek	Intermittent	HHEI	65	Class 2	6.6	6.5	Yes	413
Stream 032	40.399209	-81.109343	Pipeline Alignment	Unnamed tributary to Conotton Creek	Ephemeral	HHEI	47	Class 2	4.0	3	Yes	888
Stream 033	40.391449	-81.108516	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	12	Class 1	2.0	0	No	6
Stream 034	40.391575	-81.108981	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	21	Modified Class 1	1.5	1	Yes	140
Stream 035	40.392856	-81.109214	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	23	Class 1	1.5	2	Yes	244
Stream 037	40.394850	-81.109074	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	21	Class 1	1.5	1.5	No	309
Stream 041	40.401143	-81.111422	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	26	Class 1	1.5	1.5	Yes	458
Stream 042	40.400881	-81.111624	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	26	Class 1	1.5	1.5	No	156
Stream 043	40.401118	-81.114537	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Intermittent	HHEI	56	Modified Class 2	3.5	4	Yes	823

**TABLE 5
DELINEATED STREAMS WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT SURVEY CORRIDOR**

Report Name	Latitude	Longitude	Associated with Pipeline Alignment, Access Road, or Laydown Yard	Waterbody	Flow Regime	Form Used ^a	Score ^b	Class or Narrative Description	Bankfull Width (feet)	Maximum Pool Depth (inches)	Crossed by Centerline	Linear Feet within Survey Corridor
Stream 044	40.400942	-81.114833	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	14	Class 1	1.0	0	No	49
Stream 045	40.401157	-81.114995	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	17	Class 1	1.5	1	No	102
Stream 046	40.402074	-81.122359	Pipeline Alignment	Unnamed tributary to Conotton Creek	Ephemeral	HHEI	37	Modified Class 2	2.0	2	Yes	351
Stream 047	40.402438	-81.125957	Pipeline Alignment	Unnamed tributary to Conotton Creek	Ephemeral	HHEI	19	Modified Class 1	1.5	0	No	92
Stream 048	40.402487	-81.140789	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	20	Class 1	1.5	1	No	433
Stream 049	40.402630	-81.140559	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	14	Class 1	1.0	0	No	46
Stream 050	40.402909	-81.142607	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Conotton Creek	Intermittent	HHEI	29	Class 1	2.5	1	No	149
Stream 051	40.402639	-81.142659	Pipeline Alignment	Unnamed tributary to Conotton Creek	Perennial	QHEI	52.5	Fair Warmwater	8.0	20	Yes	360
Stream 052	40.402391	-81.144432	Pipeline Alignment	Unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	24	Class 1	1.0	0.5	No	35
Stream 053	40.402430	-81.147304	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	27	Class 1	1.5	0.5	No	29
Stream 054	40.402156	-81.149543	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	28	Class 1	2.5	1	Yes	277
Stream 055	40.402022	-81.149596	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	28	Class 1	1.0	0.5	No	103
Stream 056	40.402306	-81.150560	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to Conotton Creek	Ephemeral	HHEI	27	Class 1	1.5	1	Yes	194
Stream 057	40.401276	-81.153885	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to unnamed tributary to unnamed	Ephemeral	HHEI	28	Class 1	1.5	1	Yes	292

**TABLE 5
DELINEATED STREAMS WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT SURVEY CORRIDOR**

Report Name	Latitude	Longitude	Associated with Pipeline Alignment, Access Road, or Laydown Yard	Waterbody	Flow Regime	Form Used ^a	Score ^b	Class or Narrative Description	Bankfull Width (feet)	Maximum Pool Depth (inches)	Crossed by Centerline	Linear Feet within Survey Corridor
Stream 058	40.401483	-81.154695	Pipeline Alignment	Unnamed tributary to unnamed tributary to unnamed tributary to unnamed tributary to unnamed	Ephemeral	HHEI	18	Modified Class 1	1.0	1	No	56
Total: 200												71,609

Form Used^a : QHEI = Qualitative Habitat Evaluation Index, HHEI = Headwater Habitat Evaluation Index, NA = Not Assessed (default to the State of Ohio's assessment)

Score^b : NA = Not Assessed (default to the State of Ohio's assessment)

* = Narrative description is based on Ohio Environmental Protection Agency's ranking. See Ohio Administrative Code 3745-1-09.

