WETLAND DELINEATION REPORT

JAY COUNTY PROPERTY

Prepared for:

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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).

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

TABLE 1. SUMMARY OF WATERS

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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 gleved 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

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*	Quercus palustris	FACW
Sapling/Shrub Stratum Species List (15- Green Ash*	ft radius): Fraxinus pennsylvanica	FACW
Herbaceous Stratum Species List (5-ft ra Pin Oak* Fowl Manna Grass* White-Panicled American-Aster Lakebank Sedge Common Fox Sedge	ndius): Quercus palustris Glyceria striata Symphyotrichum lanceolatum Carex lacustris Carex vulpinoidea	FACW OBL FAC OBL 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 Sparsley 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*	Ulmus americana	FACW
Sapling/Shrub Stratum Species List (15-1 Green Ash*	it radius): Fraxinus pennsylvanica	FACW
Herbaceous Stratum Species List (5-ft ra Virginia-Creeper*	dius): Parthenocissus quinquefolia	FACU

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. **Earth Source,** Inc. Page 5 of 14; (6/17/2024)

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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 rac	dius):	
Pin Oak*	Quercus palustris	FACW
Sapling/Shrub Stratum Species List	t (15-ft radius):	
American Elm*	Ulmus americana	FACW
Pin Oak*	Quercus palustris	FACW
Herbaceous Stratum Species List (5-ft radius):	
Pin Oak*	Quercus palustris	FACW
Eastern Poison Ivy*	Toxicodendron radicans	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 radi Pin Oak* American Elm*	us): Quercus palustris Ulmus americana	FACW FACW
Sapling/Shrub Stratum Species List	(15-ft radius):	
American Elm*	Ulmus americana	FACW
Green Ash*	Fraxinus pennsylvanica	FACW
Cock-Spur Hawthorn*	Crataegus crus-galli	FAC
Herbaceous Stratum Species List (5	-ft radius):	
Green Ash*	Fraxinus pennsylvanica	FACW

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* Lindera benzoin FACW

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Herbaceous Stratum Species List (5-ft radius):

Spotted Touch-Me-Not*	İmpatiens capensis	FACW
Jumpseed*	Persicaria virginiana	FAC
Broad-Leaf Enchanter's-Nightshade* Circaea canadensis		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* Swamp White Oak*	Carya laciniosa Quercus bicolor	FACW FACW
Sapling/Shrub Stratum Species List (15-f American Elm* American Hornbeam* Green Ash	it radius): Ulmus americana Carpinus caroliniana Fraxinus pennsylvanica	FACW FAC FACW

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Herbaceous Stratum Species List (5-ft radius):

Green Ash*	Fraxinus pennsylvanica	FACW
Jumpseed*	Persicaria virginiana	FAC
Spotted Touch-Me-Not*	Impatiens capensis	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 rad	lius):							
American Elm*	Ulmus americana	FACW						
Red Oak*	Quercus rubra	FACU						
Swamp White Oak	Quercus bicolor	FACW						
Sapling/Shrub Stratum Species List (15-ft radius):								
Swamp White Oak*	Quercus bicolor	FACW						
Ohio Buckeye*	Aesculus glabra	FAC						
Herbaceous Stratum Species List (5-ft radius):								
Green Ash*	Fraxinus pennsylvanica	FACW						

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 L	₋ist (15-ft radius):		
American Elm*	Ulmus americana	FACW	
Green Ash*	Fraxinus pennsylvanica	FACW	
	5		

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Herbaceous Stratum Species List (5-ft radius):

Parthenocissus quinquefolia	FACU
Carex molesta	FAC
Fraxinus pennsylvanica	FACW
Carex lacustris	OBL
Cornus drummondii	FAC
	Carex molesta Fraxinus pennsylvanica Carex lacustris

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.

Earth Source, Inc. 14921 Hand Road, Fort Wayne, IN 46818 Page 11 of 14; (6/17/2024) Phone: (260) 489-8511

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. Nonexempt "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 Earth Source, Inc. Page 12 of 14; (6/17/2024)

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Phone: (260) 489-8511

Permit. Compensatory mitigation shall be provided in accordance with the following Table 2:

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

Table 2. Isolated Wetland Compensatory Mitigation Ratios

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.

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

Project/Site: _ Jay County Property	City/Coun	ty: <u>Portland</u>	l/Jay	Samp	le Date:	6/6/2024
Applicant/Owner: Jay County Development Corporation			State: IN	Samp	le Point:	T1P1
Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein	Section: T	ownship, Range	e: Section 19: T23N, I	R14E		
Landform (hillslope, terrace, etc.): Plain		Local relief (co	ncave, 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, expl	ain in Rem	arks.)	
Are Vegetation, Soil, or Hydrology	significantly d	isturbed?	Are "Normal Circumstances"	" present?	Yes	X No
Are Vegetation , Soil , or Hydrology	naturally prob	lematic?	(If needed, explain any answ	vers in Rer	narks.)	

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

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

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant <u>Species?</u>	Indicator <u>Status</u>	Dominance Test workshe	eet:		
1				Number of Dominant Species That are OBL, FACW or FAC		1	(A)
3				Total Number of Dominant Species Across All Strata:		3	(B)
5.		= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC		33	(A/B)
Sapling/Shrub Stratum (Plot size): 15-ft radius				Prevalence Index worksh Total % Cover of:	eet: x 1 =	Multiply by:	
2		·		OBL species FACW species			
4.				FAC species	x 3 =		
5.				FACU species	x 4 =		
		= Total Cover		UPL species	x 5 =		
Herb Stratum (Plot size): 5-ft radius	50	v	FACU	Column Totals: Prevalence Index = E	(A)		(B)
Festuca rubra Trifolium repens	<u>50</u> 30	<u> </u>	FACU	Hydrophytic Vegetation			
3. Poa pratensis	20	<u> </u>	FAC	Rapid Test for Hy		ion	
4.				Dominance Test :	1 2 0		
5.				Prevalence Index	is ≤ 3.0 ¹		
6.						e supporting data i	n
7				Remarks or on a s Problematic Hydro	· /	1 (Evalain)	
o 9				Fibblematic Hydro	opriyiic vegetatioi	i (Explain)	
10				¹ Indicators of hydric soil an	d wetland hydro	logy must be pres	sent.
		·		unless disturbed or problem	natic.		
Woody Vine Stratum (Plot size): 30-ft radius	100	_ = Total Cover		Hydrophytic Vegetation Present?	Yes	No _>	(
9							
		= Total Cover		-			
Remarks: (Include photo numbers here or on a se	parate shee	t.)					

SOIL								Sa	mpling Point: T1P1
	cription: Describ	e to the de	pth needed to do			confirm the	e absence of in	dicators.)	
Depth	Matrix	0/	0.1	Redox Fea		1 2	T		Dementer
(inches) 0-24	Color (moist) 10YR 4/2	100	Color	%	Type ¹	Loc ²	Texture Silt Loam		Remarks
0-24	1011 4/2						Silt Luain		
	oncentration, D=De	pletion, RM=	Reduced Matrix, C	S=Covered	or Coated Sand	l Grains. ² L	ocation: PL=Por	e Lining, M=Matrix	-
Hydric Soil I				<u> </u>	<u>.</u>	(2.1)		or Problematic Hydi	
	Histosol (A1)	A 0)			y Gleyed matrix	(S4)		Coast Prairie Redox	(A16)
	Histic Epipedon (/ Black Histic (A3)	42)			y Redox (S5) ed Matrix (S6))ark Surface (S7) ron-Manganese Ma	2222 (F12)
	Hydrogen Sulfide	$(\Delta 4)$			y Mucky Minera	J (E1)		ery Shallow Dark S	
	Stratified Layers (y Gleyed Matrix			Other (Explain in Re	
	2 cm Muck (A10)	, (0)			ted matrix (F3)	(12)	`		manoy
	Depleted Below D	ark Surface	(A11)		x Dark Surface	(F6)	3	Indicators of hydror	hytic vegetation and
	Thick Dark Surfac	ce (A12)		-	ted Dark Surfac	. ,		vetland hydrology m	
	Sandy Mucky Min	eral (S1)		Redo	x Depressions (F8)		inless disturbed or p	
	5 cm Mucky Peat	or Peat (S3)							
	ayer (if observed):							
Type:				_					
Depth (in.)				_		Hydric S	Soil Present?	Yes	No <u>X</u>
Remarks:									
Romanto.									
1									
I									
HYDROLO	GY								
	drology Indicators	:							
	ators (minimum of	one is requii	ed; checked all that	at apply)					s (minimum of two required)
	Irface water (A1)				ained Leaves (B	9)	_	Surface Soil C	
	gh Water Table (A2	2)			auna (B13)		-	Drainage patte	
	turation (A3)				atic Plants (B14		-	Dry-Season W	
	ater marks (B1)				Sulfide Odor (Crayfish Burro	ws (C8)
	diment Deposits (E	32)			Rhizospheres o		s (C3)		ble on Aerial Imagery (C9)
	ift Deposits (B3) gal Mat or Crust (B4	4)			of Reduced Iro		<u>-</u>	Geomorphic P	essed Plants (D1)
	n Deposits (B5)	+)			k Surface (C7)	Theo Sons (FAC-Neutral T	
	undation Visible on	Aerial Image	erv (B7)		Well Data (D9)		-		
	arsely Vegetated C				plain in Remark				
<u> </u>	alooly vogotatou c				plain in Roman	(0)			
Field Observ	vations:								
Surface Wate		Yes	No X	Depths (inch	nes):				
Water Table		Yes		Depths (inch	,				
Saturation Pr		Yes	<u>No X</u>	Depths (inch	nes): >24		Wetland H	lydrology Present?	Yes <u>No X</u>
(includes cap	oillary fringe)								
Describe Des	arded Data (Street		nitaring wall paria	Inhoton nro		a) if availab			
Describe Rec	corded Data (Stream	m gauge, mo	onitoring well, aeria	ai photos, pre	vious inspection	ns), if availab	le:		
Remarks:									

Project/Site: _ Jay County Property	City/Coun	ty: Portland/	Jay	Samp	le Date:	6/6/2024
Applicant/Owner: Jay County Development Corporation			State: IN	Samp	le Point:	T1P2
Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein	Section: 1	Township, Range:	Section 19: T23N, I	R14E		
Landform (hillslope, terrace, etc.): Plain		Local relief (con	cave, 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, expl	ain in Rem	arks.)	
Are Vegetation, Soil, or Hydrology	significantly d	listurbed? A	re "Normal Circumstances"	" present?	Yes	X No
Are Vegetation , Soil , or Hydrology	naturally prob	olematic? (If	f needed, explain any ansv	vers in Rer	narks.)	

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

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

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant Species?	Indicator <u>Status</u>	Dominance Test worksheet:			
1. Juniperus virginiana 2.	20	X	FACU	Number of Dominant Species That are OBL, FACW or FAC:		2	(A)
3				Total Number of Dominant Species Across All Strata:		6	(B)
5	20	= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC:		33 (4	(A/B)
Sapling/Shrub Stratum (Plot size): 15-ft radius 1. Cornus drummondii	15	х	FAC	Prevalence Index worksheet: Total % Cover of:		tiply by:	
2. Quercus palustris	10	<u> </u>	FACW	OBL species	x 1 =	прту бу.	
3. Pyrus calleryana	10	<u> </u>	UPL	FACW species	x 2 =		
4.		<u></u>		FAC species	x 3 =		
5.				FACU species	x 4 =		
· · · · · · · · · · · · · · · · · · ·	25	= Total Cover		UPL species	x 5 =		
Herb Stratum (Plot size): 5-ft radius	35	= Total Cover		Column Totals:	(A)		(B)
1. Solidago canadensis	50	х	FACU	Prevalence Index = B/A =			(D)
2. Dipsacus fullonum	20	<u> </u>	FACU	Hydrophytic Vegetation India			
3. Toxicodendron radicans	15	<u> </u>	FAC	Rapid Test for Hydrop			
4. Apocynum cannabinum	10		FAC	Dominance Test > 50	, 0		
5. Cornus drummondii	10		FAC	Prevalence Index is ≤			
6.				Morphological Adapta	tions ¹ (Provide sur	porting data in	
7.			-	Remarks or on a sepa			
8.				Problematic Hydrophy	tic Vegetation ¹ (E	xplain)	
9.							
10				¹ Indicators of hydric soil and w	etland hydrology	must be present,	.,
				unless disturbed or problemation	С.		
Woody Vine Stratum (Plot size): 30-ft radius	105	= Total Cover		Hydrophytic Vegetation Present?	Yes	No X	
9		·		4			
10		= Total Cover					

SOIL								s	ampling Point: T1P2
	cription: Describ	e to the d	epth needed to			or confirm th	ne absence of inc	licators.)	
Depth	Matrix				Features				
(inches)	Color (moist)	<u>%</u> 98	Color	%	Type ¹	Loc ²	Texture		Remarks
0-12	10YR 4/2		10YR 4/6	2	C	M	Silty Clay Loa	am	
12-24	10YR 4/1	95	10YR 4/6	5	С	M	Silty Clay Loa	am	
					· · · · · · · · · · · · · · · · · · ·				
17		alatian DN	De due e d Metric	00.0		2	Lessting DL Deer	Linin v. M. Matuix	
Hydric Soil	oncentration, D=De	pletion, RIV	I=Reduced Matrix,	, CS=Covere	ed or Coated Sa	ind Grains.	Location: PL=Pore	Lining, M=Matrix r Problematic Hyd	
Hydric Soli	Histosol (A1)			80	ady Clayed met	riv (C4)		past Prairie Redo	
	Histic Epipedon (/	۵2)			ndy Gleyed mat			ark Surface (S7)	(A10)
	Black Histic (A3)	~ Z)			ndy Redox (S5) ipped Matrix (S6			on-Manganese Ma	22200 (E12)
	Hydrogen Sulfide	$(\Delta 4)$			amy Mucky Mine	,		ery Shallow Dark	
	Stratified Layers (amy Gleyed Mat			ther (Explain in R	
	2 cm Muck (A10)	, (0)	X	Del	pleted matrix (F				emanoy
	Depleted Below D	ark Surfac	e (A11)	Be	dox Dark Surfac	,	³ Ir	dicators of hydro	phytic vegetation and
	Thick Dark Surfac				pleted Dark Sur	()		etland hydrology r	
<u> </u>	Sandy Mucky Min	. ,			dox Depression:	. ,		less disturbed or	
	5 cm Mucky Peat		3)			0 (1 0)	u.		problemate.
	o on maony roat	011001(0	0)						
Restrictive I	Layer (if observed):							
Type:		,-							
Depth (in.)						Hvdric	Soil Present?	Yes X	No
- •p ()									
Remarks:									
HYDROLO									
	drology Indicators								
	cators (minimum of	one is requ	lired; checked all t			(D0)			ors (minimum of two required)
	urface water (A1)		_		Stained Leaves	(B9)	_	Surface Soil C	
	gh Water Table (A2	2)			c Fauna (B13) quatic Plants (B	4.4		Drainage patt	
	aturation (A3) ater marks (B1)				ien Sulfide Odor		—	Crayfish Burro	Vater table (C2)
	ediment Deposits (E	20)	_		ed Rhizospheres				ible on Aerial Imagery (C9)
	ift Deposits (B3)	<i>pz</i>)		Oxiuize	ice of Reduced	Iron (C4)	<u> </u>		essed Plants (D1)
	gal Mat or Crust (B4	1)			Iron Reduction		(C6)	Geomorphic F	
	on Deposits (B5)	+)	—		uck Surface (C7		(00)	FAC-Neutral	. ,
	undation Visible on	Aprial Ima			or Well Data (D		_		Test (D3)
	barsely Vegetated C				Explain in Rema				
0	alocity vegetated c					unoj			
Field Observ	vations:								
Surface Wate		Yes	No X	Depths (ir	nches):				
Water Table		Yes	No X	Depths (in		24			
Saturation Pr		Yes	No X	Depths (in	· ·		Wetland Hy	drology Present?	Yes No X
(includes cap					<u> </u>				<u> </u>
(included out	inary inigo,								
Describe Re	corded Data (Strea	m gauge, n	nonitoring well, ae	rial photos, p	previous inspect	tions), if availa	ble:		
	· ·								
Remarks:									

Project/Site: _ Jay County Property	City/Coun	ty: Portland/Ja	ay	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: 1	Township, Range:	Section 19: T23N, I	R14E	
Landform (hillslope, terrace, etc.): Depression		Local relief (conc	ave, 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, expl	ain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly d	listurbed? Are	e "Normal Circumstances"	" present? Yes	X No
Are Vegetation , Soil , or Hydrology	naturally prob	olematic? (If i	needed, explain any ansv	vers in Remarks.)	

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

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	X X X	No No No	Is the Sampled Area Within a Wetland?	Yes	_X	No	
Remarks: Section I – Forested we	tland							

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant <u>Species?</u>	Indicator <u>Status</u>	Dominance Test worksheet:			
1. <u>Populus deltoides</u> 2.	10	X	FAC	Number of Dominant Species That are OBL, FACW or FAC:		5	(A)
3				Total Number of Dominant Species Across All Strata:		6	(B)
5	10	= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC:		83	(A/B)
Sapling/Shrub Stratum (Plot size): 15-ft radius 1. Cornus drummondii	100	x	FAC	Prevalence Index worksheet: Total % Cover of:		Multiply by:	
2				OBL species	x 1 = x 2 =		_
3. 4.				FAC v species	$- \frac{x^2}{x^3} =$		—
5.				FACU species	x 4 =		
	100	= Total Cover		UPL species	x 5 =		
Herb Stratum (Plot size): 5-ft radius				Column Totals:	(A)		(B)
1. <u>Rubus flagellaris</u>	30	<u> </u>	FACU	Prevalence Index = B/A =			
2. <u>Sanicula odorata</u> 3. Agrimonia parviflora	<u>20</u> 20	<u> </u>	FAC FACW	Hydrophytic Vegetation Indicato Rapid Test for Hydrophyti		ion	
4. Fraxinus pennsylvanica	20	<u> </u>	FACW	X Dominance Test > 50%	ic vegetat	1011	
5. Carex molesta	10		FAC	Prevalence Index is ≤ 3.0	1		
6.				Morphological Adaptation		e supporting data ir	ı
7				Remarks or on a separate	,		
8		<u> </u>		Problematic Hydrophytic	Vegetatior	n' (Explain)	
9 10				¹ Indicators of hydric soil and wetla	nd hvdrol	loav must be pres	ent.
		<u> </u>		unless disturbed or problematic.	, , , ,	3, 1111	,
Woody Vine Stratum (Plot size): 30-ft radius	100	= Total Cover		Hydrophytic Vegetation Yes Present? Yes	x	No	
9				4			
10		= Total Cover					
Remarks: (Include photo numbers here or on a set	parate sheet	t.)					

US Army Corps of Engineers

Midwest Region – Version 2.0

SOIL								Sampling Point: T1P3
		e to the d	epth needed to d			or confirm th	ne absence of indicators	5.)
Depth	Matrix			Redox F			_	
(inches)	Color (moist)	<u>%</u> 95	Color		Type ¹	Loc ²	Texture	Remarks
0-9	10YR 4/1	90	10YR 4/6	5	<u>C</u>	M	Silty Clay Loam	
9-24	10YR 4/2	90	10YR 4/6	10	С	M	Silty Clay	
17 0.0				~~ ~		10 2		
	oncentration, D=Dep	pletion, RIV	=Reduced Matrix,	CS=Covere	d or Coated Sa	and Grains. 2	Location: PL=Pore Lining,	
Hydric Soil I				Com			Indicators for Proble	-
	Histosol (A1)	101			ndy Gleyed mat			airie Redox (A16)
	Histic Epipedon (A Black Histic (A3)	42)			ndy Redox (S5)		Dark Surf	
		(\ 1)			pped Matrix (Se			ganese Masses (F12) Ilow Dark Surface (TF12)
	Hydrogen Sulfide Stratified Layers (my Mucky Mine			plain in Remarks)
	2 cm Muck (A10)	A3)		Lua	imy Gleyed Mat			plain in Remarks)
	Depleted Below D	ork Surfac	e (A11)	Dep	dox Dark Surfac	,	³ Indicator	s of hydrophytic vegetation and
	Thick Dark Surfac		e (ATT)		bleted Dark Surfac	. ,		ydrology must be present,
	Sandy Mucky Min	. ,				• •		sturbed or problematic.
	5 cm Mucky Peat			Rec	dox Depression	S (FO)	uniess dis	surbed of problematic.
	5 cm wucky Feat	or real (S	5)					
Postriative !	Layer (if observed)							
Type:	Layer (II observed)	<i>)</i> .						
						Hudrio	Sail Procent?	Yes X No
Depth (in.)						Hydric	Soil Present?	Yes X No
Demortica								
Remarks:								
HYDROLO	GY							
	drology Indicators							
	cators (minimum of		ired: checked all th	nat apply)			Second	ary Indicators (minimum of two required)
	urface water (A1)	0110 10 10 90			Stained Leaves	(B9)		face Soil Cracks (B6)
	gh Water Table (A2	n)	—		Fauna (B13)	(20)		linage patterns (B10)
	aturation (A3)	·)	—		quatic Plants (B	(14)		-Season Water table (C2)
	ater marks (B1)				en Sulfide Odo			wish Burrows (C8)
	ediment Deposits (B	32)			d Rhizospheres			uration Visible on Aerial Imagery (C9)
	ift Deposits (B3)	-)		Presen	ce of Reduced	Iron (C4)		nted or Stressed Plants (D1)
	gal Mat or Crust (B4	4)			Iron Reduction			omorphic Position (D2)
	on Deposits (B5)	/			uck Surface (C7			C-Neutral Test (D5)
	undation Visible on	Aerial Imag	perv (B7)		or Well Data (D	,	<u></u>	
	arsely Vegetated C				Explain in Rem			
Field Observ	vations:							
Surface Wate		Yes	No X	Depths (in	ches):			
Water Table		Yes	No X	Depths (in		24		
Saturation Pr		Yes	No X	Depths (in	· · · · · · · · · · · · · · · · · · ·		Wetland Hydrology	Present? Yes X No
(includes cap				-1 (, , , , , , , , , , , , , , , , , , , ,	
(
Describe Red	corded Data (Strear	m gauge, n	nonitoring well, aeri	ial photos, p	revious inspect	tions), if availa	ble:	
	,		0					
Remarks:								

Project/Site: _ Jay County Property	City/Cour	nty: Portland/	Jay	Samp	le Date:	6/6/2024
Applicant/Owner: Jay County Development Corporation			State: IN	Samp	le Point:	T1P4
Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein	Section: 1	Fownship, Range	: Section 19: T23N, I	R14E		
Landform (hillslope, terrace, etc.): Plain		Local relief (cor	ncave, 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, expl	ain in Rem	narks.)	
Are Vegetation, Soil, or Hydrology	significantly of	disturbed? A	Are "Normal Circumstances"	" present?	Yes	X No
Are Vegetation , Soil , or Hydrology	naturally prob	plematic? (I	lf needed, explain any ansv	vers in Rer	marks.)	

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

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	Х	No No No	× ×	Is the Sampled Area Within a Wetland?	Yes	!	No	Х
Remarks: Upland old field									

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant <u>Species?</u>	Indicator <u>Status</u>	Dominance Test workshee	t:		
1				Number of Dominant Species That are OBL, FACW or FAC:		2	(A)
3. 4.				Total Number of Dominant Species Across All Strata:		4	(B)
5		= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC:		50	(A/B)
Sapling/Shrub Stratum (Plot size): 15-ft radius 1. <u>Cornus drummondii</u> 2.	10	X	FAC	Prevalence Index workshe Total % Cover of:		Multiply by:	
3				OBL species FACW species FAC species	x 1 = x 2 = x 3 =		_
5	10	= Total Cover		FACU species UPL species	x 4 = x 5 =		_
Herb Stratum (Plot size): 5-ft radius 1. <u>Toxicodendron radicans</u>	40	X	FAC	Column Totals: Prevalence Index = B/A			(B)
2. <u>Dipsacus fullonum</u> 3. <u>Melilotus officinalis</u>	30 20	X	FACU FACU	Hydrophytic Vegetation Inc Rapid Test for Hydr		ion	
4. Cornus drummondii	10		FAC	Dominance Test > 5	50%		
5 6 7 8 9.				Prevalence Index is Morphological Adap Remarks or on a se Problematic Hydrop	otations ¹ (Provide parate sheet)		n
9. 10		·		¹ Indicators of hydric soil and	wetland hydro	logy must be pres	sent,
Woody Vine Stratum (Plot size): 30-ft radius	100	= Total Cover		unless disturbed or problema Hydrophytic Vegetation Present?	Yes	No _x	
9 10		= Total Cover		-			
Remarks: (Include photo numbers here or on a se	parate shee	t.)		•			

(p ¥

SOIL								s	Sampling Point: T1P4
	cription: Describ	e to the d	epth needed to			or confirm th	ne absence of inc	dicators.)	
Depth	Matrix			Redox F		1 2	- <i>i</i>		
(inches)	Color (moist)	% 95	Color		Type ¹		Texture Silty Clay Lo		Remarks
0-10	10YR 4/2	90	10YR 4/6	5	<u> </u>	<u>M</u>			
10-24	10YR 4/2		10YR 4/6	10	С	M	Silty Clay Lo		
					<u> </u>				
					·			<u> </u>	
¹ Type: C=Co	oncentration, D=De	pletion RM	=Reduced Matrix	CS=Covere	d or Coated Sa	nd Grains ²	Location: PL=Pore	Lining M=Matrix	
Hydric Soil		protion, rai	needeed maan,	00 001010				r Problematic Hyd	Iric Soils ³ :
	Histosol (A1)			San	dy Gleyed mat	rix (S4)		oast Prairie Redo	
	Histic Epipedon (A2)			dy Redox (S5)		Da	ark Surface (S7)	
	Black Histic (A3)			Strip	oped Matrix (Se	6)	Irc	on-Manganese M	asses (F12)
	Hydrogen Sulfide	(A4)		Loa	my Mucky Mine		Ve	ery Shallow Dark	Surface (TF12)
	Stratified Layers	(A5)		Loa	my Gleyed Mat	trix (F2)	0	ther (Explain in R	emarks)
	2 cm Muck (A10)		e (A11)	Dep	leted matrix (F	3)			
	Depleted Below	Dark Surfac	e (A11)	Red	lox Dark Surfac	ce (F6)			phytic vegetation and
	Thick Dark Surface	. ,		Dep	leted Dark Sur	face (F7)		etland hydrology i	
	Sandy Mucky Mir			Red	lox Depression	s (F8)	ur	less disturbed or	problematic.
	5 cm Mucky Peat	or Peat (S	3)						
	Layer (if observed):							
Type:							0.11 0.00		
Depth (in.)						Hydric	Soil Present?	Yes X	No
Remarks:									
HYDROLO Wetland Hy	GY drology Indicators								
	cators (minimum of		ired: checked all th	hat apply)				Secondary Indicate	ors (minimum of two required)
	urface water (A1)				Stained Leaves	(B9)		Surface Soil C	
Hi	gh Water Table (A2	2)			Fauna (B13)			Drainage patt	erns (B10)
	aturation (A3)				uatic Plants (B		_		Vater table (C2)
	ater marks (B1)		_		en Sulfide Odor			Crayfish Burro	
	ediment Deposits (E	32)	_	Oxidize	d Rhizospheres	s on Living roo	ts (C3)		sible on Aerial Imagery (C9) ressed Plants (D1)
	ift Deposits (B3) gal Mat or Crust (B	4)	_		Iron Reduction		(C6)	Geomorphic F	
	on Deposits (B5)		—		ick Surface (C7		(00)	FAC-Neutral	
	undation Visible on	Aerial Imag	perv (B7)		or Well Data (D		_		
	parsely Vegetated (Other (E	Explain in Rema	arks)			
Field Obser				5					
Surface Wate Water Table		Yes		Depths (in					
Saturation P		Yes Yes	No <u></u> NoX	Depths (inc Depths (inc			Wetland Hy	drology Present?	Yes No X
(includes car		163		Deptils (in	<u> 2</u>		wettand my	alology i resenti	
(sinal y milgo)								
Describe Re	corded Data (Strea	m gauge, n	nonitoring well, aer	rial photos, p	revious inspect	tions), if availal	ble:		
Remarks:									

Project/Site: _ Jay County Property	City/Coun	ty: Portland/Ja	ay	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: 1	Township, Range:	Section 19: T23N, I	R14E	
Landform (hillslope, terrace, etc.): Depression		Local relief (conc	ave, 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, expl	ain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly d	listurbed? Are	e "Normal Circumstances"	" present? Yes	X No
Are Vegetation , Soil , or Hydrology	naturally prob	olematic? (If	needed, explain any answ	vers in Remarks.)	

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

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	X X X	No No No	Is the Sampled Area Within a Wetland?	Yes	X	No	
Remarks: Section I – Forested we	tland							

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant Species?	Indicator <u>Status</u>	Dominance Test worksheet:			
1. <u>Populus deltoides</u> 2.	10	<u> </u>	FAC	Number of Dominant Species That are OBL, FACW or FAC:		6	(A)
3				Total Number of Dominant Species Across All Strata:		6	(B)
5.	10	= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC:		100	(A/B)
Sapling/Shrub Stratum (Plot size): 15-ft radius				Prevalence Index worksheet:			
1. Cornus drummondii	50	X	FAC	Total % Cover of:		Multiply by:	
2. Fraxinus pennsylvanica	40	X	FACW	OBL species	x 1 =		
3.				FACW species	x 2 =		
4.				FAC species	x 3 =		
5				FACU species	x 4 =		!
	90	= Total Cover		UPL species	x 5 =		
Herb Stratum (Plot size): 5-ft radius	·			Column Totals:	(A)		(B)
1. Glyceria striata	40	Х	OBL	Prevalence Index = B/A =	_ ` `		_ ` ´
2. Agrimonia parviflora	15	Х	FACW	Hydrophytic Vegetation Indicate	ors:		
3. Carex vulpinoidea	15	Х	FACW	Rapid Test for Hydrophyt	ic Vegetat	ion	
4. Cornus drummondii	10		FAC	X Dominance Test > 50%	0		
5. Fraxinus pennsylvanica	10		FACW	Prevalence Index is ≤ 3.0	1		
6. Vernonia gigantea	5		FAC	Morphological Adaptation	is ¹ (Provid	e supporting data i	n
7. Scirpus pendulus	5		OBL	Remarks or on a separat	e sheet)		
8.				Problematic Hydrophytic	Vegetatior	n ¹ (Explain)	
9.							
10				¹ Indicators of hydric soil and wetla	ind hydrol	logy must be pres	ent,
				unless disturbed or problematic.			
	100	= Total Cover		Hydrophytic			
Woody Vine Stratum (Plot size): 30-ft radius		-		Vegetation Yes		No	
				Present?	X		
9				4			
10				4			
		= Total Cover					
				1			
Remarks: (Include photo numbers here or on a sep	parate shee	t.)					

US Army Corps of Engineers

SOIL								Sampling Point: T1P5
		e to the de	epth needed to d			or confirm th	he absence of indicator	
Depth	Matrix			Redox F			_	
(inches)	Color (moist)	%	Color	%	Type ¹	Loc ²	Texture	Remarks
0-12	10YR 4/1	90	10YR 4/6	10	С	M	Silty Clay Loam	
12-24	10YR 5/1	90	10YR 4/6	10	С	M	Silty Clay Loam	
			·					
·			·					
¹ Type ⁻ C=Co	oncentration, D=Dep	pletion RM	=Reduced Matrix (CS=Covered	d or Coated Sa	nd Grains ²	Location: PL=Pore Lining,	M=Matrix
Hydric Soil I		Jouon, run						ematic Hydric Soils ³ :
	Histosol (A1)			San	dy Gleyed matr	ix (S4)		airie Redox (A16)
	Histic Epipedon (A	(2)			dy Redox (S5)		Dark Sur	
	Black Histic (A3)				oped Matrix (S6	3		ganese Masses (F12)
	Hydrogen Sulfide	(Δ4)			my Mucky Mine	,		llow Dark Surface (TF12)
	Stratified Layers (. ,		Loa		. ,		plain in Remarks)
		HJ)		Loa	my Gleyed Mat			
	2 cm Muck (A10)		X (A11)	Dep	leted matrix (F3	,	31	f hander a hadie and - tiene and
	Depleted Below D		e (A11)		ox Dark Surfac	. ,		rs of hydrophytic vegetation and
	Thick Dark Surfac	. ,			leted Dark Surf	. ,		hydrology must be present,
	Sandy Mucky Min			Red	ox Depressions	s (F8)	unless di	sturbed or problematic.
	5 cm Mucky Peat	or Peat (S3	5)					
	ayer (if observed)	:						
Type:								
Depth (in.)						Hydric	Soil Present?	Yes X No
Remarks:								
ł								
	CV							
HYDROLO								
	drology Indicators		معطر مام مارمط مال فام	ot opply)			Casand	any Indiantary (minimum of two required)
	ators (minimum of o	one is requ	red; checked all the			(DO)		ary Indicators (minimum of two required)
	Irface water (A1)	`			Stained Leaves	(B9)		rface Soil Cracks (B6)
	gh Water Table (A2))			Fauna (B13)			ainage patterns (B10)
	ituration (A3)				uatic Plants (B			/-Season Water table (C2)
	ater marks (B1)				en Sulfide Odor			ayfish Burrows (C8)
	diment Deposits (B	2)			d Rhizospheres			turation Visible on Aerial Imagery (C9)
	ift Deposits (B3)				ce of Reduced I			inted or Stressed Plants (D1)
	gal Mat or Crust (B4	l)			Iron Reduction			omorphic Position (D2)
Iro	n Deposits (B5)				ick Surface (C7		<u> X </u> FA	C-Neutral Test (D5)
	undation Visible on A				or Well Data (D			
Sp	arsely Vegetated C	oncave Su	rface (B8)	Other (E	Explain in Rema	arks)		
Field Observ								
Surface Wate		Yes	<u>No X</u>	Depths (ind				
Water Table	Present?	Yes	<u>No X</u>	Depths (ind		4		
Saturation Pr	resent?	Yes	<u>No X</u>	Depths (ind	ches): <u>0</u>		Wetland Hydrolog	y Present? Yes <u>X</u> No
(includes cap	oillary fringe)							
Describe Rec	corded Data (Stream	n gauge, m	onitoring well, aeria	al photos, p	revious inspecti	ions), if availa	ible:	
Remarks:								

	ty Property	City/Coun	ity: <u>Portlan</u>		Sample Date:		6/6/2024
Applicant/Owner: Jay	County Development Corporation			State: IN	Samp	le Point:	T1P6
Investigator(s): Ashl	ee N. Nichter, Katelyn L. Gutwein	Section: T	ownship, Rang	ge: Section 19: T23N, I	R14E		
Landform (hillslope, terrac	e, etc.): Plain		Local relief (c	oncave, 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 cor	nditions on the site typical for this time of year?	Yes X	No	(If no, expl	lain in Rem	arks.)	
Are Vegetation	, Soil, or Hydrology	significantly d	listurbed?	Are "Normal Circumstances"	" present?	Yes	X No
Are Vegetation	, Soil , or Hydrology	naturally prob	lematic?	(If needed, explain any answ	wers in Ren	narks.)	

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

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	Х	No No No	X X	Is the Sampled Area Within a Wetland?	Yes	No	X
Remarks: Upland shrubby old field	l							

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. 2.				Number of Dominant Species That are OBL, FACW or FAC:		1	(A)
3				Total Number of Dominant Species Across All Strata:		4	(B)
5		= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC:		25	(A/B)
Sapling/Shrub Stratum (Plot size): 15-ft radius 1. Cornus drummondii	20	х	FAC	Prevalence Index worksheet: Total % Cover of:		Multiply by:	
2. Rosa carolina	10	X	FACU	OBL species	x 1 =		
3. Fraxinus pennsylvanica	5		FACW	FACW species	x 2 =		-
4.			-	FAC species	x 3 =		_
5.				FACU species	x 4 =		—
	35	= Total Cover		UPL species	x 5 =		
Herb Stratum (Plot size): 5-ft radius				Column Totals:	(A)		(B)
1. Solidago canadensis	40	Х	FACU	Prevalence Index = B/A =	=		_
2. Eupatorium altissimum	20	Х	FACU	Hydrophytic Vegetation Indic	ators:		
3. Lotus corniculatus	10		FACU	Rapid Test for Hydrop	hytic Vegetat	ion	
4. Cornus racemosa	10		FAC	Dominance Test > 50%	%		
5. Dipsacus fullonum	10		FACU	Prevalence Index is ≤	3.0 ¹		
6. Apocynum cannabinum	5		FAC	Morphological Adapta	tions ¹ (Provid	e supporting data ir	1 I
7. Carex molesta	5		FAC	Remarks or on a sepa	rate sheet)		
8.				Problematic Hydrophy	tic Vegetation	n ¹ (Explain)	
9		·		¹ Indicators of hydric soil and we	etland hydro	logy must be pres	ent,
		· · · · · · · · · · · · · · · · · · ·		unless disturbed or problemation		0, 1	,
Woody Vine Stratum (Plot size): 30-ft radius	100	_ = Total Cover		Hydrophytic Vegetation Present?	/es	No X	
9				1			
10				1			
		= Total Cover					
Remarks: (Include photo numbers here or on a ser	parate shee	t.)		1			

(1 e pi эp

SOIL								Sa	mpling Point: T1I	P6
		e to the d	lepth needed to			or confirm th	e absence of indi	cators.)		
Depth	Matrix				Features					
(inches)	Color (moist)	<u>%</u> 95	Color	%	Type ¹	Loc ²	Texture		Remarks	
0-9	10YR 5/2		10YR 4/6	5	<u> </u>	M	Silty Clay Loar	<u>n</u>		
9-24	10YR 4/2	95	10YR 4/6	5	С	M	Silty Clay Loar	<u>n</u>		
<u> </u>										
		olation DM	- Doducod Motrix	CE-Cover	ad ar Coatad Sc	and Croine 2	Location: PL=Pore I	ining M-Motrix		
Hydric Soil	oncentration, D=De	pletion, Riv	I=Reduced Math	x, CS=Covere	ed of Coaled Sa	and Grains.		Problematic Hydr	ic Soils ^{3.}	
Tryanc Son	Histosol (A1)			Sa	ndy Gleyed mat	trix (S4)		ast Prairie Redox		
	Histic Epipedon (/	42)			ndy Redox (S5)			k Surface (S7)	(7110)	
	Black Histic (A3)	,			ipped Matrix (S			-Manganese Ma	sses (F12)	
	Hydrogen Sulfide	(A4)			amy Mucky Min	,		y Shallow Dark S		
	Stratified Layers (Loa	amy Gleyed Ma			er (Explain in Re		
	2 cm Muck (A10)	,	X		pleted matrix (F					
	Depleted Below D	ark Surfac	e (A11)	Re	dox Dark Surfac	,	³ Inc	licators of hydrop	hytic vegetation a	and
	Thick Dark Surfac	e (A12)	· · ·		pleted Dark Sur	. ,		land hydrology m		
	Sandy Mucky Min	eral (S1)			dox Depression	• •		ess disturbed or p		
	5 cm Mucky Peat		3)		•	()		·		
Restrictive	Layer (if observed):								
Type:										
Depth (in.)						Hydric	Soil Present?	Yes X	No	
Remarks:										
HYDROLO										
	drology Indicators									
	cators (minimum of	one is requ	uired; checked all		Stained Lagua	(P0)			s (minimum of two	required)
	urface water (A1) igh Water Table (A2	n -	-		Stained Leaves c Fauna (B13)	(B9)		 Surface Soil Cr Drainage patter 		
	aturation (A3)	.)	-		quatic Plants (E	214)		Dry-Season Wa		
	ater marks (B1)		-		gen Sulfide Odo			Crayfish Burrow		
	ediment Deposits (E	(2)	-		ed Rhizosphere		ts (C3)		ble on Aerial Image	erv (C9)
	rift Deposits (B3)	-)	-	Preser	nce of Reduced	Iron (C4)			ssed Plants (D1)	
	gal Mat or Crust (B	4)	-		t Iron Reduction		(C6)	Geomorphic Po		
	on Deposits (B5)	,	-		uck Surface (C			FAC-Neutral Te	est (D5)	
In	undation Visible on	Aerial Ima	gery (B7)	Gauge	or Well Data (D) 9)		-	. ,	
Sp	parsely Vegetated C	Concave St	urface (B8)	Other (Explain in Rem	arks)				
Field Obser	vations:									
Surface Wat		Yes	<u>No X</u>	Depths (ir						
Water Table		Yes	<u>No X</u>	Depths (ir						
Saturation P		Yes	<u>No X</u>	Depths (ir	nches): <u>>2</u>	24	Wetland Hyd	rology Present?	Yes I	No <u>X</u>
(includes cap	pillary fringe)									
Describe De	aardad Data (Straa			arial phatas		tiona) if availa	blai			
Describe Re	corded Data (Stream	n gauge, n	nonitoring well, a	eriai photos, j	previous inspec	tions), if availa	DIE:			
Remarks:										

Project/Site: _ Jay County Property	City/Cour	ty: 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: 1	Township, Range	: Section 19: T23N, I	R14E	
Landform (hillslope, terrace, etc.): Depression		Local relief (cor	ncave, 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, expl	ain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly of	listurbed?	Are "Normal Circumstances"	" present? Yes	X No
Are Vegetation , Soil , or Hydrology	naturally prob	olematic? (If needed, explain any answ	vers in Remarks.)	

