From:	Robinson, William
То:	Ron Dixon
Cc:	Matthews, Scott A CIV USARMY CELRL (USA; Sarah Harrison@fws.gov; Boszor, Brian; DNR INSWMP-Inquiry
Subject:	2023-28-49-WLR-A Parks at Decatur 401 WQC
Date:	Thursday, June 29, 2023 1:34:00 PM
Attachments:	2023-28-49-WLR-A 401 WOC Permit Parks at decatur.pdf
	image002.png
	image003.png
	image004.png
	image005.png
	image006.png

Hello Ron,

Attached is the approved 401 permit for the parks at Decatur project located at Latitude 39.6334, Longitude -86.2919. Please be advised that the 404 also needs approval for work to start at this site, pending EPA review. Let me know if you have any questions, thanks.



William Robinson, Wetland Project Manager Wetlands and Stormwater Section, Office of Water Quality 100 North Senate Avenue, Room 1255 Indianapolis Indiana 46204 Phone: (317) 460-6530 Fax: (317) 234-4145 Wrobinso@idem.IN.gov Storm Water Program: http://www.in.gov/idem/stormwater Indiana Storm Water Quality Manual: http://www.in.gov/idem/stormwater/2363.htm Section 401 Water Quality Certification and Isolated Wetlands Program: http://www.in.gov/idem/wetlands

Indiana Department of Environmental Management



IDEM values your feedback. Please take two minutes and complete this brief survey.





INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

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Eric J. Holcomb Governor Brian C. Rockensuess Commissioner

Section 401 Water Quality Certification

2023-28-49-WLR-A

LRL-2021-707-sam

Parks at Decatur

IDEM Number:

USACE Number:

Date of Issuance:

Project Name:

Authority:

327 IAC 2. CWA Sections: 301, 302, 303, 306, 307, & 401 6/29/2023

Impacts must be completed by:

6/29/2025

Approved:

Applicant / Permittee:

Agent:

Project Location:

BiWolf

Brian Wolff, Branch Chief Surface Water and Operations Office of Water Quality

D.R. Horton Attn: Mark Allen Bridwell 9210 N. Meridian Indianapolis, IN, 46220

Natural Resource Consulting Attn: Ron Dixon 7719 Knapp Road Indianapolis, IN 46259

Marion County Latitude 39.6334, Longitude -86.2919 Located west of Paddock road between Ralston Road to the North and W County Line Road to the south



Project Description:	Discharge 11,132 cubic yards of fill in 2.7 acres of wetland.
	Impact 2,059 linear feet of stream through dredging, encapsulation and filling.
	Mitigate for impacts to aquatic resources by purchasing 4.164 acres of emergent credits and 2.934 acres of Scrub-shrub credits and 2,471 linear feet of stream mitigation credits within the Upper White Service Area of the Indiana Stream and Wetland Mitigation Program.

Authorized Impacts

STREAM IMPACT(S)	Length of Impact (linear feet)		
Type of Impact:	Ephemeral	Intermittent	Perennial
Channel unit 1		159	
Channel Unit 4	341		
Channel Unit 5	479		
Channel Unit 7	1080		

WETLAND IMPACT(S)	Area of Impact (acres)			
Type of Impact:	Open Water	Emergent	Scrub/Shrub	Forested
Wetland A		0.68		
Wetland B			0.02(being restored)	
Wetland D		0.01(being restored)		
Wetland F			0.85	
Wetland G		0.59		
Wetland H		0.03		
Wetland I			0.09	
Wetland J		0.67		

Project Mitigation

MITIGATION BANKS AND IN-LIEU FEE	Stream (Linear Feet)	
Type of Purchase	ILF	
In-Lieu Fee Credits:	2471	

MITIGATION BANKS AND IN-LIEU FEE	Wetland (Acres)		
Type of Purchase	Emergent	Scrub/Shrub	Forested
In-Lieu Fee Credits	4.164	2.934	

Mitigation Location: ILF Upper White Service Area

Application Signed: 1/11/2023

Application Received: 1/18/2023

Based on available information, it is the judgment of this office that the impacts from the proposed project as outlined by this Section 401 Water Quality Certification and described in your application will comply with the applicable provisions of 327 IAC 2 and Sections 301, 302, 303, 306, and 307 of the Clean Water Act if you comply with the conditions set forth below. Therefore, subject to the following conditions, the Indiana Department of Environmental Management (IDEM) hereby grants Section 401 Water Quality Certification for the project described in your application. Any changes in project design or scope not detailed in the application described above or modified by this Section 401 Water Quality Certification are not authorized.

Failure to comply with the terms and conditions of this Section 401 Water Quality Certification may result in enforcement action against you. If an enforcement action is pursued, you could be assessed up to \$25,000 per day in civil penalties. You may also be subject to criminal liability if it is determined that the Section 401 Water Quality Certification was violated willfully or negligently.

Conditions of the Section 401 Water Quality Certification

1.0 General

- (a) Per 33 CFR 325.6(c), 327 IAC 5-2-6, IC 13-15-3-2 the federal license shall have an established timeframe and the state permit must be for a fixed term, no longer than five years. Therefore, all approved discharges must be completed within the term of the valid federal permit, not to exceed five years.
- (b) Per IC 13-14-2-2, the department may inspect public or private property to inspect for and investigate possible violations of environmental management laws. Therefore, the commissioner or an authorized representative of the

commissioner (including an authorized contractor), upon the presentation of credentials must be allowed:

- (1) to enter your property, including impact and mitigation site(s);
- (2) to have access to and copy at reasonable times any records that must be kept under the conditions of this certification;
- (3) to inspect, at reasonable times, any monitoring or operational equipment or method; collection, treatment, pollution management or discharge facility or device; practices required by this certification; and any mitigation wetland site;
- (4) to sample or monitor any discharge of pollutants or any mitigation site.

2.0 Mitigation

Per 327 IAC 2, the goal of Indiana's water quality standards is to restore and maintain the chemical, physical and biological integrity of the state's waters. Mitigation of dredge and fill impacts to Indiana's water resources is required to maintain water quality.

- (a) Per 40 CFR 230.91; 33 CFR 332.3; 327 IAC 2-1; 327 IAC 2-1.5, implementation of the submitted and approved mitigation plan is to ensure the water quality functions of the impacted waters are replaced, preventing a reduction in water quality. Therefore, implement the mitigation plan as described in the application (referred to collectively hereinafter as the "mitigation plan"), and as modified by the conditions of this certification.
- (b) Mitigation via mitigation bank or ILF Per 33 CFR 332.3 (f); 327 IAC 2-1; 327 IAC 2-1.5 the amount of mitigation required must be listed within the permit.
 - (1) Provide to IDEM proof of 4.164 acres of emergent wetland credits, 2.934 acres of Scrub-shrub wetland credits and 2,471 linear feet of in-lieu fee stream credits within the Upper White Service Area from the Indiana Stream and Wetland Mitigation Program (IN SWMP):
 - (A) Within one (1) year of the date of this authorization;
 - (B) Before authorized impacts to waters of the State.

Be aware that credits may not be available at all times.

Failure to purchase credits by the required date may result in additional mitigation requirements to compensate for temporal loss.

3.0 Erosion and Sediment Control

Per 40 CFR 122.26, 327 IAC 15; 327 IAC 2-1; 327 IAC 2-1.5, the use of appropriate stormwater control measures and maintenance thereof will prevent any sediment laden water from migrating off site and entering waterways and wetlands, potentially impairing water quality. Therefore, the following erosion and sediment control steps must be completed.

- (a) Implement erosion and sediment control measures on the construction site prior to land disturbance to minimize soil from leaving the site or entering a waterbody. Erosion and sediment control measures shall be implemented using an appropriate order of construction (sequencing) relative to the landdisturbing activities associated with the project. Appropriate measures include, but are not limited to, silt fence, diversions, and sediment traps.
- (b) Monitor and maintain erosion control measures and devices regularly, especially after rain events, until all soils disturbed by construction activities have been permanently stabilized.
- (c) Use run-off control measures, including but not limited to diversions and slope drains. These measures are effective for directing and managing run-off to sediment control measures and for preventing direct run-off into waterbodies.
- (d) Install and make appropriate modifications to erosion and sediment control measures based on current site conditions as construction progresses on the site. The Indiana Storm Water Quality Manual or similar guidance documents are available to assist in the selection of measures that are applicable to individual project sites.
- (e) Implement appropriate erosion and sediment control measures for all temporary run-arounds, cofferdams, temporary causeways, temporary crossings, or other such structures that are to be constructed within any waters of the state. Minimize disturbance to riparian areas when constructing these structures. Structures must be included in reviewed designs or approved by IDEM prior to use. Construct temporary run-arounds, temporary cofferdams, temporary causeways, temporary crossings, or other such structures of nonerodible materials. Temporary crossings and causeways must be completely removed upon completion of the project and the affected area restored to preconstruction contours, grades, and vegetative conditions.
- (f) Install stream pump-around operations in accordance with the plans and ensure in-stream component is constructed of non-sediment producing materials. The discharge at the outlet shall not cause erosion of the stream bottom and banks.

- (g) Direct cofferdam dewatering activities to an appropriate sediment control measure or a combination of measures prior to discharging into a water of the state to minimize the discharge of sediment-laden water.
- (h) Ensure cut and fill slopes located adjacent to wetlands and streams (including encapsulated streams) or that directly discharge to these aquatic features are stabilized using rapid/incremental seeding or other appropriate stabilization measures.
- (i) Stabilize and re-vegetate disturbed soils as final grades are achieved. Initiation of stabilization must occur immediately or, at a minimum, within the requirements of a construction site run-off permit after work is completed. Use a mixture of herbaceous species beneficial for wildlife or an emergent wetland seed mix wherever possible and appropriate. Tall fescue may only be planted in ditch bottoms and ditch side slopes and must be a low endophyte seed mix. Stabilize the channel before releasing stream flows into the channel.
- (j) As work progresses, re-vegetate areas void of protective ground cover. Areas that are to be re-vegetated shall use seeding and anchored mulch. <u>If</u> <u>alternative methods are required to ensure stabilization, erosion control</u> <u>blankets may be used that are biodegradable, that use loose-woven/lenowoven netting to minimize the entrapment and snaring of small-bodied</u> <u>wildlife such as snakes and turtles (follow manufacturer's</u> <u>recommendations for selection and installation).</u>

Anchor mulch. Anchoring shall be appropriate for the site characteristics such as slope, slope length, and concentrated flows. <u>Anchoring methods may not</u> include loose netting over straw, but can range from crimping of straw, erosion control blankets as specified above that minimize wildlife entrapment, or net free blankets. Tackifiers with mulch and hydro-mulch are acceptable and shall be applied to the manufacturer specifications.

4.0 Construction

Per 327 IAC 2-1-6(b)(4) the protection of existing uses for aquatic life is required and, per 327 IAC 2-1.3-2 (4) the utilization of best management practices helps ensure the protection of existing uses. Therefore, the following best management practices are required.

- (a) Avoid in stream channel work during the fish spawning season (April 1 through June 30).
- (b) Clearly mark wetlands and streams that are to remain undisturbed on the project site.

- (c) Restrict channel work and vegetation clearing to the minimum necessary for the installation of any structures. Work from only one side of the stream, and, where possible, from the side of the stream which does not have adjacent wetlands. If no wetlands are present, work from the side with the fewest trees and woody vegetation.
- (d) Ensure permanent in-stream structures, including but not limited to culverts and other stream encapsulations, are embedded and sized appropriately so as not to impede surface flows or create abnormal impediments to aquatic life.
- (e) Deposit any dredged material in a contained upland (non-wetland) disposal area to prevent sediment run-off to any waterbody.
- (f) Create temporary structures constructed in streams such that near normal stream flows are maintained. (327 IAC definitions Stream Design Flow?)

Other Applicable Permits

Based on the proposed land disturbance, a construction stormwater general permit is required for the project. Permit coverage must be obtained prior to the initiation of landdisturbing activities. Information related to obtaining permit coverage is available at <u>www.in.gov/idem/stormwater</u> or by contacting the IDEM, Stormwater Program at 317-233-1864 or via email at <u>Stormwat@idem.IN.gov</u>.

This certification does not relieve you of the responsibility of obtaining any other permits or authorizations that may be required for this project or related activities from IDEM or any other agency or person. You may wish to contact the Indiana Department of Natural Resources at 317-232-4160 (toll free at 877-928-3755) concerning the possible requirement of natural freshwater lake or floodway permits.

This certification does not:

- (1) Authorize impacts or activities outside the scope of this certification;
- (2) Authorize any injury to persons or private property or invasion of other private rights, or any infringement of federal, state or local laws or regulations;
- (3) Convey any property rights of any sort, or any exclusive privileges;
- (4) Preempt any duty to obtain federal, state or local permits or authorizations required by law for the execution of the project or related activities; or
- (5) Authorize changes in the plan design detailed in the application.

Notice of Right to Administrative Review (Permits)

If you wish to challenge this permit, you must file a Petition for Administrative Review with the Office of Environmental Adjudication (OEA), and serve a copy of the petition upon IDEM. The requirements for filing a Petition for Administrative Review are found in IC 4-21.5-3-7, IC 13-15-6-1 and 315 IAC 1-3-2. A summary of the requirements of these laws is provided below.

A Petition for Administrative Review must be filed with the Office of Environmental Adjudication (OEA) within fifteen (15) days of the issuance of this notice (eighteen (18) days if you received this notice by U.S. Mail), and a copy must be served upon IDEM. Addresses are:

Director	Commissioner
Office of Environmental Adjudication	Indiana Dept. of Environmental Management
Indiana Government Center North	Indiana Government Center North
100 North Senate Avenue, Room N103	100 North Senate Avenue, Room 1301
Indianapolis, Indiana 46204	Indianapolis, Indiana 46204

The petition must contain the following information:

- (a) The name, address and telephone number of each petitioner.
- (b) A description of each petitioner's interest in the permit.
- (c) A statement of facts demonstrating that each petitioner is:
 - (1) a person to whom the order is directed;
 - (2) aggrieved or adversely affected by the permit; or
 - (3) entitled to administrative review under any law.
- (d) The reasons for the request for administrative review.
- (e) The particular legal issues proposed for review.
- (f) The alleged environmental concerns or technical deficiencies of the permit.
- (g) The permit terms and conditions that the petitioner believes would be appropriate and would comply with the law.
- (h) The identity of any persons represented by the petitioner.
- (i) The identity of the person against whom administrative review is sought.
- (j) A copy of the permit that is the basis of the petition.
- (k) A statement identifying petitioner's attorney or other representative, if any.

Failure to meet the requirements of the law with respect to a Petition for Administrative Review may result in a waiver of your right to seek administrative review of the permit. Examples are:

- (a) Failure to file a Petition by the applicable deadline;
- (b) Failure to serve a copy of the Petition upon IDEM when it is filed; or
- (c) Failure to include the information required by law.

IDEM No. 2023-28-49-WLR-A Page 9

If you seek to have a permit stayed during the administrative review, you may need to file a Petition for a Stay of Effectiveness. The specific requirements for such a Petition can be found in 315 IAC 1-3-2 and 315 IAC 1-3-2.1.

Pursuant to IC 4-21.5-3-17, OEA will provide all parties with notice of any pre-hearing conferences, preliminary hearings, hearings, stays, or orders disposing of the review of this action. If you are entitled to notice under IC 4-21.5-3-5(b) and would like to obtain notices of any pre-hearing conferences, preliminary hearings, hearings, stays, or orders disposing of the review of this action without intervening in the proceeding you must submit a written request to OEA at the address above.

If you have procedural or scheduling questions regarding your Petition for Administrative Review, additional information on the review process is available at the website of the Office of Environmental Adjudication at http://www.in.gov/oea.

If you have any questions about this certification, please contact William Robinson, Project Manager, by email at <u>WRobinso@IDEM.IN.Gov</u> or by phone at 317-460-6530.

cc: Scott Matthews USACE – Louisville District Sarah Harrison USFWS Brian Boszar, IDNR Indiana Stream and Wetland Mitigation Program (Electronic) Ron Dixon, Natural Resource Consulting



Indiana Department of Environmental Management Office of Water Quality Wetlands Section

Publication Date: 1/26/2023

Closing Date: 2/16/2023

IDEM ID Number: 2023-28-49-WLR-X

Corps of Engineers ID Number: LRL-2021-707-sam

To all interested parties: This letter shall serve as a formal notice of the receipt of an application for a **State Isolated Wetland Individual Permit** by the Indiana Department of Environmental Management (IDEM). The purpose of the notice is to inform the public of active applications submitted for permits required under IC 13-18-22 and to solicit comments and information on any impacts to water quality related to the proposed project. IDEM will evaluate whether the project complies with Indiana's water quality standards as set forth at 327 IAC 2 and all applicable provisions of IC 13-18-22.

PUBLIC NOTICE

1. Applicant:	Mark A D.R. H 9210 N Indiana	Allen Bridwell forton J. Meridian apolis, IN, 46220	2. Agent:	Ron Dixon Natural Resource Consulting 7719 Knapp Road Indianapolis, IN 46259		
3. Project location:		39.6334, -86.2919 Located west of Paddock road between Ralston Road to the North and W County Line Road to the south				
4. Affected waterbody:		Wetland A:0.68 acre emergent wetland with 0.68 acre impacted by fill Wetland B:0.17 acre forested wetland with 0.02 acre impacted by fill, to be restored Wetland D: 0.04 acre forested wetland with 0.01 acre impacted by fill, to be restored Wetland F: 0.98 acre scrub-shrub wetland with 0.85 acre impacted by fill Wetland G: 0.52 acre emergent wetland with 0.52 acre impacted by fill Wetland H: 0.03 acre emergent wetland with 0.3 acre impacted by fill Wetland I: 0.33 acre scrub-shrub wetland with 0.09 acre impacted by fill Wetland J: 2.00 acres emergent wetland with 0.67 acre impacted by fill Stream Channel 1: 3749 linear foot intermittent stream with 159 linear feet impacted Stream Channel 5: 1529 linear feet ephemeral stream with 341 linear feet impacted Stream Channel 7: 2376 linear feet ephemeral stream with 1080 linear feet impacted				
5. Project Descrip	otion:	The project is a single family home resid in 11,132 cubic yards of fill deposited in make room for the homes and utilities or mitigation will be purchased from the ID	lential subdivisi 2.7 acres of we 1 site. 7.098 acro DNR In-lieu fee	on with utilities, roads, and detention basins. It will result thand. 2,059 linear feet of stream will also be impacted to es of wetland mitigation and 2,471 linear feet of stream program in the Upper White service area.		
Comment period:		Any person or entity who wishes to subm do so by the closing date noted above. O impacts of the project on water quality co process.	n or entity who wishes to submit comments or information relevant to the aforementioned project may le closing date noted above. Only comments or information related to water quality or potential the project on water quality can be considered by IDEM in the state isolated wetland permit review			
Public Hearing:		Any person may submit a written reques in connection with the project detailed in comment period to be considered timely specifically as possible to assist IDEM in	t that a public h this notice. Th . The request sh n determining w	earing be held to consider issues related to water quality he request for a hearing should be submitted within the hould also state the reason for the public hearing as whether a public hearing is warranted.		

Questions?

Additional information may be obtained from Marty Maupin, Project Manager, at 317-233-2471 or by email at mmaupin@idem.in.gov. Please address all correspondence to the project manager and reference the IDEM project identification number listed on this notice. Indicate if you wish to receive a copy of IDEM's final decision. Written comments and inquiries may be forwarded to -

Indiana Department of Environmental Management 100 North Senate Avenue MC65-42 WQS IGCN 1255 Indianapolis, Indiana 46204-2251 FAX: 317/232-8406







Parks at Decatur Residential Subdivision - Indianapolis, Indiana

1. Basic Project Purpose

Parks at Decatur, a 160 +/- acre subdivision, involves the development of a new single-family residential subdivision by D.R. Horton Homes, along with the typical required infrastructure of roads, house pads, utilities, storm water features, trails, greenspace areas, including 28+ acres being set aside for a new park (hence the name of this subdivision).

2. Overall Project Purpose and Need

The overall purpose of Parks at Decatur is to create a new single-family residential subdivision in southwestern Marion County, Indiana, to help meet the demand for new housing in Indianapolis and the surrounding metropolitan areas. Sewer, water, and other necessary utilities are present at this site to support residential housing. Numerous other recent subdivisions have and/or are being developed in this area as part of the Indianapolis Comprehensive Land Development Plan.

The site is a large row crop farm bisected by numerous (7) wooded and herbaceous corridors parallel to small intermittent and ephemeral stream channels totaling approximately 8,591 lineal feet. Along these channels we delineated 11 wetlands totaling approximately 5.30 acres. The central flowage west to east location of these natural drainageways required some unavoidable impacts to support the infrastructure of this subdivision. However, our land development team worked closely together to minimize our impacts to less than 2,059 feet of channel and 2.70 acres of wetland. 159 lineal feet are for the crossing of an intermittent channel (Channel Unit #1). The remaining 1,900 lineal feet are ephemeral channel impacts. Nearly all of the higher quality intermittent riparian wooded corridor is being avoided and preserved into a new 28 acre park.

3. Special Aquatic Sites

No special aquatic sites observed or recorded by the IDNR (IDNR Letter enclosed)

4. Practical Alternatives

Alternative 1: Total avoidance of all wetlands requiring no action.

This alternative is determined not to be practical due to requirements and limitations listed above, which make it necessary to balance out a required number of housing units to provide the necessary tax base required to accommodate the essential municipal services of fire, police, roads, parks, other public works, etc.

Alternative 2: Locate another property.

This alternative is also not feasible, as this location is in a prime area for residential housing due to the presence of sanitary sewers, city water, and other necessary utilities.

Alternative 3: Full development of the site.

The engineering and environmental land development team understood from the beginning the need to minimize wetland and stream impacts. Therefore, full development of the site was never considered as a possibility.

Alternative 4: Submitted minimized development plan

The submitted plan, given the circumstances mentioned above, was felt to be the only feasible alternative. It is important to recognize that within this 160 +/- acre parcel, large areas are being set aside as natural areas with trails and green space including a new 28-acre park. The majority of the wetland and stream impacts are located in the ephemeral channels and low quality emergent wetlands of predominantly non-native cattail colonies in the north half of the site.





GRAPHIC SCALE (IN FEET) 1" = 150 FT



From:	Ron Dixon
То:	Robinson, William
Cc:	Eric W Batt; Greg Kleis; John Dixon; Keith Gilson; Mark Allan Bridwell; Matt Buck; scott.a.matthews
Subject:	Re: Parks at Decatur; LRL-2021-707
Date:	Wednesday, March 1, 2023 3:32:07 PM
Attachments:	Parks at Decatur Alternative Analysis (1).pdf
	94720DRH-WETLANDS-PARK AREA.pdf
	Parks at Decatur Engineering Exhibits 1.pdf

**** This is an EXTERNAL email. Exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email. ****

Good morning Will,

Per your request, I am responding to your concern regarding a public notice commenter asking about the necessity of impacting wetlands and stream channels at the new D.R. Horton Parks at Decatur residential housing development and park. I am attaching an Alternative Analysis, a Park Property Exhibit, and an Engineering Exhibit that shows the majority of the wetland and stream impacts are in the north half of the site where the lower quality wetlands and ephemeral channels are located. Most of these wetlands in the north half of the site parallel an old overgrown agricultural waterway and tile system and contain colonies of invasive nonnative cattail growth. The ephemeral channels there are forming from a breakdown of old clay agricultural subsurface tile drains that have not been maintained for many years.

D.R. Horton Land Acquisition Managers and Stoeppelwerth & Associates Engineering & Land Surveying, realized the Parks at Decatur site would certainly be a challenge given the topography and multiple stream channel corridors. This was not a typical row crop field. Given that understanding, the decision was made to minimize environmental impacts and avoid the higher quality forested wetlands and the primary intermittent stream channel located on the south half of the property. From that decision, came the emergence of a new 28 acre Park, hence the name "Parks at Decatur". Very few land developers would be willing to sacrifice that much (28 acres) of their land to do that, but becasue they did, it became necessary to impact some of the lower quailty wetland and ephemeral channels on the north half of the property. In order for the development to be financially feasible, there needs to be a given number of housing units to support the required infrastructure. From the beginning, the land development team felt this would be one of our best sites that clearly followed the agency recommendations of avoidance and/or minimization of sensitive waters and related natural resources. At a time when both new homes and parks are very much in demand, we felt this would be a win-win for all involved, including the environment. However, and unfortunately, this project has not been a "Walk in the Park". However, once fully developed, I am confident that Parks at Decatur will stand out as a good example for meeting the demands for both new housing and natural greenspace areas in the Indianapolis Metro Area.

Please contact me if I can be of further assistance.

Thank you.

Ron Dixon Natural Resource Consulting Indianapolis Office: (317) 862-7446 Mobile/Field OfficeTrailer: (317) 902-3300 On Tue, Feb 28, 2023 at 11:41 AM Ron Dixon <<u>naturalresourceconsulting@gmail.com</u>> wrote:

Hello Will,

I will prepare a response to your request and send to you soon.

Ron

On Tue, Feb 28, 2023 at 11:12 AM Robinson, William <<u>WRobinso@idem.in.gov</u>> wrote:

Hey Ron,

I had a public commenter ask for more information about your avoidance and minimization of impacts to the wetlands on site. Could you provide me with a more detailed record of why all of the impacts in this project were necessary for the purposes of the project? Is it possible to avoid any of the wetlands, and if so why isn't that occurring? Looking forward to hearing back from you, thanks!

From: Ron Dixon <<u>naturalresourceconsulting@gmail.com</u>> Sent: Friday, February 17, 2023 12:38 PM To: Matthews, Scott A CIV USARMY CELRL (USA) <<u>Scott.A.Matthews@usace.army.mil</u>> Cc: Amy Romig <<u>aromig@psrb.com</u>>; John Dixon <<u>john@ronldixon.com</u>>; Mark Allan Bridwell <<u>MABridwell@drhorton.com</u>>; Matt Buck <<u>matt@ronldixon.com</u>>; Robinson, William <<u>WRobinso@idem.IN.gov</u>> Subject: Re: Parks at Decatur; LRL-2021-707

**** This is an EXTERNAL email. Exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email. ****

Thank you for the update Scott. Would it be possible to get a copy of the letter from the EPA and the name of the EPA Project Manager so that we have a contact should we need to forward any information to the EPA?

Thank you.

Ron

On Fri, Feb 17, 2023 at 12:30 PM Matthews, Scott A CIV USARMY CELRL (USA) <<u>Scott.A.Matthews@usace.army.mil</u>> wrote:

Good afternoon.

This email is to inform you that the Corps has received a letter from the EPA requestion the Corps provide them with a copy of the file so that they may review the project. Per the regulations, the Corps will provide a the requested information to the EPA and provide assistance while they complete their review. The Corps will also pause all reviews of the project until the EPA and completed their work and returned the project to the Corps for continued work.

Please feel free to contact me if you have any questions.

Thank you

Scott

Scott A. Matthews

Regulatory Specialist

Mitigation, Compliance & Enforcement Branch

Indianapolis Regulatory Office

Louisville District

Phone: 317-543-9424 X2

Mobile: 463-230-1022

http://www.lrl.usace.army.mil

Please comment on our service. Our National Customer Service Survey is located at https://regulatory.ops.usace.army.mil/customer-service-survey/



APPLICATION FOR AUTHORIZATION TO DISCHARGE DREDGED OR FILL MATERIAL TO ISOLATED WETLANDS AND/OR WATERS OF THE STATE State Form 51821 (R2 / 11-15)

01446 1 0111 0 1021 (127 11-107

Indiana Department of Environmental Management

INSTRUCTIONS: 1. Read the instruction sheet before filling out this form.

2. You must complete all applicable sections of this form

1.	Applicant Information	2. Agent Information		
Name of Applicant Mark Allan Bridw	vell	Name of Agent Ron Dixon		
Mailing address (Street/ 9210 N. Meridian Str Indianapolis, Indiana	/ PO Box/ Rural Route, City, State, ZIP Code) reet ± 46220	Mailing address (Street/ PO Box/ Rural Route, City, State, ZIP Code) Natural Resource Consulting 7719 Knapp Road Indianapolis, Indiana 46259		
Daytime Telephone Nun (317) 754-6957	nber	Daytime Telephone Number (317) 862-7446		
Fax Number		Fax Number		
E-mail address (optional mabridwell@drh	n) orton.com	E-mail address (optional) naturalresourceconsulting@gmail.com		
Contact person (require Mark Allan Bridw	^{d)} /ell	Contact person Ron Dixon		
	3. Project	/ Tract Location		
County Marion	0. 110,000	Nearest city or town Indianapolis		
U.S.G.S. Quadrangle n Camby, Indiana	nap name (<i>Topographic map</i>)	Project street address (if applicable)		
Quarter SE	Section 22	Township 14 N. Range 2 E.		
Type of aquatic resourd Wetlands, Ephemera	e(s) to be impacted (Attach Worksheet One.) al & Intermittent Channels	Project name or title <i>(if applicable)</i> Parks at Decatur		
Other location description Site is located west of Has any construction be	ons or driving directions of Paddock Road between Ralston Road to 4. Project Purpose and Descripti ten started? I Yes ☐ No	the North and County Line Road to the South. on (Use additional sheet(s) if required.) Anticipated start date (month, day, year) April 15, 2022		
First Phase under	er construction at south end of site.	Some unapproved impacts occurred being addressed		
Purpose of project and o This will be a single basins, sanitary sew	overview of activities family residential subdivision with typical infi ers, utilities, green space, a new 28 acre cit	astructure (streets, house pads, storm water drains and detention y park. etc.)		

		5. Avoidance, Minimization, and Mitigation Information: Applicants must answer all of the following questions (Use additional sheet(s) if necessary - provide a detailed response to all applicable questions.)
Α.	For 1.	projects with Class II isolated wetlands – Is there a reasonable alternative to the proposed activity?
	2.	Is the proposed activity reasonably necessary or appropriate?
в.	For 1.	projects with Class III wetlands, adjacent wetlands, and/or streams, rivers, lakes or other water bodies – Is there a practicable alternative to the proposed activity?
	2.	Have practicable and appropriate steps to minimize impacts to water resources been taken?
Ч		
2		
4		6. Drawing / Plan Requirements (Applicants must provide the following.)
A. b. c. d. ar	Top Cros Nort Incle	6. Drawing / Plan Requirements (Applicants must provide the following.) aerial/overhead views of the project site showing existing conditions and proposed construction. as sectional view of areas of fill or alterations to streams and other waters. arrow, scale, property boundaries. de wetland delineation boundary (<i>if applicable</i>). Label all wetlands (jurisdictional, isolated and exempt) as I-1, I-2, I-3, etc. and the mitigation
a. b. c. d. ar e.	Top Cros Nort Incle eas a Loc	6. Drawing / Plan Requirements (Applicants must provide the following.) beerial/overhead views of the project site showing existing conditions and proposed construction. as sectional view of areas of fill or alterations to streams and other waters. arrow, scale, property boundaries. de wetland delineation boundary (if applicable). Label all wetlands (jurisdictional, isolated and exempt) as I-1, I-2, I-3, etc. and the mitigation is M-1, M-2, etc. ion of all surface waters, including wetlands, erosion control measures, existing and proposed structures, fill and excavation locations, area for excavated material, including quantities, and wetland mitigation site (if applicable).
a. b. c. d. ar e. dis	Top Cros Nord Inclue Loc Approved	6. Drawing / Plan Requirements (Applicants must provide the following.) aerial/overhead views of the project site showing existing conditions and proposed construction. a sectional view of areas of fill or alterations to streams and other waters. arrow, scale, property boundaries. de wetland delineation boundary (<i>if applicable</i>). Label all wetlands (jurisdictional, isolated and exempt) as I-1, I-2, I-3, etc. and the mitigation is of all surface waters, including wetlands, erosion control measures, existing and proposed structures, fill and excavation locations, area for excavated material, including quantities, and wetland mitigation site (<i>if applicable</i>).
e. d. d. d. d. f.	Top Cro: Nort Incli eas a Loc sposa Appr	 6. Drawing / Plan Requirements (Applicants must provide the following.) berial/overhead views of the project site showing existing conditions and proposed construction. s sectional view of areas of fill or alterations to streams and other waters. arrow, scale, property boundaries. de wetland delineation boundary (<i>if applicable</i>). Label all wetlands (jurisdictional, isolated and exempt) as I-1, I-2, I-3, etc. and the mitigation is M-1, M-2, etc. tion of all surface waters, including wetlands, erosion control measures, existing and proposed structures, fill and excavation locations, area for excavated material, including quantities, and wetland mitigation site (<i>if applicable</i>). ximate water depths and bottom configurations (<i>if applicable</i>). Supplemental Application Materials (Applicants must provide the following.)
2 α. b. c. d. are. dif. α. b. c. d. e. f. o	Top Croc Nort Inclue eas a Loc Spose A we At le If iss Wet Clas Cop	6. Drawing / Plan Requirements (Applicants must provide the following.) aerial/overhead views of the project site showing existing conditions and proposed construction. s ectional view of areas of fill or alterations to streams and other waters. arrow, scale, property boundaries. de wetland delineation boundary (if applicable). Label all wetlands (jurisdictional, isolated and exempt) as I-1, I-2, I-3, etc. and the mitigation is of al surface waters, including quantities, and wetland mitigation site (if applicable). ximate water depths and bottom configurations; (if applicable). Xupplemental Applicable). T. Supplemental Application Materials (Applicants must provide the following.) test three pholographs of the project site. Indicate the pholo locations on the project plans. aterdentations of all wetlands on the rocipert. Sitication of all solated wetlands on the tract (if isolated wetlands are present onsite). as of all applicable local permits and/or resolutions pertaining to the project or tract. history (see instructions).
A. b. c. d. are diff. a. b. c. d. e. f. g.	Top Cros Nort Inclue eas a Loc sposa Appr A we If iso Vet Clas Cop Trac	6. Drawing / Plan Requirements (<i>Applicants must provide the following.</i>) aerial/overhead views of the project site showing existing conditions and proposed construction. s sectional view of areas of fill or alterations to streams and other waters. arrow, scale, property boundaries. de wetland delineation boundary (<i>if applicable</i>). Label all wetlands (jurisdictional, isolated and exempt) as I-1, I-2, I-3, etc. and the mitigation iw /1, M-2, etc. ion of all surface waters, including wetlands, erosion control measures, existing and proposed structures, fill and excavation locations, area for excavated material, including quantities, and wetland mitigation site (<i>if applicable</i>). ximate water depths and bottom configurations (<i>if applicable</i>). 7. Supplemental Application Materials (Applicants must provide the following.) liand delineation of all wetlands on the project site (<i>for projects with wetland impacts</i>). its three photographs of the project site. Indicate the photo locations on the project plans. ated wetlands are present, a letter from the Corps of Engineers verifying this statement. and mitigation of all solited wetlands on the tract (<i>if isolated wetlands are present onsite</i>). so of all applicable local permits and/or resolutions pertaining to the project or tract. history (see instructions).
a. b. c. d. are. dif. a. b. c. d. e. f. g. a. b.	Top Cross Nort Inclue Spose Appr A we At lea If isse Cop Trace Sed	6. Drawing / Plan Requirements (<i>Applicants must provide the following.</i>) berial/overhead views of the project site showing existing conditions and proposed construction. as sectional view of areas of fill or alterations to streams and other waters. arrow, scale, property boundaries. de wetland delineation boundary (<i>if applicable</i>). Label all wetlands (jurisdictional, isolated and exempt) as I-1, I-2, I-3, etc. and the mitigation i.M-1, M-2, etc. ion of all surface waters, including quantities, and wetland mitigation site (<i>if applicable</i>). ximate water depths and bottom configurations (<i>if applicable</i>). 7. Supplemental Application Materials (Applicants must provide the following.) liand delineation of all wetlands on the project site (<i>for projects with wetland impacts</i>). as there photographs of the project site. (<i>if applicable</i>). add wetlands are present, a letter from the Corps of Engineers verifying this statement. and mitigation plan and monitoring report. Sifcation of all solated wetlands on the rock of Engineers verifying this statement. and mitigation plan and monitoring report. Sifcation of all solated wetlands on the rock of Engineers verifying this statement. history (<i>see instructions</i>). 8. Additional Information that MAY be required (<i>IDEM will notify you if needed.</i>) on control and/or stom water management plans.

9.	Permitt	ina R	eauir	rements
			and the second second	

a. Does this project require the issuance of a Department of the Army Section 404 Permit from the US Army Corps of Engineers? 🗹 Yes 🗌 No

If no, you do not need to answer Part b.

b. Have you applied for an Army Corps of Engineers Section 404 permit? 🛛 Yes 🗌 No

If yes, please supply the Corps of Engineers ID Number, the Corps of Engineers District, the project manager, and a copy of any correspondence with the Corps. If no, contact the Army Corps of Engineers regarding the possible need for a permit application.

USACE ID# LRL-2021-00707-DDC

c. Have you applied for, received, or been denied a permit from the Department of Natural Resources for this project? If Yes IN No Please give the permit name, permit number, and date of application, issuance or denial.

Please see IDNR ETR Review Letter enclosed.

Please give the permit name, agency from which it was obtained, permit number, and date of issuance or denial.

Please see attached list.

10. Adjoining Property Owners and Addresses

List the names and addresses of landowners adjacent to the property on which your project is located and the names and addresses of other persons (or entities) potentially affected by your project. Use additional sheet(s) if required.

Name PLEASE SEE ATTACHE Address (number and street)	ED LIST		Name Address (number and street)		
City	State	ZIP Code	City	State	ZIP Code
Name			Name		
Address (number and street)			Address (number and street)		17 mil 16
City	State	ZIP Code	City	State	ZIP Code
Name			Name		
Address (number and street)			Address (number and street)		
City	State	ZIP Code	City	State	ZIP Code
Name			Name		
Address (number and street)			Address (number and street)		
City	State	ZIP Code	City	State	ZIP Code
Name			Name		
Address (number and street)			Address (number and street)		
City	State	ZIP Code	City	State	ZIP Code
Name			Name		
Address (number and street)			Address (number and street)		
City	State	ZIP Code	City	State	ZIP Code

11. Signature - Statement of Affirmation

I certify that I am familiar wit accurate. I certify that I have penalties for submitting false discharge to a water of the s agree to allow representative federal agencies does not re	h the information contained in this application and, to the best of n e the authority to undertake and will undertake the activities as de a information. I understand that any changes in project design sub state are not authorized and I may be subject to civil and criminal es of the IDEM to enter and inspect the project site. I understand elease me from the requirement of obtaining the authorization requ	ny knowledge and belief, such information is true and scribed in this application. I am aware that there are sequent to IDEM's granting of authorization to penalties for proceeding without proper authorization. I that the granting of other permits by local, state, or uested herein before commencing the project.
Applicant's Signature: 👱	Machielinen	Date: 1/11 /2-3 (mm/dd/yyyy)
Print Name:	Mark A. Bridwell	Title: Assilstant Senstay

	Worksh	eet – Summary of Onsit	e Water Resource	es and Projec	t Impacts	
A. Jurisdictio	onal Wetlands	(Existing Conditions)	Jurisdic	tional Wetlan	ds (Proposed Impacts)
Wetland Type	s Si	ze of wetland (acreage)	To be Impacted?	Acreage	Fill quantity (cys)	ATF
	FO PL	EASE SEE TABLE	□Yes □No			
]EM □SS [] FO		□Yes □No			
] FO		□Yes □No			
]EM []SS [] FO		□Yes □No			
IEM ISS [] FO		Yes No			
IEM ISS [] FO		□Yes □No			1
]EM [SS [] FO		□Yes □No			1.0
Describe the type ar	nd composition of f	ill material to be placed in wetla	nds on the project site:			
Describe the type an Topsoil and clay loa	nd composition and	quantity (cubic yards) of mater	ial proposed to be dree	lged or excavated	from wetlands on the project	site:
B. Isolate	d Wetlands (E:	xisting Conditions)	Isola	ted Wetlands	(Proposed Impacts)	7
Wetland Class	Туре	Size of wetland (acreage)	Impacted?	Acreage	Fill quantity (cys)	ATF
□1 □2 □3	NF F	1	Yes No			_
			□ Yes □ No			
	□NF □F		□ Yes □ No	-		
□1 □2 □3			Yes No			
□1 □2 □3			🗋 Yes 🗌 No			
□1 □2 □3	DNF DF		□ Yes □ No			
Describe the type and C. Bridges and Stream name Unnamed inte Description of impac 278 lineal feet of ch basins, etc.) Please ength of upstream l	d composition and d Stream Crossin rmittent and e ts annel are being en see attached engi bank impacts:	quantity <i>(cubic yards)</i> of material ngs - provide the following ephemeral tributaries to capsulated. 157 lineal feet are neering exhibits from Stoeppely	proposed to be dredged information for EA Quack Branch being dredged and 1,9 werth & Associates Eng	f or excavated from ACH structure 02 lineal feet filled gineering & Land Bight sig	n isolated wetlands on the proj (<i>Use additional sheet(s) if</i> d for roads, utilities, lots, storm Surveying for additional detail	ect site: required
ength of downstrea	m bank impacts:	Left side: 10		Right sid	ie: 10	
Jank protection fill p	laced below the Or	dinary High Water Mark:			e	
Bank protection fill p	laced below the Or	dinary High Water Mark:	Volume per runn	ning foot: 0.509	3	

D. Bank Stabilization - provide the following information for EACH segment (Use additional sheet(s) if required.)

Water body name Unnamed tributaries to Quack Branch

Description of impacts

Erosion control via limestone rip-rap placement (approximately 29 cubic yards) at pipe inverts and banks

Length of shoreline or bank protection

300 +/-

Volume (cubic yards) of bank protection fill placed below the Ordinary High Water Mark per running foot

0.10 +/-

Area (square feet) of bank protection fill placed below the Ordinary High Water Mark

1,200 +/-

E. Stream Relocation

Water body name Unnamed ephemeral channels

Description of impacts

There is 8,591 lineal feet of channels on this site, 2,059 lineal feet are to be impacted for purpose of stormwater basins, roads, lots. utilities, etc. 278 feet will be encapsulated, 157 feet will be dredged and 1,902 feet filled.

Length of existing channel to be relocated (linear feet)

All 2,059 feet of channel impacts + 20% temporal loss will be mitigated to the IDNR In-lieu fee Program.
Length of new channel to be constructed (linear feet)

		1 Open	L Channel	Other: TO IDINIX III-lieu I ee
ubic yards.				
	ubic yards.	ubic yards.	subic yards.	subic yards.

F. Open Water Fill	
Water body name Unnamed tribuatries to Quack Brach	
Description of impacts	
None	
Area of water body to be filled (acres) 0	
Type of fill and volume (cubic yards) None	

U.S. Army Corps of Engineers (USACE)	Form Approved -
APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT	OMB No. 0710-0003
33 CFR 325. The proponent agency is CECW-CO-R.	Expires: 02-28-2022

The public reporting burden for this collection of information, OMB Control Number 0710-0003, is estimated to average 11 hours per response, including the lime for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at <u>whs.mc-alex.esd mbx.dd-dod-information-collections@mail.mil</u>. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. PLEASE DO NOT RETURN YOUR APPLICATION TO THE ABOVE EMAIL.

PRIVACY ACT STATEMENT

Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Programs of the Corps of Engineers; Final Rule 33 CFR 320-332. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of a public notice as required by Federal law. Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued. One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and/or instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned. System of Record Notice (SORN). The information received is entered into our permit tracking database and a SORN has been completed (SORN #A1145b) and may be accessed at the following website: http://dpcid.defense.gov/Privacy/SORNsIndex/DOD-wide-SORN-Article-View/Article/570115/a1145b-ce.aspx

(ITEMS 1 THRU 4 TO BE FILLED BY THE CORPS)

1. APPLICATION NO. 2. FIELD OFF	FICE CODE	3. DA1	E RECEIVED	4. DA	TE APPLICATION COMPLET	
(ITEMS	S BELOW TO BE FILL	ED BY APPLICAN	תי			
5. APPLICANT'S NAME	8, /	AUTHORIZED AGI	ENT'S NAME A	ND TITL	E (agent is not required)	
First - Mark Middle - A Last - Brid	well First	st-Ron Middle-L Last-Dixon				
Company - D.R. Horton	Con	Company - Ron L. Dixon, Natural Resource Consulting, Inc.				
E-mail Address - mabrid well@drhorton.com	E-m	ail Address - natu	alresourcecor	sulting	@gmail.com	
6. APPLICANT'S ADDRESS: Address- 9210 North Meridian Street	Q. A Add	9. AGENT'S ADDRESS: Address- 7719 Knapp Road				
City - Indianapolis State - IN 24p - 40220 C	Jounity -03 City	· Inutanapons	NOs WAREA	CODE	Zip - 40237 Guinty CO	
a. Residence b. Business c. Fax	a. F	Residence	b. Busines	s -7446	c. Fax	
(317) 754-6957 11. I hereby authorize, <u>Ron L. Dixon</u> to ac supplemental information in support of this permit applicati	STATEMENT OF AUTI It in my behalf as my ag ion.	HORIZATION jent in the process	ing of this applic	cation an	nd lo furnish, upon request,	
(317) 754-6957 11. I hereby authorize, <u>Ron L Dixon</u> to ac supplemental information in support of this permit applicati <u>Madda</u> SIGNATI	STATEMENT OF AUTI at in my behalf as my ag ion.	HORIZATION gent in the process	ing of this applic $\frac{1/23}{ATE}$	cation an	nd to furnish, upon request,	
(317) 754-6957 11. I hereby authorize, <u>Ron L. Dixon</u> to ac supplemental information in support of this permit applicati <u>MacDa</u> SIGNATI	STATEMENT OF AUTi at in my behalf as my ag ion. URE OF APPLICANT IN, AND DESCRIPTION	HORIZATION gent in the process	ing of this applic 1/23 ATE R ACTIVITY	cation an	nd to furnish, upon request,	
(317) 754-6957 11. I hereby authorize, <u>Ron L Dixon</u> to ac supplemental information in support of this permit applicati <u>Max Disconsectors</u> SIGNATI NAME, LOCATIO 12. PROJECT NAME OR TITLE (see instructions) Parks at Decatur	STATEMENT OF AUT t in my behalf as my ag ion. URE OF APPLICANT IN, AND DESCRIPTION	HORIZATION gent in the process	ing of this applic 1/23 ATE R ACTIVITY	cation an	nd to furnish, upon request,	
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(317) 754-6957 11. I hereby authorize, <u>Ron L Dixon</u> to ac supplemental information in support of this permit applicati <u>Madebase</u> SIGNATI NAME, LOCATIO 12. PROJECT NAME OR TITLE (see instructions) Parks at Decatur 13. NAME OF WATERBODY, IF KNOWN (if applicable) Unnamed Empeherals draining to Quack Branch 15. LOCATION OF PROJECT Latitude: -N 39,6334 Longitude: -W -86.29	STATEMENT OF AUT ct in my behalf as my ag ion. URE OF APPLICANT IN, AND DESCRIPTION 14. Add 19. City	HORIZATION gent in the process	Ing of this applic ATE R ACTIVITY T ADDRESS (if	applicat	nd to furnish, upon request, ble) Zip-	
(317) 754-6957 11. I hereby authorize, <u>Ron L Dixon</u> to ac supplemental information in support of this permit applicati MAME, LOCATIO 12. PROJECT NAME OR TITLE (see instructions) Parks at Decatur 13. NAME OF WATERBODY, IF KNOWN (if applicable) Unnamed Empeherals draining to Quack Branch 15. LOCATION OF PROJECT Latitude: -N 39.6334 Longitude: -W -86.29 16. OTHER LOCATION DESCRIPTIONS, IF KNOWN (see ins	STATEMENT OF AUT ct in my behalf as my ag ion. URE OF APPLICANT URE OF APPLICANT IN, AND DESCRIPTION 14. Add 19 structions)	HORIZATION Jent in the process	T ADDRESS (if	applicat	nd to furnish, upon request, ble) Zip-	
(317) 754-6957 11. I hereby authorize, <u>Ron L Dixon</u> to ac supplemental information in support of this permit applicati <u>Multiple SiGNATH</u> NAME, LOCATIO 12. PROJECT NAME OR TITLE (see instructions) Parks at Decatur 13. NAME OF WATERBODY, IF KNOWN (if applicable) Unnamed Empeherals draining to Quack Branch 15. LOCATION OF PROJECT Latitude: «N 39,6334 Longitude: «W -86.29 16. OTHER LOCATION DESCRIPTIONS, IF KNOWN (see ins State Tax Parcel ID M	STATEMENT OF AUT ct in my behalf as my ag ion. URE OF APPLICANT IN, AND DESCRIPTION 14. 14. 14. 14. 14. 14. 14. 14.	HORIZATION Jent in the process	Ing of this applic ATE R ACTIVITY T ADDRESS (if	applicat	nd to furnish, upon request, ble) Zip-	

17. DIRECTIONS TO THE SITE

Site is located West of Paddock Road between Ralston Road to the North and County Line Road to the South.

18. Nature of Activity (Description of project, include all features)

This will involve necessary road, utility installations, stormwater features, house pads, green space including a new 28 acre park. Some unavoidable impacts to non-forested wetlands and small channels are necessary to adequately construct this project.

19. Project Purpose (Describe the reason or purpose of the project, see instructions)

This is a single family residential subdivision on a 160+/- acre farm. Typical infrastructure will be necessary. The project also involves the creation of a new 28 park by preserving a large wooded intermittent stream corridor and adjoining upland.

USE BLOCKS 20-23 IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED

20. Reason(s) for Discharge

Unavoidable impacts to 2.70 acres of emergent wetlands and 2,059 lineal feet of channel are necessary for road crossings, utilities, stormwater basins and for an adequate number of houses to support the needs of the infrastructure and township support services (fire, police, etc.).

21. Type(s) of Material Being Discharged and the Amount of Each Type in Cubic Yards:

Type Amount in Cubic Yards

or

Type Amount in Cubic Yards Type Amount in Cubic Yards

Clay loam 14,000 +/- cys wetland & channel

22. Surface Area in Acres of Wetlands or Other Waters Filled (see instructions)

Acres 2.70 acres of emergent wetland

Linear Feet 2,059 lineal feet of channel

23. Description of Avoidance, Minimization, and Compensation (see instructions)

2.6 acres of non-forested wetland and 6,532 lineal feet of channel are being avoided. The highest quality riparian forested corridor on the site is being avoided and designated as a new 28 acre city park. Mitigation is proposed to go to the IDNR In-lieu fee Program. Please see attached exhibits showing more specific mitigation ratios, acreages, and cost.

25. Addresses of Adjoining	Property Owners, Lesser	es. Elc., Whose Property Ad	ioins the Waterbody (if mo	re than can be entered here, please at	tach a supplemental list)
a Address- PLEASE SE	E ATTACHED				and a second second
City -		State -		Zip -	
b. Address-					
Cily -		Slate -		Zip -	
c. Address-					
City -		State -		Zip -	
d Address.					
d. Address-					
City -		State -		Zip-	
e, Address-					
City -		State -		Zip -	
25. List of Other Certificate	s or Approvals/Denials rec	eived from other Federal, S	tate, or Local Agencies fo	or Work Described in This Ap	plication.
AGENCY	TYPE APPROVAL*	NUMBER	DATE APPLIED	DATE APPROVED	DATE DENIED
			10		
* Would include but is not re 27. Application is hereby m	estricted to zoning, building ade for permit or permits t	g, and flood plain permits o authorize the work describ	ped in this application. I d	certify that this information in	this application is
complete and accurate. I fu	other certify that I possess	the authority to undertake t	he work described herein	n or am acting as the duly au	horized agent of the
Marc	BALLI	1/11/23	Konz.	Defon IDE DE AGENT	1/11/23
The Application must be authorized agent if the st	signed by the person w atement in block 11 has	who desires to undertake to been filled out and sign	the proposed activity (ed.	applicant) or it may be sig	ned by a duly
18 U.S.C. Section 1001	provides that: Whoever,	, in any manner within the	e jurisdiction of any de	partment or agency of the	United States
knowingly and willfully fa	isilies, conceals, or cov	ers up any trick, scheme,	, or disguises a materi	al fact of makes any false	, nonnous or traudu

64-42FC Fields Real Property LLC 13721 N Paddock Rd Camby, IN 46113

64-42FC Georgia M Poliskie 44 Sea Island Dr Newport Beack, CA 92660

64-42FC Dalton R George Jr 8735 Paddock Rd Camby, IN 46113

64-42FC William Ray & Rosemarie Trimmell 8621 Paddock Rd Camby, IN 46113

64-42FC Crow Wing Farms LLC 20421 County Road 223 Union Star, MO 64494

64-42FC The Enclave at Heartland LLC 6330 E 75th St, Suite 156 Indianapolis, IN 46240 64-42FC Jennifer M Finnegan 8955 Paddock Rd Camby, IN 46113

64-42FC Christine & Michael Dunkle 8825 Paddock Rd Camby, IN 46113

64-42FC Kellie Stocking 8705 Paddock Rd Camby, IN 46113

64-42FC Brett Teike 8545 Paddock Rd Camby, IN 46113

64-42FC Wanda C Allender 7802 W County Line Rd Camby, IN 46113

64-42FC Heartland Crossing Foundation Inc 8914 Belle Union Dr Camby, IN 46113 64-42FC Brad & Alyx E Ricke 8900 Paddock Rd Camby, IN 46113

64-42FC Euel B & Joyce L Wilmoth 8809 Paddock Rd Camby, IN 46113

64-42FC Charles L & Kathy S Christoph 8641 Paddock Rd Camby, IN 46113

64-42FC Dennis C & Bonnie Ison 7219 W Ralston Rd Indianapolis, IN 46221

64-42FC Timbercreek Investments LLC 3701 W Smokey Row Rd Bargersville, IN 46106

64-42FC Cedar Run Limited Inc P.O. Box 900 Plainfield, IN 46168

CITY OF INDIANAPOLIS DEPARTMENT OF BUSINESS & NEIGHBORHOOD SERVICES STORMWATER DRAINAGE PERMIT

1200 MADISON AVE. STE 100, INDIANAPOLIS, IN 46225

PHONE: (317) 327-8700

www.indy.gov

	DDN24 02244		www.inuy.gov			la a ca a du	05/44/2022
Permit No.:	DRN21-03344					issued:	05/11/2022
Location:	7610 W COUNTY I	INE RD	and the second se			Expired:	5/11/2023
Contractor		IN	D Ow Dr I 922	ner Horton - Indian I0 N. Meridian S ianapolis, IN 46	a Llc. St. 260		
Design Firm		A Part	Ap	plicant 🧹			
Keith Gilson			Kei	th Gilson			
Stoeppelwert	n & Associates, Inc.		Sto	eppelwerth & A	ssociates,	Inc.	
7965 East 10	6th Street		796	5 East 106th St	treet		
Fishers, IN 46	6038		Fish	ners. IN 46038		\sim	
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Project	■ Parks at Decatu	r Section-I		Sy FLOI Disturb Proposed Sa Et	of Imperv		2221510.44
Permit Type:	LAND OR WAT	ERCOURSE ALTERA	TION	Rule 5 Permit F	Required:		Yes
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				Main Material	Sowerla	noth Dian	neter
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Regular Drair	age Review - Hour	ly \$1,391.50					
Total Due:		\$1,937.5	- • • • • • • • • • •	11	$\mathbf{\lambda}$		
Balance:		\$0.00	NT A	N			
CONDITION	(S):		$\mathcal{N}\mathcal{P}$	11			
1. TO REQUE	EST AN INSPECTION	ON, CALL (317) 327-5	525.				

HTTP://WWW.INDY.GOV/PERMITS

2. All applicable erosion control measures must be installed prior to any land disturbance activities taking place and must be maintained until all disturbed areas have been adequately stabilized.

3. Contractor is required to schedule and attend a pre-construction meeting prior to beginning any land alteration activities



PARTNERS. EVERY STEP OF THE WAY.

MEMORANDUM

To:	Greg Bruzas & Tess Cutshaw, Tri County Conservancy District (TCCD)
From:	Amy R. Moore, PE
Date:	March 28, 2022
Re:	Parks @ Decatur, Section 1 Development Review
CC:	Keith Gilson, Project Manager – Stoeppelwerth & Associates, Inc.

