



ROVER PIPELINE

An ENERGY TRANSFER Company

ROVER PIPELINE LLC

Rover Pipeline Project

***Waters of the United States
Delineation Report***

***Michigan Department of Environmental Quality
Jackson and Lansing Districts***

***United States Army Corps of Engineers
Detroit District***

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TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1.0 INTRODUCTION	1-1
1.1 METHODS	1-1
1.2 RESULTS	1-2
1.2.1 Wetlands	1-2
1.2.1.1 Wetland Vegetation Community Types.....	1-2
1.2.1.1.1 PEM Wetlands	1-3
1.2.1.1.2 PSS Wetlands.....	1-3
1.2.1.1.3 PFO Wetlands	1-4
1.2.1.2 Hydric Soils.....	1-4
1.2.2 Streams, Drainages, and Waterbodies	1-12
1.3 REFERENCES	1-13

LIST OF APPENDICES

Appendix A

Table 1	Wetlands in Michigan
Table 2	Surface Waters in Michigan
Table 3	Ponds in Michigan
Table 4	Drainages in Michigan

Appendix B – USACE Routine Wetland Determination Data Sheets (DVD)

Appendix C – Wetland and Waters Delineation Maps (DVD)

Appendix D – Photos (DVD)



LIST OF ACRONYMS

cm	centimeter
CWA	Clean Water Act
GPS	Global Positioning System
MIDEQ	Michigan Department of Environmental Quality
NRCS	Natural Resources Conservation Service
NWI	National Wetlands Inventory
OHWM	Ordinary High Water Mark
PAB	Palustrine Aquatic Bed
PEM	Palustrine Emergent
PFO	Palustrine Forested
Project	Rover Pipeline Project
PSS	Palustrine Scrub-Shrub
PUB	Palustrine Unconsolidated Bottom
Rover	Rover Pipeline LLC
U.S.	United States
USACE	United States Army Corps of Engineers
USDA	United States Department of Agriculture
USGS	United States Geological Survey

1.0 Introduction

Rover Pipeline LLC (Rover) will be seeking to construct, own, and operate the proposed Rover Pipeline Project (Project). The Rover Pipeline Project, as currently proposed, is a new natural gas pipeline system that will consist of approximately 711 miles of Supply Laterals and Mainlines, 10 compressor stations, and associated meter stations and other aboveground facilities that will be located in parts of West Virginia, Pennsylvania, Ohio, and Michigan. The Project will extend from the vicinity of New Milton, Doddridge County, West Virginia to Livingston County, Michigan.

TRC delineated Waters of the U.S. pursuant to Section 10 of the Rivers and Harbors Act and Section 404 of the Clean Water Act (CWA) within the proposed Project area (see Section 1.1 for methodology) from June to October 2014. The Project occurs within the United States Army Corps of Engineers (USACE) Pittsburgh, Buffalo, Huntington, and Detroit Districts, as well as the Michigan Department of Environmental Quality (MIDEQ) Jackson and Lansing Districts; however, this report describes only those Waters of the U.S. delineated within the USACE Detroit District, and the MIDEQ Jackson and Lansing, Districts. The Project as currently proposed will consist of the following components and facilities within these districts in Michigan:

- The Market Segment; and
- Various new valves, and receipt and delivery meter stations.

1.1 Methods

Wetland scientists conducted field surveys from June to October 2014 within the proposed Project area, to determine the presence of federal and state jurisdictional wetlands and waters. The study area generally consisted of a 400-foot-wide corridor along the proposed pipeline route, 100 percent of the permanent footprint and temporary workspaces for aboveground facilities, and a 50-foot wide corridor along proposed access roads.

Prior to the field surveys, available mapping and information were reviewed to identify potential wetland and water features within the Project area, including but not limited to United States Geologic Survey (USGS) 7.5-minute topographic maps, aerial photographs, National Wetlands Inventory (NWI) mapping, and United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) soil mapping. Wetlands were delineated in accordance with the 1987 USACE Wetland Delineation Manual (USACE, 1987), and the Midwest, and Northcentral and Northeast Regional Supplements to the Corps Wetland Delineation Manual (USACE, 2010 and 2012, respectively).

For regulatory purposes under the Federal Clean Water Act, the term wetlands means "those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs and similar areas" (40 CFR 230.3(t)).

Regulatory agencies in Michigan also generally use this definition of wetlands, which requires the presence of wetland hydrology, a dominance of hydrophytic vegetation, and the presence of hydric soils.

When a wetland area was identified, the boundary was geo-located using a handheld Trimble Geo-XH or Pro-XH Global Positioning System (GPS) with at least sub-meter accuracy. Wetlands were classified per Cowardin et al. (1979), as summarized in the tables in Appendix A. Data plot locations were established in representative wetland and upland areas, and USACE Routine Wetland Determination data forms were completed to document hydrology, vegetation, and soil characteristics at each wetland and upland data plot location (see Appendix B on the attached DVD).

Streams, waterbodies (ponds and lakes), and drainages within the proposed Project area were identified by the presence of an ordinary high water mark (OHWM) (see the tables in Appendix A). The term OHWM means 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 (33 CFR 328.3(e)). The OHWM was also geo-located using GPS. For streams and drainages less than 10 feet wide, the centerline was geo-located using GPS and the OHWM width was recorded. Characteristics of delineated waters, such as flow type (e.g., perennial, intermittent, ephemeral), substrate type, and channel width and depth were recorded.

This report documents the wetlands and waters potentially under federal and/or state jurisdiction that were identified in the survey area; however, not all of these waters will necessarily be impacted by the Project. Summary tables of wetlands and waters that were identified are provided in Appendix A. Wetland and waters delineation maps are included as Appendix C on the attached DVD, and photos of delineated resources are included as Appendix D on the attached DVD.

1.2 Results

The tables in Appendix A summarize characteristics of wetlands, streams, waterbodies, and drainages that were identified and delineated in the Project area within the USACE Detroit District, and MIDEQ Jackson and Lansing Districts. The following sections describe the types of wetlands and waters delineated during field surveys.

1.2.1 Wetlands

1.2.1.1 Wetland Vegetation Community Types

The U.S. Fish and Wildlife Service wetland classification system described by Cowardin et al. (1979) was used to classify the wetlands that will be affected by the Project. The wetlands in the Project area were delineated as Palustrine Forested (PFO), Palustrine Scrub-Shrub (PSS), Palustrine Emergent (PEM), Palustrine Open Water, or a combination of these four cover types. Palustrine systems include all non-tidal wetlands that are dominated by trees, shrubs, persistent emergent, and emergent mosses or lichens, and all wetlands that occur in tidal areas where salinity due to ocean-derived salts is below 0.5 parts per thousand.

The palustrine system was developed to group vegetated wetlands, commonly referred to as marshes, swamps, bogs, and prairies. This system includes ponds and may be situated shoreward of lakes, river channels, estuaries, and river floodplains or in isolated catchments or on slopes. All of the wetland areas identified along the Project route are classified as palustrine systems.

1.2.1.1.1 PEM Wetlands

The palustrine emergent wetland cover type is characterized by erect, rooted, herbaceous hydrophytes, excluding mosses and lichens (Cowardin et al. 1979). Emergent wetlands are known by many names, including marsh, meadow, fen, prairie pothole, and slough. PEM wetlands along the Project route are generally classified as marshes and wet meadows, which typically occur along lakes, ponds, shallow slow flowing rivers, and in isolated depressions. Marshes typically occur on mineral soils that are seasonally flooded or permanently or seasonally saturated, while wet meadows typically occur on seasonally saturated mineral or organic soils that may be associated with high water tables and/or surface water inputs. The hydrology of PEM wetlands ranges from saturated only to inundated with several feet of water. Shallow PEM wetlands are seasonal in that shallow inundation during the first part of the growing season may draw down to saturated soils by late in the growing season. Deep PEM wetlands are typically semi-permanent, drying out only during drought years. Vegetation typically consists of a variety of submergent, emergent and other rooted herbaceous species, including cattails, sedges, rushes, and grasses.

Dominant species and vegetative diversity varied within the delineated wetlands, depending on position in the landscape, duration and type of hydrology, and anthropogenic disturbances. Common dominant herbaceous species identified in delineated wetlands include reed canarygrass (*Phalaris arundinacea*), lamp rush (*Juncus effusus*), rice cutgrass (*Leersia oryzoides*), cattail species (*Typha* sp.), sensitive fern (*Onoclea sensibilis*), spotted touch-me-not (*Impatiens capensis*), late goldenrod (*Solidago gigantea*), spotted trumpetweed (*Eutrochium maculatum*), common boneset (*Eupatorium perfoliatum*), black bent (*Agrostis gigantea*), cottongrass bulrush or woolgrass (*Scirpus cyperinus*), dark-green bulrush (*Scirpus atrovirens*), large barnyard grass (*Echinochloa crus-galli*), skunk cabbage (*Symplocarpus foetidus*), arrow-leaf tearthumb (*Persicaria sagittata*), swamp smartweed (*Persicaria hydropiperoides*), and various sedges including hop sedge (*Carex lupulina*), lakebank sedge (*Carex lacustris*), uptight sedge (*Carex stricta*), shallow sedge (*Carex lurida*), and fox sedge (*Carex vulpinoidea*).

1.2.1.1.2 PSS Wetlands

Scrub-shrub wetlands include areas dominated by woody vegetation less than six meters tall (Cowardin et al., 1979). Woody vegetation found in this type of wetland includes true shrubs, young trees, and trees or shrubs that are small or stunted because of environmental conditions. Scrub-shrub wetlands may represent a successional stage leading to a forested wetland or a relatively stable climax community. Vegetation composition is strongly influenced by the hydrologic regime and where located, such as within existing rights-of-way, and by local vegetation maintenance practices. Most scrub-shrub communities are seasonally flooded and the soil is often saturated to the surface. The ground layer can be composed of a diversity of ferns, sedges, rushes, and forbs, such as those in wet meadows. The ground layer in disturbed, deciduous shrub swamps may be composed of reed canarygrass or other invasive species.

Common dominant shrub species identified in delineated wetlands include willow species such as black willow (*Salix nigra*), sandbar willow (*Salix interior*), and Bebb's or gray willow (*Salix bebbiana*), dogwood species such as silky dogwood (*Cornus amomum*), gray dogwood (*Cornus racemosa*), stiff dogwood (*Cornus foemina*), alternate-leaf dogwood (*Cornus alternifolia*), and red-osier dogwood (*Cornus alba*), smooth arrowwood (*Viburnum recognitum*) and southern arrowwood (*Viburnum dentatum*), Morrow's honeysuckle (*Lonicera morrowii*) and twinsisters (*Lonicera tatarica*), common buttonbush (*Cephalanthus occidentalis*), and white meadowsweet (*Spiraea alba*), as well as young trees such as slippery elm (*Ulmus rubra*) and American elm (*Ulmus americana*), Eastern cottonwood (*Populus deltoides*), and green ash (*Fraxinus pennsylvanica*). Typical dominant herbaceous species identified in PSS wetlands include reed canarygrass, goldenrod species (*Solidago* sp.), aster species (*Symphyotrichum* sp.), spotted touch-me-not, beggarticks (*Bidens* sp.), rice cutgrass, sensitive fern, stinging nettle (*Urtica dioica*), arrow-leaf tearthumb, and various sedges (*Carex* sp.).

1.2.1.1.3 PFO Wetlands

Forested wetlands are characterized by woody vegetation that grow six meters (20 feet) tall or taller (Cowardin et al., 1979). Forested wetlands normally include an overstory of trees, an understory of young trees or shrubs, and an herbaceous layer. Within the Project area, PFO wetlands are generally characterized as deciduous, which are common throughout much of the region in depressions, on floodplains, on flats on glacial lake plains, and along lake shores. Floodplain forests occupy lowlands adjacent to the larger rivers in the region.

Common dominant tree species identified in delineated wetlands include silver maple (*Acer saccharinum*) and red maple (*Acer rubrum*), American elm, green ash and black ash (*Fraxinus nigra*), shellbark hickory (*Carya laciniosa*), black willow, pin oak (*Quercus palustris*) and swamp white oak (*Quercus bicolor*), and Eastern cottonwood. The understory within the delineated PFO wetlands were typically dominated by Northern spicebush (*Lindera benzoin*), American elm, common buttonbush, American hornbeam (*Carpinus caroliniana*), green ash, red maple, arrowwood (*Viburnum* sp.), and dogwood species (*Cornus* sp.). Dominant herbaceous vegetation within the PFO wetlands include Japanese stilt grass (*Microstegium vimineum*), Canadian clearweed (*Pilea pumila*), aster species, spotted touch-me-not, rice cutgrass, various sedge species, sensitive fern, and goldenrod species.

1.2.1.2 Hydric Soils

According to the Corps of Engineers Wetland Delineation Manual (USACE, 1987), hydric soils are defined as a soil that formed under conditions of saturation, flooding or ponding long enough during the growing season to develop anaerobic conditions in the upper part. Hydric soils were identified and recorded on the data sheets in Appendix B on the attached DVD. Within the USACE Detroit District, and the MIDEQ Jackson and Lansing Districts, the Project traverses the following soil units mapped by the NRCS as hydric, described below (USDA NRCS, nd):

Adrian muck - The Adrian series consists of very deep, very poorly drained soils formed in herbaceous organic materials over sandy deposits on outwash plains, lake plains, lake terraces, flood plains, moraines, and till plains. Slope ranges from 0 to 1 percent. Depth to the top of an apparent seasonal high water table ranges from 30 cm (1 foot) above the surface to 30 cm (1 foot) below the surface between September and June in normal years. Potential for surface runoff is negligible. Saturated hydraulic conductivity is moderately high or high in the organic material and high or very high in the sandy material. Permeability is moderately slow to moderately rapid in the organic material and rapid in the sandy material. In the flooded phase, areas are subject to frequent flooding for long periods between October and June.

Bach very fine sandy loam - The Bach series consist of very deep, poorly drained or very poorly drained soils formed in calcareous silty lacustrine deposits on lake plains. Slope ranges from 0 to 2 percent. The potential for surface runoff ranges from negligible to medium. Saturated hydraulic conductivity is moderately high. Permeability is moderately slow or moderate depending on the texture and sequence of the layers.

Barry loam - The Barry series consists of very deep, poorly drained soils formed in loamy till on ground moraines and end moraines. Slope ranges from 0 to 3 percent. Depth to the top of a seasonal high water table ranges from 30 cm (1 foot) above the surface to 30 cm (1 foot) below the surface between November and May in normal years. The low precipitation phase has a seasonal high water table at depths of 30 to 76 cm (1 to 2.5 feet) between November and July. Potential for surface runoff is negligible to low. Saturated hydraulic conductivity is moderately high. Permeability is moderate.

Berville loam - The Berville series consists of very deep, very poorly drained soils formed in glaciofluvial deposits overlying till on lake plains and ground moraines. Slope ranges from 0 to 2 percent. Depth to the top of a perched seasonal high water table ranges from 30 cm (1 foot) above the surface to 30 cm (1 foot) below the surface between November and May in normal years. Potential for surface runoff is negligible to low. Saturated hydraulic conductivity is moderately high. Permeability is moderate in the outwash and moderately slow in the till.

Brady loamy sand - The Brady series consists of very deep, somewhat poorly drained soils formed in loamy outwash materials on outwash plains, valley trains, terraces, and lake plains. Slope ranges from 0 to 6 percent. Depth to a seasonal high water table ranges from 15 to 46 cm (0.5 to 1.5 feet) from November to May in normal years. The potential for surface runoff is negligible to low. Saturated hydraulic conductivity is high. Permeability is moderately rapid.

Breckenridge loamy sand and sandy loam - The Breckenridge series consists of very deep, poorly drained or very poorly drained soils formed in glaciofluvial deposits overlying loamy till on lake plains and till plains. Slope ranges from 0 to 2 percent. Potential for surface runoff is very low to medium. Saturated hydraulic conductivity is moderately high or high in the solum and moderately high in the substratum. Permeability is moderate or moderately rapid in the solum, and moderately slow in the substratum.

Breckenridge-Brevort complex – The Breckenridge series has been described above. The Brevort series consists of very deep, poorly drained or very poorly drained soils formed in sandy materials underlain by loamy glacial or lacustrine deposits. Slope ranges from 0 to 2 percent. Potential for surface runoff is negligible to low. Saturated hydraulic conductivity is high in the sandy materials and moderately high in the loamy materials. Permeability is rapid or moderately rapid in the sandy upper horizons and moderate or moderately slow in the 2C horizon.

Brookston and Colwood loams - The Brookston series consists of very deep, poorly drained soils formed in as much as 51 cm (20 inches) of silty material and the underlying loamy till in depressions on till plains and moraines. Slope ranges from 0 to 3 percent. Depth to the top of an apparent seasonal high water table ranges from 15 cm (0.5 foot) above the surface to 30 cm (1 foot) below the surface for some time in normal years. Potential for surface runoff is negligible to low. Saturated hydraulic conductivity is moderately high. Permeability is moderate in the subsoil and moderately slow in the underlying material.

The Colwood series consists of very deep, poorly drained or very poorly drained soils formed in stratified silty and loamy glaciolacustrine deposits or outwash. These soils are on lake plains, outwash plains, moraines, and deltas. Slope ranges from 0 to 3 percent. Depth to the top of an apparent seasonal high water table ranges from 30 cm (1 foot) above the surface to 30 cm (1 foot) below the surface between October and May in normal years. Potential for surface runoff is negligible or very low. Saturated hydraulic conductivity is moderately high. Permeability is moderate or moderately slow.

Carlisle and Linwood mucks - The Carlisle series consists of very deep, very poorly drained soils formed in woody and herbaceous organic materials in depressions within lake plains, outwash plains, ground moraines, flood plains and moraines. Slope ranges from 0 to 2 percent. Depth to the top of a seasonal high water table ranges from 61 cm (2.0 feet) above the surface to 30 cm (1 foot) below the surface from September to June in normal years. The potential for surface runoff is low or negligible. Saturated hydraulic conductivity is moderately high or high. Permeability is moderately slow to moderately rapid.

The Linwood series consists of very deep, very poorly drained soils formed in highly decomposed woody, organic materials underlain by loamy till at depths of 41 to 130 cm (16 to 51 inches). These soils are in drainageways and depressions on end moraines, ground moraines, outwash plains, and lake plains. Slope ranges from 0 to 2 percent. Depth to the top of a seasonal high water table ranges from 30 cm (1 foot) above the surface to 30 cm (1 foot) below the surface between November and June in normal years. Potential for surface runoff is negligible or very low. Saturated hydraulic conductivity is moderately high or high in the organic layers and moderately high in the underlying loamy material. Permeability is moderately slow to moderately rapid in the organic layers and moderate or moderately slow in the loamy material.

Ceresco fine sandy loam - The Ceresco series consists of very deep, somewhat poorly drained soils that formed in loamy alluvium on flood plains in river valleys. Slope ranges from 0 to 3 percent. Saturated hydraulic conductivity is moderately high or high. These soils are frequently or occasionally flooded for brief to long duration.

Cohoctah loam, silt loam, and fine sandy loam - The Cohoctah series consists of very deep, poorly drained or very poorly drained soils formed in loamy alluvial deposits on flood plains. Slope ranges from 0 to 2 percent. The depth to the top of an apparent seasonal high water table ranges from near the surface to 30 cm (1 foot) below the surface from September to May in normal years. The potential for surface runoff is very low or negligible. Saturated hydraulic conductivity is high. Permeability is moderately rapid. The soil is commonly flooded for brief to long periods of time from November to May.

Colwood silt loam, fine sandy loam, and very fine sandy loam - The Colwood series consists of very deep, poorly drained or very poorly drained soils formed in stratified silty and loamy glaciolacustrine deposits or outwash. These soils are on lake plains, outwash plains, moraines, and deltas. Slope ranges from 0 to 3 percent. Depth to the top of an apparent seasonal high water table ranges from 30 cm (1 foot) above the surface to 30 cm (1 foot) below the surface between October and May in normal years. Potential for surface runoff is negligible or very low. Saturated hydraulic conductivity is moderately high. Permeability is moderate or moderately slow.

Edwards muck - The Edwards series consists of very deep, very poorly drained soils formed in herbaceous organic materials 61 to 130 cm (16 to 51 inches) thick overlying marly material on outwash plains, lake plains, and ground moraines. Slope typically ranges from 0 to 2 percent. Depth to the top of a seasonal high water table ranges from 30 cm (1 foot) above the surface to 30 cm (1 foot) below the surface in normal years. Potential for surface runoff is negligible. Saturated hydraulic conductivity is moderately high or high in the organic material and moderately low in the marly material. Permeability is moderately slow to moderately rapid in the organic material and slow in the marly material.

Gilford sandy loam - The Gilford series consists of very deep, poorly drained or very poorly drained soils formed in loamy over sandy sediments on outwash plains, near-shore zones (relict), and flood-plain steps. Slope ranges from 0 to 2 percent. In drained areas, the depth to the top of an apparent seasonal high water table ranges from 15 cm (0.5 feet) above the surface to 30 cm (1 foot) below the surface between December and May in normal years. Potential for surface runoff is negligible. Saturated hydraulic conductivity is high in the upper part and very rapid in the lower part. Permeability is moderately rapid in the upper part and rapid in the lower part.

Glendora loam - The Glendora series consists of very deep, poorly drained or very poorly drained soils formed in sandy alluvium. These soils are on nearly level areas or slight depressions, including old drainageways, and on flood plains in river valleys. Slope ranges from 0 to 2 percent. Depth to the top of a seasonal high water table ranges from the surface to 30 cm (1 foot) between September and June in normal years. Potential for surface runoff is negligible. Saturated hydraulic conductivity is high or very high. These soils are frequently or occasionally flooded for brief to very long duration. These soils are subject to occasional ponding up to 15 cm (0.5 feet) for brief duration.

Granby sandy loam - The Granby series consists of very deep, poorly drained or very poorly drained soils formed in sandy outwash or sandy glaciolacustrine deposits on outwash plains, lake plains, and glacial drainageways. Slope ranges from 0 to 3 percent. Depth to an apparent seasonal high water table ranges from

30 cm (1 foot) above the surface to 30 cm (1 foot) below the surface for some time in normal years. Potential for surface runoff is negligible. Saturated hydraulic conductivity is high or very high. Permeability is rapid.

Houghton and Adrian mucks - The Houghton series consists of very deep, very poorly drained soils formed in herbaceous organic materials more than 130 cm (51 inches) thick in depressions on lake plains, outwash plains, ground moraines, end moraines, and floodplains. Slope ranges from 0 to 2 percent. Depth to the seasonal high water table ranges from 61 cm (2 feet) above the surface in ponded phases to 30 cm (1 foot) below the surface between September and June in normal years. Potential for surface runoff is very slow or ponded. Saturated hydraulic conductivity is moderately high or high. Permeability is moderately slow to moderately rapid. The Adrian series has been described above.

