

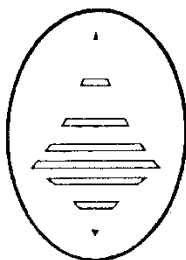
WETLAND DELINEATION REPORT

JAY COUNTY PROPERTY

Prepared for:

**JAY COUNTY DEVELOPMENT CORP.
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**WETLAND DELINEATION REPORT
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EXECUTIVE SUMMARY

A wetland delineation for the 75-acre Jay County Property site in Portland (Jay County, Indiana) was completed on 6, 7, & 11 June 2024. The wetland delineation was performed using the routine on-site determination method as set forth by the 1987 *Corps of Engineers Wetlands Delineation Manual* and *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Midwest Region (Version 2.0)*.

Under Sections 404 and 401 of the Clean Water Act, the Army Corps of Engineers (ACOE) and/or the Indiana Department of Environmental Management (IDEM) have jurisdiction over *waters of the United States*. This includes wetlands and other *waters* that meet the definition of a *waters of the United States*. Wetlands not regulated under Section 401 and 404 of the Clean Water Act may be regulated by the State of Indiana under IC 13-18-22. Any activity that involves the placement of fill and/or excavation within these jurisdictional areas may require notification and authorization of the appropriate regulatory agency. Jurisdictional status of *waters* identified within this report is based on **Earth Source**, Inc.'s interpretation and understanding of the definition and scope of *waters of the United States* protected under the Clean Water Act and related communications with ACOE Division and District personnel.

As illustrated by the attached wetland delineation plan (J7), 26.79 acres of wetland and 1,879 linear feet of drain were identified within the project limits, of which 0.15 acres of wetland is considered non-jurisdictional (isolated), and 26.64 acres of wetland and 1,879 linear feet of drain is considered jurisdictional *Waters of the United States* (Table 1).

TABLE 1. SUMMARY OF WATERS

Wetlands	Size	Description
Section I	23.92 acres	Forested/Scrub-Shrub Wetland
Section II	0.03 acres	Forested Wetland
Section III	1.20 acres	Forested Wetland
Section IV	0.70 acres	Forested Wetland
Section V	<0.01 acres	Forested Wetland
Section VI	0.09 acres	Forested Wetland, Isolated
Section VII	0.06 acres	Forested Wetland, Isolated
Section VIII	0.78 acres	Forested Wetland
Drains	Length	Description
Drain 1	1,879 L.F.	Intermittent Drain – Unnamed Tributary to Salamonie Creek

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INTRODUCTION

A wetland delineation for the 75-acre Jay County Property site in Portland (Jay County, Indiana) was completed on 6, 7, and 11 June 2024 (limits of delineation noted on attached plans J2 – J8). Site conditions were partly cloudy and 65°F on 6 June, sunny and 70°F on 7 June, and sunny and 55°F on 11 June, ground conditions were unobscured. The project is located in Wayne Township (T23N, R14E, Section 19) in Jay County, Indiana (Latitude: 40.431217°, Longitude: -85.006968°, WGS 84). The wetland delineation was performed using the routine on-site determination method as set forth by 1987 *Corps of Engineers Wetlands Delineation Manual* and *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Midwest Region (Version 2.0)*.

METHODOLOGY

Four (4) transects were set perpendicular to the baseline and modified to encompass all areas and community types within the site boundary. Data stations included areas identified by soils data, the U.S. Fish and Wildlife Service (FWS) National Wetland Inventory, and Aerial Photography as potential wetlands. Soil, hydrology, and vegetation data were collected for each cover type encountered.

The three criteria required for the determination of an area to be a wetland are 1) Hydric Soils, 2) Wetland Hydrology, and 3) Dominance of Hydrophytic Vegetation. **Hydric Soils** criteria are met with a hydric soils listing and/or the presence of Histosols (organic soils - peat or muck), a histic epipedon, or reduced mineral soils with low matrix chroma of 2 or less with mottles, or with a matrix chroma of 1 without mottles, or gleyed soils, and/or the presence of other hydric soil indicators such as an aquic or peraquic moisture regime, ponding or a water table near the surface for at least one week during the growing season. **Wetland Hydrology** criteria are met or assumed by the presence of inundation or saturated soils and/or the confirmed presence of hydrologic field indicators such as water marks, debris deposits or morphological plant adaptations to life in anaerobic soil conditions. **Hydrophytic Vegetation** is a plant adapted to life in permanently or periodically inundated or saturated soil conditions. Wetland vegetation is characterized as an obligate, facultative wetland, or facultative species dependent upon the frequency these species are found in wetlands. The Hydrophytic Vegetation criterion is met when, upon identification of the dominant plant species in each stratum or layer of the plant community, a dominance (greater than 50 percent) of obligate, facultative wetland or facultative species is indicated. The hydrophytic vegetation criterion was based upon persistent vegetation. In order for an area to be determined as a wetland, all three criteria must be positively identified.

In order for an area to be subject to federal regulation, all three wetland criteria must be positively identified, and the area must meet the current definition of *waters of the United States*.

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WETLAND DELINEATION SUMMARY

Eight (8) wetlands and one (1) drain were identified within the limits of the site. The wetland delineation was performed using the routine on-site determination method as set forth by 1987 Corps of Engineers Wetlands Delineation Manual and Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Midwest Region (Version 2.0). Based on the three 30-day periods preceding the wetland delineation, the delineation was conducted in a "Normal" (6-7 June) and "Drier-than-Normal" (11 June) year compared to the precipitation totals from the preceding 30 years. A discussion of the delineated water resources found on the site is presented below.

Waters of the United States

One (1) drain and six (6) wetlands within the limits of the site were identified as jurisdictional *waters of the United States*. The delineated areas appear to have a discernable surface water connection to other *waters of the United States* and appear to meet the definition of *waters of the United States* as defined by 33 CFR 328.3 (a).

Drain 1: Drain 1 is an open, intermittent drain identified as an Unnamed Tributary to Salamonie Creek. The drain begins east of the site and flows west along the southern boundary. After that, the drain continues to flow west and south until it enters Salamonie Creek. Drain 1 is charged by a culvert carrying off-site drainage from the south side of the railroad onto the site. The open drain is delineated at the Ordinary High Water Mark (OHWM). The OHWM was determined in the field by the presence of a definitive bed and bank and scour marks. The drain averaged 8 feet wide with no water flowing at the time of delineation. The drain is classified as Riverine, Intermittent, Streambed (R4SB) system (Cowardin 1979). As illustrated by the attached wetland delineation plan (J7), the delineated length is 1,879 linear feet. Below is a typical data point taken from within Drain 1 (Appendix A: Data Form T1P8, T3P14).

SECTION I: Section I is a forested/scrub-shrub wetland located throughout the project site. The wetland is charged by rainfall, upland runoff, and a seasonally high water table and drains south to Drain 1. This section is classified as a Palustrine, Forested/Scrub-Shrub, Deciduous, Seasonally Flooded (PFO/SS1C) system (Cowardin 1979). As illustrated by the attached wetland delineation plan (J7), the delineated area is 23.92 acres of wetland. Below is a typical data point taken from within Section I (Appendix A: Data Forms T1P3, T1P5, T1P7, T2P1, T2P3, T2P6, T3P2, T3P4, T3P8, T4P2, T4P3, and T4P5).

Hydric Soil: This area is listed by the Jay County Soil Survey as Pewamo silty clay. The Pewamo series is listed as hydric or may have hydric soil inclusions that meet the hydric soil criteria per the Natural Resources Conservation Service, United States Department of Agriculture, State Hydric Soils List. The observed soil was silty clay loam with matrix color at ten (10) inches below the surface of 10YR 4/1 with 5% redox concentrations of 10YR 4/6 (Munsell Soil Color, 1992). The hydric soil criterion is met by the presence of hydric soil indicators: depleted matrix (F3).

Hydrology: Visual observations of hydrology included saturation at the soil surface and areas of less than one inch of inundation within the wetland. Primary indicators of

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hydrology, as defined by TRY-87-1 and Midwest Regional Supplement, included Saturation (A3) and Sparsely Vegetated Concave Surface (B8). Secondary indicators of wetland hydrology, as defined by TRY-87-1 and Midwest Regional Supplement, included Geomorphic Position (D2) and FAC-Neutral Test (D5). The wetland hydrology criterion is met by the presence of primary and two (2) secondary indicators.

Vegetation: The wetland vegetation criterion is met with greater than 50% of the dominant plant species across all strata are rated OBL, FACW, or FAC or prevalence index of 3.0 or less if hydric soils and hydrology indicators are present unless disturbed or problematic. Dominant species from each stratum were determined by the “50/20 rule” and are marked with an asterisk (*). Below is the vegetation data from T3P4 (Appendix A) that represents a typical data point for the wetland community type:

Tree Stratum Species List (30-ft radius):

Pin Oak*	<i>Quercus palustris</i>	FACW
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Sapling/Shrub Stratum Species List (15-ft radius):

Green Ash*	<i>Fraxinus pennsylvanica</i>	FACW
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Herbaceous Stratum Species List (5-ft radius):

Pin Oak*	<i>Quercus palustris</i>	FACW
Fowl Manna Grass*	<i>Glyceria striata</i>	OBL
White-Panicled American-Aster	<i>Symphotrichum lanceolatum</i>	FAC
Lakebank Sedge	<i>Carex lacustris</i>	OBL
Common Fox Sedge	<i>Carex vulpinoidea</i>	FACW

The total number of dominant species across all strata was four (4) for this data point. The percent of dominant species that are OBL, FACW, or FAC is 100%. Hydrophytic vegetation indicator is met by the dominance test.

SECTION II: Section II is a forested wetland located in a depression south of Drain 1. The wetland is charged by rainfall, upland runoff, and a seasonally high water table and drains east to Drain 1. This section is classified as a Palustrine, Forested, Deciduous, Temporarily Flooded (PFO1A) system (Cowardin 1979). As illustrated by the attached wetland delineation plan (J7), the delineated area is 0.03 acres of wetland. Below is a typical data point taken from within Section II (Appendix A: Data Forms T3P13).

Hydric Soil: This area is listed by the Jay County Soil Survey as Blount-Glynwood complex. The Blount and Glynwood series are listed as hydric or may have hydric soil inclusions that meet the hydric soil criteria per the Natural Resources Conservation Service, United States Department of Agriculture, State Hydric Soils List. The observed soil was silty clay loam with matrix color at ten (10) inches below the surface of 10YR 3/1 with 10% redox concentrations of 10YR 4/6 (Munsell Soil Color, 1992). The hydric soil criterion is met by the presence of hydric soil indicators: redox dark surface (F6).

Hydrology: Visual observations of hydrology were not present. Primary indicators of hydrology, as defined by TRY-87-1 and Midwest Regional Supplement, included Sparsely Vegetated Concave Surface (B8). Secondary indicators of wetland hydrology, as defined by TRY-87-1 and Midwest Regional Supplement, included Geomorphic Position (D2) and

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FAC-Neutral Test (D5). The wetland hydrology criterion is met by the presence of two (2) secondary indicators.

Vegetation: The wetland vegetation criterion is met with greater than 50% of the dominant plant species across all strata are rated OBL, FACW, or FAC or prevalence index of 3.0 or less if hydric soils and hydrology indicators are present unless disturbed or problematic. Dominant species from each stratum were determined by the “50/20 rule” and are marked with an asterisk (*). Below is the vegetation data from T3P13 (Appendix A) that represents a typical data point for the wetland community type:

Tree Stratum Species List (30-ft radius):

American Elm*	<i>Ulmus americana</i>	FACW
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Sapling/Shrub Stratum Species List (15-ft radius):

Green Ash*	<i>Fraxinus pennsylvanica</i>	FACW
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Herbaceous Stratum Species List (5-ft radius):

Virginia-Creeper*	<i>Parthenocissus quinquefolia</i>	FACU
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The total number of dominant species across all strata was three (3) for this data point. The percent of dominant species that are OBL, FACW, or FAC is 67%. Hydrophytic vegetation indicator is met by the dominance test.

SECTION III: Section III is a forested/scrub-shrub wetland located throughout the project site. The wetland is charged by rainfall, upland runoff, and a seasonally high water table and drains north to Section I, and ultimately to Drain 1. This section is classified as a Palustrine, Forested, Deciduous, Seasonally Flooded (PFO1C) system (Cowardin 1979). As illustrated by the attached wetland delineation plan (J7), the delineated area is 1.20 acres of wetland. Below is a typical data point taken from within Section III (Appendix A: Data Forms T3P6).

Hydric Soil: This area is listed by the Jay County Soil Survey as Brookston-Glynwood complex. The Brookston and Glynwood series are listed as hydric or may have hydric soil inclusions that meet the hydric soil criteria per the Natural Resources Conservation Service, United States Department of Agriculture, State Hydric Soils List. The observed soil was silty clay loam with matrix color at ten (10) inches below the surface of 10YR 4/1 with 10% redox concentrations of 10YR 4/6 (Munsell Soil Color, 1992). The hydric soil criterion is met by the presence of hydric soil indicators: depleted matrix (F3).

Hydrology: Visual observations of hydrology included saturation at the soil surface and areas of less than one inch of inundation within the wetland. Primary indicators of hydrology, as defined by TRY-87-1 and Midwest Regional Supplement, included Sparsely Vegetated Concave Surface (B8) and Water-Stained Leaves (B9). Secondary indicators of wetland hydrology, as defined by TRY-87-1 and Midwest Regional Supplement, included Geomorphic Position (D2) and FAC-Neutral Test (D5). The wetland hydrology criterion is met by the presence of primary and two (2) secondary indicators.

Vegetation: The wetland vegetation criterion is met with greater than 50% of the dominant plant species across all strata are rated OBL, FACW, or FAC or prevalence index of 3.0 or less if hydric soils and hydrology indicators are present unless disturbed or problematic.

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Dominant species from each stratum were determined by the “50/20 rule” and are marked with an asterisk (*). Below is the vegetation data from T3P6 (Appendix A) that represents a typical data point for the wetland community type:

Tree Stratum Species List (30-ft radius):

Pin Oak*	<i>Quercus palustris</i>	FACW
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Sapling/Shrub Stratum Species List (15-ft radius):

American Elm*	<i>Ulmus americana</i>	FACW
Pin Oak*	<i>Quercus palustris</i>	FACW

Herbaceous Stratum Species List (5-ft radius):

Pin Oak*	<i>Quercus palustris</i>	FACW
Eastern Poison Ivy*	<i>Toxicodendron radicans</i>	FAC

The total number of dominant species across all strata was five (5) for this data point. The percent of dominant species that are OBL, FACW, or FAC is 100%. Hydrophytic vegetation indicator is met by the dominance test.

SECTION IV: Section IV is a forested wetland located just north of Drain 1, in the southern portion of the project site. The wetland is charged by rainfall, upland runoff, and a seasonally high water table and drains south to Drain 1 via Swale 2. This section is classified as a Palustrine, Forested, Deciduous, Seasonally Flooded (PFO1C) system (Cowardin 1979). As illustrated by the attached wetland delineation plan (J7), the delineated area is 0.70 acres of wetland. Below is a typical data point taken from within Section IV (Appendix A: Data Forms T3P10).

Hydric Soil: This area is listed by the Jay County Soil Survey as Brookston-Glynwood complex. The Brookston and Glynwood series are listed as hydric or may have hydric soil inclusions that meet the hydric soil criteria per the Natural Resources Conservation Service, United States Department of Agriculture, State Hydric Soils List. The observed soil was silty clay loam with matrix color at ten (10) inches below the surface of 10YR 4/1 with 5% redox concentrations of 10YR 4/6 (Munsell Soil Color, 1992). The hydric soil criterion is met by the presence of hydric soil indicators: depleted matrix (F3).

Hydrology: Visual observations of hydrology were not present. Primary indicators of hydrology, as defined by TRY-87-1 and Midwest Regional Supplement, included Sparsely Vegetated Concave Surface (B8). Secondary indicators of wetland hydrology, as defined by TRY-87-1 and Midwest Regional Supplement, included Geomorphic Position (D2) and FAC-Neutral Test (D5). The wetland hydrology criterion is met by the presence of primary and two (2) secondary indicators.

Vegetation: The wetland vegetation criterion is met with greater than 50% of the dominant plant species across all strata are rated OBL, FACW, or FAC or prevalence index of 3.0 or less if hydric soils and hydrology indicators are present unless disturbed or problematic. Dominant species from each stratum were determined by the “50/20 rule” and are marked with an asterisk (*). Below is the vegetation data from T3P10 (Appendix A) that represents a typical data point for the wetland community type:

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Tree Stratum Species List (30-ft radius):

Pin Oak*	<i>Quercus palustris</i>	FACW
American Elm*	<i>Ulmus americana</i>	FACW

Sapling/Shrub Stratum Species List (15-ft radius):

American Elm*	<i>Ulmus americana</i>	FACW
Green Ash*	<i>Fraxinus pennsylvanica</i>	FACW
Cock-Spur Hawthorn*	<i>Crataegus crus-galli</i>	FAC

Herbaceous Stratum Species List (5-ft radius):

Green Ash*	<i>Fraxinus pennsylvanica</i>	FACW
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The total number of dominant species across all strata was six (6) for this data point. The percent of dominant species that are OBL, FACW, or FAC is 100%. Hydrophytic vegetation indicator is met by the dominance test.

SECTION V: Section V is a forested wetland located in an old oxbow off of Drain 1. The wetland is charged by rainfall, upland runoff, and a seasonally high water table and drains south to Drain 1. This section is classified as a Palustrine, Forested, Deciduous, Seasonally Flooded (PFO/SS1C) system (Cowardin 1979). As illustrated by the attached wetland delineation plan (J7), the delineated area is less than 0.01 acres of wetland. Below is a typical data point taken from within Section V (Appendix A: Data Forms T4P12).

Hydric Soil: This area is listed by the Jay County Soil Survey as Pewamo silty clay. The Pewamo series is listed as hydric or may have hydric soil inclusions that meet the hydric soil criteria per the Natural Resources Conservation Service, United States Department of Agriculture, State Hydric Soils List. The observed soil was silty clay with matrix color at ten (10) inches below the surface of 10YR 4/1 with 20% redox concentrations of 10YR 4/6 (Munsell Soil Color, 1992). The hydric soil criterion is met by the presence of hydric soil indicators: depleted matrix (F3).

Hydrology: Visual observations of hydrology included saturation at the soil surface. Primary indicators of hydrology, as defined by TRY-87-1 and Midwest Regional Supplement, included Saturation (A3) and Sparsely Vegetated Concave Surface (B8). Secondary indicators of wetland hydrology, as defined by TRY-87-1 and Midwest Regional Supplement, included Geomorphic Position (D2) and FAC-Neutral Test (D5). The wetland hydrology criterion is met by the presence of primary and two (2) secondary indicators.

Vegetation: The wetland vegetation criterion is met with greater than 50% of the dominant plant species across all strata are rated OBL, FACW, or FAC or prevalence index of 3.0 or less if hydric soils and hydrology indicators are present unless disturbed or problematic. Dominant species from each stratum were determined by the "50/20 rule" and are marked with an asterisk (*). Below is the vegetation data from T4P12 (Appendix A) that represents a typical data point for the wetland community type:

Sapling/Shrub Stratum Species List (15-ft radius):

Norther Spicebush*	<i>Lindera benzoin</i>	FACW
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Herbaceous Stratum Species List (5-ft radius):

Spotted Touch-Me-Not*	<i>Impatiens capensis</i>	FACW
Jumpseed*	<i>Persicaria virginiana</i>	FAC
Broad-Leaf Enchanter's-Nightshade*	<i>Circaea canadensis</i>	FACU

The total number of dominant species across all strata was four (4) for this data point. The percent of dominant species that are OBL, FACW, or FAC is 75%. Hydrophytic vegetation indicator is met by the dominance test.

SECTION VIII: Section VIII is a forested wetland located near the west property boundary. The wetland is charged by rainfall, upland runoff, and a seasonally high water table and drains south to Drain 1 via Swale 3. This section is classified as a Palustrine, Forested, Deciduous, Seasonally Flooded (PFO1C) system (Cowardin 1979). As illustrated by the attached wetland delineation plan (J7), the delineated area is 0.78 acres of wetland. Below is a typical data point taken from within Section VIII (Appendix A: Data Forms T4P7 and T4P9).

Hydric Soil: This area is listed by the Jay County Soil Survey as Pewamo silty clay. The Pewamo series is listed as hydric or may have hydric soil inclusions that meet the hydric soil criteria per the Natural Resources Conservation Service, United States Department of Agriculture, State Hydric Soils List. The observed soil was silty clay loam with matrix color at ten (10) inches below the surface of 10YR 3/1 with 20% redox concentrations of 10YR 4/6 (Munsell Soil Color, 1992). The hydric soil criterion is met by the presence of hydric soil indicators: redox dark surface (F6).

Hydrology: Visual observations of hydrology were not present. Primary indicators of hydrology, as defined by TRY-87-1 and Midwest Regional Supplement, included Sparsely Vegetated Concave Surface (B8). Secondary indicators of wetland hydrology, as defined by TRY-87-1 and Midwest Regional Supplement, included Geomorphic Position (D2) and FAC-Neutral Test (D5). The wetland hydrology criterion is met by the presence of primary and two (2) secondary indicators.

Vegetation: The wetland vegetation criterion is met with greater than 50% of the dominant plant species across all strata are rated OBL, FACW, or FAC or prevalence index of 3.0 or less if hydric soils and hydrology indicators are present unless disturbed or problematic. Dominant species from each stratum were determined by the "50/20 rule" and are marked with an asterisk (*). Below is the vegetation data from T4P9 (Appendix A) that represents a typical data point for the wetland community type:

Tree Stratum Species List (30-ft radius):

Shell-Bark Hickory*	<i>Carya laciniosa</i>	FACW
Swamp White Oak*	<i>Quercus bicolor</i>	FACW

Sapling/Shrub Stratum Species List (15-ft radius):

American Elm*	<i>Ulmus americana</i>	FACW
American Hornbeam*	<i>Carpinus caroliniana</i>	FAC
Green Ash	<i>Fraxinus pennsylvanica</i>	FACW

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Herbaceous Stratum Species List (5-ft radius):

Green Ash*	<i>Fraxinus pennsylvanica</i>	FACW
Jumpseed*	<i>Persicaria virginiana</i>	FAC
Spotted Touch-Me-Not*	<i>Impatiens capensis</i>	FACW

The total number of dominant species across all strata was seven (7) for this data point. The percent of dominant species that are OBL, FACW, or FAC is 100%. Hydrophytic vegetation indicator is met by the dominance test.

Isolated Wetlands

Two (2) isolated wetlands were identified within the limits of the site. The delineated areas do not appear to have a discernable surface water or tile connection to other *waters of the United States* and do not appear to meet the definition of *waters of the United States* as defined by 33 CFR 328.3 (a) and consistent with the SWANCC, Rapanos and Sackett decisions. For isolated, intrastate, non-navigable waters, ACOE jurisdiction may be possible if their use, degradation, or destruction could affect interstate commerce as described in 33 CFR 328.3 (a) (3) (i)-(iii).

SECTION VI: Section VI is a forested wetland located in a depression near the south property boundary and is impounded by the railroad to the south. The wetland is charged by rainfall and upland runoff. The wetland does not have a discernable surface water connection to other waters. This section is classified as a Palustrine, Forested, Deciduous, Seasonally Flooded (PFO1A) system (Cowardin 1979). As illustrated by the attached wetland delineation plan (J7), the delineated area is 0.09 acres of wetland. Below is a typical data point taken from within Section VI (Appendix A: Data Form T4P16).

Hydric Soil: This area is listed by the Jay County Soil Survey as Glynwood silt loam. The Glynwood series is listed as hydric or may have hydric soil inclusions that meet the hydric soil criteria per the Natural Resources Conservation Service, United States Department of Agriculture, State Hydric Soils List. The observed soil was cobblestone overlain with silty clay loam with matrix color of 10YR 2/1 with 5% redox concentrations of 10YR 4/6 (Munsell Soil Color, 1992). The hydric soil criterion is met by the presence of hydric soil indicators: redox dark surface (F6).

Hydrology: Visual observations of hydrology were not present. Primary indicators of hydrology, as defined by TRY-87-1 and Midwest Regional Supplement, were Sparsely Vegetated Concave Surface (B8). Secondary indicators of wetland hydrology, as defined by TRY-87-1 and Midwest Regional Supplement, included Geomorphic Position (D2) and FAC-Neutral Test (D5). The wetland hydrology criterion is met by the presence of primary and two (2) secondary indicators.

Vegetation: The wetland vegetation criterion is met with greater than 50% of the dominant plant species across all strata are rated OBL, FACW, or FAC or prevalence index of 3.0 or less if hydric soils and hydrology indicators are present unless disturbed or problematic. Dominant species from each stratum were determined by the “50/20 rule” and are marked with an asterisk (*). Below is the vegetation data from T4P16 (Appendix A) that represents a typical data point for the wetland community type.

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Tree Stratum Species List (30-ft radius):

American Elm*	<i>Ulmus americana</i>	FACW
Red Oak*	<i>Quercus rubra</i>	FACU
Swamp White Oak	<i>Quercus bicolor</i>	FACW

Sapling/Shrub Stratum Species List (15-ft radius):

Swamp White Oak*	<i>Quercus bicolor</i>	FACW
Ohio Buckeye*	<i>Aesculus glabra</i>	FAC

Herbaceous Stratum Species List (5-ft radius):

Green Ash*	<i>Fraxinus pennsylvanica</i>	FACW
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The total number of dominant species across all strata was five (5) for this data point. The percent of dominant species that are OBL, FACW, or FAC is 80%. Hydrophytic vegetation indicator is met by the dominance test.

SECTION VII: Section VII is a forested wetland located in a depression south of Drain 1. The wetland is charged by rainfall and upland runoff. This wetland is impounded on the south by a berm. The wetland does not have a discernable surface water connection to other waters. This section is classified as a Palustrine, Forested, Deciduous, Seasonally Flooded, farmed (PFO1C) system (Cowardin 1979). As illustrated by the attached wetland delineation plan (J7), the delineated area is 0.06 acres of wetland. Below is a typical data point taken from within Section VII (Appendix A: Data Form T4P13).

Hydric Soil: This area is listed by the Jay County Soil Survey as Glynwood silt loam. The Glynwood series is listed as hydric or may have hydric soil inclusions that meet the hydric soil criteria per the Natural Resources Conservation Service, United States Department of Agriculture, State Hydric Soils List. The observed soil was silty clay loam with matrix color at ten (10) inches below the surface of 10YR 4/1 with 5% redox concentrations of 10YR 4/6 (Munsell Soil Color, 1992). The hydric soil criterion is met by the presence of hydric soil indicators: depleted below dark surface (A11) and depleted matrix (F3).

Hydrology: Visual observations of hydrology included saturation to the soil surface. Primary indicators of hydrology, as defined by TRY-87-1 and Midwest Regional Supplement, included Saturation (A3) and Sparsely Vegetated Concave Surface (B8). Secondary indicators of wetland hydrology, as defined by TRY-87-1 and Midwest Regional Supplement, included Geomorphic Position (D2) and FAC-Neutral Test (D5). The wetland hydrology criterion is met by the presence of primary and two (2) secondary indicators.

Vegetation: The wetland vegetation criterion is met with greater than 50% of the dominant plant species across all strata are rated OBL, FACW, or FAC or prevalence index of 3.0 or less if hydric soils and hydrology indicators are present unless disturbed or problematic. Dominant species from each stratum were determined by the "50/20 rule" and are marked with an asterisk (*). Below is the vegetation data from T4P13 (Appendix A) that represents a typical data point for the wetland community type:

Sapling/Shrub Stratum Species List (15-ft radius):

American Elm*	<i>Ulmus americana</i>	FACW
Green Ash*	<i>Fraxinus pennsylvanica</i>	FACW

WETLAND DELINEATION REPORT
JAY COUNTY PROPERTY: JAY COUNTY, INDIANA

Herbaceous Stratum Species List (5-ft radius):

Virginia-Creeper*	<i>Parthenocissus quinquefolia</i>	FACU
Troublesome Sedge*	<i>Carex molesta</i>	FAC
Green Ash	<i>Fraxinus pennsylvanica</i>	FACW
Lakebank Sedge	<i>Carex lacustris</i>	OBL
Rough-Leaf Dogwood	<i>Cornus drummondii</i>	FAC

The total number of dominant species across all strata was four (4) for this data point. The percent of dominant species that are OBL, FACW, or FAC is 75%. Hydrophytic vegetation indicator is met by the dominance test.

**WETLAND DELINEATION REPORT
JAY COUNTY PROPERTY: JAY COUNTY, INDIANA**

CONCLUSIONS AND RECOMMENDATIONS

In Indiana, *waters of the United States*, including wetlands, are subject to regulation by the Army Corps of Engineers (ACOE) and/or the Indiana Department of Environmental Management (IDEM). Under Sections 404 and 401 of the Clean Water Act, the ACOE and/or the IDEM have jurisdiction over any activity that involves the placement of fill into, and/or excavation of, a delineated *water of the United States*. Wetlands located adjacent to *waters of the United States* or that have a connection to interstate commerce are considered *waters of the United States*.

Sections VI and VII were determined to be isolated waters, and Sections I, II, III, IV, V, and VIII and Drain 1 were determined to be potential *Waters of the United States*. The ACOE is the regulatory authority with regard to wetlands or other *waters of the United States*. *Waters* not regulated under Section 401 and 404 of the Clean Water Act are regulated by the State of Indiana under IC 13-18-22.

Generally, impacts (fill and/or drainage) to federally and state regulated wetland areas will require notification and authorization through the ACOE and IDEM. In general, if impacts are limited to less than 1,500 linear feet (not to exceed 1.0 acre) of a stream channel or 1.0 acre of headwater wetlands or other *waters of the United States*, the project may qualify for authorization under the Regional or Nationwide General Permit Program (RGP & NWP). The general permit program is a simplified process that provides for general permits within a 45 to 60-day time frame. Impacts to greater than 1,500 linear feet of stream channel or 1.0 acre of headwater wetland will require an Individual Permit. The Individual permit process requires a more intensive and lengthy review of the project, practical alternatives analysis, 30-day public notice period, and potential public hearing. The average Individual Permit process will run 4 to 6 months. In either case, permitted impacts will require mitigation or replacement, generally at a ratio greater than that of the area impacted. Normal mitigation ratios are 2:1 replacement for impacts to emergent wetlands; 3:1 for scrub/shrub wetlands; and 4:1 for forested impacts. Impacts to less than 0.10 acre and 300 linear feet of *waters of the United States* typically will not require mitigation but involve submittal of notification to the agencies at least 30 days prior to project initiation.

In order for a wetland to be classified as isolated an approved jurisdictional determination must be provided by the ACOE. Wetland "Class" must be approved by IDEM and typically, a notice of exemption is to be filed with IDEM. Exempt isolated wetlands are "Class I" wetlands and "Class II" wetlands described as the following and may limited to the larger of: 1) the acreage of an individual isolated "Class II" wetland delineated as three-eighths (3/8) acre or less; 2) sixty percent (60%) of the cumulative acreage of all individual isolated "Class II" wetlands delineated as three-eighths (3/8) acre or less. "Exempt" waters of the State (isolated wetlands), typically will not require mitigation but involve submittal of notification to the agencies at least 15 days prior to project initiation. A permit is not required for dredge and fill activities in a "Class II" wetland that is 1) located within the boundaries of a municipality and 2) has a delineated area of not more than three-fourths (3/4) acre. Impacts to "Class II" wetlands that meet these criteria typically will not require mitigation, but involve submittal of notification to the agencies prior to project initiation. For isolated wetlands, impacts to "Class III" wetlands will require an Individual Permit. Non-exempt "Class II" wetlands may qualify for the general permit program analogous to those allowed under the RGP and NWP for minimal impacts, or otherwise requires an Individual

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**WETLAND DELINEATION REPORT
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Permit. Compensatory mitigation shall be provided in accordance with the following Table 2:

Table 2. Isolated Wetland Compensatory Mitigation Ratios

Wetland Class	Replacement Class	On-site and In-Lieu Fee Ratio	Off-site Ratio
Class II	Class II or III	1.5 to 1 Non-forested	2 to 1 Non-forested
		2 to 1 Forested	2.5 to 1 Forested
Class III	Class III	2 to 1 Non-forested	2.5 to 1 Non-forested
		2.5 to 1 Forested	3 to 1 Forested

Compensatory mitigation ratios may be lowered to 1 to 1 if the mitigation is completed before the initiation of the wetland activity. Also, exempt isolated wetlands may be used to provide compensatory mitigation for wetlands activities in state regulated wetlands.

**WETLAND DELINEATION REPORT
JAY COUNTY PROPERTY: JAY COUNTY, INDIANA**

SUMMARY OF ACRONYMS AND REFERENCES

Indicator Status Acronyms:

OBL (Obligate Wetland). Occur almost always in wetlands.
FACW (Facultative Wetland). Usually occur in wetlands.
FAC (Facultative). Likely to occur in wetlands or uplands.
FACU (Facultative Upland). Usually occur in uplands.
UPL (Obligate Upland). Occur almost always in uplands.
N/I (No Indicator). Indicator status unavailable.

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APPENDIX A

DATA FORMS

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/6/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T1P1
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Plain Local relief (concave, convex, none): None
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Pewamo silty clay NWI classification: None
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes <u> </u>	No <u>X</u>	Is the Sampled Area Within a Wetland? Yes <u> </u> No <u>X</u>
Hydric Soil Present?	Yes <u> </u>	No <u>X</u>	
Wetland Hydrology Present?	Yes <u> </u>	No <u>X</u>	
Remarks: Upland mown lawn			

Vegetation – Use scientific names of plants.

Tree Stratum	(Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That are OBL, FACW, or FAC: <u>33</u> (A/B)
1.					
2.					
3.					
4.					
5.					
		= Total Cover			
Sapling/Shrub Stratum	(Plot size): 15-ft radius				Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: OBL species <u> </u> x 1 = <u> </u> FACW species <u> </u> x 2 = <u> </u> FAC species <u> </u> x 3 = <u> </u> FACU species <u> </u> x 4 = <u> </u> UPL species <u> </u> x 5 = <u> </u> Column Totals: <u> </u> (A) <u> </u> (B) Prevalence Index = B/A = <u> </u>
1.					
2.					
3.					
4.					
5.					
		= Total Cover			
Herb Stratum	(Plot size): 5-ft radius				Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation Dominance Test > 50% Prevalence Index is ≤ 3.0 ¹ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1.	<i>Festuca rubra</i>	50	X	FACU	
2.	<i>Trifolium repens</i>	30	X	FACU	
3.	<i>Poa pratensis</i>	20	X	FAC	
4.					
5.					
6.					
7.					
8.					
9.					
10.					
		100 = Total Cover			
Woody Vine Stratum	(Plot size): 30-ft radius				Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>
9.					
10.					
		= Total Cover			
Remarks: (Include photo numbers here or on a separate sheet.)					