Revised plans for the Parks at Decatur, Section 1 were received on March 2, 2022. D.R. Horton – Indiana, LLC is proposing a new residential subdivision north of County Line Road and West of Paddock Road. Approximately 62 acres is proposed to be developed for Section One, including 83 residential lots, and an existing facility to be used for a future Parks location. A sanitary sewer collection system including gravity sewers, a submersible lift station and force main are planned to discharge to and be dedicated to the Tri County Conservancy District sanitary sewer system.

The plans propose to construct ,1299 linear feet of 8" PVC SDR-35 sewer and 3916 linear feet of 8" PVC SDR-26 sewer to serve Section One. In addition, the Lift Station and 4259 linear feet of 8" PVC ASTM D2241 SDR 21 force main is to be installed using open cut methods and 3378 linear feet of HDPE AWWA C906 DR 11 force main to be installed via direction drilling will convey flows from the lift station to the current Tri County Conservancy District sanitary sewer system at a manhole located just east of Heartland Boulevard on the south side of County Line Road.

Review:

Our review of the documents submitted resulted in the following comments:

- 1. Buoyancy calculations were provided indicating that with planned base extensions, structures have adequate safety factor against floatation.
- 2. A revised IDEM Application was submitted with corrections requested. Plans were modified to match the pipe lengths noted. We recommend that the TCCD issue the attached Capacity Allocation Letter for the Developer's submittal to IDEM with their permit application.
- 3. Other plan modifications requested in our previous review have been completed including granular backfill, outside drop manhole at force main discharge, elimination of drop at wet well, air release valve setting and structure and pump motor requirements.

We recommend that the TCCD release the development for construction upon receipt of required fees and documents. If you have any questions about the above, please contact me at <u>amoore@vsengineering.com</u> or 317-293-3542 ext 118.

CAPACITY CERTIFICATION

This form must be filled-out in its entirety with no alterations.

Name of Applicant: DR Hort	on - Indiana LLC	
Name of Applicant Repres	entative: Mark Bridwell	
Name of Project:	Parks at Decatur, Section 1	

С	ER	TI	FIC	; A1	N	

I,		, representing the	Tri-County Conservan	cy District	, in my capacity as
	(Name of individual)		(Name of municipality	or utility)	
		have the authority to act on behalf of the		Tri-Cour	nty Conservancy District
	(Title)			(Name	of municipality or utility)

certify that I have reviewed and understand the requirements of 327 IAC 3 and that the sanitary collection system proposed, with the submission of this application, plans and specifications, meets all requirements of 327 IAC 3. I certify that the daily flow generated in the area that will be collected by the project system will not cause overflowing or bypassing in the collection system other than NPDES authorized discharge points and that there is sufficient capacity in the receiving water pollution treatment/control facility to treat the additional daily flow and remain in compliance with applicable NPDES permit effluent limitations. I certify that the proposed average flow will not result in hydraulic or organic overload. I certify that the proposed collection system does not include new combined sewers or a combined sewer extension to existing combined sewers. I certify that the ability for this collection system to comply with 327 IAC 3 is not contingent on water pollution/control facility construction that has not been completed and put into operation. I certify that the project meets all local rules or laws, regulations and ordinances. The information submitted is true, accurate, and complete, to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Average Design Flow (gallons per day)		26,040				
Peak Design Flow (gallons per day)		104,160				
Owner of Receiving Collection System		Tri County Conservency District				
Name of Wastewater Treatment Plant		Citizens Energy Group - Southport Plant				
Mailing Address of Certifying Representa (number and street, city, state, and ZIP code)	ative	E-mail Address of Certifying Representative				
I am certifying for the I Collection Sy	Treatment Facility					
Signature		Date Signed (<i>month / day / year</i>) / /				

(Please refer to IC 13-30-10 for penalties of submission of false information.)

May 6, 2022



Mr. Michael B. Leavitt, PE Ms. Julie Petree DLZ INDIANA, LLC. 36 S. Pennsylvania St., Ste. 360 Indianapolis IN. 46204

Re: Notice to Proceed

Parks at Decatur, Section-I 7610 County Line Rd. DRN21-03344 STC21-00057

Dear Michael B. Leavitt, Ms. Petree;

This letter shall serve as the NOTICE TO PROCEED for inspection services of the Parks at Decatur Section 1 subdivision, 7610 County Line Rd., development project for the drainage improvements and street construction portions of the project. Please provide inspection services for existing and new stormwater structures and street construction activates at this site. The pre-construction meeting was (will be) held virtually on May 6, 2022 at 2:00pm EST. If you have any questions, please contact me at (317) 327 3667.

Sincerely,

Charles D. Applewhite Project Compliance Analyst City of Indianapolis Department of Business & Neighborhood Services

Department of Business & Neighborhood Services 1200 Madison Ave., Ste. 100 | Indianapolis, IN 46225 | Phone: (317) 327-8700 | www.indy.gov/bns Fax Numbers: Building - 327-8475 | Business Licensing - 327-0817 | Contractor Licensing - 327-8401 Crafts - 327-5397 | Infrastructure/Right of Way - 327-3125 | Permits - 327-5174 | Zoning - 327-8696
Appendix 1 - REQUEST FOR CORPS JURISDICTIONAL DETERMINATION (JD)

To: District Name Here

•	I am requesting a JD on property located at: NA
	(Street Address)
	City/Township/Parish: Decatur County: Marion State: N
	Acreage of Parcel/Review Area for JD: 90
	Section: <u>22</u> Township: <u>14N</u> Range: <u>2E</u>
	Latitude (decimal degrees): <u>39.6334°N</u> Longitude (decimal degrees): <u>-86.2919°W</u>
	(For linear projects, please include the center point of the proposed alignment.)
•	Please attach a survey/plat map and vicinity map identifying location and review area for the JD.
•	I currently own this property.
	I am an agent/consultant acting on behalf of the requestor.
	Other (please explain):
•	Reason for request: (check as many as applicable)
	I intend to construct/develop a project or perform activities on this parcel which would be designed to
	avoid all aquatic resources.
	I intend to construct/develop a project or perform activities on this parcel which would be designed to
	avoid all jurisdictional aquatic resources under Corps authority.
	I intend to construct/develop a project or perform activities on this parcel which may require
	authorization from the Corps, and the JD would be used to avoid and minimize impacts to jurisdictional
	aquatic resources and as an initial step in a future permitting process.
	I intend to construct/develop a project or perform activities on this parcel which may require authorization from
	the Corps; this request is accompanied by my permit application and the JD is to be used in the permitting process.
	I intend to construct/develop a project or perform activities in a navigable water of the U.S. which is
	included on the district Section 10 list and/or is subject to the ebb and flow of the tide.
	A Corps JD is required in order to obtain my local/state authorization.
	I intend to contest jurisdiction over a particular aquatic resource and request the Corps confirm that
	jurisdiction does/does not exist over the aquatic resource on the parcel.
	L I believe that the site may be comprised entirely of dry land.
	Other:
•	Type of determination being requested:
	I am requesting an approved JD.
	I am requesting a preliminary JD.
	I am requesting a "no permit required" letter as I believe my proposed activity is not regulated.
	[]I am unclear as to which JD I would like to request and require additional information to inform my decision.
Bv	signing below, you are indicating that you have the authority, or are acting as the duly authorized agent of a

By signing below, you are indicating that you have the authority, or are acting as the duly authorized agent of a person or entity with such authority, to and do hereby grant Corps personnel right of entry to legally access the site if needed to perform the JD. Your signature shall be an affirmation that you possess the requisite property rights to request a JD on the subject property.

*Signature: John Dixon	Digitally signed by John Dixon Date: 2022.08.03 14:14:36-04/00'	Date: <u>8/3/2022</u>	
• Typed or printed name:	John Dixon		
Company name:	Ron L. Dixon, Natural Resource Consulting, Inc.		
Address:	7719 Knapp Road		
	Indianapolis, Indiana 46259		
Daytime phone no.:	(317) 862-7446		
Email address:	john@ronldixon.com		_

*Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Program of the U.S. Army Corps of Engineers; Final Rule for 33 CFR Parts 320-332.

Principal Purpose: The information that you provide will be used in evaluating your request to determine whether there are any aquatic resources within the project
area subject to federal jurisdiction under the regulatory authorities referenced above.

Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public, and may be made available as part of a public notice as required by federal law. Your name and property location where federal jurisdiction is to be determined will be included in the approved jurisdictional determination (AJD), which will be made available to the public on the District's website and on the Headquarters USACE website. Disclosure: Submission of requested information is voluntary; however, if information is not provided, the request for an AJD cannot be evaluated nor can an AJD be issued.

Request for CWA Section 401 Certification – 'Parks at Decatur'

- 1. D.R. Horton, Mark Bridwell, (Ron Dixon, Agent)
- 2. 'Parks at Decatur' residential subdivision in Indianapolis, Indiana
- 3. CWA Section 404, CWA Section 401 WQC

4. There are 8,591 lineal feet of Intermittent and ephemeral channels flowing from west to east along the central and northern portions of the property. 1,900 lineal feet (LF) of these channels are proposed to be filled, of which 278 LF of that is encapsulated and an additional 157LF dredged for the construction of housing pads, road crossings, utilities, and stormwater basins. All but 159 LF are ephemeral channel impacts. Typical land grading activities for the creation of housing pads and infrastructure will occur throughout the site. The channels flow under Paddock Road to Quack Branch east of the site.

5. Best practices for erosion control will be implemented (i.e., silt fences, rock chutes, etc.).

6. CWA Section 401 WQC (Indiana Department of Environmental Management)

7. A Pre-File request was previously submitted in December of 2021 as was two other permit applications in 1/2022 and 7/2022.

8. The project proponent hereby certifies that all information contained herein is true, accurate and complete to the best of my knowledge and belief.

9. The project proponent hereby requests that the certifying authority review and take action on this CWA 401 certification request within the applicable reasonable period of time.



Date: 07/27/2022

To: Ms. Eva Boyd, Wetlands Project Manager IDEM Office of Water Quality 100 N. Senate Avenue, Rm. 1255 Indianapolis, Indiana 46204

Re: Signed statement per IAC 327 17-4-3-(9)

Dear Ms. Boyd:

I certify under penalty of law that this document and all attachments were prepared under my direct or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Nachalm

Mark Allan Bridwell Division Vice President, Land Development D.R. Horton

AMERICA'S #1 HOMEBUILDER SINCE 2002 9210 N. Meridian Street • Indianapolis, Indiana 46260 • O 317.740.3900 • drhorton.com



Figure 7. Approximate wetland and bed and bank channel locations – north tract.



Figure 6. Approximate wetland and bed and bank channel locations – south tract.

Parks at Decatur Wetland Table Revised

Wetland	Size (acres +/-)	Туре	Impacted	ATF	Proposed Acreage Impacted (acres +/-)	Fill Quantity (cys +/-)
А	0.68	PEM	Yes	Yes	0.68 (0.15 ATF)	951.87
В	0.17	PSS	Yes	Yes	(0.02 ATF)	10
С	0.11	PSS	No	No	0.00	0.00
D	0.04	PEM	Yes	Yes	(0.01 ATF)	6
E	0.30	PSS	No	No	0.00	0.00
F	0.98	PSS	Yes	No	0.85	4,114.00
G	0.52	PEM	Yes	No	0.59	2,516.80
Н	0.03	PEM	Yes	No	0.03	145.20
I	0.33	PSS	Yes	Yes	(0.09 ATF)	193.60
J	2.00	PEM	Yes	No	0.67	3,242.80
К	0.14	PEM	No	No	0.00	0.00

January, 2023

Total Wetlands: 5.30 acres (3.41 acres PEM, 1.89 acres PSS)

Total Wetlands Impacted: 2.70 acres (1.81 acres PEM, 0.89 acres PSS)

Total Fill Quantity (cys): <u>11,131.87 cys</u>

Total Wetlands Avoided: 2.60 acres (1.60 acres PEM, 1.00 acres PSS)

Note: 0.15 +/- acres of Wetland A are being mitigated after- the- fact to IDNR along with the 0.53 remaining acreage of Wetland A.

Minor impacts to Wetlands B, D, and I, along with the farm machinery crossing, and the 500 sq/ft sewer connection near lift station at Paddock Road are all being restored after-the-fact once permits have been issued.

Parks at Decatur Stream Table Revised

Channel Unit	Flow Regime	Length (LF)	Proposed Impacted (LF)	Proposed Encapsulated (LF)	Proposed Fill (LF)
1	Intermittent	3,749	159	147	12
2	Ephemeral	206	0	0	0
3	Ephemeral	486	0	0	0
4	Ephemeral	423	(341 ATF)	0	341
5	Ephemeral	1,529	479	131	348
6	Ephemeral	119	0	0	0
7	Ephemeral	2,376	1,080	0	1,080

January. 2023

Total Stream Length (Lineal Feet): <u>8,591</u>, (<u>3,749 Intermittent</u>, <u>4,842 Ephemeral</u>)

Total Stream Impacts (Lineal Feet): 2,059

Total Encapsulation (Lineal Feet): 278

Total Fill (Lineal Feet): 1,781

Note: 341 lineal feet of Channel Unit 4 are proposed to be mitigated after-the-fact.

Parks at Decatur

Unapproved Work Within Regulated Waters

Temporary Impacts to be Restored:

Wetland B: Approximately 1,000 square feet (0.02 ac +/-) of topsoil placement into emergent wetland related to rough-in of park nature trail.

Wetland C (Borderline Impact): Approximately 300 sq/ft of disturbance of borderline emergent wetland for purpose of installing footbridge pilings.

Wetland D: Approximately 600 square feet (0.01 ac. +/-) of topsoil placement into emergent wetland related to rough-in of park nature trail.

Stream Unit #1: Approximately 500 square feet (0.01 ac. +/-) of channel disturbance for connecting a sanitary sewer line to the property.

Farm Machinery Crossing: Approximately 800 square feet (0.02 ac. +/-) of cut and fill for purpose of widening channel crossing for accommodating extra width of excavating machinery to access north half of property.

Permanent Impacts to Be Mitigated:

Wetland A: Fill placed within 0.15 acres of a 0.68 acre emergent wetland for purpose of installing sanitary and storm water sewer lines along edge of new street. To be mitigated after-the-fact to the IDNR IN-lieu fee program.

Stream Unit #4: 341 lineal feet of a 423 foot ephemeral channel accidently filled too early for purpose of a cul-de-sac street and house pads. To be mitigated after-the-fact to the IDNR In-lieu fee program.

Parks at Decatur

Proposed Restoration

Wetlands B & D:

Remove the soil that was pushed into the edge of the wetland into a non-wetland area. Restore natural grade and then broadcast Spence Nursery Forested Wetland Seed Mixture and straw mulch.

Borderline/Foot Bridge Wetland C:

Finish grade and broadcast Spence Nursery Forested Wetland Seed Mixture and straw mulch after foot bridge construction is completed.

Farm Machinery Crossing:

Retain existing rock erosion control check dam in place until crossing is no longer needed. Then, remove rock check dam and restore natural grade of channel removing any accumulated sediment to an upland area. Regrade the slopes on all sides and seed with Spence Nursery Forested Wetland Seed Mixture and straw mulch. The existing pool at the crossing can be left as an in-stream aquatic pool and wildlife watering hole.

Wetland I:

Finish grade and broadcast Spence Nursery Wet Mesic Prairie Seed mixture and straw mulch.

Sewer Crossing Stream Unit #1:

Finish Grade and broadcast Spence Nursery Forested Wetland Seed Mixture and straw mulch in and along channel.

Forested Wetland Seed Mix

Grasses and Sedges

PLS oz/acre

- 2 Carex frankii (Frank's Sedge)
- 1 Carex granularis (Meadow Sedge)
- 2.5 Carex grayi (Burr Sedge)
- 2 Carex lupulina (Common Hop Sedge)
- 1 Carex muskingumensis (Palm Sedge)
- 0.5 Carex normalis (Spreading Oval Sedge)
- 1 Carex tribuloides (Pointed Oval Sedge)
- 2 Carex vulpinoidea (Fox Sedge)
- 2 Elymus hystrix (Bottlebrush Grass)
- 16 Elymus riparius (Riverbank Wild Rye)
- 64 Elymus virginicus (Virginia Wild Rye)
- 2 Glyceria striata (Fowl Manna Grass)
- 96

Forbs

PLS oz/acre

- 2 Actinomeris alternifolia (Wingstem)
- 0.5 Blephilia hirsuta (Hairy Wood Mint)
- 3.5 Helenium autumnale (Autumn Sneezeweed)
- 2 Heliopsis helianthoides (False Sunflower)
- 0.5 Lobelia siphilitica (Great Blue Lobelia)
 - 1 Lycopus americanus (Water Horehound)
- 0.5 Mimulus ringens (Monkey Flower)
 - 1 Penstemon calycosus (Smooth Penstemon)
 - 1 Rudbeckia laciniata (Green-Headed Coneflower)
 - 3 Silphium perfoliatum (Cupplant)
- 1.5 Solidago gigantea (Late Goldenrod)
 - 2 Symphyotrichum lanceolatum (Panicled Aster)
 - 2 Symphyotrichum lateriflorum (Side-Flowering Aster)
 - 1 Symphyotrichum puniceum (Swamp Aster)
- 0.5 Veronicastrum virgincum (Culver's Root)
 - 2 Zizia aurea (Golden Alexanders)
- 24

Wet Mesic Prairie Mix

Grasses and Sedges

PLS oz/acre

- 16 Andropogon gerardii (Big Bluestem)
- 2 Carex annectans xanthocarpa (Yellow Fox Sedge)
- 2 Carex frankii (Frank's Sedge)
- 6 Carex vulpinoidea (Fox Sedge)
- 32 Elymus canadensis (Canada Wild Rye)
- 32 Elymus virginicus (Virginia Wild Rye)
- 2 Glyceria striata (Fowl Manna Grass)
- 4 Panicum virgatum (Switchgrass)
- 16 Sorghastrum nutans (Indian Grass)
- 112

Forbs

PLS oz/acre

- 1 Asclepias syriaca (Common Milkweed)
- 1 Baptisia alba (White False Indigo)
- 3 Coreopsis tripteris (Tall Coreopsis)
- 3 Echinacea purpurea (Purple Coneflower)
- 2 Eryngium yuccifolium (Rattlesnake Master)
- 0.5 Euthamia graminifolia (Grass-Leaved Goldernrod)
- 1 Helianthus grosseserratus (Sawtooth Sunflower)
- 4 Heliopsis helianthoides (False Sunflower)
- 2 Liatris spicata (Dense Blazing Star)
- 0.5 Monarda fistulosa (Bergamot)
 - 1 Oligoneuron riddellii (Riddell's Goldenrod)
 - 2 Oligoneuron rigidum (Stiff Goldenrod)
- 0.5 Penstemon digitalis (Foxglove Beardtongue)
- 0.5 Pycnanthemum virginianum (Mountain Mint)
 - 4 Ratibida pinnata (Yellow Coneflower)
 - 3 Rudbeckia fulgida speciosa (Showy Black-Eyed Susan)
 - 3 Rudbeckia hirta (Black-Eyed Susan)
 - 3 Rudbeckia subtomentosa (Sweet Black-Eyed Susan)
 - 3 Senna hebecarpa (Wild Senna)
 - 2 Silphium integrifolium (Rosinweed)
 - 4 Silphium terebinthinaceum (Prairie Dock)
- 0.5 Symphyotrichum firmum (Shining Aster)
 - 1 Symphyotrichum novae-angliae (New England Aster)
 - 2 Vernonia fasciculata (Smooth Ironweed)
- 0.5 Veronicastrum virginicum (Culver's Root)
- 48

Parks at Decatur

Proposed Wetland Mitigation:

There is a total of 2.70 +/- acres of proposed wetland impacts

1.81 acres are emergent wetland (PEM) and 0.89 acre is scrub shrub wetland (PSS). However, the surface area of ephemeral channels flowing through these wetlands amount to approximately 0.15 acres. The ephemeral channels will be separated from the wetlands and mitigated at a 1:1 ratio per liner foot (see proposed stream mitigation below). The 0.15 acres of ephemeral surface area will then be deducted out of the wetland acreage equally for PEM and PSS. Thus 1.81 of PEM will be reduced to 1.735 acres of PEM and 0.89 acre of PSS will be reduced to 0.815 acre of PSS.

Proposed Wetland Mitigation to IDNR In-lieu Fee Program:

- 1.735 acres of PEM @ 2:1 replacement ratio = 3.47 acres
- 0.815 acre of PSS @ 3:1 replacement ratio = 2.445 acres
- + 20% Federal Temporal Loss Requirement = Total: 7.098 acres

Proposed Stream Mitigation:

There is a total of 2,059 lineal feet of stream impacts. 159 lineal feet is intermittent channel impacts, the remaining 1,900 feet is ephemeral impacts.

Proposed Stream Mitigation to IDNR In-lieu Fee Program:

• 2,059' @ 1:1 replacement ratio = 2,059' x 20% = Total: 2,471 lineal feet

Estimated Mitigation Cost:

- 7.098 acres of wetland @ \$80,000.00 per acre = \$567,840.00
- 2,471 lineal feet of stream @ \$450.00 per foot = \$1,111,950.00

Total Mitigation Cost: \$1,679,790.00

Parks at Decatur Residential Subdivision - Indianapolis, Indiana

1. Basic Project Purpose

Parks at Decatur, a 160 +/- acre subdivision, involves the development of a new single-family residential subdivision by D.R. Horton Homes, along with the typical required infrastructure of roads, house pads, utilities, storm water features, trails, greenspace areas, including 28+ acres being set aside for a new park (hence the name of this subdivision).

2. Overall Project Purpose and Need

The overall purpose of Parks at Decatur is to create a new single-family residential subdivision in southwestern Marion County, Indiana, to help meet the demand for new housing in Indianapolis and the surrounding metropolitan areas. Sewer, water, and other necessary utilities are present at this site to support residential housing. Numerous other recent subdivisions have and/or are being developed in this area as part of the Indianapolis Comprehensive Land Development Plan.

The site is a large row crop farm bisected by numerous (7) wooded and herbaceous corridors parallel to small intermittent and ephemeral stream channels totaling approximately 8,591 lineal feet. Along these channels we delineated 11 wetlands totaling approximately 5.30 acres. The central flowage west to east location of these natural drainageways required some unavoidable impacts to support the infrastructure of this subdivision. However, our land development team worked closely together to minimize our impacts to less than 2,059 feet of channel and 2.70 acres of wetland. 159 lineal feet are for the crossing of an intermittent channel (Channel Unit #1). The remaining 1,900 lineal feet are ephemeral channel impacts. Nearly all of the higher quality intermittent riparian wooded corridor is being avoided and preserved into a new 28 acre park.

3. Special Aquatic Sites

No special aquatic sites observed or recorded by the IDNR (IDNR Letter enclosed)

4. Practical Alternatives

Alternative 1: Total avoidance of all wetlands requiring no action.

This alternative is determined not to be practical due to requirements and limitations listed above, which make it necessary to balance out a required number of housing units to provide the necessary tax base required to accommodate the essential municipal services of fire, police, roads, parks, other public works, etc.

Alternative 2: Locate another property.

This alternative is also not feasible, as this location is in a prime area for residential housing due to the presence of sanitary sewers, city water, and other necessary utilities.

Alternative 3: Full development of the site.

The engineering and environmental land development team understood from the beginning the need to minimize wetland and stream impacts. Therefore, full development of the site was never considered as a possibility.

Alternative 4: Submitted minimized development plan

The submitted plan, given the circumstances mentioned above, was felt to be the only feasible alternative. It is important to recognize that within this 160 +/- acre parcel, large areas are being set aside as natural areas with trails and green space including a new 28-acre park. The majority of the wetland and stream impacts are located in the ephemeral channels and low quality emergent wetlands of predominantly non-native cattail colonies in the north half of the site.



Eric Holcomb, Governor Daniel W. Bortner, Director

Division of Nature Preserves 402 W. Washington St., Rm W267 Indianapolis, IN 46204-2739

January 19, 2022

John Dixon Ron L. Dixon, Natural Resource Consulting, Inc. 7719 Knapp Road Indianapolis, IN 46259

Dear John Dixon:

I am responding to your request for information on the threatened or endangered (T&E) species, high quality natural communities, and natural areas for the Parks at Decatur Proposed Residential Development Project located within Marion County, Indiana. The Indiana Natural Heritage Data Center has been checked and there are no T&E species or significant areas documented within 0.5 mile of the project area.

If you need a general environmental review of the project from DNR, you can submit the project information to Christie Stanifer, DNR Environmental Coordinator, at <u>environmentalreview@dnr.in.gov</u> (preferred) or send to the street address below. For more help or guidance contact Christie Stanifer at <u>cstanifer@dnr.in.gov</u>.

Department of Natural Resources Environmental Review Division of Fish and Wildlife 402 W. Washington Street, Room W273 Indianapolis, IN 46204

The information I am providing does not preclude the requirement for further consultation with the U.S. Fish and Wildlife Service as required under Section 7 of the Endangered Species Act of 1973. If you have concerns about potential Endangered Species Act issues you should contact the Service at their Bloomington, Indiana office.

U.S. Fish and Wildlife Service 620 South Walker St. Bloomington, Indiana 47403-2121 (812)334-4261

Please note that the Indiana Natural Heritage Data Center relies on the observations of many individuals for our data. In most cases, the information is not the result of comprehensive field surveys conducted at particular sites. Therefore, our statement that there are no documented significant natural features at a site should not be interpreted to mean that the site does not support special plants or animals.

The DNR mission: Protect, enhance, preserve and wisely use natural, cultural and recreational resources for the benefit of Indiana's citizens through professional leadership, management and education.

Due to the dynamic nature and sensitivity of the data, this information should not be used for any project other than that for which it was originally intended. It may be necessary for you to request updated material from us in order to base your planning decisions on the most current information.

Thank you for contacting the Indiana Natural Heritage Data Center. You may reach me at (317)233-2558 you have any questions or need additional information.

Sincerely,

Taylor Davis

Taylor Davis Indiana Natural Heritage Data Center

Enclosure: Invoice





GRAPHIC SCALE (IN FEET) 1" = 150 FT

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STOEPPELWERTH & ASSOCIATES, INC. THIS INSTRUMENT PREPARED BY: DENNIS D. OLMSTEAD 7965 E. 106TH STREET FISHERS, INDIANA 46038 PHONE: (317) 849-5935 THIS INSTRUMENT PREPARED FOR: D.R. HORTON - INDIANA LLC 9210 NORTH MERIDIAN STREET INDIANAPOLIS, INDIANA 46260 CHRIS MCKINNEY PHONE: (317) 374-7504



PARKS AT DECATUR

LEGEND			BY
TREES TO BE SAVED			
TREES TO BE REMOV	ED		
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STOEPPELWERTH & ASSOCIATES, INC. THIS INSTRUMENT PREPARED BY: DENNIS D. OLMSTEAD 7965 E. 106TH STREET FISHERS, INDIANA 46038 PHONE: (317) 849-5935 THIS INSTRUMENT PREPARED FOR: D.R. HORTON - INDIANA LLC 9210 NORTH MERIDIAN STREET INDIANAPOLIS, INDIANA 46260 CHRIS MCKINNEY









STOEPPELWERTH & ASSOCIATES, INC. THIS INSTRUMENT PREPARED BY: ▶ DENNIS D. OLMSTEAD ____ 7965 E. 106TH STREET FISHERS, INDIANA 46038 PHONE: (317) 849-5935 THIS INSTRUMENT PREPARED FOR: D.R. HORTON - INDIANA LLC 9210 NORTH MERIDIAN STREET INDIANAPOLIS, INDIANA 46260 CHRIS MCKINNEY

PHONE: (317) 374-7504



PARKS AT DECATUR

LEGEND

WETLAND

IMPACTED AREA

DISTURBED AREA

PEM _____

PEM/PSS

STREAM IMPACT AREA

TOTAL IMPACT AREA = $2.70 \text{ Ac} \pm$

 $= 1.81 \text{ Ac} \pm$ PEM AREA $= 0.89 \text{ Ac} \pm$ **PEM/PSS AREA**

STREAM IMPACT AREA = 2,059 L.F. = 6,586 SQ.FT./ 0.15 Ac \pm

GRAPHIC SCALE

(IN FEET) 1" = 150 FT



94720DRH

STOEPPELWERTH & ASSOCIATES, INC. THIS INSTRUMENT PREPARED BY: DENNIS D. OLMSTEAD 7965 E. 106TH STREET FISHERS, INDIANA 46038 PHONE: (317) 849-5935 THIS INSTRUMENT PREPARED FOR: D.R. HORTON - INDIANA LLC 9210 NORTH MERIDIAN STREET INDIANAPOLIS, INDIANA 46260

CHRIS MCKINNEY PHONE: (317) 374-7504



Manhole 'ipes Visible

PARKS AT DECATUR



LEGEND

WETLAND

DISTURBED AREA

WETLAND AREAS









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735₀₊₀₀

SCALE: 1"=30' HOR. 1"=30' VERT.



PARKS AT DECATUR STREAM AT SMOKEY MOUNTAIN DRIVE

THIS INSTRUMENT PREPARED FOR: D.R. HORTON - INDIANA LLC 9210 NORTH MERIDIAN STREET INDIANAPOLIS, INDIANA 46260 CHRIS MCKINNEY PHONE: (317) 374-7504 **CHANNEL UNIT 7** 481 L.F.± 578 8 a 0.20% 308 L.F. 42" R.C.P. 80 0±75 ŧ .5(PAGE 2 PAC MATCH LINE MATCH LINÈ 756.31 0+25 1+00 GRAPHIC SCALE 30' 0 15' 30' Ð PAGE 2 MATCH LINE (IN FEET) 1" = 30 FT PROPOSED GRADE 760 750 EXISTING GRADE 0+00740 2+00 1+00MATCH LINE PAGE 2





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THIS INSTRUMENT PREPARED FOR: D.R. HORTON - INDIANA LLC 9210 NORTH MERIDIAN STREET INDIANAPOLIS, INDIANA 46260 CHRIS MCKINNEY PHONE: (317) 374-7504

PARKS AT DECATUR STREAM AT SMOKEY MOUNTAIN DRIVE





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STOEPPELWERTH & ASSOCIATES, INC. THIS INSTRUMENT PREPARED BY: DENISD J. OMSTEAD 7565 E. 106TH STREET 7505 E. 106TH

PARKS AT DECATUR STREAM IMPACT AREA "G"





STOFPPELWERTH & ASSOCIATES, INC. THIS INSTRUMENT PREPARED BY: DENNIS OLOMINTEAD JUENNIS OLOMINTEAD FISHERS, INDIANA 40038 PHONE: (317) 849-5935 PARKS AT DECATUR PIPE 500-501 AT STREAM THIS INSTRUMENT PREPARED FOR: DR. HORTON - INDIANA LLC 9210 NORTH MERDIAN STREET INDIANAPOLIS, INDIANA 46260 CHRIS MCKINNEY PIIONE: (317) 374-7504 000 501 00 > 106 L.E. 15" R.C.P. @ 1.11% (500 200 GRAPHIC SCALE 30' 15' 30' 0 (IN FEET) OUTLET CONTROL #501 CUSTOM STA. 1+31 TC=764.80 1'' = 30 FTEND SECTION #500 STA. 0+25 O.H.W. EXISTING GRADE ELEV.=760.92 PROPOSED GRADE= 770 770 761.10 759.92 760 760 106 L.F. 1.11% 15" R.C.P. CLASS III 755 755 SCALE: 1"=30' HOR. 1"=30' VERT.

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STOFPPFLWERTH& ASSOCIATES, INC. THIS INSTRUMENT PREPARED BY: DENNIS D. OMINTEAD 7965 E. 100TH STREET FISHERS, INDIANA 46038 PHONE: (317) 849-5935 PARKS AT DECATUR STREAM AT BLACK CANYON STREET THIS INSTRUMENT PREPARED FOR: D.R. HORTON - INDIANA LLC 9210 NORTH MERDIAN STREET INDIANAPOLIS, INDIANA 46260 CHRIS MCKINNEY PIIONE: (317) 374-7504 1×00 **ICH** λ°° T) 0×Q 6 Q. 0+25 記 0+75 ń Q L.F. 36" R.C 627 29 L.F. 36" R.C.P. @ 0.90% 18 BILACK CRANTON STREET 1,36" R.C.P. @ 0.95% 627Å ò ۶ Ł 627B 0225 100 MATCH LINE 0,00 PAGE 2 9 GRAPHIC SCALE 30' 0 15' 30' PAGE 2 MATCH LINE (IN FEET) 1'' = 30 FT780 PROPOSED GRADE 770 EXISTING GRADE ____760 1+00PAGE 2 MATCH LINE

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STOEPPELWERTIL& ASSOCIATES, INC. THISINSTRUMENT REPARED BY: THISINSTRUMENT REPARED BY: POSE LIGOTH STREET FISHERS, INDIANA 46038 PHONE: (317) 849-5935 THIS INSTRUMENT PREPARED FOR: D.E. HORTOA-INDIANA ALC 9210 NORTH MERIDIAN STREET INDIANAPOLS, INDIANA 46260 CHRSIMKINNEY PHONE: (317) 374-504

PARKS AT DECATUR PIPE 627-628 AT STREAM

žog 0425 36 0+75 Q L.F. 36" ,b 627 29 LF. 36" R.C.P. @ 0.90% 48 BLACK CANNON STREET 36" R.C.P. @ 0.95% 627A à SALF 627B 0125 628 0^{±00} 9 GRAPHIC SCALE 30' 0 15' 30' CURB INLET #627B STD. MH STA. 0+77 TC=772.38 CURB INLET #627A STD. MH STA. 0+48 TC=772.46 (IN FEET) END SECTION #628 STA. 1+31 END SECTION #627 STA. 0+00 1'' = 30 FT780 PROPOSED GRADE 780 EXISTING GRADE 770 770 . . 766.24 765.73 765. 765.0054 L.F. 0.95% 36" RCP 48 L.F. 0.56% 36" RCP 760 760 29 L.F. 0.90% SCALE: 1"=30' HOR. 36" R.C.P. CLASS III 1"=30' VERT. UP INV.=765.63 DOWN INV.=765.37

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STOEPPELWERTH & ASSOCIATES, INC. THIS INSTRUMENT PREPARED BY: DEININS D. OLMSTEAD 1965 E. HOETH STREET FISHERS, INDLANA 4003 PHONE: (31D 844-5935 THIS INSTRUMENT PREPARED FOR:

THIS INSTRUMENT PREPARED FOR: D.R. HORTON - INDIANA LLC 9210 NORTH MERDIAN STREET INDIANAPOLIS, INDIANA 46260 CHRIS MCKINNEY PIIONE: (317) 374-7504 PARKS AT DECATUR CENTER LINE BLACK CANYON STREET



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Where applicable, the use of this form	n is recommended but not requi	red by the Division of Hi	storic Prese	ervation and Archaeology (DHPA).	
Name(s) of author(s) Stacy N. Bennett				Date (<i>month, day, year</i>) 11/4/2022	
Title of project Archaeological Records Check and Phase Ia Field Reconnaissance on a Portion of the Proposed Parks at Decatur Residential Development in Decatur Civil Township, Marion County, Indiana					
This document is being used to report on the res Records check only Records An addendum to a previous archaeolog	sults of: s check and Phase 1a archaeologic gical report. <i>For an addendum, pro</i> v	al reconnaissance vide the following informatic	on.		
Name(s) of author(s) of previous report					
Title of previous report					
Date of previous report (month, day, year)		DHPA number			
Description of project	PROJECT	OVERVIEW			
This study was completed on seve development at the request of the 100-foot buffer area arround each	eral wetland and stream cha United States Army Corps o of these impacts.	nnel impacts at the pr of Engineers. This rec	oposed Pa onnaissano	arks at Decatur residential ce involved the survey of a	
INDOT designation number(s) Pro 22	oject number 2338	DHPA number		DHPA plan number	
Prepared for: <i>(Company / Institution / Agency)</i> Natural Resource Consulting, Inc.					
Name of contact Ron Dixon					
Address (number and street, city, state, and ZIP 7719 Knapp Road, Indianapolis, I	^r <i>code)</i> ndiana 46259				
Telephone number (317) 862-7446	E-mail address naturalresourcecon	sulting@gmail.com			
Name of principal investigator Jeffrey A. Plunkett					
Name of company / institution NS Services, LLC					
Address (number and street, city, state, and ZIP 4974 S. Cobblestone Drive, Zions	^r <i>code)</i> ville, Indiana 46077				
Telephone number (317) 773-2774	E-mail address j.plunkett@nsenvse	ervices.com			
Signature of principal investigator (<i>Required</i>)	i		Date (month, 11/4/2022	. day, year) 2	

PROJECT LOCATION						
County	l	USGS 7.5' series topographic quadrangle Civil township				
Marion	E	Bridgeport, Indiana			Decatur	
			Legal Location			
Grid alignment South and west						
1/4	1/4	1/4	1/4	Section	Township	Range
-	-	-	SE	22	14N	2E

Comments					
Property ownership <i>(Ch</i>	eck all that apply) ocal Government	State Government	Federal Governme	nt 🗌 Other	
Name of owner					
Address of owner (num	ber and street, city, state, a	and ZIP code)			

PROJECT AREA DETAILS			
See Short Report instructions for required references to be consulted.			
Size of project area (hectares)	Size of project area (acres)		
9.8	24.3		
Natural region	Topography		
Central Till Plain Natural Region, Lipton Till Plain (Indiana	Upland flats		
Department of Natural Resources, Division of Nature			
Preserves, Indiana Natural Heritage Data Center 2002)			
Soil(s) information	Watershed		
Crosby slit loam, fine-loamy subsoli, 0 to 2 percent slopes	Opper white River (Bernardin, Lochmueller and Associates		
(CrA) – somewhat poorly drained, hydric (2%);	2002)		
Crosby-Miami silt loams, 2 to 4 percent slopes, eroded			
(CsB2) – somewhat poorly drained, hydric (3%);			
Miami silt loam, 2 to 6 percent slopes, eroded (MmB2) –			
moderately well drained, hydric (6%);			
Miami silt loam, 6 to 12 percent slopes, eroded (MmC2) –			
moderately well drained, hydric (5%);			
Shoals silt loam, 0 to 2 percent slopes, frequently flooded,			
brief duration (Sh) – somewhat poorly drained, hydric (4%)			
(United States Department of Agriculture, Natural Resources			
Conservation Service 2022).			
Current land usage			
Current land use is primarily agricultural. The south half of the	southeast quarter of Section 22 is currently being developed		
for housing.			
Comments			

RECORD	S CHECK
Records check only; no field investigation conducted.	Date of records check <i>(month, day, year)</i> October 10, 2022
Records consulted (Check all that apply) Archaeological site forms, reports in SHAARD, and SHAARD Archaeology Cultural Resource Management reports, other research reports, etc., on fil Historical documents and maps from other institutions / resources IHSSI / NRHP structures records in SHAARD Cemetery records in SHAARD	v and Structures Map Web Application le in locations other than SHAARD
Within the Project Area	
Previously recorded archaeological sites (Include citations) None	
Previous archaeological studies within the project area (Include citations) None	
Name(s) of previously recorded cemetery(ies) None	
Cemetery registry number(s) None	
Outside the Project Area	
Distance from boundary (<i>Check one</i>) Area researched was a half (½) mile radius from the boundary of the projection Area researched was a one (1) mile radius from the boundary of the projection Area researched was a two (2) mile radius from the boundary of the projection	ict area. ct area. ct area.
Previously recorded archaeological sites (<i>Include citations</i>) A total of 44 previously recorded archaeological sites are local each of these sites is provided in the attached Table 1.	ted within one mile of the survey area. Information regarding

Previous archaeological studies (Include citations)

One previous archaeological investigation has been conducted within one mile of the survey area (Brinker 1984). This investigation was a study of Late Archaic sites in central Indiana which surveyed approximately 1,805 acres and identified 234 sites.

Name(s) of previously recorded cemetery(ies)

None

Cemetery registry number(s)

None

	FIELD INVESTIGATION
Date(s) of field investigation (month, day, ye October 21, 2022	vear) Name of field supervisor Jeffrey A. Plunkett
Names of field crew Stacy N. Bennett	· · · · · ·
Field Conditions	
Surface visibility 30-50%	Factors affecting visibility Visibility was affected by standing soy beans, leaf litter, and other vegetation.
Slope 0-12%	Environmental (weather) conditions during the survey Warm, breezy, dry and 70 degrees Fahrenheit
Methods	
Surface survey (Check all that apply) Visual walkover Pedestrian survey	terval: Thirty (30) meters Other (Describe below.) Terval: Five (5) meters Ten (10) meters Other (Describe below.)
Describe methods. All undisturbed portions of the survey conditions adequate for transects spaced at 10 m (32.8	survey areas that were relatively level, had more than 30% ground surface visibility, and r detecting archaeological sites; were surface surveyed using parallel visual pedestrian 8 ft.) intervals.
Shovel probes (Check all that apply) Shovel probes Int	terval: Five (5) meters Ten (10) meters Fifteen (15) meters Other (Describe below)
The standard is screened shovel prob be provided in the methods below.	bes using ¼" size mesh. If shovel probes were not screened, or a different size mesh was utilized, an explanation must
Cores / auger probes (Check all that apply) Cores / auger probes Int) terval: 🗌 Five (5) meters 📄 Ten (10) meters 📄 Fifteen (15) meters 📄 Other <i>(Describe below)</i>
The standard is screened cores / auge explanation must be provided in the m	er probes using ¼" size mesh. If cores / auger probes were not screened, or a different size mesh was utilized, an nethods below.
Describe methods.	
Additional field investigation comments	
	RESULTS
Summary of relevant regional culture backg At the time of this investigation	round 1, at least 1050 archaeological sites have been registered within Marion County representing a pariede as well as a significant number of bistoria sites including ashing formates de schools

the full span of prehistoric time periods as well as a significant number of historic sites including cabins, farmsteads, schools, bridges, historic dumps, military facilities, a military encampment, trolley tracks, and a portion of the Central Canal. Specific prehistoric cultural phases identified within the county include Laurentian Tradition, Oliver, and Riverton. The county has two archaeological sites that are listed in the National Register of Historic Places. The first of these sites is 12-Ma-648, which is an unidentified prehistoric lithic scatter and early 19th century artifact scatter. The second site is 12-Ma-649, which is an Early Archaic, Late Archaic, and Late Woodland/Mississippian lithic scatter and an early 19th century artifact scatter. Both of

these sites are located on property of Fort Benjamin Harrison.		
The 1855 historic atlas of Marion County (Condit, Wright & Hayden 1855) shows Edward Wallen as the owner of the southeast quarter of Section 22 but does not show structures. The 1866 atlas (Warner 1866) shows William Mills as the owner of the quarter section and depicts a house within the notheast quarter of the section. This structure appears to be located in the same location as several structures shown on the current topographic map just to the northeast of the survey areas. The 1889 atlas (Fatout 1889) shows Levi Paddock as the owner of the quarter section and depicts two structures further north and east than the one shown on the 1866 atlas.		
Records check <i>(Check all that apply)</i> The project area does not have the potential to contain archaeological re	sources. Provide explanation / justification.	
There are previously recorded archaeological resources within the project investigation. <i>Provide explanation / justification.</i>	ct area, but those resources do not warrant additional archaeological	
 The project area contains previously recorded archaeological resources to contain archaeological resources. <i>Provide explanation / justification.</i> Based upon the records check results, a reconnaissance has been 	that warrant additional investigation and/or the project area has the potential conducted.	
Explanation / justification		
The potential for undisturbed ground within the survey areas a	nd location of nearby archaeological sites suggested that the	
project may impact undocumented archaeological resources.	As a result, a Phase Ia archaeological reconnaissance of the	
project was determined to be necessary.		
No Phase 1a reconnaissance (<i>Check all that apply</i>)		
Phase 1a reconnaissance located no archaeological resources.		
Previously recorded sites were in the project area.		
Artifacts and/or features at a previously recorded site(s) within the p	project area were not discovered. <i>List the site(s) below.</i>	
List sites.		
Describe landforms.		
Number of shovel probes excavated	Number of cores / auger probes	
Describe disturbances. Attach photographs documenting disturbances.		
The southeastern survey area located adjacent to Paddock Road had been disturbed by residential development prior to this reconnaissance. Although the wetland area located here remains undisturbed, earthmoving has occurred up to the edge of this wetland		
The only other significant ground disturbances encountered in the survey areas were areas that had been impacted by steep slope erosion and stream channel down-cutting.		
Actual area surveyed <i>(hectares)</i> 9.8	Actual area surveyed <i>(acres)</i> 24.3	
Explain results of fieldwork. As discussed above, the southeastern survey area was all found to be previously disturbed prior to this investigation. The southwestern survey area was entirely covered by woods and weeds and was also found to be disturbed; however, this time it was all natural disturbance caused by steep slope erosion and stream channel down-cutting.		
The wetland and stream channel impact areas in the northern survey area were covered in weeds and cattails with smaller areas of woods and weeds in the disturbed steeply sloped and eroded areas surrounding these impact areas. A cultivated agricultural field containing soybeans and weeds and having a ground surface visibility of 30-50% surrounded all of the impact areas in the northern portion of the project and was surface surveyed at 10-meter intervals.		
	face surveyed at 10-meter intervals.	
BEAANU	Tace surveyed at 10-meter intervals.	
RECOMME Records check (Check all that apply)	Tace surveyed at 10-meter intervals.	

No archaeological investigation is recommended before the project is allowed to proceed because the records check has determined that the project area does not have the potential to contain archaeological resources.

A Phase 1a archaeological reconnaissance is recommended.

Based upon the records check results, a Phase 1a archaeological reconnaissance was recommended and has been conducted.

 $\boxtimes \Box$ A cemetery development plan may be required under Indiana Code 14-21-1-26.5 because project ground disturbance will be within 100 feet of a cemetery.

 It is recommended that the project be allowed to proceed as planned because the Phase 1a archaeological reconnaissance has located no archaeological sites within the project area and/or previously recorded sites that were investigated warrant no additional investigation. It is recommended that Phase 1c archaeological subsurface reconnaissance be conducted before the project is allowed to proceed. The Phase 1a archaeological reconnaissance has determined that the project area includes landforms which have the potential to contain buried archaeological
deposits.
Pursuant to IC-14-21-1, if any archaeological artifacts or human remains are uncovered during construction, demolition, or earthmoving activities, state law (Indiana Code 14-21-1-27 and 29) requires that the discovery must be reported to the Department of Natural Resources within two (2) business days. In that event, please call (317) 232-1646.
REQUIRED ATTACHMENTS
Figure showing project location within Indiana
SGS topographic map showing the project area (1:24,000 scale)
Photographs of the project area, including, if applicable, photographs documenting disturbances
Cther attachments
Table 1. Previously recorded archaeological sites within one mile of the survey areas.
References cited (See short report instructions for required references to be consulted) Baskin Forster and Company
1876 Map of Spencer County. In Illustrated Atlas of the State of Indiana. Baskin, Forster and Company, Chicago.
2002 WATERSHEDS HUC08 CATALOG UNITS USGS IN Cataloging Units 8-digit Hydrologic Units in Indiana
(Derived from US Geological Survey, 1:24,000 Polygon Shapefile). https://maps.indiana.edu/.
Drielens Duth
1984 An Archaeological Survey of Late Archaic Sites in Central Indiana, Glenn A, Black Laboratory of Archaeology, Indiana
University, Bloomington, Indiana. Prepared for Indiana Department of Natural Resources, Indianapolis.
Condit, Wright & Hayden 1855 Map of Marion County, Indiana, Middelton, Wallace & Co., Cincinnati
Fatout, Hervey B.
1889 Atlas of Indianapolis and Marion County, Indiana. Griffing, Gordon & Co., Philadelphia.
Indiana Department of Natural Resources, Division of Historic Preservation and Archaeology
2022 SHAARD. Electronic document. https://secure.in.gov/apps/dnr/shaard/welcome.html, accessed June 10, 2022.
Indiana Department of Natural Resources, Division of Nature Preserves, Indiana Natural Heritage Data Center
2002 NATURAL REGIONS IDNR IN: Natural Regions of Indiana (Indiana Department of Natural Resources, 1:800,000,
Polygon Shapefile). Digitized from map data in Michael A. Homoya, D. Brian Abrell, James Aldrich, and Thomas W. Post,
1985, The Natural Regions of Indiana, Proceedings of the Indiana Academy of Science 94:245-268.
United States Department of Agriculture, Natural Resources Conservation Service
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Warner, A.
1866 Map of Marion County, Indiana. C. O. Titus, Philadelphia.

Phase 1a archaeological reconnaissance (Check all that apply)

Location of project documentation Office of NS Services, LLC

State Site #	Cultural Affiliation	Site Type	Previous	Reference
12MC85	Unidentified prohistoric	Isolated find	None given	Brinkor 1084
12101000			None given	DIIIKEI 1904
12MG86	Historic	Lithic scatter, Dump	None given	Brinker 1984
12MG87	Unidentified prehistoric	Lithic scatter	None given	Brinker 1984
12MG88	Early Archaic, Late Archaic	Lithic scatter	None given	Brinker 1984
12MG89	Early Archaic, Late Archaic	Camp	None given	Brinker 1984
12MG90	Early Archaic	Lithic scatter	None given	Brinker 1984
12MG91	Unidentified prehistoric	Lithic scatter	None given	Brinker 1984
12MG92	Unidentified prehistoric	Camp	None given	Brinker 1984
12MG93	Early Archaic	Camp	None given	Brinker 1984
12MG94	Unidentified prehistoric	Lithic scatter	None given	Brinker 1984
12MG95	Unidentified prehistoric	Lithic scatter	None given	Brinker 1984
12MG98	Unidentified prehistoric	Camp	None given	Brinker 1984
1014000	Unidentified prehistoric,	Lithic scatter, Historic	Nana siyan	Drinker 1001
12MG99	Historic	scatter	None given	Brinker 1984
12MG100	Unidentified prehistoric	Lithic scatter	None given	Brinker 1984
12MG101	Unidentified prehistoric	Isolated find	None given	Brinker 1984
12MG102	Unidentified prehistoric	Lithic scatter	None given	Brinker 1984
12MG103	Late Archaic	Camp	None given	Brinker 1984
12MG106	Unidentified prehistoric	Camp	None given	Brinker 1984
12MG107	Unidentified prehistoric	Camp	None given	Brinker 1984
12MG108	Unidentified prehistoric	Isolated find	None given	Brinker 1984
12MG109	Unidentified prehistoric	Lithic scatter	None given	Brinker 1984
12MG110	Unidentified prehistoric	Camp	None given	Brinker 1984
12MG111	Unidentified prehistoric	Camp	None given	Brinker 1984
12MG112	Unidentified prehistoric	Camp	None given	Brinker 1984
12MG113	Middle Woodland	Isolated find	None given	Brinker 1984
12MC114	Anglesia, Llistania	Lithic scatter,	Nono giyon	Prinker 1094
121013114	Archaic, Historic	Farmstead	None given	DIIIKEI 1904
12MG115	Early Archaic	Camp	None given	Brinker 1984
12MC116	Lata Archaia, Historia	Camp, Historic	Nono giyon	Brinkor 1084
121010110	Late Archaic, Thstoric	scatter	None given	DIIIKEI 1904
12MG117	Early Archaic	Camp	None given	Brinker 1984
12MG118	Late Archaic	Camp	None given	Brinker 1984
12MG119	Late Archaic	Camp	None given	Brinker 1984
12MG120	Unidentified prehistoric	Camp	None given	Brinker 1984
12MC121	Early Archaic, Middle	Camp	None given	Brinker 108/
121010121	Archaic, Late Archaic	Camp	None given	DIIIKEI 1964
12MG131	Late Archaic	Camp	None given	Brinker 1984
12MG132	Early Archaic	Camp	None given	Brinker 1984
12MG133	Unidentified prehistoric	Camp	None given	Brinker 1984
12MG134	Late Archaic	Isolated find	None given	Brinker 1984
12MG135	Late Archaic	Isolated find	None given	Brinker 1984
12MG136	Late Archaic	Isolated find	None given	Brinker 1984
12MG137	Unidentified prehistoric	Camp	None given	Brinker 1984
12MG138	Unidentified prehistoric	Camp	None given	Brinker 1984
12MG139	Unidentified prehistoric	Camp	None given	Brinker 1984
12MG140	Late Woodland	Camp	None given	Brinker 1984
12MG141	Unidentified prehistoric	Camp	None given	Brinker 1984

Table 1. Previously recorded archaeological sites within one mile of the survey areas.









Photograph 1. Panoramic view of the south edge of the southeastern survey area showing previous disturbance, facing west.



Photograph 2. Panoramic view of the west edge of the southeastern survey area showing previous disturbance, facing south.



Photograph 3. View of the southwest survey area, facing north.



Photograph 4. View of down-cut channel in the southwest survey area, facing east.



Photograph 5. View of the soybean field located northeast of the northern survey area, facing northwest.



Photograph 6. View of the soybean field located northeast of the northern survey area, facing northwest.



Photograph 7. View of the soybean field located south of the northern survey area, facing west.



Photograph 8. View of the soybean field located south of the northern survey area, facing east.



Photograph 9. Typical visibility in the soybean field northeast of the northern survey area.



Photograph 10. Typical visibility in the soybean field south of the northern survey area.



Wetland Delineation Report

For: Parks at Decatur Camby, Indiana

Prepared For: Mark Bridwell D.R. Horton

By: Ron L. Dixon Natural Resource Consulting

April, 2021

May 4, 2021

Mark A. Bridwell Division Vice President, Land Development D.R. Horton 9210 N. Meridian Street Indianapolis, Indiana 46260

Dear Mr. Bridwell:

This is a report regarding the wetland delineation we did for the 160-acre +/- Parks at Decatur site located off in Camby, Indiana. We did a wetland delineation and a Waters of the U.S. delineation of the plants, soils, and hydrology of the site, per current U.S. Army Corps of Engineers (USACE) standards and specifications.

There are a total of 11 wetlands delineated at this site; Wetlands A through K, detailed further in this report. We also delineated 7 bed and bank channels which may be possible Waters of the U.S. (W.O.T.U.S).

The crop fields appear to have a working subsurface drainage system. It is important to understand that if the fields are left to go fallow for one or more growing seasons, it is possible that dormant wetland seed could begin to emerge in any hydric soils. Therefore, it is our recommendation that the site continue to be farmed each year until development is ready to begin.

If you decide to impact any of these wetlands, then the next step would be to apply for an official Jurisdictional Determination (JD) from USACE. If necessary, we can assist you with preparing and submitting the permit application.

Please contact us if you have any questions.

Thank you.

Ron Dinjan

Ron Dixon Natural Resource Consultant



Figure 1. USGS 7.5-minute series of the Camby, Indiana topographic quadrangle.



Figure 2. USDA NRCS Soil Survey.

Map Unit Symbol	Map Unit Name	Drainage	Hydric Soil Rating
ThrA	Treaty silty clay loam, 0 to 1 percent slopes	Poorly drained	Yes
Sh	Shoals silt loam, 0 to 2 percent slopes, frequently flooded, brief duration	Somewhat poorly drained	No
CrA	Crosby silt loam, fine-loamy subsoil, 0 to2 percent slopes	Somewhat poorly drained	No
CsB2	Crosby-Miami silt loams, 2 to 4 percent slopes, eroded	Moderately well drained	No
MmA	Miami silt loam, 0 to 2 percent slopes, gravelly substratum	Moderately well drained	No
MmB2	Miami silt loam, 2 to 6 percent slopes, eroded	Moderately well drained	No
MmC2	Miami silt loam, 6 to 12 percent slopes, eroded	Moderately well drained	No
MxD2	Miami complex, 12 to 18 percent slopes, eroded	Moderately well drained	No

Table 1. List and description of on-site soils.



Figure 3. NFWS NWI Map.



Figure 4. 2020 aerial photograph.



Figure 5. 2018 aerial photograph.



Figure 6. Approximate wetland and bed and bank channel locations – south tract.



Figure 7. Approximate wetland and bed and bank channel locations – north tract.