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

Hydrophytic Vegetation Present? Hydric Soil Present?	Yes Yes	X	No No	Is the Sampled Area	Yes X	No	
Wetland Hydrology Present?	Yes	X	No	Within a Wetland?		NO	
Remarks: Section I – Forested We	etland						

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant Species?	Indicator <u>Status</u>	Dominance Test worksheet:			
Fraxinus pennsylvanica Z.	20	X	FACW	Number of Dominant Species That are OBL, FACW or FAC:		6	(A)
3				Total Number of Dominant Species Across All Strata:		6	(B)
5	20	= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC:		100	(A/B)
Sapling/Shrub Stratum (Plot size): 15-ft radius		N.	54.014	Prevalence Index worksheet:			
1. Fraxinus pennsylvanica	<u> </u>	<u> </u>	FACW FAC	Total % Cover of:	. 1	Multiply by:	
2. <u>Cornus drummondii</u> 3.	20	<u> </u>	FAC	OBL species	- x 1 = x 2 =		
4				FAC v species	$- x^2 = x^3 =$		_
5.				FACU species	- x 4 =		-
· · · · · · · · · · · · · · · · · · ·	· · · · ·			UPL species			-
	70	= Total Cover		•	_		
Herb Stratum (Plot size): 5-ft radius			540	Column Totals:	(A)		(B)
1. <u>Sanicula odorata</u>	20	<u> </u>	FAC FAC	Prevalence Index = B/A =			
Carex molesta Agrimonia parviflora	15	<u> </u>	FAC	Hydrophytic Vegetation Indicate			
, iginitoria partinora	<u> </u>	<u> </u>	FACW	Rapid Test for Hydrophyti X Dominance Test > 50%	c vegetat	ion	
4. <u>Symphyotrichum lateriflorum</u> 5. Apocynum cannabinum	10		FACT	A Dominance Test > 50% Prevalence Index is ≤ 3.0	1		
6. Carex radiata	5		FAC				_
7. Carva laciniosa	5		FACW	Morphological Adaptation Remarks or on a separate		e supporting data ir	1
8. Ulmus americana	5		FACW	Problematic Hydrophytic		n ¹ (Explain)	
9. Toxicodendron radicans	5		FAC		regetation		
10				¹ Indicators of hydric soil and wetla	nd hydrol	loav must be pres	ent
				unless disturbed or problematic.	na nyaro	logy made be prod	ont,
	90	= Total Cover		Hydrophytic			
Woody Vine Stratum (Plot size): 30-ft radius	30			Vegetation			
				Present? Yes	Х	No	
9.							
10				1			
		= Total Cover		1			
		_					
Remarks: (Include photo numbers here or on a sep	parate sheet	t.)					

US Army Corps of Engineers

SOIL								Sampling Point: T1P7
		e to the d	epth needed to c			or confirm th	ne absence of indicator	
Depth	Matrix	~ ~ ~		Redox F			- .	_
(inches)	Color (moist)	<u>%</u> 95	Color		Type ¹		Texture	Remarks
0-14	10YR 4/2	90	10YR 4/6	5	<u> </u>	<u>M</u>	Silty Clay	
14-24	10YR 4/1		10YR 4/6	10	С	Μ	Silty Clay	
						. <u> </u>		
	. <u></u> .					. <u> </u>		
	oncentration, D=Der	oletion RM	-Reduced Matrix	CS-Covere	d or Coated Sa	nd Grains ²	Location: PL=Pore Lining	M–Matrix
Hydric Soil								ematic Hydric Soils ³ :
	Histosol (A1)			San	dy Gleyed mati	rix (S4)		airie Redox (A16)
	Histic Epipedon (A	42)			dy Redox (S5)			face (S7)
	Black Histic (A3)	,			oped Matrix (S6			iganese Masses (F12)
	Hydrogen Sulfide	(A4)			my Mucky Mine	,		allow Dark Surface (TF12)
	Stratified Layers (À5)		Loa	my Gleyed Mat			xplain in Remarks)
	2 cm Muck (A10)		e (A11)	Dep	leted matrix (F:			·
	Depleted Below D	ark Surfac	e (A11)	Red	lox Dark Surfac		³ Indicato	rs of hydrophytic vegetation and
	Thick Dark Surfac	e (A12)	· · ·	Dep	leted Dark Surf	face (F7)		hydrology must be present,
	Sandy Mucky Min	eral (S1)		Red	lox Depressions	s (F8)	unless d	sturbed or problematic.
	5 cm Mucky Peat	or Peat (S	3)	_		. ,		
	_ayer (if observed)):						
Туре:								
Depth (in.)				_		Hydric	Soil Present?	Yes X No
Remarks:								
1								
	CV							
HYDROLO Wotland Hy	drology Indicators							
	ators (minimum of		ired: checked all th	nat apply)			Second	lary Indicators (minimum of two required)
	Inface water (A1)				Stained Leaves	(B9)		Inface Soil Cracks (B6)
	gh Water Table (A2	2)			Fauna (B13)	(20)		ainage patterns (B10)
	aturation (A3)	/	_		uatic Plants (B	14)		y-Season Water table (C2)
	ater marks (B1)				en Sulfide Odor			ayfish Burrows (C8)
Se	ediment Deposits (B	32)		Oxidize	d Rhizospheres	s on Living roo		turation Visible on Aerial Imagery (C9)
Dr	ift Deposits (B3)			Presend	ce of Reduced I	Iron (C4)	St	unted or Stressed Plants (D1)
	gal Mat or Crust (B4	4)			Iron Reduction			eomorphic Position (D2)
	on Deposits (B5)		_		uck Surface (C7		<u> X </u> FA	C-Neutral Test (D5)
	undation Visible on				or Well Data (D			
Sp	parsely Vegetated C	Concave Su	Irface (B8)	Other (I	Explain in Rema	arks)		
Field Ober								
Field Observ Surface Wate		Yes	No Y	Depths (in	choc):			
Water Table		Yes	<u>No X</u> No X	Depths (in		24		
Saturation Pr		Yes		Depths (in			Wetland Hydrolog	y Present? Yes <u>X</u> No
(includes cap		163		Deptilis (ill	ciles). <u>-2</u>	.+	wedalia riyarolog	
(includes cap	mary mige)							
Describe Red	corded Data (Strear	m gauge, m	nonitoring well, aeri	ial photos, p	revious inspect	ions), if availa	ble:	
Remarks:								
Remarks.								
					-			

	ty Property	City/Cour	nty: <u>Portland</u>	d/Jay	Sample	Date:	6/6/2024
Applicant/Owner: Jay	County Development Corporation			State: IN	Sample	Point:	T1P8
Investigator(s): Ash	lee N. Nichter, Katelyn L. Gutwein	Section:	Township, Rang	e: Section 19: T23N, I	R14E		
Landform (hillslope, terrac	e, etc.): Drain		Local relief (co	oncave, 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 co	nditions on the site typical for this time of year?	Yes X	No	(If no, expl	lain in Rema	rks.)	
Are Vegetation	, Soil , or Hydrology	significantly of	disturbed?	Are "Normal Circumstances"	" present?	Yes	X No
Are Vegetation	, Soil , or Hydrology	naturally prot	olematic?	(If needed, explain any answ	wers in Rema	arks.)	

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

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	X X X	No No No	Is the Sampled Area Yes No _X						
	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 <u>% Cover</u>	Dominant <u>Species?</u>	Indicator Status	Dominance Test worksheet:			
1				Number of Dominant Species That are OBL, FACW or FAC:		2	(A)
3				Total Number of Dominant Species Across All Strata:		3	(B)
5		= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC:		67	(A/B)
Sapling/Shrub Stratum (Plot size): 15-ft radius 1. 2.				Prevalence Index worksheet: Total % Cover of: OBL species	x 1 =	Multiply by:	
3				FACW species	$\frac{x}{x^2} = \frac{x}{x^2}$		_
4.				FAC species	x 3 =		_
5.				FACU species	x 4 =		
		= Total Cover		UPL species	x 5 =		
Herb Stratum (Plot size): 5-ft radius				Column Totals:	(A)		(B)
1. Fraxinus pennsylvanica	10	х	FACW	Prevalence Index = $B/A =$	_ ()		_ ` ′
2. Galium aparine	5	Х	FACU	Hydrophytic Vegetation Indicate	ors:		
3. Glyceria striata	5	Х	OBL	Rapid Test for Hydrophyt	ic Vegetat	ion	
4.				X Dominance Test > 50%			
5				Prevalence Index is ≤ 3.0) ¹		
6.		. <u> </u>		Morphological Adaptation	ns ¹ (Provid	e supporting data i	۱
7.				Remarks or on a separat	,		
8.				Problematic Hydrophytic	Vegetatio	n¹ (Explain)	
9							
10				¹ Indicators of hydric soil and wetla	and hydro	logy must be pres	ent,
				unless disturbed or problematic.			
	20	= Total Cover		Hydrophytic			
Woody Vine Stratum (Plot size): 30-ft radius				Vegetation Yes	X	No	
9.				Fresent?			
9 10							
		= Total Cover					
Remarks: (Include photo numbers here or on a sep	parate shee	t.)					

SOIL								Sampling Point: T1P8
Profile Des	cription: Describe	e to the d	lepth needed to a	document t	he indicator o	or confirm th	e absence of indicators.)
Depth	Matrix		•	Redox F	eatures			
(inches)	Color (moist)	%	Color	%	Type ¹	Loc ²	Texture	Remarks
0-10	10YR 4/2	95	10YR 4/6	5	С	М	Silty Clay Loam	
10-16	10YR 5/2	95	10YR 5/6	5	С	М	Silty Clay Loam	
16-24	10YR 5/1	95	10YR 5/6	5	С	М	Silty Clay Loam	
				·				
				·			·	
¹ Type: C=C	oncentration, D=Dep	letion RM	-Reduced Matrix	CS-Covered	d or Coated Sa	nd Grains ²	Location: PL=Pore Lining, N	1-Matrix
Hydric Soil			i=iteuuceu matrix,				Indicators for Problem	
Tryanc Son	Histosol (A1)			San	dy Gleyed matr	iv (S4)		rie Redox (A16)
	Histic Epipedon (A	2)				IX (34)	Dark Surfa	
	Black Histic (A3)	Z)			dy Redox (S5)	`		
	. ,	()			pped Matrix (S6			anese Masses (F12)
	Hydrogen Sulfide	. ,			my Mucky Mine			bw Dark Surface (TF12)
	Stratified Layers (A	45)		Loai	my Gleyed Mat		Other (Exp	lain in Remarks)
	2 cm Muck (A10)		X		leted matrix (F3	,	2	
	Depleted Below Da		e (A11)		ox Dark Surfac	. ,	³ Indicators	of hydrophytic vegetation and
	Thick Dark Surface	. ,			leted Dark Surf	. ,		drology must be present,
	Sandy Mucky Mine	. ,		Red	ox Depressions	s (F8)	unless dist	urbed or problematic.
	5 cm Mucky Peat	or Peat (S	3)					
Restrictive	Layer (if observed)							
Type:								
Depth (in.)						Hydric	Soil Present? Y	res X No
						-		
Remarks:								
HYDROLC								
	drology Indicators:							
	cators (minimum of c	one is requ	uired; checked all th					y Indicators (minimum of two required)
	urface water (A1)				stained Leaves	(B9)		ace Soil Cracks (B6)
	igh Water Table (A2)				Fauna (B13)			nage patterns (B10)
X Si	aturation (A3)			True Aq	uatic Plants (B'	14)	Dry-S	Season Water table (C2)
W	/ater marks (B1)				en Sulfide Odor			fish Burrows (C8)
S	ediment Deposits (B2	2)			d Rhizospheres		ts (C3) Satu	ration Visible on Aerial Imagery (C9)
	rift Deposits (B3)				e of Reduced I			ted or Stressed Plants (D1)
A	Igal Mat or Crust (B4)		Recent	Iron Reduction	in Tilled Soils	(C6) Geor	morphic Position (D2)
	on Deposits (B5)			Thin Mu	ick Surface (C7)	X FAC	-Neutral Test (D5)
In	undation Visible on /	Aerial Ima	gery (B7)	Gauge	or Well Data (D	9)		
S	parsely Vegetated C	oncave Si	urface (B8)	Other (E	Explain in Rema	arks)		
Field Obser	vations:							
Surface Wat	er Present?	Yes	No X	Depths (ind	ches):			
Water Table	Present?	Yes	No X	Depths (ind	ches):			
Saturation P	resent?	Yes	X No	Depths (ind	ches): 0		Wetland Hydrology	Present? Yes X No
(includes ca	pillary fringe)				· ·			
-								
Describe Re	corded Data (Strean	n gauge, r	nonitoring well, aer	ial photos, p	revious inspecti	ions), if availat	ole:	
Remarks:								
Delineated	at the ordinary high	water m	ark (OHWM), 8 in	ches above	the flow line.,	Defined bed	and bank.	

Project/Site: Jay Coun	ty Property	City/Cour	nty: Portla	nd/Jay	Samp	le Date:	6/6/2024
Applicant/Owner: Jay	County Development Corporation			State: IN	Samp	le Point:	T1P9
Investigator(s): Ash	lee N. Nichter, Katelyn L. Gutwein	Section: 7	Fownship, Ran	ge: Section 19: T23N,	R14E		
Landform (hillslope, terrac	e, 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 cor	nditions on the site typical for this time of year?	Yes X	No	(If no, exp	lain in Rem	arks.)	
Are Vegetation	, Soil, or Hydrology	significantly of	listurbed?	Are "Normal Circumstances	s" present?	Yes	X No
Are Vegetation	, Soil , or Hydrology	naturally prob	plematic?	(If needed, explain any ans	wers in Rer	narks.)	

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

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

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant Species?	Indicator <u>Status</u>	Dominance Test worksheet:				
1. Quercus rubra	40	X	FACU	Number of Dominant Species		(A)		
2. Quercus alba	20	X	FACU	That are OBL, FACW or FAC:	1	(/ ()		
 <u>Celtis occidentalis</u> <u>-</u> 	20	<u> </u>	FAC	Total Number of Dominant Species Across All Strata:	6	(B)		
5.	80	= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC:	17	(A/B)		
Sapling/Shrub Stratum (Plot size): 15-ft radius 1. Lonicera tatarica	50	X	FACU	Prevalence Index worksheet: Total % Cover of: OBL species	Multiply by x 1 =	<i>r</i> :		
3.				FACW species	x 2 =			
4.				FAC species	x 3 =			
5.				FACU species	x 4 =			
		Tatal Osuan		UPL species	x 5 =			
	50	= Total Cover		•	(4)	(D)		
<u>Herb Stratum</u> (Plot size): 5-ft radius	00	X	FACU	Column Totals:	(A)	(B)		
Lonicera tatarica Circaea canadensis	<u>20</u> 20	<u> </u>	FACU	Prevalence Index = B/A = Hydrophytic Vegetation Indica	4.0			
3. Sanicula odorata	10		FACO	, , , ,				
4. Toxicodendron radicans	5		FAC	Rapid Test for Hydroph Dominance Test > 50%				
5. Rosa multiflora	5		FACU	Prevalence Index is ≤ 3				
6.			17.00			a data in		
7.				Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)				
8.				Problematic Hydrophyti				
9.				• • • • • • • • • • • • • • • •				
10				¹ Indicators of hydric soil and wet	tland hydrology must b	pe present,		
				unless disturbed or problematic.				
Woody Vine Stratum (Plot size): 30-ft radius	60	= Total Cover		Hydrophytic		No <u>X</u>		
9.				4				
10		= Total Cover						

SOIL								Sampling Point: T1P9
Profile Desc	cription: Describe	e to the dep	th needed to d	ocument the	indicator or	confirm the al	bsence of indicato	rs.)
Depth	Matrix			Redox Fea	tures			
(inches)	Color (moist)	%	Color	%	Type ¹	Loc ²	Texture	Remarks
0-4	10YR 2/1	100					Loam	
4-							Cobblestone	
					·			
¹ Type: C=Co	ncentration, D=Dep	letion RM-	Reduced Matrix (S-Covered o	r Coated Sand	Grains ² Loca	ation: PL=Pore Lining	n M-Matrix
Hydric Soil I								lematic Hydric Soils ³ :
nyane oon n	Histosol (A1)			Sandy	Gleyed matrix			rairie Redox (A16)
	Histic Epipedon (A	(2)			Redox (S5)			Inface (S7)
	Black Histic (A3)	(2)			. ,	-		nganese Masses (F12)
		())			ed Matrix (S6)	(54)		allow Dark Surface (TF12)
	Hydrogen Sulfide			_ `	Mucky Mineral	· · · —		· · · · ·
———	Stratified Layers (45)			Gleyed Matrix	(F2)		Explain in Remarks)
	2 cm Muck (A10)		· · · · ·		ed matrix (F3)		2	
	Depleted Below D		A11)	-	Dark Surface (,		ors of hydrophytic vegetation and
	Thick Dark Surfac	. ,			ed Dark Surfac	. ,		hydrology must be present,
	Sandy Mucky Min	• •		Redox	Depressions (F	-8)	unless o	disturbed or problematic.
	5 cm Mucky Peat	or Peat (S3)						
Restrictive L	ayer (if observed).	:						
Type:				_		1		
Depth (in.)						Hydric Soil	Present?	Yes No X
				_				
Remarks: Soi	il appeared to be fill	material over	erlying cobbleston	e from the nea	arby railroad.			
HYDROLO	GY							
	Irology Indicators:							
	ators (minimum of o		d; checked all the	at apply)			Secon	dary Indicators (minimum of two required)
Su	rface water (A1)			Water-Stai	ined Leaves (B	9)	S	urface Soil Cracks (B6)
Hig	h Water Table (A2)		Aquatic Fa	una (B13)		D	rainage patterns (B10)
Sa	turation (A3)			True Aqua	tic Plants (B14)		D	ry-Season Water table (C2)
Wa	ater marks (B1)			Hydrogen	Sulfide Odor (C	1)	C	rayfish Burrows (C8)
Se	diment Deposits (B	2)		Oxidized F	Rhizospheres or	Living roots (C		aturation Visible on Aerial Imagery (C9)
Dri	ft Deposits (B3)			Presence	of Reduced Iror	n (C4)	S	tunted or Stressed Plants (D1)
Alg	gal Mat or Crust (B4)		Recent Iro	n Reduction in	Tilled Soils (C6)) <u> </u>	eomorphic Position (D2)
Iro	n Deposits (B5)			Thin Muck	Surface (C7)		F.	AC-Neutral Test (D5)
Inu	Indation Visible on A	Aerial Image	у (В7)	Gauge or V	Well Data (D9)			
Sp	arsely Vegetated C	oncave Surfa	ace (B8)	Other (Exp	lain in Remark	s)		
Field Observ								
Surface Wate		Yes	No X	Depths (inche			1	
Water Table I		Yes	<u>No X</u>	Depths (inche	·			
Saturation Pr		Yes	<u>No X</u>	Depths (inche	es):		Wetland Hydrolo	gy Present? Yes <u>No X</u>
(includes cap	illary fringe)							
					"			
Describe Rec	orded Data (Stream	n gauge, mo	nitoring well, aeria	al photos, prev	vious inspection	s), if available:		
Remarks:								
rtomanto.								
L								

Project/Site: Jay Count	City/Coun	ity: Portlan		Sample Date: Sample Point:		6/7/2024	
Applicant/Owner: Jay	County Development Corporation			State: IN		le Point:	T1P10
Investigator(s): Ashl	ee N. Nichter, Katelyn L. Gutwein	Section: T	ownship, Rang	ge: Section 19: T23N, I	R14E		
Landform (hillslope, terrace	e, etc.): Plain		Local relief (co	oncave, 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 cor	ditions on the site typical for this time of year?	Yes X	No	(If no, expl	lain in Rem	arks.)	
Are Vegetation	, Soil, or Hydrology	significantly d	listurbed?	Are "Normal Circumstances"	" present?	Yes	X No
Are Vegetation	, Soil , or Hydrology	naturally prob	lematic?	(If needed, explain any answ	wers in Rer	narks.)	

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

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

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant Species?	Indicator Status	Dominance Test worksheet:		
1. Quercus alba	40	X	FACU	Number of Dominant Species		(A)
2. Carya laciniosa	20	Х	FACW	That are OBL, FACW or FAC:	3	(A)
3. Quercus palustris	15		FACW	Total Number of Dominant		(B)
4. Aesculus glabra	15		FAC	Species Across All Strata:	6	(D)
5				Percent of Dominant Species		
	90	= Total Cover		That are OBL, FACW, or FAC:	50	(A/B)
Sapling/Shrub Stratum (Plot size): 15-ft radius				Prevalence Index worksheet:		
1. Cornus drummondii	15	Х	FAC	Total % Cover of:	Multiply by:	
2. Crataegus crus-galli	15	Х	FAC	OBL species	x 1 =	
3.				FACW species	x 2 =	
4.				FAC species	x 3 =	
5.				FACU species	x 4 =	
	30	= Total Cover		UPL species	x 5 =	
Herb Stratum (Plot size): 5-ft radius				Column Totals:	(A)	(B)
1. Parthenocissus quinquefolia	30	Х	FACU	Prevalence Index = B/A =		
2. Podophyllum peltatum	25	Х	FACU	Hydrophytic Vegetation Indicato	rs:	
3. Sanicula odorata	15		FAC	Rapid Test for Hydrophytic	c Vegetation	
4. Viola sororia	10		FACW	Dominance Test > 50%	-	
5. Persicaria virginiana	10		FAC	Prevalence Index is $\leq 3.0^{1}$		
6.					s1 (Provide supporting data	in
7.				Remarks or on a separate	sheet)	
8.				Problematic Hydrophytic \	/egetation ¹ (Explain)	
9				¹ Indicators of hydric soil and wetlar	nd hvdroloav must be pre	sent.
				unless disturbed or problematic.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,
	90	= Total Cover		Hydrophytic		
Woody Vine Stratum (Plot size): 30-ft radius				Vegetation Yes Present?	No	х
9.						~
10						
		= Total Cover				
Remarks: (Include photo numbers here or on a se						

(I e p ¥

SOIL								S	ampling Point: T1P10
		be to the d	epth needed to a			or confirm th	he absence of inc	dicators.)	
Depth	Matrix			Redox F					_
(inches)	Color (moist)	<u>%</u> 95	Color		Type ¹		Texture		Remarks
0-24	10YR 4/2		10YR 4/6	5	С	М	Silty Clay Loa	am	
	oncentration, D=De	nlation DM	-Doduced Metrix	CS-Covered	d or Cootod So	ad Craina 2	² Location: PL=Pore	Lining M-Motrix	
Hydric Soil I			=Reduced Matrix,	C3=C0vered		lu Glains.		r Problematic Hyd	ric Soils ³ :
	Histosol (A1)			San	dy Gleyed matr	ix (S4)		bast Prairie Redox	
	Histic Epipedon (A2)			dy Redox (S5)			ark Surface (S7)	
<u> </u>	Black Histic (A3)	/			oped Matrix (S6)		on-Manganese Ma	asses (F12)
	Hydrogen Sulfide	e (A4)		Loa	my Mucky Mine	·		ery Shallow Dark S	
	Stratified Layers	(A5)		Loa	my Gleyed Mat	. ,		ther (Explain in Re	. ,
	2 cm Muck (A10)		x	Dep	leted matrix (F3				
·	Depleted Below [Dark Surfac	e (A11)	Red	ox Dark Surfac	e (F6)	³ lr	ndicators of hydror	ohytic vegetation and
·	Thick Dark Surfa	ce (A12)		Dep	leted Dark Surf	ace (F7)	We	etland hydrology n	nust be present,
	Sandy Mucky Mir	neral (S1)		Red	ox Depressions	s (F8)	un	less disturbed or	problematic.
	5 cm Mucky Peat	t or Peat (S3	3)						
	_ayer (if observed	l):							
Type:	-								
Depth (in.)						Hydric	Soil Present?	Yes X	No
<u> </u>									
Remarks:									
HYDROLO	GY								
	drology Indicators								
	ators (minimum of		ired; checked all th	hat apply)			5	Secondary Indicato	rs (minimum of two required)
	Irface water (A1)				Stained Leaves	(B9)		Surface Soil C	
Hig	gh Water Table (A2	2)		Aquatic	Fauna (B13)			Drainage patte	
Sa	aturation (A3)			True Aq	uatic Plants (B	14)		Dry-Season W	ater table (C2)
	ater marks (B1)		_		en Sulfide Odor		_	Crayfish Burro	
	ediment Deposits (E	32)			d Rhizospheres		ots (C3)		ble on Aerial Imagery (C9)
	ift Deposits (B3)	0			e of Reduced I		(aa) —		essed Plants (D1)
	gal Mat or Crust (B	4)	_		Iron Reduction		(C6)	Geomorphic P	
	on Deposits (B5) undation Visible on	Assiste			ick Surface (C7		—	FAC-Neutral T	est (D5)
	barsely Vegetated (or Well Data (D Explain in Rema				
Sp	arsely vegetated (JUNCAVE SU				iiks)			
Field Observ	vations:								
Surface Wate		Yes	No X	Depths (ind	ches):				
Water Table	Present?	Yes	No X	Depths (ind		4			
Saturation Pr	resent?	Yes	No X	Depths (ind	ches): >2	4	Wetland Hy	drology Present?	Yes <u>No X</u>
(includes cap	oillary fringe)			-					
Describe Rec	corded Data (Strea	m gauge, m	onitoring well, aer	rial photos, p	revious inspecti	ions), if availa	ible:		
Remarks:									

Project/Site:Jay County Property	City/Coun	ty: 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: T	ownship, Range	: Section 19: T23N, I	R14E		
Landform (hillslope, terrace, etc.): Depression		Local relief (cor	ncave, 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, expl	ain in Remarks.)		
Are Vegetation, Soil, or Hydrology	significantly d	isturbed? A	Are "Normal Circumstances"	" present? Yes	X No	
Are Vegetation , Soil , or Hydrology	naturally prob	lematic? (If needed, explain any ansv	vers in Remarks.)		

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

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

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

SOIL								5	Sampling Point: T2P1
		e to the de	epth needed to d			or confirm th	ne absence of ind	icators.)	
Depth	Matrix			Redox F					
(inches)	Color (moist)	<u>%</u> 90	Color	%	Type ¹	Loc ²	Texture		Remarks
0-8	10YR 4/2	90	10YR 4/6	10	<u> </u>	<u>M</u>	Silty Clay Loa		
8-24	10YR 4/1		10YR 4/6	10	С	М	Silty Clay Loa	m	
	·			·	<u> </u>	<u> </u>			
	·			·	<u> </u>	<u> </u>			
	·			·	<u> </u>	<u> </u>			
	population D_Dor	lation DM	-Doduced Metrix	CS_Covered	d or Cootod So	ad Craina 2	Location: PL=Pore	Lining M-Motrix	
Hydric Soil I	ncentration, D=Dep		=Reduced Matrix,	CS=Covered	I OF COALEU SA	iu Giallis.		Problematic Hyd	tric Soile ³ .
	Histosol (A1)			San	dy Gleyed matr	ix (S4)		ast Prairie Redo	
	Histic Epipedon (A	(2)			dy Redox (S5)			rk Surface (S7)	(((10))
	Black Histic (A3)				oped Matrix (S6)		n-Manganese M	asses (F12)
	Hydrogen Sulfide	(A4)			my Mucky Mine	·		ry Shallow Dark	
	Stratified Layers (. ,			my Gleyed Mati	. ,		ner (Explain in R	. ,
	2 cm Muck (A10)	,	X	Dep	leted matrix (F3				omantoj
	Depleted Below D	ark Surface	× (A11)	Red	ox Dark Surfac	,	³ Inc	dicators of hydro	phytic vegetation and
	Thick Dark Surfac				leted Dark Surf	. ,			must be present,
	Sandy Mucky Min	. ,			ox Depressions	. ,		ess disturbed or	-
	5 cm Mucky Peat		s)		on Doprocolone	(problemater
	,		,						
Restrictive L	ayer (if observed)	:							
Туре:									
Depth (in.)						Hydric	Soil Present?	Yes >	K No
Remarks:									
ł									
1									
HYDROLO	GY								
	drology Indicators								
	ators (minimum of		red: checked all th	nat apply)			s	Secondary Indicate	ors (minimum of two required)
	Inface water (A1)				tained Leaves	(B9)		Surface Soil (
	gh Water Table (A2)			Fauna (B13)	(-)		Drainage patt	
	turation (A3)	/			uatic Plants (B	14)			Vater table (C2)
	ater marks (B1)				en Sulfide Odor			Crayfish Burr	
	diment Deposits (B	2)			d Rhizospheres		ts (C3)		sible on Aerial Imagery (C9)
	ift Deposits (B3)	,			e of Reduced I		. ,	Stunted or St	ressed Plants (D1)
Alg	gal Mat or Crust (B4	l)		Recent	Iron Reduction	in Tilled Soils	(C6) X	Geomorphic I	Position (D2)
Iro	n Deposits (B5)			Thin Mu	ck Surface (C7)	X	FAC-Neutral	Test (D5)
Inu	undation Visible on	Aerial Imag	ery (B7)	Gauge	or Well Data (D	9)			
	arsely Vegetated C			Other (E	Explain in Rema	arks)			
Field Observ									
Surface Wate		Yes	<u>No X</u>	Depths (ind	-				
Water Table		Yes	<u>No X</u>	Depths (ind	· · · · · · · · · · · · · · · · · · ·				
Saturation Pr		Yes	<u>No X</u>	Depths (ind	ches): <u>>2</u>	4	Wetland Hyd	drology Present	? Yes <u>X</u> No
(includes cap	oillary fringe)								
Describe Dec	arded Data (Stream		anitaring wall agri	al abotes a		iana) if availab	blai		
Describe Rec	corded Data (Strear	n gauge, m	unituring well, aen	iai priotos, p	levious inspecti	ions), ii avaliai	Die.		
Remarks:									

Project/Site: _ Jay County Property	City/Coun	ity: Portland/Ja	ау	Sample Date:		6/6/2024	
Applicant/Owner: Jay County Development Corporation			State: IN	Samp	le Point:	T2P2	
Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein	Section: T	ownship, Range:	Section 19: T23N, I	R14E			
Landform (hillslope, terrace, etc.): Plain		Local relief (conca	ave, 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, expl	ain in Rem	arks.)		
Are Vegetation, Soil, or Hydrology	significantly d	listurbed? Are	"Normal Circumstances	" present?	Yes	X No	
Are Vegetation , Soil , or Hydrology	naturally prob	olematic? (If r	needed, explain any ansv	vers in Rer	narks.)		

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

	Is the Sampled Area			
	Within a Wetland?	Yes	No	Х
Х				
	Х	X Within a Wetland?	X Within a Wetland?	X Within a wetland?

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant Species?	Indicator <u>Status</u>	Dominance Test worksheet:		
Platanus occidentalis 2.	10	<u> </u>	FACW	Number of Dominant Species That are OBL, FACW or FAC:	2	(A)
3				Total Number of Dominant Species Across All Strata:	5	(B)
5	10	= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC:	40	(A/B)
Sapling/Shrub Stratum (Plot size): 15-ft radius 1. Cornus drummondii	35	х	FAC	Prevalence Index worksheet: Total % Cover of:	Multiply by:	
2. Juniperus virginiana	10	Х	FACU	OBL species	x 1 =	
3. Fraxinus pennsylvanica	5		FACW	FACW species	x 2 =	
4.				FAC species	x 3 =	
5.				FACU species	x 4 =	
	50	= Total Cover		UPL species	x 5 =	
Herb Stratum (Plot size): 5-ft radius				Column Totals:	(A)	(B)
1. Dipsacus fullonum	25	Х	FACU	Prevalence Index = B/A =		()
2. Eupatorium altissimum	20	X	UPL	Hydrophytic Vegetation Indicat	ors:	
3. Apocynum cannabinum	15		FAC	Rapid Test for Hydrophy	tic Vegetation	
4. Agrimonia parviflora	10		FACW	Dominance Test > 50%	0	
5. Toxicodendron radicans	10		FAC	Prevalence Index is ≤ 3.	0 ¹	
6.					ns1 (Provide supporting dat	ta in
7.				Remarks or on a separa	te sheet)	
8.				Problematic Hydrophytic	Vegetation ¹ (Explain)	
9		·				
10				¹ Indicators of hydric soil and wetl	and hydrology must be p	resent,
		T () O		unless disturbed or problematic.		
Woody Vine Stratum (Plot size): 30-ft radius	80	_ = Total Cover		Hydrophytic Vegetation Ye Present?	s <u>No</u>	х
9				4		
10		= Total Cover				

SOIL								Sa	mpling Point: T2P2	
		e to the d	epth needed to o			or confirm th	ne absence of indi			
Depth	Matrix	0/		Redox F		1 2	- .		Dam. 1	
(inches)	Color (moist)	<u>%</u> 90	Color	%	Type ¹		Texture		Remarks	
0-8	10YR 4/2	95	10YR 4/6	10	<u> </u>	M	Silty Clay Loan			
8-24	10YR 4/1		10YR 4/6	5	С	Μ	Silty Clay Loan	n		
					······					
<u> </u>										
¹ Type: C=Cc	oncentration, D=De	nletion RM	-Reduced Matrix	CS=Covere	d or Coated Sa	nd Grains ²	Location: PL=Pore L	ining M=Matrix		
Hydric Soil			i=reddeed matrix,					Problematic Hydri	c Soils ³ :	
.,	Histosol (A1)			San	dy Gleyed mat	rix (S4)		st Prairie Redox		
	Histic Epipedon (/	A2)			dy Redox (S5)			k Surface (S7)	(-)	
	Black Histic (A3)	,			oped Matrix (Se			-Manganese Mas	ses (F12)	
	Hydrogen Sulfide	(A4)		Loa	my Mucky Mine	eral (F1)	Ver	y Shallow Dark Si	urface (TF12)	
	Stratified Layers ((A5)		Loa	my Gleyed Mat	trix (F2)	Oth	er (Explain in Rer	narks)	
	2 cm Muck (A10)		Х	Dep	leted matrix (F					
	Depleted Below D	Dark Surfac	e (A11)	Red	lox Dark Surfac	e (F6)			hytic vegetation and	
	Thick Dark Surfac	ce (A12)		Dep	leted Dark Sur	face (F7)	wet	and hydrology m	ust be present,	
	Sandy Mucky Min	neral (S1)		Red	lox Depression:	s (F8)	unle	ess disturbed or p	roblematic.	
	5 cm Mucky Peat	or Peat (S	3)							
	Layer (if observed):								
Type:										
Depth (in.)						Hydric	Soil Present?	Yes X	No	
Remarks:										
Remarks.										
HYDROLO	GY									
	drology Indicators	:								
	cators (minimum of		ired; checked all th	hat apply)			Se	econdary Indicators	s (minimum of two required	d)
	urface water (A1)		· · · · · · · · · · · · · · · · · · ·		Stained Leaves	(B9)		Surface Soil Cra		
Hi	gh Water Table (A2	2)			Fauna (B13)			Drainage patter	ns (B10)	
Sa	aturation (A3)				quatic Plants (B			Dry-Season Wa	iter table (C2)	
	ater marks (B1)				en Sulfide Odor			Crayfish Burrow		
	ediment Deposits (E	32)		Oxidize	d Rhizospheres	s on Living roo	ts (C3)		le on Aerial Imagery (C9)	
	ift Deposits (B3)				ce of Reduced		(O.O.)		ssed Plants (D1)	
	gal Mat or Crust (B	4)	_		Iron Reduction		(C6)	Geomorphic Po		
	on Deposits (B5)	A	——————————————————————————————————————		uck Surface (C7			FAC-Neutral Te	st (D5)	
	undation Visible on				or Well Data (D					
Sp	parsely Vegetated C	Joncave Su	пасе (во)	Other (E	Explain in Rema	aiks)				
Field Observ	vations:									
Surface Wate		Yes	No X	Depths (in	ches):					
Water Table		Yes		Depths (in		24				
Saturation P		Yes	No X	Depths (in			Wetland Hvd	rology Present?	Yes No	х
(includes cap				- · · · · · · · · · · · · · · · · · · ·					··· ···	
,	, ,,									
Describe Re	corded Data (Strea	m gauge, m	nonitoring well, aer	rial photos, p	revious inspect	ions), if availa	ble:			
Remarks:										

Project/Site: _ Jay County Property	City/Cour	ty: 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: 1	Township, Range:	Section 19: T23N, I	R14E		
Landform (hillslope, terrace, etc.): Depression		Local relief (con	cave, 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, expl	ain in Remarks.)		
Are Vegetation, Soil, or Hydrology	significantly of	listurbed? A	re "Normal Circumstances"	" present? Yes	X No	
Are Vegetation , Soil , or Hydrology	naturally prob	olematic? (If	f needed, explain any ansv	vers in Remarks.)		