Hoytville clay loam and Rimer sandy loam - The Hoytville series consists of very deep, very poorly drained soils that are deep or very deep to dense till. They formed in till that has been leveled by wave action and are on lake plains. Slope ranges from 0 to 1 percent. A perched water table ranges from 30 centimeters (cm) (1 foot) above the surface to 30 cm (1 foot) below the surface from January to April in normal years. Saturated hydraulic conductivity is moderately high in the upper part of the solum, moderately low in the lower part of the solum, and low in the substratum. The potential for surface runoff is negligible or very low. Permeability is moderately slow in the upper part of the solum, slow in the lower part of the solum, and slow or very slow in the substratum.

The Rimer series consists of very deep, somewhat poorly drained soils that are deep or moderately deep to dense till. These soils formed in sandy glaciolacustrine deposits and in the underlying till. They are on lake plains, wave-worked till plains, till-floored lake plains, and till plains. Slope ranges from 0 to 6 percent. The depth to the top of an intermittent perched high water table ranges from 15 to 46 cm (0.5 to 1.5 feet) between January and April in normal years. The potential for surface runoff is low to high. Saturated hydraulic conductivity is very high in the sandy material, moderately low in the lower part of the subsoil, and low in the substratum. Permeability is rapid in the sandy material, slow in the lower part of the subsoil, and slow or very slow in the substratum.

Kerston muck and loams - The Kerston series consists of very deep, very poorly drained soils that formed in 41 to 76 cm (16 to 30 inches) of organic materials overlying alternating layers of organic and mineral materials on flood plains and glacial drainageways. Slope ranges from 0 to 2 percent. Depth to the top of a seasonal high water table ranges from 30 cm (1 foot) above the surface to 30 cm (1 foot) below the surface between September and June in normal years. The water table is typically the same as that of the adjacent stream. Potential for surface runoff is negligible or very low. Saturated hydraulic conductivity is moderately high or high in the sapric material and high or very high in the mineral material. Permeability of the sapric material ranges from moderately slow to moderately rapid and the mineral material has rapid permeability.

Kokomo series - The Kokomo series consists of very deep, very poorly drained soils that formed in loamy materials overlying till. Kokomo soils are in depressions on till plains. Slope ranges from 0 to 2 percent. Depth to the top of an apparent seasonal high water table ranges from 30 cm (1.0 foot) above the surface to 15 cm (0.5 foot) below the surface during the winter and spring in normal years. Potential for surface runoff

is negligible. Saturated hydraulic conductivity is moderately high or moderately low in the loamy materials, and moderately low in the underlying till. Permeability is moderately slow or slow in the loamy materials and slow in the underlying till.

Kokomo and Barry loams - The Kokomo series has been described above. The Barry series consists of very deep, poorly drained soils formed in loamy till on ground moraines and end moraines. Slope ranges from 0 to 3 percent. Depth to the top of a seasonal high water table ranges from 30 cm (1 foot) above the surface to 30 cm (1 foot) below the surface between November and May in normal years. The low precipitation phase has a seasonal high water table at depths of 30 to 76 cm (1 to 2.5 feet) between November and July. Potential for surface runoff is negligible to low. Saturated hydraulic conductivity is moderately high. Permeability is moderate.

Lamson fine sandy loam - The Lamson series consists of very deep, poorly drained and very poorly drained soils formed in glacio-fluvial, glacio-lacustrine and deltaic deposits. They are level and nearly level soils in low areas on glacial lake plains. Slope ranges from 0 to 3 percent but is mostly less than 2 percent. The potential for surface runoff is very high to negligible. Saturated hydraulic conductivity is moderately high through high in the mineral soil.

Latty silty clay loam - The Latty series consists of very deep, very poorly drained soils formed in clayey glaciolacustrine sediments. These soils are on lake plains. Slope ranges from 0 to 2 percent. The depth to the top of an intermittent apparent high water table ranges from 30 cm (1 foot) above the surface to 30 cm (1 foot) below the surface between January and April in normal years. The potential for surface runoff is negligible. Saturated hydraulic conductivity is moderately low in the solum and low in the underlying material. Permeability is slow in the solum and very slow in the underlying material.

Lenawee silt loam and silty clay loam - The Lenawee series consists of very deep, poorly drained and very poorly drained soils formed in lacustrine deposits. These soils are on lake plains and in depressional areas on moraines, outwash plains, and glacial drainageways. Slope ranges from 0 to 2 percent. Potential for surface runoff is negligible. Saturated hydraulic conductivity is moderately high or moderately low. Permeability is moderately slow or slow.

Lupton muck - The Lupton series consists of very deep, very poorly drained soils formed in organic deposits more than 51 inches thick within depressions on lake plains, moraines and outwash plains. Permeability of these soils is moderately slow to moderately rapid. Slopes typically are from 0 to 2 percent, but may range to 15 percent. The representative depth to wet soil moisture status is at the surface to 1 foot below the surface at some time throughout the year. The representative depth of ponding is from .2 to 1.0 foot at some time throughout the year. Surface runoff is negligible to high, dependent on slope. Permeability is moderately slow to moderately rapid.

Macomb sandy clay loam and Hoytville clay loam - The Macomb series consists of very deep, somewhat poorly drained soils formed in outwash and the underlying till on lake plains and till plains. Slope ranges

from 0 to 2 percent. Potential for surface runoff is very low to medium. Saturated hydraulic conductivity is moderately high. Permeability is moderately slow. The Hoytville series has been described above.

Millgrove loam - The Millgrove series consists of very deep, very poorly drained soils on outwash plains and terraces. They formed in loamy and gravelly outwash overlying sandy, gravelly, and loamy outwash deposits. Slope ranges from 0 to 2 percent. The depth to the top of an intermittent apparent high water table ranges from 30 cm (1 foot) above the surface to 30 cm (1 foot) below the surface between November and May in normal years. The potential for surface runoff is negligible to low. Saturated hydraulic conductivity is moderately high in the solum and high in the underlying material. Permeability is moderate in the solum and moderately rapid in the underlying material. The rarely flooded phase is subject to flooding from late fall to spring.

Palms muck - The Palms series consist of very deep, very poorly drained soils formed in herbaceous organic materials 41 to 130 cm (16 to 51 inches) thick and the underlying loamy deposits in closed depressions on moraines, lake plains, till plains, outwash plains, and hillside seep areas, and on backswamps of flood plains. Slope ranges from 0 to 6 percent. Depth to the top of an apparent seasonal high water table ranges from 30 cm (1 foot) above the surface to 30 cm (1 foot) below the surface between November and May in normal years. Potential for surface runoff is negligible. Saturated hydraulic conductivity is moderately high or high in the organic material and moderately high in the loamy material. Permeability is moderately slow to moderately rapid in the organic material and moderate or moderately slow in the loamy material.

Parkhill loam - The Parkhill series consists of very deep, poorly drained and very poorly drained soils that are deep to dense till. These soils formed in loamy ablation till overlying loamy dense till. They are on wave-worked till plains, till plains, and moraines. Slope ranges from 0 to 2 percent. Depth to the top of a perched seasonal high water table ranges from 15 cm (0.5 foot) above the surface to 15 cm (0.5 foot) below the surface between November and April in normal years. Potential for surface runoff is negligible to low. Saturated hydraulic conductivity is moderately high in the surface, moderately low in the subsoil and upper substratum and very low in the dense substratum.

Paulding clay - The Paulding series consists of very deep, very poorly drained soils that are moderately deep or deep to dense clayey lacustrine material. These soils formed in clayey glaciolacustrine deposits. They are on lake plains and till-floored lake plains. Slope ranges from 0 to 2 percent. The depth to the top of an intermittent perched high water table ranges from 30 cm (1 foot) above the surface to 15 cm (6 inches) below the surface from January to April or during periods of high rainfall. The potential for surface runoff is negligible. Saturated hydraulic conductivity is low in the subsoil and very low in the substratum.

Pella silt loam - The Pella series consists of very deep, poorly drained soils formed in loamy or silty sediments and the underlying stratified loamy glacial sediments on lake plains, outwash plains, and till plains. Slope ranges from 0 to 3 percent. An apparent seasonal high water table is at 15 cm (0.5 foot) above the surface to 31 cm (1.0 foot) below the surface at some time during spring in most years. The potential for surface runoff is negligible to low. Saturated hydraulic conductivity is moderately high or high (4.23 to 14.11 micrometers per second). Permeability is moderate.



Pewamo loam, clay loam, and mucky clay loam - The Pewamo series consists of very deep, very poorly drained soils formed in till on moraines, near-shore zones (relict), and lake plains. Slope ranges from 0 to 2 percent. Depth to an apparent seasonal high water table ranges from 30 cm (1 foot) above the surface to 30 cm (1 foot) below the surface from December to May in normal years. The potential for surface runoff is negligible to low. Saturated hydraulic conductivity is moderately high. Permeability is moderately slow.

Sebewa loam - The Sebewa series consists of very deep, poorly drained or very poorly drained soils formed in loamy outwash and the underlying gravelly and sandy outwash on outwash plains, valley trains, and stream terraces on terrace landscapes. They are moderately deep to the gravelly and sandy outwash. Slope ranges from 0 to 3 percent. Depth to a seasonal high water table ranges from 30 cm (1 foot) above the surface to 30 cm (1 foot) below the surface from September to May in normal years. The potential for surface runoff is negligible. Saturated hydraulic conductivity is moderately high in the loamy materials and high or very high in the underlying gravelly and sandy materials. Permeability is moderate in the loamy materials and rapid or very rapid in the underlying gravelly and sandy materials.

Sims clay loam - The Sims series consists of very deep, poorly drained or very poorly drained soils that formed in clayey till on till plains and ground moraines. Slope ranges from 0 to 2 percent. Depth to the top of a perched seasonal high water table ranges from 30 cm (1 foot) above the surface to 30 cm (1 foot) below the surface between November and May in normal years. Potential for surface runoff is negligible. Saturated hydraulic conductivity is moderately low. Permeability is slow.

Sloan loam and silt loam - The Sloan series consists of very deep, very poorly drained soils formed in loamy alluvium on flood plains. Slope ranges from 0 to 2 percent. Depth to the top of an intermittent apparent high water table ranges from 30 cm (1 foot) above the surface to 30 cm (1 foot) below the surface between November and June in normal years. Potential for surface runoff is negligible to medium. These soils are subject to flooding from late fall to spring. Saturated hydraulic conductivity is moderately high; in the sandy substratum phase, it is very high. Permeability is moderate or moderately slow. In the sandy substratum phase, permeability is rapid in the lower part of the series control section.

Tawas muck - The Tawas series consists of very deep, very poorly drained organic soils that are moderately deep to sandy material. They formed in sapric material 41 to 130 centimeters thick overlying sandy drift. They are in depressions within outwash plains, lake plains, till floored lake plains and moraines. Saturated hydraulic conductivity of these soils is moderately high to high in the organic material and high or very high in the sandy material. Slopes typically range from 0 to 2 percent, but may range to 15 percent. The representative depth to wet soil moisture status is at the surface to 30 centimeters below the surface at some time throughout the year. The representative depth of ponding is from 0 to 30 centimeters at some time throughout the year. Surface runoff is negligible to high, dependent on slope. Saturated hydraulic conductivity is moderately high to high in the organic part and high or very high in the mineral part.

Thomas complex - The Thomas series consists of very deep, poorly drained or very poorly drained soils formed in organic materials less than 41 cm (16 inches) thick overlying loamy till or lacustrine materials.

These soils are on till plains and lake plains. Slope ranges from 0 to 2 percent. Potential for surface runoff is negligible. Saturated hydraulic conductivity is moderately low or moderately high. Permeability is slow or moderately slow.

Timakwa muck - The Timakwa series consists of very deep, very poorly drained soils formed in woody and herbaceous organic materials over sandy deposits in depressions on lake plains, outwash plains, till plains, moraines, and flood plains. Saturated hydraulic conductivity is moderately low to high in the organic layers and high or very high in the sandy material. Slope ranges from 0 to 2 percent. Depth to the seasonal high water table ranges from 30 centimeters above the surface to 30 cm below the surface from October to June. Surface runoff is negligible or very low. Saturated hydraulic conductivity is moderately low to high in the organic layers and high or very high in the sandy material. Some areas are subject to rare, very brief flooding from November to May.

Toledo silty clay loam - The Toledo series consists of very deep, very poorly drained soils formed in clayey glaciolacustrine sediments. These soils are on lake plains. Slope ranges from 0 to 2 percent. The depth to the top of an intermittent apparent high water table ranges from 30 cm (1 foot) above the surface to 30 cm (1 foot) below between November and May in normal years. The ponded phase has an apparent high water table ranging from 91 cm (3 feet) above the surface to 30 cm (1 foot) below between September and May in normal years. The potential for surface runoff is negligible to medium. Saturated hydraulic conductivity is moderately low. Permeability is slow.

Wallkill loam - The Wallkill series consists of very deep, very poorly drained soils formed in alluvium overlying organic soil material. They are nearly level soils that occur on flood plains or around margins of organic soils adjacent to uplands. Saturated hydraulic conductivity of the mineral portion is moderately high to high, and the organic portion is high to very high. Slope ranges from 0 to 3 percent. The potential for surface runoff is low to negligible. Saturated hydraulic conductivity of the mineral portion is moderately high to high, and the organic portion is high to very high.

Warners muck and marl - The Warners series consists of very deep, very poorly drained soils on nearly level floodplains and seepage areas of hillsides. Warners soils developed in mineral material of mixed mineralogy, alluvial in origin that overlies marl. Permeability is moderate or moderately slow through the soil. Slope ranges from 0 to 8 percent. The potential for surface runoff is negligible to low. Permeability is moderate or moderately slow.

1.2.2 Streams, Drainages, and Waterbodies

Streams and drainages delineated within the Project area were classified according to flow regime (e.g., perennial, intermittent, or ephemeral). Perennial streams have continuous year-round flow and typically a well-defined OHWM. Intermittent streams have seasonal flow (continuous flow for a period of at least three months) and also typically have a defined OHWM. Ephemeral streams have flow of short duration after a rainfall event and typically have an ill-defined OHWM. Waterbodies delineated within the Project area are classified as either Palustrine Aquatic Bed (PAB) or Palustrine Unconsolidated Bottom (PUB). PAB waterbodies have a greater than 30 percent cover of vegetation growing on or below the surface for most

of the growing season in almost all years. PUB waterbodies have 30 percent or less cover by vegetation growing on or below the surface (Cowardin et. al. 1979).

1.3 REFERENCES

- Cowardin, L.M., V. Carter V., F.C. Golet, E.T. LaRoe. 1979. Classification of Wetlands and Deepwater Habitats of the United States. U.S. Fish and Wildlife Service Report No. FWS/OBS/-79/31. Washington, D.C.
- U.S. Army Corps of Engineers (USACE). 1987. Corps of Engineers Wetland Delineation Manual. Technical Report U-87-1. Waterways Experiment Station, Vicksburg, MS.
- USACE. 2010. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Midwest Region (Version 2.0), ed. J. S. Wakeley, R. W. Lichvar, and C. V. Noble. ERDC/EL TR-10-16. Vicksburg, MS: U.S. Army Engineer Research and Development Center.
- USACE. 2012. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region (Version 2.0), ed. J. S. Wakeley, R. W. Lichvar, C. V. Noble, and J. F. Berkowitz. ERDC/EL TR-12-1. Vicksburg, MS: U.S. Army Engineer Research and Development Center.
- U.S. Department of Agriculture (USDA), Natural Resources Conservation Service (NRCS). nd. Official Soil Series Descriptions. Accessed online at https://soilseries.sc.egov.usda.gov/osdname_look.aspx.

APPENDIX A

TABLE 1 Rover Pipeline Project - Market Segment USACE, Detroit District and MIDEQ, Jackson, Lansing, and SE Michigan Districts Waters of the U.S. Delineation Report - Wetlands in Michigan 2

TABLE 2 Rover Pipeline Project - Market Segment USACE, Detroit District and MIDEQ, Jackson, Lansing, and SE Michigan Districts Waters of the U.S. Delineation Report – Surface Waters in Michigan 26

TABLE 3 Rover Pipeline Project - Market Segment USACE, Detroit District and MIDEQ, Jackson, Lansing, and SE Michigan Districts Waters of the U.S. Delineation Report - Ponds in Michigan ... 33

TABLE 4 Rover Pipeline Project - Market Segment USACE, Detroit District and MIDEQ, Jackson, Lansing, and SE Michigan Districts Waters of the U.S. Delineation Report - Drainages in Michigan 35

TABLE 1
Rover Pipeline Project - Market Segment
USACE, Detroit District and MIDEQ, Jackson, Lansing, and SE Michigan Districts
Waters of the U.S. Delineation Report - Wetlands in Michigan

Wetland ID	Approx. MP	Latitude	Longitude	Type	USGS Quad	County, State	Township	Delineated Acres
Market Segment								
W2K-LE-134	29.25	41° 44' 3.716" N	84° 11' 4.413" W	PFO	Morenci	Lenawee, MI	Seneca	0.10
W1K-LE-104	33.30	41° 47' 17.661" N	84° 10' 8.597" W	PSS	Clayton	Lenawee, MI	Seneca	0.38
W1K-LE-102	35.11	41° 48' 38.142" N	84° 9' 26.166" W	PFO	Clayton	Lenawee, MI	Seneca	0.35
W1K-LE-105	36.52	41° 49' 45.412" N	84° 8' 59.394" W	PEM	Clayton	Lenawee, MI	Dover	1.56
W2K-LE-136	36.56	41° 49' 47.142" N	84° 8' 55.504" W	PSS	Clayton	Lenawee, MI	Dover	0.32
W1K-LE-146	37.87	41° 50' 46.673" N	84° 8' 38.081" W	PEM	Clayton	Lenawee, MI	Dover	1.90
W1K-LE-109	37.95	41° 50' 51.042" N	84° 8' 36.059" W	PFO	Clayton	Lenawee, MI	Dover	0.03
W1K-LE-108	37.99	41° 50' 52.087" N	84° 8' 35.626" W	PEM	Clayton	Lenawee, MI	Dover	0.22
W1K-LE-110	38.07	41° 50' 56.615" N	84° 8' 35.806" W	PEM	Clayton	Lenawee, MI	Dover	0.35
W2K-LE-176	38.13	41° 51' 0.018" N	84° 8' 34.906" W	PEM	Clayton	Lenawee, MI	Dover	2.22
W2K-LE-226	38.33	41° 51' 10.178" N	84° 8' 36.918" W	PFO	Clayton	Lenawee, MI	Dover	1.03
W2TB-LE-411	38.35	41° 51' 11.447" N	84° 8' 41.082" W	PFO	Clayton	Lenawee, MI	Dover	0.18
W2TB-LE-412	38.55	41° 51' 21.591" N	84° 8' 41.622" W	PEM	Clayton	Lenawee, MI	Dover	0.17
W2TB-LE-413	38.57	41° 51' 22.983" N	84° 8' 40.611" W	PEM	Clayton	Lenawee, MI	Dover	0.02
W2TB-LE-414	38.58	41° 51' 23.617" N	84° 8' 40.521" W	PEM	Clayton	Lenawee, MI	Dover	0.03
W1K-LE-145	39.44	41° 51' 54.778" N	84° 8' 13.529" W	PEM	Clayton	Lenawee, MI	Dover	0.13
W1K-LE-144	39.47	41° 51' 55.332" N	84° 8' 9.033" W	PEM	Clayton	Lenawee, MI	Dover	0.10
W1K-LE-111	40.06	41° 52' 23.731" N	84° 7' 54.150" W	PEM	Clayton	Lenawee, MI	Dover	0.20
W5K-LE-181	41.78	41° 53' 18.761" N	84° 6' 54.422" W	PEM	Adrian	Lenawee, MI	Madison	0.59
W5K-LE-106	41.99	41° 53' 29.746" N	84° 6' 55.477" W	PEM	Adrian	Lenawee, MI	Madison	0.10
W5K-LE-105	42.04	41° 53' 32.270" N	84° 6' 53.287" W	PEM	Adrian	Lenawee, MI	Madison	0.09
W5K-LE-102	42.43	41° 53' 52.517" N	84° 6' 51.378" W	PEM	Adrian	Lenawee, MI	Madison	0.22
W5K-LE-103	42.45	41° 53' 53.523" N	84° 6' 51.410" W	PFO	Adrian	Lenawee, MI	Madison	0.27

TABLE 1
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Waters of the U.S. Delineation Report - Wetlands in Michigan

Wetland ID	Approx. MP	Latitude	Longitude	Type	USGS Quad	County, State	Township	Delineated Acres
Market Segment, cont'd								
W2K-LE-229	42.49	41° 53' 55.127" N	84° 6' 50.992" W	PFO	Adrian	Lenawee, MI	Madison	0.25
W2K-LE-229	42.51	41° 53' 56.165" N	84° 6' 51.391" W	PFO	Adrian	Lenawee, MI	Adrian	0.05
W1K-LE-176	42.99	41° 54' 10.138" N	84° 7' 13.308" W	PFO	Adrian	Lenawee, MI	Adrian	3.41
W1K-LE-113	43.18	41° 54' 26.468" N	84° 7' 6.054" W	PEM	Adrian	Lenawee, MI	Adrian	0.41
W1K-LE-112	43.23	41° 54' 29.141" N	84° 7' 4.576" W	PEM	Adrian	Lenawee, MI	Adrian	0.29
W5K-LE-219	44.69	41° 55' 46.215" N	84° 7' 0.755" W	PFO	Adrian	Lenawee, MI	Adrian	0.03
W1K-LE-246	44.81	41° 55' 49.968" N	84° 6' 53.312" W	PFO	Adrian	Lenawee, MI	Adrian	0.30
W1K-LE-247	44.86	41° 55' 51.942" N	84° 6' 52.565" W	PFO	Adrian	Lenawee, MI	Adrian	0.80
W1K-LE-248	45.13	41° 56' 0.651" N	84° 6' 48.022" W	PFO	Adrian	Lenawee, MI	Adrian	0.03
W2K-LE-178	45.81	41° 56' 30.827" N	84° 6' 22.791" W	PEM	Adrian	Lenawee, MI	Adrian	0.51
W2K-LE-233	45.84	41° 56' 32.624" N	84° 6' 23.105" W	PEM	Adrian	Lenawee, MI	Adrian	0.68
W1K-LE-116	48.22	41° 58' 24.274" N	84° 5' 38.530" W	PFO	Adrian	Lenawee, MI	Adrian	0.23
W1K-LE-115	48.33	41° 58' 28.724" N	84° 5' 35.622" W	PFO	Adrian	Lenawee, MI	Adrian	0.60
W1K-LE-122	49.03	41° 59' 5.267" N	84° 5' 39.700" W	PFO	Adrian	Lenawee, MI	Franklin	1.56
W1K-LE-123	49.04	41° 59' 5.161" N	84° 5' 40.190" W	PEM	Adrian	Lenawee, MI	Franklin	1.01
W1K-LE-124	49.08	41° 59' 7.589" N	84° 5' 36.457" W	PFO	Adrian	Lenawee, MI	Franklin	0.23
W1K-LE-125	49.08	41° 59' 7.750" N	84° 5' 37.417" W	PEM	Adrian	Lenawee, MI	Franklin	0.23
W1K-LE-126	49.16	41° 59' 11.424" N	84° 5' 41.036" W	PEM	Adrian	Lenawee, MI	Franklin	0.22
W1K-LE-127	49.24	41° 59' 16.083" N	84° 5' 36.228" W	PSS	Adrian	Lenawee, MI	Franklin	0.07
W1K-LE-128	49.32	41° 59' 20.269" N	84° 5' 38.681" W	PEM	Adrian	Lenawee, MI	Franklin	0.46
W1K-LE-129	49.39	41° 59' 23.511" N	84° 5' 40.422" W	PEM	Adrian	Lenawee, MI	Franklin	0.83
W1K-LE-130	49.43	41° 59' 25.791" N	84° 5' 37.900" W	PFO	Adrian	Lenawee, MI	Franklin	0.31
W1K-LE-131	49.49	41° 59' 28.812" N	84° 5' 38.281" W	PSS	Adrian	Lenawee, MI	Franklin	0.80