Wetland	Size (acres +/-)	Туре	Estimated JD Status
А	0.62	PEM (Emergent)	Jurisdictional
В	0.17	PEM (Emergent) / PSS (Scrub)	Jurisdictional
С	0.11	PEM (Emergent) / PSS (Scrub)	Jurisdictional
D	0.04	PEM (Emergent)	Jurisdictional
E	0.30	PEM (Emergent) / PSS (Scrub)	Jurisdictional
F	0.98	PEM (Emergent) / PSS (Scrub)	Jurisdictional
G	0.52	PEM (Emergent)	Jurisdictional
Н	0.03	PEM (Emergent)	Jurisdictional
I	0.33	PEM (Emergent) / PSS (Scrub)	Jurisdictional
J	2.00	PEM (Emergent)	Jurisdictional
К	0.14	PEM (Emergent)	Jurisdictional

 Table 2. Description of delineated wetlands.

Channel Unit	Туре	Length (lineal feet +/-)
1	Intermittent	3,749
2	Intermittent	206
3	Intermittent	486
4	Intermittent	423
5	Intermittent	1,592
6	Intermittent	119
7	Intermittent	2,376

Table . Description of on-site bed and bank channels



Figure 8. Sampling point locations.
Common Name	Scientific Name	Indicator
American Beech	Fagus grandifolia	FACU
American Hornbeam	Carpinus caroliniana	FAC
American Sycamore	Platanus occidentalis	FACW
Black Cherry	Prunus serotina	FACU
Black Walnut	Juglans nigra	FACU
Broad-Leaf Cat-Tail	Typha latifolia	OBL
Broom-Sedge	Andropogon virginicus	FACU
Bush Honeysuckle	Lonicera tatarica	FACU
Callery Pear	Pyrus calleryana	FACU
Canada Goldonrod	Solidago canadensis	FACU
Canada Thistle	Cirsium arverse	FACU
Common Hackberry	Celtis occidentalis	FAC
Dogtooth Violet	Erythronium americanum	UPL
Eastern Red-Cedar	Juniperus virginiana	FACU
Eastern Woodland Sedge	Carex blanda	FAC
Fowl Manna Grass	Glyceria striata	OBL
Fuller's Teasel	Dipsacus follonum	FACU
Giant Foxtail Grass	Setaria faberi	FACU
Giant Ironweed	Vernonia gigantea	FAC
Hairy Wild Rye	Elymus villosus	FACU
Hairy Willowherb	Epilobium hirsutum	FACW
Henbit	Lamium amplexicaule	UPL
Japanese Bristle Grass	Setaria faberi	FACU
King's-Cureall	Oenothera biennis	FACU
Late Goldenrod	Solidago gigantea	FACW
Meadow Fescue	Festuca pratensis	FACU
Milkweed	Asclepias syriaca	FACU
Morrow's Honeysuckle	Lonicera morrow ii	FACU
Orchard Grass	Dactylis glomerata	FACU
Poison Hemlock	Conium maculatum	FACW
Purple Dead-Nettle	Lamium purpureum	UPL

Rambler Rose	Rosa multiflora	FACU
Red Mulberry	Morus rubra	FACU
Reed Canary Grass	Phalaris arundinacea	FACW
River-Bank-Grape	Vitis riparia	FACW
Shag-Bark Hickory	Carya ovata	FACU
Shepherd's-Purse	Capsella bursa-pastoris	FACU
Silky Dogwood	Cornus amomum	FACW
Smooth Brome	Bromus inermis	FACU
Spotted Touch-Me-Not	Impatiens capensis	FACW
Spring Draba	Draba verna	UPL
Swamp Rose	Rosa palustris	OBL
Tuliptree	Liriodendron tulipifera	FACU
Watercress	Nasturtium officinale	OBL
White Avens	Geum canadense	FAC
White Heath American-Aster	Symphyotrichum ericoides	FACU
White Willow	Salix alba	FACW

 Table 4. List of on-site vegetation.

Project/Site: Parks at Decatur	City/County: C	amby/Marion	Sampling Date	e: 3/24/2021
Applicant/Owner: Chris McKinney/D.R. Horton		State:	N Sampling Poir	nt: <u>1</u>
Investigator(s): John Dixon, Matt Buck	Section, Townsh	nip, Range: S22 T14N I	R2E	
Landform (hillside, terrace, etc.): Swell	Local r	relief (concave, convex, r	none): <u>Convex</u>	
Slope (%): 2 Lat: <u>39.63323°N</u>	Long: 086.29	389°W	Datum: WGS 84	1
Soil Map Unit Name: Crosby silt loam (CrA), 0 to 2 percent slop	es	NWI	classification:	
Are climatic / hydrologic conditions on the site typical for this tin	ie of year? Yes	X No (If r	no, explain in Remarks	.)
Are Vegetation , Soil , or Hydrology significar	tly disturbed? Are "No	ormal Circumstances" pre	esent? Yes X	No
Are Vegetation Soil or Hydrology naturally	problematic? (If need	led. explain any answers	in Remarks.)	
SUMMARY OF FINDINGS – Attach site map sho	wing sampling po	int locations, trans	sects, important f	eatures, etc.
Hydrophytic Vagetation Present? Yes No X	Is the Sam	nled Area		
Hvdric Soil Present? Yes No X	within a We	etland? Yes	No X	
Wetland Hydrology Present? Yes No X				
Remarks:	I			
This is row crop ground.				
VEGETATION – Use scientific names of plants.				
Absolu	te Dominant Indic	ator		
Tree Stratum (Plot size:) % Cov	er Species? Stat	Dominance re	st worksheet:	
2		Number of Dom	ninant Species That	0 (A)
2. 3				(//)
4.		Across All Strat	a:	1 (B)
5.		Percent of Dom	ninant Species That	、
	=Total Cover	Are OBL, FACV	N, or FAC:	0.0% (A/B)
Sapling/Shrub Stratum (Plot size:)	—			
1		Prevalence Ind	lex worksheet:	
2		Total % Co	over of: Multi	ply by:
3		OBL species	0 x 1 =	0
4		FACW species	$\underbrace{0}$ $X \angle =$	0
D	-Total Cover	FAC Species	0 x 3 = 0	
Herb Stratum (Plot size: 5')		UPL species	$\frac{0}{0}$ x5=	0
1. Corn residue 100	Yes	Column Totals:	0 (A)	0 (B)
2.		Prevalence I	ndex = $B/A =$	
3.		— I		
4		Hydrophytic Ve	egetation Indicators:	
5		1 - Rapid T	est for Hydrophytic Ve	getation
6		2 - Domina	nce Test is >50%	
7		3 - Prevaler	nce Index is $\leq 3.0^1$	
8		4 - Morphol	logical Adaptations ¹ (Pr	rovide supporting
9				
10			c Hydrophytic Vegetati	on' (Explain)
Woody Vine Stratum (Plot size:)		Indicators of hy	ydric soil and wetland h	ydrology must
1.				matic.
2.				
	=Total Cover	Present?	Yes No	х
	<u> </u>			

-,

Depth	IVIdUIX										
inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Textu	ire		Remarks	
0-16	10YR 4/2	100					Loamy/C	Clayey			
								<u> </u>			
ype: C=Co	ncentration, D=Deple	etion, RM=	Reduced Matrix,	MS=Mas	ked San	d Grains.		² Location:	PL=Pore L	ining, M=Mat	rix.
ydric Soil Ir	ndicators:							Indicator	s for Proble	matic Hydri	: Soils ³ :
Histosol (41)		Sandy G	leyed Mat	rix (S4)			Coas	Prairie Red	ox (A16)	
Histic Epi	pedon (A2)		Sandy Re	edox (S5)				Iron-N	langanese N	Masses (F12)	
Black Hist	tic (A3)		Stripped	Matrix (Se	5)			Red I	Parent Mater	ial (F21)	
Hydrogen	Sulfide (A4)		Dark Sur	face (S7)				Very	Shallow Darl	< Surface (F2	2)
Stratified	Layers (A5)		Loamy M	lucky Mine	eral (F1)			Other	(Explain in I	Remarks)	
2 cm Muc	k (A10)		Loamy G	leyed Mat	rix (F2)						
Depleted	Below Dark Surface	(A11)	Depleted	Matrix (F	3)			2			
Thick Dar	k Surface (A12)		Redox Da	ark Surfac	e (F6)			³ Indicator	s of hydroph	ytic vegetatio	n and
Sandy Mu	icky Mineral (S1)		Depleted	Dark Sur	face (F7))		wetla	nd hydrology	must be pre	sent,
5 cm Muc	ky Peat or Peat (S3)		Redox De	epression	s (F8)			unles	s disturbed o	or problemati) .
estrictive La	ayer (if observed):										
Туре:											
Type: Depth (inc emarks: rosby silt loa	ches): am (CrA) is not rated	as a hydr	ric soil.				Hydric So	I Present	?	Yes	No
Type: Depth (inc Remarks: Crosby silt loa	ches):	as a hydr	ic soil.				Hydric So	I Present	?	Yes	<u>No</u>
Type: Depth (inc emarks: rosby silt loa	othes): am (CrA) is not rated	as a hydr	ic soil.				Hydric So	l Present	?	Yes	No
Type: Depth (inc emarks: rosby silt loa YDROLO(Vetland Hyd	ches): am (CrA) is not rated GY rology Indicators:	as a hydr	ric soil.				Hydric So	l Present	?	Yes	<u>No</u>
Type: Depth (inc emarks: rosby silt loa YDROLOC /etland Hyd rimary Indica	ches): am (CrA) is not rated GY rology Indicators: ators (minimum of or	as a hydr	ic soil. red; check all tha	t apply)			Hydric So	I Present	? y Indicators	Yes	No
Type: Depth (inc emarks: rosby silt loa YDROLOC Yetland Hyd rimary Indica Surface W	ches): m (CrA) is not rated GY rology Indicators: ators (minimum of or /ater (A1)	as a hydr	ic soil. red; check all tha Water-St	t apply)	ves (B9)		Hydric So	I Present	? <u>y Indicators</u> ce Soil Crac	Yes (minimum of ks (B6)	No
Type: Depth (inc emarks: rosby silt loa YDROLO(Yetland Hyd rimary Indica Surface W High Wate	Shes): am (CrA) is not rated GY rology Indicators: ators (minimum of or /ater (A1) er Table (A2)	as a hydr	red; check all tha Water-St Aquatic F	<u>t apply)</u> ained Lea Fauna (B1	ves (B9) 3)		Hydric So	Secondar Surfa	? y Indicators ce Soil Crac age Patterns	Yes (minimum of ks (B6) ; (B10)	No
Type: Depth (inc emarks: rosby silt loa (DROLO(/etland Hyd rimary Indica Surface W High Wate Saturation	Thes): The (CrA) is not rated GY rology Indicators: ators (minimum of or /ater (A1) er Table (A2) h (A3) h (A3)	as a hydr	ric soil. red; check all tha Water-St Aquatic F True Aqu	t apply) ained Lea Fauna (B1 Patic Plant	ves (B9) 3) s (B14)		Hydric So	Secondar Surfa Drain	<u>y Indicators</u> ce Soil Crac age Patterns eason Wate	Yes (minimum of ks (B6) s (B10) r Table (C2)	_ No
Type: Depth (inc emarks: rosby silt loa / total comparison / tota	Ches): am (CrA) is not rated GY rology Indicators: ators (minimum of or /ater (A1) er Table (A2) h (A3) rks (B1) D	as a hydr	ric soil. red; check all tha Water-St Aquatic F True Aqu Hydroger	t apply) ained Lea Fauna (B1 atic Plant n Sulfide (ves (B9) 3) s (B14) Ddor (C1)	Hydric So	Secondar Surfa Drain Dry-S Crayf	<u>y Indicators</u> ce Soil Crac age Patterns eason Wate	Yes (minimum of ks (B6) s (B10) r Table (C2) (C8)	No
Type: Depth (inc emarks: rosby silt loa YDROLOG /etland Hyd rimary Indica Surface W High Wate Saturatior Water Ma Sediment	Ches): am (CrA) is not rated GY rology Indicators: ators (minimum of or /ater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2) acia (B2)	as a hydr	ic soil. red; check all tha Water-St Aquatic F True Aqu Hydroger Oxidized	t apply) ained Lea Fauna (B1 latic Plant n Sulfide (Rhizosph	ves (B9) 3) s (B14) Ddor (C1 eres on) Living Ro	Hydric Sol	Secondar Surfa Drain Dry-S Crayf Satur	y Indicators ce Soil Crac age Patterns eason Wate ish Burrows ation Visible	Yes (minimum of ks (B6) s (B10) r Table (C2) (C8) on Aerial Ima	No
Type: Depth (inc emarks: rosby silt loa YDROLOO Yetland Hyd rimary Indica Surface W High Wate Saturation Water Ma Sediment Drift Depco	CrA) is not rated am (CrA) is not rated GY rology Indicators: ators (minimum of or /ater (A1) er Table (A2) h (A3) rks (B1) Deposits (B2) usits (B3)	as a hydr	red; check all tha Water-St Aquatic F True Aqu Hydroger Oxidized Presence	t apply) ained Lea Fauna (B1 atic Plant n Sulfide (Rhizosph e of Reduc	ves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron) Living Ro (C4)	Hydric Sol	Secondar Surfa Drain Dry-S Crayf Satur Sturt	y Indicators ce Soil Crac age Patterns eason Wate ish Burrows ation Visible ed or Stress	(minimum of ks (B6) s (B10) r Table (C2) (C8) on Aerial Im- ed Plants (D2)	<u>No</u> two require agery (C9)
Type: Depth (inc emarks: rosby silt loa YDROLOO Yetland Hyd rimary Indica Surface W High Wate Saturation Water Ma Sediment Drift Depc Algal Mat	CrA) is not rated GY rology Indicators: ators (minimum of or /ater (A1) er Table (A2) h (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) or Crust (B4)	as a hydr	red; check all tha Water-St Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir	t apply) ained Lea Fauna (B1 atic Plant o Sulfide (Rhizosph of Reduction ron Reduction	ves (B9) 3) s (B14) Ddor (C1 eres on ced Iron tion in Ti (07)) Living Ro (C4)	Hydric So bots (C3) s (C6)	Secondar Surfa Drain Dry-S Crayf Satur Stunt Geon	y Indicators ce Soil Crac age Patterns eason Wate ish Burrows ation Visible ed or Stress horphic Posit	(minimum of ks (B6) s (B10) r Table (C2) (C8) on Aerial Im- ed Plants (D ² ion (D2)	No two require agery (C9))
Type: Depth (inc emarks: rosby silt loa // DROLOC /etland Hyd fimary Indica Surface W High Wate Saturation Water Ma Sediment Drift Depc Algal Mat Iron Depo	ches): am (CrA) is not rated GY rology Indicators: ators (minimum of or /ater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2) osits (B3) or Crust (B4) sits (B5) o Visible on Acriel In	as a hydr	ric soil. red; check all tha Water-St Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc	t apply) ained Lea Fauna (B1 latic Plant n Sulfide (Rhizosph e of Reduc on Reduc	ves (B9) 3) s (B14) Ddor (C1 eres on ced Iron tion in Ti (C7)) Living Ro (C4) illed Soils	Hydric So bots (C3) s (C6)	Secondar Surfa Drain Dry-S Crayf Satur Stunt Geon FAC-	<u>y Indicators</u> ce Soil Crac age Patterns eason Wate ish Burrows ation Visible ed or Stress norphic Posit Neutral Test	Yes (minimum of ks (B6) s (B10) r Table (C2) (C8) on Aerial Im- ed Plants (D ² tion (D2) (D5)	No two require agery (C9))
Type: Depth (inc emarks: rosby silt loa (DROLOC /etland Hyd fimary Indica 	Ches): am (CrA) is not rated GY rology Indicators: ators (minimum of or /ater (A1) er Table (A2) a (A3) rks (B1) Deposits (B2) osits (B3) or Crust (B4) sits (B5) a Visible on Aerial In Visable on Aerial In	as a hydr	ric soil. red; check all tha Water-St Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc 7) Gauge of 200 Other (C)	t apply) ained Lea Fauna (B1 atic Plant n Sulfide (Rhizosph e of Reduc fon Reduc ton Reduc ton Reduc	ves (B9) 3) s (B14) Ddor (C1 eres on ced Iron tion in Ti (C7) a (D9)) Living Ro (C4) illed Soils	Hydric Sol	Secondar Surfa Drain Dry-S Crayf Satur Stunt Geon FAC-	y Indicators ce Soil Crac age Patterns eason Wate ish Burrows ation Visible ed or Stress norphic Posit Neutral Test	Yes (minimum of ks (B6) s (B10) r Table (C2) (C8) on Aerial Ima ed Plants (D ² ion (D2) (D5)	No two requir agery (C9))
Type: Depth (inc emarks: rosby silt loa (DROLOC (etland Hyd rimary Indica Surface W High Wate Saturation Water Ma Sediment Drift Depc Algal Mat Iron Depo Inundation Sparsely	CrA) is not rated am (CrA) is not rated GY rology Indicators: ators (minimum of or /ater (A1) er Table (A2) h (A3) rks (B1) Deposits (B2) ists (B3) or Crust (B4) sits (B5) h Visible on Aerial In Vegetated Concave	as a hydr ne is requi nagery (B7 Surface (E	red; check all tha Water-St Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc 7) Gauge of 38) Other (E)	t apply) ained Lea Fauna (B1 atic Plant Sulfide (Rhizosph of Reduc fon Reduc fon Reduc k Surface r Well Dat splain in R	ves (B9) 3) s (B14) Ddor (C1 eres on ced Iron tion in Ti c(C7) a (D9) temarks)) Living Ro (C4) illed Soils	Hydric So bots (C3) s (C6)	Secondar Surfa Drain Dry-S Crayf Satur Stunt Geon FAC-	y Indicators ce Soil Crac age Patterns eason Wate ish Burrows ation Visible ed or Stress horphic Posit Neutral Test	(minimum of ks (B6) s (B10) r Table (C2) (C8) on Aerial Im- ed Plants (D2) (D5)	No two requir agery (C9))
Type: Depth (inc emarks: rosby silt loa YDROLOO /etland Hyd /imary Indica Surface W High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundation Sparsely V ield Observ	ches): am (CrA) is not rated GY rology Indicators: ators (minimum of or /ater (A1) er Table (A2) 1 (A3) rks (B1) Deposits (B2) or Crust (B4) sits (B5) 1 Visible on Aerial In /egetated Concave ations: r Brecent2	as a hydr ne is requi nagery (B7 Surface (E	ric soil. red: check all tha Water-St Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc 7) Gauge or 38) Other (Es	t apply) ained Lea Fauna (B1 atic Plant on Sulfide (Rhizosph e of Reduc on Reduc on Reduc con Reduc con Reduc con Reduc	ves (B9) 3) s (B14) Ddor (C1 eres on tion in Ti (C7) a (D9) temarks)) Living Ro (C4) illed Soils	Hydric So bots (C3) s (C6)	Secondar Surfa Drain Dry-S Crayf Satur Stunt Geon FAC-	<u>y Indicators</u> ce Soil Crac age Patterns eason Wate ish Burrows ation Visible ed or Stress norphic Posit Neutral Test	Yes (minimum of ks (B6) s (B10) r Table (C2) (C8) on Aerial Im- ed Plants (D2) (D5)	No two require agery (C9))
Type: Depth (inc emarks: crosby silt loa yDROLOG /etland Hyd /rimary Indica Surface W High Wate Saturation Water Ma Sediment Nater Ma Sediment Nater Ma Sediment Nater Ma Saturation Nater Ma Saturation Nater Ma Nater Ma 	Ches): Ches): Ches): Ches): Control of the second seco	as a hydr	ric soil. red; check all tha Water-St Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc 7) Gauge or 38) Other (E)	t apply) ained Lea Fauna (B1 atic Plant n Sulfide (Rhizosph e of Reduc ton Reduc ton Reduc ton Reduc ton Reduc to Reduc	ves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron tion in Ti (C7) a (D9) temarks) nches):) Living Ro (C4) illed Soils	Hydric So bots (C3) s (C6)	Secondar Surfa Drain Dry-S Crayf Satur Stunt Geon FAC-	y Indicators ce Soil Crac age Patterns eason Wate ish Burrows ation Visible ed or Stress norphic Posit Neutral Test	Yes (minimum of ks (B6) s (B10) r Table (C2) (C8) on Aerial Im- ed Plants (D ² tion (D2) (D5)	No two require agery (C9))
Type: Depth (inc emarks: crosby silt loa YDROLOG Yetland Hyd Yimary Indica Surface W High Water Saturation Water Ma Sediment Drift Depc Algal Mat Iron Depo Inundation Sparsely V ield Observ Surface Wate	CrA) is not rated CrA) is not rated GY rology Indicators: ators (minimum of or /ater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) osits (B3) or Crust (B4) sits (B5) n Visible on Aerial In /egetated Concave ations: r Present? Yes Present? Yes	as a hydr	red; check all tha Water-St Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Chin Muc 7) Gauge of 38) Other (E) No X No X No X	t apply) ained Lea Fauna (B1 atic Plant n Sulfide (Rhizosph e of Reduc on Reduc con R	ves (B9) 3) s (B14) Ddor (C1 eres on tion in Ti (C7) a (D9) emarks) cemarks) nches):) Living Ro (C4) illed Soils	Hydric So bots (C3) s (C6)	Secondar Surfa Drain Dry-S Crayf Satur Stunt Geon FAC-	y Indicators ce Soil Crac age Patterns eason Wate ish Burrows ation Visible ed or Stress horphic Posit Neutral Test	Yes (minimum of ks (B6) s (B10) r Table (C2) (C8) on Aerial Im- ed Plants (D ² (D5) (D5)	No
Type: Depth (inc emarks: crosby silt loa YDROLOO YDROLOO Vetland Hyd <u>trimary Indica</u> Surface W High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundation Sparsely V ield Observ Surface Wate Vater Table F saturation Pre	CrA) is not rated am (CrA) is not rated GY rology Indicators: ators (minimum of or /ater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) n Visible on Aerial In /egetated Concave ations: r Present? Yes esent? Yes	as a hydr	red; check all tha water-St Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc 7) Gauge or 38) Other (E) No X No X No X	t apply) ained Lea Fauna (B1 atic Plant o Sulfide (Rhizosph of Reduc on Reduc con Reduc con Reduc r Well Dat cylain in R Depth (ii Depth (ii	ves (B9) 3) s (B14) Ddor (C1 eres on ced Iron tion in Ti c(C7) a (D9) temarks) nches):) Living Ro (C4) illed Soils	Hydric So bots (C3) s (C6) Wetland	Secondar Surfa Drain Dry-S Crayf Saturt Stunt Geon FAC-	y Indicators ce Soil Crac age Patterns eason Wate ish Burrows ation Visible ed or Stress horphic Posit Neutral Test	Yes (minimum of ks (B6) s (B10) r Table (C2) (C8) on Aerial Im- ed Plants (D2) (C5) (D5)	No
Type: Depth (inc emarks: crosby silt loa YDROLOO Vetland Hyd Vetland Hyd Vetland Hyd Saurface W Saturation Algal Mat Iron Depo Algal Mat Iron Depo Sparsely V ield Observ vater Table F caturation Pre caturation Pre	CrA) is not rated GY rology Indicators: ators (minimum of or /ater (A1) er Table (A2) 1 (A3) rks (B1) Deposits (B2) osits (B3) or Crust (B4) sits (B5) 1 Visible on Aerial In /egetated Concave ations: r Present? Yes Present? Yes Present? Yes Present? Yes Present? Yes Present? Yes Present? Yes	as a hydr	ric soil. red; check all tha Water-St Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc 7) Gauge or 38) Other (E) No X No X No X No X	t apply) ained Lea Fauna (B1 atic Plant on Sulfide (Rhizosph e of Reduc on Reduc on Reduc con R	ves (B9) 3) s (B14) Odor (C1 eres on tion in Ti (C7) a (D9) temarks) nches): nches): nches):) Living Ro (C4) illed Soils	Hydric So bots (C3) s (C6) Wetland	Secondar Surfa Drain Dry-S Crayf Satur Stunt Geon FAC-	<u>y Indicators</u> ce Soil Crac age Patterns eason Wate ish Burrows ation Visible ed or Stress norphic Posit Neutral Test	Yes (minimum of ks (B6) s (B10) r Table (C2) (C8) on Aerial Im- ed Plants (D2) (D5) (D5) Yes	No two require agery (C9))
Type: Depth (inc Remarks: Crosby silt loa YDROLOO Vetland Hyd Primary Indica Surface W Saturation Water Ma Sediment Nater Ma Sediment Nater Ma Sediment Nater Ma Sediment Nater Ma Sediment Nater Ma Nater Ma 	ches): am (CrA) is not rated GY rology Indicators: ators (minimum of or /ater (A1) er Table (A2) a (A3) rks (B1) Deposits (B2) osits (B3) or Crust (B4) sits (B5) a Visible on Aerial In Vegetated Concave ations: r Present? Yes essent? Yes llary fringe) orded Data (stream of the second orded Data (stream of the second term of term of the second term of term of term of term of term term of term of term of term of term of term term of term of term term of term	as a hydr	ric soil. red; check all tha Water-St Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc 7) Gauge of 38) Other (E) No X No X No X No X No X	t apply) ained Lea Fauna (B1 atic Plant on Sulfide C Rhizosph of Reduc on Reduc con Re	ves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron tion in Ti (C7) a (D9) a (D9) a (D9) cemarks) nches): nches): nches):) Living Ro (C4) illed Soils	Hydric So bots (C3) s (C6) Wetland	Secondar Surfa Drain Dry-S Crayf Satur Stunt Geon FAC-	? y Indicators ce Soil Crac age Patterns eason Wate ish Burrows ation Visible ed or Stress norphic Posit Neutral Test y Present?	Yes (minimum of ks (B6) s (B10) r Table (C2) (C8) on Aerial Im- ed Plants (D ² (D5) (D5)	No two requir agery (C9))

Project/Site: Parks at Decatur		City/Cou	nty: Camby/	/Marion	Sampling Dat	e: <u>3/24/2021</u>	
Applicant/Owner: Chris McKinney/D.R. Horton				State: IN	Sampling Poir	nt: 2	
Investigator(s): John Dixon, Matt Buck		Section, 7	Γownship, Ra	ange: S22 T14N R2E			
Landform (hillside, terrace, etc.): Berm		r	Local relief (c	concave, convex, none):	Convex		_
Slope (%): <u>8-9</u> Lat: <u>39.63429°N</u>		Long: ()8 <u>6.29</u> 237°W	!	Datum: WGS 84	4	
Soil Map Unit Name: Miami silt loam (MxD2), 12 to 18	percent slop	es, eroded		NWI classif	ication:		
Are climatic / hydrologic conditions on the site typical	for this time c	of year?	Yes X	No (If no, exp	lain in Remarks	5.)	
Are Vegetation , Soil, or Hydrology	significantly	disturbed? /	Are "Normal C	Circumstances" present?	Yes X	No	
Are Vegetation _, Soil, or Hydrology	naturally pro ^r	blematic? (If needed, ex	plain any answers in Rei	marks.)		
SUMMARY OF FINDINGS – Attach site m	ap showir	ng samplir	ng point lo	ocations, transects	, important f	features, etc	c.
Hydrophytic Vegetation Present? Yes N Hydric Soil Present? Yes N Wetland Hydrology Present? Yes N	o X o X lo X	Is the within	Sampled Ain a Wetland	rea ? Yes	No <u>X</u>		
Remarks:							
VEGETATION – Use scientific names of pla	ants.						
Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wor	ksheet:		
1. Carya ovata	5	Yes	FACU	Number of Dominant	Species That		
2. Liriodendron tulipifera	5	Yes	FACU	Are OBL, FACW, or F	AC:	0(A)	
3				Total Number of Domi	inant Species		
4				Across All Strata:		9 (B)	
5.	10	=Total Cover		Percent of Dominant S Are OBL, FACW, or F	Species That AC:	0.0% (A/E	3)
Sapling/Shrub Stratum (Plot size: 15)	Vee	FACU	Descelance Index we	-laboot.		
JUniperus virginiaria Purus callervana	10	Yes		Total % Cover of	•rksneet: • Mult	inly hy	
3. Morus rubra	5	Yes	FACU	OBL species 0	x 1 =	0	
4.				FACW species 0	x 2 =	0	
5.				FAC species 0	x 3 =	0	
	25	=Total Cover		FACU species 12	5 x 4 =	500	
Herb Stratum (Plot size: 5')				UPL species 10) x 5 =	50	
1. Solidago canadensis	30	Yes	FACU	Column Totals: 13	<u>5</u> (A)	550 (B)	
2. Andropogon virginicus	20	Yes	FACU	Prevalence Index =	= B/A =4	1.07	
3. Festuca pratensis	20	Yes	FACU		· · · · ·		
4. Symphyotrichum ericoides	10	No	FACU	Hydrophytic Vegetat	ion Indicators:	1-1	
5					Hydropnytic ve	getation	
6					ST IS > 50%		
γ Ω				4 - Morphological	Iex is ≤0.0 Adaptations ¹ (P	Provide supporti	ina
9.				data in Remark	is or on a separa	ate sheet)	ця
10.				Problematic Hydro	ophytic Vegetati	ion ¹ (Explain)	
Woody Vine Stratum (Plot size: 15'	80	=Total Cover		¹ Indicators of hydric so be present. unless dis	oil and wetland l	hydrology must	t
1. Rosa multiflora	20	Yes	FACU	Hydrophytic			
	20	=Total Cover		Vegetation Present? Yes	No	х	ļ

	Mathy	·	Redox	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rema	rks
0-4	10YR 4/4	100					Loamy/Clayey		
4-16	7.5YR 4/4	95	10YR 5/4	5	С	М	Loamy/Clayey		
		·							
								·	
1		· ·						. <u> </u>	
'Type: C=C	oncentration, D=Dep	letion, RM	=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains	Locatio	on: PL=Pore Lining, M=	Matrix.
Hydric Soli	Indicators:		Sandy Cla	und Mat	riv (C 4)		Indicat	ors for Problematic Hy	/dric Solis*:
HISTOSOI	(A1)		Sandy Gle	yed Mat	fix (54)			AST Prairie Redox (A16)	=1-2)
	A_{2}		Sanuy Red	JOX (SS) Intriv (Sf	2)		II0I	I-Manganese Masses (I	-12)
	SUC(AS)		Supped M	aux (30	5)			y Shallow Dark Surface	(E22)
Hydroge Stratifior				ce (57)	orol (E1)			y Shallow Dark Surface	(FZZ)
2 cm Mu	Layers(A3)				triv $(E2)$		0)
	H Below Dark Surface	- (Δ11)	Depleted N	/atrix (F	3)				
Depicted	ark Surface (A12)	, (, (, 1))	Bedox Dar	k Surfac	c) ce (F6)		³ Indicat	ors of hydrophytic yeae	tation and
Sandy M	lucky Mineral (S1)		Depleted F)ark Sur	face (F7)		We	land hydrology must be	present.
5 cm Mu	icky Peat or Peat (S3	3)	Redox Der	pression	s (F8)		unl	ess disturbed or probler	natic.
Restrictive	Laver (if observed):								
Type:									
Type: Depth (ir Remarks: Miami silt loa	nches): am (MxD2) is not rate	∋d as a hyc	dric soil.				Hydric Soil Prese	nt? Yes_	No
Type: Depth (ir Remarks: Miami silt loa	nches):	ed as a hyd	dric soil.				Hydric Soil Prese	nt? Yes_	<u>No</u>
Type: Depth (ir Remarks: Miami silt loa	nches): am (MxD2) is not rate	ed as a hyd	dric soil.				Hydric Soil Prese	nt? Yes_	No
Type: Depth (in Remarks: Miami silt loa HYDROLC Wetland Hy	nches): am (MxD2) is not rate DGY drology Indicators:	ed as a hyd	dric soil.				Hydric Soil Prese	nt? Yes_	No
Type: Depth (ir Remarks: Miami silt loa HYDROLO Wetland Hy Primary India	nches): am (MxD2) is not rate DGY drology Indicators: cators (minimum of c	ed as a hyd	dric soil.	apply)			Hydric Soil Prese	nt? Yes_	No
Type: Depth (ir Remarks: Miami silt loa HYDROLC Wetland Hy Primary India Surface	nches): am (MxD2) is not rate DGY drology Indicators: cators (minimum of c Water (A1)	ed as a hyd	dric soil.	apply) ned Lea	ives (B9)		Hydric Soil Prese	nt? Yes_	No
Type: Depth (ir Remarks: Miami silt loa HYDROLC Wetland Hy Primary India Surface High Wa	nches): am (MxD2) is not rate DGY drology Indicators: cators (minimum of c Water (A1) ater Table (A2)	ed as a hyd	dric soil. <u>ired; check all that a</u> <u>Water-Stai</u> <u>A</u> quatic Fa	apply) ned Lea una (B1	ives (B9) 3)		Hydric Soil Prese	ary Indicators (minimur face Soil Cracks (B6) inage Patterns (B10)	n of two require
Type: Depth (ir Remarks: Miami silt loa HYDROLC Wetland Hy Primary India Surface High Wa Saturatio	am (MxD2) is not rate OGY drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larke (B1)	ed as a hyd	ired; check all that a Water-Stai Aquatic Fa True Aquat	apply) ned Lea una (B1 tic Plant	aves (B9) 3) s (B14)		Hydric Soil Prese	nt? Yes	No
Type: Depth (ir Remarks: Miami silt loa HYDROLC Wetland Hy Primary India Surface High Wa Saturatio Water M	Anches): am (MxD2) is not rate DGY drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) th Deposite (B2)	ed as a hyd	ired; check all that a Water-Stai Aquatic Fa True Aquat Hydrogen S	apply) ined Lea iuna (B1 tic Plant Sulfide (ives (B9) 3) s (B14) Ddor (C1) iving P/	Hydric Soil Prese	ary Indicators (minimur face Soil Cracks (B6) inage Patterns (B10) -Season Water Table (i yfish Burrows (C8)	n of two require
Type: Depth (ir Remarks: Miami silt loa HYDROLC Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Der	Anches): am (MxD2) is not rate DGY drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3)	ed as a hyd	dric soil. <u>ired; check all that a</u> Water-Stai Aquatic Fa True Aquat Hydrogen S Oxidized R Presence of	apply) ned Lea una (B1 tic Plant Sulfide (thizosph of Reduc	ives (B9) 3) s (B14) Ddor (C1 ieres on l) Living Ro	Hydric Soil Prese	ary Indicators (minimum face Soil Cracks (B6) inage Patterns (B10) -Season Water Table (i yfish Burrows (C8) uration Visible on Aeria nted or Stressed Plants	n of two require
Type: Depth (ir Remarks: Miami silt loa HYDROLC Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma	Anches): am (MxD2) is not rate DGY drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)	ed as a hyd	ired; check all that a Water-Stai Aquatic Fa True Aquat Hydrogen S Oxidized R Presence o Recent Iro	apply) ned Lea una (B1 tic Plant Sulfide (hizosph of Reduc	ives (B9) 3) s (B14) Ddor (C1 ieres on l ced Iron i ction in Ti) Living Ro (C4)	Hydric Soil Prese	ary Indicators (minimum face Soil Cracks (B6) inage Patterns (B10) -Season Water Table (i yfish Burrows (C8) uration Visible on Aeria nted or Stressed Plants	n of two require C2) I Imagery (C9)
Type: Depth (ir Remarks: Miami silt loa HYDROLO Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep	am (MxD2) is not rate am (MxD2) is not rate DGY drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) at Deposits (B2) posits (B3) at or Crust (B4) posits (B5)	ed as a hyd	ired; check all that a Water-Stai Aquatic Fa True Aquat Hydrogen S Oxidized R Presence o Recent Irou Thin Muck	apply) ined Lea iuna (B1 tic Plant Sulfide (thizosph of Reduc n Reduc Surface	aves (B9) 3) s (B14) Odor (C1 leres on l ced Iron (ction in Ti e (C7)) Living Ro (C4) Iled Soil	Hydric Soil Prese Second Second Dra Dra Dry Dots (C3) Sat Stu Stu Stu Stu Stu Stu	ary Indicators (minimum face Soil Cracks (B6) inage Patterns (B10) -Season Water Table ((yfish Burrows (C8) uration Visible on Aeria nted or Stressed Plants pmorphic Position (D2) C-Neutral Test (D5)	n of two require C2) I Imagery (C9) 5 (D1)
Type: Depth (ir Remarks: Miami silt loa HYDROLC Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatio	Anches): am (MxD2) is not rate DGY drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) oosits (B3) at or Crust (B4) oosits (B5) on Visible on Aerial II	ed as a hyd ne is requ	ired; check all that a Water-Stai Aquatic Fa True Aquat Hydrogen S Oxidized R Presence o Recent Iron Thin Muck 7) Gauge or V	apply) ined Lea una (B1 tic Plant Sulfide (hizosph of Reduc n Reduc Surface Well Dat	ives (B9) 3) s (B14) Ddor (C1 ieres on l ced Iron (ction in Ti e (C7) a (D9)) Living Ro (C4) Iled Soil	Hydric Soil Prese Second Sui Dra Dra Dry Cra Sots (C3) Sai Stu S (C6) Ge FA	ary Indicators (minimum face Soil Cracks (B6) inage Patterns (B10) -Season Water Table (i yfish Burrows (C8) uration Visible on Aeria need or Stressed Plants pmorphic Position (D2) C-Neutral Test (D5)	n of two require C2) I Imagery (C9) 5 (D1)
Type: Depth (ir Remarks: Miami silt loa HyDROLC Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatio Sparsely	Anches): am (MxD2) is not rate DGY drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial In v Vegetated Concave	ed as a hyd ne is requ nagery (B' Surface (I	dric soil. <u>ired; check all that a</u> Water-Stai Aquatic Fa True Aquat Hydrogen S Oxidized R Presence o Recent Iron Thin Muck 7) Gauge or V B8) Other (Exp	apply) ned Lea una (B1 tic Plant Sulfide (thizosph of Reduc n Reduc Surface Well Dat lain in F	aves (B9) 3) s (B14) Odor (C1 eres on l ced Iron (ction in Ti e (C7) a (D9) Remarks)) Living Ro (C4) Illed Soil	Hydric Soil Prese Second Sui Dra Dra Dry Cra bots (C3) Sai Stu s (C6) EA	ary Indicators (minimum face Soil Cracks (B6) inage Patterns (B10) -Season Water Table (f yfish Burrows (C8) uration Visible on Aeria nted or Stressed Plants omorphic Position (D2) C-Neutral Test (D5)	n of two require C2) I Imagery (C9) ; (D1)
Type: Depth (ir Remarks: Miami silt loa HyDROLC Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatio Sparsely	am (MxD2) is not rate am (MxD2) is not rate DGY drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial II v Vegetated Concave vations:	ed as a hyd me is requ nagery (B' Surface (I	dric soil. <u>ired: check all that a</u> Water-Stai Aquatic Fa True Aquat Hydrogen S Oxidized R Presence of Recent Iron Thin Muck 7) Gauge or V B8) Other (Exp	apply) ned Lea una (B1 tic Plant Sulfide (thizosph of Reduc Sulface Nell Dat lain in F	aves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron (ction in Ti ction in Ti cti) Living Ro (C4) Iled Soil	Hydric Soil Prese	ary Indicators (minimum face Soil Cracks (B6) inage Patterns (B10) -Season Water Table (f yfish Burrows (C8) uration Visible on Aeria nted or Stressed Plants omorphic Position (D2) C-Neutral Test (D5)	n of two require C2) I Imagery (C9) ; (D1)
Type: Depth (ir Remarks: Miami silt loa HYDROLC Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatio Sparsely Field Obser Surface Wat	Arright Stress (B2) Arright Stress (B3) Arright Stress (B4) Arright S	ed as a hyd one is requ magery (B [*] Surface (I	dric soil. ired: check all that a Water-Stai Aquatic Fa True Aquai Hydrogen S Oxidized R Presence o Recent Iron Thin Muck 7) Gauge or V B8) Other (Exp	apply) ined Lea iuna (B1 tic Plant Sulfide (chizosph of Reduc n Reduc Surface Well Dat ilain in F	aves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron (tition in Ti e (C7) a (D9) Remarks) nches):) Living Ro (C4) Iled Soil	Hydric Soil Prese	ary Indicators (minimum face Soil Cracks (B6) inage Patterns (B10) -Season Water Table ((yfish Burrows (C8) uration Visible on Aeria nted or Stressed Plants pmorphic Position (D2) C-Neutral Test (D5)	n of two require C2) I Imagery (C9) 5 (D1)
Type: Depth (in Remarks: Miami silt loa HYDROLC Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatio Sparsely Field Obser Surface Wat	Anches): am (MxD2) is not rate OGY drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) at Deposits (B2) bosits (B3) at or Crust (B4) bosits (B5) on Visible on Aerial In / Vegetated Concave vations: ter Present? Ye	ed as a hyd <u>me is requ</u> <u>surface (l</u> s	dric soil. ired; check all that a Water-Stai Aquatic Fa True Aquai Hydrogen S Oxidized R Presence o Recent Iron Thin Muck 7) Gauge or V B8) Other (Exp No X	apply) ined Lea una (B1 tic Plant Sulfide (thizosph of Reduc n Reduc Surface Vell Dat lain in F Depth (i Depth (i	ives (B9) 3) s (B14) Ddor (C1 eres on l ced Iron (ction in Ti ction in Ti (C7) a (D9) Remarks) a (D9) nches): _ nches):) Living Ra (C4) Illed Soil	Hydric Soil Prese	ary Indicators (minimum face Soil Cracks (B6) inage Patterns (B10) -Season Water Table (f yfish Burrows (C8) uration Visible on Aeria nted or Stressed Plants omorphic Position (D2) C-Neutral Test (D5)	n of two require C2) I Imagery (C9) ; (D1)
Type: Depth (ir Remarks: Miami silt loa HYDROLC Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatio Sparsely Field Obser Surface Wate Water Table Saturation P	Arrow (MxD2) is not rate Arrow (MxD2) is not rate Arrow (MxD2) is not rate DGY drology Indicators: cators (minimum of co Water (A1) ater Table (A2) box (A3) larks (B1) at or Crust (B4) box (B3) at or Crust (B4) box (B5) box (B5) bo	ed as a hyd one is requ magery (B' Surface (I ssss	dric soil. <u>ired; check all that a</u> Water-Stai Aquatic Fa True Aquai Hydrogen 3 Oxidized R Presence of Recent Irou Thin Muck 7) Gauge or V B8) Other (Exp No X No X	apply) ned Lea una (B1 tic Plant Sulfide (thizosph of Reduc n Reduc Surface Vell Dat lain in F Depth (i Depth (i	aves (B9) 3) s (B14) Odor (C1 eres on l ced Iron (ction in Ti e (C7) a (D9) Remarks) a (D9) Remarks): nches): _ nches):) Living Rd (C4) Iled Soil	Hydric Soil Prese	nt? Yes	n of two require C2) I Imagery (C9) ; (D1)
Type: Depth (ir Remarks: Miami silt loa High Wa Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatii Sparsely Field Obser Surface Wate Water Table Saturation P (includes ca	Anches): am (MxD2) is not rate DGY drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) at or Crust (B4) posits (B5) on Visible on Aerial II v Vegetated Concave vations: ter Present? Ye iresent? Ye pillary fringe)	ed as a hyd me is requ magery (B' Surface (I s s s s	dric soil. ired; check all that a Water-Stai Aquatic Fa True Aquat Hydrogen S Oxidized R Presence o Recent Iron Thin Muck 7) Gauge or V B8) Other (Exp No X No X No X	apply) ined Lea iuna (B1 tic Plant Sulfide (thizosph of Reduc n Reduc Surface Vell Dat Jain in F Depth (i Depth (i	aves (B9) 3) s (B14) Ddor (C1 leres on l ced Iron (tion in Ti e (C7) a (D9) Remarks) nches): nches):) Living Ro (C4) Iled Soil	Hydric Soil Prese	nt? Yes	No n of two require C2) I Imagery (C9) 5 (D1) No
Type: Depth (in Remarks: Miami silt loa HYDROLC Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatia Sparsely Field Obser Surface Wat Water Table Saturation P (includes ca Describe Re	Arrow (MxD2) is not rate Arrow (MxD2) is not rate (MxD2) is not rate	magery (B [*] S S gauge, mo	dric soil. ired; check all that a Water-Stai Aquatic Fa True Aqua Hydrogen S Oxidized R Presence o Recent Iron Thin Muck 7) Gauge or W B8) Other (Exp No X No X No X No X No X No X	apply) ined Lea una (B1 tic Plant Sulfide (thizosph of Reduc n Reduc Surface Well Dat Jain in F Depth (i Depth (i Depth (i	ives (B9) 3) s (B14) Odor (C1 ieres on l ced Iron (tion in Ti e (C7) a (D9) Remarks) a (D9) Remarks):) Living Ro (C4) Iled Soil	Hydric Soil Prese	nt? Yes	No n of two require C2) I Imagery (C9) 5 (D1) No
Type: Depth (iri Remarks: Miami silt loa HYDROLC Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatio Sparsely Field Obser Surface Wat Water Table Saturation P (includes ca Describe Re	Arches): am (MxD2) is not rate Arches): am (MxD2) is not rate DGY drology Indicators: cators (minimum of consecutive Water (A1) atter Table (A2) box (A3) larks (B1) att Deposits (B2) box (B3) att or Crust (B4) box (B5) box Visible on Aerial In r Vegetated Concave vations: ter Present? Ye Present? Ye pillary fringe) corded Data (stream	magery (B ¹) Surface (I S S S S gauge, mo	dric soil. <u>ired; check all that a</u> Water-Stai Aquatic Fa True Aqua Hydrogen S Oxidized R Presence of Recent Iron Thin Muck 7) Gauge or W B8) Other (Exp No X No X No X No X No X	apply) ined Lea una (B1 tic Plant Sulfide (thizosph of Reduc Surface Vell Dat lain in F Depth (i Depth (i Depth (i	ives (B9) 3) s (B14) Ddor (C1 eres on l ced Iron (ction in Ti (C7) a (D9) Remarks) nches): nches): nches): , previou) Living Ro (C4) Iled Soil	Hydric Soil Prese	nt? Yes	No

Project/Site: Parks at Decatur		City/Cou	nty: Camby	Marion	Sampling Date	e: <u>3/24/2021</u>
Applicant/Owner: Chris McKinney/D.R. Horton				State: IN	Sampling Poin	it: <u>3</u>
Investigator(s): John Dixon, Matt Buck		Section, T	Township, Ra	ange: S22 T14N R2E		
Landform (hillside, terrace, etc.): Ridge		I	Local relief (concave, convex, none):	Linear	
Slope (%): 16 Lat: 39.63470°N		Long: 0)86.29192°W	,	Datum: WGS 84	ļ
Soil Map Unit Name: Miami silt loam (MmC2), 6 to 12	percent slop	es, eroded		NWI class	ification:	
Are climatic / hydrologic conditions on the site typical f	or this time of	of vear?	Yes X	No (If no. ex	plain in Remarks	.)
Are Vegetation , Soil , or Hydrology	significantly	disturbed? A	Are "Normal (Circumstances" present	Yes X	No
Are Vegetation Soil or Hydrology	naturally pro	blematic? (lf needed, ex	olain any answers in Re	marks.)	
SUMMARY OF FINDINGS – Attach site m	an showi	na samplin	a point la	cations transacts	important f	osturos otc
			ig point ic			
Hydrophytic Vegetation Present? Yes No	<u>х</u>	Is the	Sampled A	rea		
Hydric Soil Present? Yes No	<u>х</u>	within	n a Wetland	? Yes	<u>No X</u>	
Wetland Hydrology Present? Yes No	о <u> Х </u>					
Remarks: This is a typical ridge along Stream Unit 1						
This is a typical huge along Stream Onic 1.						
VEGETATION – Use scientific names of pla	ints.					
· · · · ·	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wo	rksheet:	
1. Fagus granditolia	10	Yes	FACU	Number of Dominant	Species That	1 (A)
2. Emoderation tumpreta		No		Are OBL, FACW, or I	-AC:	(A)
Celtis occidentalis	5	No	FAC	Lotal Number of Dom Across All Strata:	linant Species	7 (B)
5.				Percent of Dominant	Species That	(=)
	30	=Total Cover		Are OBL, FACW, or I	FAC:	14.3% (A/B)
Sapling/Shrub Stratum (Plot size: 15')					
1. Fagus grandifolia	20	Yes	FACU	Prevalence Index w	orksheet:	
2. Lonicera morrowii	20	Yes	FACU	Total % Cover o	f: Multi	ply by:
3. Prunus serotina	10	No	FACU	OBL species	<u>)</u> x 1 =	0
4. Liriodendron tulipitera	10	No	FACU	FACW species 1	$\frac{0}{2}$ x 2 =	20
			FAC	FAC species	$\frac{0}{15}$ x 4 -	460
Herb Stratum (Plot size: 5')				UPL species	$\frac{15}{2}$ x 5 =	0
1. Dactylis glomerata	20	Yes	FACU	Column Totals: 1	35 (A)	510 (B)
2. Elymus villosus	10	Yes	FACU	Prevalence Index	= B/A = 3	.78
3						
4				Hydrophytic Vegeta	tion Indicators:	
5				1 - Rapid Test fo	r Hydrophytic Veo	jetation
6				2 - Dominance T	est is >50%	
/				3 - Prevalence In	dex is $\leq 3.0^{\circ}$	ovido ou poortir
o 9.				data in Remar	ks or on a separa	ite sheet)
10				Problematic Hyd	rophytic Vegetatio	on ¹ (Explain)
	30	=Total Cover	-	¹ Indicators of hydric s	oil and wetland h	ydrology must
<u>Woody Vine Stratum</u> (Plot size: <u>15'</u>)	V.		be present, unless di	sturbed or proble	natic.
1. <u>vius riparia</u> 2	10	res	FACW	Hydrophytic		
<u> </u>	10	=Total Cover		Vegetation Present? Yes	No	х
				103	```	<u> </u>