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

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	X X X	No No No	Is the Sampled Area Within a Wetland?	Yes	_X	No	
Remarks: Section I – Forested we	tland							

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant Species?	Indicator Status	Dominance Test worksheet:			
Quercus palustris 2.	15	X	FACW	Number of Dominant Species That are OBL, FACW or FAC:		5	(A)
3.				Total Number of Dominant Species Across All Strata:		6	(B)
5.		<u> </u>		1 '		0	-
	15	= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC:		83	(A/B)
Sapling/Shrub Stratum (Plot size): 15-ft radius				Prevalence Index worksheet:			
1. Fraxinus pennsylvanica	15	Х	FACW	Total % Cover of:		Multiply by:	
2. Ulmus americana	10	Х	FACW	OBL species	x 1 =		
3. Hypericum prolificum	10	Х	FACU	FACW species	x 2 =		
4.				FAC species	x 3 =		
5.				FACU species	x 4 =		
	35	= Total Cover		UPL species	x 5 =		
Herb Stratum (Plot size): 5-ft radius				Column Totals:	(A)		(B)
1. Poa pratensis	30	Х	FAC	Prevalence Index = B/A =			
2. Carex radiata	30	Х	FAC	Hydrophytic Vegetation Indicate	ors:		
3. Fraxinus pennsylvanica	15		FACW	Rapid Test for Hydrophyti	c Vegetat	ion	
4. Rubus allegheniensis	10		FACU	X Dominance Test > 50%			
5. Toxicodendron radicans	5		FAC	Prevalence Index is ≤ 3.0	1		
6. Euthamia graminifolia	5		FACW	Morphological Adaptation	s ¹ (Provide	e supporting data ir	1
7. Sanicula odorata	5		FAC	Remarks or on a separate	sheet)		
8.				Problematic Hydrophytic V	/egetatior	¹ (Explain)	
9				¹ Indicators of hydric soil and wetla	nd hydrol	oav must be prese	ent
				unless disturbed or problematic.	na nyaroi	ogy must be prest	JIII,
	100	= Total Cover		Hydrophytic			
Woody Vine Stratum (Plot size): 30-ft radius	100			Vegetation			
Woody vine Stratum (Flot size). Soft radius				Present? Yes	Х	No	
9			-	4			
10		Tatal Oa		4			
		= Total Cover					
Remarks: (Include photo numbers here or on a ser	parate sheet	t.)		1			

p

SOIL									Sampling Point: T2P3	1
	cription: Describ	e to the de	epth needed to d			or confirm the	absence of indi	cators.)		
Depth	Matrix			Redox F			_		_	
(inches)	Color (moist)	%	Color	%	Type ¹	Loc ²	Texture		Remarks	
0-11	10YR 4/2	95	10YR 4/6	5	С	M	Silty Clay Loar	n		
11-24	10YR 5/2	95	10YR 4/6	5	С	M	Silty Clay Loar	<u>n</u>		
							-			
							-			
	oncentration, D=Dep	pletion, RM	=Reduced Matrix, 0	CS=Covere	d or Coated Sar	nd Grains. ² Lo	ocation: PL=Pore L			
Hydric Soil I							Indicators for		•	
	Histosol (A1)			San	dy Gleyed matri	ix (S4)		ast Prairie Re	· /	
	Histic Epipedon (A	A2)			dy Redox (S5)		Dar	k Surface (S	7)	
	Black Histic (A3)			Strip	oped Matrix (S6))			e Masses (F12)	
	Hydrogen Sulfide	(A4)		Loa	my Mucky Mine	ral (F1)			ark Surface (TF12)	
	Stratified Layers (A5)		Loa	my Gleyed Matr	ix (F2)	Oth	er (Explain ir	n Remarks)	
	2 cm Muck (A10)		<u>x</u>	Dep	leted matrix (F3	5)				
	Depleted Below D	ark Surface	e (A11)	Red	lox Dark Surface	e (F6)	³ Inc	licators of hy	drophytic vegetation and	d
	Thick Dark Surfac	e (A12)		Dep	leted Dark Surfa	ace (F7)			gy must be present,	
	Sandy Mucky Min	eral (S1)		Red	lox Depressions	(F8)	unle	ess disturbed	or problematic.	
	5 cm Mucky Peat	or Peat (S3	3)		·				•	
Restrictive L	Layer (if observed)	:								
Туре:										
Depth (in.)						Hydric So	oil Present?	Yes	X No	
Remarks:										
HYDROLO	GY									
	drology Indicators									
	cators (minimum of		ired: checked all th	at apply)			S	econdary Indi	cators (minimum of two re	equired)
	urface water (A1)				Stained Leaves	(B9)			oil Cracks (B6)	
	gh Water Table (A2)			Fauna (B13)	(-)			patterns (B10)	
	aturation (A3)	/			uatic Plants (B1	4)			on Water table (C2)	
	ater marks (B1)				en Sulfide Odor				urrows (C8)	
	ediment Deposits (B	2)				on Living roots	(C3)		Visible on Aerial Imagery	(C9)
	ift Deposits (B3)	'			ce of Reduced I		()		Stressed Plants (D1)	()
Ale	gal Mat or Crust (B4	4)		Recent	Iron Reduction i	in Tilled Soils (C	C6) X	Geomorph	ic Position (D2)	
	on Deposits (B5)	,			ick Surface (C7)			FAC-Neut		
Inu	undation Visible on	Aerial Imag	ery (B7)	Gauge	or Well Data (D	9)		_		
	parsely Vegetated C				Explain in Rema					
Field Observ										
Surface Wate		Yes	No X	Depths (in						
Water Table		Yes	<u>No X</u>	Depths (in	· · · · · · · · · · · · · · · · · · ·		1			
Saturation Pr		Yes	<u>No X</u>	Depths (in	ches): <u>>2</u> 4	4	Wetland Hyd	rology Prese	ent? Yes <u>X</u> No	•
(includes cap	oillary fringe)						1			
			.,							
Describe Red	corded Data (Strear	n gauge, m	ionitoring well, aeria	ai photos, p	revious inspecti	ons), it available	9:			
Remarks:										
i										

Project/Site: Jay County Property	City/Cour	nty: Portland	d/Jay	Samp	ole Date:	6/6/2024
Applicant/Owner: Jay County Development Corporation			State: IN	Samp	le Point:	T2P4
Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein	Section:	Fownship, Rang	e: Section 19: T23N, I	R14E		
Landform (hillslope, terrace, etc.): Plain		Local relief (co	oncave, 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, expl	ain in Rem	narks.)	
Are Vegetation, Soil, or Hydrology	significantly of	disturbed?	Are "Normal Circumstances"	" present?	Yes	X No
Are Vegetation , Soil , or Hydrology	naturally prot	plematic?	(If needed, explain any answ	vers in Rer	marks.)	

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

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

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant Species?	Indicator <u>Status</u>	Dominance Test worksheet:		
1. Quercus rubra	40	<u> </u>	FACU	Number of Dominant Species	_	(A)
2. Carya laciniosa	20	X	FACW	That are OBL, FACW or FAC:	3	
3. Prunus serotina	20	X	FACU	Total Number of Dominant	_	(B)
4.				Species Across All Strata:	7	
5		·		Percent of Dominant Species		
	80	= Total Cover		That are OBL, FACW, or FAC:	42	(A/B)
Sapling/Shrub Stratum (Plot size): 15-ft radius				Prevalence Index worksheet:		
1. Carya laciniosa	15	Х	FACW	Total % Cover of:	Multiply by:	
2. Malus coronaria	10	X	UPL	OBL species	x 1 =	
3. Cornus drummondii	5		FAC	FACW species	x 2 =	
4.				FAC species	x 3 =	
5.				FACU species	x 4 =	
	30	= Total Cover		UPL species	x 5 =	
Herb Stratum (Plot size): 5-ft radius	30			Column Totals:	(A)	(B)
····· · · · · · · · · · · · · · · · ·	70	~	FAC	Prevalence Index = $B/A =$	(A)	(D)
Sanicula odorata Circaea canadensis	<u>70</u> 20	<u> </u>	FACU	Hydrophytic Vegetation Indica	toro.	
	10		FACU	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
3. Fraxinus americana 4.	10	······	FACU	Rapid Test for Hydroph Dominance Test > 50%		
5.				Prevalence Index is ≤ 3		
6.						·
7.		·		Remarks or on a separa	ons ¹ (Provide supporting data	IN
8.				Problematic Hydrophyti	,	
9.						
10				¹ Indicators of hydric soil and wet	land hydrology must be pre	sent
···				unless disturbed or problematic.		oon,
	100	= Total Cover		Hydrophytic		
Woody Vine Stratum (Plot size): 30-ft radius	100			Vegetation		
Woody ville Stratum (Flot size). 30-it radius				Present?	es No	х
9.				i i coonti	<u> </u>	
10		·		1		
···		= Total Cover		1		
		-				

SOIL								Sampling Point: T2P4
		e to the d	epth needed to c			or confirm the	absence of indicato	rs.)
Depth	Matrix			Redox F				
(inches)	Color (moist)	<u>%</u>	Color	%	Type ¹	Loc ²	Texture	Remarks
0-12	10YR 4/2	90				<u> </u>	Silt Loam	
12-24	10YR 5/2		10YR 4/6	10	С	M	Silt Loam	
					. <u> </u>			
					. <u> </u>			
				·				
					. <u> </u>			
	oncentration, D=De	plation PM	- Roduced Metrix	CS-Covered	d or Cootod So	od Croino ² Lo	postion: DI - Doro Lining	M-Motrix
Hydric Soil		pletion, Riv	Reduced Matrix,	CS=Covered	d of Coaled Sar	id Grains Lo	cation: PL=Pore Lining	ematic Hydric Soils ³ :
Hydric Soli	Histosol (A1)			San	dy Gleyed matr	iv (SA)		rairie Redox (A16)
	Histic Epipedon (Δ2)			dy Redox (S5)	IX (04)		rface (S7)
	Black Histic (A3)	(12)			oped Matrix (S6)		nganese Masses (F12)
	Hydrogen Sulfide	(A4)			my Mucky Mine	·		allow Dark Surface (TF12)
	Stratified Layers	. ,			my Gleyed Mati			(in in Remarks)
	2 cm Muck (A10)	(10)		Den	leted matrix (F3			
	Depleted Below [)ark Surfac	e (A11)		lox Dark Surfac		³ Indicate	ors of hydrophytic vegetation and
	Thick Dark Surface				leted Dark Surf	. ,		hydrology must be present,
	Sandy Mucky Mir	. ,			ox Depressions	. ,		isturbed or problematic.
	5 cm Mucky Peat		3)		lox Depressione	5 (1 0)		
	o on mucky r cat		0)					
Restrictive	Layer (if observed):						
Type:								
Depth (in.)						Hydric Sc	oil Present?	Yes No X
Deptir (iii.)						inyane ee	in resent.	
Remarks:								
HYDROLO	GY							
	drology Indicators	5:						
Primary India	cators (minimum of	one is requ	iired; checked all th	hat apply)			Second	dary Indicators (minimum of two required)
	urface water (A1)				Stained Leaves	(B9)		urface Soil Cracks (B6)
	gh Water Table (A2	2)			Fauna (B13)			rainage patterns (B10)
	aturation (A3)				uatic Plants (B			ry-Season Water table (C2)
	ater marks (B1)				en Sulfide Odor			rayfish Burrows (C8)
	ediment Deposits (E	32)	<u> </u>		ce of Reduced I	on Living roots		aturation Visible on Aerial Imagery (C9) unted or Stressed Plants (D1)
	rift Deposits (B3) gal Mat or Crust (B	4)	_			in Tilled Soils (C		eomorphic Position (D2)
	on Deposits (B5)	+)			ick Surface (C7	· ·	/	AC-Neutral Test (D5)
	undation Visible on	Aerial Imag	nerv (B7)		or Well Data (D		17	
	parsely Vegetated (Explain in Rema			
	salooly vogetated t					(110)		
Field Obser	vations:							
Surface Wat		Yes	No X	Depths (ind	ches):			
Water Table	Present?	Yes	No X	Depths (ind	ches): >2	4		
Saturation P	resent?	Yes	No X	Depths (ind	ches): >2	4	Wetland Hydrolog	gy Present? Yes <u>No X</u>
(includes cap	pillary fringe)							
Describe Re	corded Data (Strea	m gauge, m	nonitoring well, aer	ial photos, p	revious inspecti	ions), if available):	
Remarks:								

Project/Site: Jay Coun	ty Property	City/Cour	nty: <u>Portlar</u>	nd/Jay	Samp	le Date:	6/6/2024
Applicant/Owner: Jay	County Development Corporation			State: IN	Samp	le Point:	T2P5
Investigator(s): Ash	lee N. Nichter, Katelyn L. Gutwein	Section: 7	Fownship, Ran	ge: Section 19: T23N,	R14E		
Landform (hillslope, terrac	e, etc.): Plain		Local relief (c	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 cor	nditions on the site typical for this time of year?	Yes X	No	(If no, exp	lain in Rem	arks.)	
Are Vegetation	, Soil, or Hydrology	significantly of	disturbed?	Are "Normal Circumstances	" present?	Yes	X No
Are Vegetation	, Soil , or Hydrology	naturally prob	plematic?	(If needed, explain any answ	wers in Rer	narks.)	

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

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

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant <u>Species?</u>	Indicator <u>Status</u>	Dominance Test worksheet:		
1. Quercus rubra	40	<u>X</u>	FACU	Number of Dominant Species	_	(A)
2. Prunus serotina	15	Х	FACU	That are OBL, FACW or FAC:	2	()
3. <u>Malus coronaria</u> 4.	10	·	UPL	Total Number of Dominant	7	(B)
4 5		·		Species Across All Strata:	/	
5.		·		Percent of Dominant Species		(A/B)
	65	= Total Cover		That are OBL, FACW, or FAC:	29	(7,1)
Sapling/Shrub Stratum (Plot size): 15-ft radius				Prevalence Index worksheet:		
1. Fraxinus americana	10	Х	FACU	Total % Cover of:	Multiply by:	
2. Lonicera morrowii	10	Х	FACU	OBL species	x 1 =	
3.				FACW species	x 2 =	
4.	-			FAC species	x 3 =	
5.	-			FACU species	x 4 =	
	20	= Total Cover		UPL species	x 5 =	
Herb Stratum (Plot size): 5-ft radius	20			Column Totals:	(A)	(B)
1. Sanicula odorata	50	х	FAC	Prevalence Index = B/A =		(=)
2. Persicaria virginiana	30	<u> </u>	FAC	Hydrophytic Vegetation Indica	tors:	
3. Circaea canadensis	20	<u> </u>	FACU	Rapid Test for Hydrophy		
4.		<u> </u>		Dominance Test > 50%		
5.				Prevalence Index is ≤ 3		
6.		·		Morphological Adaptatio	ons ¹ (Provide supporting da	ta in
7.		·		Remarks or on a separa		
8.		·		Problematic Hydrophytic	c Vegetation ¹ (Explain)	
9.		·			0 (1)	
10		·		¹ Indicators of hydric soil and wet	land hydrology must be p	resent,
				unless disturbed or problematic.		
	100	= Total Cover		Hydrophytic		
Woody Vine Stratum (Plot size): 30-ft radius		-		Vegetation	No.	
				Present?	es No	Х
9.						
10						
		= Total Cover				
		-				

SOIL									Sampling Point: T	2P5
	scription: Describ	e to the c	lepth needed to	o document	the indicator	or confirm th	he absence of	indicators.)		
Depth	Matrix				Features		-			
(inches)	Color (moist)	%	Color	%	Type ¹	Loc ²	Textu		Remarks	3
0-6	10YR 3/1	100					Silty Clay			
6-14	10YR 5/1	98	10YR 5/6	2	C	M	Silty Clay			
14-24	10YR 5/2	95	10YR 5/6	5	С	M	Silty Clay	Loam		
1- 0.0				~~~~			2			
	Concentration, D=De	pletion, RN	I=Reduced Matri	x, CS=Covere	ed or Coated Sa	and Grains.		ore Lining, M=Matri		
Hydric Soil	Indicators:			0			Indicators	for Problematic H		
	Histosol (A1) Histic Epipedon (۸ ۵)			ndy Gleyed mat	· · /		Coast Prairie Rec	· · ·	
	Black Histic (A3)	42)			ndy Redox (S5) pped Matrix (S		<u> </u>	Dark Surface (S7 Iron-Manganese	·	
	Hydrogen Sulfide	(1)			amy Mucky Min	,		Very Shallow Dar		
	Stratified Layers	. ,			amy Gleyed Ma			Other (Explain in		
	2 cm Muck (A10)	AJ)		Lua	oleted matrix (F				itemarks)	
 	Depleted Below [Jork Surfac	×0 (A11)		dox Dark Surfac	,		³ Indicators of hyd	rophytic vegetation	and
	Thick Dark Surface		e (ATT)			. ,			/ must be present,	anu
	Sandy Mucky Mir	. ,	_		oleted Dark Sur dox Depression	. ,		unless disturbed		
	5 cm Mucky Peat	. ,	2)		Jox Depression	IS (FO)		uniess disturbed	or problematic.	
	J CHI MUCKY F Eat	UI Feat (S	3)							
Restrictive	Layer (if observed) .								
Type:	Layer (II Observed).								
Depth (in.)	·					Hydric	Soil Present?	Yes	X No	
Deptir (iii.)						riyane	Contresenti			
Remarks:										
HYDROLO	JGY									
	drology Indicators									
	icators (minimum of		lired: checked all	(that apply)				Secondary Indic	ators (minimum of tw	o required)
	Surface water (A1)				Stained Leaves	(B9)			Cracks (B6)	<u> </u>
	ligh Water Table (A2	2)	•		Fauna (B13)	()			atterns (B10)	
	Saturation (A3)	-,	•		quatic Plants (E	314)			Water table (C2)	
	Vater marks (B1)				en Sulfide Odo			Crayfish Bu		
	Sediment Deposits (E	32)			d Rhizosphere		ots (C3)		isible on Aerial Imag	aery (C9)
	Drift Deposits (B3)	,			ce of Reduced		()		Stressed Plants (D1)	
	Igal Mat or Crust (B	4)			Iron Reduction		s (C6)		Position (D2)	
	on Deposits (B5)	,			uck Surface (C		()	FAC-Neutra		
Ir	nundation Visible on	Aerial Ima	gery (B7)	Gauge	or Well Data (D	9)				
s	Sparsely Vegetated (Concave S	urface (B8)	Other (Explain in Rem	arks)				
Field Obse										
	ter Present?	Yes	No X	Depths (in	iches):					
Water Table		Yes	<u>No X</u>	Depths (in						
Saturation F		Yes	<u>No X</u>	Depths (in	iches): >2	24	Wetland	Hydrology Preser	t? Yes	No <u>X</u>
(includes ca	apillary fringe)									
Describe Re	ecorded Data (Strea	m gauge, r	nonitoring well, a	erial photos, p	previous inspec	tions), if availa	able:			
Remarks:										
rtomanto.										

Project/Site: _ Jay County Property	City/Cour	ty: Portland	d/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: 1	Township, Rang	e: Section 19: T23N, I	R14E	
Landform (hillslope, terrace, etc.): Depression		Local relief (co	oncave, convex, none):	Concave	
Slope (%): 0 Lat: 40.431217°	Long:	-85.006968°		Datum: WGS 84	
Soil Map Unit Name: Pewamo silty clay			NWI classification:	PF01C	
Are climatic/hydrologic conditions on the site typical for this time of year?	Yes X	No	(If no, expl	ain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly of	listurbed?	Are "Normal Circumstances"	" present? Yes	X No
Are Vegetation , Soil , or Hydrology	naturally prob	lematic?	(If needed, explain any answ	vers in Remarks.)	

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

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

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant Species?	Indicator <u>Status</u>	Dominance Test worksheet:	
1. Populus deltoides	40	<u> </u>	FAC	Number of Dominant Species	(A)
2. Quercus palustris	15	<u> </u>	FACW	That are OBL, FACW or FAC: 7	•
3. <u>Fraxinus pennsylvanica</u> 4.	15	<u> </u>	FACW	Total Number of Dominant Species Across All Strata: 7	(B)
5.				Species Across All Strata: 7	-
J				Percent of Dominant Species	(A/B
	70	= Total Cover		That are OBL, FACW, or FAC: 100	
Sapling/Shrub Stratum (Plot size): 15-ft radius				Prevalence Index worksheet:	
1. Fraxinus pennsylvanica	40	Х	FACW	Total % Cover of: Multiply by:	
2. Quercus rubra	10		FACU	OBL species x 1 =	
3. Quercus alba	10		FACU	FACW species x 2 =	
4.			-	FAC species x 3 =	_
5.			-	FACU species x 4 =	_
	60	= Total Cover		UPL species x 5 =	_
lerb Stratum (Plot size): 5-ft radius				Column Totals: (A)	(B
Carex granularis	20	х	FACW	Prevalence Index = B/A =	_ (=
2. Galium palustre	20	<u> </u>	OBL	Hydrophytic Vegetation Indicators:	
3. Carex vulpinoidea	20	<u> </u>	FACW	Rapid Test for Hydrophytic Vegetation	
4. Quercus alba	10		FACU	X Dominance Test > 50%	
5. Persicaria virginiana	10		FAC	Prevalence Index is $\leq 3.0^1$	
6. Quercus palustris	5		FACW	Morphological Adaptations ¹ (Provide supporting data in	
7. Fraxinus pennsylvanica	5		FACW	Remarks or on a separate sheet)	
3.				Problematic Hydrophytic Vegetation ¹ (Explain)	
).					
0				¹ Indicators of hydric soil and wetland hydrology must be prese	ent,
				unless disturbed or problematic.	
	90	= Total Cover		Hydrophytic	
<u>Moody Vine Stratum</u> (Plot size): 30-ft radius				Vegetation Yes V No	
				Present? Yes X NO	
				4	
10				4	
		= Total Cover			

US Army Corps of Engineers

SOIL								Sampling Point: T2P6
		e to the d	epth needed to d			or confirm th	e absence of indicators.)	
Depth	Matrix	~ ~ ~			eatures		-	
(inches)	Color (moist)	90	Color	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 3/1	95	10YR 4/6	10	<u> </u>	<u>M</u>	Silty Clay	
16-24	10YR 4/1		10YR 4/6	5	С	М	Silty Clay	
							<u> </u>	
							<u> </u>	
		alatian DM	Deduced Metrix	00 000000	d ar Castad Sa	nd Croine 2	Leasting DL Dave Lining M	1 Moteix
Hydric Soil	oncentration, D=Dep	pletion, Riv	Reduced Matrix,	CS=Covere	d of Coaled Sa	na Grains	Location: PL=Pore Lining, M Indicators for Problem	
Tryanc Son	Histosol (A1)			San	ndy Gleyed matr	rix (S4)		rie Redox (A16)
·	Histic Epipedon (A	42)			ndy Redox (S5)	1x (04)	Dark Surfac	
	Black Histic (A3)	(2)			pped Matrix (S6	;)		anese Masses (F12)
	Hydrogen Sulfide	(A4)			my Mucky Mine	,		ow Dark Surface (TF12)
	Stratified Layers (. ,		Loa	my Gleyed Mat	. ,		lain in Remarks)
	2 cm Muck (A10)	-/		Der	pleted matrix (F3			
	Depleted Below D	ark Surfac	e (A11) X	Rec	lox Dark Surfac	,	³ Indicators	of hydrophytic vegetation and
	Thick Dark Surfac				oleted Dark Surf	. ,		drology must be present,
	Sandy Mucky Min	. ,			dox Depressions	. ,		urbed or problematic.
	5 cm Mucky Peat	. ,	3)			- ()		
	,		,					
Restrictive	Layer (if observed)):						
Туре:								
Depth (in.)						Hydric	Soil Present? Y	íes X No
Remarks:								
HYDROLO	GY							
	drology Indicators							
	cators (minimum of	one is requ		nat apply)				y Indicators (minimum of two required)
	urface water (A1)		>		Stained Leaves	(B9)		ace Soil Cracks (B6)
	igh Water Table (A2	2)			: Fauna (B13)			nage patterns (B10)
	aturation (A3)				quatic Plants (B			Season Water table (C2)
	ater marks (B1)				en Sulfide Odor			fish Burrows (C8)
	ediment Deposits (B	52)			d Rhizospheres			ration Visible on Aerial Imagery (C9)
	rift Deposits (B3)	4)	_		ce of Reduced I			ted or Stressed Plants (D1)
	gal Mat or Crust (B4	+)			Iron Reduction uck Surface (C7			norphic Position (D2)
	on Deposits (B5) undation Visible on	Aorial Ima			or Well Data (D	,	<u></u>	Neutral Test (D5)
	parsely Vegetated C				Explain in Rema			
oł	Saisely vegetated C	Silcave Su				inoj		
Field Obser	vations:							
Surface Wat		Yes	No X	Depths (in	ches):			
Water Table		Yes	No X	Depths (in		4		
Saturation P			X No	Depths (in			Wetland Hydrology I	Present? Yes X No
(includes cap	oillary fringe)							
· ·								
Describe Re	corded Data (Strear	m gauge, m	nonitoring well, aeri	al photos, p	previous inspect	ions), if availat	ole:	
Remarks:								
Remains.								

Project/Site: Jay County Property	City/Coun	ty: Portland/	Jay	Samp	le Date:	6/6/2024
Applicant/Owner: Jay County Development Corporation			State: IN	Samp	le Point:	T3P1
Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein	Section: T	ownship, Range	: Section 19: T23N, I	R14E		
Landform (hillslope, terrace, etc.): Plain		Local relief (cor	ncave, 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, expl	ain in Rem	arks.)	
Are Vegetation, Soil, or Hydrology	significantly d	isturbed? A	re "Normal Circumstances"	" present?	Yes	X No
Are Vegetation , Soil , or Hydrology	naturally prob	lematic? (I	lf needed, explain any ansv	vers in Rer	narks.)	

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

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	Х	_ No _ No No	X X	Is the Sampled Area Within a Wetland?	Yes	 No	X
Remarks: Upland shrubby old field								

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant Species?	Indicator <u>Status</u>	Dominance Test	worksheet:			
1				Number of Domina That are OBL, FAC			2	(A)
3				Total Number of D Species Across All			4	(B)
5.		= Total Cover		Percent of Domina That are OBL, FAC			50	(A/B)
Sapling/Shrub Stratum (Plot size): 15-ft radius Cornus drummondii	50	X	FAC	Prevalence Inde Total % (Cover of:		Aultiply by:	
2. Elaeagnus umbellata	15	X	UPL	OBL species	0	x 1 =	0	
3. Rosa multiflora	10		FACU	FACW species	0	x 2 =	0	
4.				FAC species	100	x 3 =	300	
5		·		FACU species	13	x 4 =	52	
	75	= Total Cover		UPL species	47	x 5 =	235	
Herb Stratum (Plot size): 5-ft radius				Column Totals:	160	(A)	587	(B)
1. Toxicodendron radicans	50	Х	FAC	Prevalence	Index = B/A =		3.67	
2. Eupatorium altissimum	30	Х	UPL	Hydrophytic Veg	getation Indicate	ors:		
3. Erigeron annuus	3		FACU	Rapid 1	Fest for Hydrophyt	tic Vegetatio	n	
4. Dianthus armeria	2		UPL	Domina	ance Test > 50%			
5.				Prevale	ence Index is ≤ 3.0) ¹		
6.		<u> </u>			logical Adaptation		supporting da	ta in
7		<u> </u>			ks or on a separat	,		
8				Probler	natic Hydrophytic	Vegetation ¹	(Explain)	
9		. <u> </u>						
10		<u> </u>		¹ Indicators of hyd		and hydrolog	gy must be p	resent,
				unless disturbed	or problematic.			
Woody Vine Stratum (Plot size): 30-ft radius	85	_ = Total Cover		Hydrophytic Vegetation Present?	Yes	S	No	Х
9				4				
10		= Total Cover						

SOIL								5	Sampling Point: T3P1
	cription: Describ	e to the d	epth needed to			or confirm the	e absence of i	ndicators.)	
Depth	Matrix			Redox F			_		
(inches)	Color (moist)	<u>%</u> 100	Color	%	Type ¹	Loc ²	Textur		Remarks
0-6	10YR 4/2						Silty Clay L		
6-24	10YR 4/2	95	10YR 4/6	5	С	M	Silty Clay L	oam	
17			De due e d Metric	00.0		21		- Linia - NA Madaiu	
Hydric Soil	oncentration, D=Dep	pletion, RIV	ERECUCED Matrix,	CS=Covere	d or Coated Sar	nd Grains L		re Lining, M=Matrix or Problematic Hyd	
Hydric Soli				Com		iv (CA)		•	
	Histosol (A1) Histic Epipedon (A	121			dy Gleyed matr	IX (34)		Coast Prairie Redo Dark Surface (S7)	ix (A10)
	Black Histic (A3)	~ z)			idy Redox (S5) oped Matrix (S6	`		ron-Manganese M	
	Hydrogen Sulfide	(Δ1)			my Mucky Mine	·		Very Shallow Dark	
	Stratified Layers (. ,		Loa	my Gleyed Mati			Other (Explain in R	
	2 cm Muck (A10)	/(0)	X	Loa	pleted matrix (F3		`		emarks)
	Depleted Below D	ark Surfac	e (A11)	Dep Rec	lox Dark Surfac	,	3	Indicators of hydro	ophytic vegetation and
	Thick Dark Surfac				leted Dark Surf	. ,		wetland hydrology	
	Sandy Mucky Min	. ,			lox Depressions	. ,		unless disturbed or	
	5 cm Mucky Peat		3)		lox Depressione	5 (1 0)			problematic.
	o on muony i out	011001(0	0)						
Restrictive	Layer (if observed)	:							
Type:									
Depth (in.)						Hydric S	oil Present?	Yes >	K No
2 op ()									
Remarks:									
HYDROLO									
	drology Indicators								
	cators (minimum of	one is requ	iired; checked all t						ors (minimum of two required)
	urface water (A1)		_		Stained Leaves	(B9)		Surface Soil 0	
	gh Water Table (A2	.)	_		Fauna (B13)			Drainage patt	
	aturation (A3)		_		uatic Plants (B				Vater table (C2)
	ater marks (B1)	•	_		en Sulfide Odor		(00)	Crayfish Burr	
	ediment Deposits (B	52)	—	Oxidize	d Rhizospheres	on Living roots	s (C3)		sible on Aerial Imagery (C9)
	rift Deposits (B3)	4)	—		ce of Reduced I Iron Reduction				ressed Plants (D1)
	gal Mat or Crust (B4 on Deposits (B5)	+)	_		Jick Surface (C7	```````````````````````````````````````	(6)	Geomorphic F FAC-Neutral	
	undation Visible on	Aorial Ima			or Well Data (D			FAC-Neuliai	Test (D5)
	parsely Vegetated C				Explain in Rema				
0	Daisely vegetated C					11(3)			
Field Obser	vations:								
Surface Wat		Yes	No X	Depths (in	ches):				
Water Table		Yes	No X	Depths (in		4			
Saturation P	resent?	Yes	No X	Depths (in			Wetland I	Hydrology Present	?Yes No X
(includes cap	oillary fringe)								
	, ,,								
Describe Re	corded Data (Strear	n gauge, n	nonitoring well, ae	rial photos, p	revious inspecti	ons), if availab	le:		
Remarks:									
Nemarks.									

Project/Site: _ Jay County Property	City/Cour	nty: 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: 1	Fownship, Range	e: Section 19: T23N, I	R14E	
Landform (hillslope, terrace, etc.): Depression		Local relief (cor	ncave, 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, expl	ain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly of	disturbed? A	Are "Normal Circumstances"	" present? Yes	X No
Are Vegetation , Soil , or Hydrology	naturally prob	olematic? (If needed, explain any ansv	vers in Remarks.)	

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

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	X X X	No No No	Is the Sampled Area Within a Wetland?	Yes X	 No	
Remarks: Section I – Forested we	tland						

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant <u>Species?</u>	Indicator <u>Status</u>	Dominance Test worksheet:			
1. Quercus palustris	40	<u> </u>	FACW	Number of Dominant Species		2	(A)
2. Ulmus americana 3.	20	<u> </u>	FACW	That are OBL, FACW or FAC:		6	_ ()
4.				Total Number of Dominant Species Across All Strata:		6	(B)
5	60	= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC:		100	(A/B)
Sapling/Shrub Stratum (Plot size): 15-ft radius				Prevalence Index worksheet:			
1. Fraxinus pennsylvanica	10	X	FACW	Total % Cover of:		Multiply by:	
2				OBL species	_ x 1 =		
3				FACW species	_ x 2 = x 3 =		_
5.				FAC species	- x 3 = x 4 =		
				UPL species			
	10	= Total Cover			_		_ (5)
Herb Stratum (Plot size): 5-ft radius	4.5	X	FACW	Column Totals:	(A)		(B)
Carex vulpinoidea Glyceria striata	<u> </u>	<u> </u>	OBL	Prevalence Index = B/A =			
2. <u>Glyceria striata</u> 3. Scirpus pendulus	10	<u> </u>	OBL	Hydrophytic Vegetation Indicato Rapid Test for Hydrophyti			
4. Fraxinus pennsylvanica	5		FACW	X Dominance Test > 50%	c vegetati	011	
5. Carex scoparia	5		FACW	Prevalence Index is ≤ 3.0	1		
6.				Morphological Adaptation		e supporting data in	h
7.				Remarks or on a separate		o oupporting aata ii	•
8.				Problematic Hydrophytic	/egetatior	1 ¹ (Explain)	
9.							
10				¹ Indicators of hydric soil and wetla	nd hydrol	ogy must be pres	ent,
				unless disturbed or problematic.			
	45	= Total Cover		Hydrophytic			
Woody Vine Stratum (Plot size): 30-ft radius				Vegetation Yes	х	No	
9.				Present?	~		
9. 10				1			
		= Total Cover		1			
Remarks: (Include photo numbers here or on a ser	parate sheet	t.)		1			

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SOIL								Sar	npling Point: T3P2
		e to the de	epth needed to de			or confirm th	ne absence of ind	icators.)	
Depth	Matrix			Redox Fe			-		
(inches)	Color (moist)	<u>%</u> 85	Color	<u>%</u>			Texture		Remarks
0-24	10YR 4/2		10YR 4/6	15	С	М	Silty Clay Loa	<u>m</u>	
			·						
	·								
	·		·			·			
	·								
	/ /	oletion, RM	=Reduced Matrix, C	CS=Covered	or Coated Sa	nd Grains. ²	Location: PL=Pore		
Hydric Soil I								Problematic Hydri	
	Histosol (A1)	0			dy Gleyed matr	ix (S4)		ast Prairie Redox (A16)
	Histic Epipedon (A	(2)			dy Redox (S5)	、		rk Surface (S7)	
	Black Histic (A3) Hydrogen Sulfide	(\ 1)			ped Matrix (S6	·		n-Manganese Mas ry Shallow Dark Su	
	Stratified Layers (. ,			ny Mucky Mine ny Gleyed Mat	. ,		ner (Explain in Ren	. ,
	2 cm Muck (A10)	(0)	X	Denl	eted matrix (F3				
	Depleted Below D	ark Surface	X (A11)	Red	ox Dark Surfac	,	³ Inc	dicators of hydroph	ytic vegetation and
	Thick Dark Surfac				eted Dark Surf	. ,		tland hydrology mu	
	Sandy Mucky Mine	. ,			ox Depressions	. ,		ess disturbed or pr	-
	5 cm Mucky Peat	or Peat (S3	3)	_		. ,			
	ayer (if observed)	:							
Туре:				_					
Depth (in.)				_		Hydric	Soil Present?	Yes X	No
Remarks:									
HYDROLO	GY								
	rology Indicators:								
		one is requ	ired; checked all that				S		(minimum of two required)
	rface water (A1)	、 、	<u>X</u>		tained Leaves	(B9)		Surface Soil Cra	
	h Water Table (A2) turation (A3))			Fauna (B13) uatic Plants (B [.]	14)		Drainage pattern Dry-Season Wa	
	ater marks (B1)				n Sulfide Odor			Crayfish Burrow	
	diment Deposits (B	2)			Rhizospheres		ots (C3)		e on Aerial Imagery (C9)
	ft Deposits (B3)	,			e of Reduced I		. ,	Stunted or Stres	
Alg	al Mat or Crust (B4	l)			ron Reduction		(C6) X	Geomorphic Pos	
Iroi	n Deposits (B5)				ck Surface (C7		X	FAC-Neutral Te	st (D5)
Inu	ndation Visible on				or Well Data (D				
<u> </u>	arsely Vegetated C	oncave Su	rface (B8)	_ Other (E	xplain in Rema	arks)			
Field Observ	ations:								
Surface Wate		Yes	No X	Depths (inc	hes):				
Water Table F		Yes		Depths (inc		4			
Saturation Pre	esent?	Yes		Depths (inc			Wetland Hyd	drology Present?	Yes <u>X</u> No
(includes cap	illary fringe)								
Describe Rec	orded Data (Stream	n gauge, m	onitoring well, aeria	al photos, pr	evious inspecti	ions), if availa	ble:		
Remarks:									

,	ty Property	City/Coun	ty: Portlan			le Date:	6/6/2024
Applicant/Owner: Jay	County Development Corporation			State: IN	Samp	le Point:	T3P3
Investigator(s): Ashl	ee N. Nichter, Katelyn L. Gutwein	Section: T	ownship, Rang	e: Section 19: T23N,	R14E		
Landform (hillslope, terrac	e, etc.): Plain		Local relief (co	oncave, 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 cor	nditions on the site typical for this time of year?	Yes X	No	(If no, expl	lain in Rem	arks.)	
Are Vegetation	, Soil, or Hydrology	significantly d	isturbed?	Are "Normal Circumstances	" present?	Yes	X No
Are Vegetation	, Soil , or Hydrology	naturally prob	lematic?	(If needed, explain any answ	wers in Ren	narks.)	

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

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

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant Species?	Indicator <u>Status</u>	Dominance Test worksheet:		
1. Quercus rubra 2.	80	<u> </u>	FACU	Number of Dominant Species That are OBL, FACW or FAC:	2	(A)
3				Total Number of Dominant Species Across All Strata:	6	(B)
5	80	= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC:	33	(A/B
Sapling/Shrub Stratum (Plot size): 15-ft radius	40	<u> </u>	FACU	Prevalence Index worksheet: Total % Cover of:	Multiply by:	
2. Cornus drummondii 3. Fraxinus pennsylvanica	<u> </u>	Х	FAC FACW	OBL species	x 1 = x 2 =	
 Fraxinus pennsylvanica 4. 	10		TACIN	FAC species		
5.				FACU species		
		= Total Cover		UPL species	x 5 =	
Herb Stratum (Plot size): 5-ft radius	80	= Total Cover		Column Totals:	(A)	(B)
1. Sanicula odorata	50	х	FAC	Prevalence Index = B/A =	(A)	(D)
2. Circaea canadensis	20	<u> </u>	FACU	Hydrophytic Vegetation Indicate	ors:	
3. Rubus occidentalis	10		UPL	Rapid Test for Hydrophyti		
4. Impatiens capensis	5		FACW	Dominance Test > 50%	5	
5. Persicaria virginiana	5		FAC	Prevalence Index is ≤ 3.0	1	
5. Vitis aestivalis	5		FACU		s1 (Provide supporting data i	in
7				Remarks or on a separate		
B				Problematic Hydrophytic	Vegetation ¹ (Explain)	
910				¹ Indicators of hydric soil and wetla	nd hydrology must be pres	sent,
				unless disturbed or problematic.		
Woody Vine Stratum (Plot size): 30-ft radius	95	= Total Cover		Hydrophytic Vegetation Present? Yes	No _X	(
9. <u>Parthenocissus quinquefolia</u>	10	<u> </u>	FACU			•
	10	= Total Cover				

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

SOIL									Sampling Point: T3P3
	cription: Describe	to the de	epth needed to a			or confirm the a	absence of	indicators.)	
Depth	Matrix			Redox F					
(inches)	Color (moist)	<u>%</u>	Color	%	Type ¹	Loc ²	Textu		Remarks
0-8	10YR 4/2	95		·		<u> </u>	Silty Clay		
8-24	10YR 5/2		10YR 5/6	5	С	M	Silty Clay		
				·					
					·				
				·	<u> </u>	<u> </u>			
¹ Type: C-Co	oncentration, D=Depl	etion RM	-Reduced Matrix	CS-Covere	d or Coated Sar	nd Grains ² Loc	ration: PI -P	ore Lining, M=Matr	rix
Hydric Soil				00-000010				for Problematic F	
	Histosol (A1)			San	dy Gleyed matr	ix (S4)		Coast Prairie Re	•
	Histic Epipedon (A2	2)			dy Redox (S5)	- /		Dark Surface (S7	
	Black Histic (A3)	,			oped Matrix (S6)		Iron-Manganese	
	Hydrogen Sulfide (A	44)			my Mucky Mine				rk Surface (TF12)
	Stratified Layers (A	5)		Loa	my Gleyed Mati			Other (Explain in	Remarks)
	2 cm Muck (A10)		Х	Dep	leted matrix (F3	3)			
	Depleted Below Da	rk Surface	e (A11)	Red	lox Dark Surface	e (F6)			drophytic vegetation and
	Thick Dark Surface	(A12)			leted Dark Surf	ace (F7)		wetland hydrolog	gy must be present,
	Sandy Mucky Mine	ral (S1)		Red	lox Depressions	; (F8)		unless disturbed	or problematic.
	5 cm Mucky Peat o	r Peat (S3	3)						
	Layer (if observed):								
Type:									
Depth (in.)						Hydric Soi	I Present?	Yes	XNo
<u> </u>									
Remarks:									
1									
HYDROLO	GY								
	drology Indicators:								
	cators (minimum of or	ne is requ	ired; checked all th	hat apply)				Secondary Indic	cators (minimum of two required)
	urface water (A1)				Stained Leaves	(B9)			il Cracks (B6)
Hi	gh Water Table (A2)				Fauna (B13)			Drainage p	atterns (B10)
	aturation (A3)				uatic Plants (B1				n Water table (C2)
	ater marks (B1)				en Sulfide Odor				urrows (C8)
	ediment Deposits (B2)				on Living roots (C3)		Visible on Aerial Imagery (C9)
	rift Deposits (B3)				ce of Reduced I				Stressed Plants (D1)
	gal Mat or Crust (B4)					in Tilled Soils (C6	5)		ic Position (D2)
	on Deposits (B5)				ick Surface (C7			FAC-Neutra	al Test (D5)
	undation Visible on A parsely Vegetated Co				or Well Data (D Explain in Rema				
<u> </u>	Darsely vegetated Co	ncave Su				irk5)			
Field Obser	vations:								
Surface Wat		/es	No X	Depths (in	ches):				
Water Table		/es	No X	Depths (in		4			
Saturation P	resent?	/es	No X	Depths (in	ches): >2	4	Wetland	Hydrology Prese	nt? Yes <u>No X</u>
(includes cap	oillary fringe)								
Describe Re	corded Data (Stream	gauge, m	onitoring well, aer	rial photos, p	revious inspecti	ons), if available:			
Remarks:									

Project/Site:Jay County Property	City/Coun	ty: Portland/J	lay	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: T	ownship, Range:	Section 19: T23N, I	Section 19: T23N, R14E		
Landform (hillslope, terrace, etc.): Depression		Local relief (cond	cave, 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, expl	ain in Remarks.)		
Are Vegetation, Soil, or Hydrology	significantly d	isturbed? Ar	re "Normal Circumstances"	" present? Yes	X No	
Are Vegetation , Soil , or Hydrology	naturally prob	lematic? (If	needed, explain any answ	vers in Remarks.)		