SOIL

Sampling Point: T1P1

Profile Description: Describe to the depth needed to document the indicator or confirm the absence of indicators.)							
Depth (inches)	Matrix		Redox Features				
	Color (moist)	% 100	Color	%	Type ¹	Loc ²	Texture
0-24	10YR 4/2						Silt Loam
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix							
Hydric Soil Indicators:						Indicators for Problematic Hydric Soils³:	
☐	Histosol (A1)		☐	Sandy Gleyed matrix (S4)	☐	Coast Prairie Redox (A16)	
☐	Histic Epipedon (A2)		☐	Sandy Redox (S5)	☐	Dark Surface (S7)	
☐	Black Histic (A3)		☐	Stripped Matrix (S6)	☐	Iron-Manganese Masses (F12)	
☐	Hydrogen Sulfide (A4)		☐	Loamy Mucky Mineral (F1)	☐	Very Shallow Dark Surface (TF12)	
☐	Stratified Layers (A5)		☐	Loamy Gleyed Matrix (F2)	☐	Other (Explain in Remarks)	
☐	2 cm Muck (A10)		☐	Depleted matrix (F3)			
☐	Depleted Below Dark Surface (A11)		☐	Redox Dark Surface (F6)		³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	
☐	Thick Dark Surface (A12)		☐	Depleted Dark Surface (F7)			
☐	Sandy Mucky Mineral (S1)		☐	Redox Depressions (F8)			
☐	5 cm Mucky Peat or Peat (S3)						
Restrictive Layer (if observed):							
Type:					Hydric Soil Present?	Yes	No
Depth (in.):						X	
Remarks:							

HYDROLOGY

Wetland Hydrology Indicators:					Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required; checked all that apply)					Secondary Indicators (minimum of two required)	
☐	Surface water (A1)	☐	Water-Stained Leaves (B9)	☐	Surface Soil Cracks (B6)	
☐	High Water Table (A2)	☐	Aquatic Fauna (B13)	☐	Drainage patterns (B10)	
☐	Saturation (A3)	☐	True Aquatic Plants (B14)	☐	Dry-Season Water table (C2)	
☐	Water marks (B1)	☐	Hydrogen Sulfide Odor (C1)	☐	Crayfish Burrows (C8)	
☐	Sediment Deposits (B2)	☐	Oxidized Rhizospheres on Living roots (C3)	☐	Saturation Visible on Aerial Imagery (C9)	
☐	Drift Deposits (B3)	☐	Presence of Reduced Iron (C4)	☐	Stunted or Stressed Plants (D1)	
☐	Algal Mat or Crust (B4)	☐	Recent Iron Reduction in Tilled Soils (C6)	☐	Geomorphic Position (D2)	
☐	Iron Deposits (B5)	☐	Thin Muck Surface (C7)	☐	FAC-Neutral Test (D5)	
☐	Inundation Visible on Aerial Imagery (B7)	☐	Gauge or Well Data (D9)			
☐	Sparsely Vegetated Concave Surface (B8)	☐	Other (Explain in Remarks)			
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): Water Table Present? Yes ☐ No ☒ Depths (inches): Saturation Present? Yes ☐ No ☒ Depths (inches): (includes capillary fringe)					Wetland Hydrology Present? Yes ☐ No ☒	
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:						
Remarks:						

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/6/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T1P2
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Plain Local relief (concave, convex, none): None
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Blount-Glynwood Complex NWI classification: None
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	No	<u>X</u>	Is the Sampled Area Within a Wetland?	Yes	No	<u>X</u>
Hydric Soil Present?	Yes	<u>X</u>	No				
Wetland Hydrology Present?	Yes	No	<u>X</u>				
Remarks: Upland scrub/shrub							

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. <u>Juniperus virginiana</u>	<u>20</u>	<u>X</u>	<u>FACU</u>	Number of Dominant Species That are OBL, FACW or FAC:	<u>2</u> (A)
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	Total Number of Dominant Species Across All Strata:	<u>6</u> (B)
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	Percent of Dominant Species That are OBL, FACW, or FAC:	<u>33</u> (A/B)
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
<u>20</u> = Total Cover					
Sapling/Shrub Stratum (Plot size): 15-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Prevalence Index worksheet:	
1. <u>Cornus drummondii</u>	<u>15</u>	<u>X</u>	<u>FAC</u>	Total % Cover of:	Multiply by:
2. <u>Quercus palustris</u>	<u>10</u>	<u>X</u>	<u>FACW</u>	OBL species <u> </u>	x 1 = <u> </u>
3. <u>Pyrus calleryana</u>	<u>10</u>	<u>X</u>	<u>UPL</u>	FACW species <u> </u>	x 2 = <u> </u>
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	FAC species <u> </u>	x 3 = <u> </u>
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	FACU species <u> </u>	x 4 = <u> </u>
<u>35</u> = Total Cover				UPL species <u> </u>	x 5 = <u> </u>
				Column Totals:	<u> </u> (A) <u> </u> (B)
				Prevalence Index = B/A =	
Herb Stratum (Plot size): 5-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators:	
1. <u>Solidago canadensis</u>	<u>50</u>	<u>X</u>	<u>FACU</u>	Rapid Test for Hydrophytic Vegetation	
2. <u>Dipsacus fullonum</u>	<u>20</u>	<u>X</u>	<u>FACU</u>	Dominance Test > 50%	
3. <u>Toxicodendron radicans</u>	<u>15</u>	<u> </u>	<u>FAC</u>	Prevalence Index is ≤ 3.0 ¹	
4. <u>Apocynum cannabinum</u>	<u>10</u>	<u> </u>	<u>FAC</u>	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)	
5. <u>Cornus drummondii</u>	<u>10</u>	<u> </u>	<u>FAC</u>	Problematic Hydrophytic Vegetation ¹ (Explain)	
6. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
<u>105</u> = Total Cover				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
Woody Vine Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Present?	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	Yes	No <u>X</u>
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
<u> </u> = Total Cover					
Remarks: (Include photo numbers here or on a separate sheet.)					

SOIL

Sampling Point: T1P2

Profile Description: Describe to the depth needed to document the indicator or confirm the absence of indicators.)							
Depth (inches)	Matrix		Redox Features				
	Color (moist)	%	Color	%	Type ¹	Loc ²	Texture
0-12	10YR 4/2	98	10YR 4/6	2	C	M	Silty Clay Loam
12-24	10YR 4/1	95	10YR 4/6	5	C	M	Silty Clay Loam

¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:
☐ Histosol (A1)
☐ Histic Epipedon (A2)
☐ Black Histic (A3)
☐ Hydrogen Sulfide (A4)
☐ Stratified Layers (A5)
☐ 2 cm Muck (A10) _____ X _____
☐ Depleted Below Dark Surface (A11) _____
☐ Thick Dark Surface (A12) _____
☐ Sandy Mucky Mineral (S1) _____
☐ 5 cm Mucky Peat or Peat (S3) _____

Indicators for Problematic Hydric Soils³:
☐ Coast Prairie Redox (A16)
☐ Dark Surface (S7)
☐ Iron-Manganese Masses (F12)
☐ Very Shallow Dark Surface (TF12)
☐ Other (Explain in Remarks) _____

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):
 Type: _____
 Depth (in.): _____

Hydric Soil Present? Yes X No _____

Remarks: _____

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required; checked all that apply)				Secondary Indicators (minimum of two required)	
☐ Surface water (A1)	☐ High Water Table (A2)	☐ Saturation (A3)	☐ Water marks (B1)	☐ Sediment Deposits (B2)	☐ Drift Deposits (B3)
☐ Algal Mat or Crust (B4)	☐ Iron Deposits (B5)	☐ Inundation Visible on Aerial Imagery (B7)	☐ Sparsely Vegetated Concave Surface (B8)	☐ Water-Stained Leaves (B9)	☐ Aquatic Fauna (B13)
☐ True Aquatic Plants (B14)	☐ Hydrogen Sulfide Odor (C1)	☐ Oxidized Rhizospheres on Living roots (C3)	☐ Presence of Reduced Iron (C4)	☐ Recent Iron Reduction in Tilled Soils (C6)	☐ Thin Muck Surface (C7)
☐ Gauge or Well Data (D9)	☐ Other (Explain in Remarks)	☐ Surface Soil Cracks (B6)	☐ Drainage patterns (B10)	☐ Dry-Season Water table (C2)	☐ Crayfish Burrows (C8)
☐ Saturation Visible on Aerial Imagery (C9)	☐ Stunted or Stressed Plants (D1)	☐ Geomorphic Position (D2)	☐ FAC-Neutral Test (D5)		
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): Water Table Present? Yes ☐ No ☒ Depths (inches): <u>>24</u> Saturation Present? Yes ☐ No ☒ Depths (inches): <u>>24</u> (includes capillary fringe)				Wetland Hydrology Present? Yes ☐ No ☒	
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/6/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T1P3
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Pewamo silty clay NWI classification: PFO1C
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	<u>X</u>	No	<u> </u>	Is the Sampled Area Within a Wetland? Yes <u>X</u> No <u> </u>
Hydric Soil Present?	Yes	<u>X</u>	No	<u> </u>	
Wetland Hydrology Present?	Yes	<u>X</u>	No	<u> </u>	
Remarks: Section I – Forested wetland					

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW or FAC: <u>5</u> (A) Total Number of Dominant Species Across All Strata: <u>6</u> (B) Percent of Dominant Species That are OBL, FACW, or FAC: <u>83</u> (A/B)
1. <u>Populus deltoides</u>	<u>10</u>	<u>X</u>	<u>FAC</u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>10</u> = Total Cover				
Sapling/Shrub Stratum (Plot size): 15-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: OBL species <u> </u> x 1 = <u> </u> FACW species <u> </u> x 2 = <u> </u> FAC species <u> </u> x 3 = <u> </u> FACU species <u> </u> x 4 = <u> </u> UPL species <u> </u> x 5 = <u> </u> Column Totals: <u> </u> (A) <u> </u> (B) Prevalence Index = B/A = <u> </u>
1. <u>Cornus drummondii</u>	<u>100</u>	<u>X</u>	<u>FAC</u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>100</u> = Total Cover				
Herb Stratum (Plot size): 5-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation Dominance Test > 50% <u>X</u> Prevalence Index is ≤ 3.0 ¹ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain)
1. <u>Rubus flagellaris</u>	<u>30</u>	<u>X</u>	<u>FACU</u>	
2. <u>Sanicula odorata</u>	<u>20</u>	<u>X</u>	<u>FAC</u>	
3. <u>Agrimonia parviflora</u>	<u>20</u>	<u>X</u>	<u>FACW</u>	
4. <u>Fraxinus pennsylvanica</u>	<u>20</u>	<u>X</u>	<u>FACW</u>	
5. <u>Carex molesta</u>	<u>10</u>	<u> </u>	<u>FAC</u>	
6. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>100</u> = Total Cover				
Woody Vine Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u> </u> = Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				

SOIL

Sampling Point: T1P3

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required; checked all that apply)				Secondary Indicators (minimum of two required)	
☐ Surface water (A1)	☐ High Water Table (A2)	☐ Saturation (A3)	☐ Water-Stained Leaves (B9)	☐ Surface Soil Cracks (B6)	☐ Drainage patterns (B10)
☐ Water marks (B1)	☐ Sediment Deposits (B2)	☐ Drift Deposits (B3)	☐ Aquatic Fauna (B13)	☐ Dry-Season Water table (C2)	☐ Crayfish Burrows (C8)
☐ Algal Mat or Crust (B4)	☐ Iron Deposits (B5)	☐ Inundation Visible on Aerial Imagery (B7)	☐ True Aquatic Plants (B14)	☐ Saturation Visible on Aerial Imagery (C9)	☐ Stunted or Stressed Plants (D1)
☐ Sparsely Vegetated Concave Surface (B8)	☐ Hydrogen Sulfide Odor (C1)	☐ Oxidized Rhizospheres on Living roots (C3)	☐ Presence of Reduced Iron (C4)	☒ Geomorphic Position (D2)	☒ FAC-Neutral Test (D5)
	☐ Recent Iron Reduction in Tilled Soils (C6)	☐ Thin Muck Surface (C7)	☐ Gauge or Well Data (D9)		
	☐ Other (Explain in Remarks)				
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): Water Table Present? Yes ☐ No ☒ Depths (inches): Saturation Present? Yes ☐ No ☒ Depths (inches): (includes capillary fringe)				Wetland Hydrology Present? Yes ☒ No ☐	
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/6/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T1P4
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Plain Local relief (concave, convex, none): None
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Blount-Glynwood complex NWI classification: None
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	No	<u>X</u>	Is the Sampled Area Within a Wetland?	Yes	No	<u>X</u>
Hydric Soil Present?	Yes	<u>X</u>	No				
Wetland Hydrology Present?	Yes	No	<u>X</u>				
Remarks: Upland old field							

Vegetation – Use scientific names of plants.

Tree Stratum	(Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>4</u> (B) Percent of Dominant Species That are OBL, FACW, or FAC: <u>50</u> (A/B)
1.					
2.					
3.					
4.					
		= Total Cover			
Sapling/Shrub Stratum (Plot size): 15-ft radius					
1.	<u>Cornus drummondii</u>	<u>10</u>	<u>X</u>	<u>FAC</u>	Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: OBL species <u> </u> x 1 = <u> </u> FACW species <u> </u> x 2 = <u> </u> FAC species <u> </u> x 3 = <u> </u> FACU species <u> </u> x 4 = <u> </u> UPL species <u> </u> x 5 = <u> </u> Column Totals: <u> </u> (A) <u> </u> (B) Prevalence Index = B/A = <u> </u>
2.					
3.					
4.					
5.					
		= Total Cover			
Herb Stratum (Plot size): 5-ft radius					
1.	<u>Toxicodendron radicans</u>	<u>40</u>	<u>X</u>	<u>FAC</u>	Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation Dominance Test > 50% Prevalence Index is ≤ 3.0 ¹ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2.	<u>Dipsacus fullonum</u>	<u>30</u>	<u>X</u>	<u>FACU</u>	
3.	<u>Melilotus officinalis</u>	<u>20</u>	<u>X</u>	<u>FACU</u>	
4.	<u>Cornus drummondii</u>	<u>10</u>		<u>FAC</u>	
5.					
6.					
7.					
8.					
9.					
10.					
		= Total Cover			
Woody Vine Stratum (Plot size): 30-ft radius					
9.					Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>
10.					
		= Total Cover			
Remarks: (Include photo numbers here or on a separate sheet.)					

SOIL

Sampling Point: T1P4

Profile Description: Describe to the depth needed to document the indicator or confirm the absence of indicators.)							Sampling Point # _____
Depth (inches)	Matrix		Redox Features				
	<u>Color (moist)</u>	<u>%</u>	<u>Color</u>	<u>%</u>	<u>Type¹</u>	<u>Loc²</u>	<u>Texture</u>
<u>0-10</u>	<u>10YR 4/2</u>	<u>95</u>	<u>10YR 4/6</u>	<u>5</u>	<u>C</u>	<u>M</u>	<u>Silty Clay Loam</u>
<u>10-24</u>	<u>10YR 4/2</u>	<u>90</u>	<u>10YR 4/6</u>	<u>10</u>	<u>C</u>	<u>M</u>	<u>Silty Clay Loam</u>
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix							
Hydric Soil Indicators:				Indicators for Problematic Hydric Soils³:			
_____ Histosol (A1)	_____ Sandy Gleyed matrix (S4)	_____ Coast Prairie Redox (A16)					
_____ Histic Epipedon (A2)	_____ Sandy Redox (S5)	_____ Dark Surface (S7)					
_____ Black Histic (A3)	_____ Stripped Matrix (S6)	_____ Iron-Manganese Masses (F12)					
_____ Hydrogen Sulfide (A4)	_____ Loamy Mucky Mineral (F1)	_____ Very Shallow Dark Surface (TF12)					
_____ Stratified Layers (A5)	_____ Loamy Gleyed Matrix (F2)	_____ Other (Explain in Remarks) _____					
_____ 2 cm Muck (A10)	X Depleted matrix (F3)	³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.					
_____ Depleted Below Dark Surface (A11)	_____ Redox Dark Surface (F6)						
_____ Thick Dark Surface (A12)	_____ Depleted Dark Surface (F7)						
_____ Sandy Mucky Mineral (S1)	_____ Redox Depressions (F8)						
_____ 5 cm Mucky Peat or Peat (S3)							
Restrictive Layer (if observed): Type: _____ Depth (in.): _____			Hydric Soil Present? Yes X No _____				
Remarks: 							

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required; checked all that apply)				Secondary Indicators (minimum of two required)	
☐ Surface water (A1)	☐ High Water Table (A2)	☐ Saturation (A3)	☐ Water marks (B1)	☐ Sediment Deposits (B2)	☐ Drift Deposits (B3)
☐ Algal Mat or Crust (B4)	☐ Iron Deposits (B5)	☐ Inundation Visible on Aerial Imagery (B7)	☐ Sparsely Vegetated Concave Surface (B8)	☐ Water-Stained Leaves (B9)	☐ Aquatic Fauna (B13)
☐ True Aquatic Plants (B14)	☐ Hydrogen Sulfide Odor (C1)	☐ Oxidized Rhizospheres on Living roots (C3)	☐ Presence of Reduced Iron (C4)	☐ Recent Iron Reduction in Tilled Soils (C6)	☐ Thin Muck Surface (C7)
☐ Gauge or Well Data (D9)	☐ Other (Explain in Remarks)	☐ Surface Soil Cracks (B6)	☐ Drainage patterns (B10)	☐ Dry-Season Water table (C2)	☐ Crayfish Burrows (C8)
☐ Saturation Visible on Aerial Imagery (C9)	☐ Stunted or Stressed Plants (D1)	☐ Geomorphic Position (D2)	☐ FAC-Neutral Test (D5)		
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): Water Table Present? Yes ☐ No ☒ Depths (inches): >24 Saturation Present? Yes ☐ No ☒ Depths (inches): >24 (includes capillary fringe)				Wetland Hydrology Present? Yes ☐ No ☒	
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/6/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T1P5
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Pewamo silty clay NWI classification: PFO1C
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	<u>X</u>	No	<u> </u>	Is the Sampled Area Within a Wetland? Yes <u>X</u> No <u> </u>
Hydric Soil Present?	Yes	<u>X</u>	No	<u> </u>	
Wetland Hydrology Present?	Yes	<u>X</u>	No	<u> </u>	
Remarks: Section I – Forested wetland					

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW or FAC: <u>6</u> (A) Total Number of Dominant Species Across All Strata: <u>6</u> (B) Percent of Dominant Species That are OBL, FACW, or FAC: <u>100</u> (A/B)
1. <u>Populus deltoides</u>	<u>10</u>	<u>X</u>	<u>FAC</u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>10</u> = Total Cover				
Sapling/Shrub Stratum (Plot size): 15-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: OBL species <u> </u> x 1 = <u> </u> FACW species <u> </u> x 2 = <u> </u> FAC species <u> </u> x 3 = <u> </u> FACU species <u> </u> x 4 = <u> </u> UPL species <u> </u> x 5 = <u> </u> Column Totals: <u> </u> (A) <u> </u> (B) Prevalence Index = B/A = <u> </u>
1. <u>Cornus drummondii</u>	<u>50</u>	<u>X</u>	<u>FAC</u>	
2. <u>Fraxinus pennsylvanica</u>	<u>40</u>	<u>X</u>	<u>FACW</u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>90</u> = Total Cover				
Herb Stratum (Plot size): 5-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation Dominance Test > 50% <u>X</u> Prevalence Index is ≤ 3.0 ¹ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain)
1. <u>Glyceria striata</u>	<u>40</u>	<u>X</u>	<u>OBL</u>	
2. <u>Agrimonia parviflora</u>	<u>15</u>	<u>X</u>	<u>FACW</u>	
3. <u>Carex vulpinoidea</u>	<u>15</u>	<u>X</u>	<u>FACW</u>	
4. <u>Cornus drummondii</u>	<u>10</u>	<u> </u>	<u>FAC</u>	
5. <u>Fraxinus pennsylvanica</u>	<u>10</u>	<u> </u>	<u>FACW</u>	
6. <u>Vernonia gigantea</u>	<u>5</u>	<u> </u>	<u>FAC</u>	
7. <u>Scirpus pendulus</u>	<u>5</u>	<u> </u>	<u>OBL</u>	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>100</u> = Total Cover				
Woody Vine Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u> </u> = Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				

SOIL

Sampling Point: T1P5

Profile Description: Describe to the depth needed to document the indicator or confirm the absence of indicators.)							Sampling Point # _____
Depth (inches)	Matrix		Redox Features				
	Color (moist)	%	Color	%	Type ¹	Loc ²	Texture
0-12	10YR 4/1	90	10YR 4/6	10	C	M	Silty Clay Loam
12-24	10YR 5/1	90	10YR 4/6	10	C	M	Silty Clay Loam
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix Hydric Soil Indicators: Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) 2 cm Muck (A10) X Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) 5 cm Mucky Peat or Peat (S3) Indicators for Problematic Hydric Soils³: Sandy Gleyed matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Loamy Mucky Mineral (F1) Loamy Gleyed Matrix (F2) Depleted matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F7) Redox Depressions (F8) Coast Prairie Redox (A16) Dark Surface (S7) Iron-Manganese Masses (F12) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.							
Restrictive Layer (if observed): Type: _____ Depth (in.): _____							Hydric Soil Present? Yes X No ____
Remarks: 							

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required; checked all that apply)				Secondary Indicators (minimum of two required)	
☐ Surface water (A1)	☐ Water-Stained Leaves (B9)	☐ Surface Soil Cracks (B6)	☐ High Water Table (A2)	☐ Aquatic Fauna (B13)	☐ Drainage patterns (B10)
☒ Saturation (A3)	☐ True Aquatic Plants (B14)	☐ Dry-Season Water table (C2)	☐ Water marks (B1)	☐ Hydrogen Sulfide Odor (C1)	☐ Crayfish Burrows (C8)
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living roots (C3)	☐ Saturation Visible on Aerial Imagery (C9)	☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)	☐ Stunted or Stressed Plants (D1)
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)	☒ Geomorphic Position (D2)	☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☒ FAC-Neutral Test (D5)
☐ Inundation Visible on Aerial Imagery (B7)	☐ Gauge or Well Data (D9)		☐ Sparsely Vegetated Concave Surface (B8)	☐ Other (Explain in Remarks)	
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): Water Table Present? Yes ☐ No ☒ Depths (inches): >24 Saturation Present? Yes ☐ No ☒ Depths (inches): 0 (includes capillary fringe)				Wetland Hydrology Present? Yes ☒ No ☐	
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/6/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T1P6
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Plain Local relief (concave, convex, none): None
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Pewamo silty clay NWI classification: None
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes <u> </u>	No <u>X</u>	Is the Sampled Area Within a Wetland? Yes <u> </u> No <u>X</u>
Hydric Soil Present?	Yes <u>X</u>	No <u> </u>	
Wetland Hydrology Present?	Yes <u> </u>	No <u>X</u>	
Remarks: Upland shrubby old field			

Vegetation – Use scientific names of plants.

Tree Stratum	(Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>4</u> (B) Percent of Dominant Species That are OBL, FACW, or FAC: <u>25</u> (A/B)
1.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
2.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
3.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
4.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u> </u> = Total Cover					Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: OBL species <u> </u> x 1 = <u> </u> FACW species <u> </u> x 2 = <u> </u> FAC species <u> </u> x 3 = <u> </u> FACU species <u> </u> x 4 = <u> </u> UPL species <u> </u> x 5 = <u> </u> Column Totals: <u> </u> (A) <u> </u> (B) Prevalence Index = B/A = <u> </u>
Sapling/Shrub Stratum	(Plot size): 15-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	
1.	<u>Cornus drummondii</u>	<u>20</u>	<u>X</u>	<u>FAC</u>	
2.	<u>Rosa carolina</u>	<u>10</u>	<u>X</u>	<u>FACU</u>	
3.	<u>Fraxinus pennsylvanica</u>	<u>5</u>	<u> </u>	<u>FACW</u>	
<u>35</u> = Total Cover					
Herb Stratum	(Plot size): 5-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation Dominance Test > 50% Prevalence Index is ≤ 3.0 ¹ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain)
1.	<u>Solidago canadensis</u>	<u>40</u>	<u>X</u>	<u>FACU</u>	
2.	<u>Eupatorium altissimum</u>	<u>20</u>	<u>X</u>	<u>FACU</u>	
3.	<u>Lotus corniculatus</u>	<u>10</u>	<u> </u>	<u>FACU</u>	
4.	<u>Cornus racemosa</u>	<u>10</u>	<u> </u>	<u>FAC</u>	
5.	<u>Dipsacus fullonum</u>	<u>10</u>	<u> </u>	<u>FACU</u>	
6.	<u>Apocynum cannabinum</u>	<u>5</u>	<u> </u>	<u>FAC</u>	
7.	<u>Carex molesta</u>	<u>5</u>	<u> </u>	<u>FAC</u>	
8.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
9.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
10.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>100</u> = Total Cover					
Woody Vine Stratum	(Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>
9.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
10.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u> </u> = Total Cover					
Remarks: (Include photo numbers here or on a separate sheet.)					

SOIL

Sampling Point: T1P6

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required; checked all that apply)					
☐ Surface water (A1)	☐ High Water Table (A2)	☐ Saturation (A3)	☐ Water marks (B1)	☐ Water-Stained Leaves (B9)	☐ Surface Soil Cracks (B6)
☐ Sediment Deposits (B2)	☐ Drift Deposits (B3)	☐ Algal Mat or Crust (B4)	☐ Iron Deposits (B5)	☐ Aquatic Fauna (B13)	☐ Drainage patterns (B10)
☐ Inundation Visible on Aerial Imagery (B7)	☐ Sparsely Vegetated Concave Surface (B8)	☐ True Aquatic Plants (B14)	☐ Hydrogen Sulfide Odor (C1)	☐ Oxidized Rhizospheres on Living roots (C3)	☐ Dry-Season Water table (C2)
		☐ Presence of Reduced Iron (C4)	☐ Recent Iron Reduction in Tilled Soils (C6)	☐ Thin Muck Surface (C7)	☐ Crayfish Burrows (C8)
		☐ Gauge or Well Data (D9)	☐ Other (Explain in Remarks)	☐ Saturation Visible on Aerial Imagery (C9)	☐ Stunted or Stressed Plants (D1)
				☐ Geomorphic Position (D2)	☐ FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): Water Table Present? Yes ☐ No ☒ Depths (inches): Saturation Present? Yes ☐ No ☒ Depths (inches): (includes capillary fringe)				Wetland Hydrology Present? Yes ☐ No ☒	
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/6/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T1P7
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Blount-Glynwood Complex NWI classification: PFO1C
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	<u>X</u>	No	<u> </u>	Is the Sampled Area Within a Wetland? Yes <u>X</u> No <u> </u>
Hydric Soil Present?	Yes	<u>X</u>	No	<u> </u>	
Wetland Hydrology Present?	Yes	<u>X</u>	No	<u> </u>	
Remarks: Section I – Forested Wetland					

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW or FAC: <u>6</u> (A) Total Number of Dominant Species Across All Strata: <u>6</u> (B) Percent of Dominant Species That are OBL, FACW, or FAC: <u>100</u> (A/B)
1. <u>Fraxinus pennsylvanica</u>	<u>20</u>	<u>X</u>	<u>FACW</u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>20</u> = Total Cover				
Sapling/Shrub Stratum (Plot size): 15-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: OBL species <u> </u> x 1 = <u> </u> FACW species <u> </u> x 2 = <u> </u> FAC species <u> </u> x 3 = <u> </u> FACU species <u> </u> x 4 = <u> </u> UPL species <u> </u> x 5 = <u> </u> Column Totals: <u> </u> (A) <u> </u> (B) Prevalence Index = B/A = <u> </u>
1. <u>Fraxinus pennsylvanica</u>	<u>50</u>	<u>X</u>	<u>FACW</u>	
2. <u>Cornus drummondii</u>	<u>20</u>	<u>X</u>	<u>FAC</u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>70</u> = Total Cover				
Herb Stratum (Plot size): 5-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation Dominance Test > 50% <u>X</u> Prevalence Index is ≤ 3.0 ¹ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain)
1. <u>Sanicula odorata</u>	<u>20</u>	<u>X</u>	<u>FAC</u>	
2. <u>Carex molesta</u>	<u>15</u>	<u>X</u>	<u>FAC</u>	
3. <u>Agrimonia parviflora</u>	<u>15</u>	<u>X</u>	<u>FACW</u>	
4. <u>Symphotrichum lateriflorum</u>	<u>10</u>	<u> </u>	<u>FACW</u>	
5. <u>Apocynum cannabinum</u>	<u>10</u>	<u> </u>	<u>FAC</u>	
6. <u>Carex radiata</u>	<u>5</u>	<u> </u>	<u>FAC</u>	
7. <u>Carya laciniosa</u>	<u>5</u>	<u> </u>	<u>FACW</u>	
8. <u>Ulmus americana</u>	<u>5</u>	<u> </u>	<u>FACW</u>	
9. <u>Toxicodendron radicans</u>	<u>5</u>	<u> </u>	<u>FAC</u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>90</u> = Total Cover				
Woody Vine Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u> </u> = Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				

SOIL

Sampling Point: T1P7

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required; checked all that apply)					
☐ Surface water (A1)		☐ Water-Stained Leaves (B9)		☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)		☐ Aquatic Fauna (B13)		☐ Drainage patterns (B10)	
☐ Saturation (A3)		☐ True Aquatic Plants (B14)		☐ Dry-Season Water table (C2)	
☐ Water marks (B1)		☐ Hydrogen Sulfide Odor (C1)		☐ Crayfish Burrows (C8)	
☐ Sediment Deposits (B2)		☐ Oxidized Rhizospheres on Living roots (C3)		☐ Saturation Visible on Aerial Imagery (C9)	
☐ Drift Deposits (B3)		☐ Presence of Reduced Iron (C4)		☐ Stunted or Stressed Plants (D1)	
☐ Algal Mat or Crust (B4)		☐ Recent Iron Reduction in Tilled Soils (C6)		☒ Geomorphic Position (D2)	
☐ Iron Deposits (B5)		☐ Thin Muck Surface (C7)		☒ FAC-Neutral Test (D5)	
☐ Inundation Visible on Aerial Imagery (B7)		☐ Gauge or Well Data (D9)			
☐ Sparsely Vegetated Concave Surface (B8)		☐ Other (Explain in Remarks)			
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): Water Table Present? Yes ☐ No ☒ Depths (inches): Saturation Present? Yes ☐ No ☒ Depths (inches): (includes capillary fringe)				Wetland Hydrology Present? Yes ☒ No ☐	
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/6/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T1P8
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Drain Local relief (concave, convex, none): Concave
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Pewamo silty clay NWI classification: R4SB
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	<u>X</u>	No	<u> </u>	Is the Sampled Area Within a Wetland? Yes <u> </u> No <u>X</u>
Hydric Soil Present?	Yes	<u>X</u>	No	<u> </u>	
Wetland Hydrology Present?	Yes	<u>X</u>	No	<u> </u>	
Remarks: Drain 1 – Intermittent Drain identified as an Unnamed Tributary to the Salamonie River. The drain was 4 feet wide with no water flowing at the time of delineation. Delineated at the ordinary high water mark (OHWM), 8 inches above the flow line.					

Vegetation – Use scientific names of plants.

Tree Stratum	(Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That are OBL, FACW, or FAC: <u>67</u> (A/B)
1.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
2.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
3.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
4.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
				<u> </u> = Total Cover	Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: OBL species <u> </u> x 1 = <u> </u> FACW species <u> </u> x 2 = <u> </u> FAC species <u> </u> x 3 = <u> </u> FACU species <u> </u> x 4 = <u> </u> UPL species <u> </u> x 5 = <u> </u> Column Totals: <u> </u> (A) <u> </u> (B) Prevalence Index = B/A = <u> </u>
Sapling/Shrub Stratum (Plot size): 15-ft radius					
1.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
2.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
3.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
Herb Stratum (Plot size): 5-ft radius					
1.	<u>Fraxinus pennsylvanica</u>	<u>10</u>	<u>X</u>	<u>FACW</u>	Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation Dominance Test > 50% <u>X</u> Prevalence Index is ≤ 3.0 ¹ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2.	<u>Galium aparine</u>	<u>5</u>	<u>X</u>	<u>FACU</u>	
3.	<u>Glyceria striata</u>	<u>5</u>	<u>X</u>	<u>OBL</u>	
4.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
5.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
6.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
7.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
8.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
9.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
10.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
				<u>20</u> = Total Cover	Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>
Woody Vine Stratum (Plot size): 30-ft radius					
9.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
10.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
				<u> </u> = Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.)					

SOIL

Sampling Point: T1P8

Profile Description: Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color	%	Type ¹	Loc ²		
0-10	10YR 4/2	95	10YR 4/6	5	C	M	Silty Clay Loam	
10-16	10YR 5/2	95	10YR 5/6	5	C	M	Silty Clay Loam	
16-24	10YR 5/1	95	10YR 5/6	5	C	M	Silty Clay Loam	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:		Indicators for Problematic Hydric Soils ³ :	
☐ Histosol (A1)	☐ Sandy Gleyed matrix (S4)	☐ Coast Prairie Redox (A16)	
☐ Histic Epipedon (A2)	☐ Sandy Redox (S5)	☐ Dark Surface (S7)	
☐ Black Histic (A3)	☐ Stripped Matrix (S6)	☐ Iron-Manganese Masses (F12)	
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1)	☐ Very Shallow Dark Surface (TF12)	
☐ Stratified Layers (A5)	☐ Loamy Gleyed Matrix (F2)	☐ Other (Explain in Remarks)	
☐ 2 cm Muck (A10)	☒ Depleted matrix (F3)		
☐ Depleted Below Dark Surface (A11)	☐ Redox Dark Surface (F6)		
☐ Thick Dark Surface (A12)	☐ Depleted Dark Surface (F7)		
☐ Sandy Mucky Mineral (S1)	☐ Redox Depressions (F8)		
☐ 5 cm Mucky Peat or Peat (S3)			

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed): Type: _____ Depth (in.) _____	Hydric Soil Present? Yes ☒ No _____
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Remarks:

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; checked all that apply)		Secondary Indicators (minimum of two required)	
☐ Surface water (A1)	☐ Water-Stained Leaves (B9)	☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Fauna (B13)	☐ Drainage patterns (B10)	
☒ Saturation (A3)	☐ True Aquatic Plants (B14)	☐ Dry-Season Water table (C2)	
☐ Water marks (B1)	☐ Hydrogen Sulfide Odor (C1)	☐ Crayfish Burrows (C8)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living roots (C3)	☐ Saturation Visible on Aerial Imagery (C9)	
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)	☐ Stunted or Stressed Plants (D1)	
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)	☐ Geomorphic Position (D2)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☒ FAC-Neutral Test (D5)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Gauge or Well Data (D9)		
☐ Sparsely Vegetated Concave Surface (B8)	☐ Other (Explain in Remarks)		

Field Observations: Surface Water Present? Yes _____ No ☒ Depths (inches): _____ Water Table Present? Yes _____ No ☒ Depths (inches): _____ Saturation Present? Yes ☒ No _____ Depths (inches): 0 _____ (includes capillary fringe)	Wetland Hydrology Present? Yes ☒ No _____
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Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Delineated at the ordinary high water mark (OHWM), 8 inches above the flow line., Defined bed and bank.

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/6/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T1P9
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Plain Local relief (concave, convex, none): None
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Pewamo silty clay NWI classification: None
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes <u> </u>	No <u>X</u>	Is the Sampled Area Within a Wetland? Yes <u> </u> No <u>X</u>
Hydric Soil Present?	Yes <u> </u>	No <u>X</u>	
Wetland Hydrology Present?	Yes <u> </u>	No <u>X</u>	
Remarks: Upland forest			

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>6</u> (B) Percent of Dominant Species That are OBL, FACW, or FAC: <u>17</u> (A/B)
1. <u>Quercus rubra</u>	<u>40</u>	<u>X</u>	<u>FACU</u>	
2. <u>Quercus alba</u>	<u>20</u>	<u>X</u>	<u>FACU</u>	
3. <u>Celtis occidentalis</u>	<u>20</u>	<u>X</u>	<u>FAC</u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>80</u> = Total Cover				
Sapling/Shrub Stratum (Plot size): 15-ft radius				Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: OBL species <u> </u> x 1 = <u> </u> FACW species <u> </u> x 2 = <u> </u> FAC species <u> </u> x 3 = <u> </u> FACU species <u> </u> x 4 = <u> </u> UPL species <u> </u> x 5 = <u> </u> Column Totals: <u> </u> (A) <u> </u> (B) Prevalence Index = B/A = <u> </u>
1. <u>Lonicera tatarica</u>	<u>50</u>	<u>X</u>	<u>FACU</u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>50</u> = Total Cover				
Herb Stratum (Plot size): 5-ft radius				Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation Dominance Test > 50% <u> </u> Prevalence Index is ≤ 3.0 ¹ <u> </u> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) <u> </u> ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Lonicera tatarica</u>	<u>20</u>	<u>X</u>	<u>FACU</u>	
2. <u>Circaea canadensis</u>	<u>20</u>	<u>X</u>	<u>FACU</u>	
3. <u>Sanicula odorata</u>	<u>10</u>	<u> </u>	<u>FAC</u>	
4. <u>Toxicodendron radicans</u>	<u>5</u>	<u> </u>	<u>FAC</u>	
5. <u>Rosa multiflora</u>	<u>5</u>	<u> </u>	<u>FACU</u>	
6. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>60</u> = Total Cover				
Woody Vine Stratum (Plot size): 30-ft radius				Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u> </u> = Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				

SOIL

Sampling Point: T1P9

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)			
Primary Indicators (minimum of one is required; checked all that apply)				Secondary Indicators (minimum of two required)			
☐ Surface water (A1)	☐ High Water Table (A2)	☐ Saturation (A3)	☐ Water marks (B1)	☐ Sediment Deposits (B2)	☐ Drift Deposits (B3)	☐ Algal Mat or Crust (B4)	☐ Iron Deposits (B5)
☐ Inundation Visible on Aerial Imagery (B7)	☐ Sparsely Vegetated Concave Surface (B8)	☐ Water-Stained Leaves (B9)	☐ Aquatic Fauna (B13)	☐ True Aquatic Plants (B14)	☐ Hydrogen Sulfide Odor (C1)	☐ Oxidized Rhizospheres on Living roots (C3)	☐ Presence of Reduced Iron (C4)
☐ Recent Iron Reduction in Tilled Soils (C6)	☐ Thin Muck Surface (C7)	☐ Gauge or Well Data (D9)	☐ Other (Explain in Remarks)	☐ Surface Soil Cracks (B6)	☐ Drainage patterns (B10)	☐ Dry-Season Water table (C2)	☐ Crayfish Burrows (C8)
☐ Saturation Visible on Aerial Imagery (C9)	☐ Stunted or Stressed Plants (D1)	☐ Geomorphic Position (D2)	☐ FAC-Neutral Test (D5)				
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): _____ Water Table Present? Yes ☐ No ☒ Depths (inches): _____ Saturation Present? Yes ☐ No ☒ Depths (inches): _____ (includes capillary fringe)				Wetland Hydrology Present? Yes ☐ No ☒			
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:							
Remarks:							

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/7/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T1P10
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Plain Local relief (concave, convex, none): None
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Pewamo silty clay NWI classification: None
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes <u> </u>	No <u>X</u>	Is the Sampled Area Within a Wetland? Yes <u> </u> No <u>X</u>
Hydric Soil Present?	Yes <u>X</u>	No <u> </u>	
Wetland Hydrology Present?	Yes <u> </u>	No <u>X</u>	
Remarks: Upland between Section I and Drain 1.			