•	Iviatity		Redo	x Featur	85			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-7	10YR 4/4	100					Loamy/Clayey	
7-16	7.5YR 4/4	90	10YR 5/4	5	С	М	Loamy/Clayey	
			10YR 5/6	5	С	М		
			101110,0					
							·	
Type: C=C	oncentration, D=Dep	letion, RM	=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.	² Location:	PL=Pore Lining, M=Matrix.
lydric Soil	Indicators:						Indicators	s for Problematic Hydric Soils ³ :
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)		Coast	Prairie Redox (A16)
Histic Ep	oipedon (A2)		Sandy Red	dox (S5)			Iron-M	langanese Masses (F12)
Black Hi	stic (A3)		Stripped N	latrix (S6	6)		Red P	arent Material (F21)
Hydroge	n Sulfide (A4)		Dark Surfa	ace (S7)			Very S	Shallow Dark Surface (F22)
Stratified	l Layers (A5)		Loamy Mu	cky Mine	eral (F1)		Other	(Explain in Remarks)
2 cm Mu	ıck (A10)		Loamy Gle	eyed Mat	rix (F2)			
Depleted	d Below Dark Surface	e (A11)	Depleted N	Matrix (F	3)			
Thick Da	ark Surface (A12)		Redox Dar	k Surfac	e (F6)		³ Indicators	of hydrophytic vegetation and
Sandy N	lucky Mineral (S1)		Depleted [Dark Sur	face (F7))	wetlar	nd hydrology must be present,
5 cm Mu	icky Peat or Peat (S3	3)	Redox Dep	pression	s (F8)		unless	s disturbed or problematic.
Postriativa								
resulture	Layer (if observed):							
Type:	Layer (if observed):							
Type: Depth (ir Remarks: Miami silt loa	Layer (if observed):	ed as a hy	/dric soil.				Hydric Soil Present?	Yes No
Type: Depth (ir Remarks: Miami silt loa	Layer (if observed):	ed as a hy	/dric soil.				Hydric Soil Present?	? Yes No
Type:	Layer (if observed): hches): am (MmC2) is not rat	ed as a hy	/dric soil.				Hydric Soil Present?	? Yes No
Type: Depth (ir Remarks: Miami silt loa	Layer (if observed): nches): am (MmC2) is not rat DGY drology Indicators:	ed as a hy	/dric soil.				Hydric Soil Present?	Yes No
Type: Depth (ir Remarks: Jiami silt loa YDROLC Vetland Hy Primary India	Layer (if observed): nches): am (MmC2) is not rat DGY drology Indicators: cators (minimum of c	red as a hy	/dric soil.	apply)			Hydric Soil Present?	Yes No
Type: Depth (ir Remarks: Mami silt loa YDROLC Vetland Hy Primary India Surface	Layer (if observed): nches): am (MmC2) is not rat OGY drology Indicators: cators (minimum of c Water (A1)	ed as a hy	/dric soil. ired; check all that i	apply)	ves (B9)		Hydric Soil Present?	Yes No No
Type: Depth (ir Remarks: Miami silt loa YDROLC Vetland Hy Primary India Surface High Wa	Ager (if observed): anches): am (MmC2) is not rat OGY drology Indicators: cators (minimum of c Water (A1) iter Table (A2)	ed as a hy	/dric soil. ired: check all that a Water-Stai Aquatic Fa	apply) ined Lea	ves (B9) 3)		Hydric Soil Present?	Yes No No //
Type: Depth (ir Remarks: Jiami silt loa YDROLC Yetland Hy Primary India Surface High Wa Saturatio	Layer (If observed): Inches): am (MmC2) is not rat DGY drology Indicators: cators (minimum of c Water (A1) Iter Table (A2) on (A3)	ed as a hy	ired; check all that in the second se	apply) ined Lea auna (B1 tic Plant	ves (B9) 3) s (B14)		Hydric Soil Present?	Yes No VIndicators (minimum of two requires Soil Cracks (B6) age Patterns (B10) eason Water Table (C2)
YDROLC YDROLC Vetland Hy Primary India Surface High Wa Saturatic Water M	Layer (if observed): anches): am (MmC2) is not rat DGY drology Indicators: cators (minimum of c Water (A1) atter Table (A2) on (A3) larks (B1)	ed as a hy	ired; check all that i Water-Stai Aquatic Fa True Aqua Hydrogen	apply) ined Lea auna (B1 tic Plant Sulfide (ves (B9) 3) s (B14) Ddor (C1))	Hydric Soil Present?	Yes No VIndicators (minimum of two requires Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8)
Type: Depth (ir Remarks: Aiami silt loa YDROLC Yetland Hy Primary India Surface High Wa Saturatic Water M Sedimer	Layer (if observed): Inches): am (MmC2) is not rate DGY drology Indicators: cators (minimum of c Water (A1) iter Table (A2) on (A3) larks (B1) it Deposits (B2)	ed as a hy	/dric soil. ired: check all that is Water-Stai Aquatic Fa Aquatic Fa True Aqua Hydrogen Oxidized Fa	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph	ves (B9) 3) s (B14) Ddor (C1) eres on I) Living Ro	Hydric Soil Present?	Yes No VIndicators (minimum of two requires the Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9)
Yppe: _ Depth (ir Remarks: Miami silt loa YDROLC Yetland Hy Primary India Surface High Wa Saturatic Water M Sedimer Drift Dep	Ager (if observed): anches): am (MmC2) is not rat OGY drology Indicators: cators (minimum of c Water (A1) atter Table (A2) on (A3) larks (B1) at Deposits (B2) posits (B3)	ed as a hy	/dric soil. ired; check all that i Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized R Presence o	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc	ves (B9) 3) s (B14) Ddor (C1) eres on L ced Iron () Living Ro	Hydric Soil Present?	Yes No // Indicators (minimum of two requires the Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9) and or Stressed Plants (D1)
Type: Depth (ir Remarks: Jiami silt loa YDROLC YDROLC Vetland Hy Primary India Surface High Wa Saturatic Water M Sedimer Drift Dep Algal Ma	Ager (if observed): anches): am (MmC2) is not rat OGY drology Indicators: cators (minimum of c Water (A1) tter Table (A2) on (A3) larks (B1) at Deposits (B2) posits (B3) at or Crust (B4)	ed as a hy	ired; check all that i Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized Fa Presence o Recent Iro	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc	ves (B9) 3) s (B14) Ddor (C1) eres on l ced Iron (tion in Ti) Living Ro (C4) Illed Soil:	Hydric Soil Present?	Yes No Yes No Yes No Yes No Yes Soil Cracks (B6) Age Patterns (B10) Pason Water Table (C2) Sh Burrows (C8) Ation Visible on Aerial Imagery (C9) ation Visible on Aerial Imagery (C9) No No No No No No No No No No
YDROLC YDROLC YDROLC YDROLC YURANA YDROLC Yetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep	Layer (if observed): Inches): am (MmC2) is not rate OGY drology Indicators: cators (minimum of c Water (A1) tter Table (A2) on (A3) larks (B1) tt Deposits (B2) posits (B3) tt or Crust (B4) posits (B5)	ed as a hy	ired; check all that i Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized R Presence o Recent Iro Thin Muck	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface	ves (B9) 3) s (B14) Ddor (C1) eres on I ced Iron (tion in Ti (C7)) Living Ro (C4) Iled Soil:	Hydric Soil Present?	P Yes No V Indicators (minimum of two requires the Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9) ed or Stressed Plants (D1) orphic Position (D2) Neutral Test (D5)
Type: Depth (ir Remarks: Mami silt loa YDROLC Yetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatio	Layer (if observed): am (MmC2) is not rat DGY drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) at Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial In	ne is requ	/dric soil. ired; check all that a Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized R Presence a Recent Iro Thin Muck 7) Gauge or V	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat	ves (B9) 3) s (B14) Ddor (C1) eres on I ced Iron (tion in Ti c(C7) a (D9)) Living Ro (C4) Iled Soil:	Hydric Soil Present?	Yes No No Yes No Indicators (minimum of two requires Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9 ed or Stressed Plants (D1) orphic Position (D2) Neutral Test (D5)
Type: Depth (ir Remarks: Jiami silt loa YDROLC Yetland Hy Primary India Surface High Wa Saturatic Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatic Sparsely	Ager (if observed): am (MmC2) is not rat am (MmC2) is not rat DGY drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) at Deposits (B2) oosits (B3) at or Crust (B4) iosits (B5) on Visible on Aerial In v Vegetated Concave	ed as a hy one is requ magery (B	/dric soil. ired: check all that i Water-Stai Aquatic Fa Aquatic Fa Oxidized R Presence o Recent Iro Thin Muck 7) Gauge or V B8) Other (Exp	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat olain in R	ves (B9) 3) s (B14) Ddor (C1) eres on L ced Iron (tion in Ti (C7) a (D9) emarks)) Living Ro (C4) Iled Soil:	Hydric Soil Present?	Yes No // Indicators (minimum of two requires the Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9) ed or Stressed Plants (D1) orphic Position (D2) Neutral Test (D5)
Type: Depth (ir Remarks: Jiami silt loa YDROLC Yetland Hy Primary India Surface High Wa Saturatic Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatic Sparsely	Layer (if observed): Inches): am (MmC2) is not rate OGY drology Indicators: cators (minimum of c Water (A1) iter Table (A2) on (A3) larks (B1) it Deposits (B2) posits (B3) it or Crust (B4) iosits (B5) on Visible on Aerial In v Vegetated Concave vations:	ne is requ	/dric soil. ired; check all that i Water-Stai Aquatic Fa Aquatic Fa True Aqua Hydrogen Oxidized R Presence o Recent Iro Thin Muck 7) Gauge or V B8) Other (Exp	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat blain in R	ves (B9) 3) s (B14) Ddor (C1) eres on I ced Iron (tion in Ti (C7) a (D9) temarks)) Living Ro (C4) Iled Soil:	Hydric Soil Present?	Yes No VINCENT No VINCENT No No VINCENT No No VINCENT No No VINCENT No No VINCENT No No VINCENT No No No VINCENT No No VINCENT No No No No No No No No No No No No No
Type: Depth (ir Remarks: Jiami silt loa YDROLC Vetland Hy Primary India Surface High Wa Saturatic Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatic Sparsely Field Obser	Layer (if observed): anches): am (MmC2) is not rat OGY drology Indicators: cators (minimum of c Water (A1) ter Table (A2) on (A3) larks (B1) th Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial In v Vegetated Concave vations: cer Present?	magery (B	/dric soil. ired; check all that i Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized R Presence o Recent Iro Thin Muck 7) Gauge or V B8) Other (Exp	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat blain in R Depth (ii	ves (B9) 3) s (B14) Odor (C1) eres on I ced Iron (tion in Ti (C7) a (D9) temarks) cemarks):) Living Ro (C4) Iled Soil:	Hydric Soil Present?	Yes No VIndicators (minimum of two requires See Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9) ed or Stressed Plants (D1) orphic Position (D2) Neutral Test (D5)
Type: Depth (ir Remarks: Miami silt loa Market I and I and I Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatio Sparsely Field Obser Surface Wat	Layer (if observed): am (MmC2) is not rat DGY drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) at Deposits (B2) oosits (B3) at or Crust (B4) oosits (B5) on Visible on Aerial In v Vegetated Concave vations: ter Present? Ye Present? Ye	magery (B Surface (ired: check all that a Water-Stat Aquatic Fa True Aqua Hydrogen Oxidized F Presence a Recent Iro Thin Muck 7) Gauge or N B8) Other (Exp No X No X	apply) ined Lea auna (B1 tic Plant Sulfide (Sulfide (S	ves (B9) 3) s (B14) Ddor (C1) eres on I ced Iron (tion in Ti (C7) a (D9) temarks) nches):) Living Ra (C4) Iled Soil:	Hydric Soil Present?	Yes No // Indicators (minimum of two requires the Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9) ation Visible on Aerial Imagery (C
Type: Depth (ir Remarks: Mami silt loa YDROLC Yetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatio Sparsely Field Obser Surface Wate Vater Table Saturation P	Ager (if observed): am (MmC2) is not rat am (MmC2) is not rat a	magery (B S S	/dric soil. ired: check all that i Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized R Presence of Recent Iro Thin Muck 7) Gauge or V B8) Other (Exp No X No X No X	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat blain in R Depth (ii Depth (ii	ves (B9) 3) s (B14) Ddor (C1) eres on l ced Iron (tion in Ti (C7) a (D9) emarks) a (D9) emarks):) Living Ro (C4) Iled Soil:	Hydric Soil Present?	Yes No // Indicators (minimum of two requires the Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9) ad or Stressed Plants (D1) orphic Position (D2) Neutral Test (D5)
Type: Depth (ir Remarks: Miami silt loa IYDROLC Vetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatio Sparsely Field Obser Surface Wat Vater Table Saturation P	Ager (if observed): anches): am (MmC2) is not rat DGY drology Indicators: cators (minimum of c Water (A1) tter Table (A2) on (A3) larks (B1) at Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial In v Vegetated Concave vations: ter Present? Ye present? Ye resent? Ye pillary fringe)	magery (B	/dric soil. ired; check all that i Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized R Presence o Recent Iro Thin Muck 7) Gauge or V B8) Other (Exp No X No X No X No X	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat blain in R Depth (ii Depth (ii	ves (B9) 3) s (B14) Ddor (C1) eres on I ced Iron (tion in Ti (C7) a (D9) eemarks) a (D9) eemarks):) Living Ro (C4) Iled Soil:	Hydric Soil Present? Secondary Surfac Draina Dry-Se Crayfi Stunte Stunte Stunte Stunte Stunte Stunte Stunte Wetland Hydrolog	Yes No / Indicators (minimum of two requires See Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9) ed or Stressed Plants (D1) orphic Position (D2) Neutral Test (D5) y Present? Yes No
Type: Depth (ir Remarks: Miami silt loa IYDROLC Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatio Sparsely Field Obser Surface Wat Vater Table Saturation P (includes ca Describe Re	Layer (if observed): Inches): am (MmC2) is not rate OGY drology Indicators: cators (minimum of control Water (A1) tter Table (A2) on (A3) larks (B1) ht Deposits (B2) posits (B3) it or Crust (B4) ioosits (B5) on Visible on Aerial In v Vegetated Concave vations: ter Present? Yee Present? Yee pillary fringe) corded Data (stream	magery (B Surface (Ss gauge, m	/dric soil. ired; check all that i Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized R Presence o Recent Iro Thin Muck 7) Gauge or V B8) Other (Exp No X No X No X No X No X No X No X No X No X No X	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat blain in R Depth (ii Depth (ii Depth (ii l photos	ves (B9) 3) s (B14) Ddor (C1) eres on l ced Iron (tion in Ti (C7) a (D9) temarks) nches): nches): , previous) Living Ro (C4) Illed Soils	Hydric Soil Present? Secondary Surfac Draina Dry-Si Crayfi Stunte Stunte	Yes No No Yes No No Indicators (minimum of two requires Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9 ed or Stressed Plants (D1) orphic Position (D2) Neutral Test (D5) y Present? Yes No

Project/Site: Parks a	at Decatur			City/Co	unty: Cam	by/Mario	'n		Sampling Date:	3/24/21
Applicant/Owner:	Chris McKin	ney/D.R. Horton					State:	IN	Sampling Point:	4
Investigator(s): John	Dixon, Matt B	Juck		Section,	Township, F	Range:	S22 T1	4N R2E		
Landform (hillside, te	errace, etc.): <u></u>	Swell			Local relief	i (concav	ve, conve	x, none):	Convex	
Slope (%): 1	Lat: 39.634	,84°N		Long:	086.29068°	W,			Datum: WGS 84	
Soil Map Unit Name	: Crosby silt Ic	oam (CrA), 0-2 pe	ercent slopes.				N	WI class	ification:	
Are climatic / hydrold	ogic conditions	s on the site typic	al for this time of ye	ear?	Yes X	Nc)	(If no, ex	plain in Remarks.)	
Are Vegetation	, Soil,	or Hydrology	significantly dis	turbed?	Are "Norma	al Circum	nstances"	present?	Yes <u>X</u> No	٥ <u> </u>
Are Vegetation	, Soil,	or Hydrology	naturally proble	matic?	(If needed,	explain a	any answ	ers in Re	marks.)	
SUMMARY OF	FINDINGS	- Attach site	∍ map showinເ	g sampli	ng point	locatio	ons, tra	ansects	s, important fea	tures, etc.
Hydrophytic Vegeta Hydric Soil Present Wetland Hydrology	ition Present? ? Present?	Yes Yes Yes	No <u>X</u> No <u>X</u> No X	ls the with	e Sampled in a Wetlan	Area Id?	Y	'es	<u>No X</u>	

Remarks:

This is row crop ground.

VEGETATION – Use scientific names of plants.

				Absolute	Dominant	Indicator					
Tree Stratum	(Plot size:	30')	% Cover	Species?	Status	Dominance Test	t workshe	eet:		
1							Number of Domir	nant Spec	ies That		
2.							Are OBL, FACW,	, or FAC:	_	0	(A)
3.							Total Number of	Dominant	Species		
4.							Across All Strata:	:	_	1	(B)
5.							Percent of Domir	nant Spec	ies That		
					=Total Cover		Are OBL, FACW,	, or FAC:	_	0.0%	(A/B)
Sapling/Shrub St	ratum (Plot	t size:	15')								
1.							Prevalence Inde	x worksh	eet:		
2.							Total % Cov	ver of:	Mul	ltiply by:	
3.							OBL species	0	x 1 =	0	
4.							FACW species	0	x 2 =	0	
5.							FAC species	0	x 3 =	0	
					=Total Cover		FACU species	10	x 4 =	40	_
Herb Stratum	(Plot size:	5')				UPL species	15	x 5 =	75	_
1. Corn residue			_	90	Yes		Column Totals:	25	(A)	115	(B)
2. Lamium amp	lexicaule			15	No	UPL	Prevalence In	dex = B/A	\ =	4.60	_ ` `
3. Capsella burs	sa-pastoris			10	No	FACU					—
4.							Hydrophytic Veg	getation I	ndicators:		
5.							1 - Rapid Tes	st for Hydi	ophytic Ve	getation	
6.							2 - Dominand	ce Test is	>50%		
7.							3 - Prevalenc	ce Index is	s ≤3.0 ¹		
8.							4 - Morpholo	gical Adar	otations ¹ (F	Provide su	pporting
9.							data in Re	marks or o	on a separ	ate sheet)
10.							Problematic	Hvdrophvt	tic Vegetat	ion ¹ (Expl	ain)
				115	=Total Cover		¹ Indicators of hyd	tric soil an	d wetland	hydrology	muet
Woody Vine Stra	tum (Plot	t size:	30')				be present, unles	s disturbe	d or proble	ematic.	musi
1.							Hydrophytic				
2.							Vegetation				
					=Total Cover		Present?	Yes	No	Х	
Remarks: (Incluc	le photo numbers	here or o	n a separa	ate sheet.)							

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inches) Color ((moist)	%	Color (moist)	%	Туре'	Loc ²	Texture	<u> </u>		Remarks	
<u>0-7</u> 10YR	R 4/2	100					Loamy/Cla	ayey			
7-16 10YR	R 5/4	85	10YR 5/6	10	С	М	Loamy/Cla	ayey			
			10YR 5/2	5	D	PL					
	·										
Super C-Concentration			Roduced Metrix	AS-Mool			21	agention:	D – Doro Lir	ning M_Motr	v.
vdric Soil Indicators	n, D=Deplet			vio=iviasr	leu Sanc	Giains	. ⊔ In	dicators f	or Probler	natic Hydric	Soils ³
Histosol (A1)			Sandy Gle	eved Matr	ix (S4)			Coast P	rairie Redo	x (A16)	
Histic Epipedon (A2)	')		Sandy Red	dox (S5)	ix (0 i)		_	Iron-Ma	nganese M	asses (F12)	
Black Histic (A3)	·)		Stripped N	latrix (S6	5)		_	Red Pa	ent Materia	al (F21)	
Hvdrogen Sulfide (A	(4)		Dark Surfa	ace (S7)	/		_	Verv Sh	allow Dark	Surface (F22	2)
Stratified Lavers (A5	, 5)		Loamv Mu	icky Mine	eral (F1)		_	Other (E	Explain in R	emarks)	,
2 cm Muck (A10)			Loamy Gle	eyed Mat	rix (F2)		_			- /	
Depleted Below Dar	rk Surface (J	A11)	Depleted M	Matrix (F3	3)						
Thick Dark Surface	(A12)	,	Redox Da	rk Surfac	e (F6)		³ I	ndicators o	of hydrophy	tic vegetatior	and
Sandy Mucky Minera	al (S1)		Depleted [Dark Surf	ace (F7)			wetland	hydrology	must be pres	ent,
5 cm Mucky Peat or	r Peat (S3)		Redox De	pressions	s (F8)			unless o	listurbed or	problematic.	
estrictive Lover (if ob	oserved):										
Resultative Layer (II OD											
Type:											
Type: Depth (inches): Remarks: Crosby silt loam (CrA) is	s not rated a	as a hydrid	c soil.				Hydric Soil	Present?		Yes	No _
Type: Depth (inches): Remarks: Crosby silt loam (CrA) is	s not rated a	as a hydri	c soil.				Hydric Soil	Present?		Yes	No
Type: Depth (inches): temarks: trosby silt loam (CrA) is	s not rated a	as a hydri	c soil.				Hydric Soil	Present?		Yes	No _
Type: Depth (inches): emarks: trosby silt loam (CrA) is YDROLOGY	s not rated a	as a hydri	c soil.				Hydric Soil	Present?		Yes	No _
Type: Depth (inches): remarks: rosby silt loam (CrA) is YDROLOGY /etland Hydrology Ind rimary Indicators (mini	s not rated a dicators:	as a hydri <u>) is requir</u>	c soil.	apply)			Hydric Soil	Present?	ndicators (r	Yes	No
Type: Depth (inches): emarks: rosby silt loam (CrA) is YDROLOGY /etland Hydrology Ind rimary Indicators (minin Surface Water (A1)	s not rated a	as a hydri∘ <u>∍ is requir</u>	c soil. ed; check all that Water-Sta	apply) ined Lea	ves (B9)		Hydric Soil	Present?	ndicators (r Soil Crack	Yes minimum of t s (B6)	No_
Type: Depth (inches): emarks: rosby silt loam (CrA) is YDROLOGY Vetland Hydrology Ind rimary Indicators (mininSurface Water (A1)High Water Table (A	s not rated a dicators: imum of one	as a hydri <u>s is requir</u>	ed; check all that Water-Sta	apply) ined Lea	ves (B9) 3)		Hydric Soil	Present? econdary I Surface Drainag	ndicators (r Soil Crack e Patterns	Yes minimum of t s (B6) (B10)	No
Type: Depth (inches): emarks: trosby silt loam (CrA) is YDROLOGY /etland Hydrology Ind rimary Indicators (mining Surface Water (A1) High Water Table (A Saturation (A3)	s not rated a dicators: imum of one	as a hydri∘ ∍ is requir	ed; check all that Water-Sta Aquatic Fa	apply) ined Lea auna (B1: tic Plants	ves (B9) 3) s (B14)		Hydric Soil	econdary ISurfaceDrainagDry-Sea	ndicators (r Soil Crack e Patterns ison Water	Yes minimum of t s (B6) (B10) Table (C2)	No
Type: Depth (inches): emarks: trosby silt loam (CrA) is YDROLOGY /etland Hydrology Ind rimary Indicators (mining Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1)	s not rated a dicators: imum of one	as a hydri∘ ∋ is requir	ed; check all that Water-Sta Aquatic Fa True Aqua Hydrogen	apply) ined Lea auna (B1: ttic Plants Sulfide C	ves (B9) 3) s (B14) Odor (C1)		Hydric Soil	econdary I Surface Drainag Dry-Sea Crayfish	ndicators (r Soil Crack e Patterns son Water i Burrows (r	Yes minimum of t s (B6) (B10) Table (C2) C8)	No
Type: Depth (inches): Temarks: Trosby silt loam (CrA) is YDROLOGY Vetland Hydrology Ind trimary Indicators (mining Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (D)	s not rated a dicators: imum of one A2) (B2)	as a hydri∙ <u>∍ is requir</u>	c soil. <u>ed; check all that</u> <u>Water-Sta</u> <u>Aquatic Fa</u> <u>True Aqua</u> <u>Hydrogen</u> <u>Oxidized Fa</u>	apply) ined Lea auna (B1: tic Plants Sulfide C Rhizospho	ves (B9) 3) s (B14) Odor (C1) eres on L) Living Ro	Hydric Soil	econdary ISurfaceDrainagDry-SeaCrayfishSaturati	ndicators (r Soil Crack e Patterns Ison Water Burrows (r on Visible c	Yes minimum of t s (B6) (B10) Table (C2) C8) on Aerial Ima	No wo requi
Type:	s not rated a dicators: imum of one A2) (B2)	as a hydri <u>s is requir</u>	c soil. ed; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence	apply) ined Lea auna (B1: tic Plants Sulfide C Rhizospho of Reduc	ves (B9) 3) s (B14) Odor (C1) eres on L red Iron () Living Ro C4)	Hydric Soil	econdary ISurfaceDrainagDry-SeaCrayfishSaturatiStunted	ndicators (r Soil Crack e Patterns Ison Water Burrows (r on Visible o or Stresse	Yes minimum of t s (B6) (B10) Table (C2) C8) on Aerial Ima d Plants (D1)	No wo requi
Type: Depth (inches): Remarks: Crosby silt loam (CrA) is Primary Indicators (mining Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (Drift Deposits (B3) Algal Mat or Crust (B5)	s not rated a dicators: imum of one A2) (B2) B4)	as a hydri ∍ is requir	c soil. ed; check all that Water-Sta Aquatic Fa Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro This Muck	apply) ined Lea auna (B1: titic Plants Sulfide C Rhizospho of Reduc n Reduc	ves (B9) 3) s (B14) Odor (C1) eres on L red Iron (tion in Ti (C7)) _iving Ro (C4) Iled Soil:	Hydric Soil	econdary ISurfaceDry-SeaDry-SeaCrayfishSaturatiStuntedGeomor	ndicators (r Soil Crack e Patterns Ison Water I Burrows (r on Visible c or Stresse phic Positio	Yes minimum of t s (B6) (B10) Table (C2) C8) on Aerial Ima d Plants (D1) on (D2)	No wo requi
Type: Depth (inches): Remarks: Crosby silt loam (CrA) is Primary Indicators (mining Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B Iron Deposits (B5)	s not rated a dicators: imum of one A2) (B2) B4)	as a hydri is requir	c soil. ed; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck	apply) ined Lea auna (B1: ttic Plants Sulfide C Rhizosphr of Reduc in Reduc s Surface Well Date	ves (B9) 3) s (B14) Odor (C1) eres on L ed Iron (tion in Ti (C7) a (D9)) _iving Ro (C4) Iled Soils	Hydric Soil	econdary ISurfaceDrainagDry-SeaCrayfishSaturatiStuntedGeomoiFAC-Nei	ndicators (r Soil Crack e Patterns son Water i Burrows (r on Visible c or Stresse phic Positio utral Test (Yes minimum of t s (B6) (B10) Table (C2) C8) on Aerial Ima d Plants (D1) on (D2) D5)	No_ wo requi
Type: Depth (inches): emarks: rosby silt loam (CrA) is YDROLOGY /etland Hydrology Ind rimary Indicators (mining Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (Drift Deposits (B3) Algal Mat or Crust (E Iron Deposits (B5) Inundation Visible on Sparsely Vagetated	s not rated a dicators: imum of one A2) (B2) B4) n Aerial Ima	as a hydri is requir is requir agery (B7)	c soil. ed; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck) Gauge or ¹ 8)	apply) ined Lea auna (B1; titic Plants Sulfide C Sulfide C Rhizospho of Reduc of Reduc in Reduc sufface Well Data	ves (B9) 3) s (B14) Odor (C1) eres on L ered Iron (tion in Ti (C7) a (D9) emarks)) Living Ro C4) Iled Soil:	Hydric Soil	Present? econdary I Surface Drainag Dry-Sea Crayfish Saturati Stunted Geomor FAC-Ne	ndicators (r Soil Crack e Patterns son Water a Burrows (r on Visible c or Stresse phic Positio utral Test (Yes minimum of t s (B6) (B10) Table (C2) C8) on Aerial Ima d Plants (D1) on (D2) D5)	No wo requi
Type: Depth (inches): Depth (inches): Erosby silt loam (CrA) is Strosby silt loam (CrA) is YDROLOGY Vetland Hydrology Ind Trimary Indicators (mining Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (E Iron Deposits (B5) Inundation Visible or Sparsely Vegetated	s not rated a dicators: imum of one (B2) (B2) B4) n Aerial Ima Concave S	as a hydri is requir igery (B7) urface (B	c soil. ed; check all that Water-Sta Aquatic Fa Aquatic Fa Dividized F Presence Recent Iro Thin Muck) Gauge or 1 8) Other (Exp	apply) ined Lea auna (B13 sulfide C Sulfide C Rhizospho of Reduc of Reduc of Reduc surface Well Data olain in R	ves (B9) 3) s (B14) Odor (C1) eres on L eed Iron (tion in Ti (C7) a (D9) emarks)) Living Ro (C4) Iled Soil:	Hydric Soil	econdary I Surface Drainag Dry-Sea Crayfish Saturati Stunted Geomon FAC-Ne	ndicators (r Soil Crack e Patterns Ison Water Burrows (r on Visible c or Stresse phic Positio utral Test (Yes minimum of t s (B6) (B10) Table (C2) C8) on Aerial Ima d Plants (D1) on (D2) D5)	No wo requi
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Type: Depth (inches): Depth (inches): Depth (inches): Crosby silt loam (CrA) is YDROLOGY YUROLOGY YUROLOGY Yetland Hydrology Ind Primary Indicators (mining Surface Water (A1) High Water Table (A Saturation (A3) Water Marks (B1) Sediment Deposits (B3) Algal Mat or Crust (B Iron Deposits (B5) Inundation Visible or Sparsely Vegetated Field Observations: Surface Water Present? Vater Table Present? Saturation Present? Saturation Present? Saturation Present?	s not rated a dicators: imum of one A2) (B2) B4) n Aerial Ima Concave S ? Yes Yes Yes a (stream of	as a hydri	c soil. ed; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck) Gauge or V 8) Other (Exp No X No X No X No X No X	apply) ined Lea auna (B1: tic Plants Sulfide C Rhizospho of Reduc in Reduc is Surface Well Data blain in R Depth (in Depth (in Depth (in Depth (in	ves (B9) 3) s (B14) Odor (C1) eres on L ed Iron (tion in Ti (C7) a (D9) emarks) nches):) Living Rc C4) Iled Soil:	Hydric Soil	Present? econdary I Surface Drainag Dry-Sea Crayfish Saturati Stunted Geomor FAC-Ne	ndicators (r Soil Crack: e Patterns son Water n Burrows (r on Visible c or Stresse phic Positic utral Test (Present?	Yes minimum of t s (B6) (B10) Table (C2) C8) on Aerial Ima d Plants (D1) on (D2) D5) Yes	No_ wo requi

Project/Site: Parks a	ject/Site: Parks at Decatur						'Marior	า		Sampling Date:	3/24/21
Applicant/Owner:	Chris McKinn	ey/D.R. Horton						State:	IN	Sampling Point:	5
Investigator(s): John	Dixon, Matt B	uck		Section,	Towns	hip, Rar	nge:	S22 T1	4N R2E		
Landform (hillside, te	errace, etc.): K	noll			Local	relief (c	oncav	e, conve	x, none):	Convex	
Slope (%): 4	Lat: <u>39.635</u> 4	I3°N		Long:	086.28	3869°W				Datum: WGS 84	
Soil Map Unit Name:	Miami silt loa	m (MmB2), 2-6 p	percent slopes.					N	WI class	ification:	
Are climatic / hydrold	ogic conditions	on the site typic	al for this time of ye	ar?	Yes	Х	No		(If no, ex	plain in Remarks.)	
Are Vegetation	, Soil,	or Hydrology	significantly dist	urbed?	Are "N	ormal C	Circum	stances"	present?	Yes <u>X</u> N	o <u> </u>
Are Vegetation	, Soil,	or Hydrology	naturally probler	matic?	(If nee	ded, exp	plain a	iny answe	ers in Re	marks.)	
SUMMARY OF	FINDINGS	 Attach site 	map showing	sampli	ing po	oint lo	catio	ons, tra	insects	s, important fea	atures, etc.
Hydrophytic Vegeta	tion Present?	Yes	No X	Is th	ne Sam	pled Ar	ea				
Hydric Soil Present	?	Yes	No X	with	in a W	etland?	,	Y	es	No X	
Wetland Hydrology	Present?	Yes	No <u>X</u>								

Remarks:

This is row crop ground.

VEGETATION – Use scientific names of plants.

				Absolute	Dominant	Indicator					
Tree Stratum	(Plot size:	30')	% Cover	Species?	Status	Dominance Test	tworkshe	eet:		
1							Number of Domir	nant Spec	ies That		
2.							Are OBL, FACW,	, or FAC:	_	0	(A)
3.							Total Number of	Dominant	Species		
4.							Across All Strata:	:	•	1	(B)
5.							Percent of Domir	nant Spec	ies That		
					=Total Cover		Are OBL, FACW,	, or FAC:	_	0.0%	(A/B)
Sapling/Shrub Stra	<u>tum</u> (Plot	size:	15')								
1							Prevalence Inde	x worksh	eet:		
2.							Total % Cov	er of:	Mu	ltiply by:	_
3.							OBL species	0	x 1 =	0	
4.							FACW species	0	x 2 =	0	
5.							FAC species	0	x 3 =	0	
					=Total Cover		FACU species	0	x 4 =	0	
Herb Stratum	(Plot size:	5')				UPL species	15	x 5 =	75	
1. Corn residue				90	Yes		Column Totals:	15	(A)	75	(B)
2. Draba verna				10	No	UPL	Prevalence Inc	dex = B/A	<u>_</u> =	5.00	_
3. Lamium ample.	xicaule			5	No	UPL					
4.							Hydrophytic Veg	getation I	ndicators	:	
5.							1 - Rapid Tes	st for Hydi	rophytic Ve	egetation	
6.							2 - Dominand	ce Test is	>50%		
7.							3 - Prevalenc	e Index is	s ≤3.0 ¹		
8.							4 - Morpholo	gical Ada	otations ¹ (F	Provide su	upporting
9.							data in Re	marks or o	on a separ	ate sheet	:)
10.							Problematic I	Hydrophyl	tic Vegetat	tion ¹ (Exp	lain)
				105	=Total Cover		¹ Indicators of hyd	lric soil an	d wetland	hydrology	/ must
Woody Vine Stratu	<u>m</u> (Plot	size:	30')				be present, unles	s disturbe	ed or probl	ematic.	, maor
1							Hydrophytic				
2.							Vegetation				
					=Total Cover		Present?	Yes	No	Х	
Remarks: (Include	photo numbers	here or o	n a separa	ate sheet.)							

US Army Corps of Engineers

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Depth	Iviatrix		Redu	x realui						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remar	ks
0-7	10YR 4/3	100					Loamy/Claye	у		
7-16	7.5YR 4/4	90	10YR 4/3	10	С	PL	Loamy/Claye	у		
Type: C=Cor	ncentration, D=Deple	tion, RM=	Reduced Matrix, N	/IS=Mas	ked Sand	Grains.	² Loca	ation: PL:	=Pore Lining, M=I	Matrix.
lydric Soil In	ndicators:						India	cators for	Problematic Hy	dric Soils':
Histosol (A	A1)		Sandy Gle	yed Mat	rix (S4)			Coast Prai	rie Redox (A16)	
Histic Epip	bedon (A2)		Sandy Red	dox (S5)			'	ron-Mang	anese Masses (F	12)
Black Hist	tic (A3)		Stripped N	latrix (Se	5)		F	Red Parer	t Material (F21)	
Hydrogen	Sulfide (A4)		Dark Surfa	ice (S7)			`	Very Shall	ow Dark Surface	(F22)
Stratified L	Layers (A5)		Loamy Mu	cky Mine	eral (F1)			Other (Exp	olain in Remarks)	
2 cm Mucl	k (A10)		Loamy Gle	eyed Mat	rıx (F2)					
Depleted I	Below Dark Surface	(A11)	Depleted N	Matrix (F	3)		з			
I hick Darl	k Surface (A12)		Redox Da	к Surfac	e (F6)		°Indi	cators of h	ydrophytic veget	ation and
Sandy Mu	Sandy Mucky Mineral (S1)		Depleted [Dark Sur	ace (F7)		١	wetland hy	drology must be	present,
5 cm Muc	ky Peat or Peat (S3)		Redox De	pression	s (F8)		l	unless dis	urbed or problem	atic.
	over (if eheerved)									
Restrictive La	ayer (il observeu).									
Restrictive La	ayer (il observed).									
Restrictive La Type: Depth (inc Remarks: /iami silt loan	n (MmB2) is not rate	d as a hyd	dric soil.				Hydric Soil Pre	esent?	Yes	No
Restrictive La Type: Depth (inc Remarks: Miami silt loan	n (MmB2) is not rate	d as a hyd	dric soil.				Hydric Soil Pre	esent?	Yes_	No
Restrictive La Type: Depth (inc Remarks: Mami silt loan	n (MmB2) is not rate	d as a hyo	dric soil.				Hydric Soil Pre	esent?	Yes	No
Restrictive La Type: Depth (inc Remarks: Miami silt Ioan	n (MmB2) is not rate	d as a hyo	dric soil.				Hydric Soil Pre	esent?	Yes	No
Restrictive La Type: Depth (inc Remarks: Miami silt Ioan Miami silt Ioan	m (MmB2) is not rate	d as a hyo	dric soil. red; check all that	apply)			Hydric Soil Pre	esent?	Yes	No
Restrictive La Type: Depth (inc Remarks: Jiami silt Ioan YDROLOC Vetland Hydr Primary Indica Surface W	aver (if Observed). thes): n (MmB2) is not rate GY rology Indicators: ators (minimum of on /ater (A1)	d as a hyd	dric soil. red; check all that	apply)	ves (B9)		Hydric Soil Pre	esent?	Yes icators (minimum bil Cracks (B6)	No
Restrictive La Type: Depth (inc Remarks: Aiami silt Ioan Vetland Hydr Primary Indica Surface W High Wate	aver (in observed). ches): m (MmB2) is not rate GY rology Indicators: ators (minimum of on /ater (A1) er Table (A2)	d as a hyd	dric soil. red; check all that Water-Sta Aquatic Fa	apply) ined Lea auna (B1	ves (B9) 3)		Hydric Soil Pre	esent? ondary Ind Surface So Drainage F	Yes icators (minimum bil Cracks (B6) Patterns (B10)	No
Restrictive La Type: Depth (inc Remarks: /iami silt loan YDROLOG Vetland Hydr Primary Indica Surface W Saturation	aver (if Observed). thes): n (MmB2) is not rate GY rology Indicators: ators (minimum of on /ater (A1) er Table (A2) h (A3)	d as a hyd	dric soil. red: check all that Water-Sta Aquatic Fa True Aqua	apply) ined Lea auna (B1 tic Plant	ves (B9) 3) s (B14)		Hydric Soil Pre	esent? ondary Ind Surface So Drainage F Dry-Seasc	Yes	No of two require
Restrictive La Type: Depth (inc Remarks: Aiami silt Ioan YDROLOO Vetland Hydr Primary Indica Surface W High Wate Saturation Water Mar	aver (in observed). thes): n (MmB2) is not rate GY rology Indicators: ators (minimum of on /ater (A1) er Table (A2) n (A3) rks (B1)	d as a hyo	dric soil. red; check all that Water-Sta Aquatic Fa True Aqua Hydrogen	apply) ined Lea auna (B1 tic Plant Sulfide (ves (B9) 3) s (B14) Ddor (C1)		Hydric Soil Pre	esent? ondary Ind Surface Se Drainage F Dry-Seaso Crayfish B	Yes icators (minimum bil Cracks (B6) Patterns (B10) n Water Table (C urrows (C8)	No of two require 2)
Restrictive La Type: Depth (inc Remarks: Aiami silt Ioan YDROLOO Vetland Hydr Primary Indica Surface W High Wate Saturation Water Mar Sediment	aver (if observed). thes): m (MmB2) is not rate GY rology Indicators: ators (minimum of on /ater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2)	d as a hyd	dric soil. red: check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph	ves (B9) 3) s (B14) Odor (C1) eres on L		Hydric Soil Pre Secc Secc Secc	esent? ondary Ind Surface So Drainage F Dry-Seasc Crayfish B Saturation	Yes icators (minimum bil Cracks (B6) Patterns (B10) in Water Table (C urrows (C8) Visible on Aerial	No of two require 2) Imagery (C9)
Restrictive La Type: Depth (inc Remarks: Miami silt loan Miami silt loan (YDROLOC Vetland Hydr Primary Indica Surface W High Wate Saturation Water Mar Sediment Drift Depo	aver (ii observed). thes): in (MmB2) is not rate GY rology Indicators: ators (minimum of on /ater (A1) er Table (A2) in (A3) rks (B1) Deposits (B2) usits (B3)	d as a hyd	dric soil. red: check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence	apply) ined Lea auna (B1 tic Plant Sulfide (Shizosph of Reduc	ves (B9) 3) s (B14) Ddor (C1) eres on L ered Iron (Living Ro	Hydric Soil Pre Secc	esent? Endary Ind Surface So Drainage I Dry-Seasc Crayfish B Saturation Stunted or	Yes icators (minimum bil Cracks (B6) Patterns (B10) in Water Table (C urrows (C8) Visible on Aerial Stressed Plants	No of two require 2) Imagery (C9) (D1)
Restrictive La Type: Depth (inc Remarks: Miami silt Ioan IYDROLOC Wetland Hydr Primary Indica Surface W High Wate Saturation Water Mar Sediment Drift Depo Algal Mat	aver (in Observed). ches): n (MmB2) is not rate GY rology Indicators: ators (minimum of on /ater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2) isits (B3) or Crust (B4)	d as a hyd	dric soil. red: check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized Fa Presence Recent Iro	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc	ves (B9) 3) s (B14) Ddor (C1) eres on L ered Iron (tion in Ti	iving Ro C4) Iled Soil:	Hydric Soil Pre Second Second Second Second	esent? ondary Ind Surface So Drainage F Dry-Seaso Crayfish B Saturation Stunted or Geomorph	Yes icators (minimum bil Cracks (B6) Patterns (B10) n Water Table (C urrows (C8) Visible on Aerial Stressed Plants ic Position (D2)	No of two require 2) Imagery (C9) (D1)
Restrictive La Type: Depth (inc Remarks: Miami silt Ioan IYDROLOC Wetland Hydr Primary Indica Surface W High Wate Saturation Water Mar Sediment Drift Depo Algal Mat Iron Depos	aver (in observed). thes): in (MmB2) is not rate GY rology Indicators: ators (minimum of on /ater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5)	d as a hyd	dric soil. red; check all that Water-Sta Aquatic Fa Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface	ves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (tion in Ti (C7)	iving Ro C4) Iled Soils	Hydric Soil Pre Second	esent? ondary Ind Surface So Drainage I Dry-Seaso Crayfish B Saturation Stunted or Geomorph FAC-Neut	Yes icators (minimum bil Cracks (B6) Patterns (B10) on Water Table (C urrows (C8) Visible on Aerial Stressed Plants ic Position (D2) ral Test (D5)	No of two require 2) Imagery (C9) (D1)
Restrictive La Type: Depth (inc Remarks: Aiami silt Ioan YDROLOO Vetland Hydr Primary Indica Surface W High Wate Saturation Water Mar Sediment Drift Depo Algal Mat Iron Depos Inundation	aver (ii observed). thes): in (MmB2) is not rate GY rology Indicators: ators (minimum of on /ater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2) usits (B3) or Crust (B4) sits (B5) n Visible on Aerial Im	d as a hyd	dric soil. red: check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck ') Gauge or	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat	ves (B9) 3) s (B14) Odor (C1) eres on L æd Iron (tion in Ti (C7) a (D9)	iving Ro C4) Iled Soil:	Hydric Soil Pre	esent? ondary Ind Surface So Drainage F Dry-Seasco Crayfish B Saturation Stunted or Geomorph FAC-Neuti	Yes icators (minimum bil Cracks (B6) Patterns (B10) in Water Table (C urrows (C8) Visible on Aerial Stressed Plants ic Position (D2) ral Test (D5)	No of two require 2) Imagery (C9) (D1)
Restrictive La Type: Depth (inc Remarks: Miami silt loan Vetland Hydr Primary Indica Surface W High Wate Saturation Water Mar Sediment Drift Depo Algal Mat Iron Depos Inundation Sparsely \	aver (ii observed). ches): in (MmB2) is not rate GY rology Indicators: ators (minimum of on /ater (A1) er Table (A2) in (A3) rks (B1) Deposits (B2) isits (B3) or Crust (B4) sits (B5) in Visible on Aerial Im //egetated Concave S	d as a hyd ne is requir ne is requir nagery (B7 Surface (E	dric soil. red; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or ¹ 38) Other (Exp	apply) ined Lea auna (B1 tic Plant Sulfide (Sulfide (S	ves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (tion in Ti (C7) a (D9) emarks)	iving Ro C4) Iled Soil:	Hydric Soil Pre Secc pots (C3)	esent? Endary Ind Surface So Drainage P Dry-Seasc Crayfish B Saturation Stunted or Geomorph FAC-Neut	Yes icators (minimum bil Cracks (B6) Patterns (B10) in Water Table (C urrows (C8) Visible on Aerial Stressed Plants ic Position (D2) ral Test (D5)	No of two require 2) Imagery (C9) (D1)
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Restrictive La Type: Depth (inc Remarks: Miami silt loan IYDROLOC Vetland Hydr Primary Indica Surface W High Wate Saturation Water Mar Sediment Drift Depo Algal Mat Iron Depo: Inundation Sparsely \ Field Observa Surface Water Mater Table P Saturation Pre- Saturation	aver (if Observed). thes): in (MmB2) is not rate GY rology Indicators: ators (minimum of on /ater (A1) er Table (A2) in (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) in Visible on Aerial Im /egetated Concave S ations: r Present? Yes Present? Yes llary fringe)	d as a hyd e is requir agery (B7 Surface (B	dric soil. red; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck () Gauge or V 38) Other (Exp No X No X No X No X	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat blain in R Depth (i Depth (i	ves (B9) 3) s (B14) Ddor (C1) eres on L eres on L cred Iron (tion in Ti (C7) a (D9) emarks) mches): nches):	Living Ro C4) led Soil:	Hydric Soil Pre	esent? ondary Ind Surface So Drainage R Dry-Seaso Crayfish B Saturation Stunted or Geomorph FAC-Neutri FAC-Neutri rology Pr	Yes	No No
Restrictive La Type: Depth (inc Remarks: Miami silt Ioan IYDROLOO Netland Hydr Primary Indica Surface W High Wate Saturation Water Mar Sediment Drift Depo Algal Mat Iron Depos Inundation Sparsely \ Field Observa Surface Water Vater Table F Saturation Pre- includes capil Describe Reco	aver (in Observed). thes): in (MmB2) is not rate GY rology Indicators: ators (minimum of on /ater (A1) er Table (A2) if (A3) rks (B1) Deposits (B2) or Crust (B4) sits (B3) or Crust (B4) sits (B5) in Visible on Aerial Im /egetated Concave S ations: r Present? Yes Present? Yes Sesent? Yes llary fringe) orded Data (stream g	d as a hyd e is requil agery (B7 Surface (E	dric soil. red; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck r) Gauge or 1 38) Other (Exp No X No X No X No X No X No X	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat blain in R Depth (i Depth (i Depth (i	ves (B9) 3) s (B14) Ddor (C1) eres on L ced Iron (tion in Ti (C7) a (D9) emarks) mches): nches): previous	iving Ro C4) Iled Soil:	Hydric Soil Pre	esent? ondary Ind Surface So Drainage F Dry-Seasc Crayfish B Saturation Stunted or Geomorph FAC-Neutri FAC-Neutri rology Pr	Yes	No of two require 2) Imagery (C9) (D1) No

Project/Site: Parks a	t Decatur			City/Co	unty: Caml	by/Mario	n		Sampling Date:	3/24/2021
Applicant/Owner:	Chris McKinne	ey/D.R. Horton					State:	IN	Sampling Point:	6
Investigator(s): John	Dixon, Matt Bu	ick		Section,	Township,	Range:	S22 T14	N R2E		
Landform (hillside, te	errace, etc.): <u>S</u>	wale			Local reliet	f (concav	Linear			
Slope (%): 0	Lat: 39.6337	0°N		Long:	086.28882°	W			Datum: WGS 84	
Soil Map Unit Name:	Miami silt loar	m (MmB2), 2 to	6 percent slopes, erc	oded			N	WI classi	fication:	
Are climatic / hydrolc Are Vegetation Are Vegetation SUMMARY OF I	ogic conditions _, Soil, c _, Soil, c FINDINGS –	on the site typic or Hydrology or Hydrology - Attach site	al for this time of yea significantly distur naturally problem map showing s	ar? rbed? atic? a mpli	Yes <u>X</u> Are "Norma (If needed, ing point	No al Circum explain a locatic	nstances" any answ ons, tra	(If no, exp present? ers in Re Insects	olain in Remarks.) P Yes <u>X</u> No marks.) S , important fea	tures, etc.
Hydrophytic Vegeta Hydric Soil Present Wetland Hydrology	tion Present? ? Present?	Yes X Yes X Yes X	No No No	ls th with	ne Sampled iin a Wetlar	Area nd?	Ye	es <u>X</u>	No	
Remarks: This appears to be	an emergent w	etland (Wetland	A), approximately 0.	.62 acre	es in size.					
VEGETATION -	Use scienti	fic names of	plants.							

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
1				Number of Dominant Species That
2				Are OBL, FACW, or FAC: <u>2</u> (A)
3				Total Number of Dominant Species
4	_			Across All Strata: <u>2</u> (B)
5				Percent of Dominant Species That
		=Total Cover		Are OBL, FACW, or FAC:(A/B)
Sapling/Shrub Stratum (Plot size: 15')			
1. Populus deltoides	10	Yes	FAC	Prevalence Index worksheet:
2				Total % Cover of: Multiply by:
3				OBL species 75 x 1 = 75
4.				FACW species 10 x 2 = 20
5				FAC species 10 x 3 = 30
	10	=Total Cover		FACU species 10 x 4 = 40
Herb Stratum (Plot size: 5')				UPL species 0 x 5 = 0
1. Typha latifolia	75	Yes	OBL	Column Totals: 105 (A) 165 (B)
2. Solidago canadensis	10	No	FACU	Prevalence Index = B/A = 1.57
3. Epilobium hirsutum	10	No	FACW	
4				Hydrophytic Vegetation Indicators:
5.				1 - Rapid Test for Hydrophytic Vegetation
6.				X 2 - Dominance Test is >50%
7.				X 3 - Prevalence Index is ≤3.0 ¹
8.				4 - Morphological Adaptations ¹ (Provide supporting
9.				data in Remarks or on a separate sheet)
10.				Problematic Hydrophytic Vegetation ¹ (Explain)
	95	=Total Cover		¹ Indicators of hydric soil and wetland hydrology must
Woody Vine Stratum (Plot size: 15')			be present, unless disturbed or problematic.
1				Hvdrophytic
2				Vegetation
		=Total Cover		Present? Yes X No

Depth	Math		Reuc	ix i catui		-		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-9	10YR 3/2	100	10YR 5/2	5	D	М	Loamy/Clayey	
			10YR 5/4	5	C	PL		
9-16	10YR 3/2	85	10YR 5/4	10	С	PL	Loamy/Clayey	
			10YR 5/6	5	C	PI		
			10111 0/0					
Type: C=Cor	ncentration, D=Dep	etion, RM=	Reduced Matrix, I	MS=Mas	ked Sand	d Grains	. ² Location	: PL=Pore Lining, M=Matrix.
Hydric Soil Ir	ndicators:				· (0.1)		Indicato	rs for Problematic Hydric Soils":
Histosol (/	A1)		Sandy Gle	eyed Mat	rix (S4)		<u>?</u> Coas	st Prairie Redox (A16)
HISTIC EPI	pedon (A2)		Sandy Re	dox (55)			Iron-	Manganese Masses (F12)
Black Hist	tic (A3)			latrix (Se	5)		Red	Parent Material (F21)
Hydrogen	Sulfide (A4)		Dark Surfa	ace (S7)			Very	Shallow Dark Surface (F22)
Stratified I	Layers (A5)		Loamy Mu	ICKY MIN	erai (F1)		Othe	r (⊏xpiain in Remarks)
2 cm Muc	ж (A1U) Delevi Deriti C. ((111)	Loamy Gle	eyed Mat	rix (⊢2)			
	Below Dark Surface	e (A11)		viatrix (F	3) (FC)		3	an of headaa hadin aa aa ta'i
Thick Dar	k Sufface (A12)		X Redox Da	rk Surfac	e (F6)		Indicato	rs of hydrophytic vegetation and
Sandy Mu	icky Mineral (S1)	`	Depleted I	Jark Sur	face (F7)		wetla	and hydrology must be present,
	cky Peat of Peat (53)	Redox De	pression	S (F8)		unies	ss disturbed or problematic.
	average (if a large more all).							
Restrictive La	ayer (if observed):							
Type:	ayer (if observed):							
Restrictive La Type: Depth (inc Remarks: Soil here is ex	ches):	ires.	_				Hydric Soil Presen	t? Yes <u>X</u> No
Restrictive La Type: Depth (inc Remarks: Soil here is ex	ches):	ires.					Hydric Soil Presen	t? Yes <u>X</u> No
Restrictive La Type: Depth (inc Remarks: Soil here is ex	ches):	ires.					Hydric Soil Presen	t? Yes <u>X</u> No
Restrictive La Type: Depth (inc Remarks: Soil here is ex	ches):	ires.					Hydric Soil Presen	t? Yes <u>X</u> No
Restrictive La Type: Depth (inc Remarks: Soil here is ex IYDROLOC Wetland Hyd Primary Indica	ches): chibiting hydric featu chibiting hydric featu GY rology Indicators: ators (minimum of o	ne is requi	red; check all that	apply)			Hydric Soil Present	t? Yes X No
Restrictive La Type: Depth (inc Remarks: Soil here is ex HYDROLOC Wetland Hyde Primary Indica XSurface W	GY rology Indicators: ators (minimum of o Vater (A1)	ne is requi	red; check all that	apply) ined Lea	ves (B9)		Hydric Soil Present	t? Yes X No ry Indicators (minimum of two require ace Soil Cracks (B6)
Restrictive La Type: Depth (inc Remarks: Soil here is ex Alternative Solution Trimary Indica X Surface W X High Wate	GY GY In observed): GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2)	ne is requi	red; check all that Water-Sta Aquatic Fa	apply) ined Lea auna (B1	ves (B9) 3)		Hydric Soil Present	t? Yes X No ry Indicators (minimum of two require ace Soil Cracks (B6) hage Patterns (B10)
Restrictive La Type: Depth (inc Remarks: Soil here is ex HYDROLOO Wetland Hydu Primary Indica X Surface W X High Wate X Saturation	ayer (It observed): ches): ches): ches): dtibiting hydric featu GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) h (A3)	ne is requi	red; check all that Water-Sta Aquatic Fa	apply) ined Lea auna (B1	ves (B9) 3) s (B14)		Hydric Soil Present	t? Yes X No ry Indicators (minimum of two require ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2)
Restrictive La Type: Depth (inc Remarks: Soil here is ex IYDROLOC Wetland Hyde Primary Indica X Surface W X High Wate X Saturation Water Ma	ayer (if observed): ches): ches): ches): dynamic featu GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) urks (B1)	ne is requi	red; check all that Water-Sta Aquatic Fa True Aqua Hydrogen	apply) ined Lea auna (B1 atic Plant Sulfide (ves (B9) 3) s (B14) Ddor (C1)	Hydric Soil Present	t? Yes X No ry Indicators (minimum of two require ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8)
Restrictive La Type: Depth (inc Remarks: Soil here is ex Alternation Wetland Hyde Primary Indica X Surface W X High Wate X Saturation Water Ma Sediment	ayer (if observed): ches): ches: ches): ches: ches): ches:	ne is requi	red; check all that Water-Sta Aquatic Fa True Aqua Hydrogen	apply) ined Lea auna (B1 atic Plant Sulfide (Rhizosph	ves (B9) 3) s (B14) Ddor (C1) eres on I) Living R	Hydric Soil Present	t? Yes X No ry Indicators (minimum of two require ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9)
Restrictive La Type: Depth (inc Remarks: Soil here is ex IYDROLOO Wetland Hyde Primary Indica X Surface W X High Wate X Saturation Water Ma Sediment Drift Depo	GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) h (A3) urks (B1) Deposits (B2) posits (B3)	ne is requi	red; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F	apply) ined Lea auna (B1 titic Plant Sulfide (Rhizosph of Reduc	ves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron () Living R (C4)	Hydric Soil Present	t? Yes X No ry Indicators (minimum of two require ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1)
Restrictive La Type: Depth (inc Remarks: Soil here is ex IYDROLOO Wetland Hyde Primary Indica X Surface W X High Wate X Surface W X Surface Ma Sediment Drift Depo Algal Mat	GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) posits (B3) or Crust (B4)	ne is requi	red; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Irc	apply) ined Lea auna (B1 titc Plant Sulfide (Rhizosph of Reduc	ves (B9) 3) s (B14) Ddor (C1) eres on I ced Iron (tion in Ti (Q2)) Living R (C4) Illed Soil	Hydric Soil Present	t? Yes X No ry Indicators (minimum of two require ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2)
Restrictive La Type: Depth (inc Remarks: Soil here is ex IYDROLOO Wetland Hyde Primary Indica X Surface W X High Wate X Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo	GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) posits (B3) or Crust (B4) posits (B5) posits (B5)	ne is requi	red; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Irc Thin Muck	apply) ined Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduc on Reduc c Surface	ves (B9) 3) s (B14) Ddor (C1 eres on I ced Iron (tion in Ti (C7)) Living R (C4) Iled Soil	Hydric Soil Present	t? Yes X No ry Indicators (minimum of two require ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)
Restrictive La Type: Depth (inc Remarks: Soil here is ex Firmary Indica X Surface W X High Wate X Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo X Inundation	GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) osits (B3) or Crust (B4) osits (B5) n Visible on Aerial In	ne is requi	red: check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Irc Thin Muck	apply) ined Lea auna (B1 attic Plant Sulfide (Rhizosph of Reduc on Reduc s Surface Well Dat	ves (B9) 3) s (B14) Ddor (C1) eres on l ced Iron (tion in Ti (C7) a (D9)) Living R (C4) Iled Soil	Hydric Soil Present	t? Yes X No ry Indicators (minimum of two require ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) norphic Position (D2) -Neutral Test (D5)
Restrictive La Type: Depth (inc Remarks: Soil here is ex ATYDROLOC Wetland Hyde Primary Indica X Surface W X High Wate X Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo X Inundation Sparsely V	GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) posits (B3) or Crust (B4) posits (B5) n Visible on Aerial In Vegetated Concave	ne is requi	red; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or 38) Other (Exp	apply) ined Lea auna (B1 sulfide (Rhizosph of Reduc n Reduc s Surface Well Dat plain in R	ves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron (tion in Ti (C7) a (D9) eemarks)) Living R (C4) Iled Soil	Hydric Soil Present	t? Yes X No ry Indicators (minimum of two required ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)
Restrictive La Type: Depth (inc Remarks: Soil here is ex IYDROLOO Wetland Hydu Primary Indica X Surface W X High Wate X Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo X Inundation Sparsely V Field Observ.	ayer (it observed): ches): ches): ches): ches): ches): GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) or Crust (B4) osits (B5) n Visible on Aerial Ir Vegetated Concave vations: p Desos (C)	ne is requi	red; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Irc Thin Muck 7) Gauge or 38) Other (Exp	apply) ined Lea auna (B1 attic Plant Sulfide (Rhizosph of Reduc a Surface Well Dat blain in R	ves (B9) 3) s (B14) Ddor (C1) eres on I ced Iron (tion in Ti (C7) a (D9) emarks)) Living R (C4) Iled Soil	Hydric Soil Present	t? Yes X No ry Indicators (minimum of two required ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)
Restrictive La Type: Depth (inc Remarks: Soil here is ex 1YDROLOO Wetland Hydi Primary Indica X Surface W X Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo X Inundation Sparsely V Field Observ Surface Wate	ayer (it observed): ches): c	ne is requi	red; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Irc Thin Muck 7) Gauge or 38) Other (Exp	apply) ined Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduc on Reduc s Surface Well Dat olain in R Depth (i	ves (B9) 3) s (B14) Ddor (C1) eres on l ced Iron (tion in Ti (C7) a (D9) emarks) centes):) Living R (C4) Iled Soil	Hydric Soil Present	t? Yes X No ry Indicators (minimum of two require ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)
Restrictive La Type: Depth (inc Remarks: Soil here is ex FYDROLOC Wetland Hyde Primary Indica X Surface W X High Wate X Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo X Inundation Sparsely V Field Observe Surface Wate Water Table F Saturation	GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) osits (B3) or Crust (B4) osits (B5) n Visible on Aerial Ir Vegetated Concave rations: er Present? Ye Present? Ye	ne is requi nagery (B7 Surface (E s_X s_X	red; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Irc Thin Muck 7) Gauge or 38) Other (Exp No No	apply) ined Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduc on Reduc Surface Well Dat olain in R Depth (i Depth (i	ves (B9) 3) s (B14) Ddor (C1) eres on l ced Iron (tion in Ti (C7) a (D9) temarks) nches):) Living R (C4) Iled Soil	Hydric Soil Present	t? Yes X No ry Indicators (minimum of two required ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)
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Restrictive La Type: Depth (inc Remarks: Soil here is ex IYDROLOO Wetland Hyde Primary Indica X Surface W X High Wate X Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo X Inundation Sparsely V Field Observa Surface Wate Water Table F Saturation Pre- (includes capi	ayer (if observed): ches):	nagery (B7 Surface (E s X s X s X	red; check all that Water-Sta Aquatic Fa Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Irc Thin Muck 7) Gauge or 38) Other (Exp No No No No	apply) ined Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduc a Surface Well Dat olain in R Depth (i Depth (i	ves (B9) 3) s (B14) Odor (C1) eres on l ced Iron (tion in Ti (C7) a (D9) temarks) nches): nches):) Living R (C4) Iled Soil	Hydric Soil Present Seconda Surfa Drair Dry-G Cray cots (C3) X Satu Stun Wetland Hydrolog Utional if augliable:	t? Yes X No ry Indicators (minimum of two required ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5) gy Present? Yes X No
Restrictive La Type: Depth (inc Remarks: Soil here is ex 1YDROLOO Wetland Hyde Primary Indica X Surface W X High Wate X Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo X Inundation Sparsely W Field Observ. Surface Wate Water Table F Saturation Pre- (includes capi Describe Reco	GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) posits (B3) or Crust (B4) posits (B5) n Visible on Aerial Ir Vegetated Concave rations: er Present? Ye esent? Ye esen	ne is requi	red; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Irc Thin Muck 7) Gauge or 38) Other (Exp No No No No	apply) ined Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduc an Reduc a Surface Well Dat blain in R Depth (i Depth (i Depth (i al photos	ves (B9) 3) s (B14) Odor (C1 eres on l ced Iron (tion in Ti (C7) a (D9) emarks) nches):) Living R (C4) Iled Soil	Hydric Soil Present Seconda	t? Yes X No ry Indicators (minimum of two required ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5) gy Present? Yes X No

Project/Site: Parks a	roject/Site: Parks at Decatur						'Mario	n		Sampli	ng Date:	3/24/21
Applicant/Owner:	Chris McK	inney/D.R. Horton						State:	IN	Sampli	ng Point:	7
Investigator(s): John	n Dixon, Mat	t Buck		Section	n, Township, Range: S22 T14N R2E							
Landform (hillside, t	errace, etc.)	Swell			Local	relief (c	oncav	e, conv	ex, none):	Convex		
Slope (%): 2	Lat: 39.6	3321°N	Long	: 086.28	8909°W				Datum: V	VGS 84		
Soil Map Unit Name	: Crosby silt	loam (CrA), 0-2 p	ercent slopes.						NWI class	ification:		
Are climatic / hydrole	ogic conditio	ons on the site typic	cal for this time of y	/ear?	Yes	Х	No		(If no, ex	oplain in Re	emarks.)	
Are Vegetation	, Soil	, or Hydrology	significantly dis	sturbed?	Are "N	lormal C	Circum	stances	" present	? Yes	X N	0
Are Vegetation	, Soil	, or Hydrology	naturally proble	ematic?	(If nee	eded, ex	plain a	any ans	wers in Re	emarks.)		
SUMMARY OF	FINDING	S – Attach site	e map showin	g sampl	ling p	oint lo	ocatio	ons, ti	ransect	s, impor	tant fea	atures, etc.
Hydrophytic Vegeta	ation Presen	t? Yes	No <u>X</u>	ls t	he Sam	pled Ar	ea					
Hydric Soil Present	?	Yes	No X	wit	hin a W	/etland?	•		Yes	No	Х	
Wetland Hydrology	Present?	Yes	No <u>X</u>									

Remarks:

This is row crop ground.