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

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

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant <u>Species?</u>	Indicator <u>Status</u>	Dominance Test worksheet:			
1. Quercus palustris 2.	80	<u> </u>	FACW	Number of Dominant Species That are OBL, FACW or FAC:		4	(A)
3				Total Number of Dominant Species Across All Strata:		4	(B)
5	80	= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC:		100	(A/B)
Sapling/Shrub Stratum (Plot size): 15-ft radius 1. Fraxinus pennsylvanica 2.	40	X	FACW	Prevalence Index worksheet: Total % Cover of: OBL species	x 1 =	Multiply by:	
3				FACW species	_ x 2 = x 3 =		-
5.				FACU species UPL species	x 4 = x 5 =		_
Herb Stratum (Plot size): 5-ft radius		= Total Cover	FACW	Column Totals:	(A)		(B)
Quercus palustris Glyceria striata	<u> </u>	<u> </u>	OBL	Prevalence Index = B/A = Hydrophytic Vegetation Indicato	rs:		
3. Symphyotrichum lanceolata	10		FAC	Rapid Test for Hydrophyti		on	
4. <u>Carex lacustris</u>	5		OBL FACW	X Dominance Test > 50%			
5. <u>Carex vulpinoidea</u> 6.	5	<u> </u>	FACW	Prevalence Index is ≤ 3.0 [°] Morphological Adaptation		supporting data it	•
7.		<u> </u>		Remarks or on a separate	s (Flovide sheet)	supporting data in	1
8.	-			Problematic Hydrophytic \	/egetation	¹ (Explain)	
9				¹ Indicators of hydric soil and wetlar unless disturbed or problematic.	nd hydrol	ogy must be pres	ent,
Woody Vine Stratum (Plot size): 30-ft radius 9.	65	_ = Total Cover		Hydrophytic Vegetation Present? Yes	X	No	
9. 10 Remarks: (Include photo numbers here or on a ser		= Total Cover					
Tremains. (Include prioro numbers hele of off a se	Jarale Silee						

SOIL								Sampling Point: T3P4
			epth needed to			or confirm th	he absence of indicators	5.)
Depth	Matrix			Redox F	4			5
(inches)	Color (moist)	<u>%</u> 95	Color			Loc ²	Texture	Remarks
0-24	10YR 4/1		10YR 4/6	5	С	M	Silty Clay Loam	
							· · · · · · · · · · · · · · · · · · ·	
							· · · · · · · · · · · · · · · · · · ·	
							· · · · · · · · · · · · · · · · · · ·	
					<u> </u>			
							· · · · · · · · · · · · · · · · · · ·	
¹ Type: C=Co	ncentration, D=D	enletion RM	I=Reduced Matri	x CS=Covere	d or Coated Sa	nd Grains ²	² Location: PL=Pore Lining,	M=Matrix
Hydric Soil I				x, 00-001010			Indicators for Proble	
	Histosol (A1)			San	dy Gleyed mat	rix (S4)		airie Redox (A16)
	Histic Epipedon	(A2)			dy Redox (S5)	(-)	Dark Surf	
	Black Histic (A3))			oped Matrix (Se	5)		ganese Masses (F12)
	Hydrogen Sulfid	le (A4)		Loa	my Mucky Mine	eral (F1)	Very Sha	llow Dark Surface (TF12)
	Stratified Layers	s (A5)		Loa	my Gleyed Mat	rix (F2)	Other (Ex	plain in Remarks)
	2 cm Muck (A10))	X	C Dep	leted matrix (F3	3)		
	Depleted Below	Dark Surfac	e (A11)	Loa C Dep Red	lox Dark Surfac	e (F6)	³ Indicator	s of hydrophytic vegetation and
	Thick Dark Surfa	ace (A12)			leted Dark Surf	ace (F7)		ydrology must be present,
	Sandy Mucky M	ineral (S1)		Red	lox Depression:	s (F8)	unless dis	sturbed or problematic.
	5 cm Mucky Pea	at or Peat (S	3)					
	ayer (if observe.	d):						
Type:								· · ·
Depth (in.)						Hydric	Soil Present?	Yes X No
Demerker								
Remarks:								
HYDROLO	GY							
Wetland Hyd	drology Indicator	rs:						
	ators (minimum c	of one is requ	iired; checked al					ary Indicators (minimum of two required)
	rface water (A1)				Stained Leaves	(B9)		face Soil Cracks (B6)
	gh Water Table (A	42)			Fauna (B13)			iinage patterns (B10)
	turation (A3)				uatic Plants (B			-Season Water table (C2)
	ater marks (B1)	(D-2)			en Sulfide Odor			uyfish Burrows (C8)
	diment Deposits	(Б2)			d Rhizospheres			uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1)
	gal Mat or Crust (I	R4)	•		Iron Reduction			omorphic Position (D2)
	n Deposits (B5)	D4)			ick Surface (C7			C-Neutral Test (D5)
	Indation Visible o	n Aerial Ima	perv (B7)		or Well Data (D		<u></u> 178	
	arsely Vegetated				Explain in Rema			
	,					-,		
Field Observ	vations:							
Surface Wate		Yes	No X	Depths (in				
Water Table		Yes	<u>No X</u>	Depths (in				
Saturation Pr		Yes	<u>No X</u>	Depths (in	ches): >2	4	Wetland Hydrology	/ Present? Yes X No
(includes cap	ollary fringe)							
Describe Rec	corded Data (Stre	am daude in	nonitoring well a	erial photos p	revious inspect	ions) if availa	able:	
200011201100		an gaage, n	ionitoring tron, a	enai priotoo, p	ioriouo illopool	iono), ir arana		
Demerker								
Remarks:								

Project/Site: Jay County	Property	City/Cour	nty: Portlar	nd/Jay	Samp	le Date:	6/6/2024
Applicant/Owner: Jay Co	ounty Development Corporation			State: IN	Samp	le Point:	T3P5
Investigator(s): Ashlee	e N. Nichter, Katelyn L. Gutwein	Section: 1	Township, Ran	ge: Section 19: T23N,	R14E		
Landform (hillslope, terrace,	etc.): Plain		Local relief (c	oncave, convex, none):	None		
Slope (%): 0 I	Lat: 40.431217°	Long:	-85.006968°		Datum:	WGS 84	
Soil Map Unit Name:	Brookston-Glynwood Complex			NWI classification:	None		
Are climatic/hydrologic condi	itions on the site typical for this time of year?	Yes X	No	(If no, expl	lain in Rem	arks.)	
Are Vegetation,	, Soil, or Hydrology	significantly of	listurbed?	Are "Normal Circumstances	" present?	Yes	X No
Are Vegetation ,	, Soil , or Hydrology	naturally prob	lematic?	(If needed, explain any answ	wers in Rer	narks.)	

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

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

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

SOIL							Sampling Point: T3P5
	•	the depth needed to			or confirm th	e absence of indicate	ors.)
Depth (inches)	Matrix Color (moist)	% Color	Redox F %	Features Type ¹	Loc ²	Texture	Remarks
0-24		[%] 0001 10YR 4/6	5	C	M	Silty Clay Loam	Remarks
0-24		1011(4/0					
1							
Type: C=Co Hydric Soil I	ncentration, D=Depletio	n, RM=Reduced Matri	x, CS=Covere	ed or Coated Sa	and Grains. 2	Location: PL=Pore Linin	g, M=Matrix plematic Hydric Soils ³ :
Hydric Soli I	Histosol (A1)		Sar	ndy Gleyed mat	rix (S4)		Prairie Redox (A16)
	Histic Epipedon (A2)			ndy Redox (S5)			urface (S7)
	Black Histic (A3)			pped Matrix (Se			anganese Masses (F12)
	Hydrogen Sulfide (A4)		Loa	my Mucky Min	eral (F1)		nallow Dark Surface (TF12)
	Stratified Layers (A5)		Loa	amy Gleyed Ma		Other (Explain in Remarks)
	2 cm Muck (A10)			pleted matrix (F	,	0	
	Depleted Below Dark S			dox Dark Surfac	. ,		ors of hydrophytic vegetation and
<u> </u>	Thick Dark Surface (A1	· · · · · · · · · · · · · · · · · · ·		pleted Dark Sur	. ,		hydrology must be present,
	Sandy Mucky Mineral (5 cm Mucky Peat or Pe		Rec	dox Depression	IS (F8)	uniess	disturbed or problematic.
	5 cm Mucky r eat of r e	at (00)					
Restrictive L	ayer (if observed):						
Туре:							
Depth (in.)					Hydric	Soil Present?	Yes X No
Remarks:							
	0 Y						
HYDROLO	GY Irology Indicators:						
	ators (minimum of one is	s required: checked all	l that apply)			Secor	ndary Indicators (minimum of two required)
	rface water (A1)			Stained Leaves	(B9)		Surface Soil Cracks (B6)
	gh Water Table (A2)			: Fauna (B13)			Drainage patterns (B10)
	turation (A3)			quatic Plants (B			Dry-Season Water table (C2)
	ater marks (B1) diment Deposits (B2)			en Sulfide Odo d Rhizosphere			Crayfish Burrows (C8)
	ift Deposits (B3)			ce of Reduced			Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1)
	gal Mat or Crust (B4)			Iron Reduction			Geomorphic Position (D2)
	n Deposits (B5)			uck Surface (C			AC-Neutral Test (D5)
	Indation Visible on Aeria			or Well Data (D			
Sp	arsely Vegetated Conca	ive Surface (B8)	Other (Explain in Rem	arks)		
Field Observ	vations:						
Surface Wate		No X	Depths (in	ches):			
Water Table			Depths (in		24		
Saturation Pr		No X	Depths (in	iches): >2	24	Wetland Hydrold	ogy Present? Yes <u>No X</u>
(includes cap	illary fringe)						
Describe Rec	corded Data (Stream gai	ide monitoring well a	erial photos r	vevious inspec	tions) if availa	hle:	
Describe ree	Solded Bala (Olicalii gal	age, monitoring weil, a	ienai priotos, p			010.	
Remarks:							
riomanio.							

Project/Site: _ Jay County Property	City/Cour	nty: 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: 1	Fownship, Range	: Section 19: T23N, I	R14E	
Landform (hillslope, terrace, etc.): Depression		Local relief (cor	ncave, 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, expl	ain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly of	disturbed? A	Are "Normal Circumstances"	" present? Yes	X No
Are Vegetation , Soil , or Hydrology	naturally prob	olematic? (If needed, explain any answ	vers in Remarks.)	

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

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	X X X	No No No	Is the Sampled Area Within a Wetland?	Yes	_X	No	
Remarks: Section III – Forested w	etland							

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant Species?	Indicator Status	Dominance Test worksheet:			
Quercus palustris Quercus palustris	80	X	FACW	Number of Dominant Species That are OBL, FACW or FAC:		5	(A)
3				Total Number of Dominant Species Across All Strata:		5	(B)
5	80	= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC:		100	(A/B)
Sapling/Shrub Stratum (Plot size): 15-ft radius 1. Ulmus americana 2. Quercus palustris 3.	<u>30</u> 10	<u>X</u> X	FACW FACW	Prevalence Index worksheet: Total % Cover of: OBL species	x 1 = x 2 = x 3 = x 4 =	Multiply by:	
Herb Stratum (Plot size): 5-ft radius 1. Quercus palustris	<u>40</u> 5	= Total Cover	FACW	UPL species Column Totals: Prevalence Index = B/A =	x 5 = (A)		(B)
Toxicodendron radicans 3. 4. 5. 6. 7. 8. 9. 10			FAC	Hydrophytic Vegetation Indicato Rapid Test for Hydrophytic X Dominance Test > 50% Prevalence Index is ≤ 3.01 Morphological Adaptations Remarks or on a separate Problematic Hydrophytic V 1Indicators of hydric soil and wetlar unless disturbed or problematic.	vegetati ¹ (Provide sheet) regetation	e supporting data in ¹ (Explain)	
<u>Woody Vine Stratum</u> (Plot size): 30-ft radius 9. 10	7	_ = Total Cover		Hydrophytic Vegetation Yes Present?	_X	No	
Remarks: (Include photo numbers here or on a ser	parate sheet	= Total Cover					
		,					

SOIL								Sampling Point: T3P6
		e to the d	epth needed to c			or confirm th	ne absence of indicators	
Depth	Matrix	<u> </u>		Redox F			- .	
(inches)	Color (moist)	<u>%</u> 85	Color	%	Type ¹		Texture	Remarks
0-8	10YR 4/2	90	10YR 4/6	15	<u> </u>	M	Silty Clay Loam	
8-24	10YR 4/1		10YR 4/6	10	С	Μ	Silty Clay Loam	
					·			
					·			
				·				
					·			
	oncentration, D=Der	olation DN		CS-Covere	d or Cootod So	nd Croina ²	Location: PL=Pore Lining,	N4_Notrix
Hydric Soil I				C3=C0vere	u or Coaleu Sa	nu Grains.	Indicators for Proble	
	Histosol (A1)			San	dy Gleyed mat	rix (S4)		airie Redox (A16)
	Histic Epipedon (A	A2)			dy Redox (S5)		Dark Sur	
	Black Histic (A3))			oped Matrix (Se			ganese Masses (F12)
	Hydrogen Sulfide	(A4)			my Mucky Mine	,		llow Dark Surface (TF12)
	Stratified Layers (. ,			my Gleyed Mat			plain in Remarks)
	2 cm Muck (A10)	-/	e (A11)	Dep	leted matrix (F			······
	Depleted Below D	ark Surfac	e (A11)	Red	lox Dark Surfac		³ Indicator	s of hydrophytic vegetation and
	Thick Dark Surfac			Dep	leted Dark Sur	. ,		ydrology must be present,
	Sandy Mucky Min	. ,			lox Depression:	. ,		sturbed or problematic.
	5 cm Mucky Peat		3)			0 (1 0)		
	,		-,					
Restrictive L	_ayer (if observed)):						
Type:								
Depth (in.)						Hydric	Soil Present?	Yes X No
Remarks:								
1								
HYDROLO	GY							
Wetland Hyd	drology Indicators	:						
Primary Indic	ators (minimum of	one is requ	ired; checked all th	hat apply)			Seconda	ary Indicators (minimum of two required)
Su	Irface water (A1))	X Water-S	Stained Leaves	(B9)	Su	face Soil Cracks (B6)
	gh Water Table (A2	2)			Fauna (B13)			ainage patterns (B10)
	aturation (A3)				uatic Plants (B			-Season Water table (C2)
	ater marks (B1)				en Sulfide Odor			ayfish Burrows (C8)
	ediment Deposits (B	32)			d Rhizospheres			uration Visible on Aerial Imagery (C9)
	ift Deposits (B3)				ce of Reduced			nted or Stressed Plants (D1)
	gal Mat or Crust (B4	4)			Iron Reduction			omorphic Position (D2)
	on Deposits (B5)				ick Surface (C7		X FA	C-Neutral Test (D5)
	undation Visible on				or Well Data (D			
<u> X </u> Sp	parsely Vegetated C	Concave Su	Irface (B8)	Other (E	Explain in Rema	arks)		
Field Ob som								
Field Observ		¥		Dentha (in				
Surface Wate		Yes		Depths (in				
Water Table		Yes	<u>No X</u>	Depths (ind Depths (ind			Wetland Hydrolog	v Brasant? Vas V Na
Saturation Pr		Yes	No <u></u>	Depths (Inc	ches): <u>>2</u>		wetland Hydrolog	y Present? Yes <u>X</u> No
(includes cap	mary mige)							
Describe Rec	corded Data (Strear	m daude m	onitoring well aer	ial nhotos n	revious inspect	ions) if availa	ble:	
200011201100		gaage,	ionitoring from, doi	iai priotoo, p		, in a rand		
Remarks:								

Project/Site: _ Jay County Property	City/Cour	nty: Portland	d/Jay	Samp	le Date:	6/11/2024
Applicant/Owner: Jay County Development Corporation			State: IN	Samp	le Point:	T3P7
Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein	Section:	Fownship, Rang	e: Section 19: T23N, I	R14E		
Landform (hillslope, terrace, etc.): Plain		Local relief (co	oncave, 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, expl	ain in Rem	arks.)	
Are Vegetation, Soil, or Hydrology	significantly of	disturbed?	Are "Normal Circumstances"	" present?	Yes	X No
Are Vegetation , Soil , or Hydrology	naturally prot	plematic?	(If needed, explain any answ	vers in Ren	narks.)	

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

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

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant Species?	Indicator <u>Status</u>	Dominance Test worksheet:		
1. Quercus rubra	40	Χ	FACU	Number of Dominant Species		(A)
2. Malus coronaria	20	Х	UPL	That are OBL, FACW or FAC:	2	(^)
 Ulmus americana 4. 	20	X	FACW	Total Number of Dominant Species Across All Strata:	5	(B)
5	80	= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC:	40	(A/B
Sapling/Shrub Stratum (Plot size): 15-ft radius	40	X	FAOL	Prevalence Index worksheet:		
1. Lonicera morrowii	40	X	FACU	Total % Cover of:	Multip	ly by:
2. Fraxinus pennsylvanica	10	·	FACW	OBL species	x 1 =	
3. Ulmus americana	10	·	FACW	FACW species	x 2 =	
4.		·		FAC species	x 3 =	
5				FACU species	x 4 =	
	60	= Total Cover		UPL species	x 5 =	
Herb Stratum (Plot size): 5-ft radius				Column Totals:	(A)	(B)
1. Persicaria virginiana	55	Х	FAC	Prevalence Index = B/A =		
2. Sanicula odorata	15		FAC	Hydrophytic Vegetation Indic	ators:	
3. Impatiens capensis	15		FACW	Rapid Test for Hydropl	nytic Vegetation	
4. Rosa multiflora	10		FACU	Dominance Test > 50%	6	
5. Toxicodendron radicans	5		FAC	Prevalence Index is ≤ 3	3.0 ¹	
6.				Morphological Adaptat	ions ¹ (Provide suppo	orting data in
7.				Remarks or on a sepa	rate sheet)	0
8.				Problematic Hydrophy	ic Vegetation ¹ (Expl	lain)
9				¹ Indicators of hydric soil and we	tland hydrology m	ust be present,
		·		unless disturbed or problematic		-
Woody Vine Stratum (Plot size): 30-ft radius	100	= Total Cover		Hydrophytic	/es	No X
9				4		
10		= Total Cover				

(p ¥

SOIL									Sampling Point: T3P7
	cription: Describ	e to the d	epth needed to a			or confirm the	e absence of	indicators.)	
Depth	Matrix			Redox F			_		
(inches)	Color (moist)	<u>%</u> 95	Color	%	Type ¹	Loc ²	Text		Remarks
0-12	10YR 4/2		10YR 4/6	5	C	M	Silty Clay		
12-24	10YR 4/1	90	10YR 4/6	10	С	M	Silty Clay	Loam	
				<u> </u>					
				<u> </u>					
				<u> </u>					
				<u> </u>					
17 0.0				~~~~		10 2			
Hydric Soil	oncentration, D=De	pletion, RIV	Reduced Matrix,	CS=Covere	d or Coated Sa	ind Grains I		Pore Lining, M=Mati s for Problematic H	
Hydric Soli	Histosol (A1)			Son	dy Clayed mat	riv (C1)	Indicators	Coast Prairie Re	-
	Histic Epipedon (A 2)			dy Gleyed mat			Dark Surface (S7	
	Black Histic (A3)	RZ)			dy Redox (S5)			Iron-Manganese	
	Hydrogen Sulfide	(1)			oped Matrix (Se	,			rk Surface (TF12)
	Stratified Layers	. ,		Loa	my Mucky Mine my Gleyed Mat			Other (Explain in	
	2 cm Muck (A10)	. ,	e (A11)	Lua	bleted matrix (F				(Remarks)
	Depleted Below [o (A11)	Dep	lox Dark Surfac	,		³ Indicators of by	drophytic vegetation and
	Thick Dark Surface		e (ATT)		leted Dark Surfac	. ,			y must be present,
	Sandy Mucky Mir	. ,			lox Depression:	. ,		unless disturbed	
	5 cm Mucky Peat		2) <u> </u>		lox Depression	5 (FO)		นาแอรร นารเนายอน	or problematic.
	5 CITI MUCKY F Eat	OF Feat (S	3)						
Postrictive	Layer (if observed) .							
	Layer (if observed):							
Type: Depth (in.)						Hudria 9	Soil Present?	Yes	X No
Depth (in.)						Hyunc a	Son Fresent?	Tes	XNo
Remarks:									
HYDROLO									
	drology Indicators cators (minimum of		ired, checked all th	hat apply)				Cocoo do n i la dia	otoro (minimum of two required)
	urface water (A1)	one is requ	illeu, checkeu all ti		Stained Leaves	(B9)			ators (minimum of two required) il Cracks (B6)
	gh Water Table (A2	2)			Fauna (B13)	(85)			atterns (B10)
	aturation (A3)	-)			juatic Plants (B	14)			n Water table (C2)
	ater marks (B1)		—		en Sulfide Odor				urrows (C8)
	ediment Deposits (E	32)		Oxidize	d Rhizospheres	s on Living root	ts (C3)		Visible on Aerial Imagery (C9)
Di	rift Deposits (B3)			Presend	ce of Reduced	Iron (C4)	. ,	Stunted or	Stressed Plants (D1)
AI	gal Mat or Crust (B	4)		Recent	Iron Reduction	in Tilled Soils ((C6)	Geomorphi	ic Position (D2)
	on Deposits (B5)				uck Surface (C7			FAC-Neutr	al Test (D5)
	undation Visible on				or Well Data (D				
Sp	parsely Vegetated (Concave Su	Irface (B8)	Other (I	Explain in Rema	arks)			
Field Obser		N/							
Surface Wat		Yes _		Depths (in					
Water Table Saturation P		Yes	<u>No X</u>	Depths (in Depths (in	· ·		Wotlan	d Hydrology Prese	nt? Vos No Y
(includes car		Yes	No <u></u>	Depths (In	ches): _>2	24	wetiand	a Hydrology Prese	nt? Yes <u>No X</u>
(includes cap	sillary minge)								
Describe Re	corded Data (Strea	m daude, n	nonitoring well, aer	rial photos, p	revious inspect	tions), if availab	ole:		
						,,			
Remarks:									

Project/Site: _ Jay County Property	City/Coun	ty: 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: 1	Township, Range	: Section 19: T23N, I	R14E	
Landform (hillslope, terrace, etc.): Depression		Local relief (cor	ncave, 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, expl	ain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly d	listurbed? A	Are "Normal Circumstances"	" present? Yes	X No
Are Vegetation , Soil , or Hydrology	naturally prob	olematic? (I	If needed, explain any answ	vers in Remarks.)	

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

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	X X X	No No No	Is the Sampled Area Within a Wetland?	Yes X	No	
Remarks: Section I – Forested we	tland						

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant <u>Species?</u>	Indicator <u>Status</u>	Dominance Test worksheet:			
1. Quercus palustris 2.	80	X	FACW	Number of Dominant Species That are OBL, FACW or FAC:		6	(A)
3				Total Number of Dominant Species Across All Strata:		8	(B)
5.	80	= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC:		75	(A/B)
Sapling/Shrub Stratum (Plot size): 15-ft radius		N.	510	Prevalence Index worksheet:			
1. Rhamnus cathartica	30	<u> </u>	FAC	Total % Cover of:		Multiply by:	
2. Crataegus mollis	20	<u> </u>	FAC	OBL species	x 1 =		_
3				FACW species	x 2 = x 3 =		_
4. 5.				FAC species	x 3 = x 4 =		
				UPL species			_
	50	= Total Cover		· · · · · · · · · · · · · · · · · · ·			_
Herb Stratum (Plot size): 5-ft radius				Column Totals:	(A)		(B)
1. Sanicula odorata	20	X	FAC	Prevalence Index = B/A =			
2. Rubus occidentalis	15	X	UPL	Hydrophytic Vegetation Indica			
3. Lycopus americanus	10	X	OBL	Rapid Test for Hydrophy	, 0	ion	
4. Persicaria virginiana	10	X	FAC	X Dominance Test > 50%			
5. Carex cephaloidea	10	X	FACU	Prevalence Index is ≤ 3			
6. Impatiens capensis	5		FACW	Morphological Adaptation		e supporting data i	n
7.				Remarks or on a separa	,		
8				Problematic Hydrophyti	c Vegetatior	n¹ (Explain)	
9		·		¹ Indicators of hydric soil and wet	land hvdrol	oav must be pres	ent.
				unless disturbed or problematic.	,	5,	,
	70	= Total Cover		Hydrophytic			
Woody Vine Stratum (Plot size): 30-ft radius				Vegetation			
				Present?	es _X	No	
9.							
10							
		= Total Cover]			
Remarks: (Include photo numbers here or on a sep	parate sheet	t.)					

US Army Corps of Engineers

SOIL								Sampling Point: T3P8	
		e to the de	epth needed to de			or confirm th	ne absence of indica	tors.)	
Depth	Matrix			Redox F					
(inches)	Color (moist)	<u>%</u> 90	Color	%	Type ¹		Texture	Remarks	
0-18	10YR 4/1	80	10YR 4/6	10	<u> </u>	<u>M</u>	Silty Clay Loam		
18-24	10YR 4/1		10YR 4/6	20	С	М	Silty Clay Loam		
	·		·		. <u> </u>				
	·		·		. <u> </u>				
	·		·		. <u> </u>				
	magnetican D Dar	lation DM	Deduced Metrix C	Course	d as Castad Ca	ad Craina 2	Leastion: DL Dara Lin	ing M. Motrix	
Hydric Soil I	ncentration, D=Dep	Dietion, Rivis	=Reduced Matrix, C	-2=Covered	d of Coaled Sar	id Grains	Location: PL=Pore Lin	oblematic Hydric Soils ³ :	
Hyune Sonn	Histosol (A1)			Son	dy Gleyed matr	iv (S4)		Prairie Redox (A16)	
	Histic Epipedon (A	(2)			dy Redox (S5)	1X (34)		Surface (S7)	
	Black Histic (A3)	~~)			oped Matrix (S6	`		Aanganese Masses (F12)	
	Hydrogen Sulfide	$(\Delta 4)$		 	my Mucky Mine	·		Shallow Dark Surface (TF12)	
	Stratified Layers (. ,	X (A11)		my Gleyed Mat	. ,		(Explain in Remarks)	
	2 cm Muck (A10)	(0)	X		leted matrix (F3				
	Depleted Below D	ark Surface	Δ11) <u>Λ</u>	_ Dep Rod	lox Dark Surfac	,	³ Indic	ators of hydrophytic vegetation and	4
	Thick Dark Surfac				leted Dark Surf	. ,		nd hydrology must be present,	
	Sandy Mucky Mine	. ,			lox Depressions	. ,		s disturbed or problematic.	
	5 cm Mucky Peat				lox Depressions	s (1 0)	unes	s disturbed of problematic.	
	5 cm Mucky r ear		')						
Restrictive	ayer (if observed)								
Type:	ayer (il observeu)	•							
Depth (in.)						Hydric	Soil Present?	Yes X No	
Deptit (iii.)				_		Tryanc	Son resent		
Remarks:									
HYDROLO									
	drology Indicators								
	ators (minimum of o	one is requi	red; checked all the			(5.0)	Sec	ondary Indicators (minimum of two red	quired)
	Inface water (A1)				Stained Leaves	(B9)		Surface Soil Cracks (B6)	
	gh Water Table (A2))			Fauna (B13)			Drainage patterns (B10)	
	ituration (A3)				Juatic Plants (B			Dry-Season Water table (C2)	
	ater marks (B1)	0)			en Sulfide Odor			Crayfish Burrows (C8)	(00)
	diment Deposits (B	2)			d Rhizospheres		ots (C3)	Saturation Visible on Aerial Imagery	(C9)
	ift Deposits (B3)				e of Reduced I		(00)	Stunted or Stressed Plants (D1)	
	gal Mat or Crust (B4	•)			Iron Reduction			Geomorphic Position (D2)	
Iro	n Deposits (B5)		(07)		ick Surface (C7		<u>X</u>	FAC-Neutral Test (D5)	
	undation Visible on				or Well Data (D				
<u> X </u> Sp	arsely Vegetated C	oncave Su	mace (B8)	Other (E	Explain in Rema	arks)			
Field Observ	(otions)								
Surface Wate		Yes	No X	Depths (ind	choc):				
Water Table		Yes		Depths (ind		1			
Saturation Pr		Yes >		Depths (ind			Wetland Hydro	logy Present? Yes X No	
(includes cap		163 /		Deptils (int	<u> </u>		wettand riyuru		
(includes cap	mary minge)								
Describe Red	corded Data (Stream	n daude, m	onitoring well, aeria	al photos, p	revious inspecti	ons), if availa	ble:		
	(J J .,	J J	1		-,,			
Remarks:									

Project/Site: Jay County Project/Site:	roperty	City/Cour	nty: <u>Portlar</u>	nd/Jay	Samp	le Date:	6/7/2024
Applicant/Owner: Jay Cour	nty Development Corporation			State: IN	Samp	le Point:	T3P9
Investigator(s): Ashlee N	N. Nichter, Katelyn L. Gutwein	Section: 1	Township, Ran	ge: Section 19: T23N,	R14E		
Landform (hillslope, terrace, etc	tc.): Plain		Local relief (concave, convex, none):	None		
Slope (%): 0 Lat	at: 40.431217°	Long:	-85.006968°		Datum:	WGS 84	
Soil Map Unit Name: Bro	ookston-Glynwood Complex			NWI classification:	None		
Are climatic/hydrologic conditio	ons on the site typical for this time of year?	Yes X	No	(If no, exp	lain in Rem	arks.)	
Are Vegetation, S	Soil, or Hydrology	significantly of	listurbed?	Are "Normal Circumstances	" present?	Yes	X No
Are Vegetation , S	Soil , or Hydrology	naturally prob	lematic?	(If needed, explain any ans	wers in Rer	narks.)	

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

Hydrophytic Vegetation Present? Hydric Soil Present?	Yes Yes	X	_ No _ No	X	Is the Sampled Area Within a Wetland?	Yes	No	Х
Wetland Hydrology Present?	Yes		No	Х	within a wettand?			
Remarks: Upland forest								

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. Quercus palustris	70	X	FACW	Number of Dominant Species			(A)
2. Crataegus crus-galli	10		FAC	That are OBL, FACW or FAC:		2	
3				Total Number of Dominant Species Across All Strata:		6	(B)
5	80	= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC:		33	(A/B
Sapling/Shrub Stratum (Plot size): 15-ft radius 1. Fraxinus pennsylvanica 2. Lonicera morrowii 3.	<u> </u>	<u> </u>	FACW FACU	Prevalence Index worksheet: Total % Cover of: OBL species FACW species	x 1 = x 2 =	Multiply by:	
4.				FAC species	x2 =		
5.				FACU species	- x = - x = - x = - x = - x = - x = - x = - x = x =		
	40	= Total Cover		UPL species	x 5 =		
Herb Stratum (Plot size): 5-ft radius	40	= Total Cover		Column Totals:	(A)		(B
1. Parthenocissus guinguefolia	50	х	FACU	Prevalence Index = B/A =	(/)		(D)
2. Circaea canadensis	40	<u> </u>	FACU	Hydrophytic Vegetation Indicato	ors:		
3. Persicaria virginiana	10		FAC	Rapid Test for Hydrophyti		on	
ł.				Dominance Test > 50%	0		
b				Prevalence Index is ≤ 3.0	1		
i				Morphological Adaptation		supporting data	in
7				Remarks or on a separate	,		
3				Problematic Hydrophytic	/egetation	(Explain)	
). 10				¹ Indicators of hydric soil and wetla	nd hydrolc	ogy must be pre	sent,
				unless disturbed or problematic.			
Woody Vine Stratum (Plot size): 30-ft radius	100	= Total Cover		Hydrophytic Vegetation Yes Present?		No	х
9. Parthenocissus quinquefolia	20	Х	FACU				
10			-				
	20	= Total Cover					

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

SOIL									Sampling Point: T3P9
	cription: Describ	be to the de	epth needed to			or confirm th	e absence of i	ndicators.)	
Depth (inches)	Matrix Color (moist)	%	Color	Redox F %	Features Type ¹	Loc ²	Textu	0	Remarks
0-24	10YR 4/1	95	10YR 5/6		C	M	Silty Clay L		Remarks
0-24			10110 3/0			111			
								·	
1									
Type: C=Co Hydric Soil I	ncentration, D=De	epletion, RM	=Reduced Matrix	, CS=Covere	d or Coated Sa	and Grains. 2		ore Lining, M=Matrix for Problematic Hyd	
Hydric Soli I	Histosol (A1)			Sar	ndy Gleyed mat	rix (S4)		Coast Prairie Redo	
	Histic Epipedon (A2)			ndy Redox (S5)			Dark Surface (S7)	(((()))
	Black Histic (A3)				pped Matrix (Se			Iron-Manganese M	asses (F12)
	Hydrogen Sulfide	e (A4)		Loa	my Mucky Min	eral (F1)		Very Shallow Dark	
	Stratified Layers			Loa	my Gleyed Ma			Other (Explain in R	emarks)
	2 cm Muck (A10)		X		pleted matrix (F	,		• • • • • •	
	Depleted Below [e (A11)		dox Dark Surfac	. ,			phytic vegetation and
	Thick Dark Surfa	. ,			pleted Dark Sur	. ,		wetland hydrology	
	Sandy Mucky Mir 5 cm Mucky Peat			Rec	dox Depression	s (F8)		unless disturbed or	problematic.
	5 cm Mucky r ea		<i>'</i>)						
Restrictive L	ayer (if observed	l):							
Туре:		,							
Depth (in.)						Hydric	Soil Present?	Yes X	K No
Remarks:									
	-								
HYDROLO	GY drology Indicators								
	ators (minimum of		ired: checked all t	that apply)				Secondary Indicate	ors (minimum of two required)
	Inface water (A1)	ono io roqu			Stained Leaves	(B9)		Surface Soil C	
Hig	gh Water Table (A	2)	_		Fauna (B13)	. ,		Drainage patt	erns (B10)
	turation (A3)		_		quatic Plants (B				Vater table (C2)
	ater marks (B1)		_		en Sulfide Odo			Crayfish Burr	
	ediment Deposits (E ift Deposits (B3)	82)	-		d Rhizosphere ce of Reduced		ts (C3)		sible on Aerial Imagery (C9) ressed Plants (D1)
	gal Mat or Crust (B	4)	-		Iron Reduction		(C6)	Geomorphic F	
	n Deposits (B5)	.,	-		uck Surface (C		()	FAC-Neutral	
Inu	undation Visible on	Aerial Imag	ery (B7)		or Well Data (D				
Sp	arsely Vegetated	Concave Su	rface (B8)	Other (I	Explain in Rem	arks)			
Field Observ	vations:								
Surface Wate		Yes	No X	Depths (in	ches):				
Water Table		Yes		Depths (in		24			
Saturation Pr	resent?	Yes	No X	Depths (in	· · · · · · · · · · · · · · · · · · ·		Wetland	Hydrology Present?	? Yes <u>No X</u>
(includes cap	oillary fringe)								
Describe Rec	corded Data (Strea			rial photos in		tions) if availa	ble:		
Describe rec		in gauge, m	ormoning weil, ac	nai priotos, p			516.		
Remarks:									
Remarks.									

Project/Site:Jay County Property	City/Coun	ty: 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: T	ownship, Range	: Section 19: T23N, I	R14E	
Landform (hillslope, terrace, etc.): Depression		Local relief (cor	ncave, 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, expl	ain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly d	isturbed? A	Are "Normal Circumstances"	" present? Yes	X No
Are Vegetation , Soil , or Hydrology	naturally prob	lematic? (If needed, explain any answ	vers in Remarks.)	

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

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	X X X	No No No	Is the Sampled Area Within a Wetland?	Yes X	No	
Remarks: Section IV – Forested w	etland						

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant Species?	Indicator <u>Status</u>	Dominance Test worksheet:	
Quercus palustris Ulmus americana	20	<u> </u>	FACW FACW	Number of Dominant Species That are OBL, FACW or FAC: 6	(A)
3				Total Number of Dominant Species Across All Strata: 6	(B)
5	40	= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC: 100	(A/B
Sapling/Shrub Stratum (Plot size): 15-ft radius				Prevalence Index worksheet:	
1. Ulmus americana	30	<u> </u>	FACW	Total % Cover of: Multiply by:	
2. Fraxinus pennsylvanica	10	<u> </u>	FACW FAC	OBL species x 1 =	
3. Crataegus crus-galli	10	X	FAC	FACW species x 2 =	_
4 5				FAC species x 3 = FACU species x 4 =	_
)				PACO species x 4 = UPL species x 5 =	
	40	= Total Cover		·	
Herb Stratum (Plot size): 5-ft radius				Column Totals: (A)	(B)
Fraxinus pennsylvanica	5	X	FACW	Prevalence Index = B/A =	
				Hydrophytic Vegetation Indicators:	
3				Rapid Test for Hydrophytic Vegetation	
l				X Dominance Test > 50%	
				Prevalence Index is $\leq 3.0^1$	
				Morphological Adaptations ¹ (Provide supporting data in	1 I
				Remarks or on a separate sheet)	
3				Problematic Hydrophytic Vegetation ¹ (Explain)	
)					4
0				¹ Indicators of hydric soil and wetland hydrology must be prese	ent,
	-	T () O		unless disturbed or problematic.	
	5	= Total Cover		Hydrophytic	
Noody Vine Stratum (Plot size): 30-ft radius				Vegetation Yes X No	
).					
10					
		= Total Cover			

SOIL								Sampling Point: T3P10
	•	e to the d	epth needed to d			or confirm the	e absence of indicat	
Depth	Matrix	<u> </u>		Redox F				
(inches)	Color (moist)	<u>%</u> 95	Color		Type ¹		Texture	Remarks
0-14	10YR 4/1		10YR 4/6	5	C	M	Silty Clay Loam	
14-24	10YR 5/1	95	10YR 5/6	5	С	Μ	Silty Clay Loam	
¹ Type: C=Co	oncentration, D=Dep	pletion, RM	=Reduced Matrix,	CS=Covere	d or Coated Sar	nd Grains. ² L	ocation: PL=Pore Lini	ng, M=Matrix
Hydric Soil		,						oblematic Hydric Soils ³ :
-	Histosol (A1)			Sar	dy Gleyed matr	ix (S4)	Coast	Prairie Redox (A16)
	Histic Epipedon (A	\ 2)			dy Redox (S5)	()	Dark S	Surface (S7)
	Black Histic (A3)	,		Stri	pped Matrix (S6)		langanese Masses (F12)
	Hydrogen Sulfide	(A4)		Loa	my Mucky Mine	,		Shallow Dark Surface (TF12)
	Stratified Layers (. ,			my Gleyed Mat	. ,		(Explain in Remarks)
	2 cm Muck (A10)		X	Der	pleted matrix (F3			
	Depleted Below D	ark Surface	e (A11)	Der	lox Dark Surfac	,	³ Indica	ators of hydrophytic vegetation and
	Thick Dark Surfac		= (ATT)			. ,		id hydrology must be present,
		. ,			pleted Dark Surf	. ,		
	Sandy Mucky Min	. ,		Rec	lox Depressions	5 (F8)	uniess	s disturbed or problematic.
	5 cm Mucky Peat	or Peat (53)					
Destrict	ever (if - been "							
	Layer (if observed)	:						
Type:								
Depth (in.)						Hydric S	oil Present?	Yes X No
Remarks:								
HYDROLO	GY							
	drology Indicators	•						
	cators (minimum of		ired: checked all th	nat apply)			Seco	ondary Indicators (minimum of two required)
	urface water (A1)				Stained Leaves	(B9)		Surface Soil Cracks (B6)
	gh Water Table (A2)			Fauna (B13)	(-)		Drainage patterns (B10)
	aturation (A3)	/			quatic Plants (B	14)		Dry-Season Water table (C2)
	ater marks (B1)				en Sulfide Odor			Crayfish Burrows (C8)
	ediment Deposits (B	2)			d Rhizospheres			Saturation Visible on Aerial Imagery (C9)
	rift Deposits (B3)	_,			ce of Reduced I			Stunted or Stressed Plants (D1)
	gal Mat or Crust (B4	1)			Iron Reduction			Geomorphic Position (D2)
	on Deposits (B5)	,			uck Surface (C7			FAC-Neutral Test (D5)
	undation Visible on	Aerial Imac	erv (B7)		or Well Data (D			
	parsely Vegetated C				Explain in Rema			
<u> </u>	,				,	- /		
Field Observ	vations:							
Surface Wate	er Present?	Yes	No X	Depths (in	ches):			
Water Table		Yes	No X	Depths (in		4		
Saturation P		Yes	No X	Depths (in			Wetland Hydrol	logy Present? Yes X No
(includes cap				· · · · · · · · · · · · · · · · · · ·				<u> </u>
	,							
Describe Re	corded Data (Strear	n gauge, m	onitoring well, aeri	ial photos, p	revious inspecti	ons), if availabl	le:	
			<u> </u>	. /1				
Remarks:								

Project/Site: Jay Count		City/Coun	ity: Portlan			le Date:	6/6/2024
Applicant/Owner: Jay 0	County Development Corporation			State: IN	Samp	le Point:	T3P11
Investigator(s): Ashle	ee N. Nichter, Katelyn L. Gutwein	Section: T	ownship, Rang	ge: Section 19: T23N, I	R14E		
Landform (hillslope, terrace	, etc.): Plain		Local relief (c	oncave, 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 con	ditions on the site typical for this time of year?	Yes X	No	(If no, expl	ain in Rem	arks.)	
Are Vegetation	, Soil , or Hydrology	significantly d	listurbed?	Are "Normal Circumstances"	" present?	Yes	X No
Are Vegetation	, Soil , or Hydrology	naturally prob	lematic?	(If needed, explain any answ	vers in Ren	narks.)	