TABLE 1
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Waters of the U.S. Delineation Report - Wetlands in Michigan

Wetland ID	Approx. MP	Latitude	Longitude	Type	USGS Quad	County, State	Township	Delineated Acres
Market Segment, cont'd								
W1K-LE-120	49.70	41° 59' 38.976" N	84° 5' 33.708" W	PEM	Adrian	Lenawee, MI	Franklin	0.06
W1K-LE-121	49.73	41° 59' 40.677" N	84° 5' 33.597" W	PEM	Adrian	Lenawee, MI	Franklin	0.01
W1K-LE-119	49.95	41° 59' 49.610" N	84° 5' 25.507" W	PEM	Adrian	Lenawee, MI	Franklin	0.39
W1K-LE-117	50.02	41° 59' 51.367" N	84° 5' 21.374" W	PFO	Adrian	Lenawee, MI	Franklin	0.03
W1K-LE-132	51.71	42° 1' 7.619" N	84° 4' 40.150" W	PSS	Tipton	Lenawee, MI	Franklin	0.40
W1K-LE-238	52.90	42° 1' 35.008" N	84° 3' 29.519" W	PEM	Tipton	Lenawee, MI	Franklin	0.07
W1K-LE-237	52.91	42° 1' 32.468" N	84° 3' 27.690" W	PEM	Tipton	Lenawee, MI	Franklin	0.03
W1K-LE-236	53.08	42° 1' 35.873" N	84° 3' 16.730" W	PFO	Tipton	Lenawee, MI	Franklin	0.18
W1K-LE-241	53.39	42° 1' 50.843" N	84° 3' 8.603" W	PFO	Tipton	Lenawee, MI	Franklin	1.16
W1K-LE-134	53.42	42° 1' 52.732" N	84° 3' 9.599" W	PFO	Tipton	Lenawee, MI	Franklin	0.14
W1K-LE-135	53.49	42° 1' 56.089" N	84° 3' 8.828" W	PEM	Tipton	Lenawee, MI	Franklin	0.05
W1K-LE-136	53.75	42° 2' 9.202" N	84° 3' 5.355" W	PEM	Tipton	Lenawee, MI	Franklin	0.29
W1K-LE-137	54.03	42° 2' 23.801" N	84° 3' 1.864" W	PEM	Tipton	Lenawee, MI	Franklin	0.11
W1K-LE-139	54.09	42° 2' 26.611" N	84° 3' 3.020" W	PEM	Tipton	Lenawee, MI	Franklin	0.05
W1K-LE-140	54.57	42° 2' 51.572" N	84° 3' 3.482" W	PEM	Tipton	Lenawee, MI	Franklin	0.59
W1K-LE-141	54.64	42° 2' 55.455" N	84° 2' 58.813" W	PSS	Tipton	Lenawee, MI	Franklin	0.01
W2K-LE-137	54.90	42° 3' 8.769" N	84° 3' 2.194" W	PEM	Tipton	Lenawee, MI	Franklin	0.10
W2K-LE-138	55.03	42° 3' 15.507" N	84° 3' 3.435" W	PEM	Tipton	Lenawee, MI	Franklin	0.65
W1K-LE-245	55.64	42° 3' 39.684" N	84° 2' 35.183" W	PFO	Tipton	Lenawee, MI	Franklin	0.24
W1K-LE-244	55.87	42° 3' 53.031" N	84° 2' 35.801" W	PFO	Tipton	Lenawee, MI	Franklin	1.18
W1K-LE-242	56.27	42° 4' 13.359" N	84° 2' 32.337" W	PEM	Tipton	Lenawee, MI	Franklin	0.33
W2K-WA-166	56.54	42° 4' 26.766" N	84° 2' 27.547" W	PEM	Tipton	Washtenaw, MI	Manchester	0.59
W2K-WA-165	56.74	42° 4' 36.478" N	84° 2' 23.012" W	PEM	Tipton	Washtenaw, MI	Manchester	0.90

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Market Segment, cont'd								
W2K-WA-164	56.90	42° 4' 44.392" N	84° 2' 18.923" W	PFO	Tipton	Washtenaw, MI	Manchester	0.47
W1K-WA-292	57.01	42° 4' 48.871" N	84° 2' 13.654" W	PSS	Tipton	Washtenaw, MI	Manchester	1.19
W1K-WA-291	57.06	42° 4' 51.301" N	84° 2' 12.664" W	PEM	Tipton	Washtenaw, MI	Manchester	2.23
W1K-WA-170	57.86	42° 5' 22.951" N	84° 1' 41.762" W	PEM	Tipton	Washtenaw, MI	Manchester	0.41
W1K-WA-171	58.12	42° 5' 34.025" N	84° 1' 32.792" W	PEM	Tipton	Washtenaw, MI	Manchester	0.58
W1K-WA-173	58.24	42° 5' 40.203" N	84° 1' 30.383" W	PEM	Tipton	Washtenaw, MI	Manchester	0.07
W2K-WA-103	58.49	42° 5' 53.129" N	84° 1' 30.987" W	PEM	Tipton	Washtenaw, MI	Manchester	0.15
W2K-WA-101	58.94	42° 6' 16.085" N	84° 1' 24.955" W	PEM	Tipton	Washtenaw, MI	Manchester	0.28
W1K-WA-274	59.66	42° 6' 51.442" N	84° 1' 16.875" W	PFO	Tipton	Washtenaw, MI	Manchester	0.09
W1K-WA-272	59.76	42° 6' 55.563" N	84° 1' 10.441" W	PFO	Tipton	Washtenaw, MI	Manchester	0.22
W1K-WA-271	59.80	42° 6' 58.335" N	84° 1' 13.066" W	PFO	Tipton	Washtenaw, MI	Manchester	0.38
W1K-WA-270	59.85	42° 7' 0.993" N	84° 1' 12.102" W	PFO	Tipton	Washtenaw, MI	Manchester	0.17
W1K-WA-254	59.97	42° 7' 5.704" N	84° 1' 8.182" W	PFO	Tipton	Washtenaw, MI	Manchester	1.05
W1K-WA-253	60.05	42° 7' 9.851" N	84° 1' 5.117" W	PFO	Tipton	Washtenaw, MI	Manchester	0.67
W1K-WA-251	60.19	42° 7' 12.181" N	84° 1' 0.566" W	PSS	Tipton	Washtenaw, MI	Manchester	1.03
W2K-WA-167	60.60	42° 7' 24.125" N	84° 0' 37.193" W	PEM	Tipton	Washtenaw, MI	Manchester	0.22
W2K-WA-168	60.70	42° 7' 29.278" N	84° 0' 37.261" W	PEM	Tipton	Washtenaw, MI	Manchester	0.06
W1K-WA-256	60.85	42° 7' 36.744" N	84° 0' 39.760" W	PFO	Manchester	Washtenaw, MI	Manchester	0.16
W1K-WA-257	60.96	42° 7' 42.510" N	84° 0' 37.872" W	PEM	Manchester	Washtenaw, MI	Manchester	0.13
W1K-WA-259	61.04	42° 7' 46.774" N	84° 0' 38.374" W	PEM	Manchester	Washtenaw, MI	Manchester	0.22
W1K-WA-260	61.05	42° 7' 47.309" N	84° 0' 40.097" W	PFO	Manchester	Washtenaw, MI	Manchester	0.96
W1K-WA-262	61.24	42° 7' 55.822" N	84° 0' 42.437" W	PFO	Manchester	Washtenaw, MI	Manchester	0.04
W1K-WA-277	62.32	42° 8' 48.812" N	84° 0' 57.911" W	PSS	Manchester	Washtenaw, MI	Manchester	1.98

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Rover Pipeline Project - Market Segment
USACE, Detroit District and MIDEQ, Jackson, Lansing, and SE Michigan Districts
Waters of the U.S. Delineation Report - Wetlands in Michigan

Wetland ID	Approx. MP	Latitude	Longitude	Type	USGS Quad	County, State	Township	Delineated Acres
Market Segment, cont'd								
W1K-WA-295	62.40	42° 8' 53.232" N	84° 0' 57.024" W	PSS	Manchester	Washtenaw, MI	Manchester	0.07
W1K-WA-294	62.43	42° 8' 54.424" N	84° 0' 59.454" W	PFO	Manchester	Washtenaw, MI	Manchester	0.03
W2K-WA-171	62.47	42° 8' 56.595" N	84° 1' 0.693" W	PFO	Manchester	Washtenaw, MI	Manchester	3.41
W2K-WA-174	62.87	42° 9' 14.391" N	84° 0' 51.399" W	PFO	Manchester	Washtenaw, MI	Manchester	1.78
W1K-WA-281	63.27	42° 9' 27.065" N	84° 0' 32.997" W	PSS	Manchester	Washtenaw, MI	Bridgewater	1.40
W2K-WA-102	63.92	42° 9' 30.107" N	83° 59' 48.531" W	PEM	Bridgewater	Washtenaw, MI	Bridgewater	0.22
W2K-WA-105	64.36	42° 9' 43.049" N	83° 59' 26.362" W	PEM	Bridgewater	Washtenaw, MI	Bridgewater	0.06
W2K-WA-109	64.79	42° 10' 4.686" N	83° 59' 16.865" W	PEM	Bridgewater	Washtenaw, MI	Freedom	0.29
W1K-WA-157	65.99	42° 10' 56.965" N	83° 58' 37.406" W	PEM	Bridgewater	Washtenaw, MI	Freedom	0.05
W1K-WA-154	66.00	42° 10' 57.469" N	83° 58' 32.216" W	PFO	Bridgewater	Washtenaw, MI	Freedom	0.02
W1K-WA-158	66.31	42° 11' 11.616" N	83° 58' 31.372" W	PSS	Bridgewater	Washtenaw, MI	Freedom	0.18
W1K-WA-155	66.32	42° 11' 11.980" N	83° 58' 29.687" W	PEM	Bridgewater	Washtenaw, MI	Freedom	1.00
W1K-WA-279	66.71	42° 11' 31.106" N	83° 58' 22.396" W	PSS	Bridgewater	Washtenaw, MI	Freedom	0.16
W1K-WA-278	66.88	42° 11' 37.076" N	83° 58' 17.614" W	PEM	Bridgewater	Washtenaw, MI	Freedom	3.61
W2K-WA-199	66.97	42° 11' 44.555" N	83° 58' 19.515" W	PEM	Bridgewater	Washtenaw, MI	Freedom	0.70
W5K-WA-264	67.12	42° 11' 51.326" N	83° 58' 13.987" W	PEM	Bridgewater	Washtenaw, MI	Freedom	0.69
W2K-WA-198	67.18	42° 11' 54.095" N	83° 58' 12.175" W	PSS	Bridgewater	Washtenaw, MI	Freedom	0.63
W1K-WA-151	68.94	42° 13' 20.688" N	83° 57' 59.213" W	PEM	Bridgewater	Washtenaw, MI	Freedom	0.88
W1K-WA-147	69.13	42° 13' 30.628" N	83° 57' 57.270" W	PEM	Bridgewater	Washtenaw, MI	Freedom	0.62
W1K-WA-148	69.20	42° 13' 34.347" N	83° 57' 56.723" W	PEM	Bridgewater	Washtenaw, MI	Freedom	0.04
W1K-WA-149	69.20	42° 13' 34.630" N	83° 57' 57.882" W	PFO	Bridgewater	Washtenaw, MI	Freedom	0.25
W1K-WA-150	69.25	42° 13' 37.461" N	83° 57' 59.841" W	PEM	Bridgewater	Washtenaw, MI	Freedom	1.79
W1K-WA-282	69.31	42° 13' 40.098" N	83° 57' 55.301" W	PFO	Bridgewater	Washtenaw, MI	Freedom	1.11

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Market Segment, cont'd								
W2K-WA-117	69.71	42° 14' 0.403" N	83° 57' 54.761" W	PFO	Bridgewater	Washtenaw, MI	Freedom	0.24
W2K-WA-111	69.74	42° 14' 2.534" N	83° 57' 56.684" W	PFO	Bridgewater	Washtenaw, MI	Freedom	0.16
W2K-WA-116	69.79	42° 14' 3.934" N	83° 57' 53.892" W	PFO	Bridgewater	Washtenaw, MI	Freedom	0.68
W2K-WA-114	70.18	42° 14' 24.704" N	83° 57' 48.847" W	PFO	Bridgewater	Washtenaw, MI	Freedom	0.04
W2K-WA-115	70.35	42° 14' 33.703" N	83° 57' 49.211" W	PEM	Bridgewater	Washtenaw, MI	Freedom	0.26
W2K-WA-194	70.43	42° 14' 37.689" N	83° 57' 54.974" W	PEM	Bridgewater	Washtenaw, MI	Freedom	3.25
W2K-WA-196	70.62	42° 14' 49.443" N	83° 57' 53.604" W	PSS	Bridgewater	Washtenaw, MI	Freedom	4.24
W1K-WA-164	70.98	42° 15' 6.716" N	83° 57' 50.706" W	PEM	Dexter	Washtenaw, MI	Lima	0.19
W1K-WA-163	71.11	42° 15' 13.084" N	83° 57' 51.794" W	PEM	Dexter	Washtenaw, MI	Lima	2.88
W1K-WA-162	71.18	42° 15' 17.151" N	83° 57' 52.415" W	PSS	Dexter	Washtenaw, MI	Lima	0.25
W1K-WA-166	71.19	42° 15' 17.797" N	83° 57' 50.458" W	PEM	Dexter	Washtenaw, MI	Lima	0.07
W1K-WA-161	71.19	42° 15' 17.701" N	83° 57' 52.526" W	PEM	Dexter	Washtenaw, MI	Lima	0.20
W1K-WA-160	71.21	42° 15' 18.248" N	83° 57' 53.543" W	PSS	Dexter	Washtenaw, MI	Lima	0.11
W1K-WA-168	71.22	42° 15' 18.936" N	83° 57' 51.632" W	PEM	Dexter	Washtenaw, MI	Lima	0.06
W1K-WA-167	71.22	42° 15' 19.264" N	83° 57' 52.213" W	PSS	Dexter	Washtenaw, MI	Lima	0.26
W2K-WA-118	71.52	42° 15' 33.542" N	83° 57' 47.360" W	PFO	Dexter	Washtenaw, MI	Lima	0.07
W2K-WA-119	71.57	42° 15' 36.006" N	83° 57' 45.558" W	PFO	Dexter	Washtenaw, MI	Lima	0.26
W2K-WA-120	71.63	42° 15' 38.786" N	83° 57' 43.927" W	PEM	Dexter	Washtenaw, MI	Lima	4.15
W2K-WA-121	71.69	42° 15' 41.217" N	83° 57' 40.876" W	PEM	Dexter	Washtenaw, MI	Lima	0.25
W2K-WA-192	71.91	42° 15' 52.425" N	83° 57' 37.572" W	PEM	Dexter	Washtenaw, MI	Lima	1.79
W2K-WA-193	71.98	42° 15' 56.731" N	83° 57' 36.514" W	PEM	Dexter	Washtenaw, MI	Lima	1.21
W2K-WA-124	72.39	42° 16' 17.135" N	83° 57' 35.721" W	PEM	Dexter	Washtenaw, MI	Lima	0.31
W2K-WA-125	72.64	42° 16' 30.684" N	83° 57' 33.827" W	PEM	Dexter	Washtenaw, MI	Lima	0.16

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Market Segment, cont'd								
W2TB-WA-417	73.03	42° 16' 50.658" N	83° 57' 41.434" W	PFO	Dexter	Washtenaw, MI	Lima	0.28
W1M-WA-233	73.17	42° 16' 57.760" N	83° 57' 40.100" W	PEM	Dexter	Washtenaw, MI	Lima	0.38
W1M-WA-234	73.27	42° 17' 2.894" N	83° 57' 37.018" W	PEM	Dexter	Washtenaw, MI	Lima	0.36
W1M-WA-235	73.69	42° 17' 25.087" N	83° 57' 41.035" W	PEM	Dexter	Washtenaw, MI	Lima	0.04
W5K-WA-183	73.72	42° 17' 26.423" N	83° 57' 43.569" W	PEM	Dexter	Washtenaw, MI	Lima	0.51
W5K-WA-184	74.37	42° 17' 51.797" N	83° 57' 59.610" W	PEM	Dexter	Washtenaw, MI	Lima	0.05
W1M-WA-231	74.49	42° 17' 57.850" N	83° 57' 59.476" W	PFO	Dexter	Washtenaw, MI	Lima	0.17
W1M-WA-228	74.66	42° 18' 5.632" N	83° 57' 53.959" W	PFO	Dexter	Washtenaw, MI	Lima	1.93
W5K-WA-220	75.01	42° 18' 19.696" N	83° 57' 40.921" W	PEM	Dexter	Washtenaw, MI	Lima	6.01
W1M-WA-224	75.11	42° 18' 25.292" N	83° 57' 42.142" W	PEM	Dexter	Washtenaw, MI	Lima	1.71
W1M-WA-222	75.50	42° 18' 45.447" N	83° 57' 41.297" W	PFO	Dexter	Washtenaw, MI	Lima	0.14
W1M-WA-220	77.06	42° 20' 1.690" N	83° 57' 30.725" W	PEM	Dexter	Washtenaw, MI	Lima	2.41
W2K-WA-126	77.45	42° 20' 13.494" N	83° 56' 56.097" W	PEM	Dexter	Washtenaw, MI	Lima	0.25
W2K-WA-128	77.50	42° 20' 15.702" N	83° 56' 53.952" W	PEM	Dexter	Washtenaw, MI	Lima	0.36
W2K-WA-129	77.59	42° 20' 19.989" N	83° 56' 52.598" W	PFO	Dexter	Washtenaw, MI	Lima	5.42
W2K-WA-131	77.68	42° 20' 25.138" N	83° 56' 52.549" W	PSS	Dexter	Washtenaw, MI	Lima	5.01
W2K-WA-131	77.72	42° 20' 27.790" N	83° 56' 53.746" W	PSS	Dexter	Washtenaw, MI	Dexter	0.56
W2K-WA-133	77.72	42° 20' 27.741" N	83° 56' 50.243" W	PSS	Dexter	Washtenaw, MI	Lima	0.03
W2K-WA-133	77.73	42° 20' 29.051" N	83° 56' 52.927" W	PSS	Dexter	Washtenaw, MI	Dexter	2.03
W1M-WA-218	77.99	42° 20' 45.840" N	83° 57' 7.007" W	PFO	Dexter	Washtenaw, MI	Dexter	1.44
W1M-WA-217	78.09	42° 20' 47.956" N	83° 56' 59.124" W	PEM	Dexter	Washtenaw, MI	Dexter	0.28
W1M-WA-215	78.58	42° 21' 13.456" N	83° 56' 56.543" W	PEM	Dexter	Washtenaw, MI	Dexter	0.89
W1M-WA-236	79.11	42° 21' 41.249" N	83° 56' 55.434" W	PFO	Dexter	Washtenaw, MI	Dexter	0.29

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Market Segment, cont'd								
W2K-WA-189	80.50	42° 22' 14.129" N	83° 57' 49.042" W	PFO	Dexter	Washtenaw, MI	Dexter	1.11
W2K-WA-190	80.73	42° 22' 26.240" N	83° 57' 50.981" W	PEM	Dexter	Washtenaw, MI	Dexter	0.92
W2K-WA-191	80.79	42° 22' 29.037" N	83° 57' 54.732" W	PEM	Dexter	Washtenaw, MI	Dexter	1.23
W2K-WA-191	80.87	42° 22' 33.000" N	83° 57' 55.072" W	PEM	Pinckney	Washtenaw, MI	Dexter	4.75
W2K-WA-208	81.12	42° 22' 45.813" N	83° 58' 0.594" W	PEM	Pinckney	Washtenaw, MI	Dexter	0.67
W1M-WA-213	81.60	42° 23' 10.812" N	83° 57' 58.757" W	PFO	Pinckney	Washtenaw, MI	Dexter	5.63
W1M-WA-214	81.93	42° 23' 27.867" N	83° 57' 58.789" W	PEM	Pinckney	Washtenaw, MI	Dexter	0.69
W5K-WA-266	82.69	42° 24' 7.100" N	83° 58' 7.516" W	PEM	Pinckney	Washtenaw, MI	Dexter	0.70
W5K-WA-265	82.73	42° 24' 9.410" N	83° 58' 6.139" W	PEM	Pinckney	Washtenaw, MI	Dexter	0.03
W2K-WA-213	84.00	42° 24' 51.737" N	83° 57' 0.637" W	PFO	Pinckney	Washtenaw, MI	Dexter	6.19
W2K-WA-214	84.16	42° 24' 59.315" N	83° 56' 55.451" W	PSS	Pinckney	Washtenaw, MI	Dexter	1.37
W2K-WA-217	84.50	42° 25' 14.915" N	83° 56' 52.068" W	PSS	Pinckney	Washtenaw, MI	Dexter	1.09
W5K-WA-185	84.54	42° 25' 16.879" N	83° 56' 53.290" W	PFO	Pinckney	Washtenaw, MI	Dexter	0.03
W2K-WA-212	84.71	42° 25' 26.038" N	83° 56' 52.556" W	PFO	Pinckney	Washtenaw, MI	Dexter	0.24
W5K-LI-107	84.73	42° 25' 26.800" N	83° 56' 52.826" W	PFO	Pinckney	Washtenaw, MI	Dexter	0.05
W5K-LI-107	84.73	42° 25' 26.945" N	83° 56' 52.574" W	PFO	Pinckney	Livingston, MI	Dexter	0.02
W5K-LI-107	84.74	42° 25' 27.626" N	83° 56' 51.669" W	PFO	Pinckney	Livingston, MI	Putnam	0.33
W5K-LI-109	84.83	42° 25' 32.076" N	83° 56' 52.042" W	PEM	Pinckney	Livingston, MI	Putnam	0.15
W2K-LI-219	85.49	42° 26' 6.174" N	83° 56' 54.438" W	PEM	Pinckney	Livingston, MI	Putnam	1.44
W5K-LI-112	85.52	42° 26' 7.977" N	83° 56' 54.996" W	PSS	Pinckney	Livingston, MI	Putnam	1.52
W5K-LI-111	85.55	42° 26' 9.152" N	83° 56' 55.146" W	PEM	Pinckney	Livingston, MI	Putnam	1.85
W5K-LI-249	86.46	42° 26' 55.720" N	83° 57' 3.855" W	PEM	Pinckney	Livingston, MI	Putnam	0.28
W2K-LE-237	86.84	42° 27' 7.023" N	83° 57' 23.966" W	PEM	Pinckney	Livingston, MI	Putnam	0.74