VEGETATION – Use scientific names of plants.

				Absolute	Dominant	Indicator					
Tree Stratum	(Plot size:	30'	_)	% Cover	Species?	Status	Dominance Tes	t worksho	et:		
1							Number of Domi	nant Spec	ies That		
2.							Are OBL, FACW	, or FAC:	_	0	(A)
3.							Total Number of	Dominant	Species		
4.							Across All Strata	:	_	1	(B)
5.							Percent of Domir	nant Spec	ies That		l
					=Total Cover		Are OBL, FACW	, or FAC:	_	0.0%	(A/B)
Sapling/Shrub Strat	um (Plot	size:	15')								
1.							Prevalence Inde	ex worksh	neet:		
2.							Total % Cov	ver of:	Mul	tiply by:	
3.							OBL species	0	x 1 =	0	
4.							FACW species	0	x 2 =	0	-
5.							FAC species	0	x 3 =	0	- 1
					=Total Cover		FACU species	5	x 4 =	20	-
Her <u>b Stratum</u>	(Plot size:	5')				UPL species	10	x 5 =	50	-
1. Corn residue			<u> </u>	90	Yes		Column Totals:	15	(A)	70	(B)
2. Draba verna				10	No	UPL	Prevalence In	dex = B/A	λ = · ·	4.67	_``
3. Stellaria media				5	No	FACU					_
4.							Hydrophytic Ve	getation I	ndicators:		
5.							1 - Rapid Te	st for Hyd	rophytic Ve	getation	
6.							2 - Dominano	ce Test is	>50%	-	
7.							3 - Prevalenc	ce Index is	s ≤3.0 ¹		
8.							4 - Morpholo	oical Ada	otations ¹ (F	vrovide su	upporting
9.							data in Re	marks or	on a separ	ate sheet)
10.							Problematic	Hvdrophv	tic Vegetat	ion ¹ (Expl	ain)
				105	=Total Cover		¹ Indicators of hys	hria agil ar	d wotland		(must
Woody Vine Stratur	<u>n</u> (Plot	size:	30')				be present, unles	ss disturbe	ed or proble	ematic.	rmusi
1							Hydrophytic				
2.							Vegetation				
					=Total Cover		Present?	Yes	No	Х	
Remarks: (Include	photo numbers	here or or	n a separa	ate sheet.)							

US Army Corps of Engineers

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Depth	Matrix		Redo	ix realui	63						
inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks			
0-8	10YR 4/2	100					Loamy/Clayey				
8-16	10YR 5/4	85	10YR 5/2	10	D	М	Loamy/Clayey				
			10YR 5/6	5	С	PL					
Type: C=Co	ncentration, D=Deple	etion, RM=	Reduced Matrix, N	/IS=Masi	ked Sand	Grains.		n: PL=Pore Lining, M=Matrix.			
Histosol (Sandy Gla	wod Mat	riv (94)		Indicate	ors for Problematic Hydric Solis :			
Histic Eni	AI) nedon (A2)		Sandy Be	yeu iviali dox (S5)	IX (34)		C02	Manganese Masses (E12)			
Black Hist	tic (A3)		Stripped M	lon (33) Aatrix (SF	;)		Rec	Parent Material (F21)			
Hydrogen	Sulfide (A4)		Dark Surfa	ace (S7)	')		Ver	v Shallow Dark Surface (F22)			
Stratified	Lavers (A5)		Loamy Mu	icky Mine	eral (F1)		Oth	er (Explain in Remarks)			
2 cm Muc	:k (A10)		Loamv Gle	eyed Mat	rix (F2)						
Depleted	Below Dark Surface	(A11)	Depleted N	Matrix (F:	3)						
Thick Dar	k Surface (A12)	. ,	Redox Da	rk Surfac	e (F6)		³ Indicate	ors of hydrophytic vegetation and			
Sandy Mu	ucky Mineral (S1)		Depleted [Dark Surf	ace (F7)		wet	land hydrology must be present,			
5 cm Muc	ky Peat or Peat (S3))	Redox De	pression	s (F8)		unless disturbed or problematic.				
Restrictive L	ayer (if observed):										
	• • •										
Type:											
Type: Depth (ind Remarks: Crosby silt loa	ches):	as a hydri	ic soil.				Hydric Soil Prese	nt? Yes <u>No</u>			
Type: Depth (ind Remarks: Crosby silt loa	ches): am (CrA) is not rated	as a hydri	ic soil.				Hydric Soil Prese	nt? Yes No			
Type: Depth (ind Remarks: Crosby silt loa	ches): am (CrA) is not rated	as a hydri	ic soil.				Hydric Soil Prese	nt? Yes No)			
Type: Depth (ind Remarks: Crosby silt loa	ches): am (CrA) is not rated GY rology Indicators:	as a hydr	ic soil.				Hydric Soil Prese	nt? Yes No)			
Type: Depth (ind Remarks: Crosby silt loa IYDROLO Wetland Hyd Primary Indica	ches): am (CrA) is not rated GY rology Indicators: ators (minimum of or	as a hydr	ic soil. red; check all that	apply)			Hydric Soil Prese	nt? Yes No)			
Type: Depth (ind Remarks: Crosby silt loa IYDROLO Wetland Hyd Primary Indica Surface V	Ches): am (CrA) is not rated GY rology Indicators: ators (minimum of or Vater (A1)	as a hydri	ic soil. red; check all that Water-Sta	apply) ined Lea	ves (B9)		Hydric Soil Prese	nt? Yes No 2			
Type: Depth (ind Remarks: Crosby silt loa YDROLO Vetland Hyd Primary Indica Surface V High Wate	ches): am (CrA) is not rated GY rology Indicators: ators (minimum of or Vater (A1) er Table (A2)	as a hydri	ic soil. red; check all that Water-Sta Aquatic Fa	apply) ined Lea auna (B1	ves (B9) 3)		Hydric Soil Prese	nt? Yes No 2			
Type: Depth (ind Remarks: Crosby silt loa YDROLO Vetland Hyd Primary Indica Surface V High Wate Saturation	Ches): am (CrA) is not rated GY rology Indicators: ators (minimum of or Vater (A1) er Table (A2) h (A3)	as a hydri	red; check all that Water-Sta Aquatic Fa True Aqua	apply) ined Lea auna (B1	ves (B9) 3) s (B14)		Hydric Soil Prese	nt? Yes No 2			
Type: Depth (ind Remarks: Crosby silt loa Primary Indica Surface V High Wate Saturation Water Ma	Ches): am (CrA) is not rated GY rology Indicators: ators (minimum of or Vater (A1) er Table (A2) n (A3) irks (B1)	as a hydri	ic soil. red; check all that Water-Sta Aquatic Fa True Aqua Hydrogen	apply) ined Lea auna (B1 tic Plant Sulfide C	ves (B9) 3) s (B14) Ddor (C1)		Hydric Soil Prese	nt? Yes No 2			
Type: Depth (ind Remarks: Crosby silt loa YDROLO Wetland Hyd Primary Indica Surface V High Wate Saturatior Water Ma Sediment	Ches): am (CrA) is not rated GY rology Indicators: ators (minimum of or Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) ators (B2)	as a hydri	ic soil. red; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized Fa	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph	ves (B9) 3) s (B14) Ddor (C1) eres on L		Hydric Soil Prese	nt? Yes No 2			
Type: Depth (ind Remarks: Crosby silt loa IYDROLOO Wetland Hyd Primary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo	Ches): am (CrA) is not rated GY rology Indicators: ators (minimum of or Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) posits (B3) or Cruct (B4)	as a hydri	red; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence	apply) ined Lea auna (B1 tic Plant: Sulfide (Rhizosph of Reduc	ves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (iving Rc C4)	Hydric Soil Prese	nt? Yes No 2			
Type: Depth (ind Remarks: Crosby silt loa IYDROLOO Wetland Hyd Primary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mat	Ches): am (CrA) is not rated GY rology Indicators: ators (minimum of or Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) osits (B3) or Crust (B4) upper (B5)	as a hydr	red; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck	apply) ined Lea auna (B1 tic Plant: Sulfide (Rhizosph of Reduc n Reduc	ves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (tion in Ti (C7)	Living Rc C4)	Hydric Soil Prese Second Sur Dra Dra Dry Cra sots (C3) Stur s (C6) E of C6	nt? Yes No 2			
Type: Depth (ind Remarks: Crosby silt loa Primary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo	Ches): am (CrA) is not rated GY rology Indicators: ators (minimum of or Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) usits (B3) or Crust (B4) usits (B5) n Visible on Aerial Im	as a hydri	ic soil. red; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck	apply) ined Lea auna (B1 tic Plant: Sulfide C Rhizosph of Reduc n Reduc Surface Well Dat	ves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (tion in Ti (C7) a (D9)	iving Rc C4) Iled Soils	Hydric Soil Prese Second Sur Dra Dra Dry Cra sots (C3) Stur Stur Stur FAC	nt? Yes No 2 ary Indicators (minimum of two required face Soil Cracks (B6) inage Patterns (B10) -Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) omorphic Position (D2) C-Neutral Test (D5)			
Type: Depth (ind Remarks: Crosby silt loa YDROLOO Yetland Hyd Primary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundation Sparsely	Ches): am (CrA) is not rated GY rology Indicators: ators (minimum of or Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) osits (B3) or Crust (B4) usits (B5) n Visible on Aerial Im Vegetated Concave	as a hydri ne is requir nagery (B7 Surface (B	red; check all that Water-Sta Aquatic Fa True Aqua United Fa District Constraints Recent Iro Thin Muck Stall Other (Exc	apply) ined Lea auna (B1 tic Plant Sulfide C Rhizosph of Reduc n Reduc Sulface Well Dat	ves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (tion in Ti (C7) a (D9) emarks)	Living Ro C4) Iled Soils	Hydric Soil Prese Second Sur Dra Dry Cra sots (C3) Stur s (C6) FAC	ary Indicators (minimum of two require face Soil Cracks (B6) inage Patterns (B10) -Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) omorphic Position (D2) C-Neutral Test (D5)			
Type: Depth (ind Remarks: Crosby silt loa IYDROLOO Wetland Hyd Primary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundation Sparsely	Ches): am (CrA) is not rated GY rology Indicators: ators (minimum of or Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) osits (B3) or Crust (B4) osits (B5) n Visible on Aerial Im Vegetated Concave rations:	as a hydri ne is requir nagery (B7 Surface (B	red: check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 0 Gauge or 1 88) Other (Exp	apply) ined Lea auna (B1 tic Plant: Sulfide (Rhizosph of Reduc n Reduc Surface Well Dato olain in R	ves (B9) 3) s (B14) Odor (C1) eres on L ted Iron (tion in Ti (C7) a (D9) emarks)	iving Rc C4) Iled Soils	Hydric Soil Prese Second Sur Dra Dry Cra sots (C3) Stur s (C6) FAC	nt? Yes No 2			
Type: Depth (ind Remarks: Crosby silt loa Primary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundation Sparsely T Field Observ	Ches): am (CrA) is not rated GY rology Indicators: ators (minimum of or Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) osits (B3) or Crust (B4) osits (B5) n Visible on Aerial Im Vegetated Concave ations: er Present?	as a hydr.	ic soil. red; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck () Gauge or 1 88) Other (Exp	apply) ined Lea auna (B1 tic Plant Sulfide C Rhizosph of Reduc n Reduc Surface Well Dat olain in R	ves (B9) 3) s (B14) Odor (C1) eres on L eed Iron (tion in Ti (C7) a (D9) emarks)	.iving Rc C4) Iled Soils	Hydric Soil Prese Second Sur Dra Dry Cra sots (C3) Satu Stur Stur Stur FAC	nt? Yes No ary Indicators (minimum of two require face Soil Cracks (B6) inage Patterns (B10) -Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) omorphic Position (D2) C-Neutral Test (D5)			
Type: Depth (ind Remarks: Crosby silt loa IYDROLOO Wetland Hyd Primary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundation Sparsely ' Field Observ Surface Wate	Ches): am (CrA) is not rated GY rology Indicators: ators (minimum of or Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) osits (B3) or Crust (B4) usits (B5) n Visible on Aerial In Vegetated Concave ations: or Present? Yes	as a hydr	ic soil. red; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck () Gauge or 1 38) Other (Exp No X No X	apply) ined Lea auna (B1 tic Plant: Sulfide C Rhizosph of Reduc n Reduc Surface Well Dat blain in R Depth (ii Depth (ii	ves (B9) 3) s (B14) Odor (C1) eres on L teed Iron (tion in Ti (C7) a (D9) emarks) nches): _ nches):	Living Ro C4) Iled Soils	Hydric Soil Prese Second Sur Dra Dry Cra Sots (C3) Stur S (C6) FAC	nt? Yes No 2			
Type: Depth (ind Remarks: Crosby silt loa IYDROLO Wetland Hyd Primary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundation Sparsely Field Observ Surface Wate Nater Table F Saturation Pre	Ches): am (CrA) is not rated GY rology Indicators: ators (minimum of or Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) osits (B3) or Crust (B4) osits (B5) n Visible on Aerial Im Vegetated Concave rations: er Present? Yes esent? Yes	as a hydr	ic soil. red: check all that Water-Sta Aquatic Fa Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck O Gauge or 1 88) Other (Exp No X No X No X	apply) ined Lea auna (B1 tic Plant: Sulfide C Rhizosph of Reduc n Reduc Surface Well Dat blain in R Depth (ii Depth (ii Depth (ii	ves (B9) 3) s (B14) Odor (C1) eres on L ted Iron (tion in Ti (C7) a (D9) emarks) mches):nches): nches):	iving Rc C4) Iled Soils	Hydric Soil Prese Second Sur Dra Dry Cra Sots (C3) Stur S (C6) Geo FAC	nt? Yes No			
Type: Depth (ind Remarks: Crosby silt loa IYDROLOO Wetland Hyd Primary Indica Surface V High Wate Saturatior Water Ma Saturatior Drift Depo Algal Mat Iron Depo Inundation Sparsely Field Observ Surface Wate Nater Table F Saturation Pre- includes capi	Ches): am (CrA) is not rated GY rology Indicators: ators (minimum of or Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) osits (B3) or Crust (B4) osits (B5) n Visible on Aerial Im Vegetated Concave ations: or Present? Yes esent? Yes esent? Yes illary fringe)	as a hydr	ic soil. red; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck () Gauge or V 38) Other (Exp No X No X No X	apply) ined Lea auna (B1 tic Plant Sulfide C Rhizosph of Reduc n Reduc Surface Well Dat blain in R Depth (ii Depth (ii	ves (B9) 3) s (B14) Odor (C1) eres on L eed Iron (tion in Ti (C7) a (D9) emarks) nches): nches):	Living Rc C4) Iled Soils	Hydric Soil Prese Second Sur Dra Dry Cra sots (C3) Satu Stur Stur Stur Cra Stur How Stur Stur	nt? Yes No			
Type: Depth (ind Remarks: Crosby silt loa IYDROLOO Wetland Hyd Primary Indica Surface V High Water Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundation Sparsely V Field Observ Surface Water Nater Table F Saturation Pre includes capi Describe Rec	Ches): am (CrA) is not rated GY rology Indicators: ators (minimum of or Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) osits (B3) or Crust (B4) osits (B5) n Visible on Aerial Im Vegetated Concave ations: er Present? Yes esent? Yes esent? Yes esent? Yes orded Data (stream of the second orded Data (stream of the second the second orded Data (stream of the second orded Data (stream	as a hydr	ic soil. red; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck O Gauge or V 38) Other (Exp No X No X No X No X No X	apply) ined Lea auna (B1 tic Plant: Sulfide C Rhizosph of Reduc n Reduc Surface Well Dat blain in R Depth (ii Depth (ii Depth (ii n Depth (ii	ves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (tion in Ti (C7) a (D9) emarks) nches): nches): previous	Living Ro C4) Iled Soils	Hydric Soil Prese Second Sur	nt? Yes No			
Type: Depth (ind Remarks: Crosby silt loa IYDROLOO Netland Hyd Primary Indica Surface V High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundation Sparsely Surface Wate Vater Table F Saturation Pre Saturation Pre includes capi Describe Rec	Ches): am (CrA) is not rated GY rology Indicators: ators (minimum of or Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) osits (B3) or Crust (B4) usits (B5) n Visible on Aerial Im Vegetated Concave ations: ur Present? Yes esent? Yes esent? Yes esent? Yes esent? Yes	as a hydr	ic soil. red; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck Oxidized F Oxidized F Oxidized F Construction No X No X No X No X No X No X No X No X No X No X	apply) ined Lea auna (B1 tic Plant: Sulfide C Rhizosph of Reduc n Reduc Surface Well Dat blain in R Depth (ii Depth (ii Depth (ii	ves (B9) 3) s (B14) Odor (C1) eres on L ition in Ti (C7) a (D9) emarks) nches): nches): previous	Living Rc C4) Iled Soils	Hydric Soil Prese Second Sur	Mr Yes No ary Indicators (minimum of two required face Soil Cracks (B6) inage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) inted or Stressed Plants (D1) omorphic Position (D2) C-Neutral Test (D5) ogy Present? Yes No			

Project/Site: Parks a	at Decatur	City/C	County:	Camby/	/Mario	n		Sampling Date:	3/24/21		
Applicant/Owner:	Chris McK	inney/D.R. Horton						State:	IN	Sampling Point:	9
Investigator(s): Johr	n Dixon, Mat	t Buck		Section	n, Town	ship, Ra	nge:				
Landform (hillside, t	errace, etc.)	: Swell			Loca	ıl relief (c	concav	ve, conve	ex, none):	Convex	
Slope (%): 1	Lat: <u>39.6</u>	3311°N	Long	g: <u>086.2</u>	29628°W				Datum: WGS 84		
Soil Map Unit Name	: Crosby sil	t Ioam (CrA), 0-2 p	ercent slopes.					<u> </u>	WI class	sification:	
Are climatic / hydrole	ogic conditio	ons on the site typi	cal for this time of	year?	Yes	X	No		(If no, ex	xplain in Remarks.)	
Are Vegetation	, Soil	, or Hydrology	significantly di	isturbed?	Are "I	Normal C	Circum	stances"	' present'	? Yes <u>X</u> N	lo
Are Vegetation	, Soil	, or Hydrology	naturally probl	lematic?	(If ne	eded, ex	plain a	any answ	ers in Re	emarks.)	
SUMMARY OF	FINDING	S – Attach sit	e map showin	ng samp	oling p	oint lo	ocatio	ons, tra	ansect	s, important fe	atures, etc.
Hydrophytic Vegeta	ation Preser	t? Yes	No <u>X</u>	ls	the San	npled Aı	rea				
Hydric Soil Present	t?	Yes	No X	wi	thin a V	Vetland?	?	Y	/es	No X	
Wetland Hydrology	Present?	Yes	No <u>X</u>								

Remarks:

This is row crop ground.

VEGETATION – Use scientific names of plants.

				Absolute	Dominant	Indicator					
Tree Stratum	(Plot size:	30')	% Cover	Species?	Status	Dominance Tes	t worksh	eet:		
1							Number of Domi	nant Spec	cies That		
2.							Are OBL, FACW	, or FAC:	_	0	(A)
3.							Total Number of	Dominant	Species		
4.							Across All Strata	:	· _	1	(B)
5.							Percent of Domir	nant Spec	ies That		
					=Total Cover		Are OBL, FACW	, or FAC:	_	0.0%	(A/B)
Sapling/Shrub Stra	<u>tum</u> (Plot	size:	15')								
1							Prevalence Inde	x worksł	neet:		
2.							Total % Cov	ver of:	Mu	ltiply by:	
3.							OBL species	0	x 1 =	0	
4.							FACW species	0	x 2 =	0	
5.							FAC species	0	x 3 =	0	
					=Total Cover		FACU species	0	x 4 =	0	
Herb Stratum	(Plot size:	5')				UPL species	10	x 5 =	50	
1. Corn residue				90	Yes		Column Totals:	10	(A)	50	(B)
2. Lamium amplex	kicaule			10	No	UPL	Prevalence In	dex = B/A	۹ =	5.00	
3.											
4.							Hydrophytic Veg	getation I	ndicators	:	
5.							1 - Rapid Tes	st for Hyd	rophytic Ve	egetation	
6.							2 - Dominano	ce Test is	>50%		
7.							3 - Prevalenc	ce Index is	s ≤3.0 ¹		
8.							4 - Morpholo	gical Ada	ptations ¹ (F	Provide su	upporting
9.							data in Re	marks or	on a sepai	rate sheet	t)
10.							Problematic	Hydrophy	tic Vegetat	tion ¹ (Exp	lain)
				100	=Total Cover		¹ Indicators of hyd	tric soil ar	nd wetland	hydrology	v must
Woody Vine Stratu	m (Plot	size:	30')				be present, unles	s disturbe	ed or probl	ematic.	,
1							Hydrophytic				
2.							Vegetation				
					=Total Cover		Present?	Yes	No	Х	
Remarks: (Include	photo numbers	here or on	a separa	ite sheet.)							

US Army Corps of Engineers

Depth	Matrix		Redo	x Featur	es						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture			Remarks	
0-10	10YR 4/2						Loamy/Claye	ey			
10-16	10YR 5/4	70	10YR 4/2	15	D	М	Loamy/Claye	еу			
			10YR 5/2	10	D	М					
			10YR 5/6	5	С	PL					
						<u> </u>					
		<u> </u>									
Type: C=Co	ncentration, D=Depl	etion, RM:	=Reduced Matrix, N	/IS=Masl	ked Sand	l Grains.	2Loc	cation: P	L=Pore Lin	ing, M=Matri	X.
Hydric Soil I	ndicators:		Que de Ola		···· (0.4)		Ind	icators fo	or Problem	natic Hydric	Soils":
	(A1)		Sandy Gle	yed Mat	rix (S4)			Coast Pr	airie Redo	k (A16)	
Histic Epi	ipedon (A2)		Sandy Red	lox (S5)				Iron-Mar	iganese Ma	asses (F12)	
Black His	stic (A3)		Stripped M	latrix (Se	5)			Red Pare	ent Materia	I (F21)	
Hydroger	Sulfide (A4)		Dark Surfa	ice (S7)				Very Sha	allow Dark \$	Surface (F22)
Stratified	Layers (A5)		Loamy Mu	cky Mine	eral (F1)			Other (E	xplain in Re	emarks)	
2 cm Muc	ck (A10)		Loamy Gle	eyed Mat	rix (F2)						
Depleted	Below Dark Surface	(A11)	Depleted N	/latrix (F	3)		з.				
Thick Da	rk Surface (A12)		Redox Dai	k Surfac	e (F6)		Sind	licators of	hydrophyt	ic vegetation	and
Sandy M	ucky Mineral (S1)		Depleted I	Dark Sur	face (F7)			wetland	hydrology n	nust be pres	ent,
5 cm Muo	cky Peat or Peat (S3)	Redox Dep	pression	s (F8)			unless d	sturbed or	problematic.	
Restrictive L	ayer (if observed):										
	,										
Type:											
Type: Depth (in Remarks: Crosby silt loa	ches): am (CrA) is not rated	l as a hyd	ric soil.				Hydric Soil Pr	resent?		Yes	No
Type: Depth (in Remarks: Crosby silt los	ches): am (CrA) is not rated	l as a hyd	ric soil.				Hydric Soil Pr	esent?		Yes	No_>
Type: Depth (in Remarks: Crosby silt los	ches): am (CrA) is not rated	d as a hydi	ric soil.				Hydric Soil Pr	resent?		Yes	No _>
Type: _ Depth (in Remarks: Crosby silt loo IYDROLO Wetland Hyd	ches): am (CrA) is not rated GY frology Indicators:	l as a hyd	ric soil.				Hydric Soil Pr	resent?		Yes	No <u>></u>
Type: Depth (in Remarks: Crosby silt loo IYDROLO Wetland Hyc Primary Indic	ches): am (CrA) is not rated GY Irology Indicators: ators (minimum of o	l as a hydr	ric soil.	apply)			Hydric Soil Pr	condary Ir	ndicators (n	Yes	No >
Type: Depth (in Remarks: Crosby silt los IYDROLO IYDROLO Primary Indic Surface V	ches): am (CrA) is not rated GY frology Indicators: ators (minimum of o Vater (A1)	d as a hydi	ric soil. ired; check all that	apply)	ves (B9)		Hydric Soil Pr	condary Ir Surface	ndicators (n Soil Cracks	Yes	No >
Type: Depth (in Remarks: Crosby silt loc IYDROLO Wetland Hyc Primary Indic Surface V High Wat	ches): am (CrA) is not rated GY Irology Indicators: ators (minimum of o Nater (A1) er Table (A2)	l as a hydr	ric soil. ired; check all that Water-Sta Aquatic Fa	apply) ined Lea	ves (B9) 3)		Hydric Soil Pr	condary Ir Surface Drainage	ndicators (n Soil Cracks ∋ Patterns (Yes ninimum of tr s (B6) B10)	No >
Type: _ Depth (in Remarks: Crosby silt los IYDROLO Wetland Hyd Primary Indic Surface V High Wat Saturatio	ches): am (CrA) is not rated GY Irology Indicators: ators (minimum of o Water (A1) rer Table (A2) n (A3)	l as a hydr	ric soil. ired: check all that Water-Sta Aquatic Fa True Aqua	apply) ined Lea iuna (B1 tic Plant	ves (B9) 3) s (B14)		Hydric Soil Pr	condary Ir Surface Drainage Dry-Seas	<u>ndicators (n</u> Soil Cracks Patterns (son Water	Yes ninimum of tr s (B6) B10) Table (C2)	No >
Type: Depth (in Remarks: Crosby silt los IYDROLO Wetland Hyc Primary Indic Surface V High Wat Saturatio Water Ma	ches): am (CrA) is not rated GY Irology Indicators: ators (minimum of o Vater (A1) ter Table (A2) n (A3) arks (B1)	l as a hydr	ric soil. ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen	apply) ined Lea iuna (B1 tic Plant Sulfide (ves (B9) 3) s (B14) Ddor (C1)		Hydric Soil Pr	condary Ir Surface Drainage Dry-Seas Crayfish	adicators (n Soil Cracks Patterns (Burrows (C	Yes ninimum of tr s (B6) B10) Table (C2) C8)	No >
Type: Depth (in Remarks: Crosby silt los IYDROLO Wetland Hyc Primary Indic Surface V High Wat Saturatio Water Ma Sediment	ches): am (CrA) is not rated GY frology Indicators: ators (minimum of o Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2)	d as a hydi	ric soil. ired; check all that i Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized Fa	apply) ined Lea iuna (B1 tic Plant Sulfide (thizosph	ves (B9) 3) s (B14) Ddor (C1) eres on L		Hydric Soil Pr	condary Ir Surface Drainage Dry-Seas Crayfish Saturatio	ndicators (n Soil Cracks Patterns (son Water Burrows (C on Visible o	Yes ninimum of tr s (B6) B10) Table (C2) C8) n Aerial Imag	No >
Type: Depth (in Remarks: Crosby silt loc IYDROLO Vetland Hyc Primary Indic Surface V High Wat Saturatio Water Ma Sediment Drift Dep	ches): am (CrA) is not rated GY Irology Indicators: ators (minimum of o Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3)	l as a hydr	ric soil. ired; check all that i Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence	apply) ined Lea iuna (B1 tic Plant Sulfide (Shizosph of Reduc	ves (B9) 3) s (B14) Ddor (C1) eres on L ced Iron (iving Rc C4)	Hydric Soil Pr	condary Ir Surface Drainage Dry-Seas Crayfish Saturatic Stunted	ndicators (n Soil Cracks Patterns (Son Water Burrows (C on Visible o or Stressec	Yes ninimum of tr s (B6) B10) Table (C2) C8) n Aerial Imag d Plants (D1)	No >
Type: Depth (in Remarks: Crosby silt los IYDROLO Wetland Hyc Primary Indic Surface V High Wat Saturatio Water Ma Sediment Drift Depo Algal Mat	ches): am (CrA) is not rated GY Irology Indicators: ators (minimum of o Vater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4)	l as a hydr	ric soil. ired; check all that i Water-Sta Aquatic Fa True Aqua True Aqua Oxidized Fa Citized F	apply) ined Lea iuna (B1 tic Plant Sulfide (thizosph of Reduc n Reduc	ves (B9) 3) s (B14) Ddor (C1) eres on L ced Iron (tion in Til	iving Ro C4) Iled Soils	Hydric Soil Pr	condary Ir Surface Drainage Dry-Seas Crayfish Saturatic Stunted Geomore	ndicators (n Soil Cracks Patterns (Son Water Burrows (C on Visible o or Stressec ohic Positio	Yes <u>ninimum of tr</u> s (B6) B10) Table (C2) C8) n Aerial Imag d Plants (D1) on (D2)	No >
Type: Depth (in Remarks: Crosby silt los IYDROLO Wetland Hyo Primary Indic Surface V High Wat Saturatio Water Ma Sediment Drift Depu Algal Mat Iron Depo	ches): am (CrA) is not rated GY frology Indicators: ators (minimum of o Water (A1) rer Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5)	l as a hydr	ric soil. ric soil. Water-Sta Aquatic Fa Aquatic Fa — True Aqua — Hydrogen — Oxidized Fa — Presence of — Recent Iro — Thin Muck	apply) ined Lea iuna (B1 tic Plant Sulfide (thizosph of Reduc n Reduc Surface	ves (B9) 3) s (B14) Ddor (C1) eres on L ced Iron (tion in Til c (C7)	iving Rc C4) Iled Soils	Hydric Soil Pr Sec	condary Ir Surface Drainage Dry-Seas Crayfish Saturatic Stunted Geomorp FAC-Net	adicators (n Soil Cracks Patterns (Son Water Burrows (C on Visible o or Stressec ohic Positio utral Test (I	Yes <u>ninimum of tr</u> 5 (B6) B10) Table (C2) C8) n Aerial Imag J Plants (D1) on (D2) D5)	No >
Type: Depth (in Remarks: Crosby silt los IYDROLO Wetland Hyc Primary Indic Surface V High Wat Saturatio Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundatio	ches): am (CrA) is not rated GY frology Indicators: ators (minimum of o Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) n Visible on Aerial Ir	l as a hydr	ric soil. ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized Fa Presence Recent Iro Thin Muck 7) Gauge or V	apply) ined Lea iuna (B1 tic Plant Sulfide (Chizosph of Reduc n Reduc Surface Well Dat	ves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (tion in Til (C7) a (D9)	iving Rc C4) led Soils	Hydric Soil Pr Sec	condary Ir Surface Drainage Dry-Seas Crayfish Saturatic Stunted Geomorp FAC-Neu	adicators (n Soil Cracks Patterns (Son Water ⁻ Burrows (C on Visible o or Stressed ohic Positio utral Test (I	Yes ninimum of tr s (B6) B10) Table (C2) C8) n Aerial Imag d Plants (D1) on (D2) D5)	No _>
Type: Depth (in Remarks: Crosby silt loo IYDROLO Wetland Hyc Primary Indic Surface V High Wat Saturatio Water Ma Sediment Drift Dept Algal Mat Iron Depc Inundatio Sparsely	ches): am (CrA) is not rated GY Irology Indicators: ators (minimum of o Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) n Visible on Aerial Ir Vegetated Concave	l as a hydr ne is requi nagery (B' Surface (I	ric soil. ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or V 38) Other (Exp	apply) ined Lea uuna (B1 tic Plant Sulfide (thizosph of Reduc n Reduc Surface Well Dat blain in R	ves (B9) 3) s (B14) Ddor (C1) eres on L ced Iron (tion in Til c(C7) a (D9) cemarks)	iving Ro C4) Iled Soils	Hydric Soil Pr	condary Ir Surface Drainage Dry-Seas Crayfish Saturatic Stunted Geomorp FAC-Net	ndicators (n Soil Cracks Patterns (Son Water Burrows (C on Visible o or Stressec ohic Positio utral Test (I	Yes ninimum of tr s (B6) B10) Table (C2) C8) n Aerial Imag d Plants (D1) on (D2) D5)	No >
Type: Depth (in Remarks: Crosby silt los IYDROLO Wetland Hyd Primary Indic Surface V High Wat Saturatio Water Ma Sediment Orift Depo Algal Mat Iron Depo Inundatio Sparsely Field Observ	ches): am (CrA) is not rated GY Irology Indicators: ators (minimum of o Vater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) n Visible on Aerial Ir Vegetated Concave vations:	l as a hydr ne is requi nagery (B ⁻ Surface (I	ric soil. ired; check all that . Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized Fa Presence a Recent Iro Thin Muck 7) Gauge or V 38) Other (Exp	apply) ined Lea iuna (B1 tic Plant Sulfide (thizosph of Reduc n Reduc Surface Well Dat olain in R	ves (B9) 3) s (B14) Ddor (C1) eres on L ced Iron (tion in Til (C7) a (D9) emarks)	iving Rc C4) Iled Soils	Hydric Soil Pr	condary Ir Surface Drainage Dry-Seas Crayfish Saturatic Stunted Geomory FAC-Net	ndicators (n Soil Cracks Patterns (Son Water Burrows (C on Visible o or Stressec ohic Positio utral Test (I	Yes <u>ninimum of tr</u> s (B6) B10) Table (C2) C8) n Aerial Imag d Plants (D1) on (D2) D5)	No >
Type: Depth (in Remarks: Crosby silt los IYDROLO Wetland Hyo Primary Indic Surface V High Wat Saturatio Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundatio Sparsely Field Observ Surface Wate	ches): am (CrA) is not rated GY frology Indicators: ators (minimum of o Water (A1) rer Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) n Visible on Aerial Ir Vegetated Concave vations: er Present? Ye	l as a hydr ne is requi nagery (B Surface (I	ric soil. ired; check all that Water-Sta Aquatic Fa Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or 1 38) Other (Exp	apply) ined Lea una (B1 tic Plant Sulfide (thizosph of Reduc n Reduc Surface Well Dat lain in R Depth (i	ves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (tion in Til c (C7) a (D9) cemarks) cemarks):	iving Rc C4) Ied Soils	Hydric Soil Pr	condary Ir Surface Drainage Dry-Seas Crayfish Saturatic Stunted Geomory FAC-Neu	adicators (n Soil Cracks Patterns (Son Water ⁻ Burrows (C on Visible o or Stressec ohic Positio utral Test (I	Yes ninimum of tr (B6) B10) Table (C2) (C8) n Aerial Imaged Plants (D1) on (D2) (D5)	No >
Type: Depth (in Remarks: Crosby silt los IYDROLO Wetland Hyc Primary Indic Surface V High Wat Saturatio Water Ma Sediment Orift Depo Algal Mat Iron Depo Inundatio Sparsely Field Observ Surface Wate Water Table	ches): am (CrA) is not rated GY frology Indicators: ators (minimum of o Vater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) n Visible on Aerial Ir Vegetated Concave vations: er Present? Ye Present? Ye	as a hydr ne is requinagery (B' Surface (I s	ric soil. ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or V 38) Other (Exp No X No X	apply) ined Lea una (B1 tic Plant Sulfide (Sulfide (Chizosph of Reduc n Reduc Surface Vell Dat blain in R Depth (i Depth (i	ves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (tion in Til (C7) a (D9) cemarks) a (D9) cemarks): 	iving Ro C4) Iled Soils	Hydric Soil Pr	condary Ir Surface Drainage Dry-Seas Crayfish Saturatic Stunted Geomorp FAC-Neu	adicators (n Soil Cracks Patterns (Son Water ⁻ Burrows (C on Visible o or Stressec ohic Positio utral Test (I	Yes ninimum of tr s (B6) B10) Table (C2) C8) n Aerial Imag d Plants (D1) on (D2) D5)	No >
Type: Depth (in Remarks: Crosby silt los IYDROLO Wetland Hyc Primary Indic Surface V High Wat Saturatio Water Ma Sediment Orift Depu Algal Mat Iron Depc Inundatio Sparsely Field Observ Surface Wate Water Table Saturation Pr	ches): am (CrA) is not rated GY Irology Indicators: ators (minimum of o Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) n Visible on Aerial Ir Vegetated Concave vations: er Present? Ye Present? Ye	as a hydr ne is requi nagery (B' Surface (I sss	ric soil. ired: check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence of Recent Iro Thin Muck 7) Gauge or V 38) Other (Exp No X No X	apply) ined Lea una (B1 tic Plant Sulfide (Sulfide (Chizosph of Reduc n Reduc Surface Well Dat blain in R Depth (i Depth (i	ves (B9) 3) s (B14) Ddor (C1) eres on L ced Iron (tion in Til c(C7) a (D9) cemarks) nches): nches):	iving Ro C4) Iled Soils	Hydric Soil Pr	condary Ir Surface Drainage Dry-Seas Crayfish Saturatic Stunted Geomorp FAC-Net	ndicators (n Soil Cracks Patterns (Son Water ⁻ Burrows (C on Visible o or Stressec ohic Positio utral Test (I Present?	Yes ninimum of tr s (B6) B10) Table (C2) 28) n Aerial Imag d Plants (D1) on (D2) D5) Yes	No _>
Type: Depth (in Remarks: Crosby silt los IYDROLO Wetland Hyde Primary Indic Surface V High Wate Saturatio Water Ma Sediment Orift Depo Algal Mat Iron Depo Inundatio Sparsely Field Observ Surface Wate Water Table Saturation Pr (includes cap	ches): am (CrA) is not rated GY Irology Indicators: ators (minimum of o Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) n Visible on Aerial Ir Vegetated Concave /ations: er Present? Ye esent? Ye esent? Ye	as a hydr ne is requinagery (B Surface (I ss	ric soil. ired: check all that. Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized Fa Presence of Recent Iro Thin Muck 7) Gauge or V 38) Other (Exp No X No X No X No X	apply) ined Lea iuna (B1 tic Plant Sulfide C thizosph of Reduc n Reduc Surface Well Dat blain in R Depth (i Depth (i	ves (B9) 3) s (B14) Ddor (C1) eres on L ced Iron (tion in Til (C7) a (D9) eemarks) a (D9) eemarks): nches):	iving Rc C4) Iled Soils	Hydric Soil Pr	condary Ir Surface Drainage Dry-Seas Crayfish Saturatic Stunted Geomory FAC-Net	ndicators (n Soil Cracks Patterns (son Water ⁻ Burrows (C on Visible o or Stressec ohic Positio utral Test (I Present?	Yes ninimum of tr s (B6) B10) Table (C2) C8) n Aerial Imag d Plants (D1) on (D2) D5) Yes	No _>
Type: Depth (in Remarks: Crosby silt los IYDROLO Wetland Hyo Primary Indic Surface V High Wat Saturatio Water Ma Sediment Orift Depo Algal Mat Iron Depo Inundatio Sparsely Field Observ Surface Wate Nater Table Saturation Pr includes cap Describe Rec	ches): am (CrA) is not rated GY Irology Indicators: ators (minimum of o Vater (A1) rer Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B3) t or Crust (B4) osits (B5) n Visible on Aerial Ir Vegetated Concave Vations: er Present? Ye essent? Ye essent? Ye illary fringe)	as a hydr ne is requinagery (B' Surface (B' Surface (B' Surface (B' Surface (B' Surface (B' Surface (B' Surface (B' Surface (B') Surface (B') Surfac	ric soil. ired; check all that Water-Sta Aquatic Fa Aquatic Fa True Aqua Hydrogen Oxidized F Presence of Recent Iro Thin Muck 7) Gauge or V 38) Other (Exp No X No X No X No X No X	apply) ined Lea una (B1 tic Plant Sulfide (thizosph of Reduc n Reduc Surface Well Dat blain in R Depth (i Depth (i Depth (i	ves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (tion in Til c(C7) a (D9) emarks) a (D9) cemarks): 	iving Rc C4) Iled Soils	Hydric Soil Pr	condary Ir Surface Drainage Dry-Seas Crayfish Saturatic Stunted Geomory FAC-Net	adicators (n Soil Cracks Patterns (son Water ⁻ Burrows (C on Visible o or Stressec ohic Positio utral Test (I Present?	Yes ninimum of tr (B6) B10) Table (C2) C8) n Aerial Imag Plants (D1) on (D2) D5) Yes	No _> wo require gery (C9)
Type: Depth (in Remarks: Crosby silt los IYDROLO Wetland Hyce Primary Indic Surface V High Wat Saturatio Water Ma Sediment Orift Depo Algal Mat Iron Depo Inundatio Sparsely Field Observ Surface Wate Nater Table Saturation Pr includes cap Describe Rec	ches): am (CrA) is not rated GY frology Indicators: ators (minimum of o Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) n Visible on Aerial Ir Vegetated Concave vations: er Present? Ye esent? Ye esent? Ye iillary fringe) corded Data (stream	as a hydr ne is requinagery (B: Surface (I ssssss	ric soil. ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence of Recent Iro Thin Muck 7) Gauge or V 38) Other (Exp No X No X No X No X No X No X	apply) ined Lea una (B1 tic Plant Sulfide C chizosph of Reduc n Reduc Surface Well Dat blain in R Depth (i Depth (i Depth (i Depth (i	ves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (tion in Til (C7) a (D9) emarks) nches): nches): nches):	Living Rc C4) led Soils	Hydric Soil Pr	condary Ir Surface Drainage Dry-Seas Crayfish Saturatic Stunted Geomorp FAC-Neu drology F	ndicators (n Soil Cracks Patterns (Son Water ⁻ Burrows (C on Visible o or Stressec ohic Positio utral Test (I Present?	Yes ninimum of tr s (B6) B10) Table (C2) C8) n Aerial Imag d Plants (D1) on (D2) D5) Yes	No wo require

Project/Site: Parks a	at Decatur			City/Cour	ity: Camb	oy/Mario	'n		Sampling Date:	3/24/21
Applicant/Owner:	Chris McKi	nney/D.R. Horton					State:	IN	Sampling Point:	10
Investigator(s): John	Dixon, Matt	Buck		Section, To	ownship, F	Range:	S22 T1	4N R2E		
Landform (hillside, te	errace, etc.):	Swale		L	ocal relief.	i (conca v	/e, conve	x, none):	Linear	
Slope (%): 2	Lat: <u>39.63</u>	3441°N		Long: <u>0</u> ;	36.29660°	W			Datum: WGS 84	
Soil Map Unit Name:	: Crosby silt	loam (CrA), 0-2 pe	ercent slopes.				N	IWI class	ification:	
Are climatic / hydrolo	ogic conditio	ns on the site typic	cal for this time of y	ear?	Yes <u>X</u>	No)	(If no, ex	plain in Remarks.)	
Are Vegetation	, Soil	, or Hydrology	significantly dis	sturbed? A	re "Norma	d Circum	istances"	present?	Yes X No	o
Are Vegetation	, Soil	, or Hydrology	naturally proble	ematic? (I	i needed, [,]	explain a	any answ	ers in Re	marks.)	
SUMMARY OF	FINDING	S – Attach site	e map showing	g samplin	g point	locatio	ons, tra	ansects	s, important fea	itures, etc.
Hydrophytic Vegeta	ation Present	(? Yes	No X	Is the	Sampled	Area				
Hydric Soil Present	?	Yes X	No	within	a Wetlan	/d?	Y	'es	No X	
Wetland Hydrology	Present?	Yes	No <u>X</u>							
Remarks:										

VEGETATION – Use scientific names of plants.

				Absolute	Dominant	Indicator					
Tree Stratum	(Plot size:	30'	_	% Cover	Species?	Status	Dominance Tes	t workshe	eet:		
1							Number of Domi	nant Spec	ies That		
2.							Are OBL, FACW	, or FAC:	_	0	(A)
3.							Total Number of	Dominant	Species		
4.							Across All Strata	:	· _	1	(B)
5.							Percent of Domir	hant Spec	ies That		
			_		=Total Cover		Are OBL, FACW	, or FAC:	_	0.0%	(A/B)
Sapling/Shrub Strat	t <u>um</u> (Plot	size: 15	')								
1.							Prevalence Inde	x worksł	neet:		
2.							Total % Cov	ver of:	Mul	tiply by:	
3.							OBL species	0	x 1 =	0	
4.							FACW species	0	x 2 =	0	_
5.							FAC species	0	x 3 =	0	_
					=Total Cover		FACU species	0	x 4 =	0	_
Herb Stratum	(Plot size:	5'	_				UPL species	10	x 5 =	50	_
1. Corn residue				70	Yes		Column Totals:	10	(A)	50	(B)
2. Lamium amplex	kicaule			10	No	UPL	Prevalence In	dex = B/A		5.00	_ ` `
3.											_
4.							Hydrophytic Ve	getation I	ndicators:		
5.							1 - Rapid Te	st for Hyd	rophytic Ve	getation	
6.					·		 2 - Dominano	ce Test is	>50%	0	
7.							3 - Prevalenc	ce Index is	s ≤3.0 ¹		
8.					·		4 - Morpholo	aical Ada	otations ¹ (F	Provide su	ipporting
9.							data in Re	marks or	on a separ	ate sheet)
10.							Problematic	Hvdrophv	tic Vegetat	ion ¹ (Exp	ain)
				80	=Total Cover		¹ Indicators of hys	rio opil or	d wotland		(muot
Woody Vine Stratur	m (Plot	size: 30	')				be present, unles	ss disturbe	ed or proble	ematic.	musi
1.	_ 、		^								
2.					·		Hydrophytic				
					=Total Cover		Present?	Yes	No	Х	
Remarks: (Include	photo numbers	here or on a	separate	e sheet.)							

Project/Site: Parks a	at Decatur	City/County: Ca	amby/Marion			Sampling Date:	3/24/21
Applicant/Owner:	Chris McKinney/D.R. Horton		s	State:	IN	Sampling Point:	11
Investigator(s): John	Dixon, Matt Buck	Section, Township	o, Range:	S22 T14	4N R2E		
Landform (hillside, te	errace, etc.): Floodplain	Local re	lief (concave,	, conve>	<, none):	Linear	
Slope (%): 0	Lat: <u>39.63573°N</u>	Long: 086.2951	19°W			Datum: WGS 84	
Soil Map Unit Name	: Treaty silty clay loam (ThrA), 0-2 percent slor	pes.		N	WI class	ification:	
Are climatic / hydrolc	ogic conditions on the site typical for this time of	of year? Yes	X No	((lf no, ex	plain in Remarks.)	
Are Vegetation	_, Soil, or Hydrologysignificantly	v disturbed? Are "Nor	mal Circumst	tances"	present?	Yes X No	o
Are Vegetation	_, Soil, or Hydrologynaturally pro	oblematic? (If neede	d, explain an	iy answe	ers in Re	marks.)	
SUMMARY OF	FINDINGS – Attach site map show	ring sampling poir	nt locatior	ns, tra	nsects	s, important fea	itures, etc.
Hydrophytic Vegeta	ation Present? Yes X No	Is the Sample	ed Area				

Hydrophytic Vegetation Present?	Yes X	NO	is the Sampled Area		
Hydric Soil Present?	Yes X	No	within a Wetland?	Yes X	No
Wetland Hydrology Present?	Yes X	No			
Remarks:					
This appears to be an emergent w	eltand (Wetland	d B), approximately 0.1	7 +/- acres in size.		

VEGETATION – Use scientific names of plants.

				Absolute	Dominant	Indicator					
Tree Stratum	(Plot size:	30')	% Cover	Species?	Status	Dominance Tes	t workshe	et:		
1							Number of Domi	nant Spec	ies That		
2.							Are OBL, FACW	, or FAC:		3	(A)
3.							Total Number of	Dominant	Species		
4.							Across All Strata	:	_	4	(B)
5.							Percent of Domi	nant Speci	ies That		
			_		=Total Cover		Are OBL, FACW	, or FAC:		75.0%	(A/B)
Sapling/Shru	<u>b Stratum</u> (Plo	t size: 1	5')								
1.							Prevalence Inde	ex worksh	eet:		
2.							Total % Cov	ver of:	Mult	tiply by:	
3.							OBL species	10	x 1 =	10	-
4.							FACW species	60	x 2 =	120	-
5.							FAC species	25	x 3 =	75	—
					=Total Cover		FACU species	10	x 4 =	40	-
Herb Stratun	n (Plot size:	5') –				UPL species	0	x 5 =	0	-
1. Phalaris	arundinacea			30	Yes	FACW	Column Totals:	105	(A)	245	(B)
2. Carex bl	anda			25	Yes	FAC	Prevalence In	idex = B/A	$\lambda = 2$	2.33	_ ` `
3. Solidago	gigantea			20	Yes	FACW					-
4. Glvceria	striata			10	No	OBL	Hvdrophvtic Ve	detation l	ndicators:		
5. Epilobiur	n hirsutum			10	No	FACW	1 - Rapid Te	st for Hvdr	ophytic Ve	aetation	
6.							X 2 - Dominan	ce Test is	>50%	0	
7							X 3 - Prevalen	ce Index is	< 3 0 ¹		
8							4 - Morpholo	nical Adar	otations ¹ (P	rovide su	oportina
٥. ٩							data in Re	marks or o	on a separa	ate sheet)	op 01
10							Problematic	Hydrophyt	ic Vegetati	on ¹ (Evol	ain)
10				95	-Total Cover						
Woody Vine	<u>Stratum</u> (Plo	t size: 3	0')				be present, unles	ss disturbe	d wetland i ed or proble	matic.	must
1. Rosa mu	ltiflora			10	Yes	FACU	Hydrophytic				
2.							Vegetation				
			_	10	=Total Cover		Present?	Yes X	No		
Pomorko: (l	aluda nhata numbar	hara ar an	aanarat	o oboot)							

(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-10	10YR 2/1	100					Loamy/Clayey	
10-16	10YR 2/1	60	10YR 3/1	30	D	М	Loamy/Clayey	
			2.5YR 5/2	10	D	PL		
	noontration D Don	Lation DM	Deduced Metrix				² l apotio	n. D. Daro Lining M. Matrix
lydric Soil l	ndicators:			10=11185	keu Sanu	Giallis		ors for Problematic Hydric Soils ³
Histosol (Sandy Gle	ved Mat	rix (S4)		Coa	ast Prairie Redox (A16)
Histic Epi	pedon (A2)		Sandy Re	dox (S5)	iix (0 i)		lron	-Manganese Masses (F12)
Black His	tic (A3)		Stripped N	latrix (S6	6)		Rec	Parent Material (F21)
Hydrogen	Sulfide (A4)		X Dark Surfa	ace (S7)	,		Ver	y Shallow Dark Surface (F22)
Stratified	Layers (A5)		Loamy Mu	cky Mine	eral (F1)		Oth	er (Explain in Remarks)
2 cm Muc	ck (A10)		Loamy Gle	eyed Mat	trix (F2)			-
Depleted	Below Dark Surface	; (A11)	X Depleted I	Matrix (F	3)			
Thick Dar	rk Surface (A12)		Redox Da	rk Surfac	e (F6)		³ Indicate	ors of hydrophytic vegetation and
Sandy Mu	ucky Mineral (S1)		X Depleted I	Dark Sur	face (F7)		wet	and hydrology must be present,
5 cm Muc	cky Peat or Peat (S3	5)	Redox De	pression	s (F8)		unle	ess disturbed or problematic.
estrictive L Type: Depth (ind emarks:	ayer (if observed):						Hydric Soil Prese	nt? Yes <u>X</u> No
Restrictive L Type: _ Depth (ind Remarks: Treaty silty cl	ayer (if observed): ches): ay loam (ThrA) is ra	ted as a hy	ydric soil.				Hydric Soil Prese	nt? Yes <u>X</u> No
Restrictive L Type: _ Depth (ind Remarks: Treaty silty cl	ayer (if observed): ches): ay loam (ThrA) is ra	ted as a h	ydric soil.				Hydric Soil Prese	nt? Yes <u>X</u> No_
Restrictive L Type: _ Depth (ind Remarks: Treaty silty cl YDROLO Vetland Hyd	ayer (if observed): ches): ay loam (ThrA) is ra GY Irology Indicators:	ted as a h	ydric soil.				Hydric Soil Prese	nt? Yes <u>X</u> No
Restrictive L Type: _ Depth (ind Remarks: Treaty silty cl YDROLO Vetland Hyd Primary Indic	ayer (if observed): ches): ay loam (ThrA) is ra GY Irology Indicators: ators (minimum of o	ted as a h	ydric soil.	apply)			Hydric Soil Prese	nt? Yes X No
Restrictive L Type: _ Depth (ind Remarks: Treaty silty cl YDROLO Yetland Hyd Primary Indic X_Surface V	ayer (if observed): ches): ay loam (ThrA) is ra GY Irology Indicators: ators (minimum of o Vater (A1)	ted as a hị <u>ne is requ</u>	ydric soil. ired; check all that Water-Sta	apply) ined Lea	ives (B9)		Hydric Soil Prese	nt? Yes X No
Restrictive L Type: _ Depth (ind Remarks: Treaty silty cl YDROLO Yetland Hyd Primary Indic X_Surface V X_High Wat	ayer (if observed): ches): ay loam (ThrA) is ra GY Irology Indicators: ators (minimum of o Vater (A1) er Table (A2)	ted as a hy	ydric soil. ired: check all that Water-Sta Aquatic Fa	apply) ined Lea auna (B1	ives (B9) 3)		Hydric Soil Prese	nt? Yes X No ary Indicators (minimum of two require face Soil Cracks (B6) inage Patterns (B10)
Restrictive L Type: _ Depth (ind Remarks: Treaty silty cl YDROLO Yetland Hyd Primary Indic X Surface V X High Wat X Saturation	ayer (if observed): ches): ay loam (ThrA) is ra GY Irology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3)	ted as a h	ydric soil. ired; check all that Water-Sta Aquatic Fa True Aqua	apply) ined Lea auna (B1 tic Plant	ives (B9) 3) s (B14)		Hydric Soil Prese	nt? Yes X No ary Indicators (minimum of two require face Soil Cracks (B6) inage Patterns (B10) -Season Water Table (C2)
Restrictive L Type: _ Depth (ind Remarks: Freaty silty cl Primary silty cl Primary Indic X_Surface V X_High Wat X_Saturation Water Ma	ayer (if observed): ches): ay loam (ThrA) is ra GY Irology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) arks (B1)	ted as a hị	ydric soil. ired; check all that Water-Sta True Aquat True Aqua Hydrogen	apply) ined Lea auna (B1 tic Plant Sulfide (ves (B9) 3) s (B14) Ddor (C1)		Hydric Soil Prese	nt? Yes X No ary Indicators (minimum of two require face Soil Cracks (B6) inage Patterns (B10) -Season Water Table (C2) yfish Burrows (C8)
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Project/Site: Parks	at Decatur			City/County:	Camby/Maric	วท		Sampling Date:	3/24/21
Applicant/Owner:	Chris Mcł	Kinney/D.R. Horton	1			State:	IN	Sampling Point:	12
Investigator(s): Joh	n Dixon, Ma	tt Buck		Section, Towr	ship, Range:	S22 T1	I4N R2E		
Landform (hillside,	terrace, etc.): Floodplain		Loca	al relief (conca [,]	ve, conve	∍x, none):	: Linear	
Slope (%): 2	Lat: <u>39.</u> €	3547°N		Long: <u>086.</u> 2	29430°W			Datum: WGS 84	
Soil Map Unit Name	e: Treaty silt	y clay loam (ThrA),	, 0-2 percent slopes.			<u> </u>	√WI class	sification:	
Are climatic / hydro	logic conditi [,]	ons on the site typic	cal for this time of ye	ar? Yes	₃ <u>X</u> No	0	(If no, e)	xplain in Remarks.)	
Are Vegetation	, Soil	, or Hydrology	significantly dist	urbed? Are "	Normal Circun	nstances"	' present?	? Yes X Nr	0
Are Vegetation	_, Soil	, or Hydrology	naturally probler	natic? (If ne	eded, explain	any answ	vers in Re	emarks.)	
SUMMARY OF	FINDING	S – Attach sit	e map showing	sampling r	oint locati	ions, tra	ansect	s, important fea	atures, etc.
Hydrophytic Veget	ation Preser	nt? Yes X	No	Is the Sa	mpled Area			N	

Hydrophylic vegetation Present?			is the Samplet Area		
Hydric Soil Present?	Yes X	No	within a Wetland?	Yes X	No
Wetland Hydrology Present?	Yes X	No			
Remarks:					
This appears to be an emergent we	eltand (Wetland	IC), approximately 0.1	1 +/- acres in size.		