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

Hydrophytic Vegetation Present? Hydric Soil Present?	Yes Yes	No No	X X	Is the Sampled Area	Yes	N	o X	
Wetland Hydrology Present?	Yes	No	Х	Within a Wetland?				
Remarks: Upland forest								

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant Species?	Indicator Status	Dominance Test worksheet:		
 Quercus rubra Carya laciniosa 	<u>40</u> 30	<u> </u>	FACU FACW	Number of Dominant Species That are OBL, FACW or FAC:	4	(A)
3				Total Number of Dominant Species Across All Strata:	8	(B)
5	70	= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC:	50	(A/B
Sapling/Shrub Stratum (Plot size): 15-ft radius	45	V	FACU	Prevalence Index worksheet: Total % Cover of:	Multiply by v	
	<u>15</u> 10	<u> </u>	FACU	OBL species	Multiply by: x 1 =	
2. <u>Aesculus glabra</u> 3. Carpinus caroliniana	10	<u> </u>	FAC	FACW species	x 2 =	
4. Carpinus caroliniana	10	<u> </u>	FAC	FAC species	x 2 =	
5.		<u> </u>		FAC species	x 4 =	
				UPL species		
	35	= Total Cover				
Herb Stratum (Plot size): 5-ft radius				Column Totals:	(A)	(B)
1. Parthenocissus quinquefolia	60	<u> </u>	FACU	Prevalence Index = B/A =		
2. Fraxinus pennsylvanica	20	X	FACW	Hydrophytic Vegetation Indica		
3. Lonicera tatarica	20	X	FACU	Rapid Test for Hydroph	, ,	
4.				Dominance Test > 50%		
5				Prevalence Index is ≤ 3		
δ					ons ¹ (Provide supporting data	a in
7.				Remarks or on a separ	,	
8				Problematic Hydrophyt	ic Vegetation (Explain)	
9 10				¹ Indicators of hydric soil and we	tland hvdrology must be pre	esent.
				unless disturbed or problematic.	, , ,	,
	100	= Total Cover		Hydrophytic		
Woody Vine Stratum (Plot size): 30-ft radius				Vegetation		
<u>······</u> (······, ······················				Present?	es No	Х
9.						
10						
		= Total Cover				
		-				

SOIL									ampling Point: T3P11
	cription: Describ	e to the de	pth needed to do			confirm the a	bsence of i	ndicators.)	
Depth	Matrix			Redox Fea			-		
(inches)	Color (moist)	<u>%</u>	Color	%	Type ¹	Loc ²	Textu	re	Remarks
0-4	10YR 2/1			<u> </u>	·		Loam		
4-		<u> </u>			<u> </u>		Cobblestor		
		<u> </u>		<u> </u>	<u> </u>				
			·	·	·	<u> </u>			
					<u> </u>				
			·	·	· ·				
¹ Type: C=Co	oncentration, D=Dep	pletion, RM=	Reduced Matrix, C	S=Covered o	r Coated Sand	Grains. ² Loc	ation: PL=Po	ore Lining, M=Matrix	
Hydric Soil		,						for Problematic Hyd	ric Soils ³ :
	Histosol (A1)			Sandy	Gleyed matrix	(S4)		Coast Prairie Redox	: (A16)
	Histic Epipedon (A	42)		Sandy	Redox (S5)	_		Dark Surface (S7)	
	Black Histic (A3)				ed Matrix (S6)	_		Iron-Manganese Ma	
	Hydrogen Sulfide	. ,			Mucky Minera			Very Shallow Dark S	
	Stratified Layers (A5)			Gleyed Matrix	(F2) _		Other (Explain in Re	emarks)
	2 cm Muck (A10)		· · · · · ·		ed matrix (F3)			21	
	Depleted Below D		(A11)	-	Dark Surface (,			phytic vegetation and
	Thick Dark Surfac	. ,			ed Dark Surfac	. ,		wetland hydrology n	
—	Sandy Mucky Min		·	Redox	Depressions (F	-8)		unless disturbed or	problematic.
	5 cm Mucky Peat	or Peat (53)						
Restrictive	Layer (if observed)).							
Type:	Layer (il observed)	,.							
Depth (in.)				_		Hydric Soil	I Present?	Yes	No X
Doptii (iiii)				_					
Remarks: So	oil appeared to be fil	I material ov	verlving cobblestone	e from the nea	arbv railroad.				
HYDROLO	θGY								
	drology Indicators	:							
	cators (minimum of		red; checked all tha						rs (minimum of two required)
	urface water (A1)				ined Leaves (B	9)		Surface Soil C	
	gh Water Table (A2	2)		_ Aquatic Fa				Drainage patte	
	aturation (A3)				tic Plants (B14) Sulfide Odor (C			Dry-Season W Crayfish Burro	(c2)
	'ater marks (B1) ediment Deposits (B	(2)				n Living roots (0	(3)		ble on Aerial Imagery (C9)
	rift Deposits (B3)	~~)			of Reduced Iron		00)		essed Plants (D1)
	gal Mat or Crust (B4	4)				Tilled Soils (C6	5)	Geomorphic P	
Irc	on Deposits (B5)			Thin Muck	Surface (C7)		-	FAC-Neutral T	est (D5)
	undation Visible on				Well Data (D9)				
Sp	parsely Vegetated C	Concave Sur	face (B8)	Other (Exp	olain in Remark	s)			
Field Obser	votione								
Surface Wat		Yes	No X	Depths (inche	<i>se).</i>				
Water Table		Yes		Depths (inche					
Saturation P		Yes		Depths (inche			Wetland	Hydrology Present?	Yes No X
	oillary fringe)							,	
Describe Re	corded Data (Strear	m gauge, m	onitoring well, aeria	l photos, prev	vious inspection	s), if available:			
Remarks:									

Project/Site: Jay County	Property	City/Coun	ity: Portlan	id/Jay	Samp	le Date:	6/11/2024
Applicant/Owner: Jay C	ounty Development Corporation			State: IN	Samp	le Point:	T3P12
Investigator(s): Ashlee	e N. Nichter, Katelyn L. Gutwein	Section: T	ownship, Rang	ge: Section 19: T23N, I	R14E		
Landform (hillslope, terrace,	, etc.): Plain		Local relief (c	oncave, 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 cond	litions on the site typical for this time of year?	Yes X	No	(If no, expl	ain in Rem	arks.)	
Are Vegetation	, Soil , or Hydrology	significantly d	listurbed?	Are "Normal Circumstances"	" present?	Yes	X No
Are Vegetation	, Soil , or Hydrology	naturally prob	lematic?	(If needed, explain any answ	vers in Ren	narks.)	

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

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

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant Species?	Indicator <u>Status</u>	Dominance Test worksheet:		
1. Quercus alba	60	Х	FACU	Number of Dominant Species		(A)
2. Prunus serotina	30	X	FACU	That are OBL, FACW or FAC:	4	(八)
3. Carya ovata	10		FACU	Total Number of Dominant		(B)
4.				Species Across All Strata:	8	(8)
5				Percent of Dominant Species		(.
	100	= Total Cover		That are OBL, FACW, or FAC:	50	(A/B)
Sapling/Shrub Stratum (Plot size): 15-ft radius				Prevalence Index worksheet:		
1. Lonicera morrowii	20	Х	FACU	Total % Cover of:	Multiply by:	
2. Aesculus glabra	10	Х	FAC	OBL species	x 1 =	
3. Fraxinus pennsylvanica	10	Х	FACW	FACW species	x 2 =	
4. Lindera benzoin	10	Х	FACW	FAC species	x 3 =	
5.				FACU species	x 4 =	
	50	= Total Cover		UPL species	x 5 =	
Herb Stratum (Plot size): 5-ft radius				Column Totals:	(A)	(B)
1. Parthenocissus quinquefolia	30	Х	FACU	Prevalence Index = B/A =		、 ,
2. Sanicula odorata	25	Х	FAC	Hydrophytic Vegetation Indica	tors:	
3. Cryptotaenia canadensis	10		FAC	Rapid Test for Hydrophy	tic Vegetation	
4. Arisaema triphyllum	5		FACW	Dominance Test > 50%	0	
5.	-			Prevalence Index is ≤ 3	.0 ¹	
6.				Morphological Adaptatio	ons ¹ (Provide supporting	data in
7.				Remarks or on a separa	ite sheet)	
8.				Problematic Hydrophytic	c Vegetation ¹ (Explain)	
9				¹ Indicators of hydric soil and wet	land hydrology must h	o procont
					ianu nyurology musi b	e present,
	70	Tatal Osuan		unless disturbed or problematic.		
Woody Vine Stratum (Plot size): 30-ft radius	70	= Total Cover		Hydrophytic Vegetation		
woody vine Stratum (Flot Size). 30-It ladius				Present?	es N	• _X
9.					·	
10				1		
		= Total Cover		1		
		-				

(I e p ¥

SOIL									Sampling Point: T3P12
	cription: Describ	e to the d	epth needed to			or confirm th	e absence of	f indicators.)	
Depth	Matrix			Redox F			_		
(inches)	Color (moist)	<u>%</u> 95	Color		Type ¹	Loc ²	Text		Remarks
0-10	10YR 2/1	90	10YR 4/6	5	<u> </u>	<u>M</u>	Silt Loam		
10-24	10YR 3/1		10YR 5/6	10	С	M	Silty Clay	Loam	
		alatian DM	Deduced Matrix		d ar Caatad Ca	nd Croins 2	Leastion: DL	Dara Lining M. Mat	
Hydric Soil I	oncentration, D=Dep	pletion, Rivi	=Reduced Matrix,	CS=Covere	d or Coated Sa	nd Grains		Pore Lining, M=Mat s for Problematic I	
Hydric Soli i	Histosol (A1)			Son	dy Clayed mat	riv (C4)	mulcators	Coast Prairie Re	-
	Histic Epipedon (A	12)			idy Gleyed mati idy Redox (S5)			Dark Surface (S	
	Black Histic (A3)	72)			oped Matrix (S6			Iron-Manganese	,
	Hydrogen Sulfide	(ΔA)			my Mucky Mine	,			ark Surface (TF12)
	Stratified Layers (. ,			my Gleyed Mat	. ,		Other (Explain in	· · · · · ·
	2 cm Muck (A10)	AJ)			bleted matrix (F:				TRemarks)
	Depleted Below D	ark Surfac	e (A11) X		lox Dark Surfac	,		³ Indicators of by	drophytic vegetation and
	Thick Dark Surfac				leted Dark Surlac	. ,			gy must be present,
	Sandy Mucky Min	. ,			lox Depressions	. ,		unless disturbed	
	5 cm Mucky Peat				lox Depression	5 (1 0)			of problematic.
	5 CITI MUCKY Feat	UI Feat (3)						
Restrictive	Layer (if observed)								
Type:	Layer (II Observed)								
Depth (in.)						Hydric	Soil Present?	Yes	X No
Deptit (iii.)						nyunc	Son Fresent?	165	
Remarks:									
rtomanto.									
l									
HYDROLO	GY								
	drology Indicators								
	cators (minimum of	one is requ	ired; checked all t						cators (minimum of two required)
	urface water (A1)		_		Stained Leaves	(B9)			oil Cracks (B6)
	gh Water Table (A2	2)	_		Fauna (B13)				patterns (B10)
	aturation (A3)				quatic Plants (B				n Water table (C2)
	ater marks (B1)				en Sulfide Odor		()		urrows (C8)
	ediment Deposits (B	52)			d Rhizospheres		ts (C3)		Visible on Aerial Imagery (C9)
	ift Deposits (B3)	4)			ce of Reduced I		(00)		Stressed Plants (D1)
	gal Mat or Crust (B4	+)			Iron Reduction		(C6)		ic Position (D2)
	on Deposits (B5) undation Visible on	Aorial Imag			uck Surface (C7 or Well Data (D			FAC-Neuli	ral Test (D5)
	barsely Vegetated C				Explain in Rema				
SP	baisely vegetated C	Juncave Su				aiks)			
Field Observ	vations:								
Surface Wate		Yes	No X	Depths (in	ches):				
Water Table		Yes	No X	Depths (in		24			
Saturation Pr	resent?	Yes	No X	Depths (in			Wetland	d Hydrology Prese	ent? Yes No X
(includes cap	oillary fringe)				·				
Describe Red	corded Data (Strear	m gauge, m	onitoring well, aei	rial photos, p	revious inspect	ions), if availat	ole:		
Remarks:									
Remarks.									

Project/Site: _ Jay County Property	City/Cour	ty: 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: 1	Township, Range	e: Section 19: T23N, I	R14E	
Landform (hillslope, terrace, etc.): Depression		Local relief (cor	ncave, 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, expl	ain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly of	listurbed?	Are "Normal Circumstances"	" present? Yes	X No
Are Vegetation , Soil , or Hydrology	naturally prob	olematic? (If needed, explain any answ	vers in Remarks.)	

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

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	$\frac{X}{X}$	No No No	Is the Sampled Area Within a Wetland?	Yes	X	No	
Remarks: Section II – Forested we	etland							

<u>Tree Stratum</u> (Plot size): 30-ft radius 1. <i>Ulmus americana</i>	Absolute <u>% Cover</u> 10	Dominant <u>Species?</u> X	Indicator <u>Status</u> FACW	Dominance Test worksheet: Number of Dominant Species			
2.				That are OBL, FACW or FAC:		2	(A)
3				Total Number of Dominant Species Across All Strata:		3	(B)
5	10	= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC:		67	(A/B)
Sapling/Shrub Stratum (Plot size): 15-ft radius 1. <i>Fraxinus pennsylvanica</i> 2.	20	X	FACW	Prevalence Index worksheet: Total % Cover of: OBL species	x 1 =	Multiply by:	
3.				FACW species	x 2 =		
4		·		FAC species FACU species	x 3 = x 4 =		
····	20	= Total Cover		UPL species	x 5 =		
<u>Herb Stratum</u> (Plot size): 5-ft radius 1. <i>Parthenocissus quinquefolia</i>			FACU	Column Totals: Prevalence Index = B/A =	(A)		(B)
2.				Hydrophytic Vegetation Indicat			
3.				Rapid Test for Hydrophy X Dominance Test > 50%	tic Vegetat	tion	
4				X Dominance Test > 50% Prevalence Index is ≤ 3.	0 ¹		
6.		·		Morphological Adaptatio	-	e supporting data i	n
7.				Remarks or on a separa	te sheet)		
8				Problematic Hydrophytic	Vegetation	n¹ (Explain)	
9. 10		·		¹ Indicators of hydric soil and wet	and hvdro	loav must be pres	sent.
		·		unless disturbed or problematic.	, ,	3,	
	10	= Total Cover		Hydrophytic			
Woody Vine Stratum (Plot size): 30-ft radius				Vegetation Ye Present?	s _X	No	
9.				i resent.			
10							
		= Total Cover					
Remarks: (Include photo numbers here or on a sep	parate shee	t.)		1			

SOIL									Sampling Point: T3P13
Profile Des	cription: Describ	e to the d	epth needed to d	locument t	he indicator of	or confirm the	absence of ind	icators.)	·
Depth	Matrix			Redox F	eatures			-	
(inches)	Color (moist)	%	Color	%	Type ¹	Loc ²	Texture		Remarks
0-6	10YR 2/1	95	10YR 4/6	5	С	Μ	Silty Clay Loa	m	
6-24	10YR 3/1	90	10YR 4/6	10	С	Μ	Silty Clay Loa	m	
¹ Type: C-Co	oncentration D-Der	oletion RM	-Reduced Matrix	CS-Covere	d or Coated Sa	nd Grains ² I (ocation: PI -Pore	Lining M-Matri	Y
inguite com				San	dy Gleved matr	ix (S4)			
	Profile Description: Describe to the depth needed to document the indicator or confirm the absence of indicators.) Depth Matrix Redox Features (inches) Color (moist) % Color % Type1 Loc2 Texture Remarks 0-6 10YR 2/1 ⁹⁵ 10YR 4/6 5 C M Silty Clay Loam								
	Profile Description: Descr		·						
		(\ 1)				·			
		. ,				. ,			
		AJ)		Loa					Remarks)
	. ,	orly Curfoo	a (A11)			,	31	diantara of bud	Ironhutic constation and
	•		e (ATT) <u>X</u>			. ,			
		. ,				. ,			
		. ,		Red	ox Depressions	s (F8)	uni	ess disturbed	or problematic.
	5 cm Mucky Peat	or Peat (S	3)						
	Layer (if observed)):							
Depth (in.)						Hydric So	oil Present?	Yes	X No
Remarks:									
HYDROLO	GY								
			ired: checked all th	at apply)			S	econdary Indic	ators (minimum of two required)
		0.10 10 10 40			Stained Leaves	(B9)			
)				()			
		/				14)			
	. ,								
		2)					(C3)		
		_/					()		
		1)					C6) X		
		,							
		Aerial Imag	perv (B7)						
<u> </u>									
Field Obser	vations:								
Surface Wat	er Present?	Yes	No X	Depths (in	ches):				
						4			
					· ·		Wetland Hvo	droloav Preser	nt? Yes X No
				-1 (5,	
(5 5 7								
Describe Re	corded Data (Strear	n gauge, n	nonitoring well, aeria	al photos, p	revious inspecti	ions), if available	9:		
Remarks:									
L									

Project/Site: Jay County Property		City/Cour	nty: Portlar			le Date:	6/6/2024
Applicant/Owner: Jay County De	evelopment Corporation			State: IN	Samp	le Point:	T3P14
Investigator(s): Ashlee N. Nich	nter, Katelyn L. Gutwein	Section:	Fownship, Rang	ge: Section 19: T23N,	R14E		
Landform (hillslope, terrace, etc.):	Drain		Local relief (c	oncave, convex, none):	Concave		
Slope (%): 0 Lat:	40.431217°	Long:	-85.006968°		Datum:	WGS 84	
Soil Map Unit Name: Glynwoo	od silt loam	_		NWI classification:	R4SB		
Are climatic/hydrologic conditions or	the site typical for this time of year?	Yes X	No	(If no, exp	lain in Rem	arks.)	
Are Vegetation , Soil	, or Hydrology	significantly of	disturbed?	Are "Normal Circumstances	" present?	Yes	X No
Are Vegetation , Soil	, or Hydrology	naturally prot	olematic?	(If needed, explain any answ	wers in Rer	narks.)	

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

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	X X	No No No	X	Is the Sampled Area Within a Wetland?	Yes	No	_X
Remarks: Drain 1 – Intermittent Dr of delineation. Delineated at the or							ide with no water flow	ving at the time

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant <u>Species?</u>	Indicator Status	Dominance Test workshee	et:		
1				Number of Dominant Species That are OBL, FACW or FAC:			(A)
3				Total Number of Dominant Species Across All Strata:			(B)
5.		= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC:			(A/B)
Sapling/Shrub Stratum (Plot size): 15-ft radius 1.				Prevalence Index workshe Total % Cover of: OBL species FACW species FAC species	x 1 = x 2 =		
5.				FACU species	x 4 =		
Herb Stratum (Plot size): 5-ft radius 1		= Total Cover		UPL species Column Totals: Prevalence Index = B/.	x 5 = (A)		(B)
2. 3. 4. 5. 6. 7. 8.				Hydrophytic Vegetation In Rapid Test for Hydr Dominance Test > 1 Prevalence Index is Morphological Adap Remarks or on a se Problematic Hydrop	rophytic Vegeta 50% s ≤ 3.0 ¹ otations ¹ (Provic eparate sheet)	e supporting data	in .
9 10				¹ Indicators of hydric soil and unless disturbed or problema		logy must be pre	sent,
<u>Woody Vine Stratum</u> (Plot size): 30-ft radius 9.		= Total Cover		Hydrophytic Vegetation Present?	Yes	No	Х
10		= Total Cover					
Remarks: (Include photo numbers here or on a se No vegetation present below the OHWM	parate shee	t.)		1			

US Army Corps of Engineers

SOIL								Sampling Point: T3P14
Profile Des	cription: Describe	e to the d	epth needed to do	cument t	he indicator o	or confirm th	e absence of indicators	5.)
Depth	Matrix							
(inches)	Color (moist)		Color	%	Type ¹	Loc ²	Texture	Remarks
0-24	10YR 4/1	80	10YR 4/6	20	С	M	Silty Clay Loam	
					·			
			·		<u> </u>			
	noontration D_Don	lation BM	-Reduced Metrix C	Covered	l or Contod So	nd Croina 2	Location: DL - Doro Lining	M_Matrix
				5=Covered	I OF COALEU SA	nu Grains.		
Hydric Soli I				Con		iv (C 4)		
	. ,	2)		-		IX (34)		
		2)		-	• • • •			
		()			•	,		
				-				
		45)		Loar			Other (Ex	plain in Remarks)
	. ,		<u>X</u>	Depl		,		
			e (A11)	Red	ox Dark Surfac	e (F6)		
	Thick Dark Surface	e (A12)		Depl	eted Dark Surf	ace (F7)	wetland h	ydrology must be present,
	Sandy Mucky Mine	eral (S1)		Red	ox Depressions	s (F8)	unless dis	sturbed or problematic.
	5 cm Mucky Peat	or Peat (S3	3)					
	-							
Restrictive L	ayer (if observed)							
Type:	- ,,							
Depth (in.)				-		Hvdric S	Soil Present?	Yes X No
	Construction Solution Color Solution Type Loc Toture Remarks 224 10YR 4/1 0 10YR 4/6 20 C M Silty Clay Loarn							
Remarks:								
Remarks.								
HYDROLO	GY							
Wetland Hyd	drology Indicators:							
Primary Indic	ators (minimum of c	one is requ	ired; checked all that	t apply)			Seconda	ary Indicators (minimum of two required)
Su	Irface water (A1)			Water-S	tained Leaves	(B9)	Sur	face Soil Cracks (B6)
Hig	gh Water Table (A2))		Aquatic	Fauna (B13)		Dra	inage patterns (B10)
X Sa	turation (A3)			True Aq	uatic Plants (B	14)	Dry	-Season Water table (C2)
Wa	ater marks (B1)			Hydroge	n Sulfide Odor	(C1)	Cra	yfish Burrows (C8)
Se	diment Deposits (B	2)		Oxidized	Rhizospheres	on Living root	ts (C3) Sat	uration Visible on Aerial Imagery (C9)
Dr	ift Deposits (B3)	,		Presenc	e of Reduced I	ron (C4)	Stu	nted or Stressed Plants (D1)
		.)		Recent I	ron Reduction	in Tilled Soils	(C6) Geo	omorphic Position (D2)
		,						
		Aerial Imac	erv (B7)					
0	,					- /		
Field Observ	vations:							
		Yes	No X [Depths (inc	hes):			
				• •	· · · · · · · · · · · · · · · · · · ·		Wetland Hydrology	Present? Yes X No
			<u> </u>	- op (e	<u> </u>			<u> </u>
(included oup	mary milgo)							
Describe Rec	corded Data (Stream	n daude m	onitoring well aerial	photos pr	evious inspecti	ions) if availat	ole:	
		. <u>3</u>		F				
Remarks:								
Delineated a	at the ordinary high	n water ma	ark (OHWM), 8 inch	es above	the flow line.,	Defined bed	and bank.	

Project/Site: Jay County Property	City/Cour	nty: Portlan	d/Jay	Samp	le Date:	6/6/2024
Applicant/Owner: Jay County Development Corporation			State: IN	Samp	le Point:	T3P15
Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein	Section: 7	Township, Rang	ge: Section 19: T23N, I	R14E		
Landform (hillslope, terrace, etc.): Plain		Local relief (c	oncave, 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, expl	ain in Rem	iarks.)	
Are Vegetation, Soil, or Hydrology	significantly of	disturbed?	Are "Normal Circumstances"	" present?	Yes	X No
Are Vegetation , Soil , or Hydrology	naturally prob	olematic?	(If needed, explain any answ	vers in Rer	narks.)	

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

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

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test workshee	t:		
1. Quercus rubra	50	X	FACU	Number of Dominant Species			
2. Tilia americana	20	X	FACU	That are OBL, FACW or FAC:		4	(A)
3. Quercus alba	20	X	FACU	Total Number of Dominant			
4. Aesculus glabra	10		FAC	Species Across All Strata:		12	(B)
5.				Percent of Dominant Species			
	100	= Total Cover		That are OBL, FACW, or FAC:		33	(A/B)
Sapling/Shrub Stratum (Plot size): 15-ft radius				Prevalence Index workshe	ot:		
1. Acer saccharum	10	х	FACU	Total % Cover of:	е	Multiply by:	
2. Aesculus glabra	5	<u> </u>	FAC	OBL species	x 1 =	wompry by.	
3.		<u> </u>	- 1710	FACW species	x 2 =		
4.				FAC species	x 3 =		
5.				FACU species	x 3 = x 4 =		
5.				UPL species	x 4 = x 5 =		
	15	= Total Cover		OFL species	x 5 =		
Herb Stratum (Plot size): 5-ft radius				Column Totals:	(A)		(B)
1. Parthenocissus quinquefolia	10	Х	FACU	Prevalence Index = B/	A =		
2. Fraxinus pennsylvanica	10	Х	FACW	Hydrophytic Vegetation Inc	dicators:		
3. Asarum canadense	5	X	FACU	Rapid Test for Hydr	rophytic Vegetati	on	
4. Sanicula odorata	5	X	FAC	Dominance Test >	50%		
5. Carya laciniosa	5	Х	FACW	Prevalence Index is	$s \le 3.0^{1}$		
6. Rosa multiflora	5	X	FACU	Morphological Adap	otations ¹ (Provide	e supporting dat	a in
7. Hydrophyllum macrophyllum	5	X	UPL	Remarks or on a se		oupporting aut	
8.				Problematic Hydrop	hvtic Vegetation	¹ (Explain)	
9.					,	(T · ·)	
10				¹ Indicators of hydric soil and	wetland hydrol	ogy must be pr	esent,
	-		-	unless disturbed or problema	atic.		
	45	= Total Cover		Hydrophytic			
Woody Vine Stratum (Plot size): 30-ft radius		-		Vegetation	Vee	Na	
<u> </u>				Present?	Yes	No	Х
9.					-		
10	-		-				
		= Total Cover		1			

p

SOIL								;	Sampling Point: T3P15
Profile Des	cription: Describ	e to the d	epth needed to a	document t	he indicator c	or confirm th	ne absence of	indicators.)	
Depth	Matrix			Redox F					
(inches)	Color (moist)	%	Color	%	Type ¹	Loc ²	Text		Remarks
0-11	10YR 3/1	100					Silty Clay		
11-24	10YR 5/2	95	10YR 5/6	5	С	Μ	Silty Clay	Loam	
				·					
	-			·					
¹ Type: C=C	oncentration, D=De	pletion RM	=Reduced Matrix	CS=Covered	d or Coated Sar	nd Grains ²	Location: PL =F	ore Lining, M=Matrix	
Hydric Soil				00-0010100				for Problematic Hy	
	Histosol (A1)			San	dy Gleyed matri	ix (S4)	maioatore	Coast Prairie Redo	
	Histic Epipedon (Δ2)	·		dy Redox (S5)			Dark Surface (S7)	((((0))
	Black Histic (A3)	(2)			ped Matrix (S6)	\ \		Iron-Manganese M	
	Hydrogen Sulfide	()						Very Shallow Dark	
	, ,	. ,			my Mucky Mine				
	Stratified Layers	. ,			ny Gleyed Matr			Other (Explain in R	(emarks)
	2 cm Muck (A10)		·····		leted matrix (F3	,		a	
<u>X</u>	Depleted Below [e (A11)	Red	ox Dark Surface	e (F6)			ophytic vegetation and
	Thick Dark Surfa	ce (A12)		Depl	leted Dark Surfa	ace (F7)		wetland hydrology	must be present,
	Sandy Mucky Mir	neral (S1)		Red	ox Depressions	(F8)		unless disturbed of	r problematic.
	5 cm Mucky Peat	or Peat (S	3)						
Restrictive	Layer (if observed):							
Type:		,-							
Depth (in.)						Hydric	Soil Present?	Yes	X No
Doptii (iii.)						nyano			
Remarks:									
HYDROLC	DGY								
Wetland Hy	drology Indicators	5:							
Primary Indi	cators (minimum of	one is requ	ired; checked all th	hat apply)				Secondary Indicat	ors (minimum of two required)
Si	urface water (A1)			Water-S	tained Leaves	(B9)		Surface Soil	Cracks (B6)
Hi	igh Water Table (A	2)		Aquatic	Fauna (B13)			Drainage pat	terns (B10)
Sa	aturation (A3)			True Aq	uatic Plants (B1	4)		Dry-Season \	Water table (C2)
W	ater marks (B1)			Hydroge	en Sulfide Odor	(C1)		Crayfish Burr	rows (C8)
	ediment Deposits (I	32)			Rhizospheres		ts (C3)		sible on Aerial Imagery (C9)
	rift Deposits (B3)	,			e of Reduced I				tressed Plants (D1)
	Igal Mat or Crust (B	4)	_		Iron Reduction		(C6)	Geomorphic	
	on Deposits (B5)	.,			ck Surface (C7)		(00)	FAC-Neutral	
	undation Visible on	Aerial Imag	nerv (B7)		or Well Data (D				1001 (20)
	parsely Vegetated (Explain in Rema				
0	pulsely vegetated					11(3)			
Field Obser	vations:								
Surface Wat		Yes	No X	Depths (inc	ches):				
Water Table		Yes	No X	Depths (inc	· · ·	4			
Saturation P		Yes	No X	Depths (inc			Wetland	Hydrology Present	?Yes No X
	pillary fringe)			Boptilo (inc	<u> </u>	·	modulie	i nyai ology i rocont	
(includes ca	piliary milge/								
Describe Re	corded Data (Strea	m daude m	onitoring well aer	rial photos pr	evious inspecti	ons) if availal	ble:		
2000		gaago,	ionitoring tron, aor	iai priotoo, pi	orioue mepoou				
Remarks:									
							-		

Project/Site:Jay County Property	City/Cour	ty: Portland	/Jay	Samp	le Date:	6/6/2024
Applicant/Owner: Jay County Development Corporation			State: IN	Samp	le Point:	T4P1
Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein	Section:	Township, Range	R14E			
Landform (hillslope, terrace, etc.): Plain		Local relief (cor	ncave, 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, expl	ain in Rem	arks.)	
Are Vegetation, Soil, or Hydrology	significantly of	listurbed? A	Are "Normal Circumstances"	" present?	Yes	X No
Are Vegetation , Soil , or Hydrology	naturally prob	olematic? (If needed, explain any ansv	vers in Rer	narks.)	

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

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

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant <u>Species?</u>	Indicator Status	Dominance Test worksheet:			
1. Acer saccharum	80	X	FACU	Number of Dominant Species			(A)
2. Ulmus americana	20	X	FACW	That are OBL, FACW or FAC:		3	
3				Total Number of Dominant Species Across All Strata:		5	(B)
5	100	= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC:		60	(A/B)
Sapling/Shrub Stratum (Plot size): 15-ft radius	40	v	FAC	Prevalence Index worksheet: Total % Cover of:		Multiply by	
1. <u>Aesculus glabra</u> 2.	40	<u> </u>	FAC	OBL species	x 1 =	Multiply by:	
3.		·		FACW species			
1		· · · · · · · · · · · · · · · · · · ·		FAC species			—
5.		· · · · · · · · · · · · · · · · · · ·		FACU species	- x = x = x = x = x = x = x = x = x = x		-
···				UPL species			
	40	= Total Cover		•	_	· · · · · · · · · · · · · · · · · · ·	— (D)
Herb Stratum (Plot size): 5-ft radius	45	N/	FACU	Column Totals:	(A)	· · · · · · · · · · · · · · · · · · ·	(B)
1. <u>Circaea canadensis</u>	<u>45</u> 40	<u> </u>	FACU	Prevalence Index = B/A =			
2. <u>Sanicula odorata</u> 3. <u>Asarum canadense</u>		<u> </u>	FAC	Hydrophytic Vegetation Indicato			
/ iourum ouriduorido	<u> </u>	·	FACU	X Rapid Test for Hydrophytic X Dominance Test > 50%	c vegetat	ion	
4. <u>Parthenocissus quinquefolia</u> 5.	5	·	FACU				
5. 6.		·		Prevalence Index is $\leq 3.0^{1}$			
7.		· · · · · · · · · · · · · · · · · · ·		Morphological Adaptations Remarks or on a separate		e supporting data ii	1 I
8.		· · · · · · · · · · · · · · · · · · ·		Problematic Hydrophytic \	,		
9.		· · · · · · · · · · · · · · · · · · ·			egetation	i (Explain)	
10		·		¹ Indicators of hydric soil and wetla	nd hydrol	oav must he pres	ont
		·		·	iu nyui u	ogy must be pres	ent,
	100	= Total Cover		unless disturbed or problematic. Hydrophytic			
Woody Vine Stratum (Plot size): 30-ft radius	100			Vegetation			
				Present? Yes	Х	No	
9.							
10							
		= Total Cover		1			
		-					
Remarks: (Include photo numbers here or on a sep	parate shee	t.)					

SOIL								Sampling Point: T4P1	1
Profile Des	cription: Describ	e to the de	pth needed to d	ocument the	indicator or	confirm the al	bsence of indicator	s.)	
Depth	Matrix			Redox Fea					
(inches)	Color (moist)	%	Color	%	Type ¹	Loc ²	Texture	Remarks	
0-10	10YR 4/1	100					Silt Loam		
10-24	10YR 4/2	100					Silt Loam		
					·				
¹ Type: C=Co	oncentration, D=De	pletion. RM=	Reduced Matrix.	CS=Covered o	r Coated Sand	Grains. ² Loca	ation: PL=Pore Lining,	M=Matrix	
Hydric Soil								matic Hydric Soils ³ :	
	Histosol (A1)			Sandv	Gleyed matrix			airie Redox (A16)	
	Histic Epipedon (A2)			Redox (S5)	(Dark Sur	()	
	Black Histic (A3)				ed Matrix (S6)	-		ganese Masses (F12)	
	Hydrogen Sulfide	(A4)			Mucky Minera	– (F1)		llow Dark Surface (TF12)	
	Stratified Layers				Gleyed Matrix			plain in Remarks)	
	2 cm Muck (A10)	(10)			ed matrix (F3)	(12)			
		Jork Surfage	(411)		. ,		3Indiante	a of hydrophytic vegetation on	d
	Depleted Below [(ATT)		Dark Surface (. ,		s of hydrophytic vegetation an	ia
	Thick Dark Surface				ed Dark Surfac	. ,		ydrology must be present,	
	Sandy Mucky Mir			Redox	Depressions (I	-8)	unless di	sturbed or problematic.	
	5 cm Mucky Peat	or Peat (S3)						
						-			
	Layer (if observed):							
Type:									
Depth (in.)						Hydric Soil	Present?	Yes No	Х
Remarks:									
HYDROLO	GY								
	drology Indicators	•							
	cators (minimum of		red: checked all th	at apply)			Second	ary Indicators (minimum of two re	equired)
	urface water (A1)	ono lo roqui			ined Leaves (B	9)		face Soil Cracks (B6)	oquirou)
	gh Water Table (A2	2)			auna (B13)	-)		ainage patterns (B10)	
	aturation (A3)	-,			tic Plants (B14)		-Season Water table (C2)	
	ater marks (B1)				Sulfide Odor (C			ayfish Burrows (C8)	
	ediment Deposits (E	32)				n Living roots (C		turation Visible on Aerial Imagery	v (C9)
	rift Deposits (B3)				of Reduced Iro			inted or Stressed Plants (D1)	,(00)
	gal Mat or Crust (B	4)				Tilled Soils (C6)		omorphic Position (D2)	
	on Deposits (B5)	.,			Surface (C7)			C-Neutral Test (D5)	
	undation Visible on	Aerial Imag	erv (B7)		Well Data (D9)				
	parsely Vegetated (0			plain in Remark	s)			
0 P	saleely regelated t								
Field Observ	vations:								
Surface Wate		Yes	No X	Depths (inche	es):				
Water Table		Yes	No X	Depths (inche					
Saturation P		Yes	No X	Depths (inche	· ·		Wetland Hydrolog	y Present? Yes No	o X
(includes cap									
(5 5 7								
Describe Ree	corded Data (Strea	m gauge, m	onitoring well, aeria	al photos, prev	vious inspectior	s), if available:			
<u> </u>									
Remarks:									

Project/Site: Jay Cour	ty Property	City/Coun	ty: Portland	/Jay	Sample Date:	6/6/2024
Applicant/Owner: Jay	County Development Corporation			State: IN	Sample Point:	T4P2
Investigator(s): Ash	lee N. Nichter, Katelyn L. Gutwein	Section: T	ownship, Range	e: Section 19: T23N, I	R14E	
Landform (hillslope, terrad	e, etc.): Depression		Local relief (cor	ncave, 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 co	nditions on the site typical for this time of year?	Yes X	No	(If no, expl	ain in Remarks.)	
Are Vegetation	, Soil, or Hydrology	significantly d	isturbed?	Are "Normal Circumstances"	" present? Yes	X No
Are Vegetation	, Soil , or Hydrology	naturally prob	lematic? ((If needed, explain any answ	vers in Remarks.)	