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Market Segment, cont'd								
W2K-LI-238	87.18	42° 27' 23.574" N	83° 57' 34.182" W	PSS	Pinckney	Livingston, MI	Putnam	1.40
W2K-LI-238	87.21	42° 27' 25.501" N	83° 57' 32.859" W	PSS	Pinckney	Livingston, MI	Putnam	0.11
W5K-LI-261	89.00	42° 28' 10.500" N	83° 58' 42.625" W	PSS	Pinckney	Livingston, MI	Putnam	0.86
W5K-LI-263	89.02	42° 28' 11.549" N	83° 58' 43.375" W	PSS	Pinckney	Livingston, MI	Putnam	1.04
W5K-LI-119	89.71	42° 28' 6.571" N	83° 59' 25.485" W	PFO	Pinckney	Livingston, MI	Putnam	0.86
W5K-LI-118	89.74	42° 28' 6.383" N	83° 59' 27.425" W	PSS	Pinckney	Livingston, MI	Putnam	1.32
W5K-LI-121	89.77	42° 28' 6.081" N	83° 59' 29.107" W	PSS	Pinckney	Livingston, MI	Putnam	0.57
W2K-LI-220	89.80	42° 28' 6.704" N	83° 59' 31.811" W	PFO	Pinckney	Livingston, MI	Putnam	3.05
W5K-LI-122	89.86	42° 28' 6.427" N	83° 59' 35.757" W	PSS	Pinckney	Livingston, MI	Putnam	1.37
W5K-LI-124	89.87	42° 28' 8.135" N	83° 59' 36.406" W	PSS	Pinckney	Livingston, MI	Putnam	1.12
W2K-LI-223	89.91	42° 28' 6.734" N	83° 59' 45.018" W	PFO	Pinckney	Livingston, MI	Putnam	3.33
W2K-LI-256	90.20	42° 28' 10.115" N	83° 59' 57.529" W	PEM	Pinckney	Livingston, MI	Putnam	2.61
W2K-LI-256	90.25	42° 28' 10.914" N	84° 0' 1.450" W	PEM	Gregory	Livingston, MI	Putnam	1.47
W6K-LI-105	90.32	42° 28' 19.174" N	84° 0' 6.552" W	PFO	Gregory	Livingston, MI	Putnam	0.17
W2K-LI-241	90.73	42° 28' 42.295" N	84° 0' 28.329" W	PSS	Gregory	Livingston, MI	Putnam	1.39
W2K-LI-243	90.80	42° 28' 46.054" N	84° 0' 24.610" W	PEM	Gregory	Livingston, MI	Putnam	0.62
W2K-LI-244	91.31	42° 29' 12.699" N	84° 0' 26.181" W	PEM	Gregory	Livingston, MI	Putnam	1.07
W2K-LI-245	91.65	42° 29' 30.157" N	84° 0' 29.768" W	PEM	Gregory	Livingston, MI	Putnam	10.46
W5K-LI-125	91.76	42° 29' 35.974" N	84° 0' 29.851" W	PSS	Gregory	Livingston, MI	Putnam	1.86
W5K-LI-126	91.89	42° 29' 42.237" N	84° 0' 31.360" W	PFO	Gregory	Livingston, MI	Putnam	2.57
W5K-LI-127	91.90	42° 29' 43.496" N	84° 0' 28.577" W	PEM	Gregory	Livingston, MI	Putnam	2.78
W5K-LI-129	92.34	42° 30' 2.795" N	84° 0' 34.993" W	PEM	Parkers Corners	Livingston, MI	Putnam	0.84
W5K-LI-130	92.55	42° 30' 10.202" N	84° 0' 46.155" W	PSS	Parkers Corners	Livingston, MI	Putnam	4.67

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Market Segment, cont'd								
W1K-LI-289	92.68	42° 30' 14.373" N	84° 0' 53.324" W	PSS	Parkers Corners	Livingston, MI	Putnam	1.01
W1K-LI-288	92.69	42° 30' 13.964" N	84° 0' 54.464" W	PEM	Parkers Corners	Livingston, MI	Putnam	0.84
W1K-LI-285	92.88	42° 30' 20.909" N	84° 1' 4.521" W	PEM	Parkers Corners	Livingston, MI	Putnam	4.72
W1K-LI-283	92.97	42° 30' 23.659" N	84° 1' 9.553" W	PSS	Parkers Corners	Livingston, MI	Putnam	1.79
W5K-LI-250	93.41	42° 30' 39.326" N	84° 1' 24.687" W	PFO	Parkers Corners	Livingston, MI	Marion	1.45
W5K-LI-251	93.45	42° 30' 42.518" N	84° 1' 26.735" W	PFO	Parkers Corners	Livingston, MI	Marion	0.06
W5K-LI-101	93.80	42° 31' 0.745" N	84° 1' 24.391" W	PFO	Parkers Corners	Livingston, MI	Marion	1.07
W5K-LI-178b	93.92	42° 31' 6.979" N	84° 1' 22.249" W	PEM	Parkers Corners	Livingston, MI	Marion	0.09
W5K-LI-178	93.96	42° 31' 8.735" N	84° 1' 25.180" W	PEM	Parkers Corners	Livingston, MI	Marion	5.10
W5K-LI-178a	94.08	42° 31' 15.615" N	84° 1' 27.099" W	PEM	Parkers Corners	Livingston, MI	Marion	0.07
W5K-LI-100	94.35	42° 31' 28.392" N	84° 1' 22.335" W	PEM	Parkers Corners	Livingston, MI	Marion	0.65
W5K-LI-186	94.57	42° 31' 39.682" N	84° 1' 22.260" W	PEM	Parkers Corners	Livingston, MI	Marion	1.39
W2K-LI-247	94.61	42° 31' 42.027" N	84° 1' 22.889" W	PEM	Parkers Corners	Livingston, MI	Marion	0.87
W5K-LI-260	94.71	42° 31' 46.869" N	84° 1' 23.695" W	PEM	Parkers Corners	Livingston, MI	Marion	0.21
W5K-LI-258	94.75	42° 31' 49.427" N	84° 1' 23.084" W	PFO	Parkers Corners	Livingston, MI	Marion	1.13
W2K-LI-248	94.77	42° 31' 50.318" N	84° 1' 23.316" W	PEM	Parkers Corners	Livingston, MI	Marion	0.37
W2K-LI-250	94.83	42° 31' 53.631" N	84° 1' 23.597" W	PEM	Parkers Corners	Livingston, MI	Marion	2.21
W2K-LI-251	95.04	42° 32' 4.887" N	84° 1' 25.506" W	PEM	Parkers Corners	Livingston, MI	Marion	4.31
W4K-LI-298	95.38	42° 32' 18.455" N	84° 1' 40.821" W	PFO	Parkers Corners	Livingston, MI	Marion	0.12
W2K-LI-252	95.91	42° 32' 46.555" N	84° 1' 37.324" W	PFO	Parkers Corners	Livingston, MI	Marion	0.14
W5K-LI-155	96.16	42° 33' 1.426" N	84° 1' 39.058" W	PEM	Parkers Corners	Livingston, MI	Marion	0.85
W2K-LI-253	97.97	42° 34' 26.017" N	84° 1' 40.856" W	PEM	Parkers Corners	Livingston, MI	Marion	4.76
W2K-LI-254	98.08	42° 34' 31.734" N	84° 1' 44.002" W	PEM	Parkers Corners	Livingston, MI	Marion	3.07

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Market Segment, cont'd								
W2K-LI-255	98.22	42° 34' 38.286" N	84° 1' 48.284" W	PEM	Parkers Corners	Livingston, MI	Marion	0.23
W2K-LI-264	99.18	42° 35' 24.003" N	84° 2' 0.670" W	PFO	Parkers Corners	Livingston, MI	Iosco	2.96
W2K-LI-265	99.22	42° 35' 27.125" N	84° 1' 59.140" W	PEM	Parkers Corners	Livingston, MI	Iosco	0.58
W2K-LI-267	100.29	42° 36' 18.506" N	84° 2' 3.897" W	PEM	Parkers Corners	Livingston, MI	Handy	4.25
W5K-LI-133	101.11	42° 37' 5.320" N	84° 2' 6.125" W	PFO	Parkers Corners	Livingston, MI	Handy	1.46
W5K-LI-135	101.16	42° 37' 6.338" N	84° 2' 6.768" W	PEM	Parkers Corners	Livingston, MI	Handy	1.28
W5K-LI-136	101.25	42° 37' 11.898" N	84° 2' 5.851" W	PFO	Parkers Corners	Livingston, MI	Handy	4.51
W5K-LI-137	101.30	42° 37' 14.352" N	84° 2' 9.026" W	PEM	Parkers Corners	Livingston, MI	Handy	0.55
W5K-LI-138	101.59	42° 37' 29.881" N	84° 2' 5.976" W	PFO	Parkers Corners	Livingston, MI	Handy	0.06
W5K-LI-138	101.61	42° 37' 30.750" N	84° 2' 6.301" W	PFO	Fowlerville	Livingston, MI	Handy	0.37
W5K-LI-139	101.63	42° 37' 31.769" N	84° 2' 10.124" W	PEM	Fowlerville	Livingston, MI	Handy	0.19
W5K-LI-140	101.80	42° 37' 45.493" N	84° 2' 8.561" W	PFO	Fowlerville	Livingston, MI	Handy	4.26
W5K-LI-141	101.81	42° 37' 41.036" N	84° 2' 6.189" W	PEM	Fowlerville	Livingston, MI	Handy	0.56
W5K-LI-142	101.84	42° 37' 43.456" N	84° 2' 9.850" W	PSS	Fowlerville	Livingston, MI	Handy	1.09
W5K-LI-143	101.86	42° 37' 44.024" N	84° 2' 8.488" W	PEM	Fowlerville	Livingston, MI	Handy	1.39
W5K-LI-144	101.98	42° 37' 49.774" N	84° 2' 11.170" W	PEM	Fowlerville	Livingston, MI	Handy	0.78
W5K-LI-146	102.15	42° 37' 58.641" N	84° 2' 11.718" W	PEM	Fowlerville	Livingston, MI	Handy	0.34
W5K-LI-145	102.19	42° 38' 0.861" N	84° 2' 9.179" W	PFO	Fowlerville	Livingston, MI	Handy	7.37
W5K-LI-147	102.30	42° 38' 6.562" N	84° 2' 10.138" W	PEM	Fowlerville	Livingston, MI	Handy	1.91
W5K-LI-148	102.31	42° 38' 7.458" N	84° 2' 9.062" W	PSS	Fowlerville	Livingston, MI	Handy	0.74
W5K-LI-149	102.34	42° 38' 8.252" N	84° 2' 9.162" W	PFO	Fowlerville	Livingston, MI	Handy	0.21
W5K-LI-150	102.35	42° 38' 9.283" N	84° 2' 10.129" W	PSS	Fowlerville	Livingston, MI	Handy	0.54
W5K-LI-151	102.45	42° 38' 14.450" N	84° 2' 9.963" W	PEM	Fowlerville	Livingston, MI	Handy	9.05

TABLE 1
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Waters of the U.S. Delineation Report - Wetlands in Michigan

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Market Segment, cont'd								
W5K-LI-153	102.52	42° 38' 19.108" N	84° 2' 7.033" W	PFO	Fowlerville	Livingston, MI	Handy	6.55
W2K-LI-268	102.70	42° 38' 27.800" N	84° 2' 3.824" W	PEM	Fowlerville	Livingston, MI	Handy	3.53
W2K-LI-269	102.77	42° 38' 30.995" N	84° 2' 4.728" W	PSS	Fowlerville	Livingston, MI	Handy	11.39
W2K-LI-269	102.82	42° 38' 32.074" N	84° 1' 58.350" W	PSS	Fowlerville	Livingston, MI	Howell	0.15
W5K-LI-255	102.89	42° 38' 39.980" N	84° 1' 58.705" W	PSS	Fowlerville	Livingston, MI	Howell	2.37
W5K-LI-255	102.97	42° 38' 40.054" N	84° 2' 0.004" W	PSS	Fowlerville	Livingston, MI	Handy	2.42
W2K-LI-270	102.99	42° 38' 40.866" N	84° 2' 6.054" W	PEM	Fowlerville	Livingston, MI	Handy	0.36
W2K-LI-271	103.08	42° 38' 45.424" N	84° 2' 7.786" W	PSS	Fowlerville	Livingston, MI	Handy	3.04
W2K-LI-274	103.22	42° 38' 53.191" N	84° 2' 6.877" W	PFO	Fowlerville	Livingston, MI	Handy	8.12
W5K-LI-256	103.40	42° 39' 2.856" N	84° 2' 0.127" W	PFO	Fowlerville	Livingston, MI	Howell	0.58
W6K-LI-103	104.66	42° 39' 50.616" N	84° 1' 29.126" W	PFO	Fowlerville	Livingston, MI	Howell	1.24
W1ST-LI-101	105.13	42° 40' 13.227" N	84° 1' 30.045" W	PFO	Fowlerville	Livingston, MI	Howell	2.11
WST1-LI-102	105.29	42° 40' 21.682" N	84° 1' 29.074" W	PFO	Fowlerville	Livingston, MI	Howell	0.09
WST1-LI-103	105.30	42° 40' 22.087" N	84° 1' 29.849" W	PSS	Fowlerville	Livingston, MI	Howell	0.35
WST1-LI-104	105.38	42° 40' 27.558" N	84° 1' 30.391" W	PFO	Fowlerville	Livingston, MI	Howell	2.36
WST1-LI-105	105.53	42° 40' 34.073" N	84° 1' 30.245" W	PFO	Fowlerville	Livingston, MI	Howell	0.51
W1ST-LI-106	106.72	42° 41' 36.318" N	84° 1' 28.588" W	PSS	Fowlerville	Livingston, MI	Cohoctah	0.09
W1ST-LI-107	106.89	42° 41' 45.120" N	84° 1' 32.949" W	PSS	Fowlerville	Livingston, MI	Cohoctah	6.05
W1ST-LI-108	107.10	42° 41' 56.200" N	84° 1' 30.999" W	PEM	Fowlerville	Livingston, MI	Cohoctah	1.50
W5K-LI-159	107.26	42° 42' 7.409" N	84° 1' 31.793" W	PFO	Fowlerville	Livingston, MI	Cohoctah	4.48
W5K-LI-161	107.68	42° 42' 26.112" N	84° 1' 32.216" W	PEM	Fowlerville	Livingston, MI	Cohoctah	0.77
W5K-LI-162	107.99	42° 42' 42.176" N	84° 1' 33.282" W	PFO	Fowlerville	Livingston, MI	Cohoctah	0.01
W2K-LI-308	107.99	42° 42' 42.546" N	84° 1' 33.857" W	PFO	Fowlerville	Livingston, MI	Cohoctah	0.14

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Market Segment, cont'd								
W5K-LI-163	108.14	42° 42' 50.266" N	84° 1' 33.658" W	PEM	Fowlerville	Livingston, MI	Cohoctah	1.97
W5K-LI-164	108.34	42° 43' 0.783" N	84° 1' 35.650" W	PEM	Fowlerville	Livingston, MI	Cohoctah	9.02
W6K-LI-109	108.46	42° 43' 6.738" N	84° 1' 33.804" W	PSS	Fowlerville	Livingston, MI	Cohoctah	2.24
W6K-LI-111	108.60	42° 43' 13.985" N	84° 1' 33.975" W	PFO	Fowlerville	Livingston, MI	Cohoctah	4.53
W6K-LI-113	108.62	42° 43' 14.680" N	84° 1' 36.379" W	PEM	Fowlerville	Livingston, MI	Cohoctah	1.31
W6K-LI-113	108.66	42° 43' 17.810" N	84° 1' 35.443" W	PEM	Fowlerville	Livingston, MI	Cohoctah	1.73
W6K-LI-113	108.66	42° 43' 17.690" N	84° 1' 32.408" W	PEM	Fowlerville	Livingston, MI	Cohoctah	0.73
W6K-LI-114	108.72	42° 43' 20.448" N	84° 1' 35.060" W	PFO	Fowlerville	Livingston, MI	Cohoctah	3.24
W6K-LI-115	108.90	42° 43' 30.399" N	84° 1' 35.354" W	PFO	Fowlerville	Livingston, MI	Cohoctah	4.19
W6K-LI-116	109.83	42° 44' 14.280" N	84° 1' 16.327" W	PFO	Fowlerville	Livingston, MI	Cohoctah	2.55
W5K-SH-157	113.29	42° 46' 55.602" N	84° 0' 20.393" W	PEM	Corunna SE	Shiawassee, MI	Burns	0.22
W6K-SH-119	113.86	42° 47' 24.921" N	84° 0' 13.222" W	PSS	Corunna SE	Shiawassee, MI	Burns	2.20
W6K-SH-118	114.17	42° 47' 39.666" N	84° 0' 13.268" W	PEM	Corunna SE	Shiawassee, MI	Burns	0.91
W6K-SH-117	114.36	42° 47' 47.779" N	84° 0' 1.557" W	PEM	Corunna SE	Shiawassee, MI	Burns	8.54
W6K-SH-117	114.61	42° 47' 55.859" N	83° 59' 58.226" W	PEM	Byron	Shiawassee, MI	Burns	10.00
W5K-SH-188	114.80	42° 48' 5.520" N	83° 59' 56.899" W	PEM	Byron	Shiawassee, MI	Burns	2.91
W5K-SH-188	114.84	42° 48' 8.191" N	84° 0' 0.024" W	PEM	Corunna SE	Shiawassee, MI	Burns	0.00
W5K-SH-165	115.06	42° 48' 17.868" N	83° 59' 48.001" W	PEM	Byron	Shiawassee, MI	Burns	3.20
W5K-SH-166	115.25	42° 48' 26.477" N	83° 59' 43.026" W	PEM	Byron	Shiawassee, MI	Burns	3.69
W5K-SH-167	115.35	42° 48' 31.484" N	83° 59' 42.637" W	PEM	Byron	Shiawassee, MI	Burns	0.32
W5K-SH-168	115.67	42° 48' 46.026" N	83° 59' 33.273" W	PEM	Byron	Shiawassee, MI	Burns	1.56
W5K-SH-170	115.73	42° 48' 49.560" N	83° 59' 32.324" W	PEM	Byron	Shiawassee, MI	Burns	0.13
W1ST-SH-109	116.44	42° 49' 24.400" N	83° 59' 25.267" W	PEM	Byron	Shiawassee, MI	Burns	1.45

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Market Segment, cont'd								
W1ST-SH-110	116.52	42° 49' 28.671" N	83° 59' 24.111" W	PEM	Byron	Shiawassee, MI	Burns	1.14
W1ST-SH-111	116.75	42° 49' 34.106" N	83° 59' 15.465" W	PEM	Byron	Shiawassee, MI	Burns	0.06
W1ST-SH-112	116.80	42° 49' 35.432" N	83° 59' 10.772" W	PEM	Byron	Shiawassee, MI	Burns	0.33
W2K-SH-305	117.26	42° 49' 41.581" N	83° 58' 40.335" W	PFO	Byron	Shiawassee, MI	Burns	1.15
W2K-SH-306	117.41	42° 49' 44.200" N	83° 58' 31.286" W	PEM	Byron	Shiawassee, MI	Burns	0.12
W1ST-SH-114	118.15	42° 50' 19.840" N	83° 58' 13.135" W	PEM	Byron	Shiawassee, MI	Burns	0.22
W6K-SH-120	119.01	42° 50' 47.199" N	83° 57' 34.196" W	PFO	Byron	Shiawassee, MI	Burns	0.25
W6K-SH-121	119.10	42° 50' 49.830" N	83° 57' 28.539" W	PEM	Byron	Shiawassee, MI	Burns	0.61
W6K-SH-123	119.25	42° 50' 50.241" N	83° 57' 17.778" W	PSS	Byron	Shiawassee, MI	Burns	1.19
W6K-SH-124	119.70	42° 50' 53.436" N	83° 56' 47.666" W	PEM	Byron	Shiawassee, MI	Burns	0.82
W5K-SH-174	119.84	42° 50' 56.155" N	83° 56' 37.385" W	PSS	Byron	Shiawassee, MI	Burns	0.07
W5K-SH-173	119.94	42° 50' 56.105" N	83° 56' 29.993" W	PFO	Byron	Shiawassee, MI	Burns	2.77
W2TB-SH-371	120.08	42° 50' 57.638" N	83° 56' 20.625" W	PFO	Byron	Shiawassee, MI	Burns	0.56
W5K-SH-175	120.16	42° 50' 57.446" N	83° 56' 15.983" W	PFO	Byron	Shiawassee, MI	Burns	0.70
W2K-SH-304	120.20	42° 50' 57.886" N	83° 56' 12.527" W	PFO	Byron	Shiawassee, MI	Burns	0.51
W5K-SH-177	120.52	42° 51' 0.631" N	83° 55' 50.112" W	PFO	Byron	Shiawassee, MI	Burns	1.21
W5K-SH-176	120.58	42° 51' 1.821" N	83° 55' 45.464" W	PEM	Byron	Shiawassee, MI	Burns	0.45
W5K-GE-238	121.12	42° 51' 11.851" N	83° 55' 14.301" W	PFO	Byron	Genesee, MI	Argentine	2.62
W5K-GE-243	123.02	42° 51' 41.555" N	83° 53' 14.183" W	PSS	Byron	Genesee, MI	Argentine	0.98
W5K-GE-244	123.06	42° 51' 43.927" N	83° 53' 13.960" W	PEM	Byron	Genesee, MI	Argentine	0.16
W5K-GE-245	123.21	42° 51' 44.124" N	83° 53' 4.325" W	PEM	Byron	Genesee, MI	Argentine	4.40
W5K-GE-247	124.04	42° 51' 45.832" N	83° 52' 5.818" W	PEM	Linden	Genesee, MI	Argentine	0.46
W1ST-GE-115	124.08	42° 51' 18.167" N	83° 52' 3.218" W	PEM	Linden	Genesee, MI	Argentine	0.21