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>6</u> (B) Percent of Dominant Species That are OBL, FACW, or FAC: <u>50</u> (A/B)
1. <u>Quercus alba</u>	<u>40</u>	<u>X</u>	<u>FACU</u>	
2. <u>Carya laciniosa</u>	<u>20</u>	<u>X</u>	<u>FACW</u>	
3. <u>Quercus palustris</u>	<u>15</u>	<u> </u>	<u>FACW</u>	
4. <u>Aesculus glabra</u>	<u>15</u>	<u> </u>	<u>FAC</u>	
<u>90</u> = Total Cover				
Sapling/Shrub Stratum (Plot size): 15-ft radius				Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: OBL species <u> </u> x 1 = <u> </u> FACW species <u> </u> x 2 = <u> </u> FAC species <u> </u> x 3 = <u> </u> FACU species <u> </u> x 4 = <u> </u> UPL species <u> </u> x 5 = <u> </u> Column Totals: <u> </u> (A) <u> </u> (B) Prevalence Index = B/A = <u> </u>
1. <u>Cornus drummondii</u>	<u>15</u>	<u>X</u>	<u>FAC</u>	
2. <u>Crataegus crus-galli</u>	<u>15</u>	<u>X</u>	<u>FAC</u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>30</u> = Total Cover				
Herb Stratum (Plot size): 5-ft radius				Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation Dominance Test > 50% Prevalence Index is ≤ 3.0 ¹ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Parthenocissus quinquefolia</u>	<u>30</u>	<u>X</u>	<u>FACU</u>	
2. <u>Podophyllum peltatum</u>	<u>25</u>	<u>X</u>	<u>FACU</u>	
3. <u>Sanicula odorata</u>	<u>15</u>	<u> </u>	<u>FAC</u>	
4. <u>Viola sororia</u>	<u>10</u>	<u> </u>	<u>FACW</u>	
5. <u>Persicaria virginiana</u>	<u>10</u>	<u> </u>	<u>FAC</u>	
6. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>90</u> = Total Cover				
Woody Vine Stratum (Plot size): 30-ft radius				Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u> </u> = Total Cover				

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: T1P10

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:									
Primary Indicators (minimum of one is required; checked all that apply)					Secondary Indicators (minimum of two required)				
☐ Surface water (A1)	☐ High Water Table (A2)	☐ Saturation (A3)	☐ Water marks (B1)	☐ Sediment Deposits (B2)	☐ Drift Deposits (B3)	☐ Algal Mat or Crust (B4)	☐ Iron Deposits (B5)	☐ Inundation Visible on Aerial Imagery (B7)	☐ Sparsely Vegetated Concave Surface (B8)
☐ Water-Stained Leaves (B9)	☐ Aquatic Fauna (B13)	☐ True Aquatic Plants (B14)	☐ Hydrogen Sulfide Odor (C1)	☐ Oxidized Rhizospheres on Living roots (C3)	☐ Presence of Reduced Iron (C4)	☐ Recent Iron Reduction in Tilled Soils (C6)	☐ Thin Muck Surface (C7)	☐ Gauge or Well Data (D9)	☐ Other (Explain in Remarks)
☐ Surface Soil Cracks (B6)	☐ Drainage patterns (B10)	☐ Dry-Season Water table (C2)	☐ Crayfish Burrows (C8)	☐ Saturation Visible on Aerial Imagery (C9)	☐ Stunted or Stressed Plants (D1)	☐ Geomorphic Position (D2)	☐ FAC-Neutral Test (D5)		
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): Water Table Present? Yes ☐ No ☒ Depths (inches): Saturation Present? Yes ☐ No ☒ Depths (inches): (includes capillary fringe)									
Wetland Hydrology Present? Yes ☐ No ☒									
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:									
Remarks:									

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/6/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T2P1
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Brookston-Glynwood Complex NWI classification: PSS1A
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	<u>X</u>	No	<u> </u>	Is the Sampled Area Within a Wetland? Yes <u>X</u> No <u> </u>
Hydric Soil Present?	Yes	<u>X</u>	No	<u> </u>	
Wetland Hydrology Present?	Yes	<u>X</u>	No	<u> </u>	
Remarks: Section I – Scrub/Shrub wetland					

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW or FAC: <u>7</u> (A) Total Number of Dominant Species Across All Strata: <u>7</u> (B) Percent of Dominant Species That are OBL, FACW, or FAC: <u>100</u> (A/B)
1. <u>Populus deltoides</u>	<u>20</u>	<u>X</u>	<u>FAC</u>	
2. <u>Quercus palustris</u>	<u>10</u>	<u>X</u>	<u>FACW</u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>30</u> = Total Cover				Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: OBL species <u> </u> x 1 = <u> </u> FACW species <u> </u> x 2 = <u> </u> FAC species <u> </u> x 3 = <u> </u> FACU species <u> </u> x 4 = <u> </u> UPL species <u> </u> x 5 = <u> </u> Column Totals: <u> </u> (A) <u> </u> (B) Prevalence Index = B/A = <u> </u>
Sapling/Shrub Stratum (Plot size): 15-ft radius				
1. <u>Cornus drummondii</u>	<u>40</u>	<u>X</u>	<u>FAC</u>	
2. <u>Quercus palustris</u>	<u>10</u>	<u> </u>	<u>FACW</u>	
3. <u>Catalpa speciosa</u>	<u>10</u>	<u> </u>	<u>FACU</u>	
<u>60</u> = Total Cover				
Herb Stratum (Plot size): 5-ft radius				Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation Dominance Test > 50% Prevalence Index is ≤ 3.0 ¹ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain)
1. <u>Toxicodendron radicans</u>	<u>30</u>	<u>X</u>	<u>FAC</u>	
2. <u>Carex vulpinoidea</u>	<u>20</u>	<u>X</u>	<u>FACW</u>	
3. <u>Agrimonia parviflora</u>	<u>20</u>	<u>X</u>	<u>FACW</u>	
4. <u>Sanicula odorata</u>	<u>20</u>	<u>X</u>	<u>FAC</u>	
5. <u>Dipsacus fullonum</u>	<u>10</u>	<u> </u>	<u>FACU</u>	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
6. <u>Carex molesta</u>	<u>10</u>	<u> </u>	<u>FAC</u>	
7. <u>Juncus tenuis</u>	<u>5</u>	<u> </u>	<u>FAC</u>	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>115</u> = Total Cover				Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>
Woody Vine Stratum (Plot size): 30-ft radius				
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u> </u> = Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				

SOIL

Sampling Point: T2P1

Profile Description: Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color	%	Type ¹	Loc ²		
0-8	10YR 4/2	90	10YR 4/6	10	C	M	Silty Clay Loam	
8-24	10YR 4/1	90	10YR 4/6	10	C	M	Silty Clay Loam	

¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:

_____ Histosol (A1)	_____ Sandy Gleyed matrix (S4)
_____ Histic Epipedon (A2)	_____ Sandy Redox (S5)
_____ Black Histic (A3)	_____ Stripped Matrix (S6)
_____ Hydrogen Sulfide (A4)	_____ Loamy Mucky Mineral (F1)
_____ Stratified Layers (A5)	_____ Loamy Gleyed Matrix (F2)
_____ 2 cm Muck (A10)	_____ X _____ Depleted matrix (F3)
_____ Depleted Below Dark Surface (A11)	_____ Redox Dark Surface (F6)
_____ Thick Dark Surface (A12)	_____ Depleted Dark Surface (F7)
_____ Sandy Mucky Mineral (S1)	_____ Redox Depressions (F8)
_____ 5 cm Mucky Peat or Peat (S3)	

Indicators for Problematic Hydric Soils³:

_____ Coast Prairie Redox (A16)
_____ Dark Surface (S7)
_____ Iron-Manganese Masses (F12)
_____ Very Shallow Dark Surface (TF12)
_____ Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed): Type: _____ Depth (in.): _____	Hydric Soil Present? Yes <u> X </u> No _____
Remarks:	

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required; checked all that apply)					
☐ Surface water (A1)	☐ High Water Table (A2)	☐ Saturation (A3)	☐ Water marks (B1)	☐ Sediment Deposits (B2)	☐ Drift Deposits (B3)
☐ Algal Mat or Crust (B4)	☐ Iron Deposits (B5)	☐ Inundation Visible on Aerial Imagery (B7)	☐ Sparsely Vegetated Concave Surface (B8)	☐ Water-Stained Leaves (B9)	☐ Aquatic Fauna (B13)
☐ True Aquatic Plants (B14)	☐ Hydrogen Sulfide Odor (C1)	☐ Oxidized Rhizospheres on Living roots (C3)	☐ Presence of Reduced Iron (C4)	☐ Recent Iron Reduction in Tilled Soils (C6)	☐ Thin Muck Surface (C7)
☐ Gauge or Well Data (D9)	☐ Other (Explain in Remarks)	☐ Surface Soil Cracks (B6)	☐ Drainage patterns (B10)	☐ Dry-Season Water table (C2)	☐ Crayfish Burrows (C8)
☐ Saturation Visible on Aerial Imagery (C9)	☐ Stunted or Stressed Plants (D1)	☒ Geomorphic Position (D2)	☒ FAC-Neutral Test (D5)		
Field Observations:					
Surface Water Present?	Yes ☐ No ☒	Depths (inches):	24		
Water Table Present?	Yes ☐ No ☒	Depths (inches):	24		
Saturation Present?	Yes ☐ No ☒	Depths (inches):	24		
(includes capillary fringe)				Wetland Hydrology Present? Yes ☒ No ☐	
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/6/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T2P2
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Plain Local relief (concave, convex, none): None
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Brookston-Glynwood Complex NWI classification: None
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	No	<u>X</u>	Is the Sampled Area Within a Wetland?	Yes	No	<u>X</u>
Hydric Soil Present?	Yes	<u>X</u>	No				
Wetland Hydrology Present?	Yes	No	<u>X</u>				
Remarks: Upland old field							

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. <u>Platanus occidentalis</u>	<u>10</u>	<u>X</u>	<u>FACW</u>	Number of Dominant Species That are OBL, FACW or FAC:	<u>2</u> (A)
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	Total Number of Dominant Species Across All Strata:	<u>5</u> (B)
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	Percent of Dominant Species That are OBL, FACW, or FAC:	<u>40</u> (A/B)
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
<u>10</u> = Total Cover					
Sapling/Shrub Stratum (Plot size): 15-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Prevalence Index worksheet:	
1. <u>Cornus drummondii</u>	<u>35</u>	<u>X</u>	<u>FAC</u>	Total % Cover of:	Multiply by:
2. <u>Juniperus virginiana</u>	<u>10</u>	<u>X</u>	<u>FACU</u>	OBL species <u> </u> x 1 = <u> </u>	
3. <u>Fraxinus pennsylvanica</u>	<u>5</u>	<u> </u>	<u>FACW</u>	FACW species <u> </u> x 2 = <u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	FAC species <u> </u> x 3 = <u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	FACU species <u> </u> x 4 = <u> </u>	
<u>50</u> = Total Cover				UPL species <u> </u> x 5 = <u> </u>	
				Column Totals: <u> </u> (A)	<u> </u> (B)
Herb Stratum (Plot size): 5-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators:	
1. <u>Dipsacus fullonum</u>	<u>25</u>	<u>X</u>	<u>FACU</u>	Rapid Test for Hydrophytic Vegetation	
2. <u>Eupatorium altissimum</u>	<u>20</u>	<u>X</u>	<u>UPL</u>	Dominance Test > 50%	
3. <u>Apocynum cannabinum</u>	<u>15</u>	<u> </u>	<u>FAC</u>	Prevalence Index is ≤ 3.0 ¹	
4. <u>Agrimonia parviflora</u>	<u>10</u>	<u> </u>	<u>FACW</u>	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)	
5. <u>Toxicodendron radicans</u>	<u>10</u>	<u> </u>	<u>FAC</u>	Problematic Hydrophytic Vegetation ¹ (Explain)	
6. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
<u>80</u> = Total Cover				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
Woody Vine Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Present?	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	Yes	No <u>X</u>
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
<u> </u> = Total Cover					
Remarks: (Include photo numbers here or on a separate sheet.)					

SOIL

Sampling Point: T2P2

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)			
Primary Indicators (minimum of one is required; checked all that apply)				Secondary Indicators (minimum of two required)			
☐ Surface water (A1)	☐ High Water Table (A2)	☐ Saturation (A3)	☐ Water marks (B1)	☐ Sediment Deposits (B2)	☐ Drift Deposits (B3)	☐ Algal Mat or Crust (B4)	☐ Iron Deposits (B5)
☐ Inundation Visible on Aerial Imagery (B7)	☐ Sparsely Vegetated Concave Surface (B8)	☐ Water-Stained Leaves (B9)	☐ Aquatic Fauna (B13)	☐ True Aquatic Plants (B14)	☐ Hydrogen Sulfide Odor (C1)	☐ Oxidized Rhizospheres on Living roots (C3)	☐ Presence of Reduced Iron (C4)
☐ Recent Iron Reduction in Tilled Soils (C6)	☐ Thin Muck Surface (C7)	☐ Gauge or Well Data (D9)	☐ Other (Explain in Remarks)	☐ Surface Soil Cracks (B6)	☐ Drainage patterns (B10)	☐ Dry-Season Water table (C2)	☐ Crayfish Burrows (C8)
☐ Saturation Visible on Aerial Imagery (C9)	☐ Stunted or Stressed Plants (D1)	☐ Geomorphic Position (D2)	☐ FAC-Neutral Test (D5)				
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): Water Table Present? Yes ☐ No ☒ Depths (inches): Saturation Present? Yes ☐ No ☒ Depths (inches): (includes capillary fringe)				Wetland Hydrology Present? Yes ☐ No ☒			
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:							
Remarks:							

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/6/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T2P3
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Blount-Glynwood Complex NWI classification: PFO/SS1A
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	<u>X</u>	No	<u> </u>	Is the Sampled Area Within a Wetland? Yes <u>X</u> No <u> </u>
Hydric Soil Present?	Yes	<u>X</u>	No	<u> </u>	
Wetland Hydrology Present?	Yes	<u>X</u>	No	<u> </u>	
Remarks: Section I – Forested wetland					

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW or FAC: <u>5</u> (A) Total Number of Dominant Species Across All Strata: <u>6</u> (B) Percent of Dominant Species That are OBL, FACW, or FAC: <u>83</u> (A/B)
1. <u>Quercus palustris</u>	<u>15</u>	<u>X</u>	<u>FACW</u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>15</u> = Total Cover				Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: OBL species <u> </u> x 1 = <u> </u> FACW species <u> </u> x 2 = <u> </u> FAC species <u> </u> x 3 = <u> </u> FACU species <u> </u> x 4 = <u> </u> UPL species <u> </u> x 5 = <u> </u> Column Totals: <u> </u> (A) <u> </u> (B) Prevalence Index = B/A = <u> </u>
Sapling/Shrub Stratum (Plot size): 15-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	
1. <u>Fraxinus pennsylvanica</u>	<u>15</u>	<u>X</u>	<u>FACW</u>	
2. <u>Ulmus americana</u>	<u>10</u>	<u>X</u>	<u>FACW</u>	
3. <u>Hypericum prolificum</u>	<u>10</u>	<u>X</u>	<u>FACU</u>	
<u>35</u> = Total Cover				
Herb Stratum (Plot size): 5-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation Dominance Test > 50% <u>X</u> Prevalence Index is ≤ 3.0 ¹ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain)
1. <u>Poa pratensis</u>	<u>30</u>	<u>X</u>	<u>FAC</u>	
2. <u>Carex radiata</u>	<u>30</u>	<u>X</u>	<u>FAC</u>	
3. <u>Fraxinus pennsylvanica</u>	<u>15</u>	<u> </u>	<u>FACW</u>	
4. <u>Rubus allegheniensis</u>	<u>10</u>	<u> </u>	<u>FACU</u>	
5. <u>Toxicodendron radicans</u>	<u>5</u>	<u> </u>	<u>FAC</u>	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
6. <u>Euthamia graminifolia</u>	<u>5</u>	<u> </u>	<u>FACW</u>	
7. <u>Sanicula odorata</u>	<u>5</u>	<u> </u>	<u>FAC</u>	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>100</u> = Total Cover				Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>
Woody Vine Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u> </u> = Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				

SOIL

Sampling Point: T2P3

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required; checked all that apply)				Secondary Indicators (minimum of two required)	
☐ Surface water (A1)	☐ Water-Stained Leaves (B9)	☐ Surface Soil Cracks (B6)			
☐ High Water Table (A2)	☐ Aquatic Fauna (B13)	☐ Drainage patterns (B10)			
☐ Saturation (A3)	☐ True Aquatic Plants (B14)	☐ Dry-Season Water table (C2)			
☐ Water marks (B1)	☐ Hydrogen Sulfide Odor (C1)	☐ Crayfish Burrows (C8)			
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living roots (C3)	☐ Saturation Visible on Aerial Imagery (C9)			
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)	☐ Stunted or Stressed Plants (D1)			
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)	☒ Geomorphic Position (D2)			
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☒ FAC-Neutral Test (D5)			
☐ Inundation Visible on Aerial Imagery (B7)	☐ Gauge or Well Data (D9)				
☐ Sparsely Vegetated Concave Surface (B8)	☐ Other (Explain in Remarks)				
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): Water Table Present? Yes ☐ No ☒ Depths (inches): Saturation Present? Yes ☐ No ☒ Depths (inches): (includes capillary fringe)				Wetland Hydrology Present? Yes ☒ No ☐	
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/6/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T2P4
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Plain Local relief (concave, convex, none): None
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Blount-Glynwood Complex NWI classification: None
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes <u> </u>	No <u>X</u>	Is the Sampled Area Within a Wetland? Yes <u> </u> No <u>X</u>
Hydric Soil Present?	Yes <u> </u>	No <u>X</u>	
Wetland Hydrology Present?	Yes <u> </u>	No <u>X</u>	
Remarks: Upland forest			

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>7</u> (B) Percent of Dominant Species That are OBL, FACW, or FAC: <u>42</u> (A/B)
1. <u>Quercus rubra</u>	<u>40</u>	<u>X</u>	<u>FACU</u>	
2. <u>Carya laciniata</u>	<u>20</u>	<u>X</u>	<u>FACW</u>	
3. <u>Prunus serotina</u>	<u>20</u>	<u>X</u>	<u>FACU</u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>80</u> = Total Cover				
Sapling/Shrub Stratum (Plot size): 15-ft radius				Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: OBL species <u> </u> x 1 = <u> </u> FACW species <u> </u> x 2 = <u> </u> FAC species <u> </u> x 3 = <u> </u> FACU species <u> </u> x 4 = <u> </u> UPL species <u> </u> x 5 = <u> </u> Column Totals: <u> </u> (A) <u> </u> (B) Prevalence Index = B/A = <u> </u>
1. <u>Carya laciniata</u>	<u>15</u>	<u>X</u>	<u>FACW</u>	
2. <u>Malus coronaria</u>	<u>10</u>	<u>X</u>	<u>UPL</u>	
3. <u>Cornus drummondii</u>	<u>5</u>	<u> </u>	<u>FAC</u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>30</u> = Total Cover				
Herb Stratum (Plot size): 5-ft radius				Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation Dominance Test > 50% Prevalence Index is ≤ 3.0 ¹ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Sanicula odorata</u>	<u>70</u>	<u>X</u>	<u>FAC</u>	
2. <u>Circaea canadensis</u>	<u>20</u>	<u>X</u>	<u>FACU</u>	
3. <u>Fraxinus americana</u>	<u>10</u>	<u> </u>	<u>FACU</u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
6. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>100</u> = Total Cover				
Woody Vine Stratum (Plot size): 30-ft radius				Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u> </u> = Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				

SOIL

Sampling Point: T2P4

Profile Description: Describe to the depth needed to document the indicator or confirm the absence of indicators.)							
Depth (inches)	Matrix		Redox Features				
	Color (moist)	%	Color	%	Type ¹	Loc ²	Texture
0-12	10YR 4/2	100					Silt Loam
12-24	10YR 5/2	90	10YR 4/6	10	C	M	Silt Loam

¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:			Indicators for Problematic Hydric Soils ³ :		
☐ Histosol (A1)	☐	Sandy Gleyed matrix (S4)	☐	Coast Prairie Redox (A16)	
☐ Histic Epipedon (A2)	☐	Sandy Redox (S5)	☐	Dark Surface (S7)	
☐ Black Histic (A3)	☐	Stripped Matrix (S6)	☐	Iron-Manganese Masses (F12)	
☐ Hydrogen Sulfide (A4)	☐	Loamy Mucky Mineral (F1)	☐	Very Shallow Dark Surface (TF12)	
☐ Stratified Layers (A5)	☐	Loamy Gleyed Matrix (F2)	☐	Other (Explain in Remarks)	
☐ 2 cm Muck (A10)	☐	Depleted matrix (F3)	³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.		
☐ Depleted Below Dark Surface (A11)	☐	Redox Dark Surface (F6)			
☐ Thick Dark Surface (A12)	☐	Depleted Dark Surface (F7)			
☐ Sandy Mucky Mineral (S1)	☐	Redox Depressions (F8)			
☐ 5 cm Mucky Peat or Peat (S3)	☐				

Restrictive Layer (if observed):
 Type: _____
 Depth (in.): _____

Hydric Soil Present? Yes _____ No X _____

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:									
Primary Indicators (minimum of one is required; checked all that apply)					Secondary Indicators (minimum of two required)				
☐ Surface water (A1)	☐ High Water Table (A2)	☐ Saturation (A3)	☐ Water marks (B1)	☐ Sediment Deposits (B2)	☐ Drift Deposits (B3)	☐ Algal Mat or Crust (B4)	☐ Iron Deposits (B5)	☐ Inundation Visible on Aerial Imagery (B7)	☐ Sparsely Vegetated Concave Surface (B8)
☐ Water-Stained Leaves (B9)	☐ Aquatic Fauna (B13)	☐ True Aquatic Plants (B14)	☐ Hydrogen Sulfide Odor (C1)	☐ Oxidized Rhizospheres on Living roots (C3)	☐ Presence of Reduced Iron (C4)	☐ Recent Iron Reduction in Tilled Soils (C6)	☐ Thin Muck Surface (C7)	☐ Gauge or Well Data (D9)	☐ Other (Explain in Remarks)
☐ Surface Soil Cracks (B6)	☐ Drainage patterns (B10)	☐ Dry-Season Water table (C2)	☐ Crayfish Burrows (C8)	☐ Saturation Visible on Aerial Imagery (C9)	☐ Stunted or Stressed Plants (D1)	☐ Geomorphic Position (D2)	☐ FAC-Neutral Test (D5)		
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): Water Table Present? Yes ☐ No ☒ Depths (inches): Saturation Present? Yes ☐ No ☒ Depths (inches): (includes capillary fringe)									
Wetland Hydrology Present? Yes ☐ No ☒									
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:									
Remarks:									

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay State: IN Sample Date: 6/6/2024
 Applicant/Owner: Jay County Development Corporation Section: Township, Range: Section 19: T23N, R14E Sample Point: T2P5
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Landform (hillslope, terrace, etc.): Plain Local relief (concave, convex, none): None
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Pewamo silty clay NWI classification: None
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	No	<u>X</u>	Is the Sampled Area Within a Wetland?	Yes	No	<u>X</u>
Hydric Soil Present?	Yes	<u>X</u>	No				
Wetland Hydrology Present?	Yes	No	<u>X</u>				
Remarks: Upland forest							

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. <u>Quercus rubra</u>	<u>40</u>	<u>X</u>	<u>FACU</u>	Number of Dominant Species That are OBL, FACW or FAC:	<u>2</u> (A)
2. <u>Prunus serotina</u>	<u>15</u>	<u>X</u>	<u>FACU</u>	Total Number of Dominant Species Across All Strata:	<u>7</u> (B)
3. <u>Malus coronaria</u>	<u>10</u>		<u>UPL</u>	Percent of Dominant Species That are OBL, FACW, or FAC:	<u>29</u> (A/B)
4. <u> </u>					
5. <u> </u>					
	<u>65</u>	= Total Cover			
Sapling/Shrub Stratum (Plot size): 15-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Prevalence Index worksheet:	
1. <u>Fraxinus americana</u>	<u>10</u>	<u>X</u>	<u>FACU</u>	Total % Cover of:	Multiply by:
2. <u>Lonicera morrowii</u>	<u>10</u>	<u>X</u>	<u>FACU</u>	OBL species	<u> </u> x 1 = <u> </u>
3. <u> </u>				FACW species	<u> </u> x 2 = <u> </u>
4. <u> </u>				FAC species	<u> </u> x 3 = <u> </u>
5. <u> </u>				FACU species	<u> </u> x 4 = <u> </u>
				UPL species	<u> </u> x 5 = <u> </u>
	<u>20</u>	= Total Cover		Column Totals:	<u> </u> (A) <u> </u> (B)
Herb Stratum (Plot size): 5-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators:	
1. <u>Sanicula odorata</u>	<u>50</u>	<u>X</u>	<u>FAC</u>	Rapid Test for Hydrophytic Vegetation	
2. <u>Persicaria virginiana</u>	<u>30</u>	<u>X</u>	<u>FAC</u>	Dominance Test > 50%	
3. <u>Circaea canadensis</u>	<u>20</u>	<u>X</u>	<u>FACU</u>	Prevalence Index is ≤ 3.0 ¹	
4. <u> </u>				Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)	
5. <u> </u>				Problematic Hydrophytic Vegetation ¹ (Explain)	
6. <u> </u>					
7. <u> </u>					
8. <u> </u>					
9. <u> </u>					
10. <u> </u>					
	<u>100</u>	= Total Cover			
Woody Vine Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Present?	
9. <u> </u>				Yes	No <u>X</u>
10. <u> </u>					
		= Total Cover			
Remarks: (Include photo numbers here or on a separate sheet.)					

SOIL

Sampling Point: T2P5

Profile Description: Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color	%	Type ¹	Loc ²		
0-6	10YR 3/1	100					Silty Clay Loam	
6-14	10YR 5/1	98	10YR 5/6	2	C	M	Silty Clay Loam	
14-24	10YR 5/2	95	10YR 5/6	5	C	M	Silty Clay Loam	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:		Indicators for Problematic Hydric Soils ³ :	
☐ Histosol (A1)	☐ Sandy Gleyed matrix (S4)	☐ Coast Prairie Redox (A16)	
☐ Histic Epipedon (A2)	☐ Sandy Redox (S5)	☐ Dark Surface (S7)	
☐ Black Histic (A3)	☐ Stripped Matrix (S6)	☐ Iron-Manganese Masses (F12)	
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1)	☐ Very Shallow Dark Surface (TF12)	
☐ Stratified Layers (A5)	☐ Loamy Gleyed Matrix (F2)	☐ Other (Explain in Remarks)	
☐ 2 cm Muck (A10)	☒ Depleted matrix (F3)		
☒ Depleted Below Dark Surface (A11)	☐ Redox Dark Surface (F6)		
☐ Thick Dark Surface (A12)	☐ Depleted Dark Surface (F7)		
☐ Sandy Mucky Mineral (S1)	☐ Redox Depressions (F8)		
☐ 5 cm Mucky Peat or Peat (S3)			

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed): Type: _____ Depth (in.) _____	Hydric Soil Present? Yes ☒ No ☐
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Remarks:

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; checked all that apply)		Secondary Indicators (minimum of two required)	
☐ Surface water (A1)	☐ Water-Stained Leaves (B9)	☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Fauna (B13)	☐ Drainage patterns (B10)	
☐ Saturation (A3)	☐ True Aquatic Plants (B14)	☐ Dry-Season Water table (C2)	
☐ Water marks (B1)	☐ Hydrogen Sulfide Odor (C1)	☐ Crayfish Burrows (C8)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living roots (C3)	☐ Saturation Visible on Aerial Imagery (C9)	
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)	☐ Stunted or Stressed Plants (D1)	
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)	☐ Geomorphic Position (D2)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☐ FAC-Neutral Test (D5)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Gauge or Well Data (D9)		
☐ Sparsely Vegetated Concave Surface (B8)	☐ Other (Explain in Remarks)		

Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): _____ Water Table Present? Yes ☐ No ☒ Depths (inches): <u>>24</u> Saturation Present? Yes ☐ No ☒ Depths (inches): <u>>24</u> (includes capillary fringe)	Wetland Hydrology Present? Yes ☐ No ☒
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Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/6/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T2P6
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Pewamo silty clay NWI classification: PFO1C
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	<u>X</u>	No	<u> </u>	Is the Sampled Area Within a Wetland? Yes <u>X</u> No <u> </u>
Hydric Soil Present?	Yes	<u>X</u>	No	<u> </u>	
Wetland Hydrology Present?	Yes	<u>X</u>	No	<u> </u>	
Remarks: Section I – Forested wetland					

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW or FAC: <u>7</u> (A) Total Number of Dominant Species Across All Strata: <u>7</u> (B) Percent of Dominant Species That are OBL, FACW, or FAC: <u>100</u> (A/B)
1. <u>Populus deltoides</u>	<u>40</u>	<u>X</u>	<u>FAC</u>	
2. <u>Quercus palustris</u>	<u>15</u>	<u>X</u>	<u>FACW</u>	
3. <u>Fraxinus pennsylvanica</u>	<u>15</u>	<u>X</u>	<u>FACW</u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>70</u> = Total Cover				
Sapling/Shrub Stratum (Plot size): 15-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: OBL species <u> </u> x 1 = <u> </u> FACW species <u> </u> x 2 = <u> </u> FAC species <u> </u> x 3 = <u> </u> FACU species <u> </u> x 4 = <u> </u> UPL species <u> </u> x 5 = <u> </u> Column Totals: <u> </u> (A) <u> </u> (B) Prevalence Index = B/A = <u> </u>
1. <u>Fraxinus pennsylvanica</u>	<u>40</u>	<u>X</u>	<u>FACW</u>	
2. <u>Quercus rubra</u>	<u>10</u>	<u> </u>	<u>FACU</u>	
3. <u>Quercus alba</u>	<u>10</u>	<u> </u>	<u>FACU</u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>60</u> = Total Cover				
Herb Stratum (Plot size): 5-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation Dominance Test > 50% <u>X</u> Prevalence Index is ≤ 3.0 ¹ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain)
1. <u>Carex granularis</u>	<u>20</u>	<u>X</u>	<u>FACW</u>	
2. <u>Galium palustre</u>	<u>20</u>	<u>X</u>	<u>OBL</u>	
3. <u>Carex vulpinoidea</u>	<u>20</u>	<u>X</u>	<u>FACW</u>	
4. <u>Quercus alba</u>	<u>10</u>	<u> </u>	<u>FACU</u>	
5. <u>Persicaria virginiana</u>	<u>10</u>	<u> </u>	<u>FAC</u>	
6. <u>Quercus palustris</u>	<u>5</u>	<u> </u>	<u>FACW</u>	
7. <u>Fraxinus pennsylvanica</u>	<u>5</u>	<u> </u>	<u>FACW</u>	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>90</u> = Total Cover				
Woody Vine Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u> </u> = Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				

SOIL

Sampling Point: T2P6

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required; checked all that apply)				Secondary Indicators (minimum of two required)	
☐ Surface water (A1)	☒	☐ Water-Stained Leaves (B9)	☐ Surface Soil Cracks (B6)		
☐ High Water Table (A2)	☐	☐ Aquatic Fauna (B13)	☐ Drainage patterns (B10)		
☐ Saturation (A3)	☐	☐ True Aquatic Plants (B14)	☐ Dry-Season Water table (C2)		
☐ Water marks (B1)	☐	☐ Hydrogen Sulfide Odor (C1)	☐ Crayfish Burrows (C8)		
☐ Sediment Deposits (B2)	☐	☐ Oxidized Rhizospheres on Living roots (C3)	☐ Saturation Visible on Aerial Imagery (C9)		
☐ Drift Deposits (B3)	☐	☐ Presence of Reduced Iron (C4)	☐ Stunted or Stressed Plants (D1)		
☐ Algal Mat or Crust (B4)	☐	☐ Recent Iron Reduction in Tilled Soils (C6)	☒ Geomorphic Position (D2)		
☐ Iron Deposits (B5)	☐	☐ Thin Muck Surface (C7)	☒ FAC-Neutral Test (D5)		
☐ Inundation Visible on Aerial Imagery (B7)	☐	☐ Gauge or Well Data (D9)			
☐ Sparsely Vegetated Concave Surface (B8)	☐	☐ Other (Explain in Remarks)			
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): Water Table Present? Yes ☐ No ☒ Depths (inches): Saturation Present? Yes ☒ No ☐ Depths (inches): (includes capillary fringe)				Wetland Hydrology Present? Yes ☒ No ☐	
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/6/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T3P1
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Plain Local relief (concave, convex, none): None
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Brookston-Glynwood complex NWI classification: None
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	No	<u>X</u>	Is the Sampled Area Within a Wetland?	Yes	No	<u>X</u>
Hydric Soil Present?	Yes	<u>X</u>	No				
Wetland Hydrology Present?	Yes	No	<u>X</u>				
Remarks: Upland shrubby old field							

Vegetation – Use scientific names of plants.

Tree Stratum	(Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1.					Number of Dominant Species That are OBL, FACW or FAC: <u>2</u> (A)			
2.					Total Number of Dominant Species Across All Strata: <u>4</u> (B)			
3.					Percent of Dominant Species That are OBL, FACW, or FAC: <u>50</u> (A/B)			
4.								
5.								
					<u> </u> = Total Cover			
Sapling/Shrub Stratum	(Plot size): 15-ft radius				Prevalence Index worksheet:			
1.	<u>Cornus drummondii</u>	<u>50</u>	<u>X</u>	<u>FAC</u>	Total % Cover of: Multiply by:			
2.	<u>Elaeagnus umbellata</u>	<u>15</u>	<u>X</u>	<u>UPL</u>	OBL species	<u>0</u>	x 1 =	<u>0</u>
3.	<u>Rosa multiflora</u>	<u>10</u>		<u>FACU</u>	FACW species	<u>0</u>	x 2 =	<u>0</u>
4.					FAC species	<u>100</u>	x 3 =	<u>300</u>
5.					FACU species	<u>13</u>	x 4 =	<u>52</u>
					UPL species	<u>47</u>	x 5 =	<u>235</u>
					Column Totals:	<u>160</u>	(A)	<u>587</u> (B)
					Prevalence Index = B/A =	<u>3.67</u>		
Herb Stratum	(Plot size): 5-ft radius				Hydrophytic Vegetation Indicators:			
1.	<u>Toxicodendron radicans</u>	<u>50</u>	<u>X</u>	<u>FAC</u>	Rapid Test for Hydrophytic Vegetation			
2.	<u>Eupatorium altissimum</u>	<u>30</u>	<u>X</u>	<u>UPL</u>	Dominance Test > 50%			
3.	<u>Erigeron annuus</u>	<u>3</u>		<u>FACU</u>	Prevalence Index is ≤ 3.0 ¹			
4.	<u>Dianthus armeria</u>	<u>2</u>		<u>UPL</u>	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)			
5.					Problematic Hydrophytic Vegetation ¹ (Explain)			
6.								
7.								
8.								
9.								
10.								
					¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
Woody Vine Stratum	(Plot size): 30-ft radius				Hydrophytic Vegetation Present?			
9.					Yes	No	<u>X</u>	
10.								
					<u> </u> = Total Cover			
Remarks: (Include photo numbers here or on a separate sheet.)								