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

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	X X X	No No No	Is the Sampled Area Within a Wetland?	Yes	_X	No	
Remarks: Section I – Forested we	tland							

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. Quercus palustris 2.	50	X	FACW	Number of Dominant Species That are OBL, FACW or FAC:		3	(A)
3				Total Number of Dominant Species Across All Strata:		5	(B)
5	50	= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC:		60	(A/B)
Sapling/Shrub Stratum (Plot size): 15-ft radius 1. <i>Fraxinus americana</i> 2.	30	X	FACU	Prevalence Index worksheet: Total % Cover of: OBL species	x 1 =	Multiply by:	
3		. <u> </u>		FACW species FAC species	_ x 2 = x 3 =		_
5.				FACU species	x 4 =		_
	30	= Total Cover		UPL species	x 5 =		— "
Herb Stratum (Plot size): 5-ft radius 1. Carex lacustris	50	Х	OBL	Column Totals: Prevalence Index = B/A =	(A)		(B)
2. Glyceria striata	20	X	OBL	Hydrophytic Vegetation Indicato	rs:		
3. Galium circaezans	20	Х	FACU	Rapid Test for Hydrophytic	c Vegetat	ion	
4.				X Dominance Test > 50%			
5				Prevalence Index is ≤ 3.0 ¹ Morphological Adaptations		a supporting data in	
7				Remarks or on a separate		e supporting data il	1
8.				Problematic Hydrophytic \	/egetatior	n ¹ (Explain)	
9		·		¹ Indicators of hydric soil and wetla	nd hydrol	oav must be pres	ent
		· · · · · · · · · · · · · · · · · · ·		unless disturbed or problematic.		og)	,
	90	= Total Cover		Hydrophytic			
Woody Vine Stratum (Plot size): 30-ft radius				Vegetation Yes Present?	х	No	
9				Present?			
10							
		= Total Cover					
Remarks: (Include photo numbers here or on a sep	parate shee	t.)		1			

SOIL								Sampling Point: T4P2
		e to the d	epth needed to			or confirm th	ne absence of indica	itors.)
Depth	Matrix				Features			
(inches)	Color (moist)	<u>%</u> 95	Color		Type ¹	Loc ²	Texture	Remarks
0-10	10YR 4/1	95	10YR 4/6	5	<u>C</u>	M	Silty Clay Loam	
10-24	10YR 3/1	90	10YR 4/6	5	С	М	Silty Clay Loam	
1				~~ ~				
	oncentration, D=Dep	pletion, RM	=Reduced Matrix,	CS=Covere	d or Coated Sa	nd Grains. 2	Location: PL=Pore Lin	
Hydric Soil I				Cor		iv (C 4)		oblematic Hydric Soils ³ :
	Histosol (A1)	10)			ndy Gleyed matr	IX (54)		t Prairie Redox (A16)
	Histic Epipedon (A Black Histic (A3)	4Z)			ndy Redox (S5)			Surface (S7)
	Hydrogen Sulfide	())			pped Matrix (S6	,		/anganese Masses (F12) Shallow Dark Surface (TF12)
	Stratified Layers (. ,	e (A11)		amy Mucky Mine amy Gleyed Mat			(Explain in Remarks)
	2 cm Muck (A10)	AJ)		Lua				
	Depleted Below D	ork Surfoo		Dep	pleted matrix (F3	,	3India	ators of hydrophytic vocatation and
	Thick Dark Surfac		e (ATT)		dox Dark Surfac	. ,		ators of hydrophytic vegetation and
		. ,			bleted Dark Surf	. ,		nd hydrology must be present,
	Sandy Mucky Min			Rec	dox Depressions	s (F8)	unies	s disturbed or problematic.
	5 cm Mucky Peat	or Peat (S	3)					
Destriction	aver (if a barrier in							
	_ayer (if observed)):						
Type:						L la salada	Call DescentO	Vee V Ne
Depth (in.)						Hydric	Soil Present?	Yes <u>X</u> No
Develop								
Remarks:								
HYDROLO	GY							
	drology Indicators	:						
	ators (minimum of		ired; checked all th	hat apply)			Sec	ondary Indicators (minimum of two required)
	Irface water (A1)				Stained Leaves	(B9)		Surface Soil Cracks (B6)
Hi	gh Water Table (A2	.)		Aquatio	: Fauna (B13)			Drainage patterns (B10)
Sa	aturation (A3)			True Ad	quatic Plants (B	14)		Dry-Season Water table (C2)
W	ater marks (B1)			Hydrog	en Sulfide Odor	(C1)		Crayfish Burrows (C8)
Se	ediment Deposits (B	2)		Oxidize	d Rhizospheres	on Living roo	ots (C3)	Saturation Visible on Aerial Imagery (C9)
Dr	ift Deposits (B3)			Presen	ce of Reduced I	ron (C4)		Stunted or Stressed Plants (D1)
Alg	gal Mat or Crust (B4	4)		Recent	Iron Reduction	in Tilled Soils	(C6) X	Geomorphic Position (D2)
	on Deposits (B5)			Thin M	uck Surface (C7	.)	Х	FAC-Neutral Test (D5)
Inu	undation Visible on	Aerial Imag	gery (B7)	Gauge	or Well Data (D	9)		
Sp	parsely Vegetated C	Concave Su	rface (B8)	Other (Explain in Rema	arks)		
Field Observ	vations:							
Surface Wate	er Present?	Yes	No X	Depths (in				
Water Table	Present?	Yes	<u>No X</u>	Depths (in	iches): >2	4		
Saturation Pr		Yes	No X	Depths (in	iches): >2	4	Wetland Hydro	logy Present? Yes X No
(includes cap	oillary fringe)							
Describe Red	corded Data (Strear	n gauge, m	onitoring well, aer	rial photos, p	previous inspect	ions), if availa	ble:	
Remarks:								
Remarks.								

Project/Site: _ Jay County Property	City/Coun	ty: Portland/J	ay	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: 1	Township, Range:	Section 19: T23N, I	R14E	
Landform (hillslope, terrace, etc.): Depression		Local relief (conc	cave, 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, expl	ain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly d	listurbed? Ar	e "Normal Circumstances"	" present? Yes	X No
Are Vegetation , Soil , or Hydrology	naturally prob	olematic? (If	needed, explain any answ	vers in Remarks.)	

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

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	X X X	No No No	Is the Sampled Area Within a Wetland?	Yes X	 No	
Remarks: Section I – Forested we	tland						

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant <u>Species?</u>	Indicator Status	Dominance Test worksheet:			
Ulmus americana Carva laciniosa	<u>50</u> 30	<u> </u>	FACW FACW	Number of Dominant Species That are OBL, FACW or FAC:		5	(A)
3.			1700	Total Number of Dominant		5	- (D)
4.				Species Across All Strata:		5	(B)
5	80	= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC:		100	(A/B)
Sapling/Shrub Stratum (Plot size): 15-ft radius 1. Fraxinus pennsylvanica	50	х	FACW	Prevalence Index worksheet: Total % Cover of:		Multiply by:	
2.				OBL species	x 1 =		
3				FACW species	x 2 =		
4				FAC species FACU species	- x 3 = x 4 =		
· · · · · · · · · · · · · · · · · · ·				UPL species	- x5 =		
Herb Stratum (Plot size): 5-ft radius	50	= Total Cover		Column Totals:	(A)		(B)
1. Carex lacustris	50	х	OBL	Prevalence Index = B/A =	(//)		(D)
2. Toxicodendron radicans	30	Х	FAC	Hydrophytic Vegetation Indicate	ors:		
3.				Rapid Test for Hydrophyti	c Vegetat	ion	
4		·		X Dominance Test > 50% Prevalence Index is ≤ 3.0	1		
6.				Morphological Adaptation		e supporting data ii	n
7.		. <u> </u>		Remarks or on a separate		o oupporting data i	
8				Problematic Hydrophytic	/egetatior	n ¹ (Explain)	
9				¹ Indicators of hydric soil and wetla	nd hydrol	logy must be pres	ont
		·		unless disturbed or problematic.		logy must be pres	ent,
	80	= Total Cover		Hydrophytic			
Woody Vine Stratum (Plot size): 30-ft radius		-		Vegetation Yes		No	
9.				Present?	Х		
10							
		= Total Cover					
Remarks: (Include photo numbers here or on a se							

SOIL								Sa	mpling Point: T4P3
	•		epth needed to c			or confirm th	ne absence of indi	cators.)	
Depth	Matri		0.1	Redox F		1 2	Tautura		Demonster
(inches) 0-24	Color (moist) 10YR 4/1	90	Color 10YR 4/6	<u>%</u> 10	Type ¹ C	Loc ²	Texture Silty Clay Loar		Remarks
0-24	101K 4/1		101K 4/0	10	<u> </u>	IVI	Silly Clay Loar	<u> </u>	
					·				
¹ Type: C=Co Hydric Soil I		Depletion, RM	=Reduced Matrix,	CS=Covered	d or Coated Sa	and Grains. 2	Location: PL=Pore L	ining, M=Matrix Problematic Hydri	
Hydric Soli I	Histosol (A1)			San	dy Gleyed mat	riv (S4)		st Prairie Redox	
	Histic Epipedor	n (A2)			dy Redox (S5)			k Surface (S7)	(((10)
	Black Histic (A3				ped Matrix (Se			-Manganese Mas	sses (F12)
	Hydrogen Sulfi	de (A4)			ny Mucky Mine		Ver	y Shallow Dark S	urface (TF12)
	Stratified Layer			Loar	my Gleyed Mat	trix (F2)	Oth	er (Explain in Rer	marks)
	2 cm Muck (A1	,	X		leted matrix (F	,	0		
	Depleted Belov		e (A11)		ox Dark Surfac	. ,			hytic vegetation and
	Thick Dark Sur	. ,			leted Dark Sur	• •		and hydrology m	
	Sandy Mucky M 5 cm Mucky Pe		<u> </u>	Red	ox Depression	s (F8)	UNIE	ess disturbed or p	robiematic.
	5 CITI MUCKY FE	al UI Feat (3.)						
Restrictive L	ayer (if observe	ed):							
Туре:									
Depth (in.)				_		Hydric	Soil Present?	Yes X	No
_									
Remarks:									
HYDROLO	GY Irology Indicato								
			ired; checked all th	nat apply)			Se	condary Indicator	s (minimum of two required)
	rface water (A1)				tained Leaves	(B9)		Surface Soil Cr	
Hig	gh Water Table (A2)	_		Fauna (B13)			Drainage patter	ms (B10)
	turation (A3)				uatic Plants (B			Dry-Season Wa	
	ater marks (B1)	(D2)			en Sulfide Odo			Crayfish Burrov	
	diment Deposits ift Deposits (B3)	(DZ)			d Rhizosphere: e of Reduced		JIS (C3)		ole on Aerial Imagery (C9) ssed Plants (D1)
	gal Mat or Crust	(B4)			Iron Reduction		(C6) X		
	n Deposits (B5)	. ,	_	Thin Mu	ck Surface (C7	7)	X	FAC-Neutral Te	est (D5)
	Indation Visible				or Well Data (D				
Sp	arsely Vegetated	d Concave Su	rface (B8)	Other (E	xplain in Rem	arks)			
Field Observ	vations:								
Surface Wate		Yes	No X	Depths (inc	hes):				
Water Table I		Yes	No X	Depths (inc		24			
Saturation Pr		Yes	<u>No X</u>	Depths (inc	ches): >2	24	Wetland Hyd	rology Present?	Yes <u>X</u> No
(includes cap	illary fringe)								
Describe Rec	corded Data (Str	eam dauge m	onitoring well, aeri	ial photos pr	evious inspect	tions) if availa	ble:		
		gg-, ··		···· [·····, [·		,,			
Remarks:									

Project/Site: Jay County Property	City/Cour	nty: <u>Portland</u>	d/Jay	Sample Date:		6/6/2024
Applicant/Owner: Jay County Development Corporation			State: IN	Samp	le Point:	T4P4
Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein	Section: Township, Range: Section 19: T23N, R1					
Landform (hillslope, terrace, etc.): Plain		Local relief (co	oncave, 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, expl	ain in Rem	arks.)	
Are Vegetation, Soil, or Hydrology	significantly of	disturbed?	Are "Normal Circumstances"	" present?	Yes	X No
Are Vegetation , Soil , or Hydrology	naturally prot	plematic?	(If needed, explain any answ	vers in Rer	narks.)	

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

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

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant <u>Species?</u>	Indicator <u>Status</u>	Dominance Test workshee	۸t:		
1. Acer saccharum	50	<u> </u>	FACU	Number of Dominant Species		_	(A)
2. Carya ovata	30	Х	FACU	That are OBL, FACW or FAC:		3	_ (,,)
3.	. <u> </u>			Total Number of Dominant		2	(B)
4				Species Across All Strata:		6	_ ``
o				Percent of Dominant Species			(A/B)
	80	= Total Cover		That are OBL, FACW, or FAC:		50	(7,0)
Sapling/Shrub Stratum (Plot size): 15-ft radius				Prevalence Index workshe	ot.		
1. Aesculus glabra	30	Х	FAC	Total % Cover of:		Multiply by:	
2. Lindera benzoin	10	<u> </u>	FACW	OBL species	x 1 =		
3.				FACW species	x 2 =		
4.				FAC species	x 3 =		
5.				FACU species	x 4 =		_
	40	= Total Cover		UPL species	x 5 =		_
Herb Stratum (Plot size): 5-ft radius	40			Column Totals:	(A)		(B)
1. Sanicula odorata	50	х	FAC	Prevalence Index = B/			(D)
2. Parthenocissus guinguefolia	30	<u> </u>	FACU	Hydrophytic Vegetation In			
3.				Rapid Test for Hydr		ion	
4.				Dominance Test >	1 2 0		
5.				Prevalence Index is	s ≤ 3.0 ¹		
6.				Morphological Adap		e supporting data	in
7.				Remarks or on a se	. ,		
8				Problematic Hydrop	hytic Vegetation	n ¹ (Explain)	
9							
10				¹ Indicators of hydric soil and	,	ogy must be pres	sent,
				unless disturbed or problema	atic.		
	80	= Total Cover		Hydrophytic			
Woody Vine Stratum (Plot size): 30-ft radius				Vegetation Present?	Yes	No >	/
9.				Present?			<u>.</u>
10		<u> </u>					
		= Total Cover		-			
Remarks: (Include photo numbers here or on a se	parate shee	t.)					

SOIL									Sampling Point: T4P4
Profile Des	cription: Describ	e to the d	epth needed to a	document	the indicator of	or confirm the	e absence of	indicators.)	·
Depth	Matrix			Redox F					
(inches)	Color (moist)	%	Color	%	Type ¹	Loc ²	Textu		Remarks
0-12	10YR 4/1	95	10YR 4/6	5	С	Μ	Silty Clay		
12-24	10YR 5/1	95	10YR 4/6	5	С	Μ	Silty Clay	Loam	
				· <u> </u>					
¹ Type: C=Co	oncentration, D=De	pletion, RM	=Reduced Matrix,	CS=Covere	d or Coated Sa	nd Grains. ² I	Location: PL=P	ore Lining, M=Matrix	C
Hydric Soil	Indicators:						Indicators	for Problematic Hy	/dric Soils ³ :
-	Histosol (A1)			San	dy Gleyed matr	rix (S4)		Coast Prairie Red	ox (A16)
	Histic Epipedon (/	42)			dy Redox (S5)			Dark Surface (S7)	
	Black Histic (A3)	,			oped Matrix (S6			Iron-Manganese N	
	Hydrogen Sulfide	(A4)			my Mucky Mine			Very Shallow Dark	
	Stratified Layers (. ,			my Gleyed Mat			Other (Explain in F	
	2 cm Muck (A10)	,	X	Der	eted matrix (F3				(onidanto)
	Depleted Below D	ark Surfac	E (A11)	Bec	lox Dark Surfac	,		³ Indicators of hydr	ophytic vegetation and
	Thick Dark Surfac				leted Dark Surf	. ,		wetland hydrology	
		. ,				. ,		unless disturbed o	
	Sandy Mucky Min			Rec	lox Depressions	S(F0)		uniess disturbed o	i problematic.
	5 cm Mucky Peat	or Peat (S	5)						
Destail		\.							
	Layer (if observed):							
Type:								N/	X N
Depth (in.)						Hydric S	Soil Present?	Yes	X No
Remarks:									
HYDROLO									
	drology Indicators								
	cators (minimum of		irod: chockod all th	hat apply)				Secondary Indica	tors (minimum of two required)
	urface water (A1)	Une is requ	illeu, checkeu all ti		Stained Leaves	(BQ)		Surface Soil	
	igh Water Table (A2	2)			Fauna (B13)	(03)		Drainage pa	
	aturation (A3)	-)			uatic Plants (B	14)			Water table (C2)
	ater marks (B1)				en Sulfide Odor			Crayfish Bur	
	ediment Deposits (E	2)			d Rhizospheres		e (C3)		isible on Aerial Imagery (C9)
	rift Deposits (B3))			ce of Reduced I		3 (00)		tressed Plants (D1)
	gal Mat or Crust (B4	4)			Iron Reduction		(C6)		Position (D2)
	on Deposits (B5)	+)	_		Jck Surface (C7		(CO)	FAC-Neutral	
	undation Visible on	Aorial Ima			or Well Data (D				Test (D5)
	parsely Vegetated C				Explain in Rema				
	Jaisely vegetated C	Juncave Su				aiks)			
Field Obser	vations:								
Surface Wat		Yes	No X	Depths (in	chec).				
Water Table		Yes		Depths (in	· · ·	24			
Saturation P		Yes		Depths (in Depths (in			Wetland	Hydrology Present	t? Yes No X
(includes cap		165		Deptils (iii	ciles). <u>>2</u>	.4	wettanu	Hydrology Fresen	t? Yes No _X
(includes cap	Siliary milge)								
Describe Re	corded Data (Strea	m daude m	onitoring well aer	rial photos in	revious inspect	ions) if availab	le.		
Decemberite		in gaago, n	ionitioning won, aor	iai priotoo, p		iono), ir avalab			
Remarks:									

Project/Site:Jay County Property	City/Cour	nty: 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: 1	Fownship, Range	R14E		
Landform (hillslope, terrace, etc.): Depression		Local relief (co	ncave, 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, expl	ain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly of	disturbed?	Are "Normal Circumstances'	" present? Yes	X No
Are Vegetation , Soil , or Hydrology	naturally prob	plematic?	If needed, explain any ansv	vers in Remarks.)	

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

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	X X X	No No No	Is the Sampled Area Within a Wetland?	Yes X	 No	
Remarks: Section I – Forested we	tland						

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. Quercus palustris	70	X	FACW	Number of Dominant Species			(
2. Ulmus americana	10	Х	FACW	That are OBL, FACW or FAC:		5	(A)
3				Total Number of Dominant Species Across All Strata:		6	(B)
5	80	= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC:		83	(A/B)
Conting/Chruth Chrotum (District) 45 ft and in				Prevalence Index worksheet:			
Sapling/Shrub Stratum (Plot size): 15-ft radius 1. Fraxinus pennsylvanica	30	х	FACW	Total % Cover of:		Multiply by:	
2. Carpinus caroliniana	20	<u> </u>	FAC	OBL species	x 1 =	wattpiy by.	
3.	20			FACW species			
		· · · · · · · · · · · · · · · · · · ·		FAC species			_
5.		·		FACU species	x 4 =		
				UPL species	x 5 =		
	50	= Total Cover		•	_		— (D)
Herb Stratum (Plot size): 5-ft radius	_		OBL	Column Totals:	(A)		(B)
1. <u>Glyceria striata</u>	5	<u> </u>	-	Prevalence Index = B/A =			
2. Parthenocissus quinquefolia	2	<u> </u>	FACU	Hydrophytic Vegetation Indicato			
3		·		Rapid Test for Hydrophyti	c Vegetati	on	
4.		·		X Dominance Test > 50%			
5		·		Prevalence Index is ≤ 3.0			
6.		·		Morphological Adaptation		e supporting data ir	١
7		·		Remarks or on a separate	,	1 (
8		·		Problematic Hydrophytic	vegetation	i' (Explain)	
9		·			المعامد بما ام م		4
10				¹ Indicators of hydric soil and wetla	na nyarok	ogy must be pres	ent,
	_			unless disturbed or problematic.			
	7	= Total Cover		Hydrophytic			
Woody Vine Stratum (Plot size): 30-ft radius				Vegetation Yes Present?	х	No	
9.				Present?	^		
10		= Total Cover		4			
Remarks: (Include photo numbers here or on a sep	arate shee	t.)		1			

SOIL								Sampling Point: T4P5	
Profile Des	cription: Describ	e to the d	epth needed to a	document t	he indicator	or confirm th	e absence of indic	ators.)	
Depth	Matrix			Redox F					
(inches)	Color (moist)	%	Color	%	Type ¹	Loc ²	Texture	Remarks	
0-10	10YR 3/1	90	10YR 4/6	10	С	M	Silty Clay Loan		
10-24	10YR 4/1	90	10YR 4/6	10	С	Μ	Silty Clay Loar	۱ <u> </u>	
¹ Type: C=Co	oncentration, D=De	pletion, RM	=Reduced Matrix,	CS=Covered	d or Coated Sa	nd Grains. 2	Location: PL=Pore Li		
Hydric Soil I	Indicators:							roblematic Hydric Soils ³ :	
	Histosol (A1)			San	dy Gleyed mati	rix (S4)	Coa	st Prairie Redox (A16)	
	Histic Epipedon (A	A2)			dy Redox (S5)		Dark	s Surface (S7)	
	Black Histic (A3)			Strip	oped Matrix (S6	5)		Manganese Masses (F12)	
	Hydrogen Sulfide	(A4)			my Mucky Mine			Shallow Dark Surface (TF12)	
	Stratified Layers ((A5)		Loai	my Gleyed Mat	trix (F2)	Othe	er (Explain in Remarks)	
	2 cm Muck (A10)		e (A11)	Dep	leted matrix (F3	3)			
	Depleted Below D	Dark Surfac	e (A11)	Red	ox Dark Surfac	e (F6)	³ Indi	cators of hydrophytic vegetation and	
	Thick Dark Surface	ce (A12)		Dep	leted Dark Surl	face (F7)	wetla	and hydrology must be present,	
	Sandy Mucky Mir	neral (S1)		Red	ox Depressions	s (F8)	unle	ss disturbed or problematic.	
	5 cm Mucky Peat	or Peat (S	3)						
Restrictive L	Layer (if observed):							
Туре:									
Depth (in.)						Hydric	Soil Present?	Yes X No	
Remarks:									
HYDROLO									
Wetland Hyd	drology Indicators	s:							
	cators (minimum of	one is requ	ired; checked all th				Se	condary Indicators (minimum of two required	d)
	urface water (A1)				stained Leaves	(B9)		Surface Soil Cracks (B6)	
	gh Water Table (A2	2)			Fauna (B13)			Drainage patterns (B10)	
	aturation (A3)				uatic Plants (B			Dry-Season Water table (C2)	
	ater marks (B1)				en Sulfide Odor			Crayfish Burrows (C8)	
	ediment Deposits (E	32)			d Rhizospheres		ts (C3)	Saturation Visible on Aerial Imagery (C9)	
	ift Deposits (B3)				e of Reduced I			Stunted or Stressed Plants (D1)	
	gal Mat or Crust (B	4)			Iron Reduction				
	on Deposits (B5)				ick Surface (C7	,	X	FAC-Neutral Test (D5)	
	undation Visible on				or Well Data (D				
<u> X </u> Sp	parsely Vegetated C	Concave Su	rface (B8)	Other (E	Explain in Rema	arks)			
	vetiene.								
Field Observ		Vaa	No. V	Dantha (in	ah a a) .				
Surface Wate		Yes		Depths (ind	·				
Water Table Saturation Pr		Yes		Depths (inc Depths (inc	· · · · · · · · · · · · · · · · · · ·		Watland Llydr	ology Brocont? Voc. V No.	
		Yes	No <u></u>	Deptitis (int	ches): <u>>2</u>	.4	welland Hydr	ology Present? Yes <u>X</u> No	
(includes cap	mary minge)								
Describe Rev	corded Data (Strea	m dalide m	onitoring well and	rial photos p	revious inspect	ions) if availab	ble:		
Describe iver	colded Data (Ollea	in gauge, n	ionitoning weil, aen	lai priotos, pr	revious inspect	10115 <i>)</i> , ii availai	016.		
Remarks:									

Project/Site: _ Jay County Property	City/Cour	nty: Portland/	Jay	Samp	le Date:	6/6/2024
Applicant/Owner: Jay County Development Corporation			State: IN	Samp	le Point:	T4P6
Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein	Section: Township, Range: Section 19: T23N, R14					
Landform (hillslope, terrace, etc.): Plain		Local relief (cor	ncave, 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, expl	ain in Rem	narks.)	
Are Vegetation, Soil, or Hydrology	significantly of	disturbed? A	Are "Normal Circumstances"	" present?	Yes	X No
Are Vegetation , Soil , or Hydrology	naturally prob	plematic? (I	lf needed, explain any ansv	vers in Rer	marks.)	

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

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	Х	No No No	X 	Is the Sampled Area Within a Wetland?	Yes	No	_X
Remarks: Upland forest	100		110					

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant <u>Species?</u>	Indicator <u>Status</u>	Dominance Test workshe	eet:		
1. <u>Quercus rubra</u> 2	60	<u> </u>	FACU	Number of Dominant Specie That are OBL, FACW or FAC		2	(A)
3. 4.				Total Number of Dominant Species Across All Strata:		5	(B)
5	60	= Total Cover		Percent of Dominant Species That are OBL, FACW, or FA		40	(A/B)
Sapling/Shrub Stratum (Plot size): 15-ft radius				Prevalence Index worksh	neet:		
1. Carpinus caroliniana	30	<u> </u>	FAC	Total % Cover of:		Multiply by:	
2. Fraxinus pennsylvanica	10	<u> </u>	FACW	OBL species	x 1 =		
3		<u></u>		FACW species	x 2 =		
4		·		FAC species	x 3 =		
5.		· · · · · · · · · · · · · · · · · · ·		FACU species UPL species	x 4 = x 5 =		
	40	= Total Cover					
Herb Stratum (Plot size): 5-ft radius				Column Totals:	(A)		(B)
1. Circaea canadensis	45	<u> </u>	FACU	Prevalence Index =	=,		
2. Solidago canadensis	40	<u> </u>	FACU	Hydrophytic Vegetation I			
3. Parthenocissus quinquefolia	5	<u></u>	FACU	Rapid Test for Hy	1 2 0	ion	
4. Rosa multiflora	5	<u></u>	FACU	Dominance Test :			
5. Persicaria virginiana	5	· <u> </u>	FAC	Prevalence Index			
6.		·				e supporting data	in
7.		·		Remarks or on a		1 (
8				Problematic Hydr	opnytic vegetation	n' (Explain)	
5. 10		·		¹ Indicators of hydric soil ar	nd wetland hydro	logy must be pres	sent,
				unless disturbed or probler	matic.		
	100	= Total Cover		Hydrophytic			
Woody Vine Stratum (Plot size): 30-ft radius		_		Vegetation	Yes	No >	/
9.				Present?			\
10				-			
		= Total Cover					
Remarks: (Include photo numbers here or on a set	parate shee	t.)					

p

SOIL								Sar	npling Point: T4P6
			epth needed to a			or confirm tł	ne absence of indica	ators.)	
Depth	Matri			Redox F			-		D
(inches)	Color (moist)	<u></u> 90	Color	<u>%</u>	Type ¹	Loc ²	Texture		Remarks
0-24	10YR 4/1		10YR 4/6	10	С	M	Silty Clay Loam		
				·					
				·					
				·					
				·		·			
				·					
¹ Type: C=Co	ncentration, D=D	Depletion, RM	=Reduced Matrix,	CS=Covered	l or Coated Sa	nd Grains. 2	Location: PL=Pore Lir	ning, M=Matrix	
Hydric Soil I	ndicators:						Indicators for Pr	oblematic Hydri	c Soils³:
	Histosol (A1)				dy Gleyed mat			t Prairie Redox ((A16)
	Histic Epipedon				dy Redox (S5)			Surface (S7)	
	Black Histic (A3				ped Matrix (Se			Manganese Mas	
	Hydrogen Sulfic				ny Mucky Mine			Shallow Dark Su	
	Stratified Layers 2 cm Muck (A10	. ,	Х	Loar	ny Gleyed Mat			r (Explain in Ren	harks)
	Depleted Below	,			eted matrix (Factoria) ex Dark Surfactoria	,	³ Indic	sators of hydroph	nytic vegetation and
	Thick Dark Surf		= (ATT)		leted Dark Surlac	. ,		nd hydrology mu	
	Sandy Mucky M	. ,			ox Depression:	. ,		s disturbed or p	
	5 cm Mucky Pe		3)		ox Depression	3 (1 0)	dillos		obiematio.
	,		- /						
Restrictive L	ayer (if observe	ed):							
Type:		,							
Depth (in.)						Hydric	Soil Present?	Yes X	No
Remarks:									
HYDROLOG									
	rology Indicato		in all all all all th				Cas	andon (Indiantoro	(minimum of two required)
	face water (A1)	or one is requ	ired; checked all th		tained Leaves	(BQ)		Surface Soil Cra	(minimum of two required)
	h Water Table (A	42)			Fauna (B13)	(03)		Drainage patter	
	uration (A3)	(2)	—		uatic Plants (B	14)		Dry-Season Wa	
	iter marks (B1)				n Sulfide Odor			Crayfish Burrow	
	diment Deposits	(B2)			Rhizospheres		ots (C3)		le on Aerial Imagery (C9)
Drit	ft Deposits (B3)				e of Reduced			Stunted or Stres	
Alg	al Mat or Crust (B4)			ron Reduction		(C6)	Geomorphic Pos	
	n Deposits (B5)		_		ck Surface (C7			FAC-Neutral Te	st (D5)
	ndation Visible of				or Well Data (D				
Spa	arsely Vegetated	Concave Su	rface (B8)	Other (E	xplain in Rema	arks)			
	ation of						-		
Field Observ Surface Wate		Yes	No X	Depths (inc	has).				
Water Table F		Yes		Depths (inc		24			
Saturation Pre		Yes		Depths (inc	· · ·		Wetland Hydro	ology Present?	Yes No X
(includes capi				Dopulo (inc	<u> </u>				<u> </u>
(
Describe Rec	orded Data (Stre	am gauge, m	onitoring well, aer	ial photos, pr	evious inspect	ions), if availa	ble:		
Remarks:									
Remarks.									

Project/Site: _ Jay County Property	City/Cour	ty: 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: 1	Township, Range	: Section 19: T23N, I	R14E	
Landform (hillslope, terrace, etc.): Plain		Local relief (cor	ncave, 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, expl	ain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly of	listurbed? A	re "Normal Circumstances"	" present? Yes	X No
Are Vegetation , Soil , or Hydrology	naturally prob	olematic? (I	lf needed, explain any ansv	vers in Remarks.)	

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

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

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant <u>Species?</u>	Indicator <u>Status</u>	Dominance Test worksheet:			
1. <u>Acer rubrum</u> 2.	60	<u> </u>	FAC	Number of Dominant Species That are OBL, FACW or FAC:		5	(A)
3				Total Number of Dominant Species Across All Strata:		6	(B)
5	60	= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC:		83	(A/B)
Sapling/Shrub Stratum (Plot size): 15-ft radius	40	×	FACW	Prevalence Index worksheet: Total % Cover of:			
Lindera benzoin Carpinus caroliniana	40	<u> </u>	FACW	OBL species	x 1 =	Multiply by:	
3. Fraxinus pennsylvanica	10		FACW	FACW species	x 2 =		-
4.	10		171011	FAC species	_ x 2 =		—
5.		·		FACU species	- x 0 = x 4 =		-
·				UPL species	x5=		_
	70	= Total Cover			_		— (D)
Herb Stratum (Plot size): 5-ft radius	_	N/	FACW	Column Totals:	(A)		(B)
1. Lindera benzoin		<u> </u>	-	Prevalence Index = B/A =			
2. Fraxinus pennsylvanica	5	X	FACW	Hydrophytic Vegetation Indicato			
3. Parthenocissus quinquefolia	5	Х	FACU	Rapid Test for Hydrophyti	c Vegetat	on	
4.				X Dominance Test > 50%			
5				Prevalence Index is ≤ 3.0			
6				Morphological Adaptation		e supporting data in	1
7				Remarks or on a separate	,		
8				Problematic Hydrophytic V	egetatior/	n' (Explain)	
9							
10				¹ Indicators of hydric soil and wetla	nd hydrol	ogy must be prese	ent,
				unless disturbed or problematic.			
	15	= Total Cover		Hydrophytic			
Woody Vine Stratum (Plot size): 30-ft radius				Vegetation Yes		No	
				Present?	Х		
9							
10		- <u></u>					
		= Total Cover					
Remarks: (Include photo numbers here or on a sep	arate sheet	+)		1			
rionano. (noidde priote nambers nore of on a sec		,					

SOIL								Sampling Point: T4P7
	•		epth needed to			or confirm t	he absence of indicato	rs.)
Depth	Matrix			Redox F				
(inches)	Color (moist)	95	Color		Type ¹	Loc ²	Texture	Remarks
0-24	10YR 4/1	90	10YR 4/6	5	С	M	Silty Clay Loam	
							<u></u>	
							<u></u>	
							·	<u> </u>
							·	<u> </u>
	oncentration, D=De	polotion PM	-Poducod Matrix	CS-Covoro	d or Costod Sa	and Grains	² Location: PL=Pore Lining	n M-Matrix
Hydric Soil I		spiedon, rai	-Reduced Matrix,			ina Oraina.		lematic Hydric Soils ³ :
	Histosol (A1)			Sar	ndy Gleyed mat	rix (S4)		rairie Redox (A16)
	Histic Epipedon	(A2)			ndy Redox (S5)			Inface (S7)
·	Black Histic (A3)				pped Matrix (Se			nganese Masses (F12)
	Hydrogen Sulfide				my Mucky Mine	,		allow Dark Surface (TF12)
	Stratified Layers	(A5)			my Gleyed Mat			Explain in Remarks)
	2 cm Muck (A10))	Х	Dep	pleted matrix (F			. ,
	Depleted Below	Dark Surfac			dox Dark Surfac		³ Indicate	ors of hydrophytic vegetation and
	Thick Dark Surfa	ice (A12)	· · ·		pleted Dark Sur			hydrology must be present,
	Sandy Mucky Mi	neral (S1)		Rec	dox Depression	s (F8)		disturbed or problematic.
	5 cm Mucky Pea	t or Peat (S	3)					
	ayer (if observed	d):						
Туре:								
Depth (in.)						Hydric	Soil Present?	Yes X No
Demendent								
Remarks:								
HYDROLO	GY							
Wetland Hyd	drology Indicator	s:						
	ators (minimum of	f one is requ	ired; checked all t					dary Indicators (minimum of two required)
	Irface water (A1)		_		Stained Leaves	(B9)		urface Soil Cracks (B6)
	gh Water Table (A	2)	_		Fauna (B13)			rainage patterns (B10)
	ituration (A3)		_		quatic Plants (B			ry-Season Water table (C2)
	ater marks (B1)	20)	—		en Sulfide Odor			rayfish Burrows (C8)
	ediment Deposits (ift Deposits (B3)	DZ)	-		d Rhizospheres			aturation Visible on Aerial Imagery (C9) tunted or Stressed Plants (D1)
	gal Mat or Crust (E	84)			Iron Reduction			eomorphic Position (D2)
	n Deposits (B5))	_		uck Surface (C7			AC-Neutral Test (D5)
	undation Visible or	n Aerial Imag	nerv (B7)		or Well Data (D	,	<u></u>	
	arsely Vegetated				Explain in Rema			
						- /		
Field Observ	vations:							
Surface Wate		Yes	<u>No X</u>	Depths (in				
Water Table		Yes	<u>No X</u>	Depths (in	·			
Saturation Pr		Yes	<u>No X</u>	Depths (in	ches): >2	24	Wetland Hydrolo	gy Present? Yes <u>X</u> No
(includes cap	oillary tringe)							
Describe Rec	corded Data (Strea	am daude n	nonitoring well ae	rial photos p	revious inspect	tions) if availa	able:	
						,,		
Demerker								
Remarks:								

Project/Site: _ Jay County Property	City/Cour	nty: Portland	/Jay	Samp	le Date:	6/11/2024
Applicant/Owner: Jay County Development Corporation			State: IN	Samp	le Point:	T4P8
Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein	Section: 1	Township, Range	e: Section 19: T23N, I	R14E		
Landform (hillslope, terrace, etc.): Plain		Local relief (co	ncave, 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, expl	ain in Rem	arks.)	
Are Vegetation, Soil, or Hydrology	significantly of	disturbed?	Are "Normal Circumstances"	" present?	Yes	X No
Are Vegetation , Soil , or Hydrology	naturally prob	plematic? (If needed, explain any ansv	vers in Ren	narks.)	

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

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

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant Species?	Indicator Status	Dominance Test worksheet:		
Acer saccharum Aesculus glabra	80	<u> </u>	FACU FAC	Number of Dominant Species That are OBL, FACW or FAC:	3	(A)
3				Total Number of Dominant Species Across All Strata:	6	(B)
5	90	= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC:	50	(A/B)
Sapling/Shrub Stratum (Plot size): 15-ft radius 1. Cornus drummondii 2. Carya laciniosa	<u> </u>	<u> </u>	FAC FACW	Prevalence Index worksheet: Total % Cover of: OBL species	Multiply by: x 1 =	
3. Ulmus americana 4. 5.	5	X	FACW	FACW species FAC species FACU species	x 2 = x 3 =	
Herb Stratum (Plot size): 5-ft radius	15	= Total Cover		UPL species Column Totals:	x 5 =(A)	(B)
1. Parthenocissus quinquefolia	30	Х	FACU	Prevalence Index = B/A =		
2. Circaea canadensis	30	Х	FACU	Hydrophytic Vegetation Indicate	ors:	
3. Lindera benzoin	20		FACW	Rapid Test for Hydrophyt	tic Vegetation	
4. Sanicula odorata	10		FAC	Dominance Test > 50%		
5. Fraxinus pennsylvanica	10		FACW	Prevalence Index is ≤ 3.0		
6. <u>Asarum canadense</u> 7 8	10		FACU	Morphological Adaptatior Remarks or on a separat Problematic Hydrophytic		in
9 10				¹ Indicators of hydric soil and wetla unless disturbed or problematic.	and hydrology must be pre	sent,
Woody Vine Stratum (Plot size): 30-ft radius	110	= Total Cover		Hydrophytic Vegetation Yes Present?	s No	x
10		= Total Cover				

SOIL									Sampling Point: T4P8
	scription: Describ	be to the d	epth needed to			or confirm th	he absence o	f indicators.)	
Depth (inches)	Matrix Color (moist)	%	Color	Redox F %	eatures Type ¹	Loc ²	Tex	huro	Remarks
0-9	10YR 3/1	100	000	/0	Туре		Silty Clay		Remarks
9-14	10YR 4/2	95	10YR 4/6	5	С	М	Silty Clay		
14-24	10YR 4/2	90	10YR 4/6	10	C	M	Silty Clay		
	oncentration, D=De	pletion, RM	I=Reduced Matrix,	, CS=Covered	d or Coated Sa	and Grains. ²		Pore Lining, M=Ma	
Hydric Soil	Indicators:			0			Indicator	s for Problematic	-
<u> </u>	Histosol (A1) Histic Epipedon (A 2)			dy Gleyed mat dy Redox (S5)	. ,		Coast Prairie Re Dark Surface (S	
	Black Histic (A3)	~2)			oped Matrix (Si			Iron-Manganese	,
	Hydrogen Sulfide	(A4)			my Mucky Min	/	·		ark Surface (TF12)
	Stratified Layers	. ,			my Gleyed Ma			Other (Explain i	
	2 cm Muck (A10)	. ,	X	Dep	leted matrix (F				
X	Depleted Below I	Dark Surfac	e (A11)	Red	ox Dark Surfac	,		³ Indicators of hy	drophytic vegetation and
	Thick Dark Surfa	ce (A12)			leted Dark Sur	face (F7)		wetland hydrolo	gy must be present,
	Sandy Mucky Mir			Red	ox Depression	s (F8)		unless disturbed	d or problematic.
	5 cm Mucky Pea	t or Peat (S	3)						
	Layer (if observed	l):							
Туре:								.,	
Depth (in.)						Hydric	Soil Present?	Yes	<u>X</u> No
Remarks:									
	drology Indicators								
	cators (minimum of		uired: checked all t	that apply)				Secondary Indi	cators (minimum of two required)
	urface water (A1)				Stained Leaves	(B9)		Surface S	oil Cracks (B6)
	igh Water Table (A	2)	_		Fauna (B13)				patterns (B10)
	aturation (A3)				Juatic Plants (B				on Water table (C2)
	/ater marks (B1) ediment Deposits (I	20)	—		en Sulfide Odo d Rhizosphere		(C2)		Surrows (C8) Visible on Aerial Imagery (C9)
	rift Deposits (B3)	52)			ce of Reduced		JIS (C3)		Stressed Plants (D1)
	Igal Mat or Crust (B	4)			Iron Reduction		; (C6)		nic Position (D2)
Ire	on Deposits (B5)	-		Thin Mu	ick Surface (C	7)		FAC-Neut	ral Test (D5)
	undation Visible on				or Well Data (D	,			
S	parsely Vegetated	Concave Su	Irface (B8)	Other (E	Explain in Rem	arks)			
Field Obser									
	ter Present?	Yes	No X	Depths (ind	chae).				
Water Table		Yes		Depths (ind	· · ·	24			
Saturation P		Yes	No X	Depths (ind			Wetlan	d Hydrology Pres	ent? Yes No X
includes ca	pillary fringe)	_		- · ·	·				
Jescribe Re	corded Data (Strea	m gauge, n	nonitoring well, ae	rial photos, p	revious inspec	tions), if availa	able:		
Remarks:									

Project/Site: _ Jay County Property	City/Cour	nty: 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: 1	Fownship, Range	e: Section 19: T23N, I	R14E	
Landform (hillslope, terrace, etc.): Depression		Local relief (co	ncave, 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, expl	ain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly of	disturbed?	Are "Normal Circumstances'	" present? Yes	X No
Are Vegetation , Soil , or Hydrology	naturally prob	plematic?	If needed, explain any ansv	vers in Remarks.)	