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Market Segment, cont'd								
W6K-GE-126	124.99	42° 51' 41.831" N	83° 50' 58.138" W	PEM	Linden	Genesee, MI	Argentine	6.22
W6K-GE-127	125.12	42° 51' 45.283" N	83° 50' 50.538" W	PSS	Linden	Genesee, MI	Argentine	0.87
W6K-GE-129	125.45	42° 51' 45.191" N	83° 50' 27.158" W	PEM	Linden	Genesee, MI	Argentine	0.05
W5K-GE-222	125.61	42° 51' 46.319" N	83° 50' 15.353" W	PFO	Linden	Genesee, MI	Argentine	0.22
W5K-GE-223	125.70	42° 51' 46.497" N	83° 50' 9.105" W	PEM	Linden	Genesee, MI	Argentine	0.56
W5K-GE-224	125.76	42° 51' 47.280" N	83° 50' 5.087" W	PEM	Linden	Genesee, MI	Argentine	0.25
W5K-GE-225	125.89	42° 51' 47.809" N	83° 49' 55.638" W	PSS	Linden	Genesee, MI	Argentine	1.49
W2K-GE-301	125.96	42° 51' 47.226" N	83° 49' 50.548" W	PEM	Linden	Genesee, MI	Argentine	0.68
W2K-GE-300	126.08	42° 51' 49.033" N	83° 49' 42.365" W	PEM	Linden	Genesee, MI	Argentine	0.28
W6K-GE-131	126.10	42° 51' 48.652" N	83° 49' 41.655" W	PFO	Linden	Genesee, MI	Argentine	2.41
W6K-GE-132	126.18	42° 51' 48.638" N	83° 49' 35.611" W	PEM	Linden	Genesee, MI	Argentine	4.41
W6K-GE-134	126.54	42° 51' 46.976" N	83° 49' 9.694" W	PFO	Linden	Genesee, MI	Argentine	0.49
W2K-GE-277	127.39	42° 51' 36.082" N	83° 48' 12.238" W	PSS	Linden	Genesee, MI	Fenton	0.54
W2K-GE-279	127.47	42° 51' 36.038" N	83° 48' 6.048" W	PSS	Linden	Genesee, MI	Fenton	2.98
W2K-GE-280	127.59	42° 51' 39.059" N	83° 47' 56.795" W	PSS	Linden	Genesee, MI	Fenton	0.79
W2K-GE-283	127.74	42° 51' 40.589" N	83° 47' 47.943" W	PSS	Linden	Genesee, MI	Fenton	0.96
W2K-GE-282	127.78	42° 51' 41.411" N	83° 47' 44.838" W	PFO	Linden	Genesee, MI	Fenton	0.62
W2K-GE-284	127.86	42° 51' 43.880" N	83° 47' 40.711" W	PFO	Linden	Genesee, MI	Fenton	0.09
W2K-GE-285	127.86	42° 51' 46.058" N	83° 47' 43.867" W	PFO	Linden	Genesee, MI	Fenton	0.04
W2K-GE-287	127.93	42° 51' 47.443" N	83° 47' 38.061" W	PFO	Linden	Genesee, MI	Fenton	0.50
W2K-GE-288	127.96	42° 51' 49.753" N	83° 47' 38.999" W	PFO	Linden	Genesee, MI	Fenton	0.72
W2K-GE-275	128.41	42° 51' 54.664" N	83° 47' 9.079" W	PSS	Linden	Genesee, MI	Fenton	9.28
W6K-GE-138	128.61	42° 51' 52.492" N	83° 46' 56.353" W	PSS	Linden	Genesee, MI	Fenton	1.33

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Market Segment, cont'd								
W6K-GE-137	128.67	42° 51' 52.468" N	83° 46' 52.283" W	PEM	Linden	Genesee, MI	Fenton	3.15
W6K-GE-136	128.75	42° 51' 50.634" N	83° 46' 46.371" W	PFO	Linden	Genesee, MI	Fenton	0.67
W5K-GE-226	129.47	42° 52' 2.240" N	83° 45' 59.067" W	PSS	Linden	Genesee, MI	Fenton	0.09
W2K-GE-309	129.90	42° 52' 7.481" N	83° 45' 31.834" W	PSS	Linden	Genesee, MI	Fenton	0.63
W2K-GE-311	130.58	42° 52' 39.583" N	83° 45' 19.993" W	PFO	Swartz Creek	Genesee, MI	Mundy	0.12
W2K-GE-310	130.62	42° 52' 40.119" N	83° 45' 17.457" W	PFO	Swartz Creek	Genesee, MI	Mundy	0.74
W1ST-GE-118	131.26	42° 52' 38.988" N	83° 44' 30.663" W	PFO	Flint South	Genesee, MI	Mundy	0.43
W1ST-GE-117	131.52	42° 52' 40.380" N	83° 44' 12.739" W	PFO	Flint South	Genesee, MI	Mundy	0.86
W1ST-GE-116	131.82	42° 52' 37.032" N	83° 43' 52.825" W	PEM	Flint South	Genesee, MI	Mundy	0.10
W2K-GE-386	131.98	42° 52' 35.821" N	83° 43' 43.152" W	PFO	Flint South	Genesee, MI	Mundy	0.26
W2K-GE-313	132.91	42° 52' 37.102" N	83° 42' 37.381" W	PFO	Flint South	Genesee, MI	Mundy	0.37
W5K-GE-237	133.01	42° 52' 37.022" N	83° 42' 30.308" W	PEM	Flint South	Genesee, MI	Mundy	1.20
W1ST-GE-119	133.39	42° 52' 42.520" N	83° 42' 4.336" W	PFO	Flint South	Genesee, MI	Mundy	1.12
W2K-GE-382	133.66	42° 52' 41.379" N	83° 41' 46.228" W	PEM	Flint South	Genesee, MI	Mundy	0.12
W1ST-GE-120	133.66	42° 52' 41.861" N	83° 41' 46.523" W	PSS	Flint South	Genesee, MI	Mundy	0.09
W1ST-GE-121	133.67	42° 52' 42.362" N	83° 41' 44.943" W	PEM	Flint South	Genesee, MI	Mundy	0.25
W2K-GE-317	133.98	42° 52' 40.182" N	83° 41' 23.126" W	PFO	Flint South	Genesee, MI	Mundy	0.14
W2K-GE-317	134.00	42° 52' 40.792" N	83° 41' 22.040" W	PFO	Flint South	Genesee, MI	Grand Blanc	0.25
W5K-GE-197	134.81	42° 52' 38.499" N	83° 40' 26.266" W	PFO	Flint South	Genesee, MI	Grand Blanc	4.19
W5K-GE-198	135.22	42° 52' 25.791" N	83° 40' 3.148" W	PEM	Fenton	Genesee, MI	Grand Blanc	1.77
W5K-OA-190	135.71	42° 52' 9.910" N	83° 39' 35.041" W	PEM	Fenton	Oakland, MI	Holly	0.63
W2K-OA-292	136.05	42° 52' 2.088" N	83° 39' 14.464" W	PSS	Fenton	Oakland, MI	Holly	0.11
W2K-OA-291	137.31	42° 51' 59.076" N	83° 37' 46.077" W	PFO	Fenton	Oakland, MI	Holly	1.24

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Market Segment, cont'd								
W5K-OA-212	137.33	42° 52' 0.104" N	83° 37' 43.944" W	PFO	Fenton	Oakland, MI	Holly	3.08
W5K-OA-214	137.50	42° 52' 1.564" N	83° 37' 33.016" W	PSS	Fenton	Oakland, MI	Holly	0.25
W5K-OA-227	138.78	42° 52' 3.808" N	83° 36' 1.780" W	PFO	Davisburg	Oakland, MI	Holly	0.04
W5K-OA-228	138.94	42° 52' 3.538" N	83° 35' 50.185" W	PFO	Davisburg	Oakland, MI	Holly	6.13
W5K-OA-192	139.05	42° 52' 3.410" N	83° 35' 42.682" W	PEM	Davisburg	Oakland, MI	Holly	2.60
W5K-OA-191	139.10	42° 52' 3.567" N	83° 35' 39.273" W	PSS	Davisburg	Oakland, MI	Holly	1.93
W5K-OA-194	139.33	42° 52' 3.533" N	83° 35' 22.902" W	PEM	Davisburg	Oakland, MI	Holly	0.37
W5K-OA-193	139.45	42° 51' 57.928" N	83° 35' 17.763" W	PFO	Davisburg	Oakland, MI	Holly	0.50
W2TB-OA-409	140.28	42° 47' 3.192" N	83° 32' 35.912" W	PEM	Davisburg	Oakland, MI	Springfield	0.21
W2TB-OA-410	140.28	42° 47' 19.389" N	83° 32' 36.510" W	PFO	Davisburg	Oakland, MI	Groveland	0.08
W2K-OA-363	140.40	42° 51' 53.822" N	83° 34' 14.537" W	PFO	Davisburg	Oakland, MI	Holly	0.00
W2K-OA-363	140.41	42° 51' 53.645" N	83° 34' 14.093" W	PFO	Davisburg	Oakland, MI	Groveland	0.09
W2K-OA-364	140.43	42° 51' 52.911" N	83° 34' 12.400" W	PEM	Davisburg	Oakland, MI	Groveland	0.55
W2K-OA-365	140.61	42° 51' 59.054" N	83° 34' 3.050" W	PFO	Davisburg	Oakland, MI	Groveland	0.06
W2K-OA-366	140.68	42° 51' 59.370" N	83° 33' 58.276" W	PFO	Davisburg	Oakland, MI	Groveland	1.99
W5K-OA-218	141.30	42° 52' 15.827" N	83° 33' 19.792" W	PEM	Davisburg	Oakland, MI	Groveland	0.08
W5K-OA-217	141.38	42° 52' 17.599" N	83° 33' 15.140" W	PFO	Davisburg	Oakland, MI	Groveland	0.52
W5K-OA-216	141.43	42° 52' 20.959" N	83° 33' 13.053" W	PEM	Davisburg	Oakland, MI	Groveland	0.56
W2K-OA-289	141.62	42° 52' 21.616" N	83° 32' 59.988" W	PEM	Davisburg	Oakland, MI	Groveland	3.15
W2K-OA-293	141.72	42° 52' 25.219" N	83° 32' 54.559" W	PFO	Davisburg	Oakland, MI	Groveland	2.17
W2K-GE-297	142.23	42° 52' 36.049" N	83° 32' 23.242" W	PEM	Goodrich	Genesee, MI	Atlas	0.06
W2K-GE-373	145.73	42° 52' 46.327" N	83° 28' 19.508" W	PSS	Hadley	Genesee, MI	Atlas	0.51
W2K-GE-374	145.99	42° 52' 49.942" N	83° 28' 8.254" W	PSS	Hadley	Genesee, MI	Atlas	3.28

TABLE 1
Rover Pipeline Project - Market Segment
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Waters of the U.S. Delineation Report - Wetlands in Michigan

Wetland ID	Approx. MP	Latitude	Longitude	Type	USGS Quad	County, State	Township	Delineated Acres
Market Segment, cont'd								
W2TB-LA-314	150.05	42° 55' 28.282" N	83° 26' 44.309" W	PEM	Hadley	Lapeer, MI	Hadley	2.66
W2TB-LA-313	150.55	42° 55' 36.506" N	83° 26' 11.051" W	PFO	Hadley	Lapeer, MI	Hadley	0.50
W2TB-LA-311	150.59	42° 55' 38.723" N	83° 26' 9.919" W	PFO	Hadley	Lapeer, MI	Hadley	1.86
W2TB-LA-309	150.73	42° 55' 43.368" N	83° 26' 2.169" W	PFO	Hadley	Lapeer, MI	Hadley	0.74
W2TB-LA-316	151.15	42° 55' 50.801" N	83° 25' 34.652" W	PFO	Hadley	Lapeer, MI	Hadley	0.06
W2TB-LA-317	151.29	42° 55' 52.107" N	83° 25' 24.221" W	PSS	Hadley	Lapeer, MI	Hadley	1.05
W2TB-LA-319	152.31	42° 56' 2.003" N	83° 24' 20.947" W	PEM	Hadley	Lapeer, MI	Hadley	0.70
W5K-LA-205	153.16	42° 56' 12.078" N	83° 23' 22.761" W	PSS	Hadley	Lapeer, MI	Hadley	0.30
W2TB-LA-365	153.18	42° 56' 11.903" N	83° 23' 21.735" W	PEM	Hadley	Lapeer, MI	Hadley	0.13
W2TB-LA-366	153.30	42° 56' 14.420" N	83° 23' 15.255" W	PEM	Hadley	Lapeer, MI	Hadley	0.68
W2TB-LA-367	153.37	42° 56' 16.053" N	83° 23' 9.224" W	PSS	Hadley	Lapeer, MI	Hadley	0.53
W5K-LA-229	153.88	42° 56' 28.058" N	83° 22' 38.299" W	PEM	Hadley	Lapeer, MI	Hadley	0.07
W2TB-LA-320	154.11	42° 56' 35.772" N	83° 22' 25.820" W	PFO	Metamora	Lapeer, MI	Hadley	0.72
W5K-LA-234	154.44	42° 56' 44.814" N	83° 22' 6.858" W	PFO	Metamora	Lapeer, MI	Hadley	0.53
W5K-LA-230	154.52	42° 56' 44.995" N	83° 21' 59.830" W	PSS	Metamora	Lapeer, MI	Hadley	0.60
W2TB-LA-369	154.53	42° 56' 43.292" N	83° 21' 59.678" W	PEM	Metamora	Lapeer, MI	Hadley	0.47
W2TB-LA-321	154.55	42° 56' 45.519" N	83° 21' 58.013" W	PEM	Metamora	Lapeer, MI	Hadley	0.14
W5K-LA-236	154.62	42° 56' 45.456" N	83° 21' 53.326" W	PEM	Metamora	Lapeer, MI	Hadley	0.04
W2K-LA-372	154.77	42° 56' 52.567" N	83° 21' 46.982" W	PEM	Metamora	Lapeer, MI	Hadley	0.10
W2K-LA-371	154.87	42° 56' 54.908" N	83° 21' 39.663" W	PEM	Metamora	Lapeer, MI	Hadley	0.47
W5K-LA-206	155.67	42° 57' 21.426" N	83° 21' 6.798" W	PEM	Metamora	Lapeer, MI	Hadley	0.06
W5K-LA-208	155.70	42° 57' 22.779" N	83° 21' 6.190" W	PEM	Metamora	Lapeer, MI	Hadley	0.02
W5K-LA-209	155.71	42° 57' 23.437" N	83° 21' 5.541" W	PSS	Metamora	Lapeer, MI	Hadley	0.04

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Waters of the U.S. Delineation Report - Wetlands in Michigan

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Market Segment, cont'd								
W5K-LA-210	155.73	42° 57' 24.443" N	83° 21' 6.314" W	PEM	Metamora	Lapeer, MI	Hadley	0.15
W5K-LA-211	155.75	42° 57' 25.775" N	83° 21' 6.817" W	PEM	Metamora	Lapeer, MI	Hadley	0.04
W2TB-LA-322	156.54	42° 57' 57.108" N	83° 20' 38.871" W	PFO	Metamora	Lapeer, MI	Hadley	0.55
W2TB-LA-324	157.25	42° 58' 26.164" N	83° 20' 21.684" W	PEM	Metamora	Lapeer, MI	Lapeer	0.39
W2TB-LA-325	157.34	42° 58' 28.545" N	83° 20' 15.620" W	PFO	Metamora	Lapeer, MI	Lapeer	0.31
W2TB-LA-326	157.49	42° 58' 33.985" N	83° 20' 8.065" W	PFO	Metamora	Lapeer, MI	Lapeer	6.19
W2TB-LA-331	158.82	42° 58' 45.826" N	83° 18' 40.209" W	PFO	Metamora	Lapeer, MI	Lapeer	4.49
W2TB-LA-328	159.02	42° 58' 42.094" N	83° 18' 26.387" W	PEM	Metamora	Lapeer, MI	Lapeer	0.39
W2TB-LA-330	159.10	42° 58' 41.888" N	83° 18' 20.946" W	PEM	Metamora	Lapeer, MI	Lapeer	0.51
W2K-LA-362	162.38	42° 58' 47.038" N	83° 14' 29.013" W	PFO	Thornville	Lapeer, MI	Lapeer	0.13
W5K-LA-196	163.00	42° 58' 47.188" N	83° 13' 45.350" W	PFO	Thornville	Lapeer, MI	Lapeer	2.31
W5K-LA-195	163.24	42° 58' 46.971" N	83° 13' 26.486" W	PSS	Thornville	Lapeer, MI	Lapeer	1.44
W5K-LA-196	165.34	42° 58' 39.195" N	83° 10' 58.421" W	PEM	Thornville	Lapeer, MI	Attica	0.27
W2TB-LA-341	166.57	42° 58' 48.342" N	83° 9' 31.670" W	PFO	Thornville	Lapeer, MI	Attica	8.60
W2TB-LA-376	166.71	42° 58' 53.668" N	83° 9' 21.851" W	PEM	Thornville	Lapeer, MI	Attica	1.70
W2TB-LA-372	166.86	42° 58' 59.950" N	83° 9' 11.699" W	PEM	Thornville	Lapeer, MI	Attica	0.18
W2TB-LA-373	166.94	42° 58' 59.224" N	83° 9' 6.701" W	PFO	Thornville	Lapeer, MI	Attica	0.08
W2TB-LA-374	167.05	42° 59' 3.176" N	83° 9' 0.944" W	PFO	Thornville	Lapeer, MI	Attica	0.89
W2TB-LA-375	167.14	42° 59' 5.002" N	83° 8' 55.704" W	PSS	Thornville	Lapeer, MI	Attica	0.07
W2TB-LA-339	167.45	42° 59' 22.344" N	83° 8' 54.535" W	PFO	Thornville	Lapeer, MI	Attica	4.46
W2TB-LA-337	167.64	42° 59' 31.209" N	83° 8' 51.919" W	PEM	Thornville	Lapeer, MI	Attica	0.06
W2TB-LA-338	167.67	42° 59' 32.859" N	83° 8' 51.766" W	PEM	Thornville	Lapeer, MI	Attica	0.37
W2TB-LA-336	167.98	42° 59' 45.095" N	83° 8' 40.743" W	PEM	Thornville	Lapeer, MI	Attica	0.16

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Waters of the U.S. Delineation Report - Wetlands in Michigan

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Market Segment, cont'd								
W2TB-LA-335A	167.99	42° 59' 44.704" N	83° 8' 39.662" W	PEM	Thornville	Lapeer, MI	Attica	0.08
W2TB-LA-335	168.04	42° 59' 45.041" N	83° 8' 35.957" W	PEM	Thornville	Lapeer, MI	Attica	1.47
W2TB-LA-332	168.08	42° 59' 43.358" N	83° 8' 33.114" W	PSS	Thornville	Lapeer, MI	Attica	4.49
W2TB-LA-334	168.16	42° 59' 42.484" N	83° 8' 28.340" W	PFO	Thornville	Lapeer, MI	Attica	1.92
W2K-LA-357	168.21	42° 59' 42.272" N	83° 8' 24.437" W	PFO	Thornville	Lapeer, MI	Attica	3.50
W2TB-LA-385	168.29	42° 59' 40.999" N	83° 8' 19.418" W	PFO	Thornville	Lapeer, MI	Attica	3.71
W2TB-LA-342	170.32	42° 59' 46.233" N	83° 5' 59.656" W	PFO	Almont	Lapeer, MI	Imlay	0.23
W2TB-LA-347	170.95	42° 59' 50.969" N	83° 5' 17.624" W	PEM	Almont	Lapeer, MI	Imlay	4.73
W2TB-LA-348	170.97	42° 59' 52.890" N	83° 5' 14.293" W	PFO	Almont	Lapeer, MI	Imlay	2.74
W2K-LA-368	171.09	42° 59' 48.781" N	83° 5' 7.351" W	PEM	Almont	Lapeer, MI	Imlay	0.68
W2K-LA-319	171.93	42° 59' 33.353" N	83° 4' 11.732" W	PEM	Almont	Lapeer, MI	Imlay	0.94
W2K-LA-320	172.09	42° 59' 27.436" N	83° 4' 2.476" W	PEM	Almont	Lapeer, MI	Imlay	2.53
W2K-LA-320	172.16	42° 59' 25.234" N	83° 3' 59.537" W	PEM	Almont	Lapeer, MI	Imlay	0.35
W2K-LA-329	172.51	42° 59' 14.046" N	83° 3' 40.674" W	PSS	Almont	Lapeer, MI	Imlay	2.05
W1ST-LA-144	172.55	42° 59' 16.106" N	83° 3' 35.784" W	PFO	Almont	Lapeer, MI	Imlay	0.61
W1ST-LA-145	172.61	42° 59' 14.002" N	83° 3' 32.531" W	PEM	Almont	Lapeer, MI	Imlay	0.46
W1ST-LA-147	173.12	42° 58' 59.550" N	83° 3' 1.864" W	PEM	Almont	Lapeer, MI	Imlay	0.12
W2K-LA-354	174.47	42° 58' 33.778" N	83° 1' 36.318" W	PFO	Almont	Lapeer, MI	Almont	9.27
W1ST-LA-125	174.75	42° 58' 25.397" N	83° 1' 19.753" W	PFO	Almont	Lapeer, MI	Almont	1.88
W2K-LA-325	175.83	42° 58' 9.955" N	83° 0' 11.509" W	PEM	Almont	Lapeer, MI	Almont	0.23
W2K-LA-327	176.11	42° 57' 56.015" N	83° 0' 8.016" W	PFO	Almont	Lapeer, MI	Almont	0.92
W2TB-LA-380	176.87	42° 57' 41.531" N	82° 59' 17.160" W	PFO	Allenton	Lapeer, MI	Almont	7.63
W2K-SC-337	177.09	42° 57' 34.075" N	82° 59' 4.834" W	PEM	Allenton	St Clair, MI	Berlin	0.83

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Waters of the U.S. Delineation Report - Wetlands in Michigan