SOIL

Sampling Point: T3P1

Profile Description: Describe to the depth needed to document the indicator or confirm the absence of indicators.)							
Depth (inches)	Matrix		Redox Features				
	Color (moist)	%	Color	%	Type ¹	Loc ²	Texture
0-6	10YR 4/2	100					Silty Clay Loam
6-24	10YR 4/2	95	10YR 4/6	5	C	M	Silty Clay Loam

¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:

☐ Histosol (A1)	☐	Sandy Gleyed matrix (S4)
☐ Histic Epipedon (A2)	☐	Sandy Redox (S5)
☐ Black Histic (A3)	☐	Stripped Matrix (S6)
☐ Hydrogen Sulfide (A4)	☐	Loamy Mucky Mineral (F1)
☐ Stratified Layers (A5)	☐	Loamy Gleyed Matrix (F2)
☐ 2 cm Muck (A10)	☒	Depleted matrix (F3)
☐ Depleted Below Dark Surface (A11)	☐	Redox Dark Surface (F6)
☐ Thick Dark Surface (A12)	☐	Depleted Dark Surface (F7)
☐ Sandy Mucky Mineral (S1)	☐	Redox Depressions (F8)
☐ 5 cm Mucky Peat or Peat (S3)		

Indicators for Problematic Hydric Soils³:

☐ Coast Prairie Redox (A16)
☐ Dark Surface (S7)
☐ Iron-Manganese Masses (F12)
☐ Very Shallow Dark Surface (TF12)
☐ Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (in.): _____

Hydric Soil Present? Yes ☒ No ☐

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:									
Primary Indicators (minimum of one is required; checked all that apply)					Secondary Indicators (minimum of two required)				
☐ Surface water (A1)	☐ High Water Table (A2)	☐ Saturation (A3)	☐ Water marks (B1)	☐ Sediment Deposits (B2)	☐ Drift Deposits (B3)	☐ Algal Mat or Crust (B4)	☐ Iron Deposits (B5)	☐ Inundation Visible on Aerial Imagery (B7)	☐ Sparsely Vegetated Concave Surface (B8)
☐ Water-Stained Leaves (B9)	☐ Aquatic Fauna (B13)	☐ True Aquatic Plants (B14)	☐ Hydrogen Sulfide Odor (C1)	☐ Oxidized Rhizospheres on Living roots (C3)	☐ Presence of Reduced Iron (C4)	☐ Recent Iron Reduction in Tilled Soils (C6)	☐ Thin Muck Surface (C7)	☐ Gauge or Well Data (D9)	☐ Other (Explain in Remarks)
☐ Surface Soil Cracks (B6)	☐ Drainage patterns (B10)	☐ Dry-Season Water table (C2)	☐ Crayfish Burrows (C8)	☐ Saturation Visible on Aerial Imagery (C9)	☐ Stunted or Stressed Plants (D1)	☐ Geomorphic Position (D2)	☐ FAC-Neutral Test (D5)		
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): Water Table Present? Yes ☐ No ☒ Depths (inches): Saturation Present? Yes ☐ No ☒ Depths (inches): (includes capillary fringe)									
Wetland Hydrology Present? Yes ☐ No ☒									
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:									
Remarks:									

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/6/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T3P2
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Pewamo silty clay NWI classification: PFO/SS1C
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	<u>X</u>	No	<u> </u>	Is the Sampled Area Within a Wetland? Yes <u>X</u> No <u> </u>
Hydric Soil Present?	Yes	<u>X</u>	No	<u> </u>	
Wetland Hydrology Present?	Yes	<u>X</u>	No	<u> </u>	
Remarks: Section I – Forested wetland					

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW or FAC: <u>6</u> (A) Total Number of Dominant Species Across All Strata: <u>6</u> (B) Percent of Dominant Species That are OBL, FACW, or FAC: <u>100</u> (A/B)
1. <u>Quercus palustris</u>	<u>40</u>	<u>X</u>	<u>FACW</u>	
2. <u>Ulmus americana</u>	<u>20</u>	<u>X</u>	<u>FACW</u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>60</u> = Total Cover				
Sapling/Shrub Stratum (Plot size): 15-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: OBL species <u> </u> x 1 = <u> </u> FACW species <u> </u> x 2 = <u> </u> FAC species <u> </u> x 3 = <u> </u> FACU species <u> </u> x 4 = <u> </u> UPL species <u> </u> x 5 = <u> </u> Column Totals: <u> </u> (A) <u> </u> (B) Prevalence Index = B/A = <u> </u>
1. <u>Fraxinus pennsylvanica</u>	<u>10</u>	<u>X</u>	<u>FACW</u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>10</u> = Total Cover				
Herb Stratum (Plot size): 5-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation Dominance Test > 50% <u>X</u> Prevalence Index is ≤ 3.0 ¹ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain)
1. <u>Carex vulpinoidea</u>	<u>15</u>	<u>X</u>	<u>FACW</u>	
2. <u>Glyceria striata</u>	<u>10</u>	<u>X</u>	<u>OBL</u>	
3. <u>Scirpus pendulus</u>	<u>10</u>	<u>X</u>	<u>OBL</u>	
4. <u>Fraxinus pennsylvanica</u>	<u>5</u>	<u> </u>	<u>FACW</u>	
5. <u>Carex scoparia</u>	<u>5</u>	<u> </u>	<u>FACW</u>	
6. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>45</u> = Total Cover				
Woody Vine Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u> </u> = Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				

SOIL

Sampling Point: T3P2

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required; checked all that apply)					
☐ Surface water (A1)	☒	Water-Stained Leaves (B9)		☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐	Aquatic Fauna (B13)		☐ Drainage patterns (B10)	
☐ Saturation (A3)	☐	True Aquatic Plants (B14)		☐ Dry-Season Water table (C2)	
☐ Water marks (B1)	☐	Hydrogen Sulfide Odor (C1)		☐ Crayfish Burrows (C8)	
☐ Sediment Deposits (B2)	☐	Oxidized Rhizospheres on Living roots (C3)		☐ Saturation Visible on Aerial Imagery (C9)	
☐ Drift Deposits (B3)	☐	Presence of Reduced Iron (C4)		☐ Stunted or Stressed Plants (D1)	
☐ Algal Mat or Crust (B4)	☐	Recent Iron Reduction in Tilled Soils (C6)		☒ Geomorphic Position (D2)	
☐ Iron Deposits (B5)	☐	Thin Muck Surface (C7)		☒ FAC-Neutral Test (D5)	
☐ Inundation Visible on Aerial Imagery (B7)	☐	Gauge or Well Data (D9)			
☒ Sparsely Vegetated Concave Surface (B8)	☐	Other (Explain in Remarks)			
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): Water Table Present? Yes ☐ No ☒ Depths (inches): >24 Saturation Present? Yes ☐ No ☒ Depths (inches): >24 (includes capillary fringe)				Wetland Hydrology Present? Yes ☒ No ☐	
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/6/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T3P3
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Plain Local relief (concave, convex, none): None
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Pewamo silty clay NWI classification: None
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	No	<u>X</u>	Is the Sampled Area Within a Wetland?	Yes	No	<u>X</u>
Hydric Soil Present?	Yes	<u>X</u>	No				
Wetland Hydrology Present?	Yes	No	<u>X</u>				
Remarks: Upland forest							

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. <u>Quercus rubra</u>	80	<u>X</u>	FACU	Number of Dominant Species That are OBL, FACW or FAC:	<u>2</u> (A)
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	Total Number of Dominant Species Across All Strata:	<u>6</u> (B)
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	Percent of Dominant Species That are OBL, FACW, or FAC:	<u>33</u> (A/B)
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
<u>80</u> = Total Cover					
Sapling/Shrub Stratum (Plot size): 15-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Prevalence Index worksheet:	
1. <u>Rosa multiflora</u>	40	<u>X</u>	FACU	Total % Cover of:	Multiply by:
2. <u>Cornus drummondii</u>	30	<u>X</u>	FAC	OBL species <u> </u>	x 1 = <u> </u>
3. <u>Fraxinus pennsylvanica</u>	10	<u> </u>	FACW	FACW species <u> </u>	x 2 = <u> </u>
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	FAC species <u> </u>	x 3 = <u> </u>
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	FACU species <u> </u>	x 4 = <u> </u>
<u>80</u> = Total Cover				UPL species <u> </u>	x 5 = <u> </u>
				Column Totals:	(A) <u> </u> (B) <u> </u>
				Prevalence Index = B/A =	
Herb Stratum (Plot size): 5-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators:	
1. <u>Sanicula odorata</u>	50	<u>X</u>	FAC	Rapid Test for Hydrophytic Vegetation	
2. <u>Circaea canadensis</u>	20	<u>X</u>	FACU	Dominance Test > 50%	
3. <u>Rubus occidentalis</u>	10	<u> </u>	UPL	Prevalence Index is ≤ 3.0 ¹	
4. <u>Impatiens capensis</u>	5	<u> </u>	FACW	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)	
5. <u>Persicaria virginiana</u>	5	<u> </u>	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)	
6. <u>Vitis aestivalis</u>	5	<u> </u>	FACU		
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
<u>95</u> = Total Cover					
Woody Vine Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>	
9. <u>Parthenocissus quinquefolia</u>	10	<u>X</u>	FACU		
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
<u>10</u> = Total Cover					

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: T3P3

Profile Description: Describe to the depth needed to document the indicator or confirm the absence of indicators.)							
Depth (inches)	Matrix		Redox Features				
	Color (moist)	%	Color	%	Type ¹	Loc ²	Texture
0-8	10YR 4/2	100					Silty Clay Loam
8-24	10YR 5/2	95	10YR 5/6	5	C	M	Silty Clay

¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:

☐	Histosol (A1)	☐	Sandy Gleyed matrix (S4)
☐	Histic Epipedon (A2)	☐	Sandy Redox (S5)
☐	Black Histic (A3)	☐	Stripped Matrix (S6)
☐	Hydrogen Sulfide (A4)	☐	Loamy Mucky Mineral (F1)
☐	Stratified Layers (A5)	☐	Loamy Gleyed Matrix (F2)
☐	2 cm Muck (A10)	☒ X	Depleted matrix (F3)
☐	Depleted Below Dark Surface (A11)	☐	Redox Dark Surface (F6)
☐	Thick Dark Surface (A12)	☐	Depleted Dark Surface (F7)
☐	Sandy Mucky Mineral (S1)	☐	Redox Depressions (F8)
☐	5 cm Mucky Peat or Peat (S3)		

Indicators for Problematic Hydric Soils³:

☐	Coast Prairie Redox (A16)
☐	Dark Surface (S7)
☐	Iron-Manganese Masses (F12)
☐	Very Shallow Dark Surface (TF12)
☐	Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):
 Type: _____
 Depth (in.): _____

Hydric Soil Present? Yes ☒ X No _____

Remarks: _____

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)			
Primary Indicators (minimum of one is required; checked all that apply)				Secondary Indicators (minimum of two required)			
☐ Surface water (A1)	☐ High Water Table (A2)	☐ Saturation (A3)	☐ Water marks (B1)	☐ Sediment Deposits (B2)	☐ Drift Deposits (B3)	☐ Algal Mat or Crust (B4)	☐ Iron Deposits (B5)
☐ Inundation Visible on Aerial Imagery (B7)	☐ Sparsely Vegetated Concave Surface (B8)	☐ Water-Stained Leaves (B9)	☐ Aquatic Fauna (B13)	☐ True Aquatic Plants (B14)	☐ Hydrogen Sulfide Odor (C1)	☐ Oxidized Rhizospheres on Living roots (C3)	☐ Presence of Reduced Iron (C4)
☐ Recent Iron Reduction in Tilled Soils (C6)	☐ Thin Muck Surface (C7)	☐ Gauge or Well Data (D9)	☐ Other (Explain in Remarks)	☐ Surface Soil Cracks (B6)	☐ Drainage patterns (B10)	☐ Dry-Season Water table (C2)	☐ Crayfish Burrows (C8)
☐ Saturation Visible on Aerial Imagery (C9)	☐ Stunted or Stressed Plants (D1)	☐ Geomorphic Position (D2)	☐ FAC-Neutral Test (D5)				
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): Water Table Present? Yes ☐ No ☒ Depths (inches): Saturation Present? Yes ☐ No ☒ Depths (inches): (includes capillary fringe)				Wetland Hydrology Present? Yes ☐ No ☒			
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:							
Remarks:							

Project/Site:	Jay County Property			City/County:	Portland/Jay			Sample Date:	6/6/2024			
Applicant/Owner:	Jay County Development Corporation			State:	IN			Sample Point:	T3P4			
Investigator(s):	Ashlee N. Nichter, Katelyn L. Gutwein			Section: Township, Range:	Section 19: T23N, R14E							
Landform (hillslope, terrace, etc.):	Depression			Local relief (concave, convex, none):	Concave							
Slope (%):	0			Lat:	40.431217°			Long:	-85.006968°			
Soil Map Unit Name:	Pewamo silty clay			NWI classification:	PFO1A							
Are climatic/hydrologic conditions on the site typical for this time of year?				Yes	X		No	(If no, explain in Remarks.)				
Are Vegetation	_____	Soil	_____	_____	_____	_____	_____	Are "Normal Circumstances" present?	Yes	X	No	_____
Are Vegetation	_____	Soil	_____	_____	_____	_____	_____	(If needed, explain any answers in Remarks.)				

Hydrophytic Vegetation Present?	Yes	<u>X</u>	No	<u> </u>	Is the Sampled Area Within a Wetland?	Yes	<u>X</u>	No	<u> </u>
Hydric Soil Present?	Yes	<u>X</u>	No	<u> </u>					
Wetland Hydrology Present?	Yes	<u>X</u>	No	<u> </u>					
Remarks: Section I – Forested wetland									

Tree Stratum		(Plot size): 30-ft radius		Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Quercus palustris</i>	80	X	FACW		
2.						
3.						
4.						
5.						
		80	= Total Cover			
Sapling/Shrub Stratum		(Plot size): 15-ft radius		Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Fraxinus pennsylvanica</i>	40	X	FACW		
2.						
3.						
4.						
5.						
		40	= Total Cover			
Herb Stratum		(Plot size): 5-ft radius		Absolute % Cover	Dominant Species?	Indicator Status
1.	<i>Quercus palustris</i>	30	X	FACW		
2.	<i>Glyceria striata</i>	15	X	OBL		
3.	<i>Symphytotrichum lanceolata</i>	10		FAC		
4.	<i>Carex lacustris</i>	5		OBL	X	
5.	<i>Carex vulpinoidea</i>	5		FACW		
6.						
7.						
8.						
9.						
10.						
		65	= Total Cover			
Woody Vine Stratum		(Plot size): 30-ft radius		Absolute % Cover	Dominant Species?	Indicator Status
9.						
10.						
			= Total Cover			

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That are OBL, FACW, or FAC: 100 (A/B)

Prevalence Index worksheet:

Total % Cover of: Multiply by:

OBL species x 1 =

FACW species x 2 =

FAC species x 3 =

FACU species x 4 =

UPL species x 5 =

Column Totals: (A) (B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

Rapid Test for Hydrophytic Vegetation

Dominance Test > 50%

Prevalence Index is $\leq 3.0^1$

Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)

Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Hydrophytic Vegetation Present? Yes X No

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: T3P4

Profile Description: Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	% 95	Color	%	Type ¹	Loc ²		
0-24	10YR 4/1		10YR 4/6	5	C	M	Silty Clay Loam	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:		Indicators for Problematic Hydric Soils ³ :	
☐ Histosol (A1)	☐ Sandy Gleyed matrix (S4)	☐ Coast Prairie Redox (A16)	
☐ Histic Epipedon (A2)	☐ Sandy Redox (S5)	☐ Dark Surface (S7)	
☐ Black Histic (A3)	☐ Stripped Matrix (S6)	☐ Iron-Manganese Masses (F12)	
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1)	☐ Very Shallow Dark Surface (TF12)	
☐ Stratified Layers (A5)	☐ Loamy Gleyed Matrix (F2)	☐ Other (Explain in Remarks)	
☐ 2 cm Muck (A10)	☒ Depleted matrix (F3)		
☐ Depleted Below Dark Surface (A11)	☐ Redox Dark Surface (F6)		
☐ Thick Dark Surface (A12)	☐ Depleted Dark Surface (F7)		
☐ Sandy Mucky Mineral (S1)	☐ Redox Depressions (F8)		
☐ 5 cm Mucky Peat or Peat (S3)			

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed): Type: _____ Depth (in.) _____	Hydric Soil Present? Yes ☒ No ☐
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Remarks:

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required; checked all that apply)					
☐ Surface water (A1)	☐ Water-Stained Leaves (B9)	☐ Surface Soil Cracks (B6)			
☐ High Water Table (A2)	☐ Aquatic Fauna (B13)	☐ Drainage patterns (B10)			
☐ Saturation (A3)	☐ True Aquatic Plants (B14)	☐ Dry-Season Water table (C2)			
☐ Water marks (B1)	☐ Hydrogen Sulfide Odor (C1)	☐ Crayfish Burrows (C8)			
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living roots (C3)	☐ Saturation Visible on Aerial Imagery (C9)			
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)	☐ Stunted or Stressed Plants (D1)			
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)	☒ Geomorphic Position (D2)			
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☒ FAC-Neutral Test (D5)			
☐ Inundation Visible on Aerial Imagery (B7)	☐ Gauge or Well Data (D9)				
☐ Sparsely Vegetated Concave Surface (B8)	☐ Other (Explain in Remarks)				

Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): _____ Water Table Present? Yes ☐ No ☒ Depths (inches): >24 Saturation Present? Yes ☐ No ☒ Depths (inches): >24 (includes capillary fringe)	Wetland Hydrology Present? Yes ☒ No ☐
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Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/6/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T3P5
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Plain Local relief (concave, convex, none): None
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Brookston-Glynwood Complex NWI classification: None
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes <u> </u>	No <u>X</u>	Is the Sampled Area Within a Wetland? Yes <u> </u> No <u>X</u>
Hydric Soil Present?	Yes <u>X</u>	No <u> </u>	
Wetland Hydrology Present?	Yes <u> </u>	No <u>X</u>	
Remarks: Upland forest			

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>7</u> (B) Percent of Dominant Species That are OBL, FACW, or FAC: <u>14</u> (A/B)
1. <u>Quercus rubra</u>	<u>60</u>	<u>X</u>	<u>FACU</u>	
2. <u>Quercus alba</u>	<u>20</u>	<u>X</u>	<u>FACU</u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>80</u> = Total Cover				
Sapling/Shrub Stratum (Plot size): 15-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: OBL species <u> </u> x 1 = <u> </u> FACW species <u> </u> x 2 = <u> </u> FAC species <u> </u> x 3 = <u> </u> FACU species <u> </u> x 4 = <u> </u> UPL species <u> </u> x 5 = <u> </u> Column Totals: <u> </u> (A) <u> </u> (B) Prevalence Index = B/A = <u> </u>
1. <u>Malus coronaria</u>	<u>30</u>	<u>X</u>	<u>UPL</u>	
2. <u>Gleditsia triacanthos</u>	<u>20</u>	<u>X</u>	<u>FACU</u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>50</u> = Total Cover				
Herb Stratum (Plot size): 5-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation Dominance Test > 50% <u> </u> Prevalence Index is ≤ 3.0 ¹ <u> </u> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) <u> </u> ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Podophyllum peltatum</u>	<u>40</u>	<u>X</u>	<u>FACU</u>	
2. <u>Parthenocissus quinquefolia</u>	<u>30</u>	<u>X</u>	<u>FACU</u>	
3. <u>Persicaria virginiana</u>	<u>20</u>	<u>X</u>	<u>FAC</u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
6. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>90</u> = Total Cover				
Woody Vine Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u> </u> = Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				

SOIL

Sampling Point: T3P5

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required; checked all that apply)				Secondary Indicators (minimum of two required)	
☐	Surface water (A1)	☐	Water-Stained Leaves (B9)	☐	Surface Soil Cracks (B6)
☐	High Water Table (A2)	☐	Aquatic Fauna (B13)	☐	Drainage patterns (B10)
☐	Saturation (A3)	☐	True Aquatic Plants (B14)	☐	Dry-Season Water table (C2)
☐	Water marks (B1)	☐	Hydrogen Sulfide Odor (C1)	☐	Crayfish Burrows (C8)
☐	Sediment Deposits (B2)	☐	Oxidized Rhizospheres on Living roots (C3)	☐	Saturation Visible on Aerial Imagery (C9)
☐	Drift Deposits (B3)	☐	Presence of Reduced Iron (C4)	☐	Stunted or Stressed Plants (D1)
☐	Algal Mat or Crust (B4)	☐	Recent Iron Reduction in Tilled Soils (C6)	☐	Geomorphic Position (D2)
☐	Iron Deposits (B5)	☐	Thin Muck Surface (C7)	☐	FAC-Neutral Test (D5)
☐	Inundation Visible on Aerial Imagery (B7)	☐	Gauge or Well Data (D9)		
☐	Sparsely Vegetated Concave Surface (B8)	☐	Other (Explain in Remarks)		
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): Water Table Present? Yes ☐ No ☒ Depths (inches): <u>>24</u> Saturation Present? Yes ☐ No ☒ Depths (inches): <u>>24</u> (includes capillary fringe)				Wetland Hydrology Present? Yes ☐ No ☒	
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/11/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T3P6
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Brookston-Glynwood Complex NWI classification: PFO1C
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	<u>X</u>	No	<u> </u>	Is the Sampled Area Within a Wetland? Yes <u>X</u> No <u> </u>
Hydric Soil Present?	Yes	<u>X</u>	No	<u> </u>	
Wetland Hydrology Present?	Yes	<u>X</u>	No	<u> </u>	
Remarks: Section III – Forested wetland					

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW or FAC: <u>5</u> (A) Total Number of Dominant Species Across All Strata: <u>5</u> (B) Percent of Dominant Species That are OBL, FACW, or FAC: <u>100</u> (A/B)
1. <u>Quercus palustris</u>	<u>80</u>	<u>X</u>	<u>FACW</u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
80 = Total Cover				Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: OBL species <u> </u> x 1 = <u> </u> FACW species <u> </u> x 2 = <u> </u> FAC species <u> </u> x 3 = <u> </u> FACU species <u> </u> x 4 = <u> </u> UPL species <u> </u> x 5 = <u> </u> Column Totals: <u> </u> (A) <u> </u> (B) Prevalence Index = B/A = <u> </u>
Sapling/Shrub Stratum (Plot size): 15-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	
1. <u>Ulmus americana</u>	<u>30</u>	<u>X</u>	<u>FACW</u>	
2. <u>Quercus palustris</u>	<u>10</u>	<u>X</u>	<u>FACW</u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
40 = Total Cover				
Herb Stratum (Plot size): 5-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation <u>X</u> Dominance Test > 50% <u> </u> Prevalence Index is ≤ 3.0 ¹ <u> </u> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) <u> </u> ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Quercus palustris</u>	<u>5</u>	<u>X</u>	<u>FACW</u>	
2. <u>Toxicodendron radicans</u>	<u>2</u>	<u>X</u>	<u>FAC</u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
7 = Total Cover				
Woody Vine Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
= Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				

SOIL

Sampling Point: T3P6

Profile Description: Describe to the depth needed to document the indicator or confirm the absence of indicators.)							
Depth (inches)	Matrix		Redox Features			Texture	Remarks
	Color (moist)	%	Color	%	Type ¹		
0-8	10YR 4/2	85	10YR 4/6	15	C	M	Silty Clay Loam
8-24	10YR 4/1	90	10YR 4/6	10	C	M	Silty Clay Loam

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:

_____ Histosol (A1)	_____ Sandy Gleyed matrix (S4)
_____ Histic Epipedon (A2)	_____ Sandy Redox (S5)
_____ Black Histic (A3)	_____ Stripped Matrix (S6)
_____ Hydrogen Sulfide (A4)	_____ Loamy Mucky Mineral (F1)
_____ Stratified Layers (A5)	_____ Loamy Gleyed Matrix (F2)
_____ 2 cm Muck (A10)	_____ X _____ Depleted matrix (F3)
_____ Depleted Below Dark Surface (A11)	_____ _____ Redox Dark Surface (F6)
_____ Thick Dark Surface (A12)	_____ _____ Depleted Dark Surface (F7)
_____ Sandy Mucky Mineral (S1)	_____ _____ Redox Depressions (F8)
_____ 5 cm Mucky Peat or Peat (S3)	

Indicators for Problematic Hydric Soils³:

_____ Coast Prairie Redox (A16)
_____ Dark Surface (S7)
_____ Iron-Manganese Masses (F12)
_____ Very Shallow Dark Surface (TF12)
_____ Other (Explain in Remarks) _____

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed): Type: _____ Depth (in.): _____	Hydric Soil Present? Yes <u>X</u> No _____
Remarks:	

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required; checked all that apply)				Secondary Indicators (minimum of two required)	
☐	Surface water (A1)	☒	Water-Stained Leaves (B9)	☐	Surface Soil Cracks (B6)
☐	High Water Table (A2)	☐	Aquatic Fauna (B13)	☐	Drainage patterns (B10)
☐	Saturation (A3)	☐	True Aquatic Plants (B14)	☐	Dry-Season Water table (C2)
☐	Water marks (B1)	☐	Hydrogen Sulfide Odor (C1)	☐	Crayfish Burrows (C8)
☐	Sediment Deposits (B2)	☐	Oxidized Rhizospheres on Living roots (C3)	☐	Saturation Visible on Aerial Imagery (C9)
☐	Drift Deposits (B3)	☐	Presence of Reduced Iron (C4)	☐	Stunted or Stressed Plants (D1)
☐	Algal Mat or Crust (B4)	☐	Recent Iron Reduction in Tilled Soils (C6)	☒	Geomorphic Position (D2)
☐	Iron Deposits (B5)	☐	Thin Muck Surface (C7)	☒	FAC-Neutral Test (D5)
☐	Inundation Visible on Aerial Imagery (B7)	☐	Gauge or Well Data (D9)		
☒	Sparsely Vegetated Concave Surface (B8)	☐	Other (Explain in Remarks)		
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): Water Table Present? Yes ☐ No ☒ Depths (inches): <u>>24</u> Saturation Present? Yes ☐ No ☒ Depths (inches): <u>>24</u> (includes capillary fringe)				Wetland Hydrology Present? Yes ☒ No ☐	
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/11/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T3P7
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Plain Local relief (concave, convex, none): None
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Blount-Glynwood Complex NWI classification: None
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	<u> </u>	No	<u>X</u>	Is the Sampled Area Within a Wetland? Yes <u> </u> No <u>X</u>
Hydric Soil Present?	Yes	<u>X</u>	No	<u> </u>	
Wetland Hydrology Present?	Yes	<u> </u>	No	<u>X</u>	
Remarks: Upland forest					

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. <u>Quercus rubra</u>	40	X	FACU	Number of Dominant Species That are OBL, FACW or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>5</u> (B) Percent of Dominant Species That are OBL, FACW, or FAC: <u>40</u> (A/B)
2. <u>Malus coronaria</u>	20	X	UPL	
3. <u>Ulmus americana</u>	20	X	FACW	
4. <u> </u>				
5. <u> </u>				
<u>80</u> = Total Cover				
				Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: OBL species <u> </u> x 1 = <u> </u> FACW species <u> </u> x 2 = <u> </u> FAC species <u> </u> x 3 = <u> </u> FACU species <u> </u> x 4 = <u> </u> UPL species <u> </u> x 5 = <u> </u> Column Totals: <u> </u> (A) <u> </u> (B) Prevalence Index = B/A = <u> </u>
Sapling/Shrub Stratum (Plot size): 15-ft radius 1. <u>Lonicera morrowii</u> 40 X FACU 2. <u>Fraxinus pennsylvanica</u> 10 FACW 3. <u>Ulmus americana</u> 10 FACW 4. <u> </u> 5. <u> </u> <u>60</u> = Total Cover				
Herb Stratum (Plot size): 5-ft radius 1. <u>Persicaria virginiana</u> 55 X FAC 2. <u>Sanicula odorata</u> 15 FAC 3. <u>Impatiens capensis</u> 15 FACW 4. <u>Rosa multiflora</u> 10 FACU 5. <u>Toxicodendron radicans</u> 5 FAC 6. <u> </u> 7. <u> </u> 8. <u> </u> 9. <u> </u> 10. <u> </u> <u>100</u> = Total Cover				
Woody Vine Stratum (Plot size): 30-ft radius 9. <u> </u> 10. <u> </u> <u> </u> = Total Cover				Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation Dominance Test > 50% Prevalence Index is ≤ 3.0 ¹ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
				Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>
Remarks: (Include photo numbers here or on a separate sheet.)				

SOIL

Sampling Point: T3P7

Profile Description: Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color	%	Type ¹	Loc ²		
0-12	10YR 4/2	95	10YR 4/6	5	C	M	Silty Clay Loam	
12-24	10YR 4/1	90	10YR 4/6	10	C	M	Silty Clay Loam	

¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:

☐	Histosol (A1)	☐	Sandy Gleyed matrix (S4)
☐	Histic Epipedon (A2)	☐	Sandy Redox (S5)
☐	Black Histic (A3)	☐	Stripped Matrix (S6)
☐	Hydrogen Sulfide (A4)	☐	Loamy Mucky Mineral (F1)
☐	Stratified Layers (A5)	☐	Loamy Gleyed Matrix (F2)
☐	2 cm Muck (A10)	☒	Depleted matrix (F3)
☐	Depleted Below Dark Surface (A11)	☐	Redox Dark Surface (F6)
☐	Thick Dark Surface (A12)	☐	Depleted Dark Surface (F7)
☐	Sandy Mucky Mineral (S1)	☐	Redox Depressions (F8)
☐	5 cm Mucky Peat or Peat (S3)		

Indicators for Problematic Hydric Soils³:

☐	Coast Prairie Redox (A16)
☐	Dark Surface (S7)
☐	Iron-Manganese Masses (F12)
☐	Very Shallow Dark Surface (TF12)
☐	Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed): Type: _____ Depth (in.) _____	Hydric Soil Present? Yes ☒ No _____
Remarks:	

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)			
Primary Indicators (minimum of one is required; checked all that apply)				Secondary Indicators (minimum of two required)			
☐ Surface water (A1)		☐ Water-Stained Leaves (B9)		☐ Surface Soil Cracks (B6)			
☐ High Water Table (A2)		☐ Aquatic Fauna (B13)		☐ Drainage patterns (B10)			
☐ Saturation (A3)		☐ True Aquatic Plants (B14)		☐ Dry-Season Water table (C2)			
☐ Water marks (B1)		☐ Hydrogen Sulfide Odor (C1)		☐ Crayfish Burrows (C8)			
☐ Sediment Deposits (B2)		☐ Oxidized Rhizospheres on Living roots (C3)		☐ Saturation Visible on Aerial Imagery (C9)			
☐ Drift Deposits (B3)		☐ Presence of Reduced Iron (C4)		☐ Stunted or Stressed Plants (D1)			
☐ Algal Mat or Crust (B4)		☐ Recent Iron Reduction in Tilled Soils (C6)		☐ Geomorphic Position (D2)			
☐ Iron Deposits (B5)		☐ Thin Muck Surface (C7)		☐ FAC-Neutral Test (D5)			
☐ Inundation Visible on Aerial Imagery (B7)		☐ Gauge or Well Data (D9)					
☐ Sparsely Vegetated Concave Surface (B8)		☐ Other (Explain in Remarks)					
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): Water Table Present? Yes ☐ No ☒ Depths (inches): Saturation Present? Yes ☐ No ☒ Depths (inches): (includes capillary fringe)				Wetland Hydrology Present? Yes ☐ No ☒			
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:							
Remarks:							

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/6/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T3P8
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Brookston-Glynwood Complex NWI classification: PFO1C
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	<u>X</u>	No	<u> </u>	Is the Sampled Area Within a Wetland? Yes <u>X</u> No <u> </u>
Hydric Soil Present?	Yes	<u>X</u>	No	<u> </u>	
Wetland Hydrology Present?	Yes	<u>X</u>	No	<u> </u>	
Remarks: Section I – Forested wetland					

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW or FAC: <u>6</u> (A) Total Number of Dominant Species Across All Strata: <u>8</u> (B) Percent of Dominant Species That are OBL, FACW, or FAC: <u>75</u> (A/B)
1. <u>Quercus palustris</u>	<u>80</u>	<u>X</u>	<u>FACW</u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>80</u> = Total Cover				Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: OBL species <u> </u> x 1 = <u> </u> FACW species <u> </u> x 2 = <u> </u> FAC species <u> </u> x 3 = <u> </u> FACU species <u> </u> x 4 = <u> </u> UPL species <u> </u> x 5 = <u> </u> Column Totals: <u> </u> (A) <u> </u> (B) Prevalence Index = B/A = <u> </u>
Sapling/Shrub Stratum (Plot size): 15-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	
1. <u>Rhamnus cathartica</u>	<u>30</u>	<u>X</u>	<u>FAC</u>	
2. <u>Crataegus mollis</u>	<u>20</u>	<u>X</u>	<u>FAC</u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>50</u> = Total Cover				
Herb Stratum (Plot size): 5-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation Dominance Test > 50% Prevalence Index is ≤ 3.0 ¹ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain)
1. <u>Sanicula odorata</u>	<u>20</u>	<u>X</u>	<u>FAC</u>	
2. <u>Rubus occidentalis</u>	<u>15</u>	<u>X</u>	<u>UPL</u>	
3. <u>Lycopus americanus</u>	<u>10</u>	<u>X</u>	<u>OBL</u>	
4. <u>Persicaria virginiana</u>	<u>10</u>	<u>X</u>	<u>FAC</u>	
5. <u>Carex cephaloidea</u>	<u>10</u>	<u>X</u>	<u>FACU</u>	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
6. <u>Impatiens capensis</u>	<u>5</u>	<u> </u>	<u>FACW</u>	
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>70</u> = Total Cover				Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>
Woody Vine Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u> </u> = Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				

SOIL

Sampling Point: T3P8

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:					Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required; checked all that apply)						
☐	Surface water (A1)	☐	Water-Stained Leaves (B9)	☐	Surface Soil Cracks (B6)	
☐	High Water Table (A2)	☐	Aquatic Fauna (B13)	☐	Drainage patterns (B10)	
☒	Saturation (A3)	☐	True Aquatic Plants (B14)	☐	Dry-Season Water table (C2)	
☐	Water marks (B1)	☐	Hydrogen Sulfide Odor (C1)	☐	Crayfish Burrows (C8)	
☐	Sediment Deposits (B2)	☐	Oxidized Rhizospheres on Living roots (C3)	☐	Saturation Visible on Aerial Imagery (C9)	
☐	Drift Deposits (B3)	☐	Presence of Reduced Iron (C4)	☐	Stunted or Stressed Plants (D1)	
☐	Algal Mat or Crust (B4)	☐	Recent Iron Reduction in Tilled Soils (C6)	☒	Geomorphic Position (D2)	
☐	Iron Deposits (B5)	☐	Thin Muck Surface (C7)	☒	FAC-Neutral Test (D5)	
☐	Inundation Visible on Aerial Imagery (B7)	☐	Gauge or Well Data (D9)			
☒	Sparsely Vegetated Concave Surface (B8)	☐	Other (Explain in Remarks)			
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): Water Table Present? Yes ☐ No ☒ Depths (inches): >24 Saturation Present? Yes ☒ No ☐ Depths (inches): 0 (includes capillary fringe)					Wetland Hydrology Present? Yes ☒ No ☐	
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:						
Remarks:						

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/7/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T3P9
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Plain Local relief (concave, convex, none): None
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Brookston-Glynwood Complex NWI classification: None
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	No	<u>X</u>	Is the Sampled Area Within a Wetland?	Yes	No	<u>X</u>
Hydric Soil Present?	Yes	<u>X</u>	No				
Wetland Hydrology Present?	Yes	No	<u>X</u>				
Remarks: Upland forest							

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>6</u> (B) Percent of Dominant Species That are OBL, FACW, or FAC: <u>33</u> (A/B)
1. <u>Quercus palustris</u>	<u>70</u>	<u>X</u>	<u>FACW</u>	
2. <u>Crataegus crus-galli</u>	<u>10</u>		<u>FAC</u>	
3. <u> </u>				
4. <u> </u>				
5. <u> </u>				
<u>80</u> = Total Cover				
Sapling/Shrub Stratum (Plot size): 15-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: OBL species <u> </u> x 1 = <u> </u> FACW species <u> </u> x 2 = <u> </u> FAC species <u> </u> x 3 = <u> </u> FACU species <u> </u> x 4 = <u> </u> UPL species <u> </u> x 5 = <u> </u> Column Totals: <u> </u> (A) <u> </u> (B) Prevalence Index = B/A = <u> </u>
1. <u>Fraxinus pennsylvanica</u>	<u>30</u>	<u>X</u>	<u>FACW</u>	
2. <u>Lonicera morrowii</u>	<u>10</u>	<u>X</u>	<u>FACU</u>	
3. <u> </u>				
4. <u> </u>				
5. <u> </u>				
<u>40</u> = Total Cover				
Herb Stratum (Plot size): 5-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation Dominance Test > 50% Prevalence Index is ≤ 3.0 ¹ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Parthenocissus quinquefolia</u>	<u>50</u>	<u>X</u>	<u>FACU</u>	
2. <u>Circaea canadensis</u>	<u>40</u>	<u>X</u>	<u>FACU</u>	
3. <u>Persicaria virginiana</u>	<u>10</u>		<u>FAC</u>	
4. <u> </u>				
5. <u> </u>				
6. <u> </u>				
7. <u> </u>				
8. <u> </u>				
9. <u> </u>				
10. <u> </u>				
<u>100</u> = Total Cover				
Woody Vine Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>
9. <u>Parthenocissus quinquefolia</u>	<u>20</u>	<u>X</u>	<u>FACU</u>	
10. <u> </u>				
<u>20</u> = Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				

SOIL

Sampling Point: T3P9

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)			
Primary Indicators (minimum of one is required; checked all that apply)				Secondary Indicators (minimum of two required)			
☐ Surface water (A1)	☐ High Water Table (A2)	☐ Saturation (A3)	☐ Water marks (B1)	☐ Sediment Deposits (B2)	☐ Drift Deposits (B3)	☐ Algal Mat or Crust (B4)	☐ Iron Deposits (B5)
☐ Inundation Visible on Aerial Imagery (B7)	☐ Sparsely Vegetated Concave Surface (B8)	☐ Water-Stained Leaves (B9)	☐ Aquatic Fauna (B13)	☐ True Aquatic Plants (B14)	☐ Hydrogen Sulfide Odor (C1)	☐ Oxidized Rhizospheres on Living roots (C3)	☐ Presence of Reduced Iron (C4)
☐ Recent Iron Reduction in Tilled Soils (C6)	☐ Thin Muck Surface (C7)	☐ Gauge or Well Data (D9)	☐ Other (Explain in Remarks)	☐ Surface Soil Cracks (B6)	☐ Drainage patterns (B10)	☐ Dry-Season Water table (C2)	☐ Crayfish Burrows (C8)
☐ Saturation Visible on Aerial Imagery (C9)	☐ Stunted or Stressed Plants (D1)	☐ Geomorphic Position (D2)	☐ FAC-Neutral Test (D5)				
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): <u> </u> Water Table Present? Yes ☐ No ☒ Depths (inches): <u>>24</u> Saturation Present? Yes ☐ No ☒ Depths (inches): <u>>24</u> (includes capillary fringe)				Wetland Hydrology Present? Yes ☐ No ☒			
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:							
Remarks:							

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/7/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T3P10
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Brookston-Glynwood Complex NWI classification: PFO1C
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	<u>X</u>	No	<u> </u>	Is the Sampled Area Within a Wetland? Yes <u>X</u> No <u> </u>
Hydric Soil Present?	Yes	<u>X</u>	No	<u> </u>	
Wetland Hydrology Present?	Yes	<u>X</u>	No	<u> </u>	
Remarks: Section IV – Forested wetland					