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

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

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant Species?	Indicator Status	Dominance Test worksheet:		
1. <u>Carya laciniosa</u>	60	<u> </u>	FACW FACW	Number of Dominant Species	7	(A)
2. Quercus bicolor 3.	20	<u> </u>	FACW	That are OBL, FACW or FAC:	7	
4.				Total Number of Dominant Species Across All Strata:	7	(B)
5.					1	
···	80	= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC:	100	(A/B
	- 80			That are OBL, FACW, of FAC.	100	
Sapling/Shrub Stratum (Plot size): 15-ft radius				Prevalence Index worksheet:		
1. Ülmus americana	15	Х	FACW	Total % Cover of:	Multiply by:	
2. Carpinus caroliniana	10	Х	FAC	OBL species	x 1 =	
3. Fraxinus pennsylvanica	5		FACW	FACW species	x 2 =	
4.				FAC species	x 3 =	
5.				FACU species	x 4 =	
	30	= Total Cover		UPL species	x 5 =	
Herb Stratum (Plot size): 5-ft radius				Column Totals:	(A)	(B)
1. Fraxinus pennsylvanica	5	Х	FACW	Prevalence Index = B/A =		(=)
2. Persicaria virginiana	3	<u> </u>	FAC	Hydrophytic Vegetation Indicate	ors:	
3. Impatiens capensis	2	X	FACW	Rapid Test for Hydrophyti		
4.				X Dominance Test > 50%		
5.				Prevalence Index is ≤ 3.0	1	
6.				Morphological Adaptation	s1 (Provide supporting data	in
7.				Remarks or on a separate		
8.				Problematic Hydrophytic	Vegetation ¹ (Explain)	
9.						
10				¹ Indicators of hydric soil and wetla	nd hydrology must be pre	esent,
				unless disturbed or problematic.		
	10	= Total Cover		Hydrophytic		
Woody Vine Stratum (Plot size): 30-ft radius		-		Vegetation Yes	No	
				Present?	X NO	
9	. <u> </u>			4		
10	. <u> </u>			4		
		= Total Cover				
Remarks: (Include photo numbers here or on a se						

SOIL								Sar	npling Point: T4P9
Profile Des	cription: Describe	e to the d	epth needed to d	locument f	the indicator o	or confirm th	he absence of inc	licators.)	
Depth	Matrix			Redox F					
(inches)	Color (moist)	%	Color	%	Type ¹	Loc ²	Texture		Remarks
0-9	10YR 3/2	95	10YR 4/6	5	С	M	Silty Clay Loa	am	
9-14	10YR 3/1	80	10YR 4/6	20	С	M	Silty Clay Loa	am	
14-24	10YR 4/1	80	10YR 4/6	20	С	Μ	Silty Clay		
¹ Type: C=Co	oncentration, D=Dep	letion, RM	=Reduced Matrix, 0	CS=Covere	d or Coated Sar	nd Grains. 2	² Location: PL=Pore	Lining, M=Matrix	
Hydric Soil	Indicators:						Indicators for	Problematic Hydri	c Soils³:
	Histosol (A1)			San	dy Gleyed matr	ix (S4)	Co	oast Prairie Redox (A16)
	Histic Epipedon (A	2)		San	ndy Redox (S5)		Da	ark Surface (S7)	
	Black Histic (A3)			Stri	pped Matrix (S6)	Irc	on-Manganese Mas	ses (F12)
	Hydrogen Sulfide	(A4)		Loa	my Mucky Mine	ral (F1)	Ve	ery Shallow Dark Su	Irface (TF12)
	Stratified Layers (Loa	my Gleyed Mati			her (Explain in Ren	
	2 cm Muck (A10)	,		Der	eleted matrix (F3				
	Depleted Below D	ark Surfac	e (A11) X	Rec	lox Dark Surface	,	³ lr	dicators of hydroph	nytic vegetation and
	Thick Dark Surfac		<u> </u>		pleted Dark Surf	. ,		etland hydrology mu	
	Sandy Mucky Mine	. ,			lox Depressions	. ,		less disturbed or pr	
	5 cm Mucky Peat		2)		lox Depressions	s (1 0)	un	liess disturbed of pr	oblematic.
	J CITI MUCKY T Eat		5)						
Postriativa I	Layer (if observed)					1			
Type:	Layer (il observeu)	•							
				_		Hydria	Soil Present?	Yes X	No
Depth (in.)						Hyunc	Son Fresent?	Yes X	
Demortica									
Remarks:									
HYDROLO	GY								
	drology Indicators:								
	cators (minimum of o		ired: checked all th	at apply)			5	Secondary Indicators	(minimum of two required)
	urface water (A1)				Stained Leaves	(B9)		Surface Soil Cra	
	gh Water Table (A2)			Fauna (B13)	()		Drainage patterr	
	aturation (A3)	/			quatic Plants (B1	14)		Dry-Season Wa	
	ater marks (B1)				en Sulfide Odor			Crayfish Burrow	
	ediment Deposits (B	2)			d Rhizospheres		ots (C3)		e on Aerial Imagery (C9)
	ift Deposits (B3)	_,			ce of Reduced I			Stunted or Stres	
	gal Mat or Crust (B4)			Iron Reduction		(C6)	K Geomorphic Pos	
	on Deposits (B5)	/			uck Surface (C7			K FAC-Neutral Te	
	undation Visible on	Aerial Imag	nerv (B7)		or Well Data (D				()
	arsely Vegetated C				Explain in Rema				
<u> </u>									
Field Observ	vations:								
Surface Wate		Yes	No X	Depths (in	ches):				
Water Table		Yes	No X	Depths (in		4			
Saturation Pr	resent?	Yes	No X	Depths (in	/		Wetland Hv	drology Present?	Yes X No
(includes cap				-1 (5,	
(
Describe Re	corded Data (Strear	n gauge, n	nonitoring well, aeria	al photos, p	revious inspecti	ons), if availa	ible:		
	,		U						
Remarks:									

Project/Site:Jay County Property	City/Cour	nty: Portland	/Jay	Samp	le Date:	6/6/2024
Applicant/Owner: Jay County Development Corporation			State: IN	Samp	le Point:	T4P10
Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein	Section:	Township, Range	e: Section 19: T23N, I	R14E		
Landform (hillslope, terrace, etc.): Plain		Local relief (co	ncave, 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, expl	ain in Rem	arks.)	
Are Vegetation, Soil, or Hydrology	significantly of	disturbed?	Are "Normal Circumstances"	" present?	Yes	X No
Are Vegetation , Soil , or Hydrology	naturally prot	olematic? (If needed, explain any ansv	vers in Rer	narks.)	

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

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

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant Species?	Indicator <u>Status</u>	Dominance Test worksheet:		
1. Carya laciniosa	60	<u> </u>	FACW	Number of Dominant Species	_	(A)
2. Quercus rubra	20	X	FACU	That are OBL, FACW or FAC:	3	
3				Total Number of Dominant Species Across All Strata:	6	(B)
5	80	= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC:	50	(A/B
Sapling/Shrub Stratum (Plot size): 15-ft radius				Prevalence Index worksheet:		
1. Fraxinus pennsylvanica	20	Х	FACW	Total % Cover of:	Multiply by:	
2. Acer saccharum	10	Х	FACU	OBL species	x 1 =	
3. Aesculus glabra	5		FAC	FACW species	x 2 =	
Ulmus americana	5		FACW	FAC species	x 3 =	
j				FACU species	x 4 =	
	40	= Total Cover		UPL species	x 5 =	
lerb Stratum (Plot size): 5-ft radius				Column Totals:	(A)	(B
Persicaria virginiana	60	Х	FAC	Prevalence Index = B/A =	_ ()	
Carex vulpinoidea	15		FACW	Hydrophytic Vegetation Indicato	ors:	
6. Glechoma hederacea	15		FACU	Rapid Test for Hydrophyti		
Parthenocissus guinguefolia	15		FACU	Dominance Test > 50%		
Circaea canadensis	10		FACU	Prevalence Index is ≤ 3.0 [°]	1	
				Morphological Adaptation	s ¹ (Provide supporting data	a in
				Remarks or on a separate		
				Problematic Hydrophytic \		
0				¹ Indicators of hydric soil and wetla	nd hvdroloav must be pre	esent.
				unless disturbed or problematic.	,, .,,,,	,
Noody Vine Stratum (Plot size): 30-ft radius	115	= Total Cover		Hydrophytic Vegetation Present? Yes	No	х
 Parthenocissus guinguefolia 	10	х	FACU	Fresent		Λ
	10		17100	4		
	10	= Total Cover		1		

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

Brofile Dec								S	Sampling Point: T4P10
	scription: Describe	to the de	pth needed to			or confirm th	e absence of inc		
Depth	Matrix			Redox F		. <u>.</u>	-		
(inches)	Color (moist)	<u>%</u> 98	Color		Type ¹		Texture		Remarks
0-14	10YR 4/1	85	10YR 4/6	2	<u> </u>	<u>M</u>	Silty Clay Lo		
14-24	10YR 4/1		10YR 4/6	15	С	M	Silty Clay Lo	am	
	oncentration, D=Depl	lation DM-	Reduced Matri		d or Cootod S	and Craina 2	Logation: DL - Dara	Lining, M=Matrix	
Hydric Soil			Reduced Math	x, CS=COvere		anu Grains.		r Problematic Hyd	
Tryunc Son	Histosol (A1)			San	dy Gleyed ma	triv (S4)		bast Prairie Redo	
	Histic Epipedon (A2	2)			dy Redox (S5)			ark Surface (S7)	x (///0)
<u> </u>	Black Histic (A3)	-/			oped Matrix (S			on-Manganese M	asses (F12)
	Hydrogen Sulfide (A	A4)			my Mucky Min	,		ery Shallow Dark	
	Stratified Layers (A	,		Loa	my Gleyed Ma			ther (Explain in R	
	2 cm Muck (A10)	,	X		leted matrix (F				,
	Depleted Below Da	urk Surface	(A11)	Red	lox Dark Surfa	,	³ lı	ndicators of hydro	ophytic vegetation and
	Thick Dark Surface			Dep	leted Dark Su	. ,		etland hydrology i	
	Sandy Mucky Mine	. ,			lox Depression	. ,		less disturbed or	
	5 cm Mucky Peat o)						
		()							
Restrictive	Layer (if observed):								
Type:									
Depth (in.)						Hydric S	Soil Present?	Yes X	K No
Remarks:									
HYDROLC									
	drology Indicators:							0	
	cators (minimum of or urface water (A1)	he is requir	ed; checked al		Stained Leaves	(R0)		Surface Soil C	ors (minimum of two required)
	igh Water Table (A2)		•		Fauna (B13)	S (D3)		Drainage patt	
	aturation (A3)				juatic Plants (E	314)			Vater table (C2)
	/ater marks (B1)				en Sulfide Odd			Crayfish Burro	
	ediment Deposits (B2	2)				es on Living root	s (C3)		sible on Aerial Imagery (C9)
	rift Deposits (B3)	/		Presend	ce of Reduced	Iron (C4)			ressed Plants (D1)
	Igal Mat or Crust (B4)		•			n in Tilled Soils	(C6)	Geomorphic F	
	on Deposits (B5)		•		ick Surface (C			FAC-Neutral	
		erial Image	ery (B7)	Gauge	or Well Data ([D9)	_		
	undation Visible on A		((DO)	Other (E	Explain in Rem	narks)			
In	undation Visible on A parsely Vegetated Co		race (B8)						
In Sj	parsely Vegetated Co		face (B8)						
In	parsely Vegetated Co		face (B8)						
Field Obser	parsely Vegetated Co vations: ter Present?	oncave Surf	No	Depths (inc					
Field Obser Surface Wat Water Table	parsely Vegetated Co rvations: ter Present?	Yes	NoX	Depths (in	ches): >	24			
Field Obser Surface Wat Water Table Saturation P	parsely Vegetated Co rvations: ter Present?	oncave Surf	No		ches): >	24	Wetland Hy	rdrology Present?	? Yes No _X
Field Obser Surface Wat Water Table Saturation P	parsely Vegetated Co rvations: ter Present?	Yes	NoX	Depths (in	ches): >		Wetland Hy	rdrology Present?	? Yes No _X
Field Obser Surface Wat Water Table Saturation P (includes ca	parsely Vegetated Co rvations: ter Present? Present? pillary fringe)	Yes Yes Yes	No X No X No X	Depths (ind Depths (ind	ches): > ches): >	24		rdrology Present?	? Yes No _X
Field Obser Surface Wat Water Table Saturation P (includes ca	parsely Vegetated Co rvations: ter Present?	Yes Yes Yes	No X No X No X	Depths (ind Depths (ind	ches): > ches): >	24		rdrology Present?	? Yes No _X
Field Obser Surface Wat Water Table Saturation P (includes ca	parsely Vegetated Co rvations: ter Present? Present? pillary fringe)	Yes Yes Yes	No X No X No X	Depths (ind Depths (ind	ches): > ches): >	24		rdrology Present?	? Yes <u>No X</u>
Field Obser Surface Wat Water Table Saturation P (includes ca	parsely Vegetated Co rvations: ter Present? Present? pillary fringe)	Yes Yes Yes	No X No X No X	Depths (ind Depths (ind	ches): > ches): >	24		rdrology Present?	? Yes <u>No X</u>
Field Obser Surface Wat Water Table Saturation P (includes ca	parsely Vegetated Co rvations: ter Present? Present? pillary fringe)	Yes Yes Yes	No X No X No X	Depths (ind Depths (ind	ches): > ches): >	24		rdrology Present?	? Yes <u>No X</u>
Field Obser Surface Wat Water Table Saturation P (includes ca	parsely Vegetated Co rvations: ter Present? Present? pillary fringe)	Yes Yes Yes	No X No X No X	Depths (ind Depths (ind	ches): > ches): >	24		/drology Present?	? Yes No _X
Field Obser Surface Wat Water Table Saturation P (includes ca	parsely Vegetated Co rvations: ter Present? Present? pillary fringe)	Yes Yes Yes	No X No X No X	Depths (ind Depths (ind	ches): > ches): >	24		/drology Present?	? Yes No _X
Field Obser Surface Wat Water Table Saturation P (includes ca	parsely Vegetated Co rvations: ter Present? Present? pillary fringe)	Yes Yes Yes	No X No X No X	Depths (ind Depths (ind	ches): > ches): >	24		/drology Present?	? Yes No _X
Field Obser Surface Wat Water Table Saturation P (includes ca	parsely Vegetated Co rvations: ter Present? Present? pillary fringe)	Yes Yes Yes	No X No X No X	Depths (ind Depths (ind	ches): > ches): >	24		/drology Present?	? Yes No _X
Field Obser Surface Wat Water Table Saturation P (includes ca	parsely Vegetated Co rvations: ter Present? Present? pillary fringe)	Yes Yes Yes	No X No X No X	Depths (ind Depths (ind	ches): > ches): >	24		/drology Present?	? Yes No _X
Field Obser Surface Wat Water Table Saturation P (includes ca	parsely Vegetated Co rvations: ter Present? Present? pillary fringe)	Yes Yes Yes	No X No X No X	Depths (ind Depths (ind	ches): > ches): >	24		/drology Present?	? Yes No _X
Field Obser Surface Wat Water Table Saturation P (includes ca	parsely Vegetated Co rvations: ter Present? Present? pillary fringe)	Yes Yes Yes	No X No X No X	Depths (ind Depths (ind	ches): > ches): >	24		rdrology Present?	? Yes No _X
Field Obser Surface Wat Water Table Saturation P (includes ca	parsely Vegetated Co rvations: ter Present? Present? pillary fringe)	Yes Yes Yes	No X No X No X	Depths (ind Depths (ind	ches): > ches): >	24		/drology Present?	? Yes No _X
Field Obser Surface Wat Water Table Saturation P (includes ca	parsely Vegetated Co rvations: ter Present? Present? pillary fringe)	Yes Yes Yes	No X No X No X	Depths (ind Depths (ind	ches): > ches): >	24		/drology Present?	? Yes <u>No X</u>
Field Obser Surface Wat Water Table Saturation P (includes ca	parsely Vegetated Co rvations: ter Present? Present? pillary fringe)	Yes Yes Yes	No X No X No X	Depths (ind Depths (ind	ches): > ches): >	24		/drology Present?	? Yes No _X
Field Obser Surface Wat Water Table Saturation P (includes ca Describe Re	parsely Vegetated Co rvations: ter Present? Present? pillary fringe)	Yes Yes Yes	No X No X No X	Depths (ind Depths (ind	ches): > ches): >	24		/drology Present?	? Yes No _X
Field Obser Surface Wat Water Table Saturation P (includes ca	parsely Vegetated Co rvations: ter Present? Present? pillary fringe)	Yes Yes Yes	No X No X No X	Depths (ind Depths (ind	ches): > ches): >	24		/drology Present?	? Yes <u>No X</u>

Project/Site: Jay Coun	ty Property	City/Cour	ty/County: Portland/Jay			le Date:	6/7/2024
Applicant/Owner: Jay	County Development Corporation			State: IN	Samp	le Point:	T4P11
Investigator(s): Ash	lee N. Nichter, Katelyn L. Gutwein	Section: Township, Range: Section 19: T23N, R14					
Landform (hillslope, terrac	e, etc.): Plain		Local relief (o	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 cor	nditions on the site typical for this time of year?	Yes X	No	(If no, exp	lain in Rem	arks.)	
Are Vegetation	, Soil, or Hydrology	significantly of	disturbed?	Are "Normal Circumstances	" present?	Yes	X No
Are Vegetation	, Soil , or Hydrology	naturally prob	plematic?	(If needed, explain any answ	wers in Rer	narks.)	

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

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

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant <u>Species?</u>	Indicator Status	Dominance Test worksheet:		
1. <u>Acer saccharum</u> 2. Quercus rubra	40 40	<u> </u>	FACU FACU	Number of Dominant Species That are OBL, FACW or FAC:	2	(A)
3.	40		1400	Total Number of Dominant	Z	
4.				Species Across All Strata:	7	(B)
5	80	= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC:	28	(A/B
Sapling/Shrub Stratum (Plot size): 15-ft radius				Prevalence Index worksheet:		
1. Acer saccharum	20	Х	FACU	Total % Cover of:	Multiply by:	
2. Prunus serotina	10	Х	FACU	OBL species	x 1 =	
3. Lindera benzoin	10	Х	FACW	FACW species	x 2 =	
4. Fraxinus pennsylvanica	5		FACW	FAC species	x 3 =	
5				FACU species	x 4 =	
	45	= Total Cover		UPL species	x 5 =	
Herb Stratum (Plot size): 5-ft radius				Column Totals:	(A)	(B)
1. Sanicula odorata	60	Х	FAC	Prevalence Index = B/A =		()
2. Circaea canadensis	30	X	FACU	Hydrophytic Vegetation Indica		
3. Aesculus glabra	5		FAC	Rapid Test for Hydroph		
4.				Dominance Test > 50%		
5.				Prevalence Index is ≤ 3	3.0 ¹	
6.				Morphological Adaptati	ions ¹ (Provide supporting da	ata in
7.				Remarks or on a separ	ate sheet)	
8.				Problematic Hydrophyt	ic Vegetation ¹ (Explain)	
9				¹ Indicators of hydric soil and we	tland hydrology must be r	resent
				unless disturbed or problematic	, , ,	
	95	= Total Cover		Hydrophytic	•	
Woody Vine Stratum (Plot size): 30-ft radius	- 30			Vegetation		
tready the dratam (net of 20). So it failed				Present?	es No	Х
9						
10				1		
		= Total Cover		1		
		_				

SOIL									Sampling Point: T4P11	
	scription: Describ	e to the d	epth needed to			or confirm th	he absence o	of indicators.)		
Depth (inches)	Matrix Color (moist)	%	Color	Redox F %	Features Type ¹	Loc ²	Тох	ture	Remarks	
0-6	10YR 3/2	100	000	/0	Туре		Silty Clay		Remains	
6-12	10YR 4/2	98	10YR 4/6	2	С	М	Silty Clay			
12-24	10YR 5/2	95	10YR 5/6	5	C	M	Silty Clay			
			-							
	oncentration, D=De	oletion, RN	I=Reduced Matrix,	CS=Covere	ed or Coated Sa	nd Grains. 2		Pore Lining, M=M		
Hydric Soil				-			Indicator	s for Problemati		
	Histosol (A1)				ndy Gleyed mat	. ,		Coast Prairie F		
	Histic Epipedon (A Black Histic (A3)	42)			ndy Redox (S5)			Dark Surface (
	()	())			pped Matrix (Se	,			se Masses (F12)	
	Hydrogen Sulfide Stratified Layers (. ,			amy Mucky Mine			Other (Explain	Dark Surface (TF12)	
 	2 cm Muck (A10)	A5)		Loa	amy Gleyed Mat		<u> </u>	Other (Explain	III Remarks)	
<u> </u>	Depleted Below D	ork Surfac	e (A11)	Dep	oleted matrix (F dox Dark Surfac	,		³ Indicators of k	hydrophytic vegetation and	
	Thick Dark Surfac		e (ATT)		pleted Dark Surfac	. ,			ogy must be present,	
	Sandy Mucky Min	. ,			dox Depression	• •			ed or problematic.	
	5 cm Mucky Peat		3)		JOX Depression	5 (1 0)			ed of problematic.	
	5 cm Mucky r eat		5)							
Restrictive	Layer (if observed)):								
Type:										
Depth (in.)						Hydric	Soil Present?	Yes	X No	
• • • •						-				
Remarks:										
HYDROLC Wetland Hy	OGY drology Indicators	:								
	cators (minimum of		uired: checked all t	hat annly)				Secondary In	dicators (minimum of two require	d)
	urface water (A1)				Stained Leaves	(B9)			Soil Cracks (B6)	α)
	igh Water Table (A2	:)	_		Fauna (B13)	(-)			e patterns (B10)	
S	aturation (A3)			True A	quatic Plants (B	14)			son Water table (C2)	
	/ater marks (B1)		_		en Sulfide Odo				Burrows (C8)	
	ediment Deposits (E	2)			ed Rhizospheres		ots (C3)		on Visible on Aerial Imagery (C9)	
	rift Deposits (B3)	4)			ce of Reduced				or Stressed Plants (D1)	
	Igal Mat or Crust (B4	+)			Iron Reduction uck Surface (C7		(C6)		phic Position (D2)	
	on Deposits (B5) undation Visible on	Aorial Ima			or Well Data (D	,		FAC-Nei	utral Test (D5)	
	parsely Vegetated C				Explain in Rema	,				
0	pulooly regulated c					unto)				
Field Obser	vations:									
Surface Wat		Yes	<u>No X</u>	Depths (in	· ·					
Water Table		Yes _	<u>No X</u>	Depths (in	· · ·					
Saturation P		Yes	<u>No X</u>	Depths (in	iches): >2	24	Wetlan	d Hydrology Pre	sent? Yes No	X
(includes ca	pillary fringe)									
Describe Re	corded Data (Stream	m naune r	nonitoring well aer	rial photos r	revious inspect	tions) if availa	able:			
Decemberite		n gaago, i	ionitoning won, doi	nai priotoo, p						
Remarks:										
Remarks.										

Project/Site: Jay Count	• •	City/Coun	ty: Portland		Sample Date:	6/7/2024
Applicant/Owner: Jay	County Development Corporation			State: IN	Sample Point:	T4P12
Investigator(s): Ashle	ee N. Nichter, Katelyn L. Gutwein	Section: T	ownship, Rang	e: Section 19: T23N, I	R14E	
Landform (hillslope, terrace	e, etc.): Depression		Local relief (co	oncave, 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 con	ditions on the site typical for this time of year?	Yes X	No	(If no, expl	ain in Remarks.)	
Are Vegetation	, Soil, or Hydrology	significantly d	isturbed?	Are "Normal Circumstances"	" present? Yes	X No
Are Vegetation	, Soil , or Hydrology	naturally prob	lematic?	(If needed, explain any answ	vers in Remarks.)	

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

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	X X X	No No No	Is the Sampled Area Within a Wetland?	Yes X	No	
Remarks: Section V - Forested we	tland loo	cated in a	an old oxbow				

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1				Number of Dominant Species That are OBL, FACW or FAC:		3	(A)
3				Total Number of Dominant Species Across All Strata:		4	(B)
5		= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC:		75	(A/B)
Sapling/Shrub Stratum (Plot size): 15-ft radius 1. Lindera benzoin 2.	5	X	FACW	Prevalence Index worksheet: Total % Cover of: OBL species	x 1 = x 2 = x 3 = x 4 =	Multiply by:	
<u>Herb Stratum</u> (Plot size): 5-ft radius 1. Impatiens capensis	5	= Total Cover X	FACW	UPL species Column Totals: Prevalence Index = B/A =	x 5 = (A)		(B)
2. Persicaria virginiana 3. Circaea canadensis 4. . 5. . 6. . 7. . 9. . 10 .	3 2 	X X 	FAC FACU	Hydrophytic Vegetation Indicato Rapid Test for Hydrophytic X Dominance Test > 50% Prevalence Index is ≤ 3.0 ¹ Morphological Adaptations Remarks or on a separate Problematic Hydrophytic \ ¹ Indicators of hydric soil and wetlar	c Vegetati s ¹ (Provide sheet) /egetation	e supporting data in ¹ (Explain)	
Woody Vine Stratum (Plot size): 30-ft radius	_10	= Total Cover		unless disturbed or problematic. Hydrophytic	X	No	
10		= Total Cover					
Remarks: (Include photo numbers here or on a sep	parate shee	t.)		1			

SOIL								Sampling Point: T4P12
Profile Des	cription: Describe	e to the de	epth needed to de	ocument t	he indicator o	or confirm th	e absence of indica	tors.)
Depth	Matrix							
(inches)	Color (moist)	%	Color	%	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 3/1	90	10YR 4/6	10	С	М	Silty Clay	
8-24	10YR 4/1	80	10YR 4/6	20	С	М	Silty Clay	
					. <u> </u>			
¹ Type: C=Cc	ncentration. D=Der	letion. RM	=Reduced Matrix. C	CS=Covered	d or Coated Sar	nd Grains. ²	Location: PL=Pore Lin	ing. M=Matrix
Profile Description: Describe to the depth needed to document the indicator or confirm the absence of indicators.) Network Color (moist) % Color % Type Loc? (inches) Color (moist) % Color % Type Loc? Matrix Reture Reture Reture Reture Reture 8-24 10YR 4/1 10YR 4/6 20 C M Silty Clay								
Profile Description: Descr		-						
Profile Description: Describe to the depth needed to document the indicator or confirm the absence of Indicators.) Redux features (Inches) Color (mole) % Type! Loc Texture Remarks 8-24 10YR 4/1 % ToYR 4/6 10 C M Silty Clay		Surface (S7)						
	Black Histic (A3)				• • • •)		
		(A4)		Loar	•	,		
	Stratified Layers (A5)		 Loar		. ,		
		,	X	Dep				())
		ark Surface	e (A11)	Red		,	³ Indic	ators of hydrophytic vegetation and
	•					. ,		
		. ,				. ,		
<u> </u>					ex Depressione	, (1 0)	unico	
	2 cm maony i oat		1					
Restrictive I	aver (if observed)							
		•						
				_		Hydric	Soil Present?	Yes X No
Profile Description: Descr								
Remarks:						1		
. tomano.								
		one is requi	red; checked all the				Sec	
						(B9)		
)						
	· · /							
		2)					ts (C3)	
							(00)	
		-)						
Iro	in Deposits (B5)		(D-)				<u>X</u>	FAC-Neutral Test (D5)
<u>x</u> Sp	earsely Vegetated C	oncave Su	rface (B8)	_ Other (E	xplain in Rema	irks)		
Field Ober	ational							
		Voc	No. Y	Doptha /ir	shoc):			
						<u> </u>	Wotlond Used	logy Brosont? Voc. V
				Deptris (inc	<u> </u>	<u> </u>	wettand Hydro	
(includes cap	mary mige)							
Describe Rec	orded Data (Stream	n dalide m	onitoring well aeria	al nhotos nu	evious inspecti	ons) if availat	hle:	
Docombo rec		n gaago, m	ormoning won, done	a priotoo, pi		ono), ir availai		
Remarks:								

Project/Site: Jay County Property		City	County:	Portlan	d/Jay			Samp	le Date:	6/6/2024	
Applicant/Owner: Jay County Develop	oment Corporation					State:	IN	Samp	le Point:	T4P13	
Investigator(s): Ashlee N. Nichter, K	Katelyn L. Gutwein	Sect	tion: Towns	ship, Rang	je:	Section 1	9: T23N, I	R14E			
Landform (hillslope, terrace, etc.): De	epression		Loc	al relief (co	oncave,	convex, no	ne):	Concave			
Slope (%): 0 Lat: 40.43	31217°	Long	g: -85.	006968°			-	Datum:	WGS 84		
Soil Map Unit Name: Glynwood silt	loam					NWI class	sification:	PFO1	С		
Are climatic/hydrologic conditions on the s	site typical for this time of year?	Yes	Х	No		(f no, expl	ain in Rem	arks.)		
Are Vegetation , Soil	, or Hydrology	significa	ntly disturb	ed?	Are "No	rmal Circu	nstances'	present?	Yes	X No	
Are Vegetation , Soil	, or Hydrology	naturally	/ problema	tic?	(If need	ed, explain	any ansv	vers in Ren	narks.)		

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

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

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. 2.				Number of Dominant Species That are OBL, FACW or FAC:	_	3	(A)
3				Total Number of Dominant Species Across All Strata:		4	(B)
5		= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC:		75	(A/B)
Sapling/Shrub Stratum (Plot size): 15-ft radius 1. <u>Ulmus americana</u> 2. Fraxinus pennsylvanica	<u> </u>	<u> </u>	FACW	Prevalence Index worksheet: Total % Cover of:	x 1 =	Multiply by:	
3.	15		FACW	OBL species FACW species	x 2 =		_
4 5				FAC species FACU species	x 3 = x 4 =		_
Herb Stratum (Plot size): 5-ft radius	35	= Total Cover		UPL species	x 5 =		(D)
<u>Herb Stratum</u> (Plot size): 5-ft radius 1. <i>Parthenocissus quinquefolia</i>	10	Х	FACU	Column Totals: Prevalence Index = B/A =	(A)		(B)
 Carex molesta Fraxinus pennsylvanica 	10 5	X	FAC FACW	Hydrophytic Vegetation Indicato Rapid Test for Hydrophytic		on	
4. <u>Carex lacustris</u> 5. Cornus drummondii	<u>5</u> 5		OBL FAC	X Dominance Test > 50% Prevalence Index is $\leq 3.0^{1}$			
6				Morphological Adaptations Remarks or on a separate	sheet)		I
8				Problematic Hydrophytic \	egetation/	i' (Explain)	
10				¹ Indicators of hydric soil and wetlan unless disturbed or problematic.	nd hydrol	ogy must be prese	ent,
Woody Vine Stratum (Plot size): 30-ft radius	35	_ = Total Cover		Hydrophytic Vegetation Present?	Х	No	
9 10							
	. <u> </u>	= Total Cover					
Remarks: (Include photo numbers here or on a sep	parate sheet	t.)		•			

SOIL								Sampling Point: T4P13
		e to the d	epth needed to			or confirm th	ne absence of indicat	
Depth	Matrix	<u> </u>		Redox F			- .	F
(inches)	Color (moist)	<u>%</u> 100	Color	%	Type ¹	Loc ²	Texture	Remarks
0-6 6-24	10YR 2/1 10YR 4/1	95	10YR 4/6	5		Μ	Silty Clay Loam Silty Clay Loam	
0-24	101R 4/1		101K 4/0	5	C	IVI	Silly Clay Loan	
					·			
					·			
¹ Type: C=Co	oncentration, D=Dep	oletion, RM	l=Reduced Matrix,	CS=Covere	d or Coated Sar	nd Grains. ²	Location: PL=Pore Lini	ng, M=Matrix
Hydric Soil	Indicators:						Indicators for Pro	blematic Hydric Soils ³ :
	Histosol (A1)			San	dy Gleyed matr	ix (S4)		Prairie Redox (A16)
	Histic Epipedon (A	42)			dy Redox (S5)			Surface (S7)
	Black Histic (A3)	<i></i>			oped Matrix (S6	·		anganese Masses (F12)
	Hydrogen Sulfide	. ,		Loa	my Mucky Mine			Shallow Dark Surface (TF12)
	Stratified Layers (A5)	e (A11)	Loa	my Gleyed Mati		Other	(Explain in Remarks)
<u> </u>	2 cm Muck (A10) Depleted Below D	ork Surfaa	A (A 11)	Dep	bleted matrix (F3		3Indios	store of hydrophytic vegetation and
	Thick Dark Surfac		e (ATT)		lox Dark Surface	. ,		ators of hydrophytic vegetation and dhydrology must be present,
	Sandy Mucky Min	. ,			lox Depressions	. ,		disturbed or problematic.
	5 cm Mucky Peat		3)	Rec	lox Depressions	ы (го)	uness	disturbed of problematic.
	o on Mucky r cat		0)					
Restrictive I	Layer (if observed)	:						
Туре:	, , , , , , , , , , , , , , , , , , ,							
Depth (in.)						Hydric	Soil Present?	Yes X No
Remarks:								
HYDROLO	GY							
Wetland Hy	drology Indicators							
	cators (minimum of	one is requ	ired; checked all t					ndary Indicators (minimum of two required)
	urface water (A1)		_		Stained Leaves	(B9)		Surface Soil Cracks (B6)
	gh Water Table (A2	2)	_		Fauna (B13)			Drainage patterns (B10)
	aturation (A3)		_		quatic Plants (B1			Dry-Season Water table (C2)
	ater marks (B1)	•	_		en Sulfide Odor			Crayfish Burrows (C8)
	ediment Deposits (B	52)	_		d Rhizospheres			Saturation Visible on Aerial Imagery (C9)
	ift Deposits (B3)	4)	_		ce of Reduced I			Stunted or Stressed Plants (D1)
	gal Mat or Crust (B4	+)	_		Iron Reduction			Geomorphic Position (D2)
	on Deposits (B5) undation Visible on	Aorial Ima			uck Surface (C7 or Well Data (D9		<u></u> X	FAC-Neutral Test (D5)
	barsely Vegetated C				Explain in Rema			
<u></u>	baisely vegetated C					115)		
Field Observ	vations:							
Surface Wate		Yes	No X	Depths (in	ches):			
Water Table		Yes	No X	Depths (in				
Saturation P	resent?		X No	Depths (in			Wetland Hydrol	ogy Present? Yes X No
(includes cap	oillary fringe)				·			
	, ,,							
Describe Ree	corded Data (Strear	n gauge, n	nonitoring well, aer	rial photos, p	revious inspecti	ions), if availa	ble:	
Remarks:								
rtomanto.								

Project/Site: Jay County Property	City/Cour	nty: Portland	d/Jay	Samp	le Date:	6/6/2024
Applicant/Owner: Jay County Development Corporation			State: IN	Samp	le Point:	T4P14
Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein	Section:	Fownship, Range	e: Section 19: T23N, I	R14E		
Landform (hillslope, terrace, etc.): Plain		Local relief (co	oncave, 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, expl	ain in Rem	arks.)	
Are Vegetation, Soil, or Hydrology	significantly of	disturbed?	Are "Normal Circumstances"	" present?	Yes	X No
Are Vegetation , Soil , or Hydrology	naturally prot	plematic?	(If needed, explain any answ	vers in Rer	narks.)	

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

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

Vegetation – Use scientific names of plants.

<u>% Cover</u>	Species?	Indicator <u>Status</u>	Dominance Test worksheet:		
60	X	FACU	Number of Dominant Species		(A)
20	<u> </u>	FACU	· · · · · · · · · · · · · · · · · · ·	3	
			Total Number of Dominant Species Across All Strata:	7	(B)
80	= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC:	42	(A/B
		54.014	Prevalence Index worksheet:		
		-		_	
10	<u> </u>	FACU	· · ·	_	
	<u> </u>	-			
	<u> </u>				
35	= Total Cover		·		
			Column Totals:	(A)	(B
60	X		Prevalence Index = B/A =		
	X	-	Hydrophytic Vegetation Indicate	ors:	
10		-	Rapid Test for Hydrophyt	ic Vegetation	
5			Dominance Test > 50%		
5		FACU	Prevalence Index is ≤ 3.0	1	
					a in
			Problematic Hydrophytic	Vegetation ¹ (Explain)	
			¹ Indicators of hydric soil and wetla	and hydrology must be pre	esent,
			unless disturbed or problematic.		
100	= Total Cover		Hydrophytic Vegetation Present? Yes	s No	х
10	х	FACU			
			1		
10	= Total Cover		1		
· · · · · ·	$ \begin{array}{r} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\overline{60}$ X \overline{FACU} Number of Dominant Species 20 X \overline{FACU} That are OBL, FACW or FAC: 20 X \overline{FACU} Total Number of Dominant 20 X \overline{FACU} Total Number of Dominant Species 80 = Total CoverPrevalence Index worksheet: 15 X \overline{FACW} Total % Cover of: 10 X \overline{FAC} OBL species 10 X \overline{FAC} Prevalence Index worksheet: 10 X \overline{FAC} OBL species 35 = Total Cover \overline{FACU} Prevalence 60 X \overline{FACU} Prevalence 10 X \overline{FACU} Prevalence 20 X \overline{FACU} Prevalence 10 \overline{FACU} PrevalenceIndex = $B/A =$ 20 X \overline{FAC} Hydrophytic Vegetation Indicate 10 \overline{FACU} Prevalence Index is ≤ 3.0 $\overline{5}$ \overline{FACU} Prevalence Index is ≤ 3.0 $\overline{5}$ \overline{FACU} $\overline{Problematic Hydrophytic}$ $\overline{100}$ = Total Cover $\overline{Hydrophytic}$ 100 $\overline{Total Cover}$ $\overline{Hydrophytic}$ 100 \overline{FACU} \overline{FACU} 10 \overline{X} \overline{FACU} 10 \overline{Y} <	$\overline{60}$ XFACU FACUNumber of Dominant Species That are OBL, FACW or FAC:3 $\overline{20}$ XFACUThat are OBL, FACW or FAC:3 $\overline{70}$ Species Across All Strata:7 $\overline{80}$ = Total CoverPercent of Dominant Species That are OBL, FACW, or FAC:42 10 XFAC 10 XFAC 10 XFAC $\overline{70}$ OBL species $x 1 =$ $\overline{10}$ XFAC $\overline{70}$ FACU species $x 2 =$ $\overline{70}$ FACU species $x 3 =$ $\overline{70}$ FACU species $x 4 =$ $\overline{70}$ $\overline{70}$ Prevalence Index = B/A = $\overline{70}$ $\overline{70}$ Prevalence Index = B/A = $\overline{70}$ $\overline{70}$ Prevalence Index is $\leq 3.0^{1}$ $\overline{70}$ </td

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

SOIL								5	Sampling Point: T4P14
Profile Des	cription: Describ	e to the de	epth needed to a	document tl	he indicator o	or confirm th	ne absence of	indicators.)	· · ·
Depth	Matrix			Redox Fe					
(inches)	Color (moist)	%	Color	%	Type ¹	Loc ²	Textu		Remarks
0-8	10YR 3/1	100					Silty Clay		
8-24	10YR 4/1	95	10YR 4/6	5	С	Μ	Silty Clay	Loam	
				·					
				· <u> </u>	·			·	
				· <u> </u>	·			·	
				·					
¹ Type: C=C	oncentration, D=De	pletion RM	=Reduced Matrix	CS=Covered	l or Coated Sar	nd Grains ²	Location: PL =P	ore Lining, M=Matrix	
Hydric Soil			noudood mainty	00 0010.00				for Problematic Hy	
	Histosol (A1)			San	dy Gleyed matri	ix (S4)		Coast Prairie Redo	
	Histic Epipedon (/	A2)			dy Redox (S5)			Dark Surface (S7)	
	Black Histic (A3)				ped Matrix (S6))		Iron-Manganese M	125505 (F12)
<u> </u>	Hydrogen Sulfide	(44)			ny Mucky Mine			Very Shallow Dark	
	Stratified Layers (. ,			ny Gleyed Matr			Other (Explain in R	
 		(A3)		Luar			<u> </u>		erraiks)
<u> </u>	2 cm Muck (A10)		X (A11)	Depi	eted matrix (F3	,		31 11 1 1 1	
<u> </u>	Depleted Below D		e (A11)		ox Dark Surface	. ,			ophytic vegetation and
	Thick Dark Surfac	. ,			eted Dark Surfa	. ,		wetland hydrology	
	Sandy Mucky Min			Rede	ox Depressions	(F8)		unless disturbed or	r problematic.
	5 cm Mucky Peat	or Peat (S3	3)						
Restrictive	Layer (if observed):							
Туре:									
Depth (in.)						Hydric	Soil Present?	Yes >	K No
Remarks:									
HYDROLO	OGY								
	drology Indicators	•							
	cators (minimum of		ired: checked all th	hat annly)				Secondary Indicat	ors (minimum of two required)
	urface water (A1)	one is requ	ireu, crieckeu ali ti		tained Leaves ((BQ)		Surface Soil (
	igh Water Table (A2	2)	-		Fauna (B13)	(09)		Drainage pat	
	•	<u>-)</u>				4)			
	aturation (A3)				uatic Plants (B1				Nater table (C2)
	/ater marks (B1)				n Sulfide Odor		(00)	Crayfish Burr	
	ediment Deposits (E	32)	_		Rhizospheres		its (C3)		sible on Aerial Imagery (C9)
	rift Deposits (B3)	•			e of Reduced Ir		(0.0)		ressed Plants (D1)
	Igal Mat or Crust (B	4)			ron Reduction i		(C6)	Geomorphic	
	on Deposits (B5)				ck Surface (C7)			FAC-Neutral	Test (D5)
	undation Visible on				or Well Data (DS				
Sp	parsely Vegetated C	Concave Su	rface (B8)	Other (E	xplain in Rema	rks)			
Field Obser									
Surface Wat		Yes	<u>No X</u>	Depths (inc	· · ·				
Water Table		Yes	<u> </u>	Depths (inc	,				
Saturation P		Yes	<u>No X</u>	Depths (inc	hes): >24	4	Wetland	Hydrology Present	? Yes <u>No X</u>
(includes cap	pillary fringe)								
Describe Re	corded Data (Stream	m gauge, m	onitoring well, aer	rial photos, pr	evious inspecti	ons), if availal	ble:		
<u> </u>									
Remarks:									

Project/Site: Jay County Property	City/Cour	nty: Portland/Jay		Sample		6/7/2024
Applicant/Owner: Jay County Development Corporation			State: IN	Sample	Point:	T4P15
Investigator(s): Ashlee N. Nichter, Katelyn L. Gutwein	Section: 1	Fownship, Range:	Section 19: T23N,	R14E		
Landform (hillslope, terrace, etc.): Plain		Local relief (concave	e, 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, exp	lain in Rema	rks.)	
Are Vegetation, Soil, or Hydrology	significantly c	listurbed? Are "I	Normal Circumstances	" present?	Yes	X No
Are Vegetation , Soil , or Hydrology	naturally prob	plematic? (If ne	eded, explain any ansv	wers in Rema	arks.)	