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Market Segment, cont'd								
W2K-SC-339	177.44	42° 57' 27.405" N	82° 58' 41.976" W	PSS	Allenton	St Clair, MI	Berlin	0.18
W2K-SC-352	177.60	42° 57' 22.902" N	82° 58' 32.099" W	PEM	Allenton	St Clair, MI	Berlin	0.98
W2K-SC-353	177.60	42° 57' 21.894" N	82° 58' 32.257" W	PFO	Allenton	St Clair, MI	Berlin	0.62
W2K-SC-351	177.70	42° 57' 22.358" N	82° 58' 24.831" W	PFO	Allenton	St Clair, MI	Berlin	2.33
W2TB-SC-401	178.33	42° 57' 6.170" N	82° 57' 45.776" W	PFO	Allenton	St Clair, MI	Berlin	5.71
W1ST-SC-136	178.44	42° 57' 3.100" N	82° 57' 39.482" W	PEM	Allenton	St Clair, MI	Berlin	0.24
W1ST-SC-137	178.53	42° 56' 59.359" N	82° 57' 34.864" W	PEM	Allenton	St Clair, MI	Berlin	0.05
W1ST-SC-134	179.02	42° 56' 50.069" N	82° 57' 2.934" W	PEM	Allenton	St Clair, MI	Berlin	0.01
W1ST-SC-133	179.06	42° 56' 46.528" N	82° 57' 1.716" W	PEM	Allenton	St Clair, MI	Berlin	0.12
W2K-SC-358	180.05	42° 56' 37.257" N	82° 55' 54.873" W	PSS	Allenton	St Clair, MI	Berlin	0.93
W1ST-SC-143	180.60	42° 56' 26.357" N	82° 55' 20.907" W	PFO	Allenton	St Clair, MI	Berlin	9.67
W1ST-SC-141	180.78	42° 56' 21.808" N	82° 55' 9.806" W	PSS	Allenton	St Clair, MI	Berlin	2.08
W1ST-SC-142	180.83	42° 56' 20.458" N	82° 55' 6.854" W	PEM	Allenton	St Clair, MI	Berlin	0.15
W2TB-SC-390	180.93	42° 56' 17.056" N	82° 55' 1.965" W	PFO	Allenton	St Clair, MI	Berlin	8.53
W2TB-SC-388	181.43	42° 56' 7.385" N	82° 54' 28.987" W	PEM	Allenton	St Clair, MI	Berlin	0.16
W2TB-SC-387	181.55	42° 56' 5.726" N	82° 54' 20.555" W	PSS	Allenton	St Clair, MI	Berlin	0.21
W2TB-SC-391	181.88	42° 55' 57.858" N	82° 54' 3.434" W	PFO	Allenton	St Clair, MI	Berlin	0.72
W2TB-SC-392	183.35	42° 55' 10.101" N	82° 52' 54.966" W	PFO	Allenton	St Clair, MI	Berlin	5.23
W2TB-SC-343	184.45	42° 54' 28.543" N	82° 52' 15.920" W	PEM	Memphis	St Clair, MI	Berlin	4.32
W2TB-SC-344	184.60	42° 54' 23.878" N	82° 52' 10.151" W	PSS	Memphis	St Clair, MI	Berlin	4.05
W2TB-SC-356	186.88	42° 53' 43.626" N	82° 50' 8.007" W	PEM	Memphis	Macomb, MI	Riley	0.13
W2TB-MA-349	189.32	42° 53' 4.772" N	82° 47' 35.349" W	PEM	Memphis	Macomb, MI	Richmond	0.14
W2TB-MA-381	191.48	42° 52' 18.830" N	82° 45' 27.608" W	PEM	Richmond	Macomb, MI	Richmond	0.09

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Market Segment, cont'd								
W2TB-MA-382	191.73	42° 52' 19.156" N	82° 45' 10.019" W	PEM	Richmond	Macomb, MI	Richmond	0.10
W2TB-MA-383	192.04	42° 52' 18.993" N	82° 44' 48.014" W	PEM	Adair	Macomb, MI	Richmond	0.58
W2TB-MA-384	192.19	42° 52' 20.460" N	82° 44' 37.376" W	PEM	Adair	Macomb, MI	Richmond	0.08
W2K-MA-333	192.33	42° 52' 20.085" N	82° 44' 27.590" W	PFO	Adair	Macomb, MI	Richmond	2.37
W2K-MA-333	192.42	42° 52' 19.758" N	82° 44' 21.254" W	PFO	Adair	Macomb, MI	Richmond	2.61
W2K-MA-333	192.49	42° 52' 19.975" N	82° 44' 16.285" W	PFO	Adair	St Clair, MI	Richmond	1.71
W2K-MA-333	192.52	42° 52' 20.039" N	82° 44' 14.274" W	PFO	Adair	St Clair, MI	Columbus	0.06
W2TB-SC-405	192.58	42° 52' 18.130" N	82° 44' 9.716" W	PFO	Adair	St Clair, MI	Columbus	0.57
W2K-SC-347	192.84	42° 52' 19.986" N	82° 43' 51.367" W	PFO	Adair	St Clair, MI	Columbus	2.05
W2TB-SC-406	194.18	42° 52' 2.920" N	82° 42' 42.993" W	PEM	Adair	St Clair, MI	Columbus	2.12
W2K-SC-215	194.47	42° 52' 6.654" N	82° 42' 22.546" W	PFO	Adair	St Clair, MI	Columbus	0.92
W2TB-SC-393	194.69	42° 52' 6.553" N	82° 42' 6.994" W	PFO	Adair	St Clair, MI	Columbus	2.42
W2TB-SC-396	195.27	42° 52' 11.772" N	82° 41' 26.691" W	PEM	Adair	St Clair, MI	Columbus	3.43
W2K-SC-346	195.76	42° 52' 5.356" N	82° 40' 53.810" W	PFO	Adair	St Clair, MI	Columbus	0.86
W2TB-SC-397	196.33	42° 51' 49.681" N	82° 40' 22.449" W	PFO	Adair	St Clair, MI	Columbus	0.99
W1ST-SC-132	197.07	42° 51' 29.899" N	82° 39' 40.869" W	PFO	Adair	St Clair, MI	Columbus	0.44
W1ST-SC-130	197.26	42° 51' 26.399" N	82° 39' 28.923" W	PEM	Adair	St Clair, MI	Columbus	0.03
W1ST-SC-129	197.33	42° 51' 24.218" N	82° 39' 24.018" W	PEM	Adair	St Clair, MI	Columbus	0.02
W2K-SC-344	197.89	42° 50' 58.869" N	82° 39' 5.066" W	PEM	Adair	St Clair, MI	Columbus	0.24
W2TB-SC-363	197.92	42° 50' 57.108" N	82° 39' 6.035" W	PFO	Adair	St Clair, MI	Columbus	1.15
W2TB-SC-364	197.95	42° 50' 56.038" N	82° 39' 6.172" W	PEM	Adair	St Clair, MI	Columbus	0.16
W2TB-SC-362	198.10	42° 50' 48.065" N	82° 39' 6.458" W	PFO	Adair	St Clair, MI	Columbus	1.49
W2TB-SC-361	198.17	42° 50' 44.074" N	82° 39' 3.731" W	PEM	Adair	St Clair, MI	Columbus	0.22

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Market Segment, cont'd								
W2TB-SC-360	198.24	42° 50' 41.593" N	82° 39' 2.789" W	PEM	Adair	St Clair, MI	Columbus	0.73
W2TB-SC-357	198.42	42° 50' 31.265" N	82° 39' 1.321" W	PEM	Adair	St Clair, MI	Columbus	0.15
W2TB-SC-358	198.58	42° 50' 23.100" N	82° 39' 1.183" W	PFO	Adair	St Clair, MI	Columbus	1.03
W2K-SC-143	200.06	42° 49' 48.740" N	82° 37' 32.114" W	PFO	Adair	St Clair, MI	Columbus	0.27
W2K-SC-139	200.22	42° 49' 48.266" N	82° 37' 20.550" W	PEM	Rattle Run	St Clair, MI	Columbus	0.79
W1K-SC-219	200.26	42° 49' 48.108" N	82° 37' 17.173" W	PSS	Rattle Run	St Clair, MI	Columbus	0.45
W1K-SC-213	200.50	42° 49' 37.723" N	82° 37' 10.183" W	PEM	Rattle Run	St Clair, MI	Columbus	0.06
W2K-SC-146	200.55	42° 49' 37.706" N	82° 37' 6.637" W	PFO	Rattle Run	St Clair, MI	Columbus	1.30
W2K-SC-145	200.61	42° 49' 35.590" N	82° 37' 3.562" W	PEM	Rattle Run	St Clair, MI	Columbus	1.71
W2K-SC-147	200.62	42° 49' 34.176" N	82° 37' 3.119" W	PFO	Rattle Run	St Clair, MI	Columbus	3.82
W1K-SC-201	200.74	42° 49' 32.920" N	82° 36' 54.598" W	PEM	Rattle Run	St Clair, MI	St Clair	0.07
W1K-SC-202	200.78	42° 49' 32.291" N	82° 36' 51.481" W	PEM	Rattle Run	St Clair, MI	St Clair	0.07
W1K-SC-221	200.87	42° 49' 30.594" N	82° 36' 45.308" W	PEM	Rattle Run	St Clair, MI	St Clair	0.38
W2K-SC-153	201.15	42° 49' 24.379" N	82° 36' 33.100" W	PEM	Rattle Run	St Clair, MI	St Clair	0.51
W2K-SC-157	201.23	42° 49' 20.402" N	82° 36' 28.974" W	PFO	Rattle Run	St Clair, MI	St Clair	5.94
W2K-SC-154	201.24	42° 49' 22.110" N	82° 36' 26.561" W	PFO	Rattle Run	St Clair, MI	St Clair	3.80
W2K-SC-156	201.28	42° 49' 19.889" N	82° 36' 24.688" W	PEM	Rattle Run	St Clair, MI	St Clair	1.58
W1K-SC-222	201.63	42° 49' 13.248" N	82° 36' 3.281" W	PEM	Rattle Run	St Clair, MI	St Clair	1.71
W1K-SC-198	201.70	42° 49' 13.061" N	82° 35' 57.471" W	PFO	Rattle Run	St Clair, MI	St Clair	2.07
W1K-SC-199	201.89	42° 49' 3.539" N	82° 35' 52.811" W	PEM	Rattle Run	St Clair, MI	St Clair	0.11
W1K-SC-190	202.65	42° 48' 42.339" N	82° 35' 11.775" W	PFO	Rattle Run	St Clair, MI	China	0.11
W1K-SC-189	202.66	42° 48' 41.565" N	82° 35' 11.214" W	PEM	Rattle Run	St Clair, MI	China	0.15
W1K-SC-188	202.68	42° 48' 41.831" N	82° 35' 9.593" W	PFO	Rattle Run	St Clair, MI	China	0.09

TABLE 1
Rover Pipeline Project - Market Segment
USACE, Detroit District and MIDEQ, Jackson, Lansing, and SE Michigan Districts
Waters of the U.S. Delineation Report - Wetlands in Michigan

Wetland ID	Approx. MP	Latitude	Longitude	Type	USGS Quad	County, State	Township	Delineated Acres
Market Segment, cont'd								
W1K-SC-187	202.71	42° 48' 41.105" N	82° 35' 7.738" W	PFO	Rattle Run	St Clair, MI	China	0.12
W1K-SC-184	203.19	42° 48' 29.551" N	82° 34' 37.313" W	PEM	Rattle Run	St Clair, MI	China	0.96
W1K-SC-206	203.43	42° 48' 29.049" N	82° 34' 23.292" W	PEM	Rattle Run	St Clair, MI	China	0.44
W1K-SC-211	203.49	42° 48' 26.805" N	82° 34' 18.281" W	PFO	Rattle Run	St Clair, MI	China	0.80
W1K-SC-180	203.63	42° 48' 24.898" N	82° 34' 9.245" W	PEM	Rattle Run	St Clair, MI	China	0.06
W1K-SC-181	203.66	42° 48' 23.076" N	82° 34' 8.866" W	PFO	Rattle Run	St Clair, MI	China	0.02
W1K-SC-179	203.72	42° 48' 22.719" N	82° 34' 3.920" W	PEM	Rattle Run	St Clair, MI	China	0.27
W1K-SC-207	204.82	42° 47' 53.280" N	82° 32' 59.812" W	PSS	Rattle Run	St Clair, MI	China	0.48
W1K-SC-196	205.12	42° 47' 45.500" N	82° 32' 41.613" W	PFO	Rattle Run	St Clair, MI	China	0.07
W1K-SC-194	205.16	42° 47' 43.763" N	82° 32' 39.804" W	PSS	Rattle Run	St Clair, MI	China	0.39
W1K-SC-195	205.17	42° 47' 45.332" N	82° 32' 38.585" W	PEM	Rattle Run	St Clair, MI	China	0.04
W1K-SC-193	205.21	42° 47' 42.848" N	82° 32' 37.002" W	PFO	Rattle Run	St Clair, MI	China	0.74
W1K-SC-235	205.38	42° 47' 36.784" N	82° 32' 28.123" W	PFO	Rattle Run	St Clair, MI	China	0.05
W1K-SC-191	205.41	42° 47' 38.477" N	82° 32' 23.687" W	PFO	Rattle Run	St Clair, MI	China	0.24
W1K-SC-234	205.50	42° 47' 35.441" N	82° 32' 18.967" W	PFO	Rattle Run	St Clair, MI	China	0.18
W1K-SC-228	206.93	42° 47' 5.689" N	82° 31' 9.922" W	PFO	Rattle Run	St Clair, MI	China	0.09

TABLE 2
Rover Pipeline Project - Market Segment
USACE, Detroit District and MIDEQ, Jackson, Lansing, and SE Michigan Districts
Waters of the U.S. Delineation Report – Surface Waters in Michigan

Stream ID	Approx. MP	Latitude	Longitude	Stream Name	Type	USGS Quad	County, State	Township
Market Segment								
S1K-LE-106	28.76	41° 43' 42.425" N	84° 11' 13.425" W	UT to Silver Creek	Perennial	Morenci	Lenawee, MI	Seneca
S1K-LE-103	34.30	41° 48' 4.240" N	84° 9' 46.151" W	Bear Creek	Perennial	Clayton	Lenawee, MI	Seneca
S1K-LE-142	35.71	41° 49' 7.634" N	84° 9' 19.748" W	Stony Creek	Perennial	Clayton	Lenawee, MI	Dover
S2K-LE-225	38.29	41° 51' 8.082" N	84° 8' 35.350" W	Unnamed Tributary	Intermittent	Clayton	Lenawee, MI	Dover
S2K-LE-227	39.77	41° 52' 9.330" N	84° 8' 0.810" W	Raisin River	Perennial	Clayton	Lenawee, MI	Dover
S2K-LE-228	39.79	41° 52' 11.441" N	84° 8' 1.738" W	Hazen Creek	Perennial	Clayton	Lenawee, MI	Dover
S5K-LE-104	42.46	41° 53' 53.672" N	84° 6' 51.278" W	UT to Wolf Creek	Ephemeral	Adrian	Lenawee, MI	Madison
S2K-LE-231	42.69	41° 54' 4.621" N	84° 6' 52.274" W	UT to Wolf Creek	Intermittent	Adrian	Lenawee, MI	Adrian
S2K-LE-232	42.78	41° 54' 9.105" N	84° 6' 54.539" W	Wolf Creek	Perennial	Adrian	Lenawee, MI	Adrian
S1K-LE-177	43.00	41° 54' 11.966" N	84° 7' 11.893" W	Wolf Creek	Perennial	Adrian	Lenawee, MI	Adrian
S2K-LE-177	43.75	41° 54' 57.513" N	84° 7' 1.038" W	Wolf Creek	Perennial	Adrian	Lenawee, MI	Adrian
S2TB-LE-415	44.31	41° 55' 26.227" N	84° 6' 59.602" W	Wolf Creek	Perennial	Adrian	Lenawee, MI	Adrian
S1K-LE-175	44.53	41° 55' 35.170" N	84° 7' 3.366" W	Wolf Creek	Perennial	Adrian	Lenawee, MI	Adrian
S1K-LE-174	44.69	41° 55' 45.284" N	84° 7' 0.587" W	Black Creek	Perennial	Adrian	Lenawee, MI	Adrian
S1K-LE-174	44.82	41° 55' 50.721" N	84° 6' 53.559" W	Black Creek	Perennial	Adrian	Lenawee, MI	Adrian
S1K-LE-174	44.95	41° 55' 50.797" N	84° 6' 43.734" W	Black Creek	Perennial	Adrian	Lenawee, MI	Adrian
S1K-LE-118	49.98	41° 59' 50.545" N	84° 5' 23.499" W	Black Creek	Perennial	Adrian	Lenawee, MI	Franklin
S1K-LE-240	53.38	42° 1' 50.147" N	84° 3' 9.270" W	Evans Creek	Perennial	Tipton	Lenawee, MI	Franklin
S2K-WA-163	56.90	42° 4' 44.448" N	84° 2' 19.079" W	UT to Hudson Lake	Perennial	Tipton	Washtenaw, MI	Manchester
S1K-WA-293	56.93	42° 4' 44.561" N	84° 2' 15.858" W	UT to Hudson Lake	Perennial	Tipton	Washtenaw, MI	Manchester
S2K-WA-110	57.46	42° 5' 9.037" N	84° 1' 58.474" W	UT to Iron Creek	Intermittent	Tipton	Washtenaw, MI	Manchester
S1K-WA-173	58.29	42° 5' 42.778" N	84° 1' 31.760" W	Iron Creek	Perennial	Tipton	Washtenaw, MI	Manchester

TABLE 2
Rover Pipeline Project - Market Segment
USACE, Detroit District and MIDEQ, Jackson, Lansing, and SE Michigan Districts
Waters of the U.S. Delineation Report – Surface Waters in Michigan

Stream ID	Approx. MP	Latitude	Longitude	Stream Name	Type	USGS Quad	County, State	Township
Market Segment, cont'd								
S1K-WA-273	59.78	42° 6' 56.854" N	84° 1' 11.183" W	Unnamed Tributary	Intermittent	Tipton	Washtenaw, MI	Manchester
S1K-WA-255	59.97	42° 7' 6.551" N	84° 1' 7.905" W	Unnamed Tributary	Intermittent	Tipton	Washtenaw, MI	Manchester
S1K-WA-261	61.19	42° 7' 53.412" N	84° 0' 40.946" W	UT to Raisin River	Intermittent	Manchester	Washtenaw, MI	Manchester
S1K-WA-269	62.28	42° 8' 47.239" N	84° 0' 58.368" W	Raisin River	Perennial	Manchester	Washtenaw, MI	Manchester
S1K-WA-276	62.37	42° 8' 51.094" N	84° 0' 57.985" W	Raisin River	Perennial	Manchester	Washtenaw, MI	Manchester
S2K-WA-169	62.42	42° 8' 54.433" N	84° 0' 59.035" W	Raisin River	Perennial	Manchester	Washtenaw, MI	Manchester
S1K-WA-280	63.46	42° 9' 27.693" N	84° 0' 20.547" W	UT to Raisin River	Perennial	Manchester	Washtenaw, MI	Bridgewater
S2K-WA-206	64.00	42° 9' 31.572" N	83° 59' 43.573" W	UT to Raisin River	Ephemeral	Bridgewater	Washtenaw, MI	Bridgewater
S2K-WA-205	64.03	42° 9' 31.448" N	83° 59' 41.306" W	UT to Raisin River	Intermittent	Bridgewater	Washtenaw, MI	Bridgewater
S2K-WA-104	64.36	42° 9' 43.076" N	83° 59' 26.701" W	UT to Raisin River	Ephemeral	Bridgewater	Washtenaw, MI	Bridgewater
S2K-WA-106	64.73	42° 10' 1.559" N	83° 59' 18.331" W	UT to Raisin River	Ephemeral	Bridgewater	Washtenaw, MI	Freedom
S2K-WA-108	64.86	42° 10' 7.495" N	83° 59' 13.984" W	UT to Raisin River	Ephemeral	Bridgewater	Washtenaw, MI	Freedom
S2K-WA-203	64.93	42° 10' 9.558" N	83° 59' 9.265" W	UT to Raisin River	Intermittent	Bridgewater	Washtenaw, MI	Freedom
S2K-WA-202	64.95	42° 10' 11.201" N	83° 59' 9.149" W	UT to Raisin River	Perennial	Bridgewater	Washtenaw, MI	Freedom
S2K-WA-200	65.30	42° 10' 25.843" N	83° 58' 55.412" W	UT to Raisin River	Perennial	Bridgewater	Washtenaw, MI	Freedom
S1K-WA-153	65.96	42° 10' 55.226" N	83° 58' 35.288" W	UT to Raisin River	Intermittent	Bridgewater	Washtenaw, MI	Freedom
S1M-WA-240	66.78	42° 11' 34.135" N	83° 58' 13.568" W	Unnamed Tributary	Perennial	Bridgewater	Washtenaw, MI	Freedom
S2K-WA-113	70.18	42° 14' 24.787" N	83° 57' 48.537" W	UT to Mill Creek	Intermittent	Bridgewater	Washtenaw, MI	Freedom
S2K-WA-195	70.42	42° 14' 37.250" N	83° 57' 54.823" W	UT to Mill Creek	Intermittent	Bridgewater	Washtenaw, MI	Freedom
S2K-WA-216	70.64	42° 14' 48.695" N	83° 57' 53.154" W	UT to Mill Creek	Perennial	Bridgewater	Washtenaw, MI	Freedom
S2K-WA-122	72.12	42° 16' 3.469" N	83° 57' 37.818" W	Mill Creek	Perennial	Dexter	Washtenaw, MI	Lima
S2K-WA-123	72.33	42° 16' 14.285" N	83° 57' 38.246" W	UT to Mill Creek	Intermittent	Dexter	Washtenaw, MI	Lima

TABLE 2
Rover Pipeline Project - Market Segment
USACE, Detroit District and MIDEQ, Jackson, Lansing, and SE Michigan Districts
Waters of the U.S. Delineation Report – Surface Waters in Michigan