**TABLE 6
DELINEATED PONDS WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT
SURVEY CORRIDOR**

Report Name	Latitude	Longitude	Associated with Pipeline Alignment, Access Road, or Laydown Yard	Acres within Survey Corridor	Linear Feet Crossed by Centerline ^a
Pond 01	40.295327	-81.011216	Access Road	0.05	NC
Pond 03	40.296246	-81.027445	Pipeline Alignment	0.78	NC
Pond 04	40.304069	-81.043321	Access Road	0.29	NC
Pond 05	40.304099	-81.043758	Access Road	0.23	NC
Pond 06	40.304977	-81.042156	Access Road	0.28	NC
Pond 08	40.322475	-81.042127	Pipeline Alignment	0.65	NC
Pond 09	40.403566	-81.179527	Pipeline Alignment	0.48	NC
Pond 10	40.405421	-81.189062	Pipeline Alignment	0.05	NC
Pond 11	40.472729	-81.247859	Pipeline Alignment	0.37	NC
Pond 12	40.507784	-81.273003	Pipeline Alignment	0.08	NC
Pond 13	40.569522	-81.315163	Pipeline Alignment	0.21	NC
Pond 14	40.583190	-81.321791	Pipeline Alignment	0.14	NC
Pond 15	40.588053	-81.327188	Access Road	0.03	NC
Pond 16	40.591140	-81.326168	Pipeline Alignment	1.15	NC
Pond 17	40.592339	-81.327965	Pipeline Alignment	0.50	NC
Pond 18	40.594017	-81.328327	Pipeline Alignment	0.33	NC
Pond 19	40.594928	-81.330554	Pipeline Alignment	0.00	NC
Pond 20	40.596139	-81.331284	Pipeline Alignment	0.08	NC
Pond 21	40.599630	-81.333886	Pipeline Alignment	0.29	NC
Pond 22	40.641924	-81.336337	Pipeline Alignment	0.05	NC
Pond 23	40.643119	-81.336192	Pipeline Alignment	0.02	NC
Pond 24	40.645091	-81.336701	Pipeline Alignment	0.45	88
Pond 25	40.646410	-81.336830	Pipeline Alignment	0.22	NC
Pond 26	40.655983	-81.330552	Access Road	0.05	NC
Pond 27	40.657796	-81.329924	Access Road	0.07	NC
Pond 28	40.657427	-81.327935	Pipeline Alignment	0.20	NC
Pond 29	40.713814	-81.362990	Pipeline Alignment	0.89	NC
Pond 30	40.714288	-81.364491	Pipeline Alignment	0.07	NC
Pond 31	40.715165	-81.364225	Pipeline Alignment	0.60	NC
Pond 34	40.723691	-81.373683	Pipeline Alignment	0.02	NC
Pond 35	40.723896	-81.373082	Pipeline Alignment	0.14	NC
Pond 37	40.402935	-81.179674	Pipeline Alignment	0.04	NC
Pond 38	40.619803	-81.341284	Pipeline Alignment/Access Road	0.30	NC
Pond 39	40.655414	-81.327559	Pipeline Alignment	0.02	NC