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

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

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute <u>% Cover</u>	Dominant Species?	Indicator Status	Dominance Test worksheet	:		
1. Quercus rubra	40	X	FACU	Number of Dominant Species			(A)
2. Carya laciniosa	20	Х	FACW	That are OBL, FACW or FAC:		3	(A)
3. Acer saccharum	20	Χ	FACU	Total Number of Dominant			(B)
4.		<u> </u>		Species Across All Strata:		8	(D)
5				Percent of Dominant Species			
	80	= Total Cover		That are OBL, FACW, or FAC:		38	(A/B)
Sapling/Shrub Stratum (Plot size): 15-ft radius				Prevalence Index workshee	t:		
1. Acer saccharum	50	х	FACU	Total % Cover of:		Multiply by:	
2. Ulmus americana	15	<u> </u>	FACW	OBL species	x 1 =		
3. Aesculus glabra	10	·	FAC	FACW species	x 2 =		
4.		·		FAC species	x 3 =		
5.		·		FACU species	x 4 =		
	75	Tatal Osuan		UPL species	x 5 =		
	75	= Total Cover			(4)		(D)
Herb Stratum (Plot size): 5-ft radius	50	N/	FACU	Column Totals:	(A)		(B)
1. <u>Circaea canadensis</u>	50	<u> </u>		Prevalence Index = B/A			
2. Parthenocissus quinquefolia	20	<u> </u>	FACU FAC	Hydrophytic Vegetation Ind			
3. <u>Toxicodendron radicans</u>	20	<u> </u>	FAC	Rapid Test for Hydro		on	
4. Sanicula odorata	10	·	FAC	Dominance Test > 5			
5.		·		Prevalence Index is			
6.		·		Morphological Adapt		e supporting dat	a in
7.				Remarks or on a sep	,	1 (
8		<u> </u>		Problematic Hydroph	iytic vegetation	' (Explain)	
10		·		¹ Indicators of hydric soil and v	vetland hydrol	ogy must be pr	resent,
	-	·		unless disturbed or problemat	ic.		
	100	= Total Cover		Hydrophytic			
Woody Vine Stratum (Plot size): 30-ft radius		_		Vegetation	V	N	
,				Present?	Yes	No	Х
9							
10							
		= Total Cover					
	_	_					

e p (1 카

SOIL								s	Sampling Point: T4P15
	cription: Describ	e to the d	epth needed to			or confirm th	ne absence of inc	dicators.)	
Depth	Matrix				Features		- <i>i</i>		
(inches)	Color (moist)	<u>%</u> 95	Color		Type ¹		Texture		Remarks
0-11	10YR 3/2	95	10YR 4/6	5	<u> </u>	M	Silty Clay Lo	am	
11-24	10YR 4/1		10YR 4/6	5	С	Μ	Silty Clay Lo	am	
	·		·					·	
	·		·					·	
	. <u> </u>								
	·		·					·	
	magnetication D Do	nlation DN	Deduced Metrix		d or Cootod Co	and Craina 2	Location: PL=Pore	Lining M. Motrix	
Hydric Soil	oncentration, D=De	pletion, Riv	I=Reduced Matrix,	CS=Covere	a of Coaled Sa	ind Grains		r Problematic Hyc	tric Soils ³ .
Hyune Sonn	Histosol (A1)			Sa	ndy Gleyed mat	riv (S1)		past Prairie Redo	
	Histic Epipedon (A	Δ2)			ndy Redox (S5)			ark Surface (S7)	x (A10)
	Black Histic (A3)	(12)			pped Matrix (S6			on-Manganese Ma	25505 (F12)
	Hydrogen Sulfide	(Δ4)			amy Mucky Mine			ery Shallow Dark	
	Stratified Layers (amy Gleyed Mat			ther (Explain in R	
X	2 cm Muck (A10)	. ,			pleted matrix (F		0		emanoj
X	Depleted Below D		e (A11) X		dox Dark Surfac		31	ndicators of hydro	phytic vegetation and
<u></u>	Thick Dark Surface		<u> </u>		pleted Dark Sur			etland hydrology r	
	Sandy Mucky Mir	. ,			dox Depression:	. ,		less disturbed or	
	5 cm Mucky Peat		3)		LOX Depression	3 (1 0)	u		problematic.
	o chi maoky i cat		0)						
Restrictive	Layer (if observed).							
Type:	Layer (II Observeu).							
Depth (in.)						Hydric	Soil Present?	Yes X	No
Deptit (III.)						Tryanc	John resents		
Remarks:									
rtomanto.									
	01								
HYDROLO									
	drology Indicators		بأتحطر ماممارمط مالفا	hot on all ()				Casandan (Indiaate	and (minimum of two required)
	cators (minimum of urface water (A1)	one is requ	lirea; checked all ti		Stained Leaves	(B0)	·	Surface Soil C	ors (minimum of two required)
	gh Water Table (A2	2)	—		c Fauna (B13)	(69)	_	Drainage patt	
	aturation (A3)	<u>~</u>)	—		quatic Plants (B	14)	_		Vater table (C2)
	ater marks (B1)		—		len Sulfide Odor		_	Crayfish Burro	
	ediment Deposits (E	32)	_		ed Rhizospheres		ts (C3)		sible on Aerial Imagery (C9)
	ift Deposits (B3)	52)	_	Presen	ce of Reduced	Iron (C4)			essed Plants (D1)
	gal Mat or Crust (B	4)	_		Iron Reduction		(C6)	Geomorphic F	
	on Deposits (B5)		_		uck Surface (C7		(00)	FAC-Neutral	()
	undation Visible on				or Well Data (D				
	parsely Vegetated C				Explain in Rema				
0	alooly vogotatou c					unto)			
Field Observ	vations:								
Surface Wate		Yes	No X	Depths (ir	iches):				
Water Table	Present?	Yes	No X	Depths (ir		24			
Saturation P	resent?	Yes	No X	Depths (ir			Wetland Hy	/drology Present?	Yes No X
(includes cap	oillary fringe)						-		
· ·	, , ,								
Describe Re	corded Data (Strea	m gauge, n	nonitoring well, aer	rial photos, p	previous inspect	tions), if availal	ble:		
<u> </u>									
Remarks:									
L									

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Jay County Property	City/Cour	nty: <u>Portland</u>	d/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: 1	Township, Rang	e: Section 19: T23N, I	R14E	
Landform (hillslope, terrace, etc.): Depression		Local relief (co	oncave, 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, expl	ain in Remarks.)	
Are Vegetation, Soil, or Hydrology	significantly of	listurbed?	Are "Normal Circumstances"	" present? Yes	X No
Are Vegetation , Soil , or Hydrology	naturally prob	lematic?	(If needed, explain any answ	vers in Remarks.)	

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

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes Yes Yes	X X X	No No No	 Is the Sampled Area Within a Wetland? 	Yes	X	No	
Remarks: Section VI – Forested w	etland							

Vegetation – Use scientific names of plants.

Tree Stratum (Plot size): 30-ft radius	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. Ulmus americana	40	X	FACW	Number of Dominant Species			
2. Quercus rubra	30	X	FACU	That are OBL, FACW or FAC:		4	(A)
3. Quercus bicolor	10		FACW	Total Number of Dominant		-	
4.				Species Across All Strata:		5	(B)
5.						-	-
	80	= Total Cover		Percent of Dominant Species That are OBL, FACW, or FAC:		80	(A/B)
	00			That are OBL, FACW, OF FAC.		00	. ,
Sapling/Shrub Stratum (Plot size): 15-ft radius				Prevalence Index worksheet:			
1. Quercus bicolor	40	Х	FACW	Total % Cover of:		Multiply by:	
2. Aesculus glabra	10	X	FAC	OBL species	x 1 =	1,5,5	
3.				FACW species	x 2 =		_
4.				FAC species	x 3 =		
5.				FACU species	x 4 =		
		T / 10		UPL species	x 5 =		
	50	= Total Cover		· · · · · · · · · · · · · · · · · · ·	(4)		(D)
Herb Stratum (Plot size): 5-ft radius	-	X	FACW	Column Totals:	(A)		(B)
1. Fraxinus pennsylvanica	5	<u> </u>	FACW	Prevalence Index = B/A =			
2		· · · · · · · · · · · · · · · · · · ·		Hydrophytic Vegetation Indicato			
		·		X Rapid Test for Hydrophytic X Dominance Test > 50%	c vegetat	ion	
4		·					
5.		·		Prevalence Index is $\leq 3.0^{1}$			
6.		· · · · · · · · · · · · · · · · · · ·		Morphological Adaptations Remarks or on a separate	s' (Provide	e supporting data ii	n
7		·				1 (Eveloie)	
8		· · · · · · · · · · · · · · · · · · ·		Problematic Hydrophytic \	egetation	r (Explain)	
9		·		Indiantors of hydric soil and wotley	ad budral		ont
10		<u> </u>		¹ Indicators of hydric soil and wetlan		ogy must be pres	ent,
	_	T		unless disturbed or problematic.			
	5	= Total Cover		Hydrophytic			
Woody Vine Stratum (Plot size): 30-ft radius				Vegetation Yes Present?	х	No	
9.				Fresentr	~		
10							
		= Total Cover		•			
Remarks: (Include photo numbers here or on a sep	arate shee	t.)		1			

SOIL									pling Point: T4P16
Profile Des	cription: Describ	e to the d	epth needed to de	ocument ti	he indicator	or confirm th	e absence of indic	ators.)	
Depth	Matrix			Redox Fe	eatures				
(inches)	Color (moist)	%	Color	%	Type ¹	Loc ²	Texture		Remarks
0-8	10YR 2/1	95	10YR 4/6	5	C	М	Silty Clay Loan	<u>וווווווווווווווווווווווווווווווווווו</u>	
8-24							Cobblestone		
						<u> </u>			
					<u> </u>	<u> </u>			
17			Deduced Metric C	0.0		2		inter M. Madelu	
	oncentration, D=Dep	Dietion, RIV	=Reduced Matrix, C	S=Covered	or Coated Sa	nd Grains	Location: PL=Pore L		0-11-3-
Hydric Soil				0		. (0.1)		Problematic Hydric	
— —	Histosol (A1)				dy Gleyed mat	rix (S4)		st Prairie Redox (A	(16)
	Histic Epipedon (A	A2)			dy Redox (S5)			surface (S7)	
	Black Histic (A3)				ped Matrix (S6	,		-Manganese Mass	
	Hydrogen Sulfide	. ,			ny Mucky Mine			Shallow Dark Sur	
	Stratified Layers (A5)		Loan	ny Gleyed Mat	rix (F2)	Othe	er (Explain in Rem	arks)
	2 cm Muck (A10)				eted matrix (F	3)			
	Depleted Below D	ark Surfac	e (A11) X	Redo	ox Dark Surfac	e (F6)	³ Ind	icators of hydrophy	tic vegetation and
	Thick Dark Surfac	e (A12)		Depl	eted Dark Sur	ace (F7)	wetl	and hydrology mus	st be present,
	Sandy Mucky Min	eral (S1)		Redo	ox Depression	s (F8)		ss disturbed or pro	
	5 cm Mucky Peat		3)	_		- (-)			
	,		- /						
Restrictive	Layer (if observed)								
Type:		-							
Depth (in.)						Hydric	Soil Present?	Yes X	No
Deptil (III.)				_		nyune	Son Fresent?	Yes X	110
Demerles O		4 - 1 - 6	waa adaa adaa adaa adaa adaa adaa adaa						
Remarks: CC	obblestone appears	to be from	nearby railroad						
HYDROLO	GY								
	drology Indicators	•							
	cators (minimum of		ired: checked all the	at apply)			Se	condary Indicators	(minimum of two required)
	urface water (A1)				tained Leaves	(B9)		Surface Soil Crac	
	gh Water Table (A2)	<u> </u>		Fauna (B13)	(20)		Drainage pattern	
	aturation (A3))			uatic Plants (B	14)		Dry-Season Wate	
	ater marks (B1)				n Sulfide Odor			Crayfish Burrows	
	ediment Deposits (B	2)				s on Living root			on Aerial Imagery (C9)
	rift Deposits (B3)	2)			e of Reduced			Stunted or Stress	
		N					(CC) V		
	gal Mat or Crust (B4	+)				in Tilled Soils	(C6) <u>X</u>	Geomorphic Posi	
	on Deposits (B5)		(07)		ck Surface (C7		X	FAC-Neutral Tes	t (D5)
	undation Visible on				or Well Data (D				
X Sp	parsely Vegetated C	oncave Su	rface (B8)	_ Other (E	xplain in Rema	arks)			
Field Cl.									
Field Obser		V.	NL M	Death "	h).				
Surface Wat		Yes	<u>No X</u>	Depths (inc					
Water Table		Yes	<u>No X</u>	Depths (inc	· ·				.
Saturation P		Yes	<u>No X</u>	Depths (inc	hes):		Wetland Hydr	ology Present?	Yes <u>X</u> No
(includes cap	oillary fringe)								
Describe Re	corded Data (Strear	n gauge, n	nonitoring well, aeria	al photos, pr	evious inspect	ions), if availat	ole:		
Remarks:									
L									

APPENDIX B SITE PHOTOGRAPHS



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



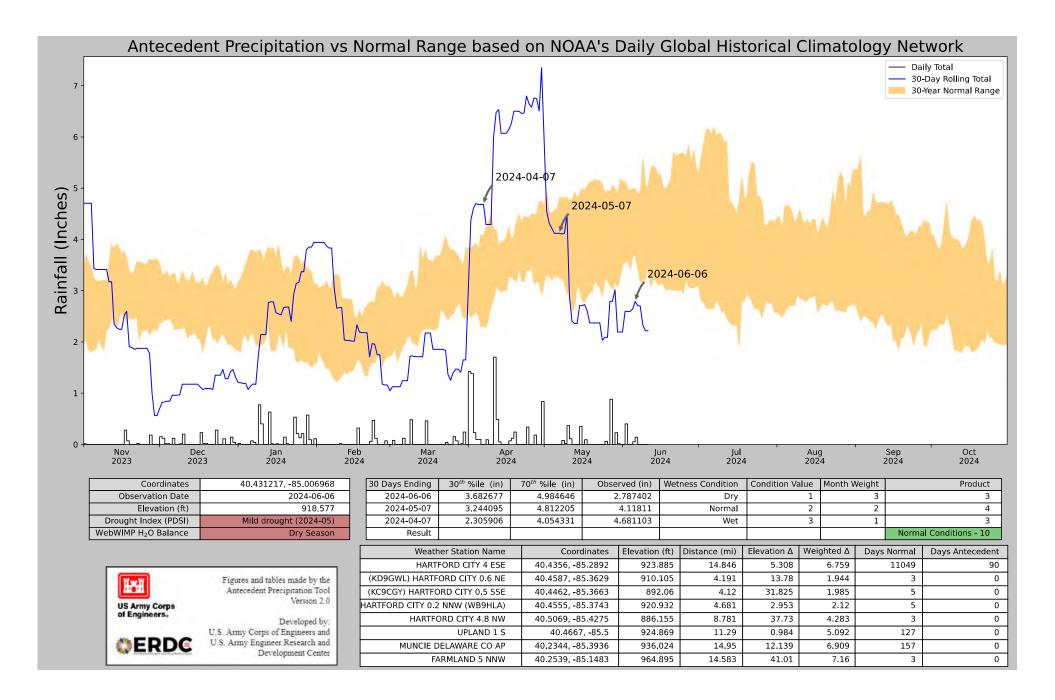
55. View north of Section VI at data point T4P16. 6/7/2024.

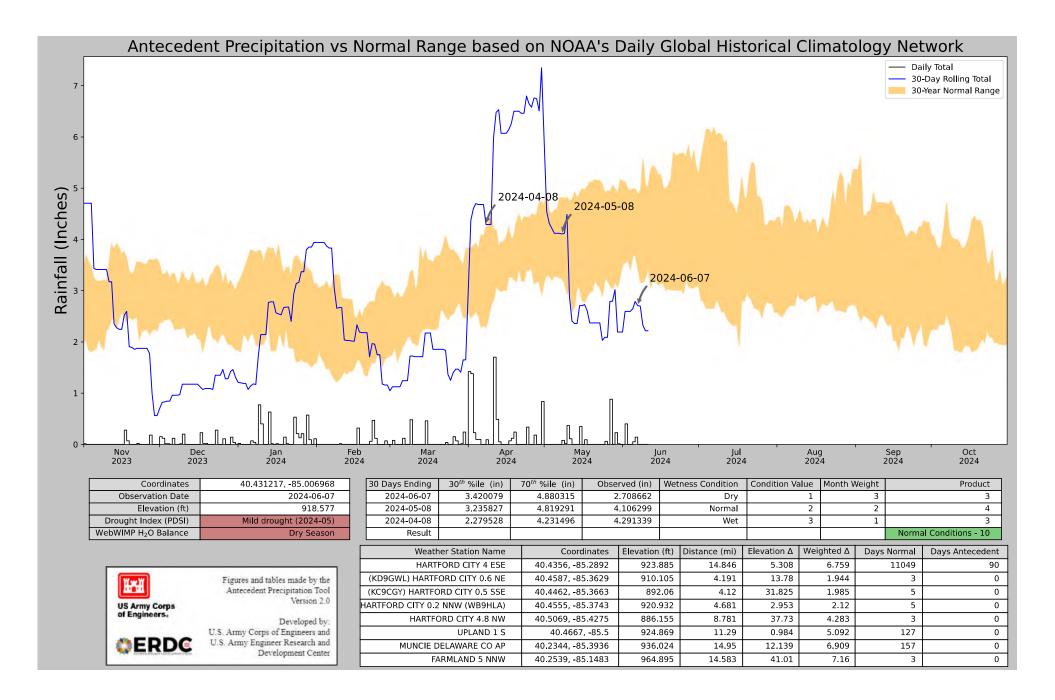


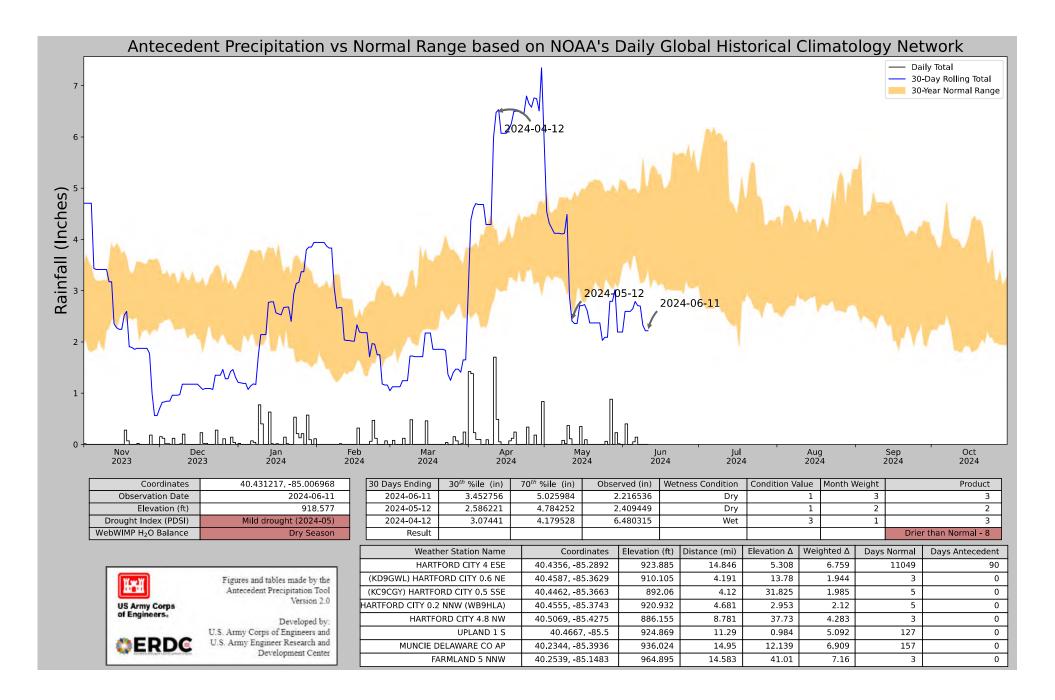
56. View east of Section VI. 6/7/2024.

APPENDIX C

"TYPICAL YEAR" PRECIPITATION DATA

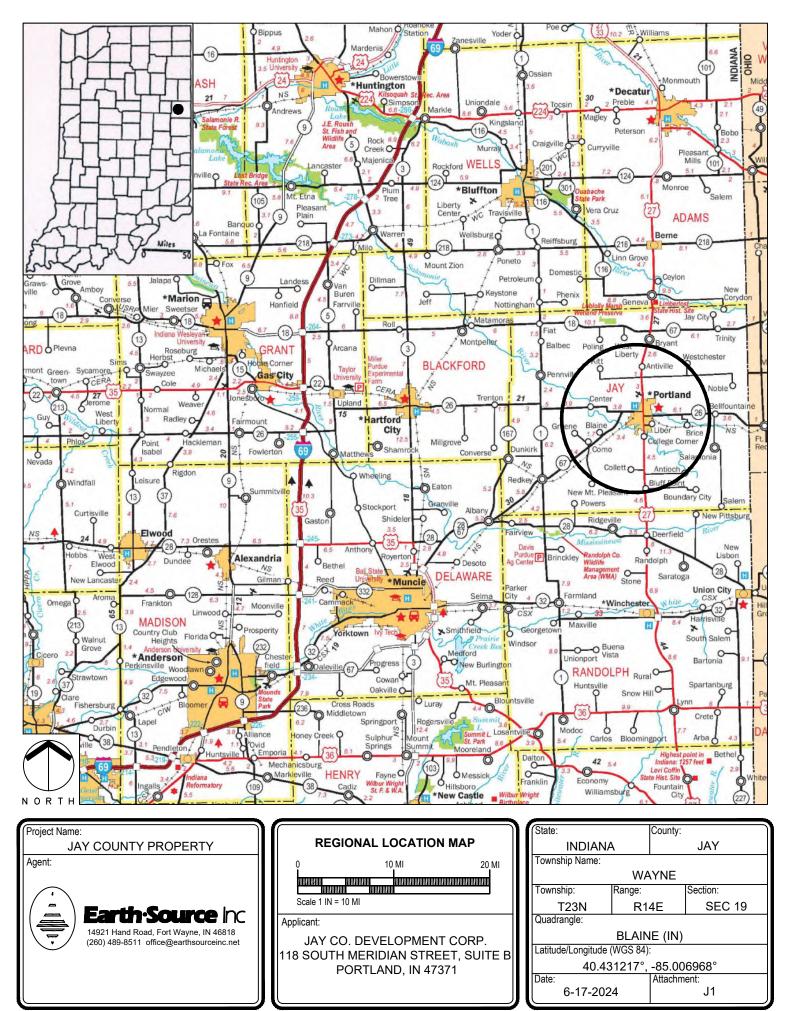




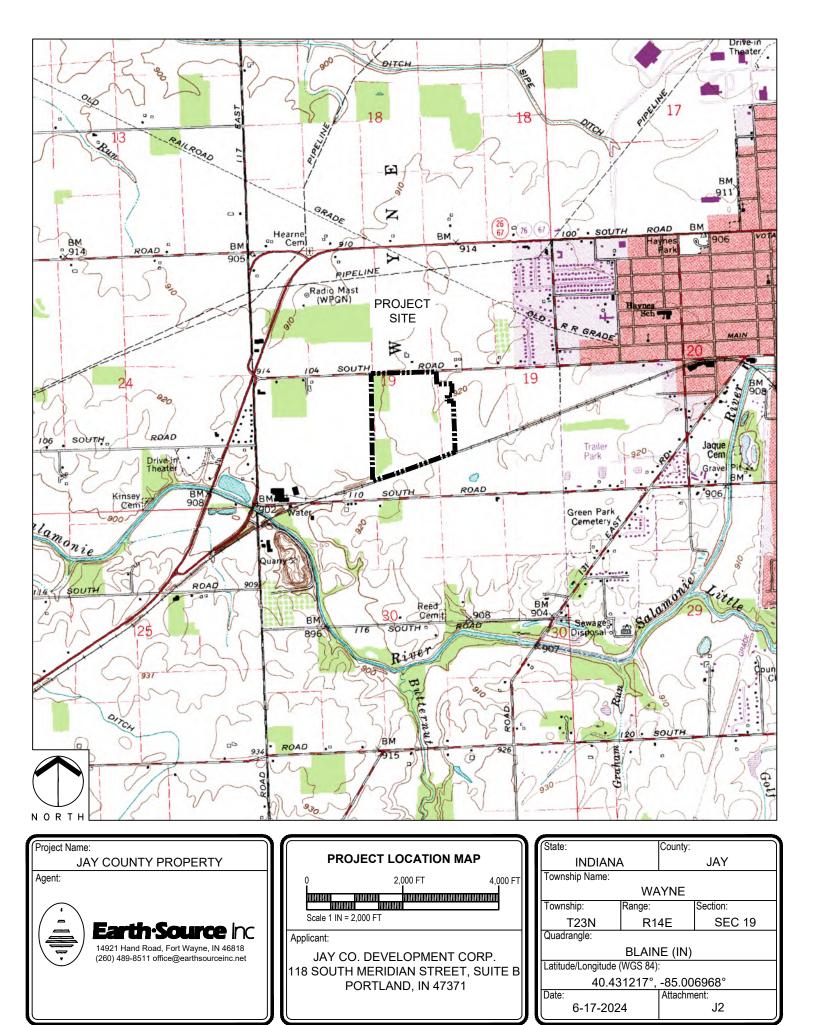


DELINEATION GRAPHICS

REGIONAL LOCATION MAP	P1
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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



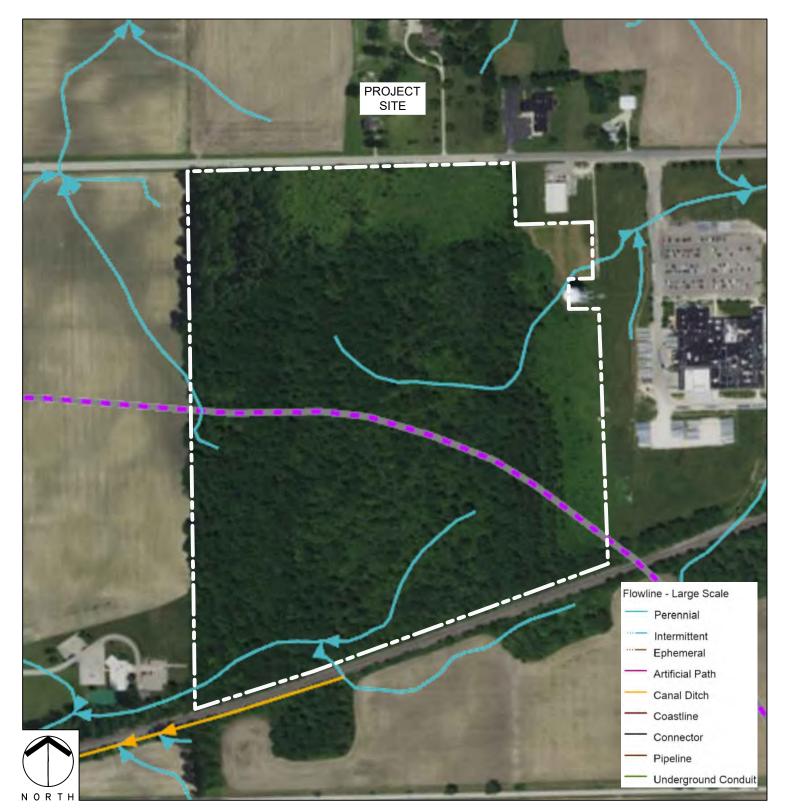
Basemap: Indiana Department of Transportation. Indiana Roadway Map 2021. Indianapolis, Indiana



Basemap: U.S. Geological Survey. 1960, minor revision 1994. Blaine Quadrangle. 1:24,000. Map. 7.5-Minute Series. U.S. Department of the Interior. Reston, VA.

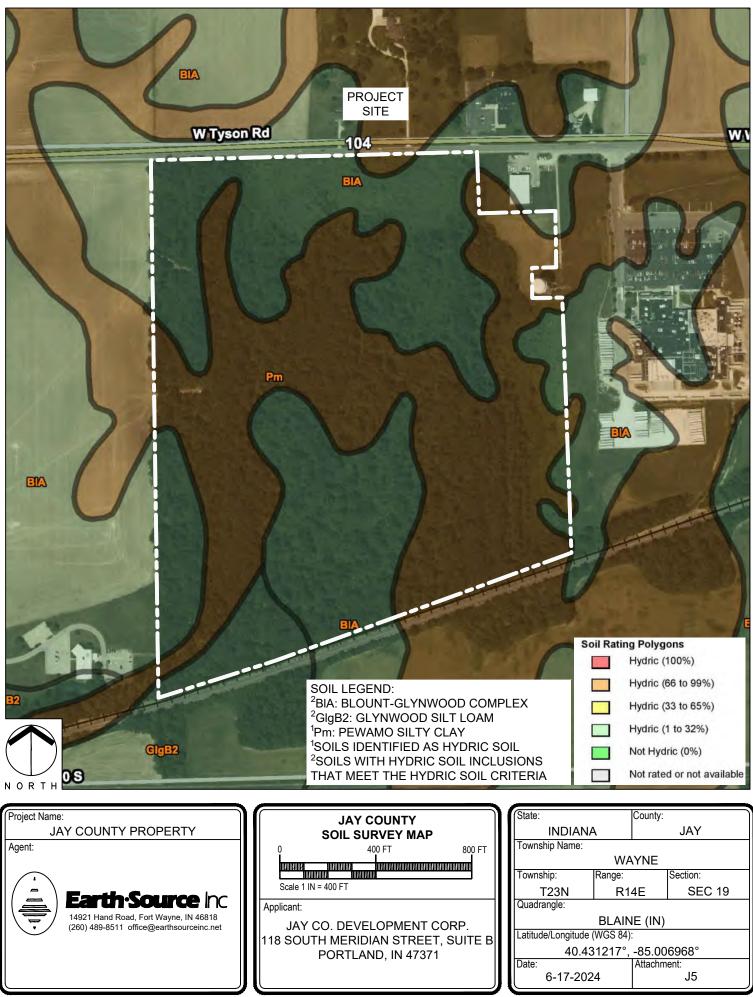


Basemap: U.S. Fish and Wildlife Service. 2022. National Wetlands Inventory website. U.S. Department of the Interior, Fish and Wildlife Service. Washington, D.C. http://www.fws.gov/wetlands/. Accessed 3/12/2024.



Project Name: JAY COUNTY PROPERTY	NATIONAL HYDROGRAPHY DATASET	State: County: INDIANA JAY
Agent:	0 400 FT 800 FT	Township Name: WAYNE Township: Range: Section: T23N R14E SEC 19
Earch-Source inc. 14921 Hand Road, Fort Wayne, IN 46818 (260) 489-8511 office@earthsourceinc.net	Applicant: JAY CO. DEVELOPMENT CORP. 118 SOUTH MERIDIAN STREET, SUITE B PORTLAND, IN 47371	Quadrangle: BLAINE (IN) Latitude/Longitude (WGS 84): 40.431217°, -85.006968° Date: 6-17-2024 J4

Basemap: U.S. Geological Survey. 2022. USGS TNM Hydrography (NHD). https://apps.nationalmap.gov/viewer/. Accessed 3/12/2024.

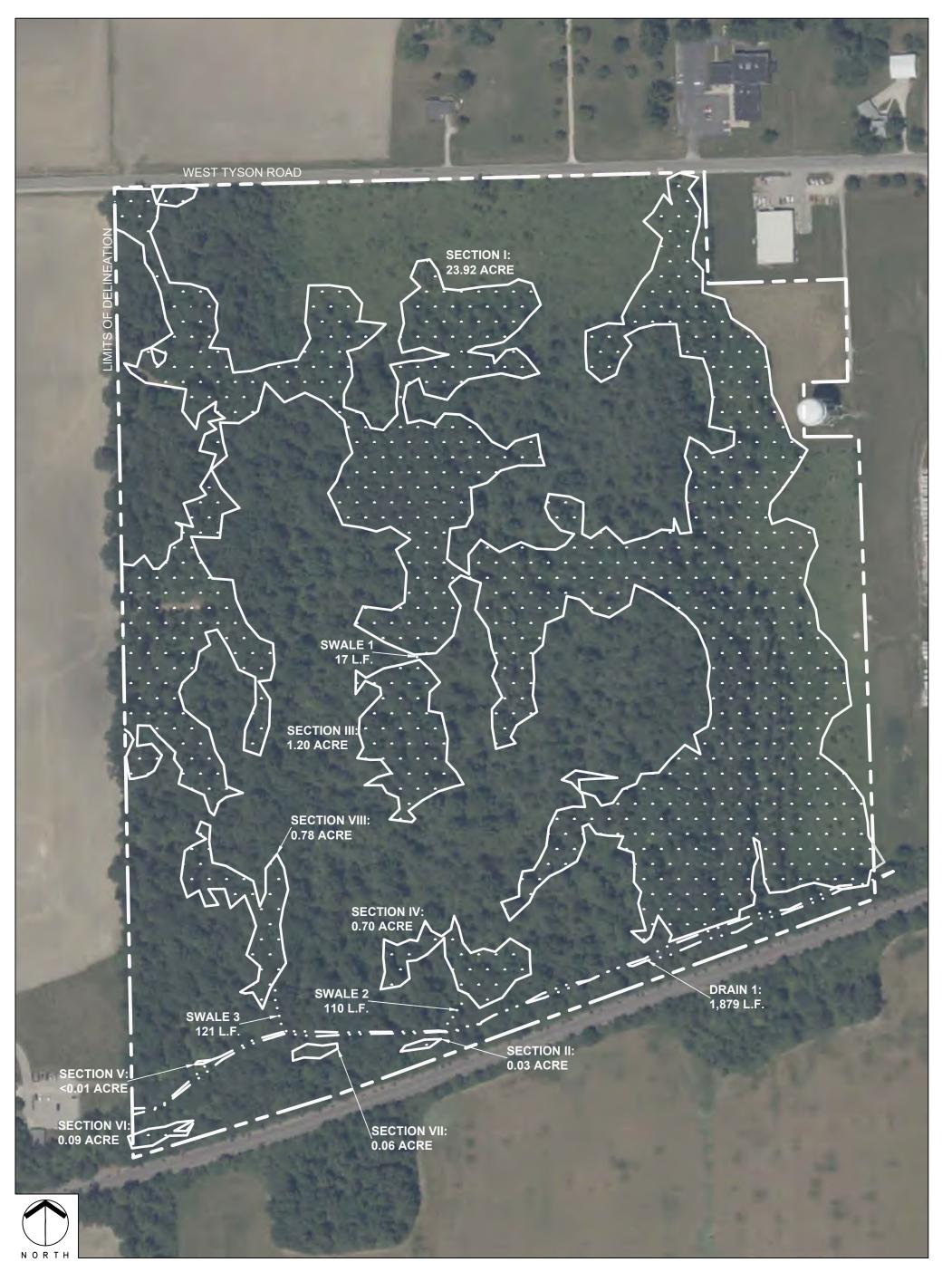


Basemap: Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture. Web Soil Survey. Available online at the following link: http://websoilsurvey.sc.egov.usda.gov/. Accessed 3/12/2024.



Project Name: JAY COUNTY PROPERTY	2022 AERIAL PHOTOGRAPH MAP	State: County: INDIANA JAY
Agent:	0 400 FT 800 FT	Township Name: WAYNE
Earth-Source Inc	Scale 1 IN = 400 FT	Township: Range: Section: T23N R14E SEC 19
Earth-Source InC 14921 Hand Road, Fort Wayne, IN 46818 (260) 489-8511 office@earthsourceinc.net	Applicant: JAY CO. DEVELOPMENT CORP. 118 SOUTH MERIDIAN STREET, SUITE B	Quadrangle: BLAINE (IN) Latitude/Longitude (WGS 84):
	PORTLAND, IN 47371	40.431217°, -85.006968° Date: Attachment: 6-17-2024 J6

Basemap: Farm Service Agency. 2022 Aerial. National Agriculture Imagery Program. U.S. Department of Agriculture. Salt Lake City, Utah.



Project Name: JAY COUNTY PROPERTY	WETLAND DELINEATION MAP	State: County: INDIANA JAY			
Agent:	0 200 FT 400 FT	Township Name: WAYNE			
Earth -Source Inc	Scale 1 IN = 200 FT	Township: Range: Section: T23N R14E SEC 19			
Laron Source InC 14921 Hand Road, Fort Wayne, IN 46818 (260) 489-8511 office@earthsourceinc.net	Applicant: JAY CO. DEVELOPMENT CORP.	Quadrangle: BLAINE (IN)			
	118 SOUTH MERIDIAN STREET, SUITE B PORTLAND, IN 47371	Latitude/Longitude (WGS 84): 40.431217°, -85.006968° Date: Attachment:			
		6-17-2024 J7			

Basemap: Farm Service Agency. 2022 Aerial. National Agriculture Imagery Program. U.S. Department of Agriculture. Salt Lake City, Utah.



Project Name: JAY COUNTY PROPERTY	DATA POINT LOCATION MAP	State: INDIANA	County: JAY
Agent:	0 200 FT 400 FT		AYNE
Earth Source Inc	Scale 1 IN = 200 FT		Section: I4E SEC 19
Larch'Source Inc 14921 Hand Road, Fort Wayne, IN 46818 (260) 489-8511 office@earthsourceinc.net	Applicant: JAY CO. DEVELOPMENT CORP.		NE (IN)
	118 SOUTH MERIDIAN STREET, SUITE B PORTLAND, IN 47371	40.431217°): , -85.006968°
		Date: 6-17-2024	Attachment: J8

Basemap: Farm Service Agency. 2022 Aerial. National Agriculture Imagery Program. U.S. Department of Agriculture. Salt Lake City, Utah.

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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