Stream ID	Approx. MP	Latitude	Longitude	Stream Name	Type	USGS Quad	County, State	Township
Market Segment, cont'd								
S5K-WA-182	73.74	42° 17' 27.208" N	83° 57' 43.226" W	North Fork of Mill Creek	Perennial	Dexter	Washtenaw, MI	Lima
S1M-WA-229	74.60	42° 18' 3.413" N	83° 57' 57.496" W	UT to North Fork of Mill Creek	Intermittent	Dexter	Washtenaw, MI	Lima
S5K-WA-221	74.90	42° 18' 15.238" N	83° 57' 44.175" W	North Fork of Mill Creek	Perennial	Dexter	Washtenaw, MI	Lima
S1M-WA-225	75.10	42° 18' 24.669" N	83° 57' 41.498" W	UT to North Fork of Mill Creek	Intermittent	Dexter	Washtenaw, MI	Lima
S4K-WA-296	80.04	42° 21' 50.409" N	83° 57' 48.886" W	Dexter County Drain No. 1	Perennial	Dexter	Washtenaw, MI	Dexter
S1M-WA-211	81.49	42° 23' 4.674" N	83° 57' 59.101" W	UT to Huron River	Intermittent	Pinckney	Washtenaw, MI	Dexter
S5K-LI-108	84.73	42° 25' 26.638" N	83° 56' 52.118" W	Portage River	Perennial	Pinckney	Washtenaw, MI	Dexter
S5K-LI-108	84.73	42° 25' 26.941" N	83° 56' 51.211" W	Portage River	Perennial	Pinckney	Livingston, MI	Dexter
S5K-LI-108	84.74	42° 25' 27.429" N	83° 56' 50.776" W	Portage River	Perennial	Pinckney	Livingston, MI	Putnam
S2K-LI-239	87.18	42° 27' 24.375" N	83° 57' 34.628" W	Honey Creek	Perennial	Pinckney	Livingston, MI	Putnam
S5K-LI-262	89.01	42° 28' 10.851" N	83° 58' 43.196" W	UT to Honey Creek	Perennial	Pinckney	Livingston, MI	Putnam
S5K-LI-120	89.75	42° 28' 5.993" N	83° 59' 28.308" W	Honey Creek	Perennial	Pinckney	Livingston, MI	Putnam
S2K-LI-221	89.80	42° 28' 8.464" N	83° 59' 31.889" W	Honey Creek	Perennial	Pinckney	Livingston, MI	Putnam
S5K-LI-123	89.86	42° 28' 7.369" N	83° 59' 36.149" W	Honey Creek	Perennial	Pinckney	Livingston, MI	Putnam
S2K-LI-224	89.91	42° 28' 4.479" N	83° 59' 44.877" W	Honey Creek	Perennial	Pinckney	Livingston, MI	Putnam
S2K-LI-257	90.19	42° 28' 9.249" N	83° 59' 57.211" W	Anderson Drain	Perennial	Pinckney	Livingston, MI	Putnam
S2K-LI-258	90.21	42° 28' 10.604" N	83° 59' 58.233" W	County Drain No 7	Perennial	Pinckney	Livingston, MI	Putnam
S2K-LI-257	90.25	42° 28' 10.098" N	84° 0' 0.928" W	Anderson Drain	Perennial	Gregory	Livingston, MI	Putnam
S6K-LI-104a	90.33	42° 28' 18.943" N	84° 0' 6.938" W	Unnamed	Perennial	Gregory	Livingston, MI	Putnam
S6K-LI-104b	90.38	42° 28' 20.803" N	84° 0' 10.416" W	Unnamed	Perennial	Gregory	Livingston, MI	Putnam

TABLE 2
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Waters of the U.S. Delineation Report – Surface Waters in Michigan

Stream ID	Approx. MP	Latitude	Longitude	Stream Name	Type	USGS Quad	County, State	Township
Market Segment, cont'd								
S2K-LI-242	90.77	42° 28' 44.433" N	84° 0' 26.961" W	UT to County Drain No. 7	Intermittent	Gregory	Livingston, MI	Putnam
S2K-LI-246	91.60	42° 29' 27.306" N	84° 0' 32.243" W	County Drain No 7	Perennial	Gregory	Livingston, MI	Putnam
S1K-LI-286	92.83	42° 30' 19.222" N	84° 1' 1.348" W	County Drain No 7	Perennial	Parkers Corners	Livingston, MI	Putnam
S5K-LI-187	94.36	42° 31' 29.727" N	84° 1' 24.634" W	Unnamed Tributary	Perennial	Parkers Corners	Livingston, MI	Marion
S2K-LI-249	94.78	42° 31' 50.775" N	84° 1' 23.913" W	Unnamed Tributary	Intermittent	Parkers Corners	Livingston, MI	Marion
S2K-LI-263	99.03	42° 35' 16.146" N	84° 2' 0.438" W	UT to Red Cedar River	Perennial	Parkers Corners	Livingston, MI	Iosco
S2K-LI-266	99.90	42° 36' 2.037" N	84° 2' 3.932" W	Handy Iosco Drain	Intermittent	Parkers Corners	Livingston, MI	Handy
S5K-LI-131	100.93	42° 36' 55.094" N	84° 2' 4.667" W	Handy Iosco Drain	Perennial	Parkers Corners	Livingston, MI	Handy
S5K-LI-134	101.14	42° 37' 6.283" N	84° 2' 6.297" W	Handy Iosco Drain	Perennial	Parkers Corners	Livingston, MI	Handy
S5K-LI-152	102.43	42° 38' 13.519" N	84° 2' 9.660" W	Red Cedar River	Perennial	Fowlerville	Livingston, MI	Handy
S5K-LI-154	102.56	42° 38' 20.088" N	84° 2' 8.793" W	UT to Red Cedar River	Perennial	Fowlerville	Livingston, MI	Handy
S5K-LI-254	102.76	42° 38' 29.786" N	84° 2' 2.659" W	UT to Red Cedar River	Perennial	Fowlerville	Livingston, MI	Handy
S2K-LI-273	103.26	42° 38' 54.979" N	84° 2' 7.582" W	UT to Howell Drain No. 1	Intermittent	Fowlerville	Livingston, MI	Handy
S1ST-LI-100	105.09	42° 40' 11.130" N	84° 1' 29.276" W	UT to Howell Drain No. 1	Intermittent	Fowlerville	Livingston, MI	Howell
S6K-LI-110	108.56	42° 43' 12.064" N	84° 1' 33.572" W	UT to Sprague Creek	Perennial	Fowlerville	Livingston, MI	Cohoctah
S6K-LI-112	108.66	42° 43' 17.189" N	84° 1' 34.834" W	Sprague Creek	Perennial	Fowlerville	Livingston, MI	Cohoctah
S5K-LI-158	112.12	42° 46' 3.573" N	84° 0' 54.366" W	Kanause Drain	Perennial	Corunna SE	Livingston, MI	Cohoctah
S5K-SH-169	115.52	42° 48' 39.860" N	83° 59' 39.333" W	Kanause Lake Drain	Perennial	Byron	Shiawassee, MI	Burns
S5K-SH-171	117.54	42° 49' 50.052" N	83° 58' 26.115" W	Shiawassee River	Perennial	Byron	Shiawassee, MI	Burns

TABLE 2
Rover Pipeline Project - Market Segment
USACE, Detroit District and MIDEQ, Jackson, Lansing, and SE Michigan Districts
Waters of the U.S. Delineation Report – Surface Waters in Michigan

Stream ID	Approx. MP	Latitude	Longitude	Stream Name	Type	USGS Quad	County, State	Township
Market Segment, cont'd								
S5K-GE-242	123.02	42° 51' 42.186" N	83° 53' 15.258" W	Atherton Drain	Perennial	Byron	Genesee, MI	Argentine
S6K-GE-125	124.92	42° 51' 40.743" N	83° 51' 2.974" W	Jones Creek	Perennial	Linden	Genesee, MI	Argentine
S6K-GE-130	126.10	42° 51' 48.440" N	83° 49' 40.741" W	Porter Drain	Intermittent	Linden	Genesee, MI	Argentine
S2K-GE-278	127.47	42° 51' 36.530" N	83° 48' 5.929" W	UT to Kimball Drain	Intermittent	Linden	Genesee, MI	Fenton
S2K-GE-286	127.99	42° 51' 48.696" N	83° 47' 33.905" W	UT to Kimball Drain	Intermittent	Linden	Genesee, MI	Fenton
S2K-GE-302	132.28	42° 52' 33.679" N	83° 43' 21.446" W	UT to Dawe Drain	Perennial	Flint South	Genesee, MI	Mundy
S2K-GE-312	132.78	42° 52' 36.667" N	83° 42' 46.265" W	Dawe Drain	Perennial	Flint South	Genesee, MI	Mundy
S2K-GE-315	134.00	42° 52' 40.891" N	83° 41' 21.507" W	Swartz Creek	Perennial	Flint South	Genesee, MI	Grand Blanc
S2K-GE-314	134.12	42° 52' 41.091" N	83° 41' 13.611" W	UT to Swartz Creek	Intermittent	Flint South	Genesee, MI	Grand Blanc
S5K-GE-199	135.22	42° 52' 24.597" N	83° 40' 4.343" W	UT to Copneconic Lake	Perennial	Fenton	Genesee, MI	Grand Blanc
S5K-OA-213	137.39	42° 52' 1.176" N	83° 37' 40.333" W	Unnamed Tributary	Ephemeral	Fenton	Oakland, MI	Holly
S5K-GE-203	141.75	42° 52' 26.928" N	83° 32' 53.158" W	UT to Thread Creek	Perennial	Davisburg	Oakland, MI	Groveland
S5K-OA-204	141.78	42° 52' 26.881" N	83° 32' 50.870" W	UT to Thread Creek	Perennial	Davisburg	Oakland, MI	Groveland
S5K-GE-203	141.78	42° 52' 27.158" N	83° 32' 51.401" W	UT to Thread Creek	Perennial	Davisburg	Oakland, MI	Atlas
S5K-GE-203	141.85	42° 52' 28.529" N	83° 32' 48.643" W	UT to Thread Creek	Perennial	Davisburg	Genesee, MI	Atlas
S5K-GE-203	141.91	42° 52' 31.142" N	83° 32' 43.605" W	UT to Thread Creek	Perennial	Goodrich	Genesee, MI	Atlas
S5K-GE-202	141.99	42° 52' 32.086" N	83° 32' 39.744" W	UT to Thread Creek	Perennial	Goodrich	Genesee, MI	Atlas
S5K-GE-201	142.00	42° 52' 33.361" N	83° 32' 40.294" W	Thread Creek	Perennial	Goodrich	Genesee, MI	Atlas
S2K-GE-303	142.23	42° 52' 34.534" N	83° 32' 23.188" W	UT to Zimmerman Creek	Intermittent	Goodrich	Genesee, MI	Atlas
S2K-GE-375	145.95	42° 52' 49.466" N	83° 28' 6.995" W	Kearsley Creek	Perennial	Hadley	Genesee, MI	Atlas
S2TB-LA-312	150.58	42° 55' 38.342" N	83° 26' 10.350" W	UT to Mill Creek	Intermittent	Hadley	Lapeer, MI	Hadley

TABLE 2
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Stream ID	Approx. MP	Latitude	Longitude	Stream Name	Type	USGS Quad	County, State	Township
Market Segment, cont'd								
S2TB-LA-310	150.70	42° 55' 40.511" N	83° 26' 2.419" W	Mill Creek	Perennial	Hadley	Lapeer, MI	Hadley
S2TB-LA-308	150.74	42° 55' 43.279" N	83° 26' 1.501" W	UT to Mill Creek	Intermittent	Hadley	Lapeer, MI	Hadley
S2TB-LA-315	151.10	42° 55' 48.446" N	83° 25' 38.144" W	Mill Creek	Perennial	Hadley	Lapeer, MI	Hadley
S2TB-LA-368	154.53	42° 56' 44.138" N	83° 21' 59.207" W	UT to South Branch Farmers Creek	Perennial	Metamora	Lapeer, MI	Hadley
S2K-LA-370	154.88	42° 56' 54.747" N	83° 21' 39.862" W	South Branch Farmers Creek	Perennial	Metamora	Lapeer, MI	Hadley
S2K-LA-369	154.92	42° 56' 56.332" N	83° 21' 37.561" W	UT to South Branch Farmers Creek	Perennial	Metamora	Lapeer, MI	Hadley
S5K-LA-207	155.71	42° 57' 23.725" N	83° 21' 5.661" W	UT to Farmers Creek	Perennial	Metamora	Lapeer, MI	Hadley
S2TB-LA-327	158.79	42° 58' 46.487" N	83° 18' 41.991" W	Kintz Creek	Perennial	Metamora	Lapeer, MI	Lapeer
S2TB-LA-329	159.06	42° 58' 42.742" N	83° 18' 23.313" W	UT to Kintz Creek	Perennial	Metamora	Lapeer, MI	Lapeer
S2TB-LA-340	167.45	42° 59' 21.923" N	83° 8' 55.281" W	UT to Hunters Creek	Perennial	Thornville	Lapeer, MI	Attica
S2TB-LA-333	168.11	42° 59' 43.298" N	83° 8' 31.397" W	Long Lake Drain	Perennial	Thornville	Lapeer, MI	Attica
S2TB-LA-386	168.36	42° 59' 38.974" N	83° 8' 14.291" W	UT to Long Lake Drain	Perennial	Thornville	Lapeer, MI	Attica
S2K-LA-328	171.87	42° 59' 30.833" N	83° 4' 17.904" W	UT to North Branch Belle River	Perennial	Almont	Lapeer, MI	Imlay
S2K-LA-318	171.93	42° 59' 33.282" N	83° 4' 11.689" W	UT to North Branch Belle River	Perennial	Almont	Lapeer, MI	Imlay
S2K-LA-321	172.15	42° 59' 26.350" N	83° 3' 59.158" W	Belle River	Perennial	Almont	Lapeer, MI	Imlay
S1ST-LA-146	172.91	42° 59' 6.875" N	83° 3' 13.221" W	Belle River	Perennial	Almont	Lapeer, MI	Imlay
S1ST-LA-148	173.12	42° 58' 59.618" N	83° 3' 1.837" W	UT to Belle River	Perennial	Almont	Lapeer, MI	Imlay
S2TB-LA-379	176.14	42° 57' 58.485" N	83° 0' 3.561" W	UT to Belle River	Ephemeral	Almont	Lapeer, MI	Almont
S2TB-LA-378	176.42	42° 57' 51.415" N	82° 59' 45.967" W	UT to Belle River	Perennial	Allenton	Lapeer, MI	Almont

TABLE 2
Rover Pipeline Project - Market Segment
USACE, Detroit District and MIDEQ, Jackson, Lansing, and SE Michigan Districts
Waters of the U.S. Delineation Report – Surface Waters in Michigan

Stream ID	Approx. MP	Latitude	Longitude	Stream Name	Type	USGS Quad	County, State	Township
Market Segment, cont'd								
S2K-SC-350	177.74	42° 57' 21.203" N	82° 58' 22.289" W	UT to Belle River	Ephemeral	Allenton	St Clair, MI	Berlin
S1ST-SC-139A	180.53	42° 56' 27.723" N	82° 55' 25.990" W	UT to Belle River	Intermittent	Allenton	St Clair, MI	Berlin
S1ST-SC-139	180.55	42° 56' 27.270" N	82° 55' 24.961" W	UT to Belle River	Intermittent	Allenton	St Clair, MI	Berlin
S1ST-SC-140	180.67	42° 56' 23.979" N	82° 55' 17.304" W	UT to Belle River	Intermittent	Allenton	St Clair, MI	Berlin
S2TB-SC-403	185.42	42° 54' 21.568" N	82° 51' 12.741" W	UT to Summer Drain	Perennial	Memphis	St Clair, MI	Riley
S2TB-SC-246	185.98	42° 54' 7.426" N	82° 50' 44.404" W	Unnamed	Perennial	Memphis	St Clair, MI	Riley
S2K-MA-330	187.64	42° 53' 34.837" N	82° 49' 21.888" W	UT to Shaver Drain	Intermittent	Memphis	Macomb, MI	Richmond
S2K-MA-331	187.90	42° 53' 35.258" N	82° 49' 3.666" W	Shaver Drain	Perennial	Memphis	Macomb, MI	Richmond
S2K-MA-349	188.48	42° 53' 26.773" N	82° 48' 26.067" W	UT to Shaver Drain	Ephemeral	Memphis	Macomb, MI	Richmond
S2TB-MA-350	189.51	42° 52' 58.827" N	82° 47' 24.159" W	UT to Smith Drain	Ephemeral	Memphis	Macomb, MI	Richmond
S2TB-MA-354	190.14	42° 52' 40.493" N	82° 46' 47.640" W	Smith Drain	Perennial	Memphis	Macomb, MI	Richmond
S2TB-MA-352	190.65	42° 52' 26.916" N	82° 46' 25.160" W	UT to Beaver Creek	Perennial	Richmond	Macomb, MI	Richmond
S2TB-MA-351	190.81	42° 52' 26.416" N	82° 46' 14.018" W	Beaver Creek	Perennial	Richmond	Macomb, MI	Richmond
S2K-MA-334	192.37	42° 52' 20.403" N	82° 44' 23.575" W	Belle River	Perennial	Adair	Macomb, MI	Richmond
S2TB-SC-404	192.55	42° 52' 20.335" N	82° 44' 12.050" W	UT to Belle River	Intermittent	Adair	St Clair, MI	Columbus
S2TB-SC-398	196.22	42° 51' 52.450" N	82° 40' 27.237" W	UT to Rattle Run	Ephemeral	Adair	St Clair, MI	Columbus
S2TB-SC-394	197.72	42° 51' 6.081" N	82° 39' 11.738" W	Cooper Drain	Perennial	Adair	St Clair, MI	Columbus
S2K-SC-345	197.81	42° 51' 3.030" N	82° 39' 6.098" W	Cooper Drain	Perennial	Adair	St Clair, MI	Columbus
S2TB-SC-395	197.83	42° 51' 1.260" N	82° 39' 8.194" W	UT to Cooper Drain	Perennial	Adair	St Clair, MI	Columbus
S2TB-SC-407	201.08	42° 49' 29.344" N	82° 36' 32.114" W	Barringer Drain	Perennial	Rattle Run	St Clair, MI	St Clair
S2TB-SC-408	201.12	42° 49' 26.833" N	82° 36' 30.398" W	UT to Barringer Drain	Ephemeral	Rattle Run	St Clair, MI	St Clair
S1K-SC-231	209.42	42° 46' 52.208" N	82° 28' 24.384" W	St. Clair River	Perennial	Saint Clair	St Clair, MI	East China

TABLE 3
Rover Pipeline Project - Market Segment
USACE, Detroit District and MIDEQ, Jackson, Lansing, and SE Michigan Districts
Waters of the U.S. Delineation Report - Ponds in Michigan

Waterbody ID	Approx. MP	Latitude	Longitude	Type	USGS Quad	County, State	Township
Market Segment							
WB1K-LE-138	54.07	42° 2' 25.786" N	84° 3' 1.803" W	Pond-Manmade	Tipton	Lenawee, MI	Franklin
WB1K-LE-243	56.29	42° 4' 14.591" N	84° 2' 34.267" W	Pond-Natural	Tipton	Lenawee, MI	Franklin
WB2K-WA-107	64.81	42° 10' 4.715" N	83° 59' 13.422" W	Pond-Manmade	Bridgewater	Washtenaw, MI	Freedom
WB1M-LI-239	85.33	42° 26' 10.434" N	83° 45' 44.755" W	Pond-Manmade	Hamburg	Livingston, MI	Green Oak
WB6K-LI-106	90.35	42° 28' 19.845" N	84° 0' 8.889" W	Pond-Manmade	Gregory	Livingston, MI	Putnam
WB6K-LI-107	90.39	42° 28' 21.916" N	84° 0' 11.152" W	Pond-Manmade	Gregory	Livingston, MI	Putnam
WB6K-LI-108	90.43	42° 28' 25.677" N	84° 0' 14.490" W	Pond-Manmade	Gregory	Livingston, MI	Putnam
WB5K-LI-128	91.95	42° 29' 44.329" N	84° 0' 27.060" W	Pond-Manmade	Gregory	Livingston, MI	Putnam
WB1K-LI-284	93.09	42° 30' 28.951" N	84° 1' 14.885" W	Pond-Manmade	Parkers Corners	Livingston, MI	Putnam
WB5K-LI-259	94.74	42° 31' 48.970" N	84° 1' 21.041" W	Pond-Natural	Parkers Corners	Livingston, MI	Marion
WB5K-LI-179	95.53	42° 32' 26.425" N	84° 1' 39.864" W	Pond-Manmade	Parkers Corners	Livingston, MI	Marion
WB5K-LI-180	95.60	42° 32' 29.944" N	84° 1' 37.952" W	Pond-Manmade	Parkers Corners	Livingston, MI	Marion
WB5K-LI-156	96.21	42° 33' 2.119" N	84° 1' 37.956" W	Pond-Natural	Parkers Corners	Livingston, MI	Marion
WB5K-LI-189	99.33	42° 35' 32.099" N	84° 2' 4.121" W	Pond-Natural	Parkers Corners	Livingston, MI	Iosco
W5K-LI-257	103.46	42° 39' 5.882" N	84° 2' 1.140" W	Pond-Manmade	Fowlerville	Livingston, MI	Howell
WB1ST-SH-113	116.82	42° 49' 35.283" N	83° 59' 10.319" W	Pond-Manmade	Byron	Shiawassee, MI	Burns
WB5K-GE-246	123.93	42° 51' 45.529" N	83° 52' 13.346" W	Pond-Natural	Linden	Genesee, MI	Argentine
WB6K-GE-128	125.39	42° 51' 46.658" N	83° 50' 31.557" W	Pond-Natural	Linden	Genesee, MI	Argentine
WB2K-GE-281	127.61	42° 51' 39.411" N	83° 47' 57.271" W	Pond-Natural	Linden	Genesee, MI	Fenton
WB1ST-GE-122	133.68	42° 52' 42.575" N	83° 41' 44.149" W	Pond-Manmade	Flint South	Genesee, MI	Mundy
WB2K-OA-290	141.48	42° 52' 19.940" N	83° 33' 9.460" W	Pond-Manmade	Davisburg	Oakland, MI	Groveland
WB2TB-LA-318	151.29	42° 55' 50.873" N	83° 25' 23.242" W	Pond-Natural	Hadley	Lapeer, MI	Hadley

TABLE 3
Rover Pipeline Project - Market Segment
USACE, Detroit District and MIDEQ, Jackson, Lansing, and SE Michigan Districts
Waters of the U.S. Delineation Report - Ponds in Michigan