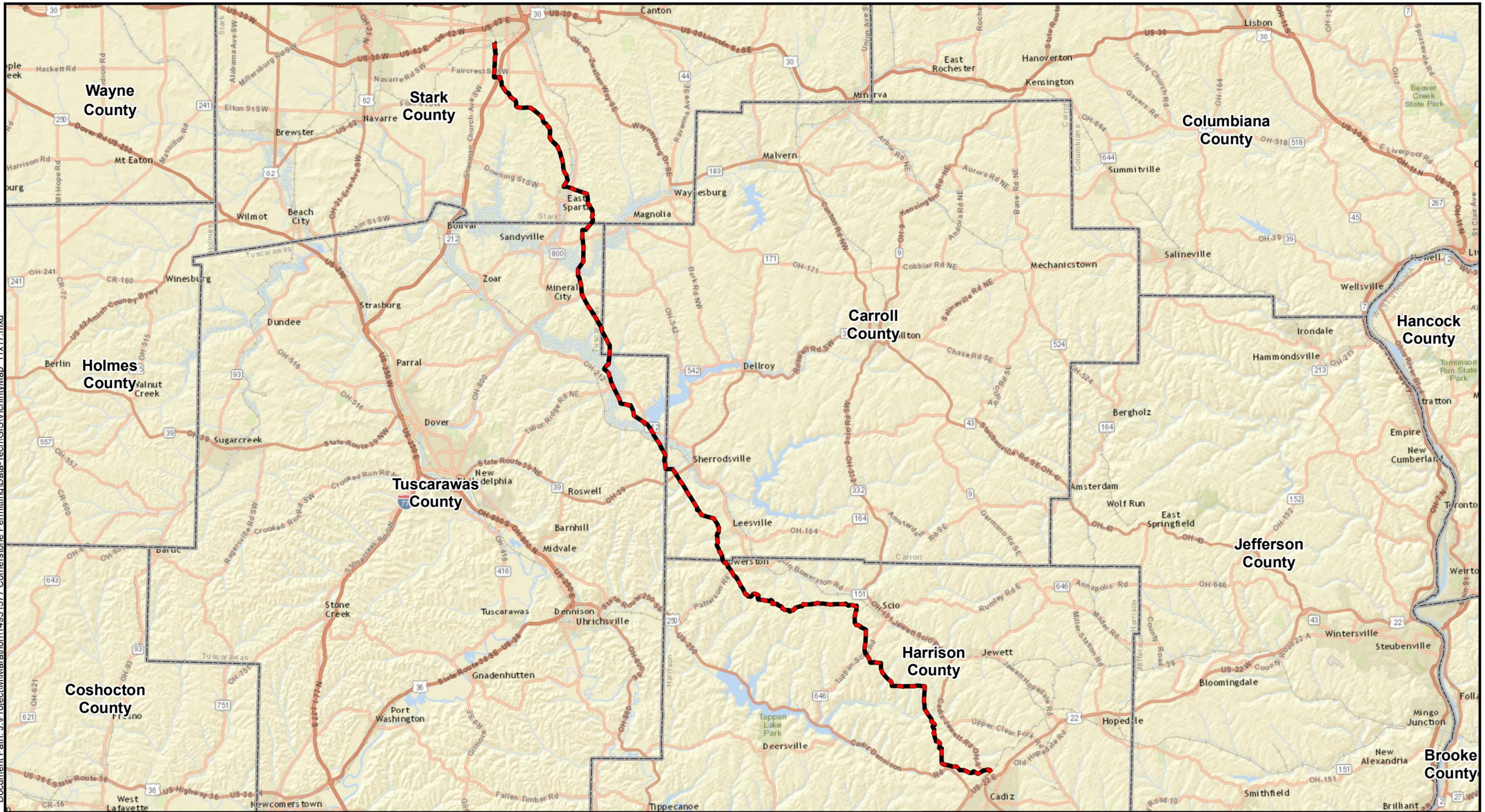
Table 6

**TABLE 6
 DELINEATED PONDS WITHIN THE CORNERSTONE CONDENSATE PIPELINE PROJECT
 SURVEY CORRIDOR**

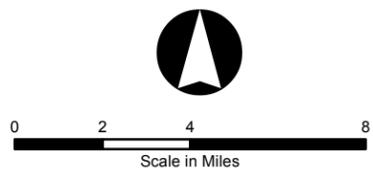
Report Name	Latitude	Longitude	Associated with Pipeline Alignment, Access Road, or Laydown Yard	Acres within Survey Corridor	Linear Feet Crossed by Centerline^a
Pond 40	40.291830	-81.017858	Pipeline Alignment	0.03	NC
Pond 41	40.290685	-81.002072	Pipeline Alignment	0.14	NC
Total: 36				9.34	88

Linear Feet Crossed by Centerline^a : NC = Not Crossed by proposed centerline

Document Path: J:\Project\MMarathon\14951377\Comerstone Permitting Data-Tech\GIS\VicinityMap_11x17.mxd
Date Saved: 4/27/2015



LEGEND:
Project Alignment
County Boundary



BASE MAP SOURCE: project specific aerial imagery (spring 2014)
https://mapservices.gje.com/arcgis/services/MAR1647/MAR1647R_Imagery/ImageServer



Marathon Pipe Line LLC Comerstone Condensate Pipeline

FIGURE 1
VICINITY MAP

DATE: 4/27/2015	
CREATED BY: AGB	CHECKED BY: MDT
JOB NO. 14951377	URS