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW or FAC: <u>6</u> (A) Total Number of Dominant Species Across All Strata: <u>6</u> (B) Percent of Dominant Species That are OBL, FACW, or FAC: <u>100</u> (A/B)
1. <u>Quercus palustris</u>	<u>20</u>	<u>X</u>	<u>FACW</u>	
2. <u>Ulmus americana</u>	<u>20</u>	<u>X</u>	<u>FACW</u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>40</u> = Total Cover				Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: OBL species <u> </u> x 1 = <u> </u> FACW species <u> </u> x 2 = <u> </u> FAC species <u> </u> x 3 = <u> </u> FACU species <u> </u> x 4 = <u> </u> UPL species <u> </u> x 5 = <u> </u> Column Totals: <u> </u> (A) <u> </u> (B) Prevalence Index = B/A = <u> </u>
Sapling/Shrub Stratum (Plot size): 15-ft radius 1. <u>Ulmus americana</u> <u>30</u> <u>X</u> <u>FACW</u> 2. <u>Fraxinus pennsylvanica</u> <u>10</u> <u>X</u> <u>FACW</u> 3. <u>Crataegus crus-galli</u> <u>10</u> <u>X</u> <u>FAC</u> 4. <u> </u> <u> </u> <u> </u> <u> </u> 5. <u> </u> <u> </u> <u> </u> <u> </u> <u>40</u> = Total Cover				
Herb Stratum (Plot size): 5-ft radius 1. <u>Fraxinus pennsylvanica</u> <u>5</u> <u>X</u> <u>FACW</u> 2. <u> </u> <u> </u> <u> </u> <u> </u> 3. <u> </u> <u> </u> <u> </u> <u> </u> 4. <u> </u> <u> </u> <u> </u> <u> </u> 5. <u> </u> <u> </u> <u> </u> <u> </u> 6. <u> </u> <u> </u> <u> </u> <u> </u> 7. <u> </u> <u> </u> <u> </u> <u> </u> 8. <u> </u> <u> </u> <u> </u> <u> </u> 9. <u> </u> <u> </u> <u> </u> <u> </u> 10. <u> </u> <u> </u> <u> </u> <u> </u> <u>5</u> = Total Cover				
Woody Vine Stratum (Plot size): 30-ft radius 9. <u> </u> <u> </u> <u> </u> <u> </u> 10. <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> = Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				

SOIL

Sampling Point: T3P10

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required; checked all that apply)				Secondary Indicators (minimum of two required)	
☐ Surface water (A1)	☐ High Water Table (A2)	☐ Saturation (A3)	☐ Water-Stained Leaves (B9)	☐ Surface Soil Cracks (B6)	☐ Drainage patterns (B10)
☐ Water marks (B1)	☐ Sediment Deposits (B2)	☐ Drift Deposits (B3)	☐ Aquatic Fauna (B13)	☐ Dry-Season Water table (C2)	☐ Crayfish Burrows (C8)
☐ Algal Mat or Crust (B4)	☐ Iron Deposits (B5)	☐ Inundation Visible on Aerial Imagery (B7)	☐ True Aquatic Plants (B14)	☐ Saturation Visible on Aerial Imagery (C9)	☐ Stunted or Stressed Plants (D1)
☒ Sparsely Vegetated Concave Surface (B8)	☐ Hydrogen Sulfide Odor (C1)	☐ Oxidized Rhizospheres on Living roots (C3)	☐ Presence of Reduced Iron (C4)	☒ Geomorphic Position (D2)	☒ FAC-Neutral Test (D5)
	☐ Recent Iron Reduction in Tilled Soils (C6)	☐ Thin Muck Surface (C7)	☐ Gauge or Well Data (D9)		
	☐ Other (Explain in Remarks)				
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): Water Table Present? Yes ☐ No ☒ Depths (inches): Saturation Present? Yes ☐ No ☒ Depths (inches): (includes capillary fringe)				Wetland Hydrology Present? Yes ☒ No ☐	
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/6/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T3P11
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Plain Local relief (concave, convex, none): Convex
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Brookston-Glynwood Complex NWI classification: None
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes <u> </u>	No <u>X</u>	Is the Sampled Area Within a Wetland? Yes <u> </u> No <u>X</u>
Hydric Soil Present?	Yes <u> </u>	No <u>X</u>	
Wetland Hydrology Present?	Yes <u> </u>	No <u>X</u>	
Remarks: Upland forest			

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW or FAC: <u>4</u> (A) Total Number of Dominant Species Across All Strata: <u>8</u> (B) Percent of Dominant Species That are OBL, FACW, or FAC: <u>50</u> (A/B)
1. <u>Quercus rubra</u>	<u>40</u>	<u>X</u>	<u>FACU</u>	
2. <u>Carya laciniosa</u>	<u>30</u>	<u>X</u>	<u>FACW</u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>70</u> = Total Cover				
Sapling/Shrub Stratum (Plot size): 15-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: OBL species <u> </u> x 1 = <u> </u> FACW species <u> </u> x 2 = <u> </u> FAC species <u> </u> x 3 = <u> </u> FACU species <u> </u> x 4 = <u> </u> UPL species <u> </u> x 5 = <u> </u> Column Totals: <u> </u> (A) <u> </u> (B) Prevalence Index = B/A = <u> </u>
1. <u>Lonicera tatarica</u>	<u>15</u>	<u>X</u>	<u>FACU</u>	
2. <u>Aesculus glabra</u>	<u>10</u>	<u>X</u>	<u>FAC</u>	
3. <u>Carpinus caroliniana</u>	<u>10</u>	<u>X</u>	<u>FAC</u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>35</u> = Total Cover				
Herb Stratum (Plot size): 5-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation Dominance Test > 50% Prevalence Index is ≤ 3.0 ¹ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain)
1. <u>Parthenocissus quinquefolia</u>	<u>60</u>	<u>X</u>	<u>FACU</u>	
2. <u>Fraxinus pennsylvanica</u>	<u>20</u>	<u>X</u>	<u>FACW</u>	
3. <u>Lonicera tatarica</u>	<u>20</u>	<u>X</u>	<u>FACU</u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
6. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>100</u> = Total Cover				
Woody Vine Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u> </u> = Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				

SOIL

Sampling Point: T3P11

Profile Description: Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	% 100	Color	%	Type ¹	Loc ²		
0-4	10YR 2/1						Loam	
4-							Cobblestone	
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix								
Hydric Soil Indicators:					Indicators for Problematic Hydric Soils³:			
☐	Histosol (A1)		☐	Sandy Gleyed matrix (S4)	☐	Coast Prairie Redox (A16)		
☐	Histic Epipedon (A2)		☐	Sandy Redox (S5)	☐	Dark Surface (S7)		
☐	Black Histic (A3)		☐	Stripped Matrix (S6)	☐	Iron-Manganese Masses (F12)		
☐	Hydrogen Sulfide (A4)		☐	Loamy Mucky Mineral (F1)	☐	Very Shallow Dark Surface (TF12)		
☐	Stratified Layers (A5)		☐	Loamy Gleyed Matrix (F2)	☐	Other (Explain in Remarks)		
☐	2 cm Muck (A10)		☐	Depleted matrix (F3)		³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.		
☐	Depleted Below Dark Surface (A11)		☐	Redox Dark Surface (F6)				
☐	Thick Dark Surface (A12)		☐	Depleted Dark Surface (F7)				
☐	Sandy Mucky Mineral (S1)		☐	Redox Depressions (F8)				
☐	5 cm Mucky Peat or Peat (S3)							
Restrictive Layer (if observed):								
Type: _____								
Depth (in.) _____					Hydric Soil Present? Yes _____ No <u> X </u>			
Remarks: Soil appeared to be fill material overlying cobblestone from the nearby railroad.								

HYDROLOGY

Wetland Hydrology Indicators:					Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required; checked all that apply)						
☐	Surface water (A1)	☐	Water-Stained Leaves (B9)	☐	Surface Soil Cracks (B6)	
☐	High Water Table (A2)	☐	Aquatic Fauna (B13)	☐	Drainage patterns (B10)	
☐	Saturation (A3)	☐	True Aquatic Plants (B14)	☐	Dry-Season Water table (C2)	
☐	Water marks (B1)	☐	Hydrogen Sulfide Odor (C1)	☐	Crayfish Burrows (C8)	
☐	Sediment Deposits (B2)	☐	Oxidized Rhizospheres on Living roots (C3)	☐	Saturation Visible on Aerial Imagery (C9)	
☐	Drift Deposits (B3)	☐	Presence of Reduced Iron (C4)	☐	Stunted or Stressed Plants (D1)	
☐	Algal Mat or Crust (B4)	☐	Recent Iron Reduction in Tilled Soils (C6)	☐	Geomorphic Position (D2)	
☐	Iron Deposits (B5)	☐	Thin Muck Surface (C7)	☐	FAC-Neutral Test (D5)	
☐	Inundation Visible on Aerial Imagery (B7)	☐	Gauge or Well Data (D9)			
☐	Sparsely Vegetated Concave Surface (B8)	☐	Other (Explain in Remarks)			
Field Observations:						
Surface Water Present?	Yes _____ No <u> X </u>	Depths (inches):	_____		Wetland Hydrology Present? Yes _____ No <u> X </u>	
Water Table Present?	Yes _____ No <u> X </u>	Depths (inches):	_____			
Saturation Present?	Yes _____ No <u> X </u>	Depths (inches):	_____			
(includes capillary fringe)						
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:						
Remarks:						

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/11/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T3P12
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Plain Local relief (concave, convex, none): Convex
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Brookston-Glynwood Complex NWI classification: None
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	No	<u>X</u>	Is the Sampled Area Within a Wetland?	Yes	No	<u>X</u>
Hydric Soil Present?	Yes	<u>X</u>	No				
Wetland Hydrology Present?	Yes	No	<u>X</u>				
Remarks: Upland forest							

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. <u>Quercus alba</u>	<u>60</u>	<u>X</u>	<u>FACU</u>	Number of Dominant Species That are OBL, FACW or FAC:	<u>4</u> (A)
2. <u>Prunus serotina</u>	<u>30</u>	<u>X</u>	<u>FACU</u>	Total Number of Dominant Species Across All Strata:	<u>8</u> (B)
3. <u>Carya ovata</u>	<u>10</u>		<u>FACU</u>	Percent of Dominant Species That are OBL, FACW, or FAC:	<u>50</u> (A/B)
4. <u> </u>					
5. <u> </u>					
	<u>100</u>	= Total Cover			
Sapling/Shrub Stratum (Plot size): 15-ft radius				Prevalence Index worksheet:	
1. <u>Lonicera morrowii</u>	<u>20</u>	<u>X</u>	<u>FACU</u>	Total % Cover of:	Multiply by:
2. <u>Aesculus glabra</u>	<u>10</u>	<u>X</u>	<u>FAC</u>	OBL species	<u> </u> x 1 = <u> </u>
3. <u>Fraxinus pennsylvanica</u>	<u>10</u>	<u>X</u>	<u>FACW</u>	FACW species	<u> </u> x 2 = <u> </u>
4. <u>Lindera benzoin</u>	<u>10</u>	<u>X</u>	<u>FACW</u>	FAC species	<u> </u> x 3 = <u> </u>
5. <u> </u>				FACU species	<u> </u> x 4 = <u> </u>
				UPL species	<u> </u> x 5 = <u> </u>
	<u>50</u>	= Total Cover		Column Totals:	<u> </u> (A) <u> </u> (B)
Herb Stratum (Plot size): 5-ft radius				Hydrophytic Vegetation Indicators:	
1. <u>Parthenocissus quinquefolia</u>	<u>30</u>	<u>X</u>	<u>FACU</u>	Rapid Test for Hydrophytic Vegetation	
2. <u>Sanicula odorata</u>	<u>25</u>	<u>X</u>	<u>FAC</u>	Dominance Test > 50%	
3. <u>Cryptotaenia canadensis</u>	<u>10</u>		<u>FAC</u>	Prevalence Index is ≤ 3.0 ¹	
4. <u>Arisaema triphyllum</u>	<u>5</u>		<u>FACW</u>	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)	
5. <u> </u>				Problematic Hydrophytic Vegetation ¹ (Explain)	
6. <u> </u>				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
7. <u> </u>					
8. <u> </u>					
9. <u> </u>					
10. <u> </u>					
	<u>70</u>	= Total Cover			
Woody Vine Stratum (Plot size): 30-ft radius				Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>	
9. <u> </u>					
10. <u> </u>					
		= Total Cover			
Remarks: (Include photo numbers here or on a separate sheet.)					

SOIL

Sampling Point: T3P12

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required; checked all that apply)					
☐ Surface water (A1)	☐ High Water Table (A2)	☐ Saturation (A3)	☐ Water marks (B1)	☐ Sediment Deposits (B2)	☐ Drift Deposits (B3)
☐ Algal Mat or Crust (B4)	☐ Iron Deposits (B5)	☐ Inundation Visible on Aerial Imagery (B7)	☐ Sparsely Vegetated Concave Surface (B8)	☐ Water-Stained Leaves (B9)	☐ Aquatic Fauna (B13)
☐ True Aquatic Plants (B14)	☐ Hydrogen Sulfide Odor (C1)	☐ Oxidized Rhizospheres on Living roots (C3)	☐ Presence of Reduced Iron (C4)	☐ Recent Iron Reduction in Tilled Soils (C6)	☐ Thin Muck Surface (C7)
☐ Gauge or Well Data (D9)	☐ Other (Explain in Remarks)	☐ Surface Soil Cracks (B6)	☐ Drainage patterns (B10)	☐ Dry-Season Water table (C2)	☐ Crayfish Burrows (C8)
☐ Saturation Visible on Aerial Imagery (C9)	☐ Stunted or Stressed Plants (D1)	☐ Geomorphic Position (D2)	☐ FAC-Neutral Test (D5)		
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): Water Table Present? Yes ☐ No ☒ Depths (inches): Saturation Present? Yes ☐ No ☒ Depths (inches): (includes capillary fringe)				Wetland Hydrology Present? Yes ☐ No ☒	
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/11/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T3P13
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Blount-Glynwood Complex NWI classification: PFO1A
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	<u>X</u>	No	<u> </u>	Is the Sampled Area Within a Wetland? Yes <u>X</u> No <u> </u>
Hydric Soil Present?	Yes	<u>X</u>	No	<u> </u>	
Wetland Hydrology Present?	Yes	<u>X</u>	No	<u> </u>	
Remarks: Section II – Forested wetland					

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That are OBL, FACW, or FAC: <u>67</u> (A/B)
1. <u>Ulmus americana</u>	<u>10</u>	<u>X</u>	<u>FACW</u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>10</u> = Total Cover				Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: OBL species <u> </u> x 1 = <u> </u> FACW species <u> </u> x 2 = <u> </u> FAC species <u> </u> x 3 = <u> </u> FACU species <u> </u> x 4 = <u> </u> UPL species <u> </u> x 5 = <u> </u> Column Totals: <u> </u> (A) <u> </u> (B) Prevalence Index = B/A = <u> </u>
Sapling/Shrub Stratum (Plot size): 15-ft radius				
1. <u>Fraxinus pennsylvanica</u>	<u>20</u>	<u>X</u>	<u>FACW</u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>20</u> = Total Cover				
Herb Stratum (Plot size): 5-ft radius				Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation <u>X</u> Dominance Test > 50% Prevalence Index is ≤ 3.0 ¹ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Parthenocissus quinquefolia</u>	<u>10</u>	<u>X</u>	<u>FACU</u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
6. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>10</u> = Total Cover				
Woody Vine Stratum (Plot size): 30-ft radius				Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u> </u> = Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				

SOIL

Sampling Point: T3P13

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required; checked all that apply)				Secondary Indicators (minimum of two required)	
☐ Surface water (A1)	☐ High Water Table (A2)	☐ Saturation (A3)	☐ Water marks (B1)	☐ Sediment Deposits (B2)	☐ Drift Deposits (B3)
☐ Algal Mat or Crust (B4)	☐ Iron Deposits (B5)	☐ Inundation Visible on Aerial Imagery (B7)	☒ Sparsely Vegetated Concave Surface (B8)	☐ Water-Stained Leaves (B9)	☐ Aquatic Fauna (B13)
☐ True Aquatic Plants (B14)	☐ Hydrogen Sulfide Odor (C1)	☐ Oxidized Rhizospheres on Living roots (C3)	☐ Presence of Reduced Iron (C4)	☐ Recent Iron Reduction in Tilled Soils (C6)	☐ Thin Muck Surface (C7)
☐ Gauge or Well Data (D9)	☐ Other (Explain in Remarks)	☐ Surface Soil Cracks (B6)	☐ Drainage patterns (B10)	☐ Dry-Season Water table (C2)	☐ Crayfish Burrows (C8)
☐ Saturation Visible on Aerial Imagery (C9)	☐ Stunted or Stressed Plants (D1)	☒ Geomorphic Position (D2)	☒ FAC-Neutral Test (D5)		
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): Water Table Present? Yes ☐ No ☒ Depths (inches): <u>>24</u> Saturation Present? Yes ☐ No ☒ Depths (inches): <u>>24</u> (includes capillary fringe)				Wetland Hydrology Present? Yes ☒ No ☐	
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/6/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T3P14
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Drain Local relief (concave, convex, none): Concave
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Glynwood silt loam NWI classification: R4SB
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	No	<u>X</u>	Is the Sampled Area Within a Wetland?	Yes	No	<u>X</u>
Hydric Soil Present?	Yes	<u>X</u>	No				
Wetland Hydrology Present?	Yes	<u>X</u>	No				
Remarks: Drain 1 – Intermittent Drain identified as an Unnamed Tributary to the Salamonie River. The drain was 6 feet wide with no water flowing at the time of delineation. Delineated at the ordinary high water mark (OHWM), 8 inches above the flow line. Defined bed and bank.							

Vegetation – Use scientific names of plants.

Tree Stratum	(Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW or FAC: _____ (A) Total Number of Dominant Species Across All Strata: _____ (B) Percent of Dominant Species That are OBL, FACW, or FAC: _____ (A/B)
1.	_____	_____	_____	_____	
2.	_____	_____	_____	_____	
3.	_____	_____	_____	_____	
4.	_____	_____	_____	_____	
5.	_____	_____	_____	_____	
					_____ = Total Cover
Sapling/Shrub Stratum	(Plot size): 15-ft radius				Prevalence Index worksheet: Total % Cover of: _____ Multiply by: OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____
1.	_____	_____	_____	_____	
2.	_____	_____	_____	_____	
3.	_____	_____	_____	_____	
4.	_____	_____	_____	_____	
5.	_____	_____	_____	_____	
					_____ = Total Cover
Herb Stratum	(Plot size): 5-ft radius				Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation Dominance Test > 50% Prevalence Index is ≤ 3.0 ¹ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1.	_____	_____	_____	_____	
2.	_____	_____	_____	_____	
3.	_____	_____	_____	_____	
4.	_____	_____	_____	_____	
5.	_____	_____	_____	_____	
6.	_____	_____	_____	_____	
7.	_____	_____	_____	_____	
8.	_____	_____	_____	_____	
9.	_____	_____	_____	_____	
10.	_____	_____	_____	_____	
					_____ = Total Cover
Woody Vine Stratum	(Plot size): 30-ft radius				Hydrophytic Vegetation Present? Yes _____ No <u>X</u>
9.	_____	_____	_____	_____	
10.	_____	_____	_____	_____	
					_____ = Total Cover
Remarks: (Include photo numbers here or on a separate sheet.) No vegetation present below the OHWM					

SOIL

Sampling Point: T3P14

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:					Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required; checked all that apply)						
☐	Surface water (A1)	☐	Water-Stained Leaves (B9)	☐	Surface Soil Cracks (B6)	
☐	High Water Table (A2)	☐	Aquatic Fauna (B13)	☐	Drainage patterns (B10)	
☒	Saturation (A3)	☐	True Aquatic Plants (B14)	☐	Dry-Season Water table (C2)	
☐	Water marks (B1)	☐	Hydrogen Sulfide Odor (C1)	☐	Crayfish Burrows (C8)	
☐	Sediment Deposits (B2)	☐	Oxidized Rhizospheres on Living roots (C3)	☐	Saturation Visible on Aerial Imagery (C9)	
☐	Drift Deposits (B3)	☐	Presence of Reduced Iron (C4)	☐	Stunted or Stressed Plants (D1)	
☐	Algal Mat or Crust (B4)	☐	Recent Iron Reduction in Tilled Soils (C6)	☐	Geomorphic Position (D2)	
☐	Iron Deposits (B5)	☐	Thin Muck Surface (C7)	☐	FAC-Neutral Test (D5)	
☐	Inundation Visible on Aerial Imagery (B7)	☐	Gauge or Well Data (D9)			
☐	Sparsely Vegetated Concave Surface (B8)	☐	Other (Explain in Remarks)			
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): Water Table Present? Yes ☐ No ☒ Depths (inches): Saturation Present? Yes ☒ No ☐ Depths (inches): 0 (includes capillary fringe)					Wetland Hydrology Present? Yes ☒ No ☐	
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:						
Remarks: Delineated at the ordinary high water mark (OHWM), 8 inches above the flow line., Defined bed and bank.						

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/6/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T3P15
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Plain Local relief (concave, convex, none): None
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Glynwood silt loam NWI classification: None
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	No	<u>X</u>	Is the Sampled Area Within a Wetland?	Yes	No	<u>X</u>
Hydric Soil Present?	Yes	<u>X</u>	No				
Wetland Hydrology Present?	Yes	No	<u>X</u>				
Remarks: Upland forest							

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. <u>Quercus rubra</u>	<u>50</u>	<u>X</u>	<u>FACU</u>	Number of Dominant Species That are OBL, FACW or FAC:	<u>4</u> (A)
2. <u>Tilia americana</u>	<u>20</u>	<u>X</u>	<u>FACU</u>	Total Number of Dominant Species Across All Strata:	<u>12</u> (B)
3. <u>Quercus alba</u>	<u>20</u>	<u>X</u>	<u>FACU</u>	Percent of Dominant Species That are OBL, FACW, or FAC:	<u>33</u> (A/B)
4. <u>Aesculus glabra</u>	<u>10</u>		<u>FAC</u>		
5. <u> </u>					
	<u>100</u>			<u> </u> = Total Cover	
Sapling/Shrub Stratum (Plot size): 15-ft radius				Prevalence Index worksheet:	
1. <u>Acer saccharum</u>	<u>10</u>	<u>X</u>	<u>FACU</u>	Total % Cover of:	Multiply by:
2. <u>Aesculus glabra</u>	<u>5</u>	<u>X</u>	<u>FAC</u>	OBL species <u> </u>	x 1 = <u> </u>
3. <u> </u>				FACW species <u> </u>	x 2 = <u> </u>
4. <u> </u>				FAC species <u> </u>	x 3 = <u> </u>
5. <u> </u>				FACU species <u> </u>	x 4 = <u> </u>
				UPL species <u> </u>	x 5 = <u> </u>
	<u>15</u>			Column Totals:	(A) <u> </u> (B) <u> </u>
				Prevalence Index = B/A =	
Herb Stratum (Plot size): 5-ft radius				Hydrophytic Vegetation Indicators:	
1. <u>Parthenocissus quinquefolia</u>	<u>10</u>	<u>X</u>	<u>FACU</u>	Rapid Test for Hydrophytic Vegetation	
2. <u>Fraxinus pennsylvanica</u>	<u>10</u>	<u>X</u>	<u>FACW</u>	Dominance Test > 50%	
3. <u>Asarum canadense</u>	<u>5</u>	<u>X</u>	<u>FACU</u>	Prevalence Index is ≤ 3.0 ¹	
4. <u>Sanicula odorata</u>	<u>5</u>	<u>X</u>	<u>FAC</u>	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)	
5. <u>Carya laciniata</u>	<u>5</u>	<u>X</u>	<u>FACW</u>	Problematic Hydrophytic Vegetation ¹ (Explain)	
6. <u>Rosa multiflora</u>	<u>5</u>	<u>X</u>	<u>FACU</u>		
7. <u>Hydrophyllum macrophyllum</u>	<u>5</u>	<u>X</u>	<u>UPL</u>		
8. <u> </u>					
9. <u> </u>					
10. <u> </u>					
	<u>45</u>			<u> </u> = Total Cover	
Woody Vine Stratum (Plot size): 30-ft radius				Hydrophytic Vegetation Present?	
9. <u> </u>				Yes	No <u>X</u>
10. <u> </u>					
				<u> </u> = Total Cover	

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: T3P15

Profile Description: Describe to the depth needed to document the indicator or confirm the absence of indicators.)									
Depth (inches)	Matrix		Redox Features				Texture	Remarks	
	Color (moist)	%	Color	%	Type ¹	Loc ²			
0-11	10YR 3/1	100					Silty Clay Loam		
11-24	10YR 5/2	95	10YR 5/6	5	C	M	Silty Clay Loam		
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix									
Hydric Soil Indicators:				Indicators for Problematic Hydric Soils³:					
_____	Histosol (A1)		_____	Sandy Gleyed matrix (S4)	_____ Coast Prairie Redox (A16)				
_____	Histic Epipedon (A2)		_____	Sandy Redox (S5)	_____ Dark Surface (S7)				
_____	Black Histic (A3)		_____	Stripped Matrix (S6)	_____ Iron-Manganese Masses (F12)				
_____	Hydrogen Sulfide (A4)		_____	Loamy Mucky Mineral (F1)	_____ Very Shallow Dark Surface (TF12)				
_____	Stratified Layers (A5)		_____	Loamy Gleyed Matrix (F2)	_____ Other (Explain in Remarks)				
_____	2 cm Muck (A10)		_____	Depleted matrix (F3)					
X _____	Depleted Below Dark Surface (A11)		_____	Redox Dark Surface (F6)	³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.				
_____	Thick Dark Surface (A12)		_____	Depleted Dark Surface (F7)					
_____	Sandy Mucky Mineral (S1)		_____	Redox Depressions (F8)					
_____	5 cm Mucky Peat or Peat (S3)								
Restrictive Layer (if observed):									
Type:	_____								
Depth (in.)	_____				Hydric Soil Present?	Yes	X	No	_____
Remarks: 									

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)			
Primary Indicators (minimum of one is required; checked all that apply)				Secondary Indicators (minimum of two required)			
☐ Surface water (A1)	☐ High Water Table (A2)	☐ Saturation (A3)	☐ Water marks (B1)	☐ Sediment Deposits (B2)	☐ Drift Deposits (B3)	☐ Algal Mat or Crust (B4)	☐ Iron Deposits (B5)
☐ Inundation Visible on Aerial Imagery (B7)	☐ Sparsely Vegetated Concave Surface (B8)	☐ Water-Stained Leaves (B9)	☐ Aquatic Fauna (B13)	☐ True Aquatic Plants (B14)	☐ Hydrogen Sulfide Odor (C1)	☐ Oxidized Rhizospheres on Living roots (C3)	☐ Presence of Reduced Iron (C4)
☐ Recent Iron Reduction in Tilled Soils (C6)	☐ Thin Muck Surface (C7)	☐ Gauge or Well Data (D9)	☐ Other (Explain in Remarks)	☐ Surface Soil Cracks (B6)	☐ Drainage patterns (B10)	☐ Dry-Season Water table (C2)	☐ Crayfish Burrows (C8)
☐ Saturation Visible on Aerial Imagery (C9)	☐ Stunted or Stressed Plants (D1)	☐ Geomorphic Position (D2)	☐ FAC-Neutral Test (D5)				
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): Water Table Present? Yes ☐ No ☒ Depths (inches): Saturation Present? Yes ☐ No ☒ Depths (inches): (includes capillary fringe)				Wetland Hydrology Present? Yes ☐ No ☒			
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:							
Remarks:							

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/6/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T4P1
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Plain Local relief (concave, convex, none): None
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Pewamo silty clay NWI classification: None
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	<u>X</u>	No	<u> </u>	Is the Sampled Area Within a Wetland? Yes <u> </u> No <u>X</u>
Hydric Soil Present?	Yes	<u> </u>	No	<u>X</u>	
Wetland Hydrology Present?	Yes	<u> </u>	No	<u>X</u>	
Remarks: Upland forest					

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>5</u> (B) Percent of Dominant Species That are OBL, FACW, or FAC: <u>60</u> (A/B)
1. <u>Acer saccharum</u>	<u>80</u>	<u>X</u>	<u>FACU</u>	
2. <u>Ulmus americana</u>	<u>20</u>	<u>X</u>	<u>FACW</u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>100</u> = Total Cover				Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: OBL species <u> </u> x 1 = <u> </u> FACW species <u> </u> x 2 = <u> </u> FAC species <u> </u> x 3 = <u> </u> FACU species <u> </u> x 4 = <u> </u> UPL species <u> </u> x 5 = <u> </u> Column Totals: <u> </u> (A) <u> </u> (B) Prevalence Index = B/A = <u> </u>
Sapling/Shrub Stratum (Plot size): 15-ft radius 1. <u>Aesculus glabra</u> <u>40</u> <u>X</u> <u>FAC</u> 2. <u> </u> <u> </u> <u> </u> <u> </u> 3. <u> </u> <u> </u> <u> </u> <u> </u> 4. <u> </u> <u> </u> <u> </u> <u> </u> 5. <u> </u> <u> </u> <u> </u> <u> </u> <u>40</u> = Total Cover				
Herb Stratum (Plot size): 5-ft radius 1. <u>Circaea canadensis</u> <u>45</u> <u>X</u> <u>FACU</u> 2. <u>Sanicula odorata</u> <u>40</u> <u>X</u> <u>FAC</u> 3. <u>Asarum canadense</u> <u>10</u> <u> </u> <u>FACU</u> 4. <u>Parthenocissus quinquefolia</u> <u>5</u> <u> </u> <u>FACU</u> 5. <u> </u> <u> </u> <u> </u> <u> </u> 6. <u> </u> <u> </u> <u> </u> <u> </u> 7. <u> </u> <u> </u> <u> </u> <u> </u> 8. <u> </u> <u> </u> <u> </u> <u> </u> 9. <u> </u> <u> </u> <u> </u> <u> </u> 10. <u> </u> <u> </u> <u> </u> <u> </u> <u>100</u> = Total Cover				
Woody Vine Stratum (Plot size): 30-ft radius 9. <u> </u> <u> </u> <u> </u> <u> </u> 10. <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> = Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				

SOIL

Sampling Point: T4P1

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)			
Primary Indicators (minimum of one is required; checked all that apply)				Secondary Indicators (minimum of two required)			
☐ Surface water (A1)		☐ Water-Stained Leaves (B9)		☐ Surface Soil Cracks (B6)			
☐ High Water Table (A2)		☐ Aquatic Fauna (B13)		☐ Drainage patterns (B10)			
☐ Saturation (A3)		☐ True Aquatic Plants (B14)		☐ Dry-Season Water table (C2)			
☐ Water marks (B1)		☐ Hydrogen Sulfide Odor (C1)		☐ Crayfish Burrows (C8)			
☐ Sediment Deposits (B2)		☐ Oxidized Rhizospheres on Living roots (C3)		☐ Saturation Visible on Aerial Imagery (C9)			
☐ Drift Deposits (B3)		☐ Presence of Reduced Iron (C4)		☐ Stunted or Stressed Plants (D1)			
☐ Algal Mat or Crust (B4)		☐ Recent Iron Reduction in Tilled Soils (C6)		☐ Geomorphic Position (D2)			
☐ Iron Deposits (B5)		☐ Thin Muck Surface (C7)		☐ FAC-Neutral Test (D5)			
☐ Inundation Visible on Aerial Imagery (B7)		☐ Gauge or Well Data (D9)					
☐ Sparsely Vegetated Concave Surface (B8)		☐ Other (Explain in Remarks)					
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): Water Table Present? Yes ☐ No ☒ Depths (inches): Saturation Present? Yes ☐ No ☒ Depths (inches): (includes capillary fringe)				Wetland Hydrology Present? Yes ☐ No ☒			
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:							
Remarks:							

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/6/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T4P2
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Pewamo silty clay NWI classification: PFO1A
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	<u>X</u>	No	<u> </u>	Is the Sampled Area Within a Wetland? Yes <u>X</u> No <u> </u>
Hydric Soil Present?	Yes	<u>X</u>	No	<u> </u>	
Wetland Hydrology Present?	Yes	<u>X</u>	No	<u> </u>	
Remarks: Section I – Forested wetland					

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>5</u> (B) Percent of Dominant Species That are OBL, FACW, or FAC: <u>60</u> (A/B)
1. <u>Quercus palustris</u>	<u>50</u>	<u>X</u>	<u>FACW</u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>				
<u>50</u> = Total Cover				
Sapling/Shrub Stratum (Plot size): 15-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: OBL species <u> </u> x 1 = <u> </u> FACW species <u> </u> x 2 = <u> </u> FAC species <u> </u> x 3 = <u> </u> FACU species <u> </u> x 4 = <u> </u> UPL species <u> </u> x 5 = <u> </u> Column Totals: <u> </u> (A) <u> </u> (B) Prevalence Index = B/A = <u> </u>
1. <u>Fraxinus americana</u>	<u>30</u>	<u>X</u>	<u>FACU</u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>				
<u>30</u> = Total Cover				
Herb Stratum (Plot size): 5-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation Dominance Test > 50% <u>X</u> Prevalence Index is ≤ 3.0 ¹ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Carex lacustris</u>	<u>50</u>	<u>X</u>	<u>OBL</u>	
2. <u>Glyceria striata</u>	<u>20</u>	<u>X</u>	<u>OBL</u>	
3. <u>Galium circaezans</u>	<u>20</u>	<u>X</u>	<u>FACU</u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
6. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>				
<u>90</u> = Total Cover				
Woody Vine Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u> </u> = Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				

SOIL

Sampling Point: T4P2

Profile Description: Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color	%	Type ¹	Loc ²		
0-10	10YR 4/1	95	10YR 4/6	5	C	M	Silty Clay Loam	
10-24	10YR 3/1	95	10YR 4/6	5	C	M	Silty Clay Loam	

¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:

_____ Histosol (A1)	_____ Sandy Gleyed matrix (S4)
_____ Histic Epipedon (A2)	_____ Sandy Redox (S5)
_____ Black Histic (A3)	_____ Stripped Matrix (S6)
_____ Hydrogen Sulfide (A4)	_____ Loamy Mucky Mineral (F1)
_____ Stratified Layers (A5)	_____ Loamy Gleyed Matrix (F2)
_____ 2 cm Muck (A10)	_____ X _____ Depleted matrix (F3)
_____ Depleted Below Dark Surface (A11)	_____ Redox Dark Surface (F6)
_____ Thick Dark Surface (A12)	_____ Depleted Dark Surface (F7)
_____ Sandy Mucky Mineral (S1)	_____ Redox Depressions (F8)
_____ 5 cm Mucky Peat or Peat (S3)	

Indicators for Problematic Hydric Soils³:

_____ Coast Prairie Redox (A16)
_____ Dark Surface (S7)
_____ Iron-Manganese Masses (F12)
_____ Very Shallow Dark Surface (TF12)
_____ Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed): Type: _____ Depth (in.): _____	Hydric Soil Present? Yes <u> X </u> No _____
Remarks:	

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required; checked all that apply)					
☐ Surface water (A1)	☐ High Water Table (A2)	☐ Saturation (A3)	☐ Water marks (B1)	☐ Sediment Deposits (B2)	☐ Drift Deposits (B3)
☐ Algal Mat or Crust (B4)	☐ Iron Deposits (B5)	☐ Inundation Visible on Aerial Imagery (B7)	☐ Sparsely Vegetated Concave Surface (B8)	☐ Water-Stained Leaves (B9)	☐ Aquatic Fauna (B13)
☐ True Aquatic Plants (B14)	☐ Hydrogen Sulfide Odor (C1)	☐ Oxidized Rhizospheres on Living roots (C3)	☐ Presence of Reduced Iron (C4)	☐ Recent Iron Reduction in Tilled Soils (C6)	☐ Thin Muck Surface (C7)
☐ Gauge or Well Data (D9)	☐ Other (Explain in Remarks)	☐ Surface Soil Cracks (B6)	☐ Drainage patterns (B10)	☐ Dry-Season Water table (C2)	☐ Crayfish Burrows (C8)
☐ Saturation Visible on Aerial Imagery (C9)	☐ Stunted or Stressed Plants (D1)	☒ Geomorphic Position (D2)	☒ FAC-Neutral Test (D5)		
Field Observations:					
Surface Water Present?	Yes ☐ No ☒	Depths (inches):	24		
Water Table Present?	Yes ☐ No ☒	Depths (inches):	24		
Saturation Present?	Yes ☐ No ☒	Depths (inches):	24		
(includes capillary fringe)				Wetland Hydrology Present? Yes ☒ No ☐	
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/6/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T4P3
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Pewamo silty clay NWI classification: PFO1A
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	<u>X</u>	No	<u> </u>	Is the Sampled Area Within a Wetland? Yes <u>X</u> No <u> </u>
Hydric Soil Present?	Yes	<u>X</u>	No	<u> </u>	
Wetland Hydrology Present?	Yes	<u>X</u>	No	<u> </u>	
Remarks: Section I – Forested wetland					

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW or FAC: <u>5</u> (A) Total Number of Dominant Species Across All Strata: <u>5</u> (B) Percent of Dominant Species That are OBL, FACW, or FAC: <u>100</u> (A/B)
1. <u>Ulmus americana</u>	<u>50</u>	<u>X</u>	<u>FACW</u>	
2. <u>Carya laciniosa</u>	<u>30</u>	<u>X</u>	<u>FACW</u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>80</u> = Total Cover				
Sapling/Shrub Stratum (Plot size): 15-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: OBL species <u> </u> x 1 = <u> </u> FACW species <u> </u> x 2 = <u> </u> FAC species <u> </u> x 3 = <u> </u> FACU species <u> </u> x 4 = <u> </u> UPL species <u> </u> x 5 = <u> </u> Column Totals: <u> </u> (A) <u> </u> (B) Prevalence Index = B/A = <u> </u>
1. <u>Fraxinus pennsylvanica</u>	<u>50</u>	<u>X</u>	<u>FACW</u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>50</u> = Total Cover				
Herb Stratum (Plot size): 5-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation <u>X</u> Dominance Test > 50% <u> </u> Prevalence Index is ≤ 3.0 ¹ <u> </u> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) <u> </u> ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Carex lacustris</u>	<u>50</u>	<u>X</u>	<u>OBL</u>	
2. <u>Toxicodendron radicans</u>	<u>30</u>	<u>X</u>	<u>FAC</u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
6. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>80</u> = Total Cover				
Woody Vine Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u> </u> = Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				

SOIL

Sampling Point: T4P3

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required; checked all that apply)					
☐ Surface water (A1)	☐ High Water Table (A2)	☐ Saturation (A3)	☐ Water marks (B1)	☐ Sediment Deposits (B2)	☐ Drift Deposits (B3)
☐ Algal Mat or Crust (B4)	☐ Iron Deposits (B5)	☐ Inundation Visible on Aerial Imagery (B7)	☐ Sparsely Vegetated Concave Surface (B8)	☐ Water-Stained Leaves (B9)	☐ Aquatic Fauna (B13)
☐ True Aquatic Plants (B14)	☐ Hydrogen Sulfide Odor (C1)	☐ Oxidized Rhizospheres on Living roots (C3)	☐ Presence of Reduced Iron (C4)	☐ Recent Iron Reduction in Tilled Soils (C6)	☐ Thin Muck Surface (C7)
☐ Gauge or Well Data (D9)	☐ Other (Explain in Remarks)	☐ Surface Soil Cracks (B6)	☐ Drainage patterns (B10)	☐ Dry-Season Water table (C2)	☐ Crayfish Burrows (C8)
☐ Saturation Visible on Aerial Imagery (C9)	☐ Stunted or Stressed Plants (D1)	☒ Geomorphic Position (D2)	☒ FAC-Neutral Test (D5)		
Field Observations:					
Surface Water Present?	Yes ☐ No ☒	Depths (inches):	24		
Water Table Present?	Yes ☐ No ☒	Depths (inches):	24		
Saturation Present?	Yes ☐ No ☒	Depths (inches):	24		
(includes capillary fringe)				Wetland Hydrology Present? Yes ☒ No ☐	
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/6/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T4P4
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Plain Local relief (concave, convex, none): None
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Pewamo silty clay NWI classification: None
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	No	<u>X</u>	Is the Sampled Area Within a Wetland?	Yes	No	<u>X</u>
Hydric Soil Present?	Yes	<u>X</u>	No				
Wetland Hydrology Present?	Yes	No	<u>X</u>				
Remarks: Upland forest							

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. <u>Acer saccharum</u>	<u>50</u>	<u>X</u>	<u>FACU</u>	Number of Dominant Species That are OBL, FACW or FAC:	<u>3</u> (A)
2. <u>Carya ovata</u>	<u>30</u>	<u>X</u>	<u>FACU</u>	Total Number of Dominant Species Across All Strata:	<u>6</u> (B)
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	Percent of Dominant Species That are OBL, FACW, or FAC:	<u>50</u> (A/B)
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
<u>80</u> = Total Cover					
Sapling/Shrub Stratum (Plot size): 15-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Prevalence Index worksheet:	
1. <u>Aesculus glabra</u>	<u>30</u>	<u>X</u>	<u>FAC</u>	Total % Cover of:	Multiply by:
2. <u>Lindera benzoin</u>	<u>10</u>	<u>X</u>	<u>FACW</u>	OBL species <u> </u> x 1 = <u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	FACW species <u> </u> x 2 = <u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	FAC species <u> </u> x 3 = <u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	FACU species <u> </u> x 4 = <u> </u>	
<u>40</u> = Total Cover				UPL species <u> </u> x 5 = <u> </u>	
Herb Stratum (Plot size): 5-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Column Totals:	<u> </u> (A) <u> </u> (B)
1. <u>Sanicula odorata</u>	<u>50</u>	<u>X</u>	<u>FAC</u>	Prevalence Index = B/A =	
2. <u>Parthenocissus quinquefolia</u>	<u>30</u>	<u>X</u>	<u>FACU</u>	Hydrophytic Vegetation Indicators:	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	Rapid Test for Hydrophytic Vegetation	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	Dominance Test > 50%	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	Prevalence Index is ≤ 3.0 ¹	
6. <u> </u>	<u> </u>	<u> </u>	<u> </u>	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)	
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>	Problematic Hydrophytic Vegetation ¹ (Explain)	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	Hydrophytic Vegetation Present?	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	Yes <u> </u>	No <u>X</u>
<u>80</u> = Total Cover					
Woody Vine Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status		
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
<u> </u> = Total Cover					
Remarks: (Include photo numbers here or on a separate sheet.)					