Waterbody ID	Approx. MP	Latitude	Longitude	Type	USGS Quad	County, State	Township
Market Segment, cont'd							
WB2TB-LA-370	154.38	42° 56' 41.781" N	83° 22' 8.323" W	Pond-Natural	Metamora	Lapeer, MI	Hadley
WB5K-LA-233	154.52	42° 56' 45.817" N	83° 22' 0.357" W	Pond-Manmade	Metamora	Lapeer, MI	Hadley
WB2TB-LA-323	157.17	42° 58' 25.621" N	83° 20' 27.440" W	Pond-Manmade	Metamora	Lapeer, MI	Elba
WB2TB-LA-377	166.67	42° 58' 52.364" N	83° 9' 24.521" W	Pond-Manmade	Thornville	Lapeer, MI	Attica
WB2K-SC-343	178.24	42° 57' 10.466" N	82° 57' 49.127" W	Pond-Manmade	Allenton	St Clair, MI	Berlin
WB2TB-SC-402	178.36	42° 57' 6.002" N	82° 57' 42.871" W	Pond-Manmade	Allenton	St Clair, MI	Berlin
WB2K-MA-378	184.54	42° 48' 52.083" N	82° 58' 55.688" W	Pond-Manmade	Armada	Macomb, MI	Bruce
WB2K-MA-367	188.38	42° 53' 25.320" N	82° 48' 34.641" W	Pond-Manmade	Memphis	Macomb, MI	Richmond
WB2K-MA-348	188.48	42° 53' 26.586" N	82° 48' 26.455" W	Pond-Natural	Memphis	Macomb, MI	Richmond
WB2K-MA-332	188.56	42° 53' 24.332" N	82° 48' 21.990" W	Pond-Manmade	Memphis	Macomb, MI	Richmond
WB2TB-MA-355	190.02	42° 52' 43.085" N	82° 46' 55.425" W	Pond-Manmade	Memphis	Macomb, MI	Richmond
WB2TB-SC-399	196.12	42° 51' 58.605" N	82° 40' 30.753" W	Pond-Manmade	Adair	St Clair, MI	Columbus
WB1ST-SC-144	197.11	42° 51' 27.679" N	82° 39' 39.337" W	Pond-Manmade	Adair	St Clair, MI	Columbus
WB2TB-SC-359	198.33	42° 50' 36.176" N	82° 39' 4.076" W	Pond-Manmade	Adair	St Clair, MI	Columbus
WB2K-SC-142	200.09	42° 49' 47.504" N	82° 37' 30.371" W	Pond-Manmade	Adair	St Clair, MI	Columbus
WB2K-SC-142	200.10	42° 49' 47.388" N	82° 37' 29.860" W	Pond-Manmade	Rattle Run	St Clair, MI	Columbus
WB2K-SC-144	200.15	42° 49' 47.459" N	82° 37' 25.904" W	Pond-Manmade	Rattle Run	St Clair, MI	Columbus
WB2K-SC-140	200.21	42° 49' 45.966" N	82° 37' 22.524" W	Pond-Manmade	Rattle Run	St Clair, MI	Columbus
WB1K-SC-203	200.83	42° 49' 30.839" N	82° 36' 47.768" W	Pond-Manmade	Rattle Run	St Clair, MI	St Clair
WB1K-SC-185	203.19	42° 48' 31.349" N	82° 34' 38.446" W	Pond-Manmade	Rattle Run	St Clair, MI	China

TABLE 4
Rover Pipeline Project - Market Segment
USACE, Detroit District and MIDEQ, Jackson, Lansing, and SE Michigan Districts
Waters of the U.S. Delineation Report - Drainages in Michigan

Drainage ID	Approx. MP	Latitude	Longitude	Drainage Type	Type	USGS Quad	County, State	Township
Market Segment								
D2K-LE-175	30.43	41° 45' 3.397" N	84° 10' 54.869" W	Ditch (Non-Roadside)	Intermittent	Clayton	Lenawee, MI	Seneca
D1K-LE-101	35.13	41° 48' 39.416" N	84° 9' 24.209" W	Ditch (Non-Roadside)	Ephemeral	Clayton	Lenawee, MI	Seneca
D2K-LE-234	45.84	41° 56' 32.387" N	84° 6' 20.212" W	Ditch (Non-Roadside)	Perennial	Adrian	Lenawee, MI	Adrian
D2K-LE-235	45.96	41° 56' 37.018" N	84° 6' 17.813" W	Ditch (Non-Roadside)	Perennial	Adrian	Lenawee, MI	Adrian
D1K-LE-133	53.47	42° 1' 54.827" N	84° 3' 9.578" W	Ditch (Non-Roadside)	Intermittent	Tipton	Lenawee, MI	Franklin
D1K-WA-290	57.44	42° 5' 9.158" N	84° 2' 1.660" W	Other	Intermittent	Tipton	Washtenaw, MI	Manchester
D1K-WA-169	57.85	42° 5' 24.026" N	84° 1' 43.514" W	Ditch (Non-Roadside)	Intermittent	Tipton	Washtenaw, MI	Manchester
D1K-WA-152	68.63	42° 13' 4.570" N	83° 57' 56.765" W	Ditch (Non-Roadside)	Intermittent	Bridgewater	Washtenaw, MI	Freedom
D2K-WA-112	70.13	42° 14' 21.900" N	83° 57' 50.191" W	Ditch (Non-Roadside)	Intermittent	Bridgewater	Washtenaw, MI	Freedom
D2K-WA-130	77.63	42° 20' 22.538" N	83° 56' 52.370" W	Ditch (Non-Roadside)	Perennial	Dexter	Washtenaw, MI	Lima
D2K-WA-132	77.72	42° 20' 28.497" N	83° 56' 52.759" W	Ditch (Non-Roadside)	Perennial	Dexter	Washtenaw, MI	Dexter
D4K-WA-297	79.57	42° 21' 47.125" N	83° 57' 23.310" W	Other	Ephemeral	Dexter	Washtenaw, MI	Dexter
D2K-WA-209	80.97	42° 22' 38.160" N	83° 57' 56.360" W	Ditch (Non-Roadside)	Perennial	Pinckney	Washtenaw, MI	Dexter
D2K-WA-207	81.24	42° 22' 52.646" N	83° 58' 1.814" W	Ditch (Non-Roadside)	Ephemeral	Pinckney	Washtenaw, MI	Dexter
D1M-LI-238	85.29	42° 26' 8.670" N	83° 45' 36.869" W	Ditch (Roadside)	Intermittent	Hamburg	Livingston, MI	Green Oak
D1K-LI-287	92.74	42° 30' 15.252" N	84° 0' 57.672" W	Ditch (Non-Roadside)	Perennial	Parkers Corners	Livingston, MI	Putnam
D2K-LI-259	98.40	42° 34' 45.883" N	84° 1' 52.720" W	Ditch (Roadside)	Perennial	Parkers Corners	Livingston, MI	Iosco
D2K-LI-261	98.67	42° 34' 58.582" N	84° 2' 0.366" W	Ditch (Roadside)	Perennial	Parkers Corners	Livingston, MI	Iosco
D2K-LI-260	98.68	42° 34' 59.236" N	84° 2' 0.735" W	Ditch (Roadside)	Perennial	Parkers Corners	Livingston, MI	Iosco
D2K-LI-262	98.90	42° 35' 9.233" N	84° 2' 1.334" W	Ditch (Non-Roadside)	Perennial	Parkers Corners	Livingston, MI	Iosco
D2K-LI-272	103.12	42° 38' 47.532" N	84° 2' 7.173" W	Ditch (Non-Roadside)	Perennial	Fowlerville	Livingston, MI	Handy
D6K-LI-100	103.71	42° 39' 18.586" N	84° 2' 6.396" W	Ditch (Non-Roadside)	Perennial	Fowlerville	Livingston, MI	Handy

TABLE 4
Rover Pipeline Project - Market Segment
USACE, Detroit District and MIDEQ, Jackson, Lansing, and SE Michigan Districts
Waters of the U.S. Delineation Report - Drainages in Michigan

Drainage ID	Approx. MP	Latitude	Longitude	Drainage Type	Type	USGS Quad	County, State	Township
Market Segment, cont'd								
D6K-LI-101	103.90	42° 39' 29.878" N	84° 2' 5.240" W	Ditch (Non-Roadside)	Perennial	Fowlerville	Livingston, MI	Handy
D6K-LI-101	103.95	42° 39' 31.485" N	84° 2' 0.046" W	Ditch (Non-Roadside)	Perennial	Fowlerville	Livingston, MI	Howell
D6K-LI-102	104.51	42° 39' 41.254" N	84° 1' 27.773" W	Ditch (Non-Roadside)	Perennial	Fowlerville	Livingston, MI	Howell
D6K-SH-122	119.22	42° 50' 49.470" N	83° 57' 19.793" W	Ditch (Non-Roadside)	Intermittent	Byron	Shiawassee, MI	Burns
D5K-GE-239	121.24	42° 51' 12.246" N	83° 55' 5.478" W	Ditch (Non-Roadside)	Perennial	Byron	Genesee, MI	Argentine
D6K-GE-135	121.52	42° 51' 2.395" N	83° 54' 45.469" W	Ditch (Non-Roadside)	Perennial	Byron	Genesee, MI	Argentine
D5K-GE-240	122.36	42° 51' 17.616" N	83° 53' 48.271" W	Ditch (Roadside)	Perennial	Byron	Genesee, MI	Argentine
D5K-GE-241	123.30	42° 51' 42.748" N	83° 52' 58.239" W	Ditch (Non-Roadside)	Perennial	Byron	Genesee, MI	Argentine
D5K-GE-248	124.23	42° 51' 43.454" N	83° 51' 51.958" W	Ditch (Non-Roadside)	Perennial	Linden	Genesee, MI	Argentine
D2K-GE-276	128.47	42° 51' 54.511" N	83° 47' 5.677" W	Ditch (Non-Roadside)	Perennial	Linden	Genesee, MI	Fenton
D2K-LA-356	170.11	42° 59' 44.034" N	83° 6' 13.372" W	Ditch (Non-Roadside)	Perennial	Almont	Lapeer, MI	Imlay
D2K-LA-377	173.72	42° 58' 54.766" N	83° 2' 7.159" W	Ditch (Non-Roadside)	Intermittent	Almont	Lapeer, MI	Imlay
D2K-LA-383	174.05	42° 58' 38.724" N	83° 2' 5.635" W	Ditch (Roadside)	Intermittent	Almont	Lapeer, MI	Almont
D2K-LA-376	174.40	42° 58' 37.327" N	83° 1' 40.315" W	Ditch (Non-Roadside)	Intermittent	Almont	Lapeer, MI	Almont
D1ST-LA-123A	174.93	42° 58' 18.856" N	83° 1' 9.853" W	Ditch (Non-Roadside)	Intermittent	Almont	Lapeer, MI	Almont
D1ST-LA-123B	174.94	42° 58' 20.438" N	83° 1' 7.727" W	Ditch (Non-Roadside)	Intermittent	Almont	Lapeer, MI	Almont
D1ST-LA-124	174.99	42° 58' 18.319" N	83° 1' 5.645" W	Ditch (Non-Roadside)	Ephemeral	Almont	Lapeer, MI	Almont
D1ST-LA-123	175.07	42° 58' 17.547" N	83° 0' 59.853" W	Ditch (Non-Roadside)	Intermittent	Almont	Lapeer, MI	Almont
D2K-LA-385	175.58	42° 58' 17.699" N	83° 0' 24.639" W	Ditch (Non-Roadside)	Perennial	Almont	Lapeer, MI	Almont
D2K-LA-323	175.76	42° 58' 13.812" N	83° 0' 11.527" W	Ditch (Non-Roadside)	Intermittent	Almont	Lapeer, MI	Almont
D2K-LA-324	175.86	42° 58' 7.987" N	83° 0' 13.509" W	Ditch (Non-Roadside)	Intermittent	Almont	Lapeer, MI	Almont
D2K-LA-326	176.08	42° 57' 58.073" N	83° 0' 8.821" W	Ditch (Roadside)	Intermittent	Almont	Lapeer, MI	Almont

TABLE 4
Rover Pipeline Project - Market Segment
USACE, Detroit District and MIDEQ, Jackson, Lansing, and SE Michigan Districts
Waters of the U.S. Delineation Report - Drainages in Michigan

Drainage ID	Approx. MP	Latitude	Longitude	Drainage Type	Type	USGS Quad	County, State	Township
Market Segment, cont'd								
D2K-SC-336	177.03	42° 57' 37.461" N	82° 59' 7.334" W	Canal	Ephemeral	Allenton	St Clair, MI	Berlin
D2K-SC-338	177.18	42° 57' 34.630" N	82° 58' 57.730" W	Canal	Ephemeral	Allenton	St Clair, MI	Berlin
D2K-SC-340	177.82	42° 57' 18.568" N	82° 58' 17.449" W	Ditch (Non-Roadside)	Intermittent	Allenton	St Clair, MI	Berlin
D2K-SC-341	178.11	42° 57' 12.818" N	82° 57' 58.425" W	Ditch (Roadside)	Intermittent	Allenton	St Clair, MI	Berlin
D2K-SC-342	178.12	42° 57' 12.903" N	82° 57' 57.724" W	Ditch (Roadside)	Intermittent	Allenton	St Clair, MI	Berlin
D1ST-SC-135	178.64	42° 56' 58.298" N	82° 57' 26.741" W	Ditch (Non-Roadside)	Perennial	Allenton	St Clair, MI	Berlin
D2K-SC-360	179.64	42° 56' 35.854" N	82° 56' 25.943" W	Ditch (Non-Roadside)	Perennial	Allenton	St Clair, MI	Berlin
D2K-SC-359	179.69	42° 56' 35.054" N	82° 56' 20.800" W	Ditch (Non-Roadside)	Perennial	Allenton	St Clair, MI	Berlin
D1ST-SC-138	180.38	42° 56' 31.400" N	82° 55' 33.793" W	Ditch (Roadside)	Intermittent	Allenton	St Clair, MI	Berlin
D2TB-SC-389	181.31	42° 56' 9.997" N	82° 54' 38.080" W	Ditch (Non-Roadside)	Ephemeral	Allenton	St Clair, MI	Berlin
D5K-SC-267	181.56	42° 56' 8.537" N	82° 54' 19.842" W	Ditch (Roadside)	Intermittent	Allenton	St Clair, MI	Berlin
D2K-MA-379	184.54	42° 48' 48.061" N	82° 58' 54.959" W	Ditch (Non-Roadside)	Intermittent	Armada	Macomb, MI	Bruce
D2K-SC-361	184.99	42° 54' 22.521" N	82° 51' 42.754" W	Ditch (Non-Roadside)	Perennial	Memphis	St Clair, MI	Riley
D2K-SC-384	185.40	42° 54' 35.593" N	82° 51' 10.798" W	Ditch (Roadside)	Intermittent	Memphis	St Clair, MI	Riley
D2TB-SC-345	185.99	42° 54' 6.882" N	82° 50' 43.160" W	Ditch (Non-Roadside)	Ephemeral	Memphis	St Clair, MI	Riley
D2TB-MA-353	190.39	42° 52' 30.783" N	82° 46' 39.744" W	Ditch (Non-Roadside)	Ephemeral	Memphis	Macomb, MI	Richmond
D2TB-MA-353	190.43	42° 52' 29.231" N	82° 46' 39.709" W	Ditch (Non-Roadside)	Ephemeral	Richmond	Macomb, MI	Richmond
D1ST-SC-131A	197.07	42° 51' 28.550" N	82° 39' 40.935" W	Ditch (Non-Roadside)	Intermittent	Adair	St Clair, MI	Columbus
D1ST-SC-131	197.11	42° 51' 28.914" N	82° 39' 38.729" W	Ditch (Non-Roadside)	Intermittent	Adair	St Clair, MI	Columbus
D1ST-SC-131B	197.14	42° 51' 26.606" N	82° 39' 37.336" W	Ditch (Non-Roadside)	Intermittent	Adair	St Clair, MI	Columbus
D1ST-SC-128	197.25	42° 51' 23.963" N	82° 39' 29.344" W	Ditch (Roadside)	Intermittent	Adair	St Clair, MI	Columbus
D1K-SC-215	198.80	42° 50' 11.748" N	82° 38' 55.950" W	Ditch (Non-Roadside)	Intermittent	Adair	St Clair, MI	Columbus

TABLE 4
Rover Pipeline Project - Market Segment
USACE, Detroit District and MIDEQ, Jackson, Lansing, and SE Michigan Districts
Waters of the U.S. Delineation Report - Drainages in Michigan

Drainage ID	Approx. MP	Latitude	Longitude	Drainage Type	Type	USGS Quad	County, State	Township
Market Segment, cont'd								
D1K-SC-214	198.82	42° 50' 12.645" N	82° 38' 50.389" W	Ditch (Non-Roadside)	Intermittent	Adair	St Clair, MI	Columbus
D2K-SC-162	199.29	42° 50' 3.006" N	82° 38' 21.481" W	Ditch (Non-Roadside)	Intermittent	Adair	St Clair, MI	Columbus
D2K-SC-161	199.42	42° 50' 1.426" N	82° 38' 14.147" W	Ditch (Non-Roadside)	Intermittent	Adair	St Clair, MI	Columbus
D2K-SC-160	199.48	42° 49' 59.920" N	82° 38' 10.322" W	Ditch (Roadside)	Intermittent	Adair	St Clair, MI	Columbus
D1K-SC-215a	199.49	42° 49' 59.970" N	82° 38' 9.561" W	Ditch (Roadside)	Intermittent	Adair	St Clair, MI	Columbus
D1K-SC-216	199.68	42° 49' 56.451" N	82° 37' 56.621" W	Ditch (Non-Roadside)	Intermittent	Adair	St Clair, MI	Columbus
D1K-SC-218	199.77	42° 49' 55.363" N	82° 37' 51.591" W	Ditch (Non-Roadside)	Intermittent	Adair	St Clair, MI	Columbus
D1K-SC-217	199.77	42° 49' 53.172" N	82° 37' 51.593" W	Ditch (Non-Roadside)	Intermittent	Adair	St Clair, MI	Columbus
D1K-SC-186	200.04	42° 49' 50.634" N	82° 37' 33.087" W	Ditch (Non-Roadside)	Intermittent	Adair	St Clair, MI	Columbus
D2K-SC-141	200.09	42° 49' 49.831" N	82° 37' 29.618" W	Ditch (Non-Roadside)	Intermittent	Rattle Run	St Clair, MI	Columbus
D1K-SC-212	200.42	42° 49' 42.062" N	82° 37' 12.414" W	Ditch (Roadside)	Intermittent	Rattle Run	St Clair, MI	Columbus
D2K-SC-149	200.72	42° 49' 33.496" N	82° 36' 56.219" W	Ditch (Roadside)	Ephemeral	Rattle Run	St Clair, MI	Columbus
D1K-SC-200	200.74	42° 49' 31.673" N	82° 36' 55.323" W	Ditch (Roadside)	Intermittent	Rattle Run	St Clair, MI	St Clair
D1K-SC-204	200.79	42° 49' 29.779" N	82° 36' 51.023" W	Ditch (Non-Roadside)	Intermittent	Rattle Run	St Clair, MI	St Clair
D1K-SC-220	200.87	42° 49' 30.093" N	82° 36' 45.450" W	Ditch (Non-Roadside)	Intermittent	Rattle Run	St Clair, MI	St Clair
D2K-SC-155	201.19	42° 49' 22.294" N	82° 36' 30.174" W	Ditch (Non-Roadside)	Ephemeral	Rattle Run	St Clair, MI	St Clair
D1K-SC-223	202.04	42° 48' 59.124" N	82° 35' 43.891" W	Ditch (Non-Roadside)	Intermittent	Rattle Run	St Clair, MI	St Clair
D1K-SC-224	202.26	42° 48' 52.375" N	82° 35' 33.199" W	Ditch (Roadside)	Intermittent	Rattle Run	St Clair, MI	China
D1K-SC-182	203.30	42° 48' 30.433" N	82° 34' 31.404" W	Ditch (Non-Roadside)	Intermittent	Rattle Run	St Clair, MI	China
D1K-SC-183	203.32	42° 48' 30.626" N	82° 34' 29.023" W	Ditch (Roadside)	Ephemeral	Rattle Run	St Clair, MI	China
D1K-SC-205	203.34	42° 48' 29.627" N	82° 34' 28.383" W	Ditch (Roadside)	Intermittent	Rattle Run	St Clair, MI	China
D1K-SC-226	203.88	42° 48' 17.612" N	82° 33' 54.892" W	Ditch (Non-Roadside)	Intermittent	Rattle Run	St Clair, MI	China

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USACE, Detroit District and MIDEQ, Jackson, Lansing, and SE Michigan Districts
Waters of the U.S. Delineation Report - Drainages in Michigan

Drainage ID	Approx. MP	Latitude	Longitude	Drainage Type	Type	USGS Quad	County, State	Township
Market Segment, cont'd								
D1K-SC-225	203.94	42° 48' 16.306" N	82° 33' 51.084" W	Ditch (Non-Roadside)	Intermittent	Rattle Run	St Clair, MI	China
D2K-SC-151	204.02	42° 48' 15.014" N	82° 33' 46.223" W	Ditch (Non-Roadside)	Ephemeral	Rattle Run	St Clair, MI	China
D2K-SC-152	204.11	42° 48' 12.697" N	82° 33' 40.666" W	Ditch (Non-Roadside)	Intermittent	Rattle Run	St Clair, MI	China
D2K-SC-150	204.42	42° 48' 3.797" N	82° 33' 22.695" W	Ditch (Roadside)	Intermittent	Rattle Run	St Clair, MI	China
D1K-SC-209	204.44	42° 48' 3.118" N	82° 33' 20.829" W	Ditch (Roadside)		Rattle Run	St Clair, MI	China
D1K-SC-210	204.59	42° 47' 59.298" N	82° 33' 14.476" W	Ditch (Roadside)		Rattle Run	St Clair, MI	China
D2K-SC-158	204.61	42° 47' 58.382" N	82° 33' 13.728" W	Ditch (Roadside)	Ephemeral	Rattle Run	St Clair, MI	China
D2K-SC-159	204.71	42° 47' 53.640" N	82° 33' 8.057" W	Ditch (Non-Roadside)	Intermittent	Rattle Run	St Clair, MI	China
D1K-SC-208	204.83	42° 47' 53.595" N	82° 32' 59.280" W	Ditch (Non-Roadside)	Intermittent	Rattle Run	St Clair, MI	China
D1K-SC-197	204.98	42° 47' 49.408" N	82° 32' 50.471" W	Ag Ditch	Intermittent	Rattle Run	St Clair, MI	China
D1K-SC-192	205.25	42° 47' 43.138" N	82° 32' 33.562" W	Ag Ditch	Intermittent	Rattle Run	St Clair, MI	China
D1K-SC-233	205.50	42° 47' 34.948" N	82° 32' 19.757" W	Ditch (Non-Roadside)	Intermittent	Rattle Run	St Clair, MI	China
D1K-SC-227	206.72	42° 47' 7.489" N	82° 31' 24.042" W	Ditch (Non-Roadside)	Intermittent	Rattle Run	St Clair, MI	China
D1K-SC-229	206.95	42° 47' 7.452" N	82° 31' 8.008" W	Ditch (Non-Roadside)	Intermittent	Rattle Run	St Clair, MI	China
D1K-SC-230	207.40	42° 46' 53.643" N	82° 30' 46.200" W	Ditch (Roadside)	Intermittent	Rattle Run	St Clair, MI	China