VEGETATION – Use scientific names of plants.

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
1				Number of Dominant Species That
2.				Are OBL, FACW, or FAC: 2 (A)
3				Total Number of Dominant Species
4.				Across All Strata: <u>3</u> (B)
5				Percent of Dominant Species That
		=Total Cover		Are OBL, FACW, or FAC: <u>66.7%</u> (A/B)
Sapling/Shrub Stratum (Plot size: 15')				
1				Prevalence Index worksheet:
2.				Total % Cover of: Multiply by:
3.				OBL species 10 x 1 = 10
4.				FACW species 55 x 2 = 110
5.				FAC species 25 x 3 = 75
		=Total Cover		FACU species 15 x 4 = 60
Herb Stratum (Plot size: 5')		1		UPL species 0 x 5 = 0
1. Phalaris arundinacea	30	Yes	FACW	Column Totals: 105 (A) 255 (B)
2. Carex blanda	25	Yes	FAC	Prevalence Index = $B/A = 2.43$
3. Solidago gigantea	15	No	FACW	
4. Glyceria striata	10	No	OBL	Hydrophytic Vegetation Indicators:
5. Epilobium hirsutum	10	No	FACW	1 - Rapid Test for Hydrophytic Vegetation
6.				X 2 - Dominance Test is >50%
7.				X 3 - Prevalence Index is $\leq 3.0^1$
8.				4 - Morphological Adaptations ¹ (Provide supporting
9.				data in Remarks or on a separate sheet)
10.				Problematic Hydrophytic Vegetation ¹ (Explain)
	90	=Total Cover		¹ Indicators of hydric soil and wetland hydrology must
Woody Vine Stratum (Plot size: 30')				be present, unless disturbed or problematic.
1. Rosa multiflora	15	Yes	FACU	Hydrophytic
2.				Vegetation
	15	=Total Cover		Present? Yes X No
Pomarka: (Includo photo numbora horo or on a sonar	ato shoot)			

(inches) Color (moist) % Type LoamyClayey 0-10 10YR 2/1 100 0 DYR 3/1 15 D M LoamyClayey 10-16 10YR 2/1 75 10YR 3/1 15 D M LoamyClayey 10-16 10YR 2/1 75 10YR 3/1 15 D M LoamyClayey 10-16 10YR 2/1 75 10YR 3/1 D PL LoamyClayey 10-16 10YR 2/1 75 10YR 3/1 D PL LoamyClayey 10-16 10YR 2/1 75 10YR 3/1 D PL LoamyClayey 10 10 10 10 D PL LoamyClayey Indicators Indicators 11 10 10 10 Sandy Redox (53) Indicators Indicators of Problematic Mydroic Solls*: 11 10 10 Loamy Muky Mineral (51) Depixed Matrix (73) Todactors of hydrophytic vagetation and sandy Muky Mineral (51) Cole Playe Alog Playe Alog Play	Depth	Matrix		Redo	x Featur	es			
D-10 10YR 2/1 100 LoamyClayey 10-16 10YR 2/1 75 10YR 3/1 15 D M LoamyClayey 10-16 10YR 2/1 75 10YR 3/1 15 D M LoamyClayey 10-16 10YR 2/1 75 10YR 3/1 15 D M LoamyClayey 10-16 10YR 2/1 75 10YR 3/1 15 D M LoamyClayey 10-16 10YR 2/1 75 10YR 2/1 D PL	(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
10-18 10YR 2/1 75 10YR 3/1 15 D M LearnyClayey	0-10	10YR 2/1	100					Loamy/Clayey	
2.5YR 5/2 10 D PL "Type: C-Concentration, D-Depletion, RM-Reduced Matrix, MS-Masked Sand Grains. *Location: PL=Pore Lining, M=Matrix "Type: C-Concentration, D-Depletion, RM-Reduced Matrix, MS-Masked Sand Grains. *Location: PL=Pore Lining, M=Matrix "Histic Epipedon (A2) Sandy Redux (S5) Indicators for Problematic Hydric Solis". Histics Epipedon (A2) Sandy Redux (S5) Locant Prain Redux (A16) Black Histic (A3) Stripped Matrix (S6) Red Parent Material (F21) Hydrigon Solifie (A4) \Q Dark Surface (S7) Very Shallow Dark Surface (F2) Distributed beyers (A5) Loamy Mucky Mineral (F1) Other (Explain in Remarks) 2 cm Muck (A10) Loamy Mucky Mineral (F3) *Indicators of hydrophytic vegetation and sandy Micky Mineral (F3) Thrike Dark Surface (A11) Opeleted Dark Surface (F6) *indicators of nydrophytic wegetation and sandy Micky Mineral (F1) Sandy Micky Mineral (S1) Q Depleted Dark Surface (F2) wetand hydrology must be present, wetand hydrology must be present, stripped (in ches): Type: Depthet Dark Surface (F1) *advariance (F8) Surface Soli Cracks (F8) Yater Stall calculations (minimum of one is required: check all that apply) Sacondary Indicators: No	10-16	10YR 2/1	75	10YR 3/1	15	D	М	Loamy/Clayey	
Type: C=Concentration: D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ?Location: PL=Pore Lining, M=Matrix. Hydric Soll Indicators: Indicators for Problematic Hydric Solls*: Indicators for Problematic Hydric Solls*: Histosol (A1) Sandy Redx (S5) Inor-Manganese Masses (F12) Black Histo: (A3) Stringed Matrix (S6) Red Parent Material (F21) Hydrigen Sulfale (A4) X Dark Surface (S7) Very Shallow Dark Surface (F22) Stratilided Layers (A5) Learny Mucky Mineral (F1) Other (Explain in Remarks) 2 cm Muck (A10) Learny Mucky Mineral (S1) X Depleted Matrix (F3) Thick Dark Surface (A11) X Depleted Matrix (F3) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. S of Mucky Mineral (S1) X Depleted Dark Surface (F7) wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (If observed): Type: Depleted Matrix (F3) Secondary Indicators (minimum of new require soll. Wetland Hydrology Indicators: Fearma (B13) Danalage Patterns (B10) Surface Soll Cracks (B6) X Surface Water (A1) Hydrogen Sulfade Corr (C1) Cragrishb Mrabiols on Aniral Imagery (C3) <td></td> <td></td> <td></td> <td>2.5YR 5/2</td> <td>10</td> <td>D</td> <td>PL</td> <td></td> <td></td>				2.5YR 5/2	10	D	PL		
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. FLocation: PL=Pore Lining, M=Matrix, IMS=Masked Sand Grains. Histos (IA1) Sandy Gleyed Matrix (S4) Indicators for Poblematic Hydris Solis ³ : Indicators for Poblematic Hydris Solis ³ : Histos (IA1) Sandy Redox (S5) Iron-Manganese Masses (F12) Black Histic (A3) Stripped Matrix (S6) Red Parent Matria (F21) Hydrogen Sulfide (A4) Coast Prairie Redox (A16) Coast Prairie Redox (A16) 2 cm Muck (A10) Loamy Gleyed Matrix (F3) Thick Dark Surface (F1) 2 cm Muck (Moleral (S1) Depleted Matrix (F3) "Indicators of hydrophytic vegetation and Sandy Mucky Mineral (F1) 3 cm Muck (Moneral (S1) Depleted Matrix (F3) "Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (If observed): Type: Type: No Polit (Inches): Redox Dark Sarface (F8) Sarchade Matrix (F3) Sarchade Matrix (F3) Xarlae Water (A1) Water Casting (K16) Sarchade Matrix (F3) Turleas disturbed or problematic. Restrictive Layer (If observed): Type: Type: No Zarlae Water (A1) Water Matria (K17) Sarcacoxia (Casting (K17) <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
¹ Type: Cacconcentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix, Indicators for Problematic Hydric Soils ³ : Indicators for Problematic Hydric Soils ³ : Cacas Prablematic Hydric Soils ⁴ : Cacas Prablematic Hydric Soil Present ⁴ : Cacas Prablematic H									
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Type: C-Concentration. D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. *Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators:			·					· ·	
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Histosol (A1)	Hydric Soil	oncentration, D=Dep	ietion, Rivi	=Reduced Matrix, N	/IS=Masi	ked Sand	i Grains.		² L=Pore Lining, M=Matrix.
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Indust Cappoon Cost (Cost) Ref Parent Material (P1) Black Histic (A3) Stripped Matrix (S6) Ref Parent Material (P1) Hydrogen Sulfide (A4) X Dark Surface (S7) Very Shallow Dark Surface (F2) Stratified Layers (A5) Loamy Mucky Mineral (F1) Other (Explain in Remarks) 2 cm Muck (A10) X Depleted Matrix (F3) Thick Dark Surface (A11) X Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F7) wetland hydrology must be present, 5 cm Mucky Mineral (S1) X Depleted Dark Surface (F7) wetland hydrology must be present, 5 cm Mucky Mineral (S1) X Depleted Dark Surface (F7) wetland hydrology must be present, 7 type:	Histic Er	(A1)		Sandy Be	dox (S5)	11 (04)		Uron-Mar	
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	Hydrone	n Sulfide (A4)		X Dark Surfa	ace (S7)	,		Very Sh	allow Dark Surface (F22)
	Stratified	Lavers (A5)		Loamy Mu	icky Mine	eral (F1)		Other (F	Explain in Remarks)
Construction (P) Cons	2 cm Mu	ck (A10)		Loamy Gle	eved Mat	rix (F2)			
Thick Dark Surface (A12) Redox Dark Surface (F6) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. S or Mucky Veat or Peat (S3) Redox Dark Surface (F7) unless disturbed or problematic. Restrictive Layer (if observed): Type: unless disturbed or problematic. Type:	Depleter	Below Dark Surface	e (A11)	X Depleted M	Matrix (F	3)			
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	Sandy M	lucky Mineral (S1)		X Depleted [Dark Sur	face (F7)		wetland	hydrology must be present,
Restrictive Layer (if observed):		cky Peat or Peat (S3	3)	Redox De	pression	s (F8)		unless d	listurbed or problematic.
Type:	Restrictive	Laver (if observed):							
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Remarks: Treaty silty clay loam (ThrA) is rated as a hydric soil. HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of two required) X Surface Water (A1) Water-Stained Leaves (B9) Surface Soil Cracks (B6) X High Water Table (A2) Aquatic Fauna (B13) Drainage Patterns (B10) X Surface Water (A1) Water Aquatic Plants (B14) Dry-Season Water Table (C2) Water Marks (B1) Hydrogen Sulfice Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Dirit Deposits (B3) Presence of Reduced Iron (C4) Sturted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) X Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) X FAC-Neutral Test (D5) Inundation Visible on Aerial Imagery (B7) Gauge or Well Data (D9) Saturation Present? Yes X No Surface Water Present? Yes No Depth (inches): 0 Wetland Hydrology Present? Yes X No Sutraction Present? Yes X No Depth (inch									
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of two requires (minimum of two requ	Depth (ir Remarks: Treaty silty c	nches): lay loam (ThrA) is ra	ted as a h	ydric soil.				Hydric Soil Present?	Yes <u>X</u> No
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required: check all that apply) Secondary Indicators (minimum of two required) X Surface Water (A1) Water-Stained Leaves (B9) Surface Soil Cracks (B6) X High Water Table (A2) Aquatic Fauna (B13) Drainage Patterns (B10) X Saturation (A3) True Aquatic Plants (B14) Dry-Season Water Table (C2) Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) X Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) X FAC-Neutral Test (D5) Inundation Visible on Aerial Imagery (B7) Gauge or Well Data (D9) Sparsely Vegetated Concave Surface (B8) Surface Water Present? Yes No Depth (inches): <u>3</u> Water Table Present? Yes No Depth (inches): <u>0</u> Saturation Present? Yes No Depth (inches): <u>0</u> Saturation Present? Yes No Depth (inches): <u>0</u> </th <th>Depth (ir Remarks: Treaty silty c</th> <th>nches):</th> <th>ted as a hy</th> <th>ydric soil.</th> <th></th> <th></th> <th></th> <th>Hydric Soil Present?</th> <th>Yes<u>X</u>No</th>	Depth (ir Remarks: Treaty silty c	nches):	ted as a hy	ydric soil.				Hydric Soil Present?	Yes <u>X</u> No
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X Frigh Water Table (A2)	Depth (ir Remarks: Treaty silty c HYDROLC Wetland Hy Primary India	nches): day loam (ThrA) is ra DGY drology Indicators:	ted as a hy	ydric soil.	apply)			Hydric Soil Present?	Yes X No
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Water Table Present? Yes X No Depth (inches): 0 Saturation Present? Yes X No Depth (inches): 0 Wetland Hydrology Present? Yes X No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Ves <	Depth (ir Remarks: Treaty silty of HYDROLO Wetland Hy Primary India X Surface X High Wa X Surface X High Wa X Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatio Sparsely Field Obser	DGY drology Indicators: cators (minimum of c Water (A1) ter Table (A2) on (A3) arks (B1) tt Deposits (B2) posits (B3) tt or Crust (B4) osits (B5) on Visible on Aerial In v Vegetated Concave	ted as a hy ne is requi magery (B' Surface (I	ydric soil. ired: check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or 1 B8) Other (Exp	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat olain in R	ves (B9) 3) s (B14) Ddor (C1) eres on L ced Iron (tion in Ti (C7) a (D9) emarks)	Living Ro C4) Iled Soil:	Hydric Soil Present?	Yes X No ndicators (minimum of two required Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1) phic Position (D2) utral Test (D5)
Saturation Present? Yes X No Depth (inches): 0 Wetland Hydrology Present? Yes X No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Ves Ve	Depth (ir Remarks: Treaty silty of HYDROLO Wetland Hy Primary India X Surface X High Wa X Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatio Sparsely Field Obser	DGY drology Indicators: cators (minimum of c Water (A1) ter Table (A2) on (A3) arks (B1) arks (B1) arks (B3) t or Crust (B4) osits (B5) on Visible on Aerial In v Vegetated Concave vations: er Present?	ted as a hy ne is requi magery (B Surface (I	ydric soil. ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or 1 B8) Other (Exp	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat olain in R	ves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (tion in Ti (C7) a (D9) emarks)	Living Ro C4) Iled Soil:	Hydric Soil Present?	Yes X No ndicators (minimum of two required Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1) phic Position (D2) utral Test (D5)
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Depth (ir Remarks: Treaty silty of HYDROLO Wetland Hy Primary India X Surface X High Wa X Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatio Sparsely Field Obser Surface Water Water Table	DGY drology Indicators: cators (minimum of c Water (A1) ter Table (A2) on (A3) arks (B1) ht Deposits (B2) oosits (B3) t or Crust (B4) osits (B5) on Visible on Aerial In v Vegetated Concave vations: er Present? Ye	ted as a hy ne is requi magery (B' Surface (f	ydric soil. ired; check all that Water-Sta Aquatic Fa True Aqua Uxidized F Presence Recent Iro Thin Muck 7) Gauge or 1 B8) Other (Exp No No	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Sulface Well Dat blain in R Depth (i Depth (i	ves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (tion in Ti (C7) a (D9) emarks) mches):	Living Ro C4) Iled Soil:	Hydric Soil Present?	Yes X No ndicators (minimum of two required Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1) phic Position (D2) utral Test (D5)
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Depth (ir Remarks: Treaty silty of HYDROLO Wetland Hy Primary India X Surface X High Wa X Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatio Sparsely Field Obser Surface Water Water Table Saturation P	DGY drology Indicators: cators (minimum of c Water (A1) ter Table (A2) on (A3) arks (B1) tt Deposits (B2) posits (B3) tt or Crust (B4) osits (B5) on Visible on Aerial In v Vegetated Concave vations: er Present? Ye present? Ye	ted as a hy ne is requine is requine is requine is requine the second state of the sec	ydric soil. ired; check all that Water-Sta Aquatic Fa Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or B8) Other (Exp No No No	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat blain in R Depth (i Depth (i	ves (B9) 3) s (B14) Ddor (C1) eres on L eres on L eres on L ced Iron (tion in Ti (C7) a (D9) emarks) emarks): 	.iving Rc C4) Iled Soil:	Hydric Soil Present? Secondary II	Yes X No ndicators (minimum of two required Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1) phic Position (D2) utral Test (D5) Present? Yes X No
	Depth (ir Remarks: Treaty silty of HYDROLO Wetland Hy Primary India X Surface X High Wa X Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatio Sparsely Field Obser Surface Wat Water Table Saturation P (includes cap	DGY drology Indicators: cators (minimum of c Water (A1) ter Table (A2) on (A3) arks (B1) to Crust (B4) osits (B3) to Crust (B4) osits (B5) on Visible on Aerial In v Vegetated Concave vations: er Present? Ye present? Ye posilary fringe)	ted as a hy ne is requi magery (B Surface (I s X s X s X	ydric soil. ired: check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or V B8) Other (Exp No No No	apply) ined Lea auna (B1 tic Plant Sulfide C Rhizosph of Reduc n Reduc Surface Well Dat blain in R Depth (i Depth (i	ves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (tion in Ti (C7) a (D9) emarks) nches): _ nches): _ nches): _	Living Ro C4) Iled Soil:	Hydric Soil Present? Secondary II	Yes X No ndicators (minimum of two required Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1) phic Position (D2) utral Test (D5) Present? Yes X No
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	Depth (ir Remarks: Treaty silty of HYDROLO Wetland Hy Primary India X Surface X High Wa X Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatio Sparsely Field Obser Surface Wat Water Table Saturation P (includes cap Describe Re	DGY drology Indicators: cators (minimum of c Water (A1) ter Table (A2) on (A3) arks (B1) arks (B1) arks (B3) t or Crust (B4) osits (B3) t or Crust (B4) osits (B5) on Visible on Aerial In ' Vegetated Concave vations: er Present? Ye Present? Ye present? Ye poillary fringe) corded Data (stream	ted as a hy ne is requi magery (B ¹ Surface (I ss <u>X</u> s <u>X</u> s <u>X</u> s <u>X</u>	ydric soil. ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or 1 B8) Other (Exp No No No No No No No	apply) ined Lea auna (B1 tic Plant Sulfide C Rhizosph of Reduc n Reduc Surface Well Dat blain in R Depth (i Depth (i Depth (i I photos	ves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (tion in Ti (C7) a (D9) emarks) nches): nches): nches):	Living Ro C4) Iled Soil: 3 0 0 5 inspec	Hydric Soil Present? Secondary In Surface Drainage Dry-Sea Crayfish Stunted Stunted <td>Yes X No ndicators (minimum of two require Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1) phic Position (D2) utral Test (D5) Present? Yes X No</td>	Yes X No ndicators (minimum of two require Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1) phic Position (D2) utral Test (D5) Present? Yes X No

Project/Site: Parks at Decatur		City/Cou	inty: Camby	/Marion	Sampling Da	te: <u>3/24</u>	/2021
Applicant/Owner: Chris McKinney/D.R. Horton				State: IN	Sampling Poi	int:	13
Investigator(s): John Dixon, Matt Buck		Section,	Township, Ra	ange: S22 T14N R2E			
Landform (hillside, terrace, etc.): Floodplain			Local relief (concave, convex, none)	: Linear		
Slope (%): 1-2 Lat: 39.63520°N		Long: (086.29224°W	1	Datum: WGS 8	34	
Soil Map Unit Name: Miami silt Ioam (MmC2), 6 to 2	12 percent slor	bes. eroded		NWI class	ification:		
Are climatic / hydrologic conditions on the site typic	al for this time	of year?	Yes X	No (lf no ex	volain in Remark	<u> </u>	
Are Vegetation Soil or Hydrology	significantly	disturbed?	Are "Normal (Circumstances" present	? Yes X	No	
Are Vegetation Soil or Hydrology	olghinountry	oblomatic?	(If noodod ov	volain any answers in P	$\frac{1}{2}$		-
					••••••	•	
SUMMARY OF FINDINGS – Attach site	map snow	ing samplir	ng point ic	ocations, transects	s, important	reatures	s, etc.
Hydrophytic Vegetation Present? Yes	No <u>X</u>	Is the	e Sampled A	rea			
Hydric Soil Present? Yes	No <u>X</u>	withi	n a Wetland	? Yes	No X		
Wetland Hydrology Present? Yes	No <u>X</u>						
Remarks:							
This is a typical floodplain along Stream Unit 1.							
VEGETATION – Use scientific names of p	olants.						
Trac Stratum (Plat size: 20)	Absolute	Dominant	Indicator	Deminence Test w			
<u>Tree Stratum</u> (Plot size: <u>30</u>)	% Cover	Species?	Status	Dominance Test wo	orksneet:		
2 Liriodendron tulinifera	10	Yes	FACU	Are OBL FACW or	EAC	2	(A)
3. Prunus serotina	5	No	FACU	Total Number of Dor	-		_('')
4. Celtis occidentalis	5	No	FAC	Across All Strata:	finant Species	8	(B)
5. Platanus occidentalis	5	No	FACW	Percent of Dominant	Species That		_ ` `
	35	=Total Cover		Are OBL, FACW, or	FAC:	25.0%	(A/B)
Sapling/Shrub Stratum (Plot size: 15')	-			_		-
1. Juglans nigra	20	Yes	FACU	Prevalence Index w	orksheet:		
2. Lonicera morrowii	20	Yes	FACU	Total % Cover of	of: Mul	tiply by:	_
3. Liriodendron tulipifera	5	No	FACU	OBL species	0 x 1 =	0	_
4. Celtis occidentalis	5	No	FAC	FACW species	15 x 2 =	30	_
5		<u> </u>		FAC species	<u>30 x 3 = </u>	90	_
	50	_=Total Cover		FACU species 1	$\frac{00}{2}$ x 4 =	400	-
Herb Stratum (Plot size: 5')	00	N	FAOL	UPL species	$\frac{0}{45}$ x 5 =	0	(D)
1. Dactylis giomerata		Yes	FACU	Column Lotais: 1	<u>45</u> (A)	520	_(B)
		Ves		Frevalence muex	= D/A =	5.59	-
		163	1700	Hydronhytic Vegeta	tion Indicators		
5.				1 - Rapid Test fo	or Hydrophytic Ve	egetation	
6.				2 - Dominance T	est is >50%	gotation	
7.				3 - Prevalence Ir	ndex is ≤3.0 ¹		
8.				4 - Morphologica	al Adaptations ¹ (F	Provide su	pporting
9.				data in Rema	rks or on a sepai	rate sheet))
10				Problematic Hyd	Irophytic Vegetat	tion ¹ (Expl	ain)
Weedy Vine Strature (Distributed for	50	=Total Cover		¹ Indicators of hydric	soil and wetland	hydrology	must
<u>vvoody vine Silaium</u> (Plot size: 15	_)	Vaa		be present, unless d	Sturbed of proble	ernatic.	
2	10	162	TAGW	Hydrophytic			
	10	=Total Cover		Vegetation Present? Veg	s No	х	
	10			i resent: Tes			

Depth	Matrix		Redox	x Featur	es						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	e		Remarks	
0-16	10YR 4/2	100					Loamy/Cla	ayey			
¹ Type: C=Co	ncentration, D=Depl	etion, RM=	Reduced Matrix, M	/IS=Mas	ked Sand	d Grains.	. ² L	_ocation: F	PL=Pore Lin	ing, M=Matr	х.
Hydric Soil I	ndicators:						Ir	ndicators f	or Problem	natic Hydric	Soils ³ :
Histosol (A1)		Sandy Gle	yed Mat	rix (S4)			Coast P	rairie Redox	x (A16)	
Histic Epi	pedon (A2)		Sandy Red	dox (S5)				Iron-Ma	nganese Ma	asses (F12)	
Black His	tic (A3)		Stripped M	latrix (S6	5)			Red Par	ent Materia	l (F21)	
Hydroger	Sulfide (A4)		Dark Surfa	ce (S7)				Very Sh	allow Dark	Surface (F22	2)
Stratified	Layers (A5)		Loamy Mu	cky Mine	eral (F1)			Other (E	Explain in Re	emarks)	
2 cm Muc	ck (A10)		Loamy Gle	eyed Mat	rix (F2)						
Depleted	Below Dark Surface	. (A11)	Depleted M	/latrix (F	3)						
Thick Da	k Surface (A12)		Redox Dar	k Surfac	e (F6)		³	ndicators o	f hydrophyt	ic vegetatior	and
Sandy Mu	ucky Mineral (S1)		Depleted D	Dark Sur	face (F7)			wetland	hydrology r	nust be pres	ent,
5 cm Muc	ky Peat or Peat (S3	.)	Redox Dep	pression	s (F8)			unless c	listurbed or	problematic	
Restrictive L	ayer (if observed):										
Type:											
Type: Depth (in Remarks:	ches):	ed as a byc					Hydric Soil	Present?		Yes	No <u>X</u>
Type: _ Depth (in Remarks: Miami silt loa	ches): m (MmC2) is not rat	ed as a hyc	łric soil.				Hydric Soil	Present?		Yes	No <u>X</u>
Type: _ Depth (in Remarks: Miami silt loa	ches): m (MmC2) is not rat	ed as a hyc	łric soil.				Hydric Soil	Present?		Yes	No <u>X</u>
Type: Depth (in Remarks: Miami silt Ioa	ches): m (MmC2) is not rat	ed as a hyc	dric soil.				Hydric Soil I	Present?		Yes	No <u>X</u>
Type: Depth (in Remarks: Miami silt loa	ches): m (MmC2) is not rat GY Irology Indicators:	ed as a hyc	dric soil.				Hydric Soil	Present?		Yes	No <u>X</u>
Type: Depth (in: Remarks: Miami silt loa HYDROLO Wetland Hyd Primary Indic	ches): m (MmC2) is not rat GY Irology Indicators: ators (minimum of o	ed as a hyc	dric soil.	apply)			Hydric Soil	Present?	ndicators (n	Yes	No X
Type: Depth (in Remarks: Miami silt loa HYDROLO Wetland Hyd Primary Indic Surface V	ches): m (MmC2) is not rat GY Irology Indicators: ators (minimum of o Vater (A1)	ed as a hyc	dric soil.	apply) ined Lea	ves (B9)		Hydric Soil	Present?	ndicators (n Soil Cracks	Yes	No X
Type: Depth (in Remarks: Miami silt loa HYDROLO Wetland Hyd Primary Indic Surface V High Wat	ches): m (MmC2) is not rat GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2)	ed as a hyc	ric soil.	apply) ined Lea iuna (B1	ves (B9) 3)		Hydric Soil	Present?	ndicators (n Soil Cracks e Patterns (Yes ninimum of t s (B6) (B10)	No X
Type: Depth (in Remarks: Miami silt loa HYDROLO Wetland Hyd Primary Indic Surface V High Wat Saturation	ches): m (MmC2) is not rat GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3)	ed as a hyc	ric soil. <u>ed; check all that a</u> <u>Water-Stai</u> <u>A</u> quatic Fa <u>True Aquat</u>	apply) ned Lea una (B1 tic Plant	ves (B9) 3) s (B14)		Hydric Soil	Present?	ndicators (n Soil Cracks e Patterns (son Water (<u>ninimum of t</u> s (B6) (B10) Table (C2)	No X
Type: Depth (in/ Remarks: Miami silt loa HYDROLO Wetland Hyd Primary Indic Surface V High Wat Saturation Water Ma	ches): m (MmC2) is not rat GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) irks (B1) : Denesite (R2)	ed as a hyc	ric soil. <u>ed; check all that a</u> <u>Water-Stai</u> <u>A</u> quatic Fa <u>True Aquat</u> <u>Hydrogen S</u>	apply) ined Lea iuna (B1 tic Plant Sulfide (ves (B9) 3) s (B14) Ddor (C1))	Hydric Soil	Present?	ndicators (n Soil Cracks e Patterns (son Water Burrows (C	Yes ninimum of t s (B6) (B10) Table (C2) C8)	No X
Type: Depth (in: Remarks: Miami silt loa HYDROLO Wetland Hyd Primary Indic Surface V High Wat Saturation Water Ma Sediment	ches): m (MmC2) is not rat GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) arks (B1) : Deposits (B2) mite (B2)	ed as a hyc	red; check all that a Water-Stai Aquatic Fa True Aquat Hydrogen S	apply) ined Lea iuna (B1 tic Plant Sulfide (thizosph	ves (B9) 3) s (B14) Ddor (C1) eres on L) iving Ro	Hydric Soil	Present?	ndicators (n Soil Cracks e Patterns (son Water Burrows (C on Visible o	Yes ninimum of t s (B6) (B10) Table (C2) C8) on Aerial Ima	No X wo required) gery (C9)
Type: Depth (in: Remarks: Miami silt loa HYDROLO Wetland Hyd Primary Indic Surface V High Wat Saturation Water Ma Sediment Drift Depo	ches): m (MmC2) is not rat GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) urks (B1) : Deposits (B2) posits (B3) er C met (B4)	ed as a hyc	ric soil.	apply) ined Lea iuna (B1 tic Plant Sulfide (thizosph of Reduc	ves (B9) 3) s (B14) Ddor (C1) eres on I ced Iron () Living Ro C4)	Hydric Soil	Present? econdary I Surface Drainag Dry-Sea Crayfish Saturati Stunted	ndicators (n Soil Cracks e Patterns (son Water Burrows (C on Visible o or Stressed	Yes ninimum of t s (B6) (B10) Table (C2) C8) on Aerial Ima d Plants (D1)	No X wo required) gery (C9)
Type: Depth (in Remarks: Miami silt loa HYDROLO Wetland Hyd Primary Indic Surface V High Wat Saturation Water Ma Sediment Drift Depo Algal Mat	ches): m (MmC2) is not rat GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) irtks (B1) : Deposits (B2) posits (B3) or Crust (B4) traite (B5)	ed as a hyc	red; check all that a Water-Stai Aquatic Fa True Aquat Hydrogen S Oxidized R Presence c Recent Iror	apply) ned Lea una (B1 tic Plant Sulfide (hizosph of Reduc n Reduc	ves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (tion in Ti (C7)) Living Ro (C4) Iled Soil:	Hydric Soil	Present?	ndicators (n Soil Cracks e Patterns (son Water Burrows (C on Visible o or Stressec phic Positic	Yes ninimum of t s (B6) (B10) Table (C2) C8) on Aerial Ima d Plants (D1) on (D2)	No X wo required) gery (C9)
Type: Depth (in/ Remarks: Miami silt loa HYDROLO Wetland Hyd Primary Indic Surface V High Wat Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo	ches): m (MmC2) is not rat GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) irks (B1) : Deposits (B2) posits (B3) or Crust (B4) posits (B5) p Vicible on Agriculation	ed as a hyc	tric soil. <u>ed; check all that a</u> <u>Water-Stai</u> <u>Aquatic Fa</u> <u>True Aquatic Hydrogen S</u> <u>Oxidized R</u> <u>Presence c</u> <u>Recent Iron</u> <u>Thin Muck</u>	apply) ned Lea una (B1 tic Plant Sulfide (thizosph of Reduc n Reduc Surface	ves (B9) 3) s (B14) Ddor (C1) eres on I æd Iron (tion in Ti (C7)) Living Ro C4) Iled Soil:	Hydric Soil 	Present? Eecondary I Surface Drainag Dry-Sea Crayfish Saturati Stunted Geomor FAC-Ne	ndicators (n Soil Cracks e Patterns (son Water Burrows (C on Visible o or Stressed phic Positic utral Test (I	Yes ninimum of t s (B6) (B10) Table (C2) C8) n Aerial Ima d Plants (D1) on (D2) D5)	No X wo required) gery (C9)
Type: Depth (in/ Remarks: Miami silt loa HYDROLO Wetland Hyd Primary Indic Surface V High Wat Saturation Water Ma Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundatio	ches): m (MmC2) is not rat GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) arks (B1) : Deposits (B2) osits (B3) or Crust (B4) osits (B5) n Visible on Aerial Ir	ed as a hyc	red; check all that a Water-Stai Aquatic Fa True Aquati Hydrogen S Oxidized R Presence o Recent Iron Thin Muck	apply) ined Lea iuna (B1 tic Plant Sulfide (chizosph of Reduc n Reduc Surface Well Dat	ves (B9) 3) s (B14) Odor (C1) eres on I ced Iron (tion in Ti (C7) a (D9)) _iving Ro (C4) Iled Soil:	Hydric Soil 	Present? econdary I Surface Drainag Dry-Sea Crayfish Saturati Stunted Geomor FAC-Ne	ndicators (n Soil Cracks e Patterns (son Water Burrows (C on Visible o or Stressed phic Positic utral Test (I	Yes ninimum of t (B10) Table (C2) C8) on Aerial Ima d Plants (D1) on (D2) D5)	No X wo required) gery (C9)
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Type: Depth (in/ Remarks: Miami silt loa HYDROLO Wetland Hyd Primary Indic Surface V High Wat Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundatio Sparsely Field Observ Surface Wate Water Table I Saturation Pr (includes cap Describe Rec	ches): m (MmC2) is not rat GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) arks (B1) : Deposits (B2) osits (B3) or Crust (B4) osits (B5) n Visible on Aerial Ir Vegetated Concave rations: er Present? Ye esent? Ye esent? Ye esent? Ye	ed as a hyc ne is requir nagery (B7 Surface (B ss s gauge, mo	red; check all that a Water-Stai Aquatic Fa True Aquat Hydrogen S Oxidized R Presence c Recent Iror Thin Muck) Gauge or V 8) Other (Exp No X No X	apply) ined Lea iuna (B1 tic Plant Sulfide C chizosph of Reduc n Reduc Surface Well Dat Jain in R Depth (ii Depth (ii Depth (ii Depth (ii	ves (B9) 3) s (B14) Odor (C1) eres on I ced Iron (tion in Ti (C7) a (D9) a (D9) nches):nches): nches):) Living Ro C4) Iled Soil:	Hydric Soil Hydric Soil Solots (C3) S (C6) Wetland H tions), if availa	Present? Eecondary I Surface Drainag Dry-Sea Crayfish Saturati Stunted Geomor FAC-Ne	ndicators (n Soil Cracks e Patterns (son Water ' Burrows (C on Visible o or Stressed phic Positic utral Test (I Present?	Yes	No X wo required) gery (C9)
Type: Depth (in/ Remarks: Miami silt loa HYDROLO Wetland Hyd Primary Indic Surface V High Wat Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundatio Sparsely Field Observ Surface Wate Water Table I Saturation Pr (includes cap Describe Rec	ches): m (MmC2) is not rat GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) urks (B1) : Deposits (B2) osits (B3) or Crust (B4) osits (B5) n Visible on Aerial Ir Vegetated Concave rations: er Present? Ye Present? Ye esent? Ye esent? Ye illary fringe)	ed as a hyc ne is requir nagery (B7 Surface (B s s gauge, mo	red; check all that a Water-Stai Aquatic Fa True Aquati Hydrogen S Oxidized R Presence o Recent Iron Thin Muck Mo 8) Other (Exp No X No X No X No X	apply) ined Lea iuna (B1 tic Plant Sulfide (chizosph of Reduc n Reduc Surface Well Dat ilain in R Depth (ii Depth (ii Depth (ii I photos	ves (B9) 3) s (B14) Odor (C1) eres on I ced Iron (tion in Ti (C7) a (D9) emarks) nches):) Living Ro (C4) Iled Soil: s inspec	Hydric Soil Sots (C3) s (C6) Wetland H tions), if availa	Present? econdary I Surface Drainag Dry-Sea Crayfish Saturati Stunted Geomor FAC-Ne	ndicators (n Soil Cracks e Patterns (son Water ' Burrows (C on Visible o or Stressed phic Positic utral Test (I Present?	Yes	No X wo required gery (C9)

Project/Site: Parks a	at Decatur	City/County: Camby/Maric	วท	Sampling Date:	3/24/21
Applicant/Owner:	Chris McKinney/D.R. Horton		State: IN	Sampling Point:	14
Investigator(s): Johr	ו Dixon, Matt Buck	Section, Township, Range:	S22 T14N R2E		
Landform (hillside, t	errace, etc.): Floodplain	Local relief (conca	ve, convex, none):	Linear	
Slope (%): 0	Lat: <u>39.63528°N</u>	Long: 086.29138°W		Datum: WGS 84	
Soil Map Unit Name	: Treaty silty clay loam (ThrA), 0-2 percent slope	} S.	NWI class	ification:	
Are climatic / hydrole	ogic conditions on the site typical for this time of	year? Yes X No	o (If no, ex	<plain in="" remarks.)<="" td=""><td></td></plain>	
Are Vegetation	_, Soil, or Hydrologysignificantly d	listurbed? Are "Normal Circun	nstances" present?	? Yes X No	o
Are Vegetation	_, Soil, or Hydrologynaturally prob	elematic? (If needed, explain	any answers in Re	emarks.)	
SUMMARY OF	FINDINGS – Attach site map showir	ng sampling point locati	ons, transects	s, important fea	itures, etc.
Hydrophytic Vegeta Hydric Soil Present	ation Present? Yes X No t? Yes X No	Is the Sampled Area within a Wetland?	Yes X	No	

Hydric Soil Present? Wetland Hydrology Present?	Yes X Yes X	No No	within a Wetland?	Yes X	No
Remarks: This appears to be an emergent w	eltand (Wetland	I D), approximately 0.0	4 +/- acres in size.		

VEGETATION – Use scientific names of plants.

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
1				Number of Dominant Species That
2				Are OBL, FACW, or FAC: 3 (A)
3				Total Number of Dominant Species
4				Across All Strata: 4 (B)
5				Percent of Dominant Species That
		=Total Cover		Are OBL, FACW, or FAC:
Sapling/Shrub Stratum (Plot size: 15')				
1.				Prevalence Index worksheet:
2.				Total % Cover of: Multiply by:
3.				OBL species 15 x 1 = 15
4.				FACW species 75 x 2 = 150
5.				FAC species $30 \times 3 = 90$
		=Total Cover		FACU species $10 \times 4 = 40$
Herb Stratum (Plot size: 5')				UPL species $0 \times 5 = 0$
1. Phalaris arundinacea	40	Yes	FACW	Column Totals: 130 (A) 295 (B)
2. Carex blanda	30	Yes	FAC	Prevalence Index = $B/A = 2.27$
3. Solidago gigantea	25	Yes	FACW	
4. Glyceria striata	15	No	OBL	Hydrophytic Vegetation Indicators:
5. Epilobium hirsutum	10	No	FACW	1 - Rapid Test for Hydrophytic Vegetation
6.		·		X 2 - Dominance Test is >50%
7.		·		X 3 - Prevalence Index is ≤3.0 ¹
8		·		4 - Morphological Adaptations ¹ (Provide supporting
9		·		data in Remarks or on a separate sheet)
10		·		Problematic Hydrophytic Vegetation ¹ (Explain)
	120	=Total Cover		¹ Indicators of hydric soil and watland hydrology must
Woody Vine Stratum (Plot size: 30')				be present, unless disturbed or problematic.
1. Rosa multiflora	10	Yes	FACU	Hydrophytic
2				Vegetation
	10	=Total Cover	-	Present? Yes X No
Romarka: (Includa photo numbero haro ar an a conor	oto oboot)			

Depth	Matrix		Redo	ix realui	00			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-10	10YR 2/1	100					Loamy/Clayey	
10-16	10YR 2/1	80	10YR 3/1	20	D	М	Loamy/Clayey	
		'						
Type: C=Cc	ncentration D=De	oletion RM	=Reduced Matrix	/S=Mas	ked Sand	d Grains	² Locatio	n: PI = Pore Lining M=Matrix
Hydric Soil I	ndicators:						Indicato	ors for Problematic Hydric Soils ³ :
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)		Coa	st Prairie Redox (A16)
Histic Ep	ipedon (A2)		Sandy Red	dox (S5)			Iron	Manganese Masses (F12)
Black His	stic (A3)		Stripped M	latrix (Se	5)		Red	Parent Material (F21)
Hydroger	n Sulfide (A4)		X Dark Surfa	ace (S7)			Very	Shallow Dark Surface (F22)
Stratified	Layers (A5)		Loamy Mu	cky Mine	eral (F1)		Othe	er (Explain in Remarks)
2 cm Mu	ck (A10)		Loamy Gle	eyed Mat	trix (F2)			
Depleted	Below Dark Surfac	e (A11)	X Depleted	Matrix (F	3)			
Thick Da	rk Surface (A12)		Redox Da	rk Surfac	e (F6)		³ Indicato	rs of hydrophytic vegetation and
Sandy M	ucky Mineral (S1)		X Depleted [Dark Sur	face (F7))	wetl	and hydrology must be present,
5 cm Mu	cky Peat or Peat (S	3)	Redox De	pression	s (F8)		unle	ss disturbed or problematic.
	aven (if also an rad)	•						
Restrictive L	ayer (if observed)	•						
Restrictive L Type:	ayer (if observed)							
Restrictive L Type: _ Depth (in Remarks: Treaty silty cl	ches):	ated as a h	ydric soil.				Hydric Soil Preser	nt? Yes <u>X</u> No
Restrictive L Type: _ Depth (in Remarks: Treaty silty cl	ches):	ated as a h	ydric soil.				Hydric Soil Preser	nt? Yes <u>X</u> No
Restrictive L Type: _ Depth (in Remarks: Treaty silty cl	ches): lay loam (ThrA) is r GY	ated as a h	ydric soil.				Hydric Soil Preser	nt? Yes <u>X</u> No
Restrictive L Type: _ Depth (in Remarks: Treaty silty cl HYDROLO Wetland Hyc	ches): lay loam (ThrA) is r GY trology Indicators	ated as a h	ydric soil.				Hydric Soil Preser	nt? Yes <u>X</u> No
Restrictive L Type: _ Depth (in Remarks: Treaty silty cl IYDROLO Wetland Hyc Primary Indic	ches): ay loam (ThrA) is r GY drology Indicators ators (minimum of	ated as a hy	ydric soil. ired: check all that	apply)	(20)		Hydric Soil Preser	nt? Yes X No
Restrictive L Type: _ Depth (in Remarks: Treaty silty cl IYDROLO Wetland Hyc Primary Indic X Surface V	GY GY GY GY Mater (A1) Mater (A2)	ated as a hy	ydric soil. ired: check all that Water-Sta	apply) ined Lea	ves (B9)		Hydric Soil Preser	nt? Yes X No
Restrictive L Type: _ Depth (in Remarks: Treaty silty cl IYDROLO Wetland Hyc Primary Indic X Surface V X High Wat	GY GY GY Mater (A1) Mater (A2) Check	ated as a h	ydric soil. ired; check all that Water-Sta Aquatic Fa	apply) ined Lea auna (B1	ves (B9) 3)		Hydric Soil Preser	ary Indicators (minimum of two require ace Soil Cracks (B6) nage Patterns (B10)
Restrictive L Type: _ Depth (in Remarks: Treaty silty cl IYDROLO Wetland Hyc Primary Indic X Surface V X High Wat X Saturatio	GY GY GY GY Hology Indicators Eators (minimum of Water (A1) ter Table (A2) n (A3) arks (B1)	ated as a hy	ydric soil. ired: check all that Water-Sta Aquatic Fa True Aqua Hydrogen	apply) ined Lea auna (B1 tic Plant Sulfide (ves (B9) 3) s (B14)		Hydric Soil Preser	ary Indicators (minimum of two require ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) (fish Burrows (C8)
Restrictive L Type: _ Depth (in Remarks: Treaty silty cl HYDROLO Wetland Hyc Primary Indic X Surface V X High Wat X Saturatio Water Ma Sedimen	GY GY Grology Indicators sators (minimum of Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2)	ated as a hy	ydric soil. ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized B	apply) ined Lea auna (B1 tic Plant Sulfide (ives (B9) 3) s (B14) Ddor (C1) eres on l) iving Rd	Hydric Soil Preser	ary Indicators (minimum of two require ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) rfish Burrows (C8)
Restrictive L Type: _ Depth (in Remarks: Treaty silty cl HYDROLO Wetland Hyc Primary Indic X Surface V X High Wat X Saturatio Water Ma Sedimen Drift Dep	ayer (if observed) ches): ay loam (ThrA) is r GY frology Indicators ators (minimum of Vater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3)	ated as a h	ydric soil. ired: check all that Water-Sta Aquatic Fa True Aqua Urue Aqua Presence	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc	ives (B9) 3) s (B14) Ddor (C1) eres on l) Living Rc	Hydric Soil Preser	Ary Indicators (minimum of two requires ary Indicators (minimum of two requires ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) uration Visible on Aerial Imagery (C9) the or Stressed Plants (D1)
Restrictive L Type: _ Depth (in Remarks: Treaty silty cl IYDROLO Wetland Hyc Primary Indic X Surface V X High Wat X Saturatio Water Ma Sedimen Drift Dep Algal Ma	ches): ches): lay loam (ThrA) is r GY drology Indicators sators (minimum of Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4)	ated as a h	ydric soil. ired: check all that Water-Sta Aquatic Fa Aquatic Fa True Aqua Hydrogen Oxidized Fa Presence Recent Iro	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc	ives (B9) 3) s (B14) Ddor (C1) eres on I ced Iron (tion in Ti) Living Ro (C4) illed Soils	Hydric Soil Preser	Ary Indicators (minimum of two requires ary Indicators (minimum of two requires ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) rfish Burrows (C8) irration Visible on Aerial Imagery (C9) ited or Stressed Plants (D1) morphic Position (D2)
Restrictive L Type: _ Depth (in Remarks: Treaty silty cl IYDROLO Wetland Hyc Primary Indic X Surface V X High Wat X Saturatio Water Ma Sedimen Drift Dep Algal Mat	GY GY GY GY GY Hology Indicators Eators (minimum of Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5)	ated as a hy	ydric soil. ired: check all that Water-Sta Aquatic Fa Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface	ves (B9) 3) s (B14) Ddor (C1) eres on I ced Iron (tion in Ti c(C7)) Living Ro (C4) Illed Soils	Hydric Soil Preser	Ary Indicators (minimum of two requires ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) rfish Burrows (C8) irration Visible on Aerial Imagery (C9) ited or Stressed Plants (D1) morphic Position (D2) :-Neutral Test (D5)
Restrictive L Type: _ Depth (in Remarks: Treaty silty cl HYDROLO HYDROLO Wetland Hyd Primary Indic X Surface N X High Wat X Saturatio Water Ma Sedimen Drift Dep Algal Mat Iron Depo	GY GY GY Trology Indicators Eators (minimum of Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) on Visible on Aerial	ated as a hy ated is requ	ydric soil. ired; check all that Water-Sta Aquatic Fa Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat	vves (B9) 3) s (B14) Ddor (C1) eres on I ced Iron (tion in Ti c(C7) a (D9)) Living Ro (C4) illed Soils	Hydric Soil Preser	Ary Indicators (minimum of two requires ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) rfish Burrows (C8) irration Visible on Aerial Imagery (C9) ited or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)
Restrictive L Type: _ Depth (in Remarks: Treaty silty cl IYDROLO Vetland Hyc Primary Indic X Surface V X High Wat X Saturatio Water Ma Sedimen Drift Dep Algal Mat Iron Depo Inundatic Sparsely	ches): ches): ay loam (ThrA) is r GY drology Indicators ators (minimum of Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) n Visible on Aerial Vegetated Concav	ated as a hy ated as a hy one is requ Imagery (B e Surface (I	ydric soil. ired; check all that Water-Sta Aquatic Fa Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or V B8) Other (Exp	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat olain in R	ives (B9) 3) s (B14) Odor (C1) eres on l ced Iron (tion in Ti c(C7) a (D9) temarks)) Living Rc (C4) Illed Soils	Hydric Soil Preser	Ary Indicators (minimum of two requires ary Indicators (minimum of two requires ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) uration Visible on Aerial Imagery (C9) thed or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)
Restrictive L Type: _ Depth (in Remarks: Treaty silty cl IYDROLO Wetland Hyc Primary Indic X Surface V X High Wat X Saturatio Water Ma Sedimen Drift Dep Algal Mat Iron Depc Inundatic Sparsely Field Observ	ches): ches): lay loam (ThrA) is r GY frology Indicators sators (minimum of Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) in Visible on Aerial Vegetated Concav vations:	ated as a hy ated as a hy cone is requ lmagery (B' e Surface (I	ydric soil. ired: check all that Water-Sta Aquatic Fa Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or ¹ B8) Other (Exp	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat olain in R	ives (B9) 3) s (B14) Ddor (C1) eres on I ced Iron (tion in Ti ced Iron (tion in Ti ced Iron (tion a (D9) cemarks)) Living Rc (C4) Illed Soils	Hydric Soil Preser	ary Indicators (minimum of two require ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) irration Visible on Aerial Imagery (C9) ited or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)
Restrictive L Type: _ Depth (in Remarks: Treaty silty cl HYDROLO Wetland Hyce Primary Indic X Surface N X High Wat X Saturatio Water Ma Sedimen Drift Dep Algal Mat Iron Depo Inundatic Sparsely Field Observ Surface Wate	ay loam (ThrA) is r GY frology Indicators ators (minimum of Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) in Visible on Aerial Vegetated Concav vations: er Present? Y	ated as a hy ated as a hy : one is requ Imagery (B' e Surface (I es X	ydric soil. ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or 1 B8) Other (Exp	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Sulface Well Dat blain in R Depth (i	vves (B9) 3) s (B14) Ddor (C1) eres on I ced Iron (tion in Ti c(C7) a (D9) cemarks) cemarks):) Living Ro (C4) illed Soils	Hydric Soil Preser	Ary Indicators (minimum of two required ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) frish Burrows (C8) irration Visible on Aerial Imagery (C9) ited or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)
Restrictive L Type: _ Depth (in Remarks: Treaty silty cl ATYDROLO Wetland Hyce Primary Indic X Surface N X High Wat X Saturatio Water Ma Sedimen Drift Dep Algal Mat Iron Depc Inundatic Sparsely Field Observ Surface Water	ay loam (ThrA) is r GY drology Indicators ators (minimum of Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) in Visible on Aerial Vegetated Concav Vations: er Present? Y Present? Y	ated as a hy ated as a hy one is requ Imagery (B' e Surface (I es X es X	ydric soil. ired: check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or 1 B8) Other (Exp No No	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat blain in R Depth (i Depth (i	ives (B9) 3) s (B14) Odor (C1) eres on l ced Iron (tion in Ti ced Iron (tion in Ti ceta Iron (temarks) a (D9) temarks) temarks):) Living Rc (C4) Illed Soils	Hydric Soil Preser	Ary Indicators (minimum of two requires ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) Afish Burrows (C8) uration Visible on Aerial Imagery (C9) ated or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)
Restrictive L Type: _ Depth (in Remarks: Treaty silty cl IYDROLO Wetland Hyc Primary Indic X Surface N X High Wat X Saturatio Water Ma Sedimen Drift Dep Algal Mat Iron Depo Inundatic Sparsely Field Observ Surface Water Table Saturation Pr	Ches): Ches):	ated as a hy ated as a hy one is requ Imagery (B' e Surface (I es X es X es X	ydric soil. ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or 1 B8) Other (Exp No No No	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat blain in R Depth (i Depth (i	ves (B9) 3) s (B14) Odor (C1) eres on l ced Iron (tion in Ti ced Iron (tion tion tion tion (tion tion tion tion tion tion tion tion) Living Rc (C4) Illed Soils	Hydric Soil Preser Seconda	ht? Yes X No ary Indicators (minimum of two required ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) rration Visible on Aerial Imagery (C9) Imagery (C9) Imagery (C9) ted or Stressed Plants (D1) Moderation (D2) -Neutral Test (D5) Moderation (D2) ogy Present? Yes X No
Restrictive L Type: _ Depth (in Remarks: Treaty silty cl HYDROLO Wetland Hyc Primary Indic X Surface N X High Wat X Saturatio Water Ma Sedimen Drift Dep Algal Mat Iron Depo Inundatic Sparsely Field Observ Surface Wate Water Table Saturation Pr (includes cap	Ches): Ches):	ated as a hy ated as a hy one is requ Imagery (B e Surface (I es X es X es X	ydric soil. ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or 1 B8) Other (Exp No No No	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Sulface Well Dat blain in R Depth (i Depth (i	vves (B9) 3) s (B14) Odor (C1) eres on I ced Iron (tion in Ti ced Iron (tion tion in Ti ced Iron (tion tion in Ti ced Iron (tion tion tion tion tion tion tion tion) Living Ro (C4) illed Soils	Hydric Soil Preser Seconda	ht? Yes X No ary Indicators (minimum of two required ace Soil Cracks (B6) nage Patterns (B10) season Water Table (C2) frish Burrows (C8) rration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2) Neutral Test (D5) ogy Present? Yes X No
Restrictive L Type: _ Depth (in Remarks: Treaty silty cl ITPROLO ITPR	Ches): Ches): Cay loam (ThrA) is r Cay lo	ated as a hy ated as a hy one is requination is requination one is req	ydric soil. ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or V B8) Other (Exp No No No No No No No No No No	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat blain in R Depth (i Depth (i Depth (i	ves (B9) 3) s (B14) Odor (C1) eres on l ced Iron (tion in Ti (C7) a (D9) temarks) nches): nches): _ nches):) Living Rc (C4) illed Soils	Hydric Soil Preser Seconda Seconda Orai Drai Dry- Cray Sotts (C3) Sature Stur Wetland Hydrold tions), if available:	ht? Yes X No ary Indicators (minimum of two requires ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) uration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2) Season (D2) -Neutral Test (D5) Yes X No

Project/Site: Parks a	City/Count	: Camby	/Marior	า		Sampling Date:	3/24/21			
Applicant/Owner:	Chris McKinn	ey/D.R. Horton					State:	IN	Sampling Point:	15
Investigator(s): John	Section, To	vnship, Ra	ange:	S22 T1	4N R2E					
Landform (hillside, te	errace, etc.): S	well		Lo	cal relief (concav	e, conve	x, none):	Convex	
Slope (%): 4	Lat: <u>39.6362</u>	:3°N		Long: <u>08</u>	6.28966°W	/			Datum: WGS 84	
Soil Map Unit Name:	Miami silt loar	m (MmB2), 2-6 p	ercent slopes.				N	WI class	ification:	
Are climatic / hydrold	gic conditions	on the site typica	al for this time of yea	ar? Y	es <u>X</u>	No		(If no, ex	plain in Remarks.)	
Are Vegetation	, Soil, o	or Hydrology	significantly distu	urbed? Are	"Normal C	Circum	stances"	present?	Yes <u>X</u> No	D
Are Vegetation	, Soil, o	or Hydrology	naturally problem	natic? (If	needed, ex	kplain a	ny answ	ers in Re	emarks.)	
SUMMARY OF	FINDINGS -	- Attach site	map showing	sampling	point lo	ocatio	ons, tra	insects	s, important fea	tures, etc.
Hydrophytic Vegeta	tion Present?	Yes	No <u>X</u>	Is the S	ampled A	rea				
Hydric Soil Present	?	Yes	No <u>X</u>	within	Wetland	?	Y	es	No X	
Wetland Hydrology	Present?	Yes	No <u>X</u>							

Remarks:

This is row crop ground.