SOIL

Sampling Point: T4P4

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators			
Primary Indicators (minimum of one is required; checked all that apply)				Secondary Indicators (minimum of two required)			
☐ Surface water (A1)	☐ High Water Table (A2)	☐ Saturation (A3)	☐ Water marks (B1)	☐ Sediment Deposits (B2)	☐ Drift Deposits (B3)	☐ Algal Mat or Crust (B4)	☐ Iron Deposits (B5)
☐ Inundation Visible on Aerial Imagery (B7)	☐ Sparsely Vegetated Concave Surface (B8)	☐ Water-Stained Leaves (B9)	☐ Aquatic Fauna (B13)	☐ True Aquatic Plants (B14)	☐ Hydrogen Sulfide Odor (C1)	☐ Oxidized Rhizospheres on Living roots (C3)	☐ Presence of Reduced Iron (C4)
☐ Recent Iron Reduction in Tilled Soils (C6)	☐ Thin Muck Surface (C7)	☐ Gauge or Well Data (D9)	☐ Other (Explain in Remarks)	☐ Surface Soil Cracks (B6)	☐ Drainage patterns (B10)	☐ Dry-Season Water table (C2)	☐ Crayfish Burrows (C8)
☐ Saturation Visible on Aerial Imagery (C9)	☐ Stunted or Stressed Plants (D1)	☐ Geomorphic Position (D2)	☐ FAC-Neutral Test (D5)				
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): Water Table Present? Yes ☐ No ☒ Depths (inches): Saturation Present? Yes ☐ No ☒ Depths (inches): (includes capillary fringe)				Wetland Hydrology Present? Yes ☐ No ☒			
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:							
Remarks:							

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/6/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T4P5
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Pewamo silty clay NWI classification: PFO1C
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	<u>X</u>	No	<u> </u>	Is the Sampled Area Within a Wetland? Yes <u>X</u> No <u> </u>
Hydric Soil Present?	Yes	<u>X</u>	No	<u> </u>	
Wetland Hydrology Present?	Yes	<u>X</u>	No	<u> </u>	
Remarks: Section I – Forested wetland					

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW or FAC: <u>5</u> (A) Total Number of Dominant Species Across All Strata: <u>6</u> (B) Percent of Dominant Species That are OBL, FACW, or FAC: <u>83</u> (A/B)
1. <u>Quercus palustris</u>	<u>70</u>	<u>X</u>	<u>FACW</u>	
2. <u>Ulmus americana</u>	<u>10</u>	<u>X</u>	<u>FACW</u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>80</u> = Total Cover				
Sapling/Shrub Stratum (Plot size): 15-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: OBL species <u> </u> x 1 = <u> </u> FACW species <u> </u> x 2 = <u> </u> FAC species <u> </u> x 3 = <u> </u> FACU species <u> </u> x 4 = <u> </u> UPL species <u> </u> x 5 = <u> </u> Column Totals: <u> </u> (A) <u> </u> (B) Prevalence Index = B/A = <u> </u>
1. <u>Fraxinus pennsylvanica</u>	<u>30</u>	<u>X</u>	<u>FACW</u>	
2. <u>Carpinus caroliniana</u>	<u>20</u>	<u>X</u>	<u>FAC</u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>50</u> = Total Cover				
Herb Stratum (Plot size): 5-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation <u>X</u> Dominance Test > 50% <u> </u> Prevalence Index is ≤ 3.0 ¹ <u> </u> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) <u> </u> ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Glyceria striata</u>	<u>5</u>	<u>X</u>	<u>OBL</u>	
2. <u>Parthenocissus quinquefolia</u>	<u>2</u>	<u>X</u>	<u>FACU</u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
6. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>7</u> = Total Cover				
Woody Vine Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u> </u> = Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				

SOIL

Sampling Point: T4P5

Profile Description: Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color	%	Type¹	Loc²		
0-10	10YR 3/1	90	10YR 4/6	10	C	M	Silty Clay Loam	
10-24	10YR 4/1	90	10YR 4/6	10	C	M	Silty Clay Loam	

¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.

² Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1) _____
- ☐ Histic Epipedon (A2) _____
- ☐ Black Histic (A3) _____
- ☐ Hydrogen Sulfide (A4) _____
- ☐ Stratified Layers (A5) _____
- ☐ 2 cm Muck (A10) X _____
- ☐ Depleted Below Dark Surface (A11) _____
- ☐ Thick Dark Surface (A12) _____
- ☐ Sandy Mucky Mineral (S1) _____
- ☐ 5 cm Mucky Peat or Peat (S3) _____

Indicators for Problematic Hydric Soils³:

- ☐ Coast Prairie Redox (A16) _____
- ☐ Dark Surface (S7) _____
- ☐ Iron-Manganese Masses (F12) _____
- ☐ Very Shallow Dark Surface (TF12) _____
- ☐ Other (Explain in Remarks) _____

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

 Type: _____
 Depth (in.): _____

Hydric Soil Present? Yes X No _____

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required; checked all that apply)				Secondary Indicators (minimum of two required)	
☐ Surface water (A1)	☐ High Water Table (A2)	☐ Saturation (A3)	☐ Water-Stained Leaves (B9)	☐ Surface Soil Cracks (B6)	☐ Drainage patterns (B10)
☐ Water marks (B1)	☐ Sediment Deposits (B2)	☐ Drift Deposits (B3)	☐ Aquatic Fauna (B13)	☐ Dry-Season Water table (C2)	☐ Crayfish Burrows (C8)
☐ Algal Mat or Crust (B4)	☐ Iron Deposits (B5)	☐ Inundation Visible on Aerial Imagery (B7)	☐ True Aquatic Plants (B14)	☐ Saturation Visible on Aerial Imagery (C9)	☐ Stunted or Stressed Plants (D1)
☒ Sparsely Vegetated Concave Surface (B8)	☐ Hydrogen Sulfide Odor (C1)	☐ Oxidized Rhizospheres on Living roots (C3)	☐ Presence of Reduced Iron (C4)	☒ Geomorphic Position (D2)	☒ FAC-Neutral Test (D5)
	☐ Recent Iron Reduction in Tilled Soils (C6)	☐ Thin Muck Surface (C7)	☐ Gauge or Well Data (D9)		
	☐ Other (Explain in Remarks)				
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): Water Table Present? Yes ☐ No ☒ Depths (inches): Saturation Present? Yes ☐ No ☒ Depths (inches): (includes capillary fringe)				Wetland Hydrology Present? Yes ☒ No ☐	
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/6/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T4P6
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Plain Local relief (concave, convex, none): None
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Pewamo silty clay NWI classification: None
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	No	<u>X</u>	Is the Sampled Area Within a Wetland?	Yes	No	<u>X</u>
Hydric Soil Present?	Yes	<u>X</u>	No				
Wetland Hydrology Present?	Yes	No	<u>X</u>				
Remarks: Upland forest							

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. <u>Quercus rubra</u>	<u>60</u>	<u>X</u>	<u>FACU</u>	Number of Dominant Species That are OBL, FACW or FAC:	<u>2</u> (A)
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	Total Number of Dominant Species Across All Strata:	<u>5</u> (B)
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	Percent of Dominant Species That are OBL, FACW, or FAC:	<u>40</u> (A/B)
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
<u>60</u> = Total Cover					
Sapling/Shrub Stratum (Plot size): 15-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Prevalence Index worksheet:	
1. <u>Carpinus caroliniana</u>	<u>30</u>	<u>X</u>	<u>FAC</u>	Total % Cover of:	Multiply by:
2. <u>Fraxinus pennsylvanica</u>	<u>10</u>	<u>X</u>	<u>FACW</u>	OBL species	<u> </u> x 1 = <u> </u>
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	FACW species	<u> </u> x 2 = <u> </u>
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	FAC species	<u> </u> x 3 = <u> </u>
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	FACU species	<u> </u> x 4 = <u> </u>
<u>40</u> = Total Cover				UPL species	<u> </u> x 5 = <u> </u>
				Column Totals:	<u> </u> (A) <u> </u> (B)
				Prevalence Index = B/A =	
Herb Stratum (Plot size): 5-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators:	
1. <u>Circaea canadensis</u>	<u>45</u>	<u>X</u>	<u>FACU</u>	Rapid Test for Hydrophytic Vegetation	
2. <u>Solidago canadensis</u>	<u>40</u>	<u>X</u>	<u>FACU</u>	Dominance Test > 50%	
3. <u>Parthenocissus quinquefolia</u>	<u>5</u>	<u> </u>	<u>FACU</u>	Prevalence Index is ≤ 3.0 ¹	
4. <u>Rosa multiflora</u>	<u>5</u>	<u> </u>	<u>FACU</u>	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)	
5. <u>Persicaria virginiana</u>	<u>5</u>	<u> </u>	<u>FAC</u>	Problematic Hydrophytic Vegetation ¹ (Explain)	
6. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
<u>100</u> = Total Cover					
Woody Vine Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Present?	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	Yes	No <u>X</u>
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>		
<u> </u> = Total Cover					

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: T4P6

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required; checked all that apply)				Secondary Indicators (minimum of two required)	
☐ Surface water (A1)	☐ High Water Table (A2)	☐ Saturation (A3)	☐ Water marks (B1)	☐ Sediment Deposits (B2)	☐ Drift Deposits (B3)
☐ Algal Mat or Crust (B4)	☐ Iron Deposits (B5)	☐ Inundation Visible on Aerial Imagery (B7)	☐ Sparsely Vegetated Concave Surface (B8)	☐ Water-Stained Leaves (B9)	☐ Aquatic Fauna (B13)
☐ True Aquatic Plants (B14)	☐ Hydrogen Sulfide Odor (C1)	☐ Oxidized Rhizospheres on Living roots (C3)	☐ Presence of Reduced Iron (C4)	☐ Recent Iron Reduction in Tilled Soils (C6)	☐ Thin Muck Surface (C7)
☐ Gauge or Well Data (D9)	☐ Other (Explain in Remarks)	☐ Surface Soil Cracks (B6)	☐ Drainage patterns (B10)	☐ Dry-Season Water table (C2)	☐ Crayfish Burrows (C8)
☐ Saturation Visible on Aerial Imagery (C9)	☐ Stunted or Stressed Plants (D1)	☐ Geomorphic Position (D2)	☐ FAC-Neutral Test (D5)		
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): Water Table Present? Yes ☐ No ☒ Depths (inches): Saturation Present? Yes ☐ No ☒ Depths (inches): (includes capillary fringe)				Wetland Hydrology Present? Yes ☐ No ☒	
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/6/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T4P7
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Plain Local relief (concave, convex, none): None
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Blount-Glynwood Complex NWI classification: PFO1A
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	<u>X</u>	No	<u> </u>	Is the Sampled Area Within a Wetland? Yes <u>X</u> No <u> </u>
Hydric Soil Present?	Yes	<u>X</u>	No	<u> </u>	
Wetland Hydrology Present?	Yes	<u>X</u>	No	<u> </u>	
Remarks: Section VIII – Forested wetland					

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW or FAC: <u>5</u> (A) Total Number of Dominant Species Across All Strata: <u>6</u> (B) Percent of Dominant Species That are OBL, FACW, or FAC: <u>83</u> (A/B)
1. <u>Acer rubrum</u>	<u>60</u>	<u>X</u>	<u>FAC</u>	
2. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>60</u> = Total Cover				Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: OBL species <u> </u> x 1 = <u> </u> FACW species <u> </u> x 2 = <u> </u> FAC species <u> </u> x 3 = <u> </u> FACU species <u> </u> x 4 = <u> </u> UPL species <u> </u> x 5 = <u> </u> Column Totals: <u> </u> (A) <u> </u> (B) Prevalence Index = B/A = <u> </u>
Sapling/Shrub Stratum (Plot size): 15-ft radius				
1. <u>Lindera benzoin</u>	<u>40</u>	<u>X</u>	<u>FACW</u>	
2. <u>Carpinus caroliniana</u>	<u>20</u>	<u>X</u>	<u>FAC</u>	
3. <u>Fraxinus pennsylvanica</u>	<u>10</u>	<u> </u>	<u>FACW</u>	
<u>70</u> = Total Cover				
Herb Stratum (Plot size): 5-ft radius				Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation Dominance Test > 50% <u>X</u> Prevalence Index is ≤ 3.0 ¹ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Lindera benzoin</u>	<u>5</u>	<u>X</u>	<u>FACW</u>	
2. <u>Fraxinus pennsylvanica</u>	<u>5</u>	<u>X</u>	<u>FACW</u>	
3. <u>Parthenocissus quinquefolia</u>	<u>5</u>	<u>X</u>	<u>FACU</u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
6. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>15</u> = Total Cover				
Woody Vine Stratum (Plot size): 30-ft radius				Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u> </u> = Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				

SOIL

Sampling Point: T4P7

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required; checked all that apply)				Secondary Indicators (minimum of two required)	
☐ Surface water (A1)	☐ High Water Table (A2)	☐ Saturation (A3)	☐ Water-Stained Leaves (B9)	☐ Surface Soil Cracks (B6)	☐ Drainage patterns (B10)
☐ Water marks (B1)	☐ Sediment Deposits (B2)	☐ Drift Deposits (B3)	☐ Aquatic Fauna (B13)	☐ Dry-Season Water table (C2)	☐ Crayfish Burrows (C8)
☐ Algal Mat or Crust (B4)	☐ Iron Deposits (B5)	☐ Inundation Visible on Aerial Imagery (B7)	☐ True Aquatic Plants (B14)	☐ Saturation Visible on Aerial Imagery (C9)	☐ Stunted or Stressed Plants (D1)
☐ Sparsely Vegetated Concave Surface (B8)	☐ Hydrogen Sulfide Odor (C1)	☐ Oxidized Rhizospheres on Living roots (C3)	☐ Presence of Reduced Iron (C4)	☒ Geomorphic Position (D2)	☒ FAC-Neutral Test (D5)
	☐ Recent Iron Reduction in Tilled Soils (C6)	☐ Thin Muck Surface (C7)	☐ Gauge or Well Data (D9)		
	☐ Other (Explain in Remarks)				
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): Water Table Present? Yes ☐ No ☒ Depths (inches): Saturation Present? Yes ☐ No ☒ Depths (inches): (includes capillary fringe)				Wetland Hydrology Present? Yes ☒ No ☐	
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/11/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T4P8
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Plain Local relief (concave, convex, none): None
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Pewamo silty clay NWI classification: None
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	No	<u>X</u>	Is the Sampled Area Within a Wetland?	Yes	No	<u>X</u>
Hydric Soil Present?	Yes	<u>X</u>	No				
Wetland Hydrology Present?	Yes	No	<u>X</u>				
Remarks: Upland forest							

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. <u>Acer saccharum</u>	80	<u>X</u>	FACU	Number of Dominant Species That are OBL, FACW or FAC:	<u>3</u> (A)
2. <u>Aesculus glabra</u>	10		FAC	Total Number of Dominant Species Across All Strata:	<u>6</u> (B)
3. <u> </u>				Percent of Dominant Species That are OBL, FACW, or FAC:	<u>50</u> (A/B)
4. <u> </u>					
5. <u> </u>					
<u>90</u> = Total Cover					
Sapling/Shrub Stratum (Plot size): 15-ft radius				Prevalence Index worksheet:	
1. <u>Cornus drummondii</u>	5	<u>X</u>	FAC	Total % Cover of:	Multiply by:
2. <u>Carya laciniosa</u>	5	<u>X</u>	FACW	OBL species	<u> </u> x 1 = <u> </u>
3. <u>Ulmus americana</u>	5	<u>X</u>	FACW	FACW species	<u> </u> x 2 = <u> </u>
4. <u> </u>				FAC species	<u> </u> x 3 = <u> </u>
5. <u> </u>				FACU species	<u> </u> x 4 = <u> </u>
<u>15</u> = Total Cover				UPL species	<u> </u> x 5 = <u> </u>
				Column Totals:	<u> </u> (A) <u> </u> (B)
Herb Stratum (Plot size): 5-ft radius				Hydrophytic Vegetation Indicators:	
1. <u>Parthenocissus quinquefolia</u>	30	<u>X</u>	FACU	Rapid Test for Hydrophytic Vegetation	
2. <u>Circaea canadensis</u>	30	<u>X</u>	FACU	Dominance Test > 50%	
3. <u>Lindera benzoin</u>	20		FACW	Prevalence Index is ≤ 3.0 ¹	
4. <u>Sanicula odorata</u>	10		FAC	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)	
5. <u>Fraxinus pennsylvanica</u>	10		FACW	Problematic Hydrophytic Vegetation ¹ (Explain)	
6. <u>Asarum canadense</u>	10		FACU		
7. <u> </u>					
8. <u> </u>					
9. <u> </u>					
10. <u> </u>					
<u>110</u> = Total Cover					
Woody Vine Stratum (Plot size): 30-ft radius				Hydrophytic Vegetation Present?	
9. <u> </u>				Yes	No <u>X</u>
10. <u> </u>					
<u> </u> = Total Cover					
Remarks: (Include photo numbers here or on a separate sheet.)					

SOIL

Sampling Point: T4P8

Profile Description: Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color	%	Type ¹	Loc ²		
0-9	10YR 3/1	100					Silty Clay Loam	
9-14	10YR 4/2	95	10YR 4/6	5	C	M	Silty Clay Loam	
14-24	10YR 4/2	90	10YR 4/6	10	C	M	Silty Clay Loam	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:		Indicators for Problematic Hydric Soils ³ :	
☐ Histosol (A1)	☐ Sandy Gleyed matrix (S4)	☐ Coast Prairie Redox (A16)	
☐ Histic Epipedon (A2)	☐ Sandy Redox (S5)	☐ Dark Surface (S7)	
☐ Black Histic (A3)	☐ Stripped Matrix (S6)	☐ Iron-Manganese Masses (F12)	
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1)	☐ Very Shallow Dark Surface (TF12)	
☐ Stratified Layers (A5)	☐ Loamy Gleyed Matrix (F2)	☐ Other (Explain in Remarks)	
☐ 2 cm Muck (A10)	☒ Depleted matrix (F3)		
☒ Depleted Below Dark Surface (A11)	☐ Redox Dark Surface (F6)		
☐ Thick Dark Surface (A12)	☐ Depleted Dark Surface (F7)		
☐ Sandy Mucky Mineral (S1)	☐ Redox Depressions (F8)		
☐ 5 cm Mucky Peat or Peat (S3)			

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed): Type: _____ Depth (in.) _____	Hydric Soil Present? Yes ☒ No ☐
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Remarks:

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; checked all that apply)		Secondary Indicators (minimum of two required)	
☐ Surface water (A1)	☐ Water-Stained Leaves (B9)	☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Fauna (B13)	☐ Drainage patterns (B10)	
☐ Saturation (A3)	☐ True Aquatic Plants (B14)	☐ Dry-Season Water table (C2)	
☐ Water marks (B1)	☐ Hydrogen Sulfide Odor (C1)	☐ Crayfish Burrows (C8)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living roots (C3)	☐ Saturation Visible on Aerial Imagery (C9)	
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)	☐ Stunted or Stressed Plants (D1)	
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)	☐ Geomorphic Position (D2)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☐ FAC-Neutral Test (D5)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Gauge or Well Data (D9)		
☐ Sparsely Vegetated Concave Surface (B8)	☐ Other (Explain in Remarks)		

Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): _____ Water Table Present? Yes ☐ No ☒ Depths (inches): <u>>24</u> Saturation Present? Yes ☐ No ☒ Depths (inches): <u>>24</u> (includes capillary fringe)	Wetland Hydrology Present? Yes ☐ No ☒
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Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/11/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T4P9
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Pewamo silty clay NWI classification: PFO1C
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	<u>X</u>	No	<u> </u>	Is the Sampled Area Within a Wetland? Yes <u>X</u> No <u> </u>
Hydric Soil Present?	Yes	<u>X</u>	No	<u> </u>	
Wetland Hydrology Present?	Yes	<u>X</u>	No	<u> </u>	
Remarks: Section VIII – Forested wetland					

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW or FAC: <u>7</u> (A) Total Number of Dominant Species Across All Strata: <u>7</u> (B) Percent of Dominant Species That are OBL, FACW, or FAC: <u>100</u> (A/B)
1. <u>Carya laciniosa</u>	<u>60</u>	<u>X</u>	<u>FACW</u>	
2. <u>Quercus bicolor</u>	<u>20</u>	<u>X</u>	<u>FACW</u>	
3. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>80</u> = Total Cover				
Sapling/Shrub Stratum (Plot size): 15-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: OBL species <u> </u> x 1 = <u> </u> FACW species <u> </u> x 2 = <u> </u> FAC species <u> </u> x 3 = <u> </u> FACU species <u> </u> x 4 = <u> </u> UPL species <u> </u> x 5 = <u> </u> Column Totals: <u> </u> (A) <u> </u> (B) Prevalence Index = B/A = <u> </u>
1. <u>Ulmus americana</u>	<u>15</u>	<u>X</u>	<u>FACW</u>	
2. <u>Carpinus caroliniana</u>	<u>10</u>	<u>X</u>	<u>FAC</u>	
3. <u>Fraxinus pennsylvanica</u>	<u>5</u>	<u> </u>	<u>FACW</u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>30</u> = Total Cover				
Herb Stratum (Plot size): 5-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation Dominance Test > 50% <u>X</u> Prevalence Index is ≤ 3.0 ¹ <u> </u> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Fraxinus pennsylvanica</u>	<u>5</u>	<u>X</u>	<u>FACW</u>	
2. <u>Persicaria virginiana</u>	<u>3</u>	<u>X</u>	<u>FAC</u>	
3. <u>Impatiens capensis</u>	<u>2</u>	<u>X</u>	<u>FACW</u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
5. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
6. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
7. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
8. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u>10</u> = Total Cover				
Woody Vine Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>
9. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
10. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u> </u> = Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				

SOIL

Sampling Point: T4P9

Profile Description: Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color	%	Type ¹	Loc ²		
0-9	10YR 3/2	95	10YR 4/6	5	C	M	Silty Clay Loam	
9-14	10YR 3/1	80	10YR 4/6	20	C	M	Silty Clay Loam	
14-24	10YR 4/1	80	10YR 4/6	20	C	M	Silty Clay	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:		Indicators for Problematic Hydric Soils ³ :	
☐ Histosol (A1)	☐ Sandy Gleyed matrix (S4)	☐ Coast Prairie Redox (A16)	
☐ Histic Epipedon (A2)	☐ Sandy Redox (S5)	☐ Dark Surface (S7)	
☐ Black Histic (A3)	☐ Stripped Matrix (S6)	☐ Iron-Manganese Masses (F12)	
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1)	☐ Very Shallow Dark Surface (TF12)	
☐ Stratified Layers (A5)	☐ Loamy Gleyed Matrix (F2)	☐ Other (Explain in Remarks)	
☐ 2 cm Muck (A10)	☐ Depleted matrix (F3)		
☐ Depleted Below Dark Surface (A11)	☒ Redox Dark Surface (F6)		
☐ Thick Dark Surface (A12)	☐ Depleted Dark Surface (F7)		
☐ Sandy Mucky Mineral (S1)	☐ Redox Depressions (F8)		
☐ 5 cm Mucky Peat or Peat (S3)			

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed): Type: _____ Depth (in.) _____	Hydric Soil Present? Yes ☒ No _____
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Remarks:

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; checked all that apply)		Secondary Indicators (minimum of two required)	
☐ Surface water (A1)	☐ Water-Stained Leaves (B9)	☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Fauna (B13)	☐ Drainage patterns (B10)	
☐ Saturation (A3)	☐ True Aquatic Plants (B14)	☐ Dry-Season Water table (C2)	
☐ Water marks (B1)	☐ Hydrogen Sulfide Odor (C1)	☐ Crayfish Burrows (C8)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living roots (C3)	☐ Saturation Visible on Aerial Imagery (C9)	
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)	☐ Stunted or Stressed Plants (D1)	
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)	☒ Geomorphic Position (D2)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☒ FAC-Neutral Test (D5)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Gauge or Well Data (D9)		
☒ Sparsely Vegetated Concave Surface (B8)	☐ Other (Explain in Remarks)		

Field Observations: Surface Water Present? Yes _____ No ☒ Depths (inches): _____ Water Table Present? Yes _____ No ☒ Depths (inches): <u>>24</u> Saturation Present? Yes _____ No ☒ Depths (inches): <u>>24</u> (includes capillary fringe)	Wetland Hydrology Present? Yes ☒ No _____
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Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/6/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T4P10
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Plain Local relief (concave, convex, none): None
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Pewamo silty clay NWI classification: None
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	No	<u>X</u>	Is the Sampled Area Within a Wetland?	Yes	No	<u>X</u>
Hydric Soil Present?	Yes	<u>X</u>	No				
Wetland Hydrology Present?	Yes	No	<u>X</u>				
Remarks: Upland forest							

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. <u>Carya laciniosa</u>	60	<u>X</u>	FACW	Number of Dominant Species That are OBL, FACW or FAC:	<u>3</u> (A)
2. <u>Quercus rubra</u>	20	<u>X</u>	FACU	Total Number of Dominant Species Across All Strata:	<u>6</u> (B)
3. <u> </u>				Percent of Dominant Species That are OBL, FACW, or FAC:	<u>50</u> (A/B)
4. <u> </u>					
5. <u> </u>					
<u>80</u> = Total Cover					
Sapling/Shrub Stratum (Plot size): 15-ft radius				Prevalence Index worksheet:	
1. <u>Fraxinus pennsylvanica</u>	20	<u>X</u>	FACW	Total % Cover of:	Multiply by:
2. <u>Acer saccharum</u>	10	<u>X</u>	FACU	OBL species	<u> </u> x 1 = <u> </u>
3. <u>Aesculus glabra</u>	5		FAC	FACW species	<u> </u> x 2 = <u> </u>
4. <u>Ulmus americana</u>	5		FACW	FAC species	<u> </u> x 3 = <u> </u>
5. <u> </u>				FACU species	<u> </u> x 4 = <u> </u>
				UPL species	<u> </u> x 5 = <u> </u>
<u>40</u> = Total Cover				Column Totals:	<u> </u> (A) <u> </u> (B)
Herb Stratum (Plot size): 5-ft radius				Hydrophytic Vegetation Indicators:	
1. <u>Persicaria virginiana</u>	60	<u>X</u>	FAC	Rapid Test for Hydrophytic Vegetation	
2. <u>Carex vulpinoidea</u>	15		FACW	Dominance Test > 50%	
3. <u>Glechoma hederacea</u>	15		FACU	Prevalence Index is ≤ 3.0 ¹	
4. <u>Parthenocissus quinquefolia</u>	15		FACU	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)	
5. <u>Circaea canadensis</u>	10		FACU	Problematic Hydrophytic Vegetation ¹ (Explain)	
6. <u> </u>					
7. <u> </u>					
8. <u> </u>					
9. <u> </u>					
10. <u> </u>					
<u>115</u> = Total Cover					
Woody Vine Stratum (Plot size): 30-ft radius				Hydrophytic Vegetation Present?	
9. <u>Parthenocissus quinquefolia</u>	10	<u>X</u>	FACU	Yes	No <u>X</u>
10. <u> </u>					
<u>10</u> = Total Cover					

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: T4P10

Profile Description: Describe to the depth needed to document the indicator or confirm the absence of indicators.)							
Depth (inches)	Matrix		Redox Features			Texture	Remarks
	Color (moist)	%	Color	%	Type¹	Loc²	
0-14	10YR 4/1	98	10YR 4/6	2	C	M	Silty Clay Loam
14-24	10YR 4/1	85	10YR 4/6	15	C	M	Silty Clay Loam

¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:

Histosol (A1)

Histic Epipedon (A2)

Black Histic (A3)

Hydrogen Sulfide (A4)

Stratified Layers (A5)

2 cm Muck (A10) X

Depleted Below Dark Surface (A11)

Thick Dark Surface (A12)

Sandy Mucky Mineral (S1)

5 cm Mucky Peat or Peat (S3)

Indicators for Problematic Hydric Soils³:

Coast Prairie Redox (A16)

Dark Surface (S7)

Iron-Manganese Masses (F12)

Very Shallow Dark Surface (TF12)

Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):		Hydric Soil Present?		Yes X No
Type:				
Depth (in.):				
Remarks: 				

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required; checked all that apply)					
☐ Surface water (A1)		☐ Water-Stained Leaves (B9)		☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)		☐ Aquatic Fauna (B13)		☐ Drainage patterns (B10)	
☐ Saturation (A3)		☐ True Aquatic Plants (B14)		☐ Dry-Season Water table (C2)	
☐ Water marks (B1)		☐ Hydrogen Sulfide Odor (C1)		☐ Crayfish Burrows (C8)	
☐ Sediment Deposits (B2)		☐ Oxidized Rhizospheres on Living roots (C3)		☐ Saturation Visible on Aerial Imagery (C9)	
☐ Drift Deposits (B3)		☐ Presence of Reduced Iron (C4)		☐ Stunted or Stressed Plants (D1)	
☐ Algal Mat or Crust (B4)		☐ Recent Iron Reduction in Tilled Soils (C6)		☐ Geomorphic Position (D2)	
☐ Iron Deposits (B5)		☐ Thin Muck Surface (C7)		☐ FAC-Neutral Test (D5)	
☐ Inundation Visible on Aerial Imagery (B7)		☐ Gauge or Well Data (D9)			
☐ Sparsely Vegetated Concave Surface (B8)		☐ Other (Explain in Remarks)			
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): Water Table Present? Yes ☐ No ☒ Depths (inches): Saturation Present? Yes ☐ No ☒ Depths (inches): (includes capillary fringe)				Wetland Hydrology Present? Yes ☐ No ☒	
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/7/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T4P11
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Plain Local relief (concave, convex, none): None
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Pewamo silty clay NWI classification: None
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	No	<u>X</u>	Is the Sampled Area Within a Wetland?	Yes	No	<u>X</u>
Hydric Soil Present?	Yes	<u>X</u>	No				
Wetland Hydrology Present?	Yes	No	<u>X</u>				
Remarks: Upland forest							

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. <u>Acer saccharum</u>	40	<u>X</u>	FACU	Number of Dominant Species That are OBL, FACW or FAC:	<u>2</u> (A)
2. <u>Quercus rubra</u>	40	<u>X</u>	FACU	Total Number of Dominant Species Across All Strata:	<u>7</u> (B)
3. <u> </u>				Percent of Dominant Species That are OBL, FACW, or FAC:	<u>28</u> (A/B)
4. <u> </u>					
5. <u> </u>					
<u>80</u> = Total Cover					
Sapling/Shrub Stratum (Plot size): 15-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Prevalence Index worksheet:	
1. <u>Acer saccharum</u>	20	<u>X</u>	FACU	Total % Cover of:	Multiply by:
2. <u>Prunus serotina</u>	10	<u>X</u>	FACU	OBL species	<u> </u> x 1 = <u> </u>
3. <u>Lindera benzoin</u>	10	<u>X</u>	FACW	FACW species	<u> </u> x 2 = <u> </u>
4. <u>Fraxinus pennsylvanica</u>	5		FACW	FAC species	<u> </u> x 3 = <u> </u>
5. <u> </u>				FACU species	<u> </u> x 4 = <u> </u>
				UPL species	<u> </u> x 5 = <u> </u>
<u>45</u> = Total Cover				Column Totals:	<u> </u> (A) <u> </u> (B)
Herb Stratum (Plot size): 5-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators:	
1. <u>Sanicula odorata</u>	60	<u>X</u>	FAC	Rapid Test for Hydrophytic Vegetation	
2. <u>Circaea canadensis</u>	30	<u>X</u>	FACU	Dominance Test > 50%	
3. <u>Aesculus glabra</u>	5		FAC	Prevalence Index is ≤ 3.0 ¹	
4. <u> </u>				Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)	
5. <u> </u>				Problematic Hydrophytic Vegetation ¹ (Explain)	
6. <u> </u>					
7. <u> </u>					
8. <u> </u>					
9. <u> </u>					
10. <u> </u>					
<u>95</u> = Total Cover					
Woody Vine Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Present?	
9. <u> </u>				Yes	No <u>X</u>
10. <u> </u>					
<u> </u> = Total Cover					
Remarks: (Include photo numbers here or on a separate sheet.)					