VEGETATION – Use scientific names of plants.

			Ab	solute	Dominant	Indicator					
Tree Stratum	(Plot size:	30')	%	Cover	Species?	Status	Dominance Tes	st worksh	eet:		
1							Number of Dom	inant Spec	cies That		
2.					<u></u>		Are OBL, FACW	, or FAC:	_	0	(A)
3.							Total Number of	Dominant	t Species		
4.							Across All Strata	a:	-	1	(B)
5.							Percent of Domi	nant Spec	ies That		
					=Total Cover		Are OBL, FACW	, or FAC:	_	0.0%	(A/B)
Sapling/Shrub Strate	<u>um</u> (Plot	size: 15	')								
1.							Prevalence Inde	ex worksł	neet:		
2.							Total % Co	ver of:	Mu	ltiply by:	
3.							OBL species	0	x 1 =	0	
4.							FACW species	0	x 2 =	0	_
5.							FAC species	0	x 3 =	0	_
					=Total Cover		FACU species	0	x 4 =	0	_
Herb Stratum	(Plot size:	5')					UPL species	10	x 5 =	50	_
1. Corn residue	·			90	Yes		Column Totals:	10	(A)	50	(B)
2. Draba verna				10	No	UPL	Prevalence Ir	ndex = B/A	A =	5.00	_`´
3.					·						_
4.							Hvdrophytic Ve	aetation I	ndicators		
5.					·		1 - Rapid Te	est for Hvd	rophytic Ve	aetation	
6.							2 - Dominan	ice Test is	>50%	0	
7.							3 - Prevalen	ce Index is	$s \le 3.0^{1}$		
8							4 - Morpholo	ogical Ada	otations ¹ (F	Provide si	upporting
9							data in Re	emarks or	on a separ	ate sheet	:)
10							Problematic	Hydronby	tic Venetat	ion ¹ (Evo	lain)
10			·	100	-Total Cover						
Woody Vine Stratun	n (Plot	size: 30	')	100			be present, unle	aric soli ar ss disturbe	ed or probl	nyarology ematic.	/ must
1.	_ 、		/								
2.					·		Hydrophytic				
					=Total Cover		Present?	Yes	No	Х	
Remarks: (Include)	photo numbers	here or on a	separate s	heet.)							

-	mathix	•	Real	ix i ealui							
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Textu	re		Remarks	
0-8	10YR 4/3	100					Loamy/C	layey			
8-16	7.5YR 4/4	90	10YR 4/3	10	С	PL	Loamy/C	layey			
		<u> </u>									
·								2			
'Type: C=Con	diastors	etion, RM=	=Reduced Matrix, N	/IS=Masi	ked Sand	Grains		Location:	PL=Pore Li	ning, M=Matr	X. Soilo ³ i
Histopol (A			Sandy Cla	wod Mot	iv (S4)			Coost	Drairia Pade		30115 .
Histosof (A	$(\Lambda 2)$		Sandy Bo		IX (34)		-			DX (A 10)	
Black Histi			Stripped M	JUX (33) Natrix (SF	:)		-	Red P	anyanese iv aront Matori	al (F21)	
Hydrogen	Sulfide (A4)		Dark Surfa	ann (87)	·)		-		hallow Dark	Surface (E2)	2)
Stratified I	avers (A5)			icky Mine	eral (F1)		-	Other	Fxnlain in F	emarks)	·)
2 cm Muck	(A10)			eved Mat	rix (F2)		-		,⊏∧piainini r	(ontaino)	
Depleted F	Selow Dark Surface	(A11)	Depleted I	Matrix (F	3)						
Thick Dark	Surface (A12))	Redox Da	rk Surfac	e (F6)		;	³ Indicators	of hydrophy	tic vegetation	and
Sandy Mud	cky Mineral (S1)		Depleted I	Dark Sur	ace (F7)			wetlan	d hydrology	must be pres	ent,
5 cm Muck	v Peat or Peat (S3)	Redox De	pression	s (F8)			unless	disturbed o	r problematic	,
	wer (if observed):										
Restrictive La											
Restrictive La	iyer (il observed).										
Restrictive La Type: Depth (incl Remarks: Miami silt loam	hes):	əd as a hy	dric soil.				Hydric Soi	I Present?		Yes	No_>
Restrictive La Type: Depth (incl Remarks: Miami silt loarr	hes):	ed as a hy	dric soil.				Hydric Soi	I Present?		Yes	No <u>></u>
Restrictive La Type: Depth (incl Remarks: Miami silt loam	hes):	ed as a hy	dric soil.				Hydric Soi	I Present?	,	Yes	No <u></u> →
Restrictive La Type: Depth (incl Remarks: Miami silt loam	hes): h(MmB2) is not rate SY ology Indicators:	ed as a hy	dric soil.				Hydric Soi	I Present?		Yes	No _>
Restrictive La Type: Depth (incl Remarks: Miami silt loarr HYDROLOG Wetland Hydr Primary Indica	hes): h(MmB2) is not rate Y ology Indicators: tors (minimum of o	ed as a hy	dric soil.	apply)			Hydric Soi	I Present?	Indicators (Yes	No _>
Restrictive La Type: Depth (incl Remarks: Miami silt loam HYDROLOG Wetland Hydr Primary Indica Surface W	hes): h(MmB2) is not rate A (MmB2) is not	ed as a hy	dric soil. ired: check all that	apply) ined Lea	ves (B9)		Hydric Soi	I Present?	Indicators (Yes minimum of t	No _> wo require
Restrictive La Type: Depth (incl Remarks: Miami silt loam HYDROLOG Wetland Hydr Primary Indica Surface W High Wate	hes): h(MmB2) is not rate (MmB2) is not rate by ology Indicators: tors (minimum of or fater (A1) or Table (A2)	ed as a hy	dric soil. ired; check all that Water-Sta Aquatic Fa	apply) ined Lea auna (B1	ves (B9) 3)		Hydric Soi	I Present?	Indicators (e Soil Crack ge Patterns	Yes minimum of t (B10) (B10)	No <u>></u>
Restrictive La Type: Depth (incl Remarks: Miami silt loarr HYDROLOG Wetland Hydr Primary Indica Surface W High Wate Saturation Wethan And	hes): hes): (MmB2) is not rate GY ology Indicators: tors (minimum of or 'ater (A1) or Table (A2) (A3) (A3)	ed as a hy	dric soil. ired: check all that Water-Sta True Aquatic Fa	apply) ined Lea auna (B1 tic Planta	ves (B9) 3) s (B14)		Hydric Soi	Secondary Surfac Draina Dry-Se	Indicators (e Soil Crack ge Patterns eason Water	Yes minimum of t is (B6) (B10) · Table (C2) C2)	No _>
Restrictive La Type: Depth (incl Remarks: Miami silt loarr HYDROLOG Wetland Hydr Primary Indica Surface W High Wate Saturation Water Mar	hes): hes): (MmB2) is not rate (MmB2) is not rate GY ology Indicators: tors (minimum of or fater (A1) or Table (A2) (A3) (A3) ks (B1) Decreting (D2)	ed as a hy	dric soil. ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen	apply) ined Lea auna (B1 tic Plant: Sulfide (ves (B9) 3) s (B14) Odor (C1))	Hydric Soi	Secondary Surfac Draina Dry-Se Crayfia	Indicators (e Soil Crack ge Patterns eason Water th Burrows (Yes minimum of t is (B6) (B10) • Table (C2) C8)	No _>
Restrictive La Type: Depth (incl Remarks: Miami silt loarr HYDROLOG Wetland Hydr Primary Indica Surface W Surface W Surface W Surface Mar Sediment I Sediment I	hes): hes): h(MmB2) is not rate A (MmB2) is not rate by ology Indicators: tors (minimum of or fater (A1) or Table (A2) (A3) ks (B1) Deposits (B2) hit (P2)	ed as a hy	dric soil. ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph	ves (B9) 3) s (B14) Ddor (C1) eres on I) iving Ro	Hydric Soi	Secondary Surfac Draina Dry-Se Crayfis Satura	Indicators (e Soil Crack ge Patterns ason Water h Burrows (tion Visible	Yes minimum of t iss (B6) (B10) Table (C2) C8) on Aerial Ima	No _>
Restrictive La Type: Depth (incl Remarks: Miami silt loarr High Vate Surface W High Wate Saturation Water Mar Sediment I Drift Depose	hes): hes): h(MmB2) is not rate (MmB2) is not rate by ology Indicators: tors (minimum of or fater (A1) r Table (A2) (A3) ks (B1) Deposits (B2) sits (B3) or Cruct (B4)	ed as a hy	dric soil. ired: check all that Water-Sta Aquatic Fa True Aqua Urue Aqua Presence Presence	apply) ined Lea auna (B1 tic Plant Sulfide C Rhizosph of Reduc	ves (B9) 3) s (B14) Odor (C1) eres on l sed Iron (tion in Ti) Living Ro [C4]	Hydric Soi	Secondary Surfac Draina Dry-Se Crayfis Satura Stunte	Indicators (e Soil Crack ge Patterns ason Water h Burrows (tion Visible of d or Stresse	Yes minimum of t as (B6) (B10) Table (C2) C8) on Aerial Ima ad Plants (D1) on (D2)	No _>
Restrictive La Type: Depth (incl Remarks: Miami silt loarr HYDROLOG Wetland Hydr Primary Indica Surface W High Wate Saturation Water Mar Sediment I Drift Depos Algal Mat o	hes): hes): (MmB2) is not rate (MmB2) is not rate GY ology Indicators: tors (minimum of o 'ater (A1) or Table (A2) (A3) 'ks (B1) Deposits (B2) sits (B3) or Crust (B4) Site (B5)	ed as a hy	dric soil. ired: check all that Water-Sta Aquatic Fa Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck	apply) ined Lea auna (B1 tic Plant Sulfide C Rhizosph of Reduc n Reduc	ves (B9) 3) s (B14) Odor (C1) eres on l ced Iron (tion in Ti (C7)) Living Ro (C4) Iled Soil:	Hydric Soi	Secondary Surfac Draina Dry-Se Crayfis Satura Stunte Geome	Indicators (e Soil Crack ge Patterns bason Water th Burrows (tion Visible d or Stresse orphic Positi	Yes minimum of t is (B6) (B10) · Table (C2) C8) on Aerial Ima id Plants (D1) on (D2) (D5)	No _>
Restrictive La Type: Depth (incl Remarks: Miami silt loarr HYDROLOG Wetland Hydr Primary Indica Surface W High Wate Saturation Water Mar Sediment I Drift Depos Algal Mat o Iron Depos	hes): hes): (MmB2) is not rate (MmB2) is not rate GY ology Indicators: tors (minimum of or fater (A1) or Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) Visible on Aerial In	ed as a hy	dric soil. ired; check all that Water-Sta Aquatic Fa Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck	apply) ined Lea auna (B1 tic Plant: Sulfide C Sulfide C Rhizosph of Reduc n Reduc Surface Well Dat	ves (B9) 3) s (B14) Odor (C1) eres on I ced Iron (tion in Ti (C7) a (D9)) _iving Ro (C4) Iled Soil:	Hydric Soi	Secondary Surfac Draina Dry-Se Crayfis Satura Stunte Geomo FAC-N	Indicators (e Soil Crack ge Patterns bason Water th Burrows (tion Visible d or Stresse orphic Positi eutral Test (Yes minimum of t is (B6) (B10) Table (C2) C8) on Aerial Ima id Plants (D1) on (D2) (D5)	No _>
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Restrictive La Type: Depth (incl Remarks: Miami silt loarr HYDROLOG Wetland Hydr Primary Indica Surface W High Wate Saturation Water Mar Sediment I Drift Depos Algal Mat of Iron Depos Inundation Sparsely V Field Observa Surface Water Water Table P Saturation Pre (includes capill Describe Reco	hes): hes): (MmB2) is not rate ology Indicators: tors (minimum of or ater (A1) r Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) Visible on Aerial In /egetated Concave ations: Present? Yes sent? Yes lary fringe) orded Data (stream	nagery (B7 Surface (E s	dric soil. ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or 38) Other (Exp No X No X No X No X No X	apply) ined Lea auna (B1 tic Plant: Sulfide C Rhizosph of Reduc n Reduc Surface Well Dat blain in R Depth (ii Depth (ii Depth (ii	ves (B9) 3) s (B14) Odor (C1) eres on l ted Iron (tion in Ti (C7) a (D9) emarks) nches): nches): nches):) Living Ro (C4) Iled Soil:	Hydric Soi	Secondary Surfac Draina Dry-Se Crayfis Satura Stunte Geomo FAC-N	Indicators (e Soil Crack ge Patterns eason Water th Burrows (tion Visible d or Stresse orphic Positi eutral Test / Present?	Yes minimum of t is (B6) (B10) Table (C2) C8) on Aerial Ima ed Plants (D1) on (D2) (D5) Yes	No _> wo require gery (C9)

Project/Site: Parks at Decatur		City/Cou	nty: Camby/	Marion	Sampling Date	e: <u>3/24/2021</u>	
Applicant/Owner: Chris McKinney/D.R. Horton				State: IN	Sampling Poin	ıt: 16	
Investigator(s): John Dixon, Matt Buck		Section, 7	Fownship, Ra	ange: S22 T14N R2E			
Landform (hillside, terrace, etc.): Berm			Local relief (d	concave, convex, none):	Linear		
Slope (%): 5 Lat: 39.63742°N		Long: ()86.29015°W	,	Datum: WGS 84	ţ	
Soil Map Unit Name: Miami silt loam (MmC2), 6 to 12	percent slop	es, eroded		NWI classi	fication:		
Are climatic / hydrologic conditions on the site typical	for this time o	of vear?	Yes X	No (lf no. ex	plain in Remarks	.)	
Are Vegetation Soil or Hydrology	significantly	disturbed?	Are "Normal (Circumstances" present	Yes X	No	
Are Vegetation Soil or Hydrology	naturally pro	hlematic? (If needed av	volain any answers in Re	marke)		
						4 4 -	_
SUMMARY OF FINDINGS – Attach site m	ap snowl	ng samplir	ig point ic	ocations, transects	, important f	eatures, etc).
Hydrophytic Vegetation Present? Yes N	lo_X_	Is the	Sampled A	rea			
Hydric Soil Present? Yes N	lo X	withi	n a Wetland	? Yes	No <u>X</u>		
Wetland Hydrology Present? Yes N	lo <u>X</u>						
Remarks:							
This is typical of the upland berm surrounding Wetla	nd G.						
VEGETATION – Use scientific names of pla	ants.			1			
Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test wo	rksheet:		
1. Morus rubra	10	Yes	FACU	Number of Dominant	Species That		
2. Pyrus calleryana	5	Yes	UPL	Are OBL, FACW, or F	FAC:	0 (A)	
3. Carya ovata	5	Yes	FACU	Total Number of Dom	inant Species		
4				Across All Strata:	· _	6 (B)	
5				Percent of Dominant	Species That		
	20	=Total Cover		Are OBL, FACW, or F	FAC:	0.0% (A/B)	5)
Sapling/Shrub Stratum (Plot size: 15')		FAOL				
1. Lonicera morrowii	20	Yes	FACU		orksheet:	nlu hư	
2. Morus rubra	5	No	FACU			<u>piy by.</u>	
4.		110	1700	FACW species	$\frac{5}{2}$ × 2 =	0	
5.	·			FAC species	$x_{3} =$	0	
	30	=Total Cover		FACU species 12	20 x 4 =	480	
Herb Stratum (Plot size: 5')				UPL species	5 x 5 =	25	
1. Solidago canadensis	30	Yes	FACU	Column Totals: 12	25 (A)	505 (B)	
2. <u>Setaria faberi</u>	20	Yes	FACU	Prevalence Index	= B/A =4	.04	
3. Cirsium arvense	10	No	FACU				
4. Dipsacus fullonum	10	No	FACU	Hydrophytic Vegeta	tion Indicators:		
5. Asclepias syriaca	5	No	FACU	1 - Rapid Test for	r Hydrophytic Veo	jetation	
6				2 - Dominance T	est is >50%		
7.				3 - Prevalence In	dex is ≤3.0'		
8				4 - Morphological data in Remar	l Adaptations' (Pr ks or on a separa	ovide supportinate sheet)	ng
9 10	·			Problematic Hydr	rophytic Vegetatio	on ¹ (Explain)	
10	75	=Total Cover		¹ Indicators of hydric s	coil and wetland k		
Woody Vine Stratum (Plot size: 15')			be present, unless dis	sturbed or proble	matic.	
1				Hydrophytic	<u> </u>		
2.				Vegetation			
		=Total Cover	_	Present? Yes	No	X	

(inches) 0-7 7-16	Color (moist) 10YR 4/4	%						
0-7	10YR 4/4	70	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
7-16		100					Loamy/Clayey	
 	7.5YR 4/4	90	10YR 5/4	5	С	М	Loamy/Clayey	
			10YR 5/6	5	С	М		
_			1011(0/0					
		·						
		·						
Type: C=Conc	centration, D=Dep	letion, RM	=Reduced Matrix, N	MS=Mas	ked Sand	Grains	. ² Location	: PL=Pore Lining, M=Matrix.
Hydric Soil Ind	licators:						Indicato	rs for Problematic Hydric Soils ³ :
Histosol (A1	1)		Sandy Gle	eyed Mat	rix (S4)		Coas	st Prairie Redox (A16)
Histic Epipe	edon (A2)		Sandy Red	dox (S5)			Iron-	Manganese Masses (F12)
Black Histic	c (A3)		Stripped N	latrix (Se	6)		Red	Parent Material (F21)
Hydrogen S	Sulfide (A4)	Dark Surfa	ace (S7)			Very	Shallow Dark Surface (F22)	
Stratified La	ayers (A5)	Loamy Mu	icky Mine	eral (F1)		Othe	r (Explain in Remarks)	
2 cm Muck	(A10)	Loamy Gle	eyed Mat	rix (F2)				
Depleted Be	elow Dark Surface	e (A11)	Depleted N	Matrix (F	3)		2	
Thick Dark	Surface (A12)		Redox Dar	rk Surfac	e (F6)		³ Indicato	rs of hydrophytic vegetation and
Sandy Mucl	ky Mineral (S1)		Depleted [Dark Sur	face (F7)		wetla	and hydrology must be present,
5 cm Mucky	y Peat or Peat (S3	3)	Redox Dep	pression	s (F8)		unles	ss disturbed or problematic.
IYDROLOG	Y							
IYDROLOG	Y blogy Indicators:							
IYDROLOG Wetland Hydro Primary Indicato	Y blogy Indicators: ors (minimum of c	one is requ	ired; check all that	apply)			Seconda	ry Indicators (minimum of two require
IYDROLOG Wetland Hydro Primary Indicato Surface Wa	Y blogy Indicators: ors (minimum of c ater (A1)	one is requ	ired; check all that	apply) ined Lea	ves (B9)		<u>Seconda</u> Surfa	ry Indicators (minimum of two require ace Soil Cracks (B6)
IYDROLOG Wetland Hydro Primary Indicato Surface Wa High Water	Y blogy Indicators: ors (minimum of c ater (A1) Table (A2)	one is requ	i <u>red; check all that</u> Water-Sta Aquatic Fa	apply) ined Lea auna (B1	ves (B9) 3)		Seconda Surfa Drair	ry Indicators (minimum of two require ace Soil Cracks (B6) age Patterns (B10)
IYDROLOG Wetland Hydro Primary Indicato Surface Wa High Water Saturation (Y blogy Indicators: ors (minimum of c ater (A1) Table (A2) (A3)	one is requ	ired; check all that Water-Sta Aquatic Fa True Aqua	apply) ined Lea auna (B1 atic Plant	ves (B9) 3) s (B14)		<u>Seconda</u> Surfa Drair Dry-S	r <u>y Indicators (minimum of two requir</u> ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2)
IYDROLOG Wetland Hydro Primary Indicato Surface Wa High Water Saturation (Water Mark	Y blogy Indicators: ors (minimum of c ater (A1) Table (A2) (A3) (A3) (S (B1)	one is requ	ired: check all that Water-Sta Aquatic Fa True Aqua Hydrogen	apply) ined Lea auna (B1 Sulfide (ves (B9) 3) s (B14) Ddor (C1))	<u>Seconda</u> Surfa Drair Dry-\$ Cray	ry Indicators (minimum of two require ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8)
IYDROLOG Wetland Hydro Primary Indicato Surface Wa High Water Saturation (Water Mark Sediment D	Y blogy Indicators: ors (minimum of c ater (A1) Table (A2) (A3) (A) (A) (A) (A) (A) (A) (A) (A	one is requ	ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F	apply) ined Lea auna (B1 ttic Plant Sulfide (Rhizosph	ves (B9) 3) s (B14) Ddor (C1) eres on I) _iving Re	<u>Seconda</u> Surfa Drair Dry-5 Cray poots (C3) Satu	ry Indicators (minimum of two require ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9)
IYDROLOG Wetland Hydro Primary Indicato Surface Wa High Water Saturation (Water Mark Sediment D Drift Deposi	Y blogy Indicators: ors (minimum of c ater (A1) Table (A2) (A3) (A) (A) (A) (A) (A) (A) (A) (A	one is requ	ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence	apply) ined Lea auna (B1 titic Plant Sulfide (Rhizosph of Reduc	ves (B9) 3) s (B14) Ddor (C1) eres on I ced Iron () _iving R(_C4)	<u>Seconda</u> Surfa Drair Dry-S Cray poots (C3) Satu	ry Indicators (minimum of two require ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1)
IYDROLOG Wetland Hydro Primary Indicato Surface Wa High Water Saturation (Water Mark Sediment D Drift Deposi Algal Mat o	Y blogy Indicators: ors (minimum of c ater (A1) Table (A2) (A3) (A3) (A3) (S (B1) Deposits (B2) its (B3) r Crust (B4)	one is requ	ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Recent Iro	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc	ves (B9) 3) s (B14) Ddor (C1) eres on I ced Iron (tion in Ti) Living Ro C4) Iled Soil	<u>Seconda</u> Surfa Drair Dry-S Cray oots (C3) Satu Stun s (C6) Geor	ry Indicators (minimum of two require ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2)
IYDROLOG Wetland Hydro Primary Indicato Surface Wa High Water Saturation (Water Mark Sediment D Drift Deposi Algal Mat on Iron Deposi	Y plogy Indicators: ors (minimum of c ater (A1) Table (A2) (A3) (A) (A) (A) (A) (A) (A) (A) (A	one is requ	ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro	apply) ined Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduc a Surface	ves (B9) 3) s (B14) Ddor (C1) eres on I ced Iron (tion in Ti (C7)) Living Ro (C4) Iled Soil	<u>Seconda</u> Surfa Drair Dry-5 Cray oots (C3) Satu Stun s (C6) Geor FAC	ry Indicators (minimum of two require ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) norphic Position (D2) -Neutral Test (D5)
Wetland Hydro Primary Indicato Surface Wa High Water Saturation (Water Mark Sediment D Drift Deposi Algal Mat or Iron Deposi Inundation V	Y plogy Indicators: ors (minimum of c ater (A1) Table (A2) (A3) (A) (A) (A) (A) (A) (A) (A) (A	one is requ magery (B	ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or V	apply) ined Lea auna (B1 titic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat	ves (B9) 3) s (B14) Ddor (C1) eres on I ced Iron (tion in Ti (C7) a (D9)) Living Ro C4) Iled Soil	<u>Seconda</u> Surfa Drair Dry-S Cray poots (C3) Satu Stun s (C6) Geor FAC	ry Indicators (minimum of two require ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) norphic Position (D2) -Neutral Test (D5)
IYDROLOG Wetland Hydro Primary Indicato Surface Wa High Water Saturation (Water Mark Sediment D Drift Deposi Algal Mat on Iron Deposi Inundation V Sparsely Ve	Y blogy Indicators: ors (minimum of c ater (A1) Table (A2) (A3) (A) (A) (A) (A) (A) (A) (A) (A	one is requ magery (B e Surface (ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or ¹ B8) Other (Exp	apply) ined Lea auna (B1 titic Plant Sulfide (Rhizosph of Reduc n Reduc s Surface Well Dat olain in R	ves (B9) 3) s (B14) Ddor (C1) eres on I ced Iron (tion in Ti (C7) a (D9) eemarks)) Living Ra C4) Iled Soil	<u>Seconda</u> Surfa Drair Dry-S Cray poots (C3) Satu Stun s (C6) EAC	ry Indicators (minimum of two require ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) norphic Position (D2) -Neutral Test (D5)
IYDROLOG Wetland Hydro Primary Indicato Surface Wa High Water Saturation (Water Mark Sediment D Drift Deposi Algal Mat or Iron Deposi Inundation Sparsely Ve	Y blogy Indicators: ors (minimum of c ater (A1) Table (A2) (A3) (A) (A) (A) (A) (A) (A) (A) (A	one is requ magery (B Surface (ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or V B8) Other (Exp	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc : Surface Well Dat blain in R	ves (B9) 3) s (B14) Odor (C1) eres on I ced Iron (tion in Ti (C7) a (D9) temarks)) Living R((C4) Iled Soil	<u>Seconda</u> Surfa Drair Dry-5 Cray oots (C3) Satu Stun s (C6) FAC	ry Indicators (minimum of two require ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)
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Project/Site: Parks a	Project/Site: Parks at Decatur				/: Camby/Mar	ion		Sampling Date:	3/24/21
Applicant/Owner:	Chris McK	inney/D.R. Horton			<u> </u>	State:	IN	Sampling Point:	17
Investigator(s): John	ו Dixon, Matt	i Buck		Section, Tov	vnship, Range:	S22 T1	14N R2E		
Landform (hillside, tr	errace, etc.)	: Swale		Lc	cal relief (conc	ave, conve	∍x, none):	Linear	
Slope (%): 2	Lat: <u>39.6</u> 3	3759°N		Long: 08(3.29063°W			Datum: WGS 84	
Soil Map Unit Name	: Treaty silty	/ clay loam (ThrA), (0-2 percent slopes.			N	WI class	ification:	
Are climatic / hydrole	ogic conditio	ins on the site typic:	al for this time of yer	ar? Y	es <u>X</u> N	vه	(If no, ex	plain in Remarks.)	
Are Vegetation	, Soil	, or Hydrology	significantly distu	urbed? Are	# "Normal Circu	imstances"	'present?	Yes X No	o <u> </u>
Are Vegetation	, Soil	, or Hydrology	naturally problem	natic? (If	needed, explair	n any answ	vers in Re	marks.)	
SUMMARY OF	FINDING	S – Attach site	map showing	sampling	point locat	tions, tra	ansects	s, important fea	atures, etc.
Hydrophytic Vegeta	ation Presen	it? Yes X	No	Is the S	ampled Area				

Hydrophytic Vegetation Present?	Yes	X No	Is the Sampled	Area		
Hydric Soil Present?	Yes	X No	within a Wetlan	d? Yes	Х	No
Wetland Hydrology Present?	Yes	X No				
Remarks:	eltand (V	Vetland C)	approvimately 0.52 ±/- acres in size			

This appears to be an emergent weltand (Wetland G), approximately 0.52 +/- acres in size.

VEGETATION – Use scientific names of plants.

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
1				Number of Dominant Species That
2				Are OBL, FACW, or FAC: 2 (A)
3				Total Number of Dominant Species
4				Across All Strata: 2 (B)
5				Percent of Dominant Species That
		=Total Cover		Are OBL, FACW, or FAC:100.0% (A/B)
Sapling/Shrub Stratum (Plot size: 15')				
1.				Prevalence Index worksheet:
2.				Total % Cover of: Multiply by:
3.				OBL species 115 x 1 = 115
4.				FACW species 45 x 2 = 90
5.				FAC species $0 \times 3 = 0$
		=Total Cover		FACU species $0 \times 4 = 0$
Herb Stratum (Plot size: 5')				$\frac{1}{1} = \frac{1}{2} = \frac{1}$
1. Typha latifolia	90	Yes	OBI	Column Totals: 160 (A) 205 (B)
2 Solidado didantea	20	No	FACW	$\frac{128}{2}$
3 Nasturtium officinale	15	No		
4 Epilobium hirsutum	15	No	FACW	Hydrophytic Vegetation Indicators:
5 Impatiens canensis	10	No	FACW	1 - Ranid Test for Hydronbytic Vegetation
	10		TACW	Y 2 Deminance Test is 50%
8				\times 2 - Dominance results >50%
<i>1.</i>				\underline{X} 3 - Prevalence index is ≤ 3.0
8				4 - Morphological Adaptations' (Provide supporting
9				
10				Problematic Hydrophytic Vegetation' (Explain)
	150	=Total Cover		¹ Indicators of hydric soil and wetland hydrology must
<u>Woody Vine Stratum</u> (Plot size: <u>30'</u>)				be present, unless disturbed or problematic.
1. Rosa palustris	10	Yes	OBL	Hydrophytic
2				Vegetation
	10	=Total Cover		Present? Yes X No
Demortice, (Include photo pumbero hero er en e conoro	to oboot)			

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Depth	Matrix		Redu	x i catui				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 2/1	100					Loamy/Clayey	
						<u> </u>	2	
Type: C=Co	ncentration, D=D	epletion, RM	=Reduced Matrix, N	/IS=Masi	ked Sand	Grains.	Locati	on: PL=Pore Lining, M=Matrix.
			Sandy Cla	vod Mot	riv (C4)		Indica	ors for Problematic Hydric Solis :
Histosol ((AT)		Sandy Bo		IX (34)			n Manganasa Massas (E12)
Black His	tic $(A3)$		Stripped M	latrix (SF	;)		10 	d Parent Material (F21)
Hydrogen	nic (A3) Sulfide (A4)		X Dark Surfa	iatilix (00	,)			ry Shallow Dark Surface (E22)
Stratified	Lavers (A5)			cky Mine	eral (F1)			her (Explain in Remarks)
2 cm Mur	, cis (, is)		Loamy Gl	eved Mat	rix (F2)		0	
Depleted	Below Dark Surfa	ice (A11)	X Depleted I	/atrix (F:	3)			
Thick Da	rk Surface (A12)		Redox Da	k Surfac	, e (F6)		³ Indica	tors of hydrophytic vegetation and
Sandy Mu	ucky Mineral (S1)		Depleted [Dark Sur	face (F7)		we	tland hydrology must be present,
5 cm Muc	cky Peat or Peat (S3)	Redox De	pression	s (F8)		un	less disturbed or problematic.
Restrictive L	ayer (if observe	d):						
Type:								
Type: Depth (in Remarks: Treaty silty cl	ches): ay loam (ThrA) is	rated as a h	ydric soil.				Hydric Soil Prese	ent? Yes <u>X</u> No
Type: Depth (in Remarks: Treaty silty cl	ches): ay loam (ThrA) is	rated as a h	ydric soil.				Hydric Soil Prese	ent? Yes <u>X</u> No
Type: Depth (in Remarks: Treaty silty cl	ches): ay loam (ThrA) is GY	rated as a h	ydric soil.				Hydric Soil Prese	ent? Yes <u>X</u> No
Type: Depth (in Remarks: Treaty silty cl	ches): ay loam (ThrA) is GY Irology Indicator	rated as a h	ydric soil.				Hydric Soil Prese	ent? Yes <u>X</u> No
Type: Depth (in/ Remarks: Treaty silty cl HYDROLO Wetland Hyd Primary Indic	ches): ay loam (ThrA) is GY Irology Indicator ators (minimum c	rated as a h s: f one is requ	ydric soil. ired; check all that	apply)			Hydric Soil Prese	ent? Yes X No
Type: Depth (in/ Remarks: Treaty silty cl HYDROLO Wetland Hyd Primary Indic X Surface V	ches): ay loam (ThrA) is GY Irology Indicator ators (minimum c Nater (A1)	rated as a h s: f one is requ	ydric soil. ired: check all that Water-Sta	apply) ined Lea	ves (B9)		Hydric Soil Prese	ent? Yes X No dary Indicators (minimum of two require rface Soil Cracks (B6) ainage Patterns (B10)
Type: Depth (in/ Remarks: Treaty silty cl IYDROLO IYDROLO Wetland Hyd Primary Indic X Surface V X High Wat X Saturation	ches): ay loam (ThrA) is GY Irology Indicator iators (minimum c Nater (A1) ter Table (A2) n (A3)	rated as a h s: f one is requ	ydric soil. <u>ired; check all that</u> Water-Sta Aquatic Fa	apply) ined Lea iuna (B1	ves (B9) 3) s (B14)		Hydric Soil Prese	ent? Yes X No dary Indicators (minimum of two require rface Soil Cracks (B6) ainage Patterns (B10) v-Season Water Table (C2)
Type: Depth (in/ Remarks: Treaty silty cl IYDROLO Wetland Hyd Primary Indic XSurface V X High Wat XSaturation Water Ma	ches): ay loam (ThrA) is GY Irology Indicator ators (minimum c Nater (A1) ier Table (A2) n (A3) arks (B1)	rated as a h s: f one is requ	ydric soil. ired; check all that Water-Sta Aquatic Fa True Aqua Hvdrogen	apply) ined Lea iuna (B1 tic Plant: Sulfide C	ves (B9) 3) s (B14) Ddor (C1)		Hydric Soil Prese	ent? Yes X No dary Indicators (minimum of two require rface Soil Cracks (B6) ainage Patterns (B10) y-Season Water Table (C2) avfish Burrows (C8)
Type: Depth (in/ Remarks: Treaty silty cl IYDROLO Wetland Hyd Primary Indic X Surface V X High Wat X Saturation Water Ma Sediment	ches): ay loam (ThrA) is GY Irology Indicator ators (minimum c Vater (A1) rer Table (A2) n (A3) arks (B1) t Deposits (B2)	rated as a h s: f one is requ	ydric soil. ired; check all that Water-Sta Aquatic Fa True Aqua Uydrogen Oxidized Fa	apply) ined Lea iuna (B1 tic Plant: Sulfide C thizosph	ves (B9) 3) s (B14) Ddor (C1) eres on L		Hydric Soil Press	ent? Yes X No dary Indicators (minimum of two require rface Soil Cracks (B6) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) turation Visible on Aerial Imagery (C9)
Type: Depth (in/ Remarks: Treaty silty cl IYDROLO Wetland Hyd Primary Indic X Surface V X High Wat X Saturation Water Ma Sediment Drift Depo	ches): ay loam (ThrA) is GY Irology Indicator iators (minimum c Vater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3)	rated as a h s: f one is requ	ydric soil. ired; check all that Water-Sta Aquatic Fa Aquatic Fa Urue Aqua Urue Aqua Cvidized F Presence	apply) ined Lea iuna (B1 tic Plant: Sulfide (thizosph of Reduc	ves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (iving Rc C4)	Hydric Soil Prese Second Su Dra Dra Dra Nots (C3) X Sa Stu	dary Indicators (minimum of two require rface Soil Cracks (B6) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) turation Visible on Aerial Imagery (C9) unted or Stressed Plants (D1)
Type: Depth (in/ Remarks: Treaty silty cl IYDROLO IYDROLO Wetland Hyd Primary Indic X Surface V X High Wat X Saturation Water Ma Sediment Drift Depo Algal Mat	ches): ay loam (ThrA) is GY frology Indicator ators (minimum c Vater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4)	rated as a h s: f one is requ	ydric soil. ired; check all that Water-Sta Aquatic Fa Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro	apply) ined Lea iuna (B1 tic Plant: Sulfide C thizosph of Reduc n Reduc	ves (B9) 3) s (B14) Ddor (C1) eres on L eed Iron (tion in Ti	.iving Rc C4) Iled Soils	Hydric Soil Press	ent? Yes X No dary Indicators (minimum of two require rface Soil Cracks (B6) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) turation Visible on Aerial Imagery (C9) unted or Stressed Plants (D1) comorphic Position (D2)
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Type: Depth (in/ Remarks: Treaty silty cl IYDROLO IYDROLO Wetland Hyd Primary Indic X Surface V X High Wat X Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo X Inundatio Sparsely Field Observ	ches): ay loam (ThrA) is GY Irology Indicator ators (minimum of Vater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) n Visible on Aeria Vegetated Conca vations:	rated as a h s: f one is requ I Imagery (B ve Surface ()	ydric soil. ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or ¹ B8) Other (Exp	apply) ined Lea una (B1 tic Plant Sulfide (thizosph of Reduc n Reduc Sulface Vell Dat Ilain in R	ves (B9) 3) s (B14) Ddor (C1) eres on L ced Iron (tion in Ti (C7) a (D9) emarks)	Living Rc C4) Iled Soils	Hydric Soil Press	ent? Yes X No dary Indicators (minimum of two require rface Soil Cracks (B6) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) turation Visible on Aerial Imagery (C9) unted or Stressed Plants (D1) comorphic Position (D2) C-Neutral Test (D5)
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Type: Depth (in/ Remarks: Treaty silty cl IYDROLO IYDROLO Wetland Hyd Primary Indic X Surface V X High Wat X Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo X Inundatio Sparsely Field Observ Surface Water	ches): ay loam (ThrA) is GY frology Indicator ators (minimum c Vater (A1) rer Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) n Visible on Aeria Vegetated Conca vations: er Present? Present?	rated as a h s: f one is requ I Imagery (B ve Surface (Yes <u>X</u> Yes <u>X</u>	ydric soil. ired; check all that Water-Sta Aquatic Fa Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or 1 B8) Other (Exp No No	apply) ined Lea iuna (B1 tic Plant: Sulfide (thizosph of Reduc n Reduc Surface Well Dat lain in R Depth (ii Depth (ii	ves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (tion in Ti (C7) a (D9) emarks) mches):	iving Rc C4) Iled Soils	Hydric Soil Prese Second Su Dra Dra Cra sots (C3) X Sa Stu s (C6) X Ge X FA	ent? Yes X No dary Indicators (minimum of two require rface Soil Cracks (B6) ainage Patterns (B10) y-Season Water Table (C2) ayfish Burrows (C8) turation Visible on Aerial Imagery (C9) unted or Stressed Plants (D1) comorphic Position (D2) C-Neutral Test (D5)
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Project/Site: Parks a	roject/Site: Parks at Decatur			City/Cour	nty: C	camby/N	Marion			Sampling Date:	3/24/21	
Applicant/Owner:	Chris	McKinney/D.R. Horton				Sta	ate:	IN	Sampling Point:	18		
nvestigator(s): John Dixon, Matt Buck				Section, Tr	ownsh	nship, Range:		S22 T14N R2E				
Landform (hillside, to	errace,	etc.): Swale		I	_ocal r	elief (cc	oncave, (conve	x, none):	Concave		
Slope (%): 2	Lat:	39.63744°N		Long: _0	86.29	242°W				Datum: WGS 84		
Soil Map Unit Name	: Treat	y silty clay loam (ThrA), 0	-2 percent slopes.			NWI cla			WI class	ssification:		
Are climatic / hydrold	ogic co [,]	nditions on the site typica	al for this time of yea	. r ?	Yes_	Х	No		(If no, ex	plain in Remarks.)		
Are Vegetation	, Soil	, or Hydrology	significantly distur	rbed? A	re "Nc،	ormal Ci	ircumstar	nces"	present?	Yes <u>X</u> N	o	
Are Vegetation	, Soil	, or Hydrology	naturally problem	atic? (I	f neec	led, exp	lain any	answ	/ers in Re	marks.)		
SUMMARY OF	FIND	INGS – Attach site	map showing s	samplin	g po	int loc	cation	s, tra	ansects	s, important fea	atures, e	etc.
Hydrophytic Veget:	ation P	resent? Yes X	No	Is the	Sam	aled Arc						

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

This appears to be an emergent weltand (Wetland F), approximately 0.98 +/- acres in size.

VEGETATION – Use scientific names of plants.

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
1. Salix alba	15	Yes	FACW	Number of Dominant Species That
2. Cornus amomum	10	Yes	FACW	Are OBL, FACW, or FAC: 6 (A)
3				Total Number of Dominant Species
4				Across All Strata: <u>6</u> (B)
5.				Percent of Dominant Species That
	25	=Total Cover		Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
Sapling/Shrub Stratum (Plot size: 15')				
1. Salix alba	25	Yes	FACW	Prevalence Index worksheet:
2. Cornus amomum	15	Yes	FACW	Total % Cover of: Multiply by:
3.				OBL species 120 x 1 = 120
4.				FACW species 115 x 2 = 230
5.				FAC species $0 x 3 = 0$
	40	=Total Cover		FACU species 0 x 4 = 0
Herb Stratum (Plot size: 5')				UPL species $0 x 5 = 0$
1. Typha latifolia	90	Yes	OBL	Column Totals: 235 (A) 350 (B)
2. Solidago gigantea	25	No	FACW	Prevalence Index = $B/A = 1.49$
3. Nasturtium officinale	20	No	OBL	
4. Epilobium hirsutum	15	No	FACW	Hydrophytic Vegetation Indicators:
5. Impatiens capensis	10	No	FACW	1 - Rapid Test for Hydrophytic Vegetation
6.				X 2 - Dominance Test is >50%
7.				X 3 - Prevalence Index is $\leq 3.0^1$
8.				 4 - Morphological Adaptations¹ (Provide supporting
9.	lu			data in Remarks or on a separate sheet)
10.	li andre se			Problematic Hydrophytic Vegetation ¹ (Explain)
	160	=Total Cover		¹ Indicators of hydric soil and wetland hydrology must
Woody Vine Stratum (Plot size: 30')				be present, unless disturbed or problematic.
1. Rosa palustris	10	Yes	OBL	Hydrophytic
2				Vegetation
	10	=Total Cover		Present? Yes X No
Remarks: (Include photo numbers here or on a separ	ato shoot)			

			Redu	x Featur	es			
inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 2/1	100					Loamy/Clayey	
,								
								-
<u> </u>								
		<u> </u>						
ype: C=Co	oncentration, D=Deple	etion, RM:	=Reduced Matrix, N	IS=Mas	ked Sand	d Grains		on: PL=Pore Lining, M=Matrix.
Histosol			Sandy Cla	vod Mat	riv (S4)		Indicat	ors for Problematic Hydric Solls :
	(AI) inadan (A2)		Sandy Gie	yeu Mat	nx (54)		C0a	Manganaga Magaga (E12)
			Sanuy Red	10x (33)	2)		II0	-Manganese Masses (F12)
-Hydroger	$\Delta Sulfide (A4)$		X Dark Surfa	co (97)))			v Shallow Dark Surface (E22)
Stratified	Lavers $(\Delta 5)$			cky Min	aral (⊑1)			er (Evolain in Remarke)
2 cm Mu	Layers (A3)			ved Met	rix (F2)		O	
 Denleted	Below Dark Surface	(A11)		Aatrix (F	3)			
Thick Da	rk Surface (A12)	(()))	Redox Dar	k Surfac	e (F6)		³ Indicat	ors of hydrophytic vegetation and
Sandy M	ucky Mineral (S1)		Depleted [ark Sur	face (F7)		wet	land hydrology must be present.
5 cm Mu	ckv Peat or Peat (S3))	Redox Der	pression	s (F8)		unle	ess disturbed or problematic.
estrictive l	aver (if observed):	/			- ()			
Type.	ayer (il observeu).							
Depth (in	ches).						Hydric Soil Prese	nt? Yes X No
	lay loam (ThrA) is rat	ed as a hy	/dric soil.					
	ay loam (1 hrA) is rat	ed as a hy	ydric soil.					
YDROLO	Iay loam (ThrA) is rat	ed as a hy	ydric soil.					
YDROLO	GY GY Indicators:	ed as a hy	ydric soil.					
YDROLO /etland Hyd	GY drology Indicators:	ed as a hy	ydric soil. ired; check all that a	apply)			<u>Second</u>	ary Indicators (minimum of two require
YDROLO Ietland Hydrimary Indic	GY GY drology Indicators: cators (minimum of or Water (A1)	ed as a hy	ydric soil. ired; check all that : Water-Sta	apply) ned Lea	ves (B9)		Second	ary Indicators (minimum of two requin face Soil Cracks (B6)
YDROLO /etland Hyd rimary Indic (_Surface \ (_High Wat	GY GY drology Indicators: cators (minimum of or Water (A1) ter Table (A2)	ed as a hy	ydric soil. ired; check all that a Water-Stai Aquatic Fa	apply) ned Lea una (B1	ves (B9) 3)		Second Sur Dra	<u>ary Indicators (minimum of two requir</u> face Soil Cracks (B6) inage Patterns (B10)
YDROLO Vetland Hyd rimary Indic (_Surface \ (_High Wat (_Saturatio	GY drology Indicators: cators (minimum of or Water (A1) ter Table (A2) n (A3)	ed as a hy	ydric soil. ired; check all that a Water-Stai Aquatic Fa True Aqua	apply) ned Lea una (B1 tic Plant	ves (B9) 3) s (B14)		<u>Second</u> Sur Dra Dry	ary Indicators (minimum of two requin face Soil Cracks (B6) inage Patterns (B10) -Season Water Table (C2)
YDROLO Yetland Hyc rimary Indic Surface V High Wat Saturatio Water Ma	GY drology Indicators: cators (minimum of or Water (A1) ter Table (A2) n (A3) arks (B1)	ed as a hy	ydric soil. ired; check all that ; Water-Stai Aquatic Fa True Aqua Hydrogen	apply) ned Lea una (B1 tic Plant Sulfide (ves (B9) 3) s (B14) Ddor (C1))	Second Sur Dra Dry Cra	ary Indicators (minimum of two requir face Soil Cracks (B6) inage Patterns (B10) -Season Water Table (C2) yfish Burrows (C8)
(DROLO tetland Hyd imary Indic Surface N Surface N Surface N Surface N Surface N Sedimen Sedimen	GY drology Indicators: cators (minimum of or Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2)	ed as a hy	ydric soil. ired; check all that : Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized R	apply) ned Lea una (B1 tic Plant Sulfide (hizosph	ves (B9) 3) s (B14) Ddor (C1) eres on L) Living Ro	<u>Second</u> Sur Dra Dry Cra pots (C3) <u>X</u> Sat	ary Indicators (minimum of two requin face Soil Cracks (B6) inage Patterns (B10) -Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9)
YDROLO /etland Hyc rimary Indic Surface \ High Wat Saturatio Water Ma Sedimen Drift Dep	GY drology Indicators: cators (minimum of or Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t are Cruct (B4)	ed as a hy	ydric soil. ired; check all that a Water-Stai Aquatic Fa True Aqua Understai Aquatic Fa Aquatic Fa Presence of Presence of Caracteria	apply) ned Lea una (B1 tic Plant Sulfide C hizosph of Reduc	ves (B9) 3) s (B14) Ddor (C1) eres on L ced Iron () Living Ro (C4)	<u>Second</u> Sur Dra Dry Cra pots (C3) <u>X</u> Sat Stu	ary Indicators (minimum of two requin face Soil Cracks (B6) inage Patterns (B10) -Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1)
YDROLO /etland Hyc /etland Hyc / Surface \ / High Wai / Saturatio Water Ma Sedimen Drift Dep Algal Mai	GY drology Indicators: cators (minimum of or Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4)	ed as a hy	vdric soil. ired; check all that a Water-Stail Aquatic Fa True Aqua Hydrogen Oxidized R Presence o Recent Iro	apply) ned Lea una (B1 tic Plant Sulfide (hizosph of Reduc n Reduc	ves (B9) 3) s (B14) Ddor (C1) eres on L ced Iron (tion in Ti) Living Ro (C4) Iled Soil:	Second Sur Dra Dry Cra pots (C3) X Sat Stu s (C6) X Geo	ary Indicators (minimum of two requir face Soil Cracks (B6) inage Patterns (B10) -Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) pmorphic Position (D2)
YDROLO Yetland Hyc rimary Indic Surface V High Wat Saturatio Water Ma Sedimen Drift Dep Algal Mat Iron Depo	GY drology Indicators: cators (minimum of or Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) posits (B5)	ne is requi	ydric soil. ired; check all that i Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized R Presence o Recent Iro Thin Muck	apply) ned Lea una (B1 tic Plant Sulfide (hizosph of Reduc n Reduc Surface	ves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (tion in Ti (C7)) Living Ro (C4) Iled Soil:	<u>Second</u> Sur Dra Cra Cra Cra Cra sots (C3) <u>X</u> Sat Stu s (C6) <u>X</u> Geo <u>X</u> FAO	ary Indicators (minimum of two requin face Soil Cracks (B6) inage Patterns (B10) -Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) omorphic Position (D2) C-Neutral Test (D5)
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YDROLO /etland Hyc rimary Indic Surface \ - Surface \ - High Wat - Saturatio - Water Ma - Sedimen - Drift Dep - Algal Mat - Iron Depo - Inundatio - Sparsely ield Obsern	GY drology Indicators: cators (minimum of or Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) on Visible on Aerial In Vegetated Concave vations:	nagery (Bi Surface (B	vdric soil. ired; check all that i Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized R Presence o Recent Iro Thin Muck 7) Gauge or V 38) Other (Exp	apply) ned Lea una (B1 tic Plant Sulfide C hizosph of Reduc n Reduc Surface Vell Dat lain in R	ves (B9) 3) s (B14) Odor (C1) eres on I ced Iron (tion in Ti (C7) a (D9) emarks)) Living Ro (C4) Iled Soil:	Second Sur Dra Cra Cra Cra Cra sots (C3) X Sat Stu Stu s (C6) X Ger X FAd	ary Indicators (minimum of two requin face Soil Cracks (B6) inage Patterns (B10) -Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) omorphic Position (D2) C-Neutral Test (D5)
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Project/Site: Parks a	at Decatur			City/County:	Camby/Mari	on		Sampling Date:	3/24/21
Applicant/Owner:	Chris Mcł	(inney/D.R. Horton				State:	IN	Sampling Point:	19
Investigator(s): Johr	Section, Towr	ship, Range:	S22 T1	4N R2E					
Landform (hillside, t	errace, etc.): Swale		Loca	al relief (conca	ave, conve	x, none):	Concave	
Slope (%): 2	Lat: 39.6	3728°N		Long: <u>086.</u> 2	29521°V			Datum: WGS 84	
Soil Map Unit Name	: Treaty silt	y clay loam (ThrA), ()-2 percent slopes.			N	WI class	ification:	
Are climatic / hydrol	ogic conditi	ons on the site typic:	al for this time of yea	ar? Yes	s <u>X</u> N	lo	(lf no, ex	kplain in Remarks.)	
Are Vegetation	, Soil	, or Hydrology	significantly distu	urbed? Are "	Normal Circur	mstances"	present?	? Yes <u>X</u> No	o
Are Vegetation	, Soil	, or Hydrology	naturally problem	natic? (If ne	eded, explain	ı any answ	/ers in Re	emarks.)	
SUMMARY OF	FINDING	S – Attach site	map showing	sampling r	point locat	ions, tra	ansect	s, important fea	itures, etc.
	·				-				-

Hydrophytic Vegetation Present?	Yes	Х	No	Is the Sampled Area			
Hydric Soil Present?	Yes	Х	No	within a Wetland?	Yes	Х	No
Wetland Hydrology Present?	Yes	Х	No		_		
Romarka:							

Remarks:

This appears to be an emergent/scrub weltand (Wetland E), approximately 0.30 +/- acres in size.

VEGETATION – Use scientific names of plants.