SOIL

Sampling Point: T4P11

Profile Description: Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color	%	Type ¹	Loc ²		
0-6	10YR 3/2	100					Silty Clay Loam	
6-12	10YR 4/2	98	10YR 4/6	2	C	M	Silty Clay Loam	
12-24	10YR 5/2	95	10YR 5/6	5	C	M	Silty Clay Loam	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:		Indicators for Problematic Hydric Soils ³ :	
☐ Histosol (A1)	☐ Sandy Gleyed matrix (S4)	☐ Coast Prairie Redox (A16)	
☐ Histic Epipedon (A2)	☐ Sandy Redox (S5)	☐ Dark Surface (S7)	
☐ Black Histic (A3)	☐ Stripped Matrix (S6)	☐ Iron-Manganese Masses (F12)	
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1)	☐ Very Shallow Dark Surface (TF12)	
☐ Stratified Layers (A5)	☐ Loamy Gleyed Matrix (F2)	☐ Other (Explain in Remarks)	
☐ 2 cm Muck (A10)	☒ Depleted matrix (F3)		
☒ Depleted Below Dark Surface (A11)	☐ Redox Dark Surface (F6)		
☐ Thick Dark Surface (A12)	☐ Depleted Dark Surface (F7)		
☐ Sandy Mucky Mineral (S1)	☐ Redox Depressions (F8)		
☐ 5 cm Mucky Peat or Peat (S3)			

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed): Type: _____ Depth (in.) _____	Hydric Soil Present? Yes ☒ No ☐
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Remarks:

HYDROLOGY

Wetland Hydrology Indicators:			
Primary Indicators (minimum of one is required; checked all that apply)		Secondary Indicators (minimum of two required)	
☐ Surface water (A1)	☐ Water-Stained Leaves (B9)	☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)	☐ Aquatic Fauna (B13)	☐ Drainage patterns (B10)	
☐ Saturation (A3)	☐ True Aquatic Plants (B14)	☐ Dry-Season Water table (C2)	
☐ Water marks (B1)	☐ Hydrogen Sulfide Odor (C1)	☐ Crayfish Burrows (C8)	
☐ Sediment Deposits (B2)	☐ Oxidized Rhizospheres on Living roots (C3)	☐ Saturation Visible on Aerial Imagery (C9)	
☐ Drift Deposits (B3)	☐ Presence of Reduced Iron (C4)	☐ Stunted or Stressed Plants (D1)	
☐ Algal Mat or Crust (B4)	☐ Recent Iron Reduction in Tilled Soils (C6)	☐ Geomorphic Position (D2)	
☐ Iron Deposits (B5)	☐ Thin Muck Surface (C7)	☐ FAC-Neutral Test (D5)	
☐ Inundation Visible on Aerial Imagery (B7)	☐ Gauge or Well Data (D9)		
☐ Sparsely Vegetated Concave Surface (B8)	☐ Other (Explain in Remarks)		

Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): _____ Water Table Present? Yes ☐ No ☒ Depths (inches): <u>>24</u> Saturation Present? Yes ☐ No ☒ Depths (inches): <u>>24</u> (includes capillary fringe)	Wetland Hydrology Present? Yes ☐ No ☒
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Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/7/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T4P12
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Pewamo silty clay NWI classification: PFO1C
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	<u>X</u>	No	<u> </u>	Is the Sampled Area Within a Wetland? Yes <u>X</u> No <u> </u>
Hydric Soil Present?	Yes	<u>X</u>	No	<u> </u>	
Wetland Hydrology Present?	Yes	<u>X</u>	No	<u> </u>	
Remarks: Section V - Forested wetland located in an old oxbow					

Vegetation – Use scientific names of plants.

Tree Stratum	(Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>4</u> (B) Percent of Dominant Species That are OBL, FACW, or FAC: <u>75</u> (A/B)
1.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
2.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
3.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
4.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
		<u> </u> = Total Cover			
Sapling/Shrub Stratum	(Plot size): 15-ft radius				Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: OBL species <u> </u> x 1 = <u> </u> FACW species <u> </u> x 2 = <u> </u> FAC species <u> </u> x 3 = <u> </u> FACU species <u> </u> x 4 = <u> </u> UPL species <u> </u> x 5 = <u> </u> Column Totals: <u> </u> (A) <u> </u> (B) Prevalence Index = B/A = <u> </u>
1.	<u>Lindera benzoin</u>	<u>5</u>	<u>X</u>	<u>FACW</u>	
2.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
3.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
4.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
		<u>5</u> = Total Cover			
Herb Stratum	(Plot size): 5-ft radius				Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation Dominance Test > 50% <u>X</u> Prevalence Index is ≤ 3.0 ¹ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1.	<u>Impatiens capensis</u>	<u>5</u>	<u>X</u>	<u>FACW</u>	
2.	<u>Persicaria virginiana</u>	<u>3</u>	<u>X</u>	<u>FAC</u>	
3.	<u>Circaea canadensis</u>	<u>2</u>	<u>X</u>	<u>FACU</u>	
4.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
5.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
6.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
7.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
8.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
9.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
10	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
		<u>10</u> = Total Cover			
Woody Vine Stratum	(Plot size): 30-ft radius				Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>
9.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
10	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
		<u> </u> = Total Cover			
Remarks: (Include photo numbers here or on a separate sheet.)					

SOIL

Sampling Point: T4P12

Profile Description: Describe to the depth needed to document the indicator or confirm the absence of indicators.)							Sampling Point: P-12	
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color	%	Type ¹	Loc ²		
0-8	10YR 3/1	90	10YR 4/6	10	C	M	Silty Clay	
8-24	10YR 4/1	80	10YR 4/6	20	C	M	Silty Clay	

¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:			Indicators for Problematic Hydric Soils ³ :		
☐ Histosol (A1)	☐	Sandy Gleyed matrix (S4)	☐	Coast Prairie Redox (A16)	
☐ Histic Epipedon (A2)	☐	Sandy Redox (S5)	☐	Dark Surface (S7)	
☐ Black Histic (A3)	☐	Stripped Matrix (S6)	☐	Iron-Manganese Masses (F12)	
☐ Hydrogen Sulfide (A4)	☐	Loamy Mucky Mineral (F1)	☐	Very Shallow Dark Surface (TF12)	
☐ Stratified Layers (A5)	☐	Loamy Gleyed Matrix (F2)	☐	Other (Explain in Remarks)	
☐ 2 cm Muck (A10)	☒	Depleted matrix (F3)		³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	
☐ Depleted Below Dark Surface (A11)	☐	Redox Dark Surface (F6)			
☐ Thick Dark Surface (A12)	☐	Depleted Dark Surface (F7)			
☐ Sandy Mucky Mineral (S1)	☐	Redox Depressions (F8)			
☐ 5 cm Mucky Peat or Peat (S3)					

Restrictive Layer (if observed): Type: _____ Depth (in.) _____		Hydric Soil Present? Yes ☒ No _____
Remarks: _____ _____ _____		

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required; checked all that apply)				Secondary Indicators (minimum of two required)	
☐	Surface water (A1)	☐	Water-Stained Leaves (B9)	☐	Surface Soil Cracks (B6)
☐	High Water Table (A2)	☐	Aquatic Fauna (B13)	☐	Drainage patterns (B10)
☒	Saturation (A3)	☐	True Aquatic Plants (B14)	☐	Dry-Season Water table (C2)
☐	Water marks (B1)	☐	Hydrogen Sulfide Odor (C1)	☐	Crayfish Burrows (C8)
☐	Sediment Deposits (B2)	☐	Oxidized Rhizospheres on Living roots (C3)	☐	Saturation Visible on Aerial Imagery (C9)
☐	Drift Deposits (B3)	☐	Presence of Reduced Iron (C4)	☐	Stunted or Stressed Plants (D1)
☐	Algal Mat or Crust (B4)	☐	Recent Iron Reduction in Tilled Soils (C6)	☒	Geomorphic Position (D2)
☐	Iron Deposits (B5)	☐	Thin Muck Surface (C7)	☒	FAC-Neutral Test (D5)
☐	Inundation Visible on Aerial Imagery (B7)	☐	Gauge or Well Data (D9)		
☒	Sparsely Vegetated Concave Surface (B8)	☐	Other (Explain in Remarks)		
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): Water Table Present? Yes ☐ No ☒ Depths (inches): Saturation Present? Yes ☒ No ☐ Depths (inches): 0 (includes capillary fringe)				Wetland Hydrology Present? Yes ☒ No ☐	
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/6/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T4P13
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Glynwood silt loam NWI classification: PFO1C
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	<u>X</u>	No	<u> </u>	Is the Sampled Area Within a Wetland? Yes <u>X</u> No <u> </u>
Hydric Soil Present?	Yes	<u>X</u>	No	<u> </u>	
Wetland Hydrology Present?	Yes	<u>X</u>	No	<u> </u>	
Remarks: Section VII – Forested wetland					

Vegetation – Use scientific names of plants.

Tree Stratum	(Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>4</u> (B) Percent of Dominant Species That are OBL, FACW, or FAC: <u>75</u> (A/B)
1.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
2.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
3.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
4.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u> </u> = Total Cover					Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: OBL species <u> </u> x 1 = <u> </u> FACW species <u> </u> x 2 = <u> </u> FAC species <u> </u> x 3 = <u> </u> FACU species <u> </u> x 4 = <u> </u> UPL species <u> </u> x 5 = <u> </u> Column Totals: <u> </u> (A) <u> </u> (B) Prevalence Index = B/A = <u> </u>
Sapling/Shrub Stratum (Plot size): 15-ft radius					
1.	<u>Ulmus americana</u>	<u>20</u>	<u>X</u>	<u>FACW</u>	
2.	<u>Fraxinus pennsylvanica</u>	<u>15</u>	<u>X</u>	<u>FACW</u>	
3.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u> </u> = Total Cover					Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation Dominance Test > 50% <u>X</u> Prevalence Index is ≤ 3.0 ¹ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain)
Herb Stratum (Plot size): 5-ft radius					
1.	<u>Parthenocissus quinquefolia</u>	<u>10</u>	<u>X</u>	<u>FACU</u>	
2.	<u>Carex molesta</u>	<u>10</u>	<u>X</u>	<u>FAC</u>	
3.	<u>Fraxinus pennsylvanica</u>	<u>5</u>	<u> </u>	<u>FACW</u>	
4.	<u>Carex lacustris</u>	<u>5</u>	<u> </u>	<u>OBL</u>	
5.	<u>Cornus drummondii</u>	<u>5</u>	<u> </u>	<u>FAC</u>	
6.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
7.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
8.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
9.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
10.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u> </u> = Total Cover					Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>
Woody Vine Stratum (Plot size): 30-ft radius					
9.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
10.	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
<u> </u> = Total Cover					
Remarks: (Include photo numbers here or on a separate sheet.)					

SOIL

Sampling Point: T4P13

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required; checked all that apply)				Secondary Indicators (minimum of two required)	
☐	Surface water (A1)	☐	Water-Stained Leaves (B9)	☐	Surface Soil Cracks (B6)
☐	High Water Table (A2)	☐	Aquatic Fauna (B13)	☐	Drainage patterns (B10)
☒	Saturation (A3)	☐	True Aquatic Plants (B14)	☐	Dry-Season Water table (C2)
☐	Water marks (B1)	☐	Hydrogen Sulfide Odor (C1)	☐	Crayfish Burrows (C8)
☐	Sediment Deposits (B2)	☐	Oxidized Rhizospheres on Living roots (C3)	☐	Saturation Visible on Aerial Imagery (C9)
☐	Drift Deposits (B3)	☐	Presence of Reduced Iron (C4)	☐	Stunted or Stressed Plants (D1)
☐	Algal Mat or Crust (B4)	☐	Recent Iron Reduction in Tilled Soils (C6)	☒	Geomorphic Position (D2)
☐	Iron Deposits (B5)	☐	Thin Muck Surface (C7)	☒	FAC-Neutral Test (D5)
☐	Inundation Visible on Aerial Imagery (B7)	☐	Gauge or Well Data (D9)		
☒	Sparsely Vegetated Concave Surface (B8)	☐	Other (Explain in Remarks)		
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): Water Table Present? Yes ☐ No ☒ Depths (inches): Saturation Present? Yes ☒ No ☐ Depths (inches): 6 (includes capillary fringe)				Wetland Hydrology Present? Yes ☒ No ☐	
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/6/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T4P14
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Plain Local relief (concave, convex, none): None
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Glynwood Silt Loam NWI classification: None
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	No	<u>X</u>	Is the Sampled Area Within a Wetland?	Yes	No	<u>X</u>
Hydric Soil Present?	Yes	<u>X</u>	No				
Wetland Hydrology Present?	Yes	No	<u>X</u>				
Remarks: Upland forest							

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. <u>Quercus rubra</u>	60	<u>X</u>	FACU	Number of Dominant Species That are OBL, FACW or FAC:	<u>3</u> (A)
2. <u>Prunus serotina</u>	20	<u>X</u>	FACU	Total Number of Dominant Species Across All Strata:	<u>7</u> (B)
3. <u> </u>				Percent of Dominant Species That are OBL, FACW, or FAC:	<u>42</u> (A/B)
4. <u> </u>					
5. <u> </u>					
<u>80</u> = Total Cover					
Sapling/Shrub Stratum (Plot size): 15-ft radius				Prevalence Index worksheet:	
1. <u>Fraxinus pennsylvanica</u>	15	<u>X</u>	FACW	Total % Cover of:	Multiply by:
2. <u>Aesculus glabra</u>	10	<u>X</u>	FAC	OBL species	<u> </u> x 1 = <u> </u>
3. <u>Rosa multiflora</u>	10	<u>X</u>	FACU	FACW species	<u> </u> x 2 = <u> </u>
4. <u> </u>				FAC species	<u> </u> x 3 = <u> </u>
5. <u> </u>				FACU species	<u> </u> x 4 = <u> </u>
<u>35</u> = Total Cover				UPL species	<u> </u> x 5 = <u> </u>
				Column Totals:	<u> </u> (A) <u> </u> (B)
Herb Stratum (Plot size): 5-ft radius				Prevalence Index = B/A = <u> </u>	
1. <u>Parthenocissus quinquefolia</u>	60	<u>X</u>	FACU	Hydrophytic Vegetation Indicators:	
2. <u>Sanicula odorata</u>	20	<u>X</u>	FAC	Rapid Test for Hydrophytic Vegetation	
3. <u>Fraxinus pennsylvanica</u>	10		FACW	Dominance Test > 50%	
4. <u>Trillium sessile</u>	5		FACU	Prevalence Index is ≤ 3.0 ¹	
5. <u>Galium aparine</u>	5		FACU	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)	
6. <u> </u>				Problematic Hydrophytic Vegetation ¹ (Explain)	
7. <u> </u>					
8. <u> </u>					
9. <u> </u>					
10. <u> </u>					
<u>100</u> = Total Cover					
Woody Vine Stratum (Plot size): 30-ft radius				Hydrophytic Vegetation Present? Yes <u> </u> No <u>X</u>	
9. <u>Parthenocissus quinquefolia</u>	10	<u>X</u>	FACU		
10. <u> </u>					
<u>10</u> = Total Cover					

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: T4P14

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators			
Primary Indicators (minimum of one is required; checked all that apply)				Secondary Indicators (minimum of two required)			
☐ Surface water (A1)	☐ High Water Table (A2)	☐ Saturation (A3)	☐ Water marks (B1)	☐ Sediment Deposits (B2)	☐ Drift Deposits (B3)	☐ Algal Mat or Crust (B4)	☐ Iron Deposits (B5)
☐ Inundation Visible on Aerial Imagery (B7)	☐ Sparsely Vegetated Concave Surface (B8)	☐ Water-Stained Leaves (B9)	☐ Aquatic Fauna (B13)	☐ True Aquatic Plants (B14)	☐ Hydrogen Sulfide Odor (C1)	☐ Oxidized Rhizospheres on Living roots (C3)	☐ Presence of Reduced Iron (C4)
☐ Recent Iron Reduction in Tilled Soils (C6)	☐ Thin Muck Surface (C7)	☐ Gauge or Well Data (D9)	☐ Other (Explain in Remarks)	☐ Surface Soil Cracks (B6)	☐ Drainage patterns (B10)	☐ Dry-Season Water table (C2)	☐ Crayfish Burrows (C8)
☐ Saturation Visible on Aerial Imagery (C9)	☐ Stunted or Stressed Plants (D1)	☐ Geomorphic Position (D2)	☐ FAC-Neutral Test (D5)				
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): Water Table Present? Yes ☐ No ☒ Depths (inches): Saturation Present? Yes ☐ No ☒ Depths (inches): (includes capillary fringe)				Wetland Hydrology Present? Yes ☐ No ☒			
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:							
Remarks:							

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/7/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T4P15
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Plain Local relief (concave, convex, none): None
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Glynwood Silt Loam NWI classification: None
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	No	<u>X</u>	Is the Sampled Area Within a Wetland?	Yes	No	<u>X</u>
Hydric Soil Present?	Yes	<u>X</u>	No				
Wetland Hydrology Present?	Yes	No	<u>X</u>				
Remarks: Upland forest							

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. <u>Quercus rubra</u>	40	<u>X</u>	FACU	Number of Dominant Species That are OBL, FACW or FAC:	<u>3</u> (A)
2. <u>Carya laciniosa</u>	20	<u>X</u>	FACW	Total Number of Dominant Species Across All Strata:	<u>8</u> (B)
3. <u>Acer saccharum</u>	20	<u>X</u>	FACU	Percent of Dominant Species That are OBL, FACW, or FAC:	<u>38</u> (A/B)
4. <u> </u>					
5. <u> </u>					
<u>80</u> = Total Cover					
Sapling/Shrub Stratum (Plot size): 15-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Prevalence Index worksheet:	
1. <u>Acer saccharum</u>	50	<u>X</u>	FACU	Total % Cover of:	Multiply by:
2. <u>Ulmus americana</u>	15	<u>X</u>	FACW	OBL species	<u> </u> x 1 = <u> </u>
3. <u>Aesculus glabra</u>	10		FAC	FACW species	<u> </u> x 2 = <u> </u>
4. <u> </u>				FAC species	<u> </u> x 3 = <u> </u>
5. <u> </u>				FACU species	<u> </u> x 4 = <u> </u>
<u>75</u> = Total Cover				UPL species	<u> </u> x 5 = <u> </u>
				Column Totals:	<u> </u> (A) <u> </u> (B)
Herb Stratum (Plot size): 5-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators:	
1. <u>Circaea canadensis</u>	50	<u>X</u>	FACU	Rapid Test for Hydrophytic Vegetation	
2. <u>Parthenocissus quinquefolia</u>	20	<u>X</u>	FACU	Dominance Test > 50%	
3. <u>Toxicodendron radicans</u>	20	<u>X</u>	FAC	Prevalence Index is ≤ 3.0 ¹	
4. <u>Sanicula odorata</u>	10		FAC	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)	
5. <u> </u>				Problematic Hydrophytic Vegetation ¹ (Explain)	
6. <u> </u>					
7. <u> </u>					
8. <u> </u>					
9. <u> </u>					
10. <u> </u>					
<u>100</u> = Total Cover					
Woody Vine Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Present?	
9. <u> </u>				Yes	No <u>X</u>
10. <u> </u>					
<u> </u> = Total Cover					

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: T4P15

[illegible]

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required; checked all that apply)					
☐ Surface water (A1)		☐ Water-Stained Leaves (B9)		☐ Surface Soil Cracks (B6)	
☐ High Water Table (A2)		☐ Aquatic Fauna (B13)		☐ Drainage patterns (B10)	
☐ Saturation (A3)		☐ True Aquatic Plants (B14)		☐ Dry-Season Water table (C2)	
☐ Water marks (B1)		☐ Hydrogen Sulfide Odor (C1)		☐ Crayfish Burrows (C8)	
☐ Sediment Deposits (B2)		☐ Oxidized Rhizospheres on Living roots (C3)		☐ Saturation Visible on Aerial Imagery (C9)	
☐ Drift Deposits (B3)		☐ Presence of Reduced Iron (C4)		☐ Stunted or Stressed Plants (D1)	
☐ Algal Mat or Crust (B4)		☐ Recent Iron Reduction in Tilled Soils (C6)		☐ Geomorphic Position (D2)	
☐ Iron Deposits (B5)		☐ Thin Muck Surface (C7)		☐ FAC-Neutral Test (D5)	
☐ Inundation Visible on Aerial Imagery (B7)		☐ Gauge or Well Data (D9)			
☐ Sparsely Vegetated Concave Surface (B8)		☐ Other (Explain in Remarks)			
Field Observations: Surface Water Present? Yes ☐ No ☒ Depths (inches): Water Table Present? Yes ☐ No ☒ Depths (inches): Saturation Present? Yes ☐ No ☒ Depths (inches): (includes capillary fringe)				Wetland Hydrology Present? Yes ☐ No ☒	
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property City/County: Portland/Jay Sample Date: 6/7/2024
 Applicant/Owner: Jay County Development Corporation State: IN Sample Point: T4P16
 Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein Section: Township, Range: Section 19: T23N, R14E
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave
 Slope (%): 0 Lat: 40.431217° Long: -85.006968° Datum: WGS 84
 Soil Map Unit Name: Glynwood Silt Loam NWI classification: PFO1C
 Are climatic/hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Finding – Attach site map showing sampling point locations, transect, important features, etc.

Hydrophytic Vegetation Present?	Yes	<u>X</u>	No	<u> </u>	Is the Sampled Area Within a Wetland? Yes <u>X</u> No <u> </u>
Hydric Soil Present?	Yes	<u>X</u>	No	<u> </u>	
Wetland Hydrology Present?	Yes	<u>X</u>	No	<u> </u>	
Remarks: Section VI – Forested wetland					

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That are OBL, FACW or FAC: <u>4</u> (A) Total Number of Dominant Species Across All Strata: <u>5</u> (B) Percent of Dominant Species That are OBL, FACW, or FAC: <u>80</u> (A/B)
1. <u>Ulmus americana</u>	<u>40</u>	<u>X</u>	<u>FACW</u>	
2. <u>Quercus rubra</u>	<u>30</u>	<u>X</u>	<u>FACU</u>	
3. <u>Quercus bicolor</u>	<u>10</u>	<u> </u>	<u>FACW</u>	
4. <u> </u>	<u> </u>	<u> </u>	<u> </u>	
80 = Total Cover				Prevalence Index worksheet: Total % Cover of: <u> </u> Multiply by: OBL species <u> </u> x 1 = <u> </u> FACW species <u> </u> x 2 = <u> </u> FAC species <u> </u> x 3 = <u> </u> FACU species <u> </u> x 4 = <u> </u> UPL species <u> </u> x 5 = <u> </u> Column Totals: <u> </u> (A) <u> </u> (B) Prevalence Index = B/A = <u> </u>
Sapling/Shrub Stratum (Plot size): 15-ft radius 1. <u>Quercus bicolor</u> <u>40</u> <u>X</u> <u>FACW</u> 2. <u>Aesculus glabra</u> <u>10</u> <u>X</u> <u>FAC</u> 3. <u> </u> <u> </u> <u> </u> <u> </u> 4. <u> </u> <u> </u> <u> </u> <u> </u> 5. <u> </u> <u> </u> <u> </u> <u> </u> 50 = Total Cover				
Herb Stratum (Plot size): 5-ft radius 1. <u>Fraxinus pennsylvanica</u> <u>5</u> <u>X</u> <u>FACW</u> 2. <u> </u> <u> </u> <u> </u> <u> </u> 3. <u> </u> <u> </u> <u> </u> <u> </u> 4. <u> </u> <u> </u> <u> </u> <u> </u> 5. <u> </u> <u> </u> <u> </u> <u> </u> 6. <u> </u> <u> </u> <u> </u> <u> </u> 7. <u> </u> <u> </u> <u> </u> <u> </u> 8. <u> </u> <u> </u> <u> </u> <u> </u> 9. <u> </u> <u> </u> <u> </u> <u> </u> 10. <u> </u> <u> </u> <u> </u> <u> </u> 5 = Total Cover				
Woody Vine Stratum (Plot size): 30-ft radius 9. <u> </u> <u> </u> <u> </u> <u> </u> 10. <u> </u> <u> </u> <u> </u> <u> </u> = Total Cover				
Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation <u>X</u> Dominance Test > 50% Prevalence Index is ≤ 3.0 ¹ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.				
Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>				

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: T4P16

Profile Description: Describe to the depth needed to document the indicator or confirm the absence of indicators.)							
Depth (inches)	Matrix		Redox Features				
	Color (moist)	% ⁹⁵	Color	%	Type ¹	Loc ²	Texture
							Remarks
0-8	10YR 2/1		10YR 4/6	5	C	M	Silty Clay Loam
8-24							Cobblestone

¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix

Hydric Soil Indicators:

☐

Histosol (A1)

☒X

Sandy Gleyed matrix (S4)

☐

Histic Epipedon (A2)

☐

Sandy Redox (S5)

☐

Black Histic (A3)

☐

Stripped Matrix (S6)

☐

Hydrogen Sulfide (A4)

☐

Loamy Mucky Mineral (F1)

☐

Stratified Layers (A5)

☐

Loamy Gleyed Matrix (F2)

☐

2 cm Muck (A10)

☐

Depleted matrix (F3)

☐

Depleted Below Dark Surface (A11)

☒X

Redox Dark Surface (F6)

☐

Thick Dark Surface (A12)

☐

Depleted Dark Surface (F7)

☐

Sandy Mucky Mineral (S1)

☐

Redox Depressions (F8)

☐

5 cm Mucky Peat or Peat (S3)

Indicators for Problematic Hydric Soils³:

☐

Coast Prairie Redox (A16)

☐

Dark Surface (S7)

☐

Iron-Manganese Masses (F12)

☐

Very Shallow Dark Surface (TF12)

☐

Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):
 Type: _____
 Depth (in.): _____

Hydric Soil Present?

 Yes ☒ No ☐

Remarks: Cobblestone appears to be from nearby railroad

HYDROLOGY

Wetland Hydrology Indicators:				Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required; checked all that apply)					
☐ Surface water (A1)	☐ High Water Table (A2)	☐ Saturation (A3)	☐ Water marks (B1)	☐ Sediment Deposits (B2)	☐ Drift Deposits (B3)
☐ Algal Mat or Crust (B4)	☐ Iron Deposits (B5)	☐ Inundation Visible on Aerial Imagery (B7)	☒ Sparsely Vegetated Concave Surface (B8)	☐ Water-Stained Leaves (B9)	☐ Aquatic Fauna (B13)
☐ True Aquatic Plants (B14)	☐ Hydrogen Sulfide Odor (C1)	☐ Oxidized Rhizospheres on Living roots (C3)	☐ Presence of Reduced Iron (C4)	☐ Recent Iron Reduction in Tilled Soils (C6)	☐ Thin Muck Surface (C7)
☐ Gauge or Well Data (D9)	☐ Other (Explain in Remarks)	☐ Surface Soil Cracks (B6)	☐ Drainage patterns (B10)	☐ Dry-Season Water table (C2)	☐ Crayfish Burrows (C8)
☐ Saturation Visible on Aerial Imagery (C9)	☐ Stunted or Stressed Plants (D1)	☒ Geomorphic Position (D2)	☒ FAC-Neutral Test (D5)		
Field Observations:				Wetland Hydrology Present? Yes ☒ No ☐	
Surface Water Present?	Yes ☐ No ☒	Depths (inches):			
Water Table Present?	Yes ☐ No ☒	Depths (inches):			
Saturation Present?	Yes ☐ No ☒	Depths (inches):			
(includes capillary fringe)					
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					

APPENDIX B

SITE PHOTOGRAPHS

APPENDIX B
JAY COUNTY PROPERTY: JAY COUNTY, INDIANA



1. View west of mown lawn at data point T1P1. 6/6/2024.



3. View west of Section I at data point T1P3. 6/6/2024.



2. View south of shrubby old field at data point T1P2. 6/6/2024.



4. View of water marks in Section I near data point T1P3. 6/6/2024.

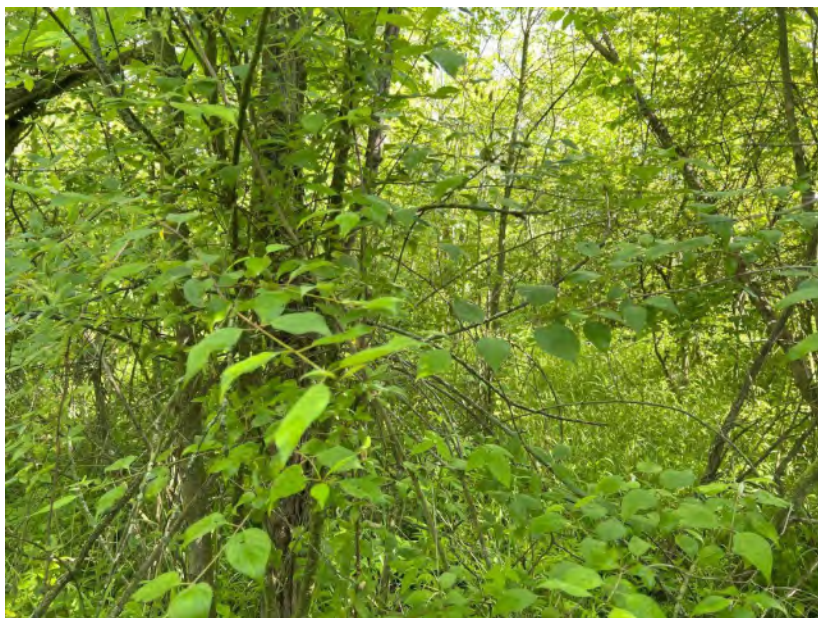
APPENDIX B
JAY COUNTY PROPERTY: JAY COUNTY, INDIANA



5. View east of shrubby old field at data point T1P4. 6/6/2024.



7. View south of Section I. 6/6/2024.



6. View north of Section I at data point T1P5. 6/6/2024.



8. View north of shrubby old field at data point T1P6. 6/6/2024.

APPENDIX B
JAY COUNTY PROPERTY: JAY COUNTY, INDIANA



9. View south of Section I at data point T1P7. 6/6/2024.



11. View south of upland forest at data point T1P9. 6/6/2024.



10. View east of Drain 1 at data point T1P8. 6/6/2024.



12. View west of upland forest at data point T1P10. 6/7/2024.

APPENDIX B
JAY COUNTY PROPERTY: JAY COUNTY, INDIANA



13. View south of Section I at data point T2P1. 6/6/2024.



15. View south of Section I at data point T2P3. 6/6/2024.



14. View south of shrubby old field at data point T2P2. 6/6/2024.

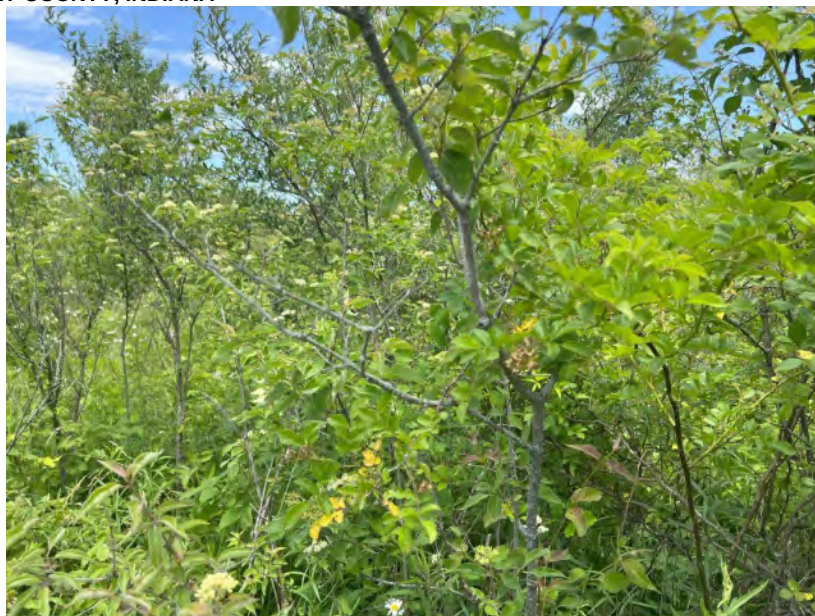


16. View north of upland forest at data point T2P4. 6/6/2024.

APPENDIX B
JAY COUNTY PROPERTY: JAY COUNTY, INDIANA



17. View east of upland forest at data point T2P5. 6/6/2024.



19. View north of shrubby old field at data point T3P1. 6/6/2024.



18. View south of Section I at data point T2P6. 6/6/2024.



20. View east of Section I at data point T3P2. 6/6/2024.

APPENDIX B
JAY COUNTY PROPERTY: JAY COUNTY, INDIANA



21. View west of upland forest at data point T3P3. 6/6/2024.



23. View north of upland forest at data point T3P5. 6/6/2024.



22. View east of Section I at data point T3P4. 6/6/2024.



24. View north of Section III at data point T3P6. 6/11/2024.

APPENDIX B
JAY COUNTY PROPERTY: JAY COUNTY, INDIANA



25. View south of Section III. 6/11/2024.



27. View east of upland forest at data point T3P9. 6/6/2024.



26. View east of Section I at data point T3P8. 6/6/2024.

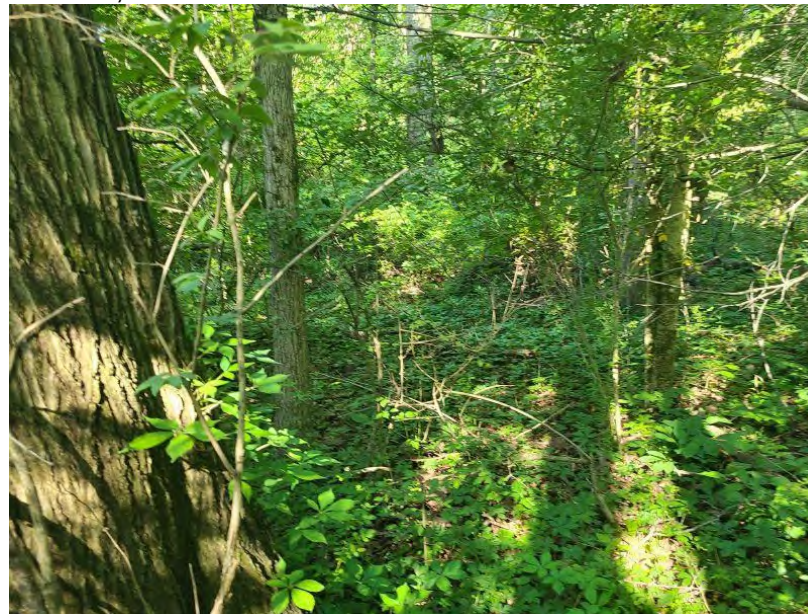


28. View north of Section IV at data point T3P10. 6/11/2024.

APPENDIX B
JAY COUNTY PROPERTY: JAY COUNTY, INDIANA



29. View south of Section IV at data point T3P10. 6/11/2024.



31. View west of upland forest at data point T3P12. 6/11/2024.



30. View south of upland forest at data point T3P11. 6/6/2024.



32. View east of Section II at data point T3P13. 6/11/2024.

APPENDIX B
JAY COUNTY PROPERTY: JAY COUNTY, INDIANA



33. View west of Section II. 6/6/2024.



35. View south of culvert under the railroad. 6/6/2024.



34. View west of Drain 1 at data point T3P14. 6/6/2024.



36. View west of Drain 1 off-site. 6/7/2024.

APPENDIX B
JAY COUNTY PROPERTY: JAY COUNTY, INDIANA



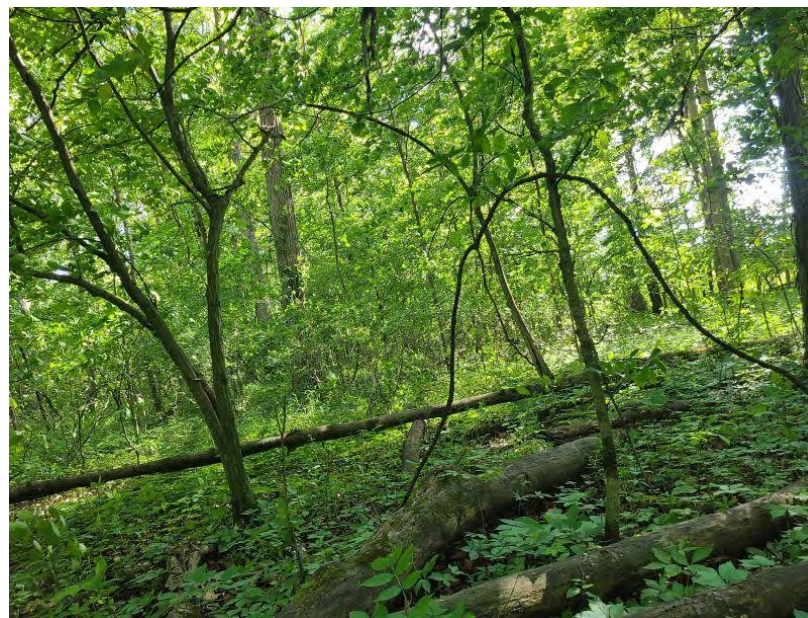
37. View north of upland forest at data point T3P15. 6/6/2024.



39. View east of Section I at data point T4P2. 6/6/2024.



38. View south of upland forest at data point T4P1. 6/6/2024.

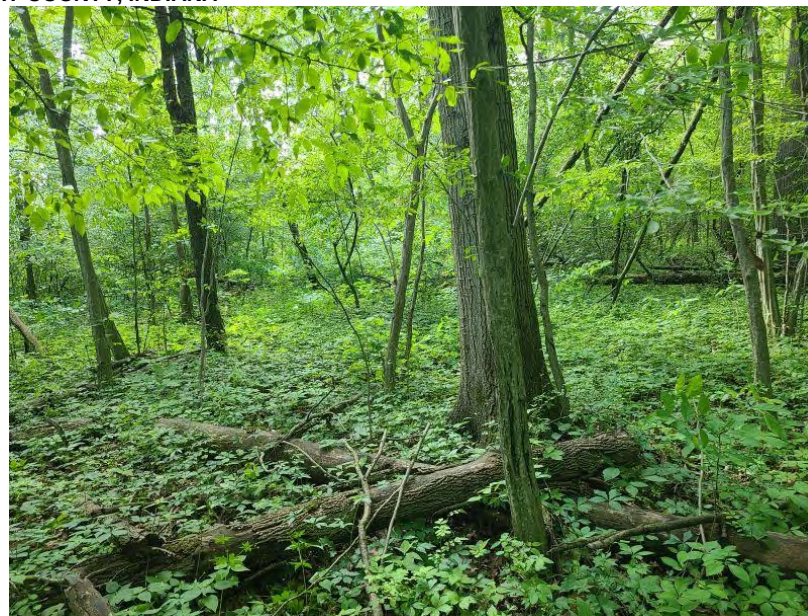


40. View south of Section I at data point T4P3. 6/6/2024.

APPENDIX B
JAY COUNTY PROPERTY: JAY COUNTY, INDIANA



41. View north of upland forest at data point T4P4. 6/6/2024.



43. View west of upland forest at data point T4P6. 6/6/2024.



42. View north of Section I at data point T4P5. 6/6/2024.



44. View west of Section VIII at data point T4P7. 6/6/2024.

APPENDIX B
JAY COUNTY PROPERTY: JAY COUNTY, INDIANA



45. View south of upland forest at data point T4P8. 6/11/2024.



47. View north of Section VIII. 6/11/2024.



46. View east of Section VIII at data point T4P9. 6/11/2024.



48. View south of upland forest at data point T4P10. 6/6/2024.

APPENDIX B
JAY COUNTY PROPERTY: JAY COUNTY, INDIANA



49. View north of upland forest at data point T4P11. 6/7/2024.



51. View east of Section V at data point T4P12. 6/7/2024.



50. View west of Section V at data point T4P12. 6/7/2024.



52. View east of Section VII at data point T4P13. 6/6/2024.

APPENDIX B
JAY COUNTY PROPERTY: JAY COUNTY, INDIANA



53. View west of upland forest at data point T4P14. 6/6/2024.



55. View north of Section VI at data point T4P16. 6/7/2024.



54. View south of upland forest at data point T4P15. 6/7/2024.

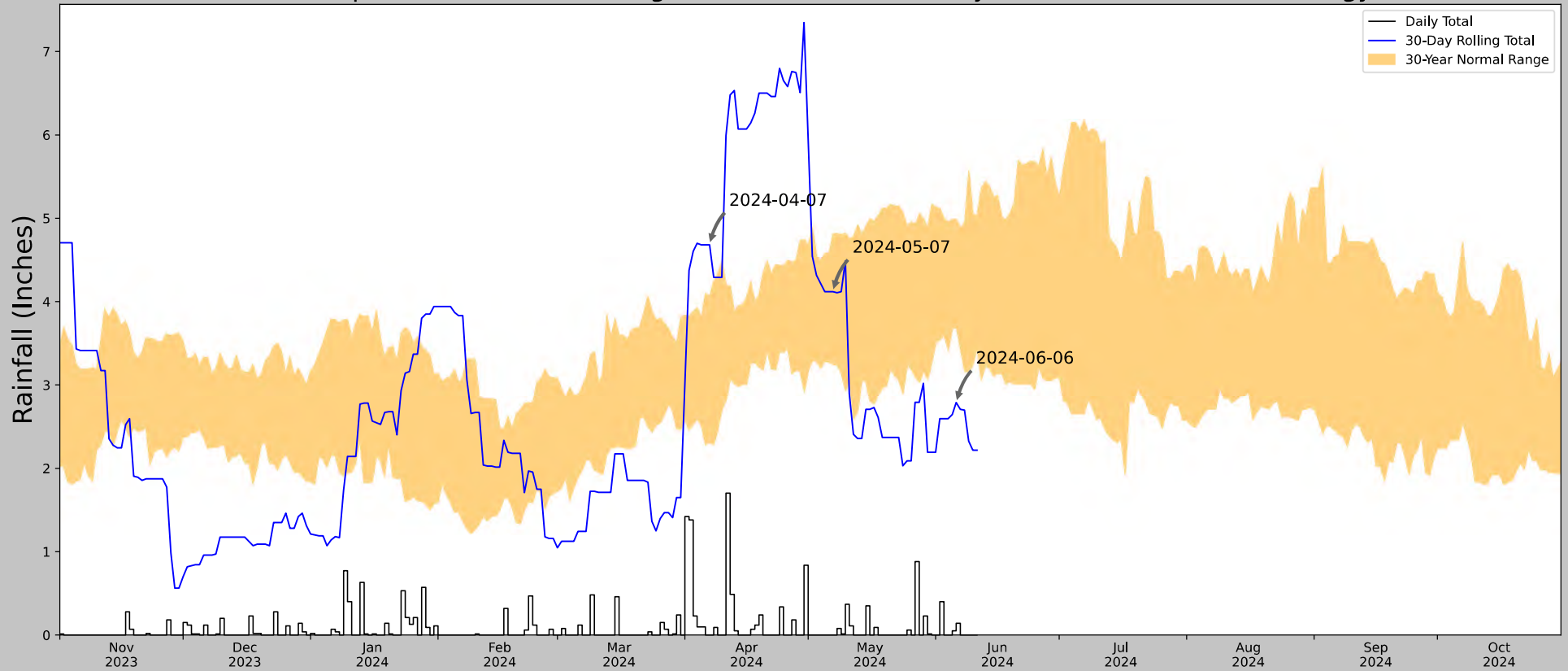


56. View east of Section VI. 6/7/2024.

APPENDIX C

“TYPICAL YEAR” PRECIPITATION DATA

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	40.431217, -85.006968
Observation Date	2024-06-06
Elevation (ft)	918.577
Drought Index (PDSI)	Mild drought (2024-05)
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2024-06-06	3.682677	4.984646	2.787402	Dry	1	3	3
2024-05-07	3.244095	4.812205	4.11811	Normal	2	2	4
2024-04-07	2.305906	4.054331	4.681103	Wet	3	1	3
Result							Normal Conditions - 10



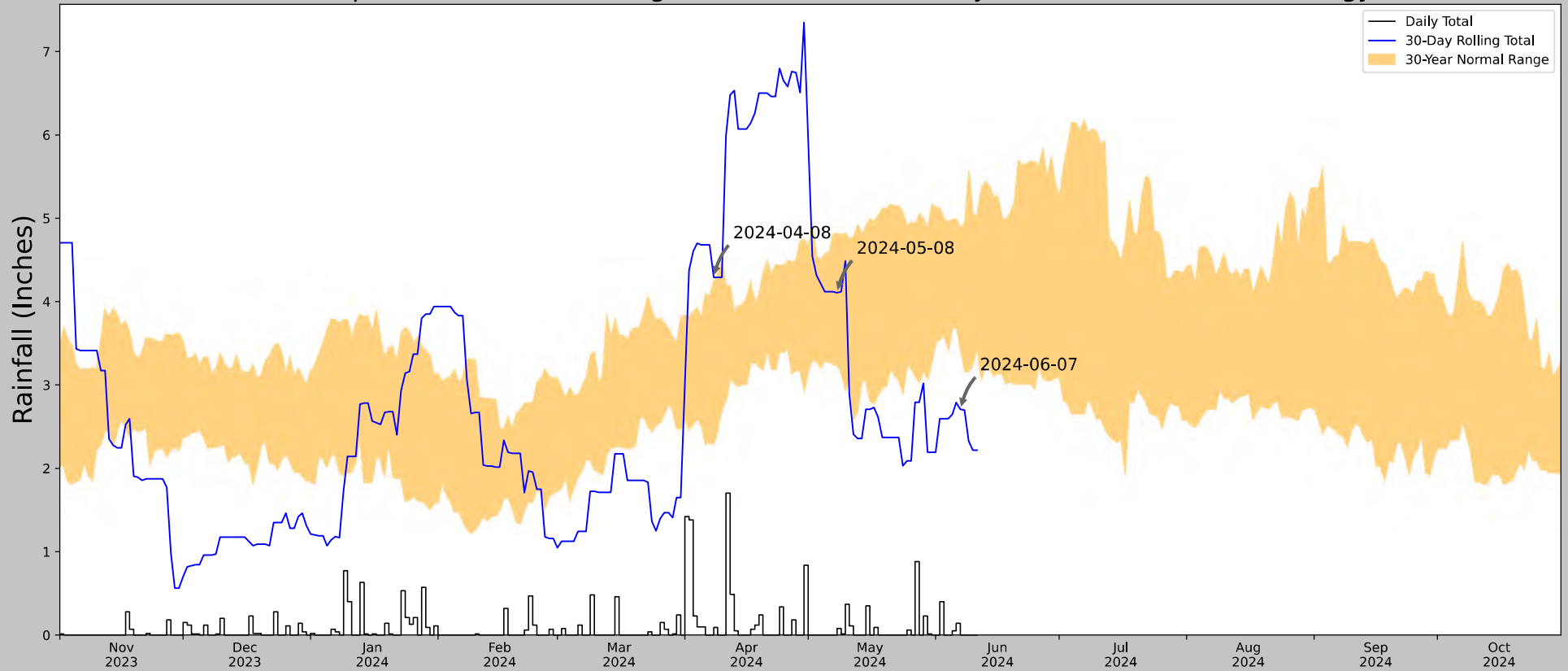
Figures and tables made by the
Antecedent Precipitation Tool
Version 2.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center



Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
HARTFORD CITY 4 ESE	40.4356, -85.2892	923.885	14.846	5.308	6.759	11049	90
(KD9GWL) HARTFORD CITY 0.6 NE	40.4587, -85.3629	910.105	4.191	13.78	1.944	3	0
(KC9CGY) HARTFORD CITY 0.5 SSE	40.4462, -85.3663	892.06	4.12	31.825	1.985	5	0
HARTFORD CITY 0.2 NNW (WB9HLA)	40.4555, -85.3743	920.932	4.681	2.953	2.12	5	0
HARTFORD CITY 4.8 NW	40.5069, -85.4275	886.155	8.781	37.73	4.283	3	0
UPLAND 1 S	40.4667, -85.5	924.869	11.29	0.984	5.092	127	0
MUNCIE DELAWARE CO AP	40.2344, -85.3936	936.024	14.95	12.139	6.909	157	0
FARMLAND 5 NNW	40.2539, -85.1483	964.895	14.583	41.01	7.16	3	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	40.431217, -85.006968
Observation Date	2024-06-07
Elevation (ft)	918.577
Drought Index (PDSI)	Mild drought (2024-05)
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2024-06-07	3.420079	4.880315	2.708662	Dry	1	3	3
2024-05-08	3.235827	4.819291	4.106299	Normal	2	2	4
2024-04-08	2.279528	4.231496	4.291339	Wet	3	1	3
Result							Normal Conditions - 10



US Army Corps
of Engineers

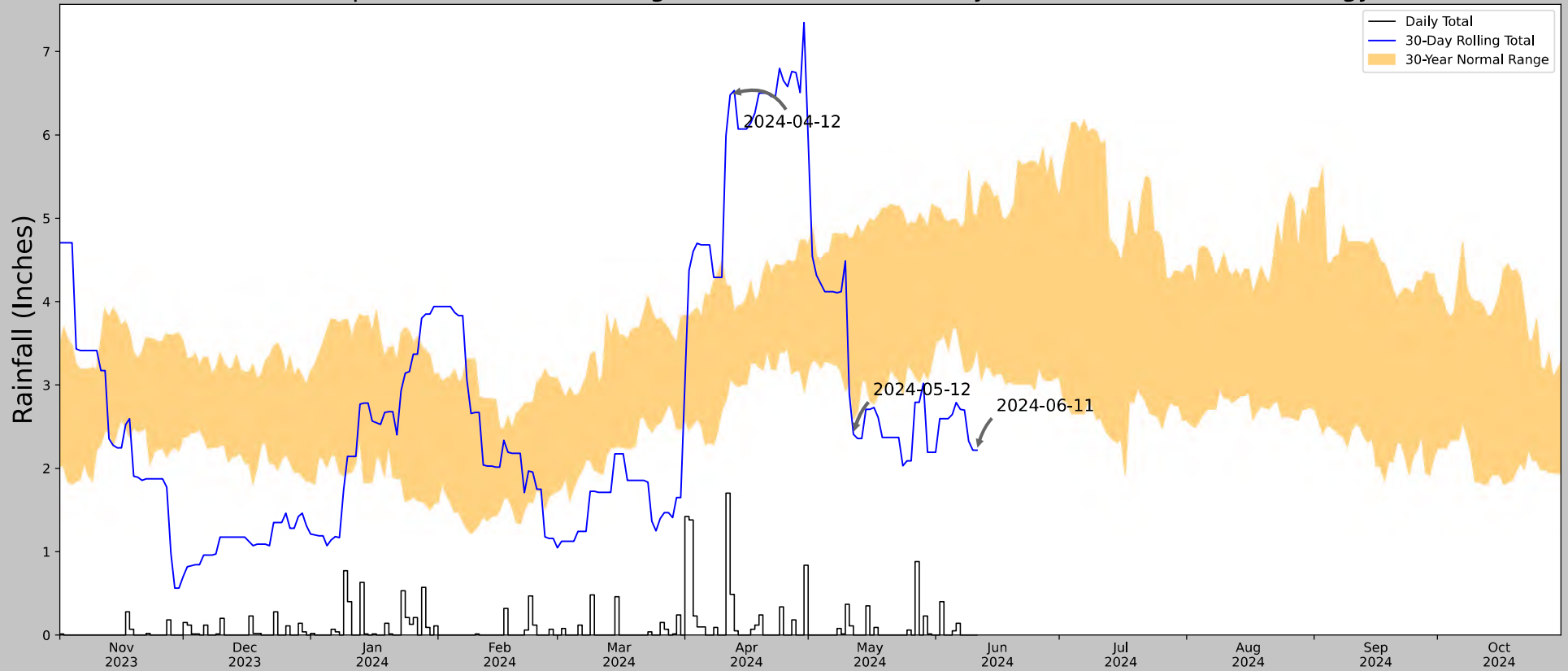


Figures and tables made by the
Antecedent Precipitation Tool
Version 2.0

Developed by:
U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
HARTFORD CITY 4 ESE	40.4356, -85.2892	923.885	14.846	5.308	6.759	11049	90
(KD9GWL) HARTFORD CITY 0.6 NE	40.4587, -85.3629	910.105	4.191	13.78	1.944	3	0
(KC9CGY) HARTFORD CITY 0.5 SSE	40.4462, -85.3663	892.06	4.12	31.825	1.985	5	0
HARTFORD CITY 0.2 NNW (WB9HLA)	40.4555, -85.3743	920.932	4.681	2.953	2.12	5	0
HARTFORD CITY 4.8 NW	40.5069, -85.4275	886.155	8.781	37.73	4.283	3	0
UPLAND 1 S	40.4667, -85.5	924.869	11.29	0.984	5.092	127	0
MUNCIE DELAWARE CO AP	40.2344, -85.3936	936.024	14.95	12.139	6.909	157	0
FARMLAND 5 NNW	40.2539, -85.1483	964.895	14.583	41.01	7.16	3	0

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	40.431217, -85.006968
Observation Date	2024-06-11
Elevation (ft)	918.577
Drought Index (PDSI)	Mild drought (2024-05)
WebWIMP H ₂ O Balance	Dry Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2024-06-11	3.452756	5.025984	2.216536	Dry	1	3	3
2024-05-12	2.586221	4.784252	2.409449	Dry	1	2	2
2024-04-12	3.07441	4.179528	6.480315	Wet	3	1	3
Result							Drier than Normal - 8



US Army Corps
of Engineers



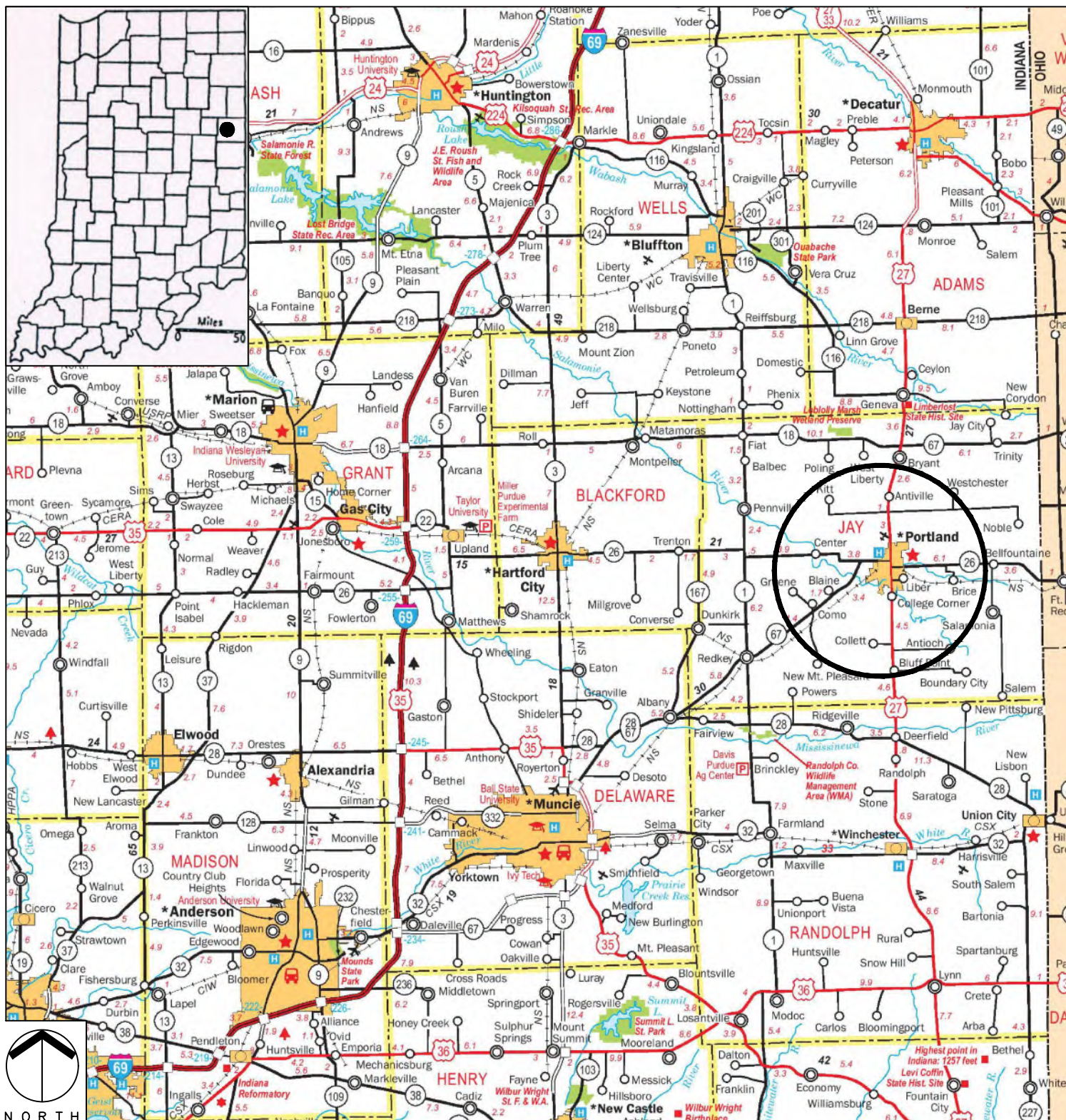
Figures and tables made by the
Antecedent Precipitation Tool
Version 2.0

Developed by:
U.S. Army Corps of Engineers and
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Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
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HARTFORD CITY 0.2 NNW (WB9HLA)	40.4555, -85.3743	920.932	4.681	2.953	2.12	5	0
HARTFORD CITY 4.8 NW	40.5069, -85.4275	886.155	8.781	37.73	4.283	3	0
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FARMLAND 5 NNW	40.2539, -85.1483	964.895	14.583	41.01	7.16	3	0

DELINEATION GRAPHICS

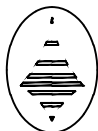
REGIONAL LOCATION MAP	P1
PROJECT LOCATION MAP	P2
NATIONAL WETLANDS INVENTORY MAP	P3
NATIONAL HYDROGRAPHY DATASET MAP	P4
JAY COUNTY SOIL SURVEY MAP	P5
2022 AERIAL PHOTOGRAPH MAP	P6
WETLAND DELINEATION MAP (11x17)	P7
DATA POINT LOCATION MAP (11x17)	P8



Project Name:

JAY COUNTY PROPERTY

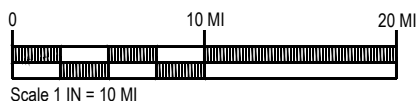
Agent:



Earth-Source Inc

14921 Hand Road, Fort Wayne, IN 46818
(260) 489-8511 office@earthsourceinc.net

REGIONAL LOCATION MAP



Applicant:

JAY CO. DEVELOPMENT CORP.
118 SOUTH MERIDIAN STREET, SUITE B
PORTLAND, IN 47371

State:

INDIANA

County:

JAY

Township Name:

WAYNE

Township:

T23N

Range:

R14E

Section:

SEC 19

Quadrangle:

BLAINE (IN)

Latitude/Longitude (WGS 84):

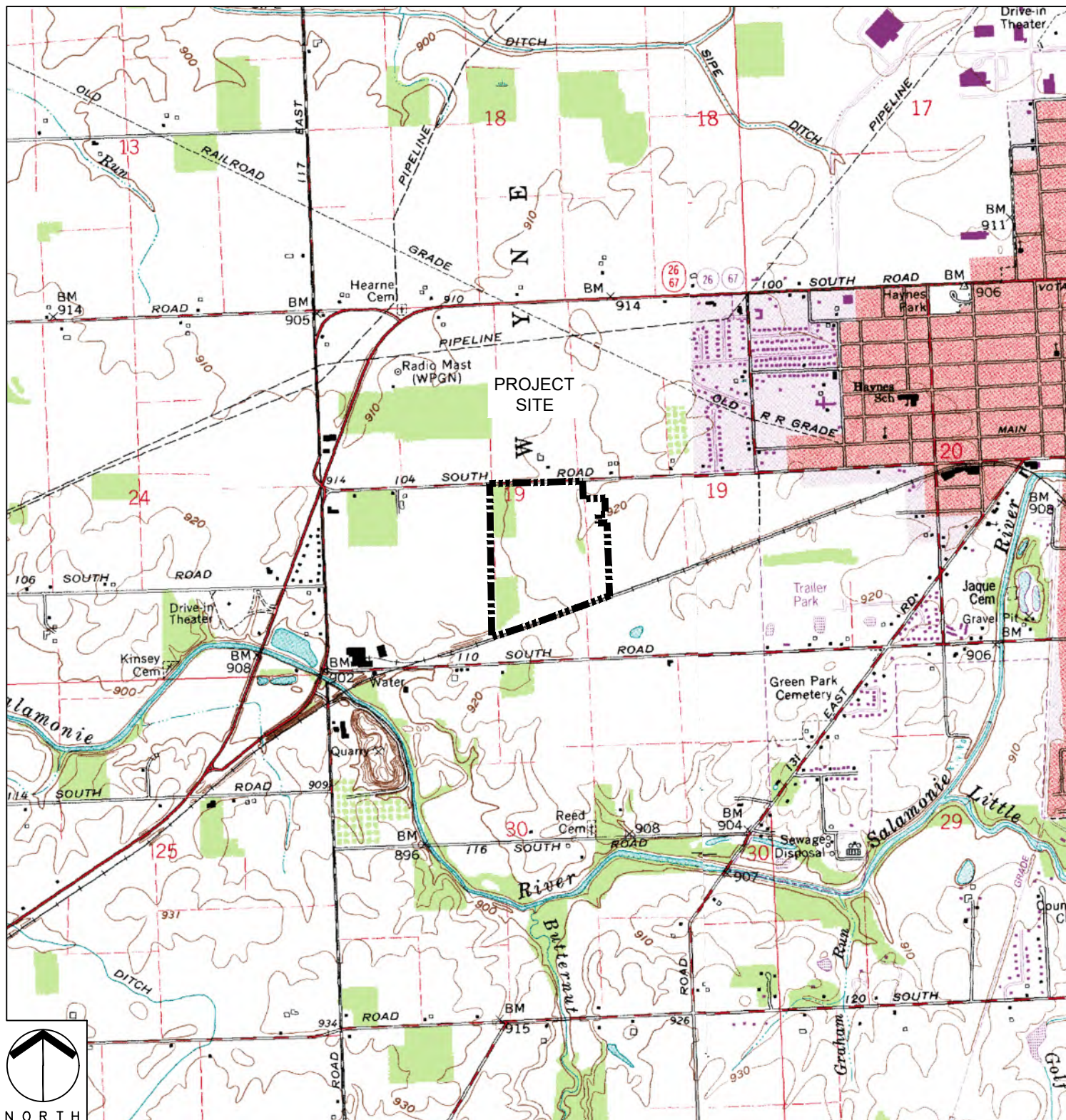
40.431217°, -85.006968°

Date:

6-17-2024

Attachment:

J1



Project Name:

JAY COUNTY PROPERTY

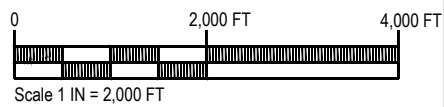
Agent:



Earth-Source Inc

14921 Hand Road, Fort Wayne, IN 46818
(260) 489-8511 office@earthsourceinc.net

PROJECT LOCATION MAP



Applicant:

JAY CO. DEVELOPMENT CORP.
118 SOUTH MERIDIAN STREET, SUITE B
PORTLAND, IN 47371

State:

INDIANA

County:

JAY

Township Name:

WAYNE

Township:

T23N

Range:

R14E

Section:

SEC 19

Quadrangle:

BLAINE (IN)

Latitude/Longitude (WGS 84):

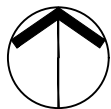
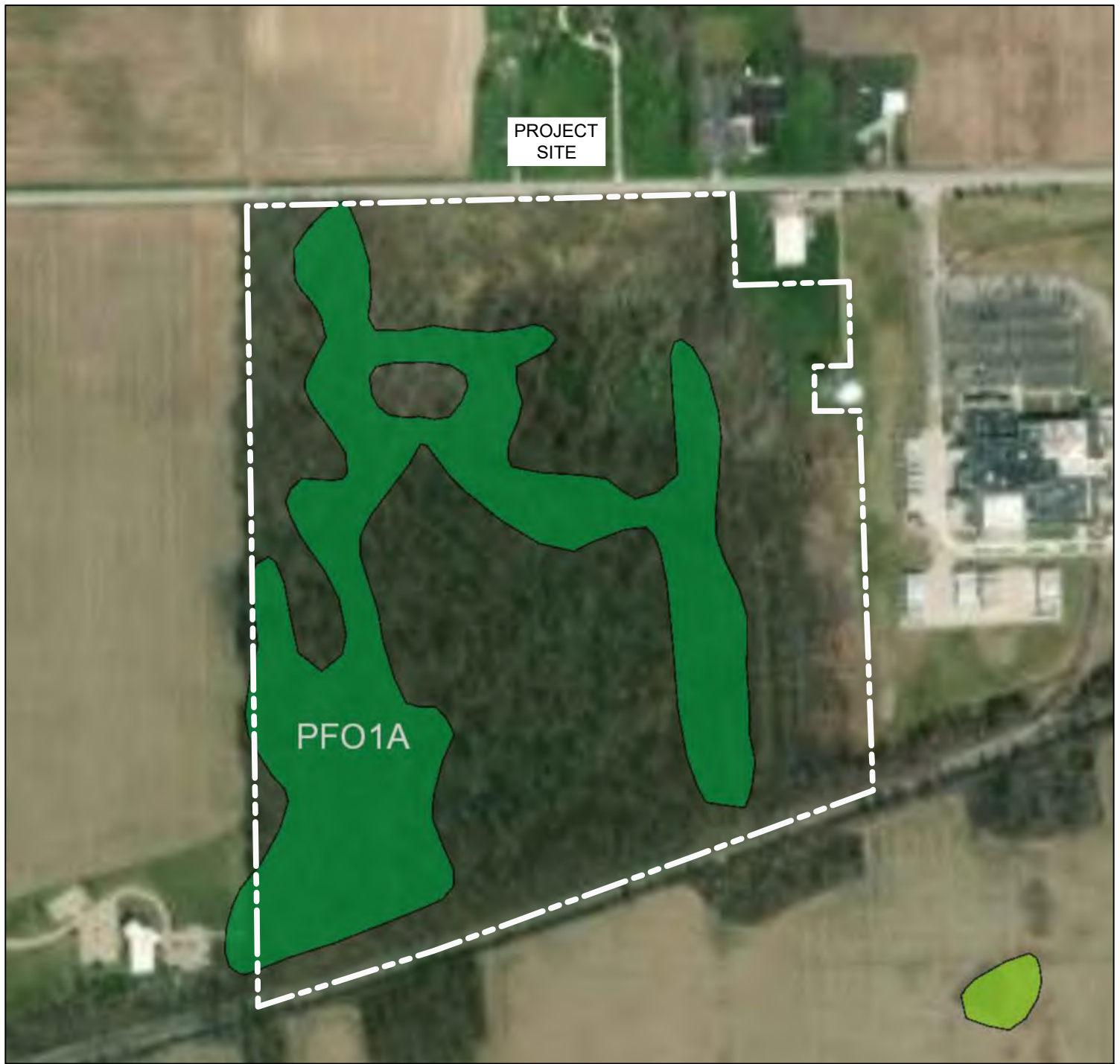
40.431217°, -85.006968°

Date:

6-17-2024

Attachment:

J2



NORTH

Wetlands		
	Estuarine and Marine Deepwater	 Freshwater Emergent Wetland
	Estuarine and Marine Wetland	 Freshwater Forested/Shrub Wetland
	Freshwater Pond	 Other
		 Riverine

Project Name:

JAY COUNTY PROPERTY

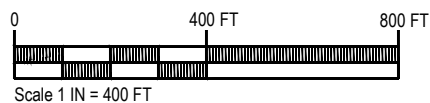
Agent:



Earth-Source Inc

14921 Hand Road, Fort Wayne, IN 46818
(260) 489-8511 office@earthsourceinc.net

NATIONAL WETLANDS INVENTORY MAP



Applicant:

JAY CO. DEVELOPMENT CORP.
118 SOUTH MERIDIAN STREET, SUITE B
PORTLAND, IN 47371

State:

INDIANA

County:

JAY

Township Name:

WAYNE

Township:

T23N

Range:

R14E

Section:

SEC 19

Quadrangle:

BLAINE (IN)

Latitude/Longitude (WGS 84):

40.431217°, -85.006968°

Date:

6-17-2024

Attachment:

J3



Project Name:
JAY COUNTY PROPERTY

Agent:

Earth-Source Inc

14921 Hand Road, Fort Wayne, IN 46818
(260) 489-8511 office@earthsourceinc.net

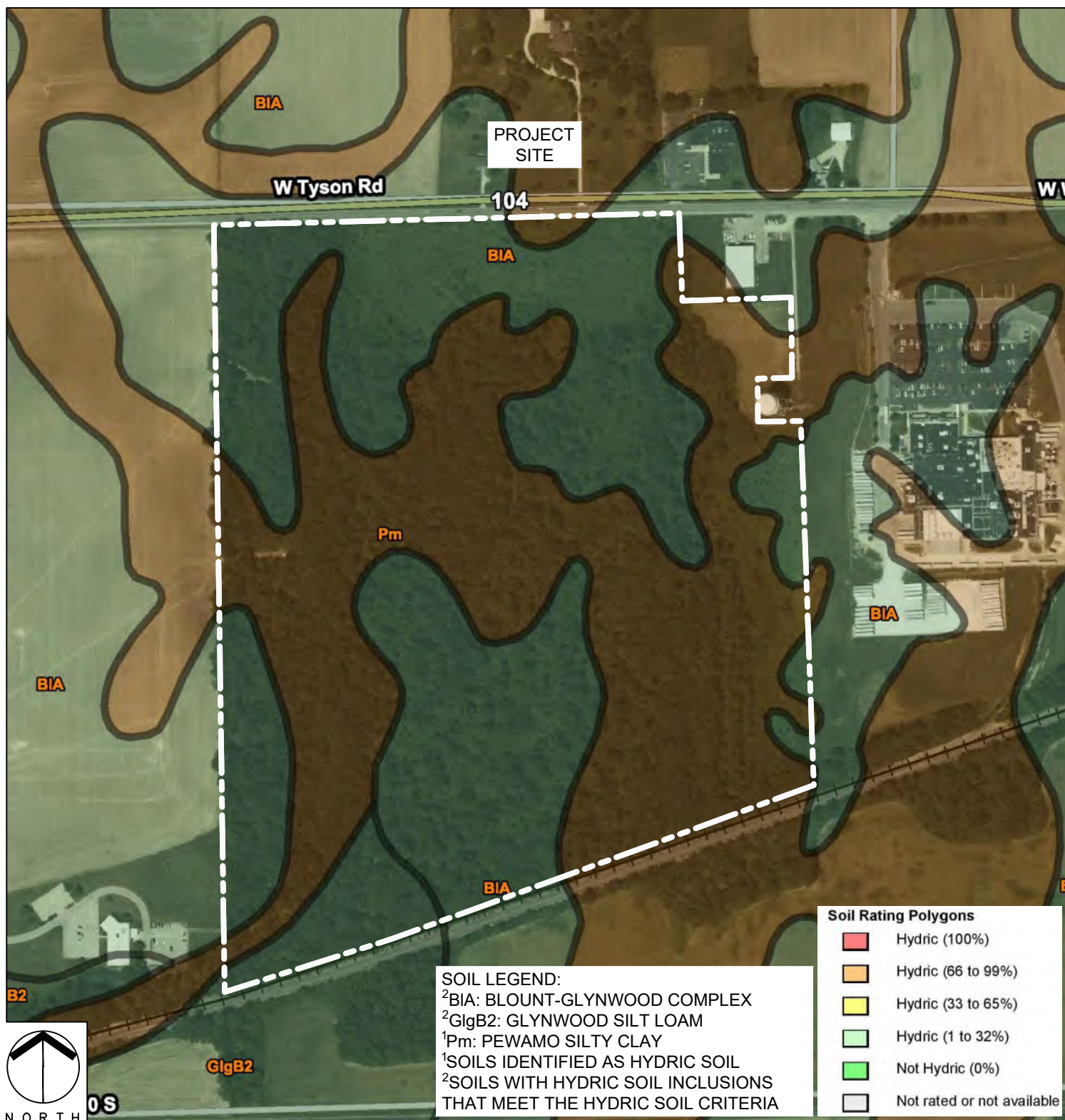
NATIONAL HYDROGRAPHY DATASET

Scale 1 IN = 400 FT

Applicant:

JAY CO. DEVELOPMENT CORP.
118 SOUTH MERIDIAN STREET, SUITE B
PORTLAND, IN 47371

State: INDIANA		County: JAY
Township Name: WAYNE		
Township: T23N	Range: R14E	Section: SEC 19
Quadrangle: BLAINE (IN)		
Latitude/Longitude (WGS 84): 40.431217°, -85.006968°		
Date: 6-17-2024		Attachment: J4



Project Name:
JAY COUNTY PROPERTY

Agent:

 **Earth-Source Inc**
 14921 Hand Road, Fort Wayne, IN 46818
 (260) 489-8511 office@earthsourceinc.net

**JAY COUNTY
SOIL SURVEY MAP**

0 400 FT 800 FT

Scale 1 IN = 400 FT

Applicant:
JAY CO. DEVELOPMENT CORP.
 118 SOUTH MERIDIAN STREET, SUITE B
 PORTLAND, IN 47371

State: INDIANA		County: JAY
Township Name: WAYNE		
Township: T23N	Range: R14E	Section: SEC 19
Quadrangle: BLAINE (IN)		
Latitude/Longitude (WGS 84): 40.431217°, -85.006968°		
Date: 6-17-2024	Attachment: J5	



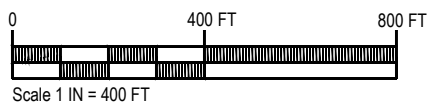
Project Name:
JAY COUNTY PROPERTY

Agent:

Earth-Source Inc

14921 Hand Road, Fort Wayne, IN 46818
(260) 489-8511 office@earthsourceinc.net

2022 AERIAL PHOTOGRAPH MAP



Applicant:

JAY CO. DEVELOPMENT CORP.
118 SOUTH MERIDIAN STREET, SUITE B
PORTLAND, IN 47371

State: INDIANA		County: JAY
Township Name: WAYNE		
Township: T23N	Range: R14E	Section: SEC 19
Quadrangle: BLAINE (IN)		
Latitude/Longitude (WGS 84): 40.431217°, -85.006968°		
Date: 6-17-2024		Attachment: J6



NORTH

Project Name:
JAY COUNTY PROPERTY

Agent:



Earth-Source Inc.

14921 Hand Road, Fort Wayne, IN 46818
(260) 489-8511 office@earthsourceinc.net

WETLAND DELINEATION MAP



Applicant:

JAY CO. DEVELOPMENT CORP.
118 SOUTH MERIDIAN STREET, SUITE B
PORTLAND, IN 47371

State:

INDIANA

County:

JAY

Township Name:

WAYNE

Township:

T23N

Range:

R14E

Section:

SEC 19

Quadrangle:

BLAINE (IN)

Latitude/Longitude (WGS 84):

40.431217°, -85.006968°

Date:

6-17-2024

Attachment:

J7



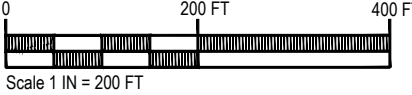
Project Name:
JAY COUNTY PROPERTY

Agent:



Earth-Source Inc
14921 Hand Road, Fort Wayne, IN 46818
(260) 489-8511 office@earthsourceinc.net

DATA POINT LOCATION MAP



Applicant:
JAY CO. DEVELOPMENT CORP.
118 SOUTH MERIDIAN STREET, SUITE B
PORTLAND, IN 47371

State: INDIANA		County: JAY	
Township Name: WAYNE			
Township: T23N	Range: R14E	Section: SEC 19	
Quadrangle: BLAINE (IN)			
Latitude/Longitude (WGS 84): 40.431217°, -85.006968°			
Date: 6-17-2024		Attachment: J8	

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**LAND PLANNING - LANDSCAPE ARCHITECTURE
CONSTRUCTED WETLANDS - WATERSHED ANALYSIS - HABITAT DESIGN
WETLAND DELINEATION, MITIGATION AND MONITORING
SECTION 10, 401 AND 404 PERMITTING**

14921 Hand Road, Ft. Wayne, IN 46818
Phone: (260) 489-8511