	Absolute	Dominant	Indicator		
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:	
1. <u>Salix alba</u>	20	Yes	FACW	Number of Dominant Species That	
2. Cornus amomum	10	Yes	FACW	Are OBL, FACW, or FAC: 5 (A	.)
3				Total Number of Dominant Species	
4.				Across All Strata: 5 (B	5)
5				Percent of Dominant Species That	
	30	=Total Cover		Are OBL, FACW, or FAC: 100.0% (A	./B)
Sapling/Shrub Stratum (Plot size: 15')					
1. Salix alba	30	Yes	FACW	Prevalence Index worksheet:	
2. Cornus amomum	15	Yes	FACW	Total % Cover of: Multiply by:	
3. Acer saccharinum	10	No	FACW	OBL species 110 x 1 = 110	
4				FACW species 145 x 2 = 290	
5.				FAC species 0 x 3 = 0	
	55	=Total Cover		FACU species 0 x 4 = 0	
Herb Stratum (Plot size: 5')				UPL species 0 x 5 = 0	
1. Typha latifolia	90	Yes	OBL	Column Totals: 255 (A) 400 (B	5)
2. Solidago gigantea	25	No	FACW	Prevalence Index = $B/A = 1.57$	
3. Nasturtium officinale	20	No	OBL		
4. Epilobium hirsutum	15	No	FACW	Hydrophytic Vegetation Indicators:	
5. Impatiens capensis	10	No	FACW	1 - Rapid Test for Hydrophytic Vegetation	
6. Phragmites australis	10	No	FACW	X 2 - Dominance Test is >50%	
7.				X 3 - Prevalence Index is ≤3.0 ¹	
8.				 4 - Morphological Adaptations¹ (Provide suppor 	rting
9.				data in Remarks or on a separate sheet)	
10.				Problematic Hydrophytic Vegetation ¹ (Explain)	
	170	=Total Cover		¹ Indicators of hydric soil and wetland hydrology mus	st
Woody Vine Stratum (Plot size: 30')				be present, unless disturbed or problematic.	51
1				Hvdrophytic	
2				Vegetation	
		=Total Cover		Present? Yes X No	
Remarks: (Include photo numbers here or on a separ	ate sheet)				

numbers here or on a separate sheet.)
(inches) 0-10											
0-10	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		F	Remarks	
	10YR 2/1	100					Loamy/Clay	yey			
10-16	10YR 2/1	70	10YR 3/1	20	D	М	Loamy/Clay	yey			
			2.5YR 5/2	10	D	PL					
Turne: C-Cor		lation RM-	Boducod Motrix				21		-Doro Lining	a M_Motrix	
Type. C=Con Tydric Soil In	dicators:		Reduced Matrix, IN	10=11185	keu Sanu	Giallis.	Inc	dicators fo	r Problemat	tic Hydric S	oils ^{3.}
Histosol (A	A1)		Sandv Gle	ved Mat	rix (S4)			Coast Pr	airie Redox (/	A16)	
Histic Epic	pedon (A2)		Sandy Re	dox (S5)				Iron-Man	ganese Mass	ses (F12)	
Black Histi	ic (A3)		Stripped N	latrix (Se	5)			 Red Pare	ent Material (I	F21)	
Hydrogen	Sulfide (A4)		X Dark Surfa	ace (S7)	,			Verv Sha	llow Dark Su	rface (F22)	
Stratified I	Lavers (A5)		Loamv Mu	ckv Mine	eral (F1)			Other (F)	plain in Rem	arks)	
2 cm Mucł	k (A10)		Loamy Gle	eved Mat	rix (F2)			_ 00. (_)			
Depleted F	Below Dark Surface	e (A11)	X Depleted M	Matrix (F	3)						
Thick Dark	k Surface (A12)	(,)	Redox Da	rk Surfac	e (F6)		³ ln	dicators of	hvdrophytic	vegetation a	and
Sandy Mu	ckv Mineral (S1)		X Depleted [Dark Sur	face (F7)			wetland h	vdroloav mu	st be prese	nt.
5 cm Mucł	ky Peat or Peat (S3	5)	Redox Der	pression	s (F8)			unless di	sturbed or pr	oblematic.	,
 Restrictive La	aver (if observed):	,			()						
Type [.]											
Type: Depth (inc Remarks: Treaty silty cla	hes):	ted as a hy					Hydric Soil P	Present?	۱ ۱	/es <u>X</u>	No
Type: Depth (inc Remarks: Treaty silty cla	hes): y loam (ThrA) is ra	ted as a hy	dric soil.				Hydric Soil P	Present?		/esX	No
Type: Depth (inc Remarks: Treaty silty cla	thes): γ loam (ThrA) is ra	ted as a hy	dric soil.				Hydric Soil P	Present?	<u> </u>	(es <u>X</u>	No
Type: Depth (inc Remarks: Treaty silty cla	hes): אy loam (ThrA) is ra	ted as a hy	dric soil.				Hydric Soil P	Present?	۱ ۱	res <u>X</u>	No
Type: Depth (inc Remarks: Treaty silty cla	shes): ay loam (ThrA) is ra	ted as a hy	dric soil.				Hydric Soil P	Present?	Y	/es <u>X</u>	No
Type: Depth (inc Remarks: Treaty silty cla	shes): ay loam (ThrA) is ra	ted as a hy	dric soil.				Hydric Soil P	Present?	Y	/es_X	No
Type: Depth (inc Remarks: Treaty silty cla HYDROLOG Wetland Hydr Primary Indica	ay loam (ThrA) is ra	ted as a hy	dric soil.	apply)			Hydric Soil P	Present?	dicators (min	Yes X	No
Type: Depth (inc Remarks: Treaty silty cla IYDROLOG Wetland Hydr Primary Indica X Surface W	ay loam (ThrA) is ra	ted as a hy	dric soil.	apply)	ves (B9)		Hydric Soil P	condary In Surface S	dicators (min	<u>fes X</u> himum of tw	No
Type: Depth (inc Remarks: Treaty silty cla IYDROLOG Wetland Hydr Primary Indica XSurface W XX High Wate	ches): ay loam (ThrA) is ra 3Y rology Indicators: <u>itors (minimum of o</u> 'ater (A1) rr Table (A2)	ted as a hy	dric soil. <u>ed; check all that</u> <u>Water-Sta</u> Aquatic Fa	apply) ined Lea auna (B1	ves (B9) 3)		Hydric Soil P	econdary In Surface S	dicators (min Goil Cracks (B Patterns (B1	<u>fes X</u> <u>nimum of tw</u> 36) 10)	No
Type: Depth (inc Remarks: Treaty silty cla IYDROLOG Wetland Hydr Primary Indica XSurface W XHigh Wate XSaturation	thes): ay loam (ThrA) is ra 3Y rology Indicators: ttors (minimum of o ′ater (A1) pr Table (A2) (A3)	ted as a hy	dric soil. <u>ed; check all that</u> <u>Water-Sta</u> Aquatic Fa True Aqua	apply) ined Lea auna (B1 tic Plant	ves (B9) 3) s (B14)		Hydric Soil P	econdary In _Surface S _Drainage Dry-Seas	dicators (min Soil Cracks (B Patterns (B1 on Water Ta	<u>fes X</u> <u>himum of tw</u> 36) 10) ble (C2)	No
Type: Depth (inc Remarks: Treaty silty cla IYDROLOG Wetland Hydr Primary Indica X Surface W X High Wate X Saturation Water Mar	ay loam (ThrA) is ra ay loam (ThrA) is ra GY rology Indicators: <u>itors (minimum of o</u> /ater (A1) rr Table (A2) (A3) rks (B1)	ted as a hy	dric soil. <u>ed; check all that a</u> <u>Aquatic Fa</u> <u>True Aqua</u> <u>Hydrogen</u>	apply) ined Lea auna (B1 tic Plant Sulfide (ves (B9) 3) s (B14) Ddor (C1)		Hydric Soil P	condary In Surface S Drainage Dry-Seas Crayfish	dicators (min Soil Cracks (f Patterns (B1 on Water Ta Burrows (C8)	<u>rimum of tw</u> 36) 10) ble (C2)	No
Type: Depth (inc Remarks: Treaty silty cla IYDROLOG Wetland Hydr Primary Indica X Surface W X High Wate X Saturation Water Mar Sediment	ay loam (ThrA) is ra ay loam (ThrA) is ra SY rology Indicators: itors (minimum of o /ater (A1) r Table (A2) (A3) rks (B1) Deposits (B2)	ted as a hy	dric soil. <u>ed; check all that</u> <u>Water-Sta</u> <u>Aquatic Fa</u> <u>True Aqua</u> <u>Hydrogen</u> Oxidized Fa	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph	ves (B9) 3) s (B14) Ddor (C1) eres on L		Hydric Soil P	condary In Surface S Drainage Dry-Seas Crayfish Saturatio	dicators (min Soil Cracks (B Patterns (B1 Son Water Ta Burrows (C8) n Visible on <i>i</i>	rimum of tw B6) I0) ble (C2) Aerial Image	No
Type: Depth (inc Remarks: Treaty silty cla IYDROLOC Wetland Hydr Primary Indica X Surface W X High Wate X Saturation Water Mar Sediment Drift Depos	ay loam (ThrA) is ra ay loam (ThrA) is ra GY rology Indicators: ttors (minimum of o /ater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) sits (B3)	ted as a hy	red; check all that water-Sta Aquatic Fa True Aqua Hydrogen Oxidized Fa Presence	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc	ves (B9) 3) s (B14) Ddor (C1) eres on L ced Iron (.iving Rc C4)	Hydric Soil P	econdary In _Surface S _Drainage _Dry-Seas _Crayfish _Saturatio _Stunted c	dicators (min Soil Cracks (B Patterns (B1 Son Water Ta Burrows (C8) n Visible on <i>J</i> or Stressed P	rimum of tw B6) I0) ble (C2) Aerial Image Plants (D1)	No o require ery (C9)
Type: Depth (inc Remarks: Treaty silty cla IYDROLOC Wetland Hydr Primary Indica X Surface W X High Wate X Saturation Water Mar Sediment I Drift Depos Algal Mat of	ay loam (ThrA) is ra ay loam (ThrA) is ra GY rology Indicators: <u>itors (minimum of o</u> /ater (A1) r Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4)	ted as a hy	dric soil. <u>red; check all that</u> <u>Water-Sta</u> <u>Aquatic Fa</u> <u>True Aqua</u> <u>True Aqua</u> <u>Uxidized Fa</u> <u>Qxidized Fa</u> <u>Cxidized Fa</u> <u>Cxidix</u>	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc	ves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (tion in Til	iving Ro C4) Iled Soils	Hydric Soil P	econdary In Surface S Drainage Dry-Seas Crayfish Saturatio Stunted o Geomorp	dicators (min Soil Cracks (F Patterns (B1 con Water Ta Burrows (C8) n Visible on <i>i</i> or Stressed P hic Position	rimum of tw B6) I0) ble (C2) Aerial Image Plants (D1) (D2)	No o require ery (C9)
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Type: Depth (inc Remarks: Treaty silty cla Treaty silty cla 1YDROLOC Wetland Hydr Primary Indica X Surface W X High Wate X Saturation Water Mar Sediment I Drift Depos Algal Mat o Iron Depos X Inundation Sparsely V Field Observa Surface Water Water Table P Saturation Pre (includes capil	ches): ay loam (ThrA) is ra 3Y rology Indicators: <u>ators (minimum of o</u> /ater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) t Visible on Aerial Ir /egetated Concave ations: r Present? Ye isent? Ye isent? Ye lary fringe)	ted as a hy ne is requir nagery (B7 Surface (B s_X s_X s_X	red; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence of Recent Iro Thin Muck) Gauge or V (8) Other (Exp No No No	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat olain in R Depth (i Depth (i	ves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (tion in Til (C7) a (D9) emarks) nches):nches):	Living Ro C4) Iled Soils	Hydric Soil P	econdary In Surface S Drainage Dry-Seas Crayfish Saturatio Sturatio Sturatio FAC-Neu FAC-Neu	dicators (min Soil Cracks (f Patterns (B1 on Water Ta Burrows (C8) n Visible on <i>i</i> or Stressed P shic Position thic Position that Test (D5	<u>res X</u> <u>himum of tw</u> B6) I0) ble (C2) Aerial Image Plants (D1) (D2)) fes X	No
Type: Depth (inc Remarks: Treaty silty cla Treaty silty cla TYDROLOC Wetland Hydr Primary Indica X Surface W X High Wate X Surface W X High Wate X Saturation Water Mar Sediment I Drift Depos Algal Mat o Iron Depos X Inundation Sparsely V Field Observa Surface Water Vater Table P Saturation Pre (includes capil Describe Reco	Ay loam (ThrA) is ra ay loam (ThrA) is ra ators (minimum of o /ater (A1) ar Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) v Visible on Aerial Ir /egetated Concave ations: r Present? Ye 'resent? Ye 'sent? Ye lary fringe) orded Data (stream	ted as a hy ne is requir nagery (B7 Surface (B s X s X s X gauge, mo	red; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence of Recent Iro Thin Muck) Gauge or N i8) Other (Exp No No No No No No No No No No	apply) ined Lea auna (B1 tic Plant Sulfide (Sulfide (S	ves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (tion in Tiil (C7) a (D9) emarks) nches): nches): , previous	Living Ro C4) Ied Soils	Hydric Soil P	Present? Present? Present? Provide the second se	dicators (min Soil Cracks (F Patterns (B1 on Water Ta Burrows (C8) n Visible on / or Stressed P shic Position thral Test (D5	<u>res X</u> <u>himum of tw</u> B6) 10) ble (C2) Aerial Image Plants (D1) (D2)) res X	No o require ory (C9)

Project/Site: Parks a	t Decatur			City/Co	ounty:	Camby/	Marior	า		Sampling	Date:	3/24/21
Applicant/Owner:	Chris McKir	ney/D.R. Horton						State:	IN	Sampling	Point:	20
Investigator(s): John	Dixon, Matt I	Buck		Section,	Towns	hip, Rar	nge:	S22 T1	4N R2E			
Landform (hillside, te	errace, etc.):	Swale			Local	relief (co	oncav	e, conve	x, none):	Linear		
Slope (%): 2	Lat: <u>39.63</u>	679°N		Long:	086.29	∂760°W				Datum: WC	GS 84	
Soil Map Unit Name:	Crosby silt I	oam (CrA), 0-2 p	ercent slopes.					N	WI class	ification:		
Are climatic / hydrold	gic condition	s on the site typic	cal for this time of y	ear?	Yes	Х	No		(If no, ex	plain in Rem	arks.)	
Are Vegetation	, Soil	, or Hydrology	significantly dis	turbed?	Are "N	ormal C	ircum	stances"	present?	Yes X	<u>No</u>)
Are Vegetation	, Soil	, or Hydrology	naturally proble	matic?	(If nee	ded, exp	plain a	iny answ	ers in Re	marks.)		
SUMMARY OF	FINDINGS	6 – Attach sit	e map showing	g sampl	ing po	oint lo	catio	ons, tra	insects	s, importa	int fea	tures, etc.
Hydrophytic Vegeta	tion Present?	Yes	No X	ls th	ne Sam	pled Ar	ea					
Hydric Soil Present	?	Yes	No X	with	nin a W	etland?		Y	es	No ×	(
Wetland Hydrology	Present?	Yes	No <u>X</u>									

Remarks:

This is row crop ground.

VEGETATION – Use scientific names of plants.

			Abso	lute Domi	nant I	ndicator					
Tree Stratum	(Plot size:	30')	% C	over Spec	ies?	Status	Dominance Tes	st worksh	eet:		
1							Number of Dom	inant Spec	cies That		
2.							Are OBL, FACW	V, or FAC:	_	0	(A)
3.							Total Number of	f Dominan	t Species		
4.							Across All Strata	a:	-	1	(B)
5.							Percent of Dom	inant Spec	ies That		
				=Total (Cover		Are OBL, FACW	, or FAC:	_	0.0%	(A/B)
Sapling/Shrub Strate	<u>um</u> (Plot	size: 15	')								
1.							Prevalence Ind	ex worksł	neet:		
2.							Total % Co	over of:	Mu	ltiply by:	
3.							OBL species	0	x 1 =	0	
4.							FACW species	0	x 2 =	0	_
5.							FAC species	0	x 3 =	0	_
				=Total (Cover		FACU species	0	x 4 =	0	_
Herb Stratum	(Plot size:	5')					UPL species	10	x 5 =	50	_
1. Corn residue	· · · · · ·	·	7) Ye	es		Column Totals:	10	(A)	50	(B)
2. Draba verna			1) N	0	UPL	- Prevalence li	ndex = B//	A =	5.00	_`´
3.											_
4.							Hvdrophytic Ve	egetation I	ndicators		
5.							1 - Rapid Te	est for Hvd	rophytic Ve	aetation	
6.							 2 - Dominar	nce Test is	>50%	0	
7.							3 - Prevaler	nce Index i	$s \le 3.0^{1}$		
8							4 - Morphole	ogical Ada	otations ¹ (F	Provide si	upporting
9							data in R	emarks or	on a separ	ate sheet	:)
10							Problematic	Hydrophy	tic Venetat	ion ¹ (Evo	lain)
10			8) –Total (Cover						
Woody Vine Stratun	n (Plot	size: 30	')		50701		be present, unle	aric soli ar	ed or probl	nyarology ematic.	/ must
1.							l hudno n hu dio				
2.							Negetation				
				=Total 0	Cover		Present?	Yes	No	Х	
Remarks: (Include	photo numbers	here or on a	separate she	et.)			•				

0.7 10YR 4/2 100	iches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
Z-16 10YR 5/4 70 10YR 5/2 15 D M Loamy/Clayey	0-7	10YR 4/2	100					Loamy/Clayey	
10YR 4/2 10 D M 10YR 5/6 5 C PL mill 10YR 5/6 5 C PL ge: Caccinentration, D=Depletion, RM-Reduced Matrix, MS=Masked Sand Grains. *Location: PL=Pore Lining, M=Matrix. field Soil indicators: Indicators for Problematic Hydric Soils? Histice Epicedon (A2) Sandy Gleyed Matrix (S4) Coast Praite Reduced (A16) Hakk Histic CA3) Stripped Matrix (S6) Red Parent Material (F21) Striffied Layers (A5) Learny Macky Mineral (F1) Other (Explain in Remarks) Depleted Batrix (F2) Redox Dark Surface (F7) wetrand hydroign must be present; Sorm Mucky Part Pote I Potal (S1) Depleted Matrix (F2) Depleted Matrix (F2) Depleted Batrix (F3) Redox Dark Surface (F7) unless disturbed or problematic. strictive Layer (if observed): Trye: unless disturbed or problematic. Type:	7-16	10YR 5/4	70	10YR 5/2	15	D	М	Loamy/Clayey	
IOUR 5/6 C PL IOUR 5/6 C PL IOUR 5/6 C PL IOUR 5/6 C PL Indicators in Indicators in Indicators in Cost Prain Redax (A16) Indicators in Cost Prain Redax (A16) Histose (I/1) Sandy Gleyed Matrix (S4) Cosast Prain Redax (A16) Jack Histic (A3) Straybed Matrix (S5) Inform-Manganee Masses (F12) Black Histic (A3) Straybed Matrix (S5) Red Parent Material (F21) Jydropen Sufface (A10) Loamy Mucky Mineral (F1) Other (Explain in Remarks) 2 cm Muck (A10) Loamy Mucky Mineral (F1) Other (Explain in Remarks) 2 cm Muck (A10) Loamy Mucky Mineral (F1) Other (Explain in Remarks) 2 cm Muck (A10) Loamy Mucky Materal (S1) Depleted Dafk Surface (F6) Sandy Mucky Materal (S1) Depleted Dafk Surface (F7) wetland hydrology must be present; Type: Depleted Dafk Surface (F7) wetland hydrology must be present; Type: Depleted Dafk Surface (F7) wetland hydrology must be present; Strate Valer (A1) Mater Santace (F7) wetland hydrology must be present; Strate Valer (A1) Matric Santace (F7) Secondary				10YR 4/2	10		М		
ypa: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. *Location: PL=Pore Lining, M=Matrix. yrdic Soli Indicators: Indicators for Problematic Hydric Solis*: Histoc Epipedon (A2) Sandy Redox (S5) Black Histic (A3) Stripped Matrix (S6) Stratified Layers (A5) Loarny Mucky Mineral (F1) Yeny Shallow (A4) Dark Surface (S7) Depleted Below Dark Surface (A1) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F7) Sandy Mucky Mineral (S1) Depleted Datrix (F3) Send Mucky Mineral (S1) Depleted Datrix (F3) Send Wucky Mineral (S1) Depleted Datrix Surface (F7) wetland hydrology must be present. set of the datrix (F3) Send Wucky Mineral (S1) Depleted Datrix Surface (F7) wetland hydrology must be present. set of the datrix (F3) Set (CtrA) is not rated as a hydric soil. Secondary Indicators (minimum of two requires in the marks) Surface Soli Cracks (B6) Surface Soli Cracks (B6) High Water Table (A2) Aquatic Fauna (B13) Drainage Patterns (B10) Surface Soli Cracks (B6) High Water Table (A2) Surface (G7) Water Marks (B1) Hydrogen Sulfide Odor				10YR 5/6	5	<u> </u>			
ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. *Location: PL=Pore Lining, M=Matrix. Histocators: Indicators for Problematic Hydric Soils? Indicators for Problematic Hydric Soils? Histoc (A2) Sandy Redox (S5) Inor-Margaine Redox (A16) Black Histic (A3) Stripped Matrix (S6) Coast Prairie Redox (A16) Fydrogen Sulfide (A4) Dark Surface (S7) Very Shallow Dark Surface (F12) Bart Histic Kots Loamy Mucky Mineral (F1) Other (Explain in Remarks) 2 cm Muck (A10) Loamy Mucky Mineral (F1) Other (Explain in Remarks) 2 cm Muck (A10) Depleted Matrix (F2) Indicators of hydrophytic vegetation and wetand hydrology must be present, and Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) unless disturbed or problematic. Strictive Layer (f Observed): Type: Depleted Dark Surface (F7) unless disturbed or problematic. Type: Depleted Dark Surface (A12) Redox Depressions (F8) unless disturbed or problematic. Strictive Layer (f Observed): Type: Depleted Dark Surface (A13) Drainage Patterns (B10) Surface S01 Matrix B01 (CrA) is not rated as a hydric soil. Secondary Indicators (minimum of two r				1011(3/0					
ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. *Location: PL=Pore Lining, M=Matrix. ydric Soil Indicators: Indicators for Problematic Hydric Soils? Indicators for Problematic Hydric Soils? Histice (A1) Sandy Redox (S5) Iron Manganese Masses (F12) Black Histic (X3) Stripped Matrix (S6) Red Parent Material (F21) Hydrogen Sulfide (A4) Dark Surface (S7) Very Shallow Dark Surface (F2) 2 cm Muck (A10) Learny Wucky Mineral (F3) Other (Explain in Remarks) 2 cm Muck (A10) Depleted Matrix (F3) Indicators of hydrophytic vegetation and wetland hydrology must be present, Sandy Mucky Mineral (S1) Depleted Matrix (F3) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) wetland hydrology must be present, escination of two requires disturbed or problematic. estrictive Layer (if observed): Type: marks: No_ Type: Surface Water (A11) Water-Staine Leaves (B9) Surface Soil Cracks (B6) High Water Table (A2) Aquatic Fauna (B13) Dariange Patterns (B10) Surface Pains (B10) Saturation (A3) True Aquatic Plants (B14) Dry-Saason Water Table (C2) Saturation (Visible on Aerial Imager) (C3) Softhe Paposits (B3) Presence of Redu									
ype: C-Concentration. D-Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. 'Location: 'Location: ype: C-Concentration. D-Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. 'Location: ype: C-Concentration. D-Depletion, RM=Reduced Matrix, (S4) Coast Problematic Hydric Solls?: Histic Epipedon (A2) Sandy Redox (S5) Inton-Manganese Masses (F12) Histic Epipedon (A2) Sandy Redox (S5) Inon-Manganese Masses (F12) Stattifed Layers (A5) Loamy Mucky Mineral (F1) Other (Explain in Remarks) 2 cm Muck (A10) Loamy Mucky Mineral (F1) Other (Explain in Remarks) Stattifed Layers (A5) Loamy Mucky Mineral (F1) Other (Explain in Remarks) Stattifed Layer (if observed): Type: Depleted Matrix (F3) Thick Dark Statase (A11) Depleted Dark Surface (F7) wetland hydrology must be present. G m Mucky Mineral (S1) Depleted Dark Surface (F7) unless disturbed or problematic. estrictive Layer (if observed): Type: No Type: Depth (inches): Water State (B1) Surface Soil Cracks (B6) Staturation (A3) True Aquatic Plants (B14) Drainage Patterns (B10) Surface Soil Cracks (B6) Staurat			. <u> </u>	<u> </u>					
Ype: C-concentration, D-Depletion, RM-Reduced Matrix, MS-Masked Sand Grains. *Location: "LetPore Lining, M-Matrix. Histosol (A1) Sandy Gleyed Matrix (S4) Indicators for Problematic Hydric Solis ³ : Histosol (A1) Sandy Gleyed Matrix (S6) Iron-Manganese Masses (F12) Black Histic (A3) Stripped Matrix (S6) Red Parent Material (F11) - Yury Shallow Dark Surface (S7) Very Shallow Dark Surface (F22) Opeleted Below Dark Surface (A10) Learny Gleyed Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Matrix (F3) Thick Dark Surface (A12) Redox Dark Surface (F7) Setrictive Layer (If observed): Type: Type:			. <u> </u>						
Yerk 5 Soil indicators: Indicators for Problematic Hydro Soils : Histosol (A1) Sandy Gleyed Matrix (S4) Coast Prairie Redox (A16) Histosol (A2) Sandy Redox (S5) Iron-Manganese Masses (F12) Black Histic (A3) Stripped Matrix (S6) Red Parent Material (F21) Hydrogen Sulfide (A4) Dark Surface (S7) Very Shallow Dark Surface (F22) Stratilied Layers (A5) Loamy Mucky Mineral (F1) Other (Explain in Remarks) 2 orn Muck (A10) Depited Bark Surface (F7) Welt Shallow Dark Surface (F2) Stratilied Layers (A12) Redox Dark Surface (F7) weltand hydrology must be present, S orn Mucky Mineral (S1) Depited Bark Surface (F7) weltand hydrology must be present, S orn Mucky Mineral (S1) Depited Dark Surface (F7) weltand hydrology must be present, Type:	ype: C=Cor	ncentration, D=Depl	etion, RM	=Reduced Matrix, N	IS=Mas	ked Sand	Grains	² Location:	PL=Pore Lining, M=Matrix.
Initio Cay Carlor	ydric Soil Ir	ndicators:		Candy Cla	and Mat			Indicator	s for Problematic Hydric Soils":
Inistic Epipedon (A2)	HISTOSOI (/	41) aadar (82)		Sandy Gle	yed Mat	fix (54)			
Lotach Institu (K3)	Block Hist			Sanuy Red	JOX (33) Intriv (Se	:)			Paront Material (E21)
Instruction Loamy Mucky Mineral (F1) Other (Explain in Remarks) 2 em Muck (A10) Loamy Wucky Mineral (F1) Other (Explain in Remarks) 2 em Muck (A10) Loamy Wucky Mineral (F1) Other (Explain in Remarks) 2 em Muck (A10) Depleted Matrix (F3) ************************************	Hydrogen	Sulfide (AA)		Oark Surfa	allix (30))			Shallow Dark Surface (E22)
	Stratified I	l avers (A5)			cky Mine	eral (F1)		Other	(Explain in Remarks)
Depleted Below Dark Surface (A11) Depleted Matrix (F3) Trick Dark Surface (A12) Redox Dark Surface (F7) wetland hydrology must be present, sem dwcky Peat or Peat (S3) Redox Depressions (F8) unless disturbed or problematic. setrictive Layer (if observed): Type: Depth (inches): Peth (inch	2 cm Muc	k (A10)		Loamy Gle	eved Mat	rix (F2)			
Thick Dark Surface (A12) Redox Dark Surface (F6) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. 5 cm Mucky Peat or Peat (S3) Redox Dark Surface (F7) wetland hydrology must be present, unless disturbed or problematic. estrictive Layer (if observed): Type:	Depleted	Below Dark Surface	(A11)	Depleted N	/atrix (F:	3)			
Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) wetland hydrology must be present, unless disturbed or problematic. Setrictive Layer (If observed): Type:	Thick Dar	k Surface (A12)	()	Redox Dar	k Surfac	e (F6)		³ Indicators	s of hydrophytic vegetation and
	Sandy Mu	icky Mineral (S1)		Depleted [Dark Sur	face (F7)		wetlar	nd hydrology must be present,
Type:	5 cm Muc	ky Peat or Peat (S3)	Redox Dep	pression	s (F8)		unless	s disturbed or problematic.
YDROLOGY Vetland Hydrology Indicators: trimary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of two required; check all that apply)	Type: Depth (inc emarks: crosby silt loa	ches):	l as a hyd	ric soil.				Hydric Soil Present	? Yes No
Vetland Hydrology Indicators: Secondary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of two required; check all that apply)	Type: Depth (inc Remarks: Crosby silt loa	ayer (in observed): ches):am (CrA) is not rated	l as a hyd	ric soil.				Hydric Soil Present	? Yes No
rimary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of two required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) Surface Soil Cracks (B6) High Water Table (A2) Aquatic Fauna (B13) Drainage Patterns (B10) Saturation (A3) True Aquatic Plants (B14) Dry-Season Water Table (C2) Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9 Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) FAC-Neutral Test (D5) Inundation Visible on Aerial Imagery (B7) Gauge or Well Data (D9) Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks) ield Observations: urface Water Present? Yes No X Depth (inches): 0 v/ater Table Present? Yes No X Depth (inches): 0 Wetland Hydrology Present? Yes No Inundation Present? Yes No </td <td>Type: Depth (inc emarks: crosby silt loa</td> <td>ches): am (CrA) is not rated</td> <td>l as a hyd</td> <td>ric soil.</td> <td></td> <td></td> <td></td> <td>Hydric Soil Present</td> <td>? Yes No</td>	Type: Depth (inc emarks: crosby silt loa	ches): am (CrA) is not rated	l as a hyd	ric soil.				Hydric Soil Present	? Yes No
Surface Water (A1) Water-Stained Leaves (B9) Surface Soil Cracks (B6) High Water Table (A2) Aquatic Fauna (B13) Drainage Patterns (B10) Saturation (A3) True Aquatic Plants (B14) Dry-Season Water Table (C2) Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9 Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) FAC-Neutral Test (D5) Inundation Visible on Aerial Imagery (B7) Gauge or Well Data (D9) FAC-Neutral Test (D5) Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks) Urface Water Present? Yes No X urface Water Present? Yes No X Depth (inches): 0 Wetland Hydrology Present? Yes No aturation Present? Yes No X Depth (inches): 0 Wetland Hydrology Present? Yes No ncludes capillary fringe) Eescribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Vestin Algore	Type: Depth (inc emarks: frosby silt loa	ayer (it observed): ches): am (CrA) is not rated am (CrA) is not rated GY rology Indicators:	l as a hyd	ric soil.				Hydric Soil Present	? Yes No _
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Iron Deposits (B5) Thin Muck Surface (C7) FAC-Neutral Test (D5) Inundation Visible on Aerial Imagery (B7) Gauge or Well Data (D9) FAC-Neutral Test (D5) Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks) Other (Explain in Remarks) ield Observations: 0 Other (Explain in Remarks) 0 water Table Present? Yes No X Depth (inches): 0 Water Table Present? Yes No X Depth (inches): 0 Wetland Hydrology Present? Yes No Acaturation Present? Yes No X Depth (inches): 0 Wetland Hydrology Present? Yes No ncludes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: If available:	Type: Depth (inc Remarks: Crosby silt loa YDROLOO YDROLOO Vetland Hydr Yrimary Indica Surface W High Wate Saturation Water Ma Sediment Drift Depo	aver (in observed): ches): am (CrA) is not rated GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) h (A3) rks (B1) Deposits (B2) osits (B3)	l as a hyd	ric soil. ired; check all that i Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized R Presence o	apply) ned Lea una (B1 tic Plant Sulfide (thizosph	ves (B9) 3) s (B14) Ddor (C1) eres on L ced Iron () iving Ro	Hydric Soil Present Hydric Soil Present Secondar Surfar Draina Dry-S Crayfi Sots (C3) Sturta	Yes No y Indicators (minimum of two requi ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9 ed or Stressed Plants (D1)
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ield Observations: urface Water Present? Yes No X Depth (inches): 0 /ater Table Present? Yes No X Depth (inches): 0 /aturation Present? Yes No X Depth (inches): 0 aturation Present? Yes No X Depth (inches): 0 Wetland Hydrology Present? Yes No ncludes capillary fringe) escribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Type: Depth (inc emarks: rosby silt loa YDROLOO /etland Hydu rimary Indica Surface W High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundatior	GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) h (A3) rks (B1) Deposits (B2) vsits (B3) or Crust (B4) sits (B5) h Visible on Aerial Ir	as a hyd	ric soil. ired; check all that a Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized R Presence o Recent Iro Thin Muck 7) Gauge or V	apply) ned Lea una (B1 tic Plant Sulfide (thizosph of Reduc n Reduc Surface Well Dat	ves (B9) 3) s (B14) Ddor (C1) eres on L eres on L iced Iron (tion in Til (C7) a (D9)) Living Ro (C4) Iled Soil:	Hydric Soil Present	Yes No y Indicators (minimum of two requi ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9 ed or Stressed Plants (D1) horphic Position (D2) Neutral Test (D5)
urface Water Present? Yes No X Depth (inches): 0 /ater Table Present? Yes No X Depth (inches): 0 aturation Present? Yes No X Depth (inches): 0 ncludes capillary fringe) Wetland Hydrology Present? Yes No escribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Type: Depth (inc emarks: rosby silt loa YDROLOO /etland Hydr rimary Indica Surface W High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundation Sparsely V	aver (in observed): ches): am (CrA) is not rated GY rology Indicators: ators (minimum of o vater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2) osits (B3) or Crust (B4) sits (B5) n Visible on Aerial Ir vegetated Concave	as a hyd ne is requ nagery (B Surface (I	ric soil. ired; check all that a Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized R Presence o Recent Iro Thin Muck 7) Gauge or V B8) Other (Exp	apply) ned Lea una (B1 tic Plant Sulfide (hizosph of Reduc n Reduc Surface Vell Dat lain in R	ves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (tion in Til (C7) a (D9) emarks)) _iving Ro (C4) Iled Soil:	Hydric Soil Present	Yes No y Indicators (minimum of two requi ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9 ed or Stressed Plants (D1) horphic Position (D2) Neutral Test (D5)
/ater Table Present? Yes No X Depth (inches): 0 0 aturation Present? Yes No X Depth (inches): 0 Wetland Hydrology Present? Yes No ncludes capillary fringe) escribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Mo	Type: Depth (inc emarks: rosby silt loa YDROLOG /etland Hyde rimary Indica Surface W Nater Ma Saturation Water Ma Sediment Nater Ma Nater Ma 	aver (if observed): ches): am (CrA) is not rated GY rology Indicators: ators (minimum of o vater (A1) er Table (A2) h (A3) rks (B1) Deposits (B2) osits (B3) or Crust (B4) sits (B5) h Visible on Aerial Ir vegetated Concave ations:	as a hyd ne is requ nagery (B Surface (l	ric soil. ired: check all that a Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized R Presence of Recent Iro Thin Muck 7) Gauge or N B8) Other (Exp	apply) ned Lea una (B1 tic Plant Sulfide (chizosph of Reduc n Reduc Surface Well Dat ilain in R	ves (B9) 3) s (B14) Ddor (C1) eres on L ced Iron (tion in Til (C7) a (D9) emarks)) _iving Ro (C4) Iled Soil:	Hydric Soil Present Hydric Soil Present Secondar Surfar Draina Dry-S Crayfi Dots (C3) Stunte s (C6) FAC-1	? Yes No y Indicators (minimum of two requi ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9 ed or Stressed Plants (D1) horphic Position (D2) Neutral Test (D5)
aturation Present? Yes No X Depth (inches): 0 Wetland Hydrology Present? Yes No ncludes capillary fringe) ncludes capillary fringe) Image: Comparison of the second s	Type: Depth (inc emarks: rosby silt loa YDROLOO Vetland Hydu rimary Indica Surface W High Wate Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundatior Sparsely V ield Observa urface Wate	GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) n Visible on Aerial Ir Vegetated Concave ations: r Present? Ye	as a hyd ne is requ nagery (B' Surface (i s	ric soil. ired; check all that i Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized R Presence o Recent Iro Thin Muck 7) Gauge or V B8) Other (Exp	apply) ned Lea una (B1 tic Plant Sulfide (hizosph of Reduc n Reduc Surface Well Dat lain in R	ves (B9) 3) s (B14) Ddor (C1) eres on L ced Iron (tion in Til (C7) a (D9) emarks) nches): _) _iving Ro (C4) Iled Soil:	Hydric Soil Present	Yes No y Indicators (minimum of two requi ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9 ed or Stressed Plants (D1) horphic Position (D2) Neutral Test (D5)
ncludes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Type: Depth (inc Remarks: Crosby silt loa YDROLOO Vetland Hydr Primary Indica Surface W High Water Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundatior Sparsely V Surface Wate Vater Table F	aver (it observed): ches): am (CrA) is not rated GY rology Indicators: ators (minimum of o vater (A1) er Table (A2) o (A3) rks (B1) Deposits (B2) or Crust (B4) sits (B5) or Visible on Aerial Ir vegetated Concave ations: r Present? Ye Present? Ye	as a hyd ne is requ nagery (B Surface () s	ric soil. ired; check all that a Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized R Presence o Recent Iro Thin Muck 7) Gauge or V B8) Other (Exp No X No X	apply) ned Lea una (B1 tic Plant Sulfide (hizosph of Reduc n Reduc Surface Vell Dat lain in R Depth (i Depth (i	ves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (tion in Til (C7) a (D9) emarks) emarks):) Living Ro (C4) Iled Soil:	Hydric Soil Present	? Yes No y Indicators (minimum of two requi ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9 ed or Stressed Plants (D1) horphic Position (D2) Neutral Test (D5)
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Type: Depth (inc Remarks: Crosby silt loa YDROLOG Vetland Hydr Primary Indica Surface W Saturation Water Ma Saturation Nater Ma Sediment Nater Ma Sediment Nater Ma Saturation Sparsely V Field Observe Surface Wate Vater Table F Gaturation Pre-	aver (it observed): ches): am (CrA) is not rated am (CrA) is not rated ators (minimum of o vater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2) osits (B3) or Crust (B4) sits (B5) n Visible on Aerial Ir vegetated Concave ations: r Present? Ye esent? Ye	as a hyd ne is requ nagery (B Surface (i ss	ric soil. ired: check all that a Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized R Presence o Recent Iro Thin Muck 7) Gauge or V B8) Other (Exp No X No X No X	apply) ned Lea una (B1 tic Plant Sulfide C thizosph of Reduc n Reduc Surface Well Dat lain in R Depth (i Depth (i	ves (B9) 3) s (B14) Odor (C1) eres on L ed Iron (tion in Til (C7) a (D9) emarks) nches): _ nches): _ nches): _) _iving Ro (C4) Iled Soil: 0 0 0	Hydric Soil Present	? Yes No y Indicators (minimum of two requi ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9 ed or Stressed Plants (D1) norphic Position (D2) Neutral Test (D5)
	Type: Depth (inc Conservations) silt loa Primary Indica Surface W High Water Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundation Sparsely W Surface Wate Vater Table F Saturation Pre ncludes capi	aver (if observed): ches): am (CrA) is not rated GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2) osits (B3) or Crust (B4) sits (B5) n Visible on Aerial Ir Vegetated Concave ations: r Present? Ye Present? Ye llary fringe)	as a hyd ne is requ nagery (B Surface (i ss	ric soil. ired; check all that a Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized R Presence of Recent Iro Thin Muck 7) Gauge or N B8) Other (Exp No X No X No X	apply) ned Lea una (B1 tic Plant Sulfide C chizosph of Reduc n Reduc Surface Well Dat Ilain in R Depth (i Depth (i	ves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (tion in Tiil (C7) a (D9) emarks) mches):nches):) iving Ro (C4) Iled Soil: 0 0 0	Hydric Soil Present	? Yes No

Project/Site: Parks a	at Decatur			City/Co	ounty: <u>C</u>	Camby/Ma	arion		Sampling Date:	3/24/21
Applicant/Owner:	Chris McKi	inney/D.R. Horton					State:	IN	Sampling Point:	21
Investigator(s): John	Dixon, Matt	Buck		Section,	, Townsh	ip, Range	e: S22	T14N R2E		
Landform (hillside, to	errace, etc.):	Swell			Local r	elief (con	cave, con	vex, none):	Convex	
Slope (%): 2	Lat: 39.63	3909°N		Long:	086.294	482°W			Datum: WGS 84	
Soil Map Unit Name	: Crosby silt	loam (CrA), 0-2 pe	ercent slopes.					NWI class	sification: -	
Are climatic / hydrole	ogic conditio	ns on the site typic	al for this time of y	/ear?	Yes	Х	No	(If no, e	kplain in Remarks.)	
Are Vegetation	, Soil	, or Hydrology	significantly dis	sturbed?	Are "No	ormal Circ	umstance	s" present	? Yes X N	o <u> </u>
Are Vegetation	, Soil	, or Hydrology	naturally proble	ematic?	(If need	led, expla	in any ans	swers in Re	emarks.)	
SUMMARY OF	FINDING	S – Attach site	e map showing	g sampl	ing po	int loca	ations, t	ransect	s, important fea	atures, etc.
Hydrophytic Vegeta	ation Present	t? Yes	No X	ls ti	he Samp	oled Area	I			
Hydric Soil Present	?	Yes	No X	with	hin a We	tland?		Yes	No X	
Wetland Hydrology	Present?	Yes	No <u>X</u>							

Remarks:

This is row crop ground.

VEGETATION – Use scientific names of plants.

				Absolute	Dominant	Indicator					
Tree Stratum	(Plot size:	30')	% Cover	Species?	Status	Dominance Test	t workshe	eet:		
1							Number of Domir	nant Spec	ies That		
2.							Are OBL, FACW,	, or FAC:	_	0	(A)
3.							Total Number of	Dominant	Species		
4.							Across All Strata:	:	· _	1	(B)
5.							Percent of Domir	nant Spec	ies That		
					=Total Cover		Are OBL, FACW,	, or FAC:	_	0.0%	(A/B)
Sapling/Shrub Strat	<u>um</u> (Plot	size:	15')								
1							Prevalence Inde	x worksh	neet:		
2.							Total % Cov	ver of:	Mu	ltiply by:	
3.							OBL species	0	x 1 =	0	
4.							FACW species	0	x 2 =	0	
5.							FAC species	0	x 3 =	0	
					=Total Cover		FACU species	0	x 4 =	0	
Herb Stratum	(Plot size:	5')				UPL species	10	x 5 =	50	
1. Corn residue				90	Yes		Column Totals:	10	(A)	50	(B)
2. Draba verna				10	No	UPL	Prevalence In	dex = B/A	۹ =	5.00	
3.											
4.							Hydrophytic Veg	getation I	ndicators		
5.							1 - Rapid Tes	st for Hyd	rophytic Ve	egetation	
6.							2 - Dominano	ce Test is	>50%		
7.							3 - Prevalenc	ce Index is	s ≤3.0 ¹		
8.							4 - Morpholo	gical Ada	ptations ¹ (F	Provide su	upporting
9.							data in Re	marks or	on a separ	ate sheet	:)
10.							Problematic I	Hydrophy	tic Vegetat	ion ¹ (Expl	lain)
				100	=Total Cover		¹ Indicators of hyd	fric soil ar	d wetland	hydrology	/ must
Woody Vine Stratur	<u>n</u> (Plot	size:	30')				be present, unles	s disturbe	ed or proble	ematic.	, mast
1							Hydronbytic				
2.							Vegetation				
					=Total Cover		Present?	Yes	No	Х	
Remarks: (Include	photo numbers	here or o	n a separa	te sheet.)							

US Army Corps of Engineers

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(inches)			Read	ix i ealui	00			
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 4/2	100					Loamy/Clayey	
8-16	10YR 5/4	70	10YR 4/2	15	D	М	Loamy/Clayey	
			10YR 5/2	10	D	М		
			10YR 5/6	5	<u> </u>	PI		
			10111 0/0					
		•						
Type: C=Con	centration, D=Depl	etion, RM	=Reduced Matrix, N	/IS=Masl	ked Sand	Grains.	² Locatio	on: PL=Pore Lining, M=Matrix.
lydric Soil In	dicators:						Indicat	ors for Problematic Hydric Soils':
Histosol (A	(1)		Sandy Gle	yed Mati	rix (S4)		Coa	ast Prairie Redox (A16)
Histic Epip	edon (A2)		Sandy Re	dox (S5)			Iror	-Manganese Masses (F12)
Black Histi	IC (A3)		Stripped N	atrix (Se))			D Parent Material (F21)
Hydrogen	Sulfide (A4)		Dark Suffa	ace (S7)			Ver	y Shallow Dark Surface (F22)
Stratified L	ayers (A5)		Loamy Mu	ICKY MINE	erai (⊢1)		Oth	ier (Explain in Remarks)
	(AIU) Rolow Dark Surface	(111)	Loamy Gle	eyea Mat	нх (F2) 5\			
Depieted E	Surface (A12)	(ATT)		viaifix (F)	o) o (E6)		³ Indicat	ore of hydrophytic variation and
Sondy Mu	Sunace (A12)			Dork Sur	e (FO)		muicat	land hydrology must be present
5 cm Muck	w Post or Post (S2	\	Depleted I				wei	and hydrology must be present,
)		JIESSION	5 (10)		uni	ess disturbed of problematic.
Restrictive La	iyer (if observed):							
_								
Type:	L).							
Type: Depth (incl Remarks: Crosby silt loar	hes): m (CrA) is not rated	l as a hydi	ric soil.				Hydric Soil Prese	nt? Yes <u>No</u>
Type: Depth (incl Remarks: Crosby silt loar	hes): m (CrA) is not rated	l as a hydi	ric soil.				Hydric Soil Prese	nt? Yes <u>No</u>
Type: Depth (incl Remarks: Crosby silt load	hes): m (CrA) is not rated	l as a hydi	ric soil.				Hydric Soil Prese	nt? YesNo_
Type: Depth (incl Remarks: Crosby silt loar IYDROLOG Wetland Hydr	hes): m (CrA) is not rated GY ology Indicators:	l as a hydi	ric soil.				Hydric Soil Prese	nt? Yes No
Type: Depth (incl Remarks: Crosby silt loar IYDROLOG Wetland Hydr Primary Indica	hes): m (CrA) is not rated SY ology Indicators: tors (minimum of o	l as a hydr	ric soil.	apply)			Hydric Soil Prese	nt? Yes No
Type: Depth (incl Remarks: Crosby silt loar IYDROLOG Netland Hydr Primary Indica Surface W	hes): m (CrA) is not rated bY ology Indicators: tors (minimum of o 'ater (A1)	l as a hydr	ric soil. ired; check all that Water-Sta	apply) ined Lea	ves (B9)		Hydric Soil Prese	nt? Yes No
Type: Depth (incl Remarks: Crosby silt loar IYDROLOG Wetland Hydr Primary Indica Surface W High Wate	hes): m (CrA) is not rated bY ology Indicators: tors (minimum of o fater (A1) rr Table (A2)	l as a hydr	ric soil. ired; check all that Water-Sta Aquatic Fa	apply) ined Lea auna (B1	ves (B9) 3)		Hydric Soil Prese	nt? Yes No
Type: Depth (incl Remarks: Crosby silt loar IYDROLOG Wetland Hydr Primary Indica Surface W High Wate Saturation	hes): m (CrA) is not rated GY ology Indicators: tors (minimum of o ater (A1) r Table (A2) (A3)	l as a hydi	ric soil. ired; check all that Water-Sta Aquatic Fa True Aqua	apply) ined Lea auna (B1 tic Planta	ves (B9) 3) s (B14)		Hydric Soil Prese	nt? Yes No lary Indicators (minimum of two requi face Soil Cracks (B6) inage Patterns (B10) -Season Water Table (C2)
Type: Depth (incl Remarks: Crosby silt loar IYDROLOG Wetland Hydr Primary Indica Surface W High Wate Saturation Water Mar	hes): m (CrA) is not rated GY ology Indicators: tors (minimum of o fater (A1) or Table (A2) (A3) (ks (B1)	l as a hydi	ric soil. ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen	apply) ined Lea auna (B1 tic Plant: Sulfide C	ves (B9) 3) s (B14) Odor (C1)		Hydric Soil Prese	nt? Yes No lary Indicators (minimum of two requi face Soil Cracks (B6) inage Patterns (B10) -Season Water Table (C2) iyfish Burrows (C8)
Type: Depth (incl Remarks: Crosby silt loar IYDROLOG Wetland Hydr Primary Indica Surface W High Wate Saturation Water Mar Sediment	hes): m (CrA) is not rated ology Indicators: tors (minimum of o later (A1) rr Table (A2) (A3) rks (B1) Deposits (B2)	l as a hydi	ric soil. ired; check all that Water-Sta Aquatic Fa Aquatic Fa Hydrogen Oxidized F	apply) ined Lea auna (B1 tic Plant: Sulfide (Rhizosph	ves (B9) 3) s (B14) Ddor (C1) eres on L		Hydric Soil Prese	nt? Yes No lary Indicators (minimum of two requi face Soil Cracks (B6) inage Patterns (B10) -Season Water Table (C2) iyfish Burrows (C8) uration Visible on Aerial Imagery (C9
Type: Depth (incl Remarks: Crosby silt load IYDROLOG Wetland Hydr Primary Indica Surface W High Wate Saturation Water Mar Sediment I Drift Depos	hes): m (CrA) is not rated by ology Indicators: tors (minimum of o ater (A1) or Table (A2) (A3) rks (B1) Deposits (B2) sits (B3)	l as a hydi	ric soil. ired; check all that Water-Sta Aquatic Fa Aquatic Fa True Aqua Hydrogen Oxidized F Presence	apply) ined Lea auna (B1 tic Plant: Sulfide C Rhizosph of Reduc	ves (B9) 3) s (B14) Odor (C1) eres on L sed Iron (.iving Ro	Hydric Soil Prese	nt? Yes No lary Indicators (minimum of two requi face Soil Cracks (B6) inage Patterns (B10) -Season Water Table (C2) iyfish Burrows (C8) uration Visible on Aerial Imagery (C9 nted or Stressed Plants (D1)
Type: Depth (incl Remarks: Crosby silt load IYDROLOG Wetland Hydr Primary Indica Surface W High Wate Saturation Water Mar Sediment I Drift Depos Algal Mat o	hes): m (CrA) is not rated GY ology Indicators: tors (minimum of o ater (A1) rr Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4)	ł as a hydi	ric soil. ired; check all that Water-Sta Aquatic Fa True Aqua True Aqua Uvidized F Presence Recent Iro	apply) ined Lea auna (B1 tic Plant: Sulfide C Rhizosph of Reduc n Reduc	ves (B9) 3) s (B14) Ddor (C1) eres on L ered Iron (tion in Ti	Living Rc C4) Iled Soils	Hydric Soil Prese	nt? Yes No lary Indicators (minimum of two requi face Soil Cracks (B6) inage Patterns (B10) -Season Water Table (C2) syfish Burrows (C8) uration Visible on Aerial Imagery (C9 nted or Stressed Plants (D1) pomorphic Position (D2)
Type: Depth (incl Remarks: Crosby silt load IYDROLOG Wetland Hydr Primary Indica Surface W High Wate Saturation Water Mar Sediment I Drift Depos Algal Mat o Iron Depos	hes): m (CrA) is not rated GY ology Indicators: tors (minimum of o fater (A1) or Table (A2) (A3) (A3) (ks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5)	l as a hydi	ric soil. ric soil. Water-Sta Aquatic Fa Aquatic Fa Aquatic Fa District Aquatic Presence Recent Iro Thin Muck	apply) ined Lea auna (B1 tic Plant Sulfide C Rhizosph of Reduc n Reduc Surface	ves (B9) 3) s (B14) Ddor (C1) eres on L ced Iron (tion in Ti (C7)	Living Ro C4) Iled Soils	Hydric Soil Prese	nt? Yes No lary Indicators (minimum of two requi face Soil Cracks (B6) inage Patterns (B10) -Season Water Table (C2) iyfish Burrows (C8) uration Visible on Aerial Imagery (C9 nted or Stressed Plants (D1) omorphic Position (D2) C-Neutral Test (D5)
Type: Depth (incl Remarks: Crosby silt loar IYDROLOG Netland Hydr Primary Indica Surface W High Wate Saturation Water Mar Sediment I Drift Depos Algal Mat o Iron Depos Inundation	hes): m (CrA) is not rated ology Indicators: tors (minimum of o fater (A1) rr Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) Visible on Aerial Ir	as a hydi	ric soil. ired; check all that Water-Sta Aquatic Fa Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or	apply) ined Lea auna (B1 tic Plant: Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat:	ves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (tion in Ti (C7) a (D9)	iving Rc C4) Iled Soils	Hydric Soil Prese	nt? Yes No lary Indicators (minimum of two requi face Soil Cracks (B6) inage Patterns (B10) -Season Water Table (C2) tyfish Burrows (C8) uration Visible on Aerial Imagery (C9 nted or Stressed Plants (D1) omorphic Position (D2) C-Neutral Test (D5)
Type: Depth (incl Remarks: Crosby silt load IYDROLOG Wetland Hydr Primary Indica Surface W High Wate Saturation Water Mar Sediment I Drift Depos Algal Mat o Iron Depos Inundation Sparsely V	hes): m (CrA) is not rated ology Indicators: tors (minimum of o 'ater (A1) rr Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) Visible on Aerial Ir 'egetated Concave	as a hydr ne is requi	ric soil. ired: check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or B8) Other (Exp	apply) ined Lea auna (B1 tic Plant Sulfide C Rhizosph of Reduc n Reduc n Reduc Surface Well Dat olain in R	ves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (tion in Ti (C7) a (D9) emarks)	iving Ro C4) Iled Soils	Hydric Soil Prese	nt? Yes No lary Indicators (minimum of two requi face Soil Cracks (B6) inage Patterns (B10) -Season Water Table (C2) hyfish Burrows (C8) uration Visible on Aerial Imagery (C9 nted or Stressed Plants (D1) omorphic Position (D2) C-Neutral Test (D5)
Type: Depth (incl Remarks: Crosby silt loar IYDROLOG Wetland Hydr Primary Indica Surface W High Wate Saturation Water Mar Sediment I Drift Depos Algal Mat o Iron Depos Inundation Sparsely V	hes): m (CrA) is not rated GY ology Indicators: tors (minimum of o fater (A1) or Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) Visible on Aerial Ir /egetated Concave ations:	d as a hydr ne is requi nagery (Bi Surface (E	ric soil. ired; check all that Water-Sta Aquatic Fa Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or B8) Other (Exp	apply) ined Lea auna (B1 tic Plant: Sulfide C Sulfide C	ves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (tion in Ti (C7) a (D9) emarks)	.iving Rc C4) Iled Soils	Hydric Soil Prese	nt? Yes No No lary Indicators (minimum of two requi face Soil Cracks (B6) inage Patterns (B10) -Season Water Table (C2) syfish Burrows (C8) uration Visible on Aerial Imagery (C9 nted or Stressed Plants (D1) omorphic Position (D2) C-Neutral Test (D5)
Type: Depth (incl Remarks: Crosby silt load IYDROLOG Wetland Hydr Primary Indica Surface W High Wate Saturation Water Mar Sediment I Drift Depos Algal Mat o Iron Depos Inundation Sparsely V Field Observa Surface Water	hes): m (CrA) is not rated ology Indicators: tors (minimum of o fater (A1) rr Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) Visible on Aerial Ir (egetated Concave ations: Present? Ye	nagery (B ² Surface (B	ric soil. ired: check all that Water-Sta Aquatic Fa Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or B8) Other (Exp	apply) ined Lea auna (B1 tic Plant Sulfide C Rhizosph of Reduc n Reduc Sulface Well Dat blain in R	ves (B9) 3) s (B14) Ddor (C1) eres on L ced Iron (tion in Ti (C7) a (D9) emarks) nches): _	iving Rc C4) Iled Soils	Hydric Soil Prese	nt? Yes No lary Indicators (minimum of two requi face Soil Cracks (B6) inage Patterns (B10) -Season Water Table (C2) syfish Burrows (C8) uration Visible on Aerial Imagery (C9 nted or Stressed Plants (D1) omorphic Position (D2) C-Neutral Test (D5)
Type: Depth (incl Remarks: Crosby silt load IYDROLOG Wetland Hydr Primary Indica Surface W High Wate Saturation Water Mar Sediment I Drift Depos Algal Mat o Iron Depos Inundation Sparsely V Field Observa Surface Water Water Table P	hes): m (CrA) is not rated ology Indicators: tors (minimum of o fater (A1) rr Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) Visible on Aerial Ir /egetated Concave ations: Present? Ye	as a hydr ne is requi	ric soil. ired: check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or B8) Other (Exp No X No X	apply) ined Lea auna (B1 tic Plant: Sulfide C Rhizosph of Reduc n Reduc Surface Well Dat blain in R Depth (ii Depth (ii	ves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (tion in Ti (C7) a (D9) emarks) emarks): 	Living Rc C4) Iled Soils	Hydric Soil Prese	nt? Yes No lary Indicators (minimum of two requi face Soil Cracks (B6) inage Patterns (B10) -Season Water Table (C2) nyfish Burrows (C8) uration Visible on Aerial Imagery (C9 nted or Stressed Plants (D1) omorphic Position (D2) C-Neutral Test (D5)
Type: Depth (incl Remarks: Crosby silt load IYDROLOG Wetland Hydr Primary Indica Surface W High Wate Saturation Water Mar Sediment I Drift Depos Algal Mat o Iron Depos Inundation Sparsely V Field Observa Surface Water Water Table P Saturation Pre	hes): m (CrA) is not rated ology Indicators: tors (minimum of o fater (A1) rr Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) Visible on Aerial Ir /egetated Concave attions: Present? Ye sent? Ye	as a hydr ne is requi nagery (Bi Surface (I sssssss	ric soil. ired: check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or B8) Other (Exp No X No X No X	apply) ined Lea auna (B1 tic Plant: Sulfide C Rhizosph of Reduc n Reduc Surface Well Dat blain in R Depth (ii Depth (ii Depth (ii	ves (B9) 3) s (B14) Odor (C1) eres on L eed Iron (tion in Ti (C7) a (D9) emarks) nches): _ nches): _ nches): _	Living Ro C4) Iled Soils	Hydric Soil Prese	nt? Yes No_ lary Indicators (minimum of two requi face Soil Cracks (B6) inage Patterns (B10) -Season Water Table (C2) nyfish Burrows (C8) uration Visible on Aerial Imagery (C9 nted or Stressed Plants (D1) omorphic Position (D2) C-Neutral Test (D5) ogy Present? Yes No
Type: Depth (incl Remarks: Crosby silt load HYDROLOG Wetland Hydr Primary Indica Surface W High Wate Saturation Water Mar Sediment I Drift Depos Algal Mat o Iron Depos Inundation Sparsely V Field Observa Surface Water Water Table P Saturation Pre (includes capil	hes): m (CrA) is not rated ology Indicators: tors (minimum of o ater (A1) rr Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) Visible on Aerial Ir /egetated Concave ations: Present? Ye sent? Ye lary fringe)	as a hydr ne is requi nagery (B Surface (E S S	ric soil. ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or B8) Other (Exp No X No X No X	apply) ined Lea auna (B1 tic Plant: Sulfide C Sulfide C	ves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (tion in Ti (C7) a (D9) emarks) mches): nches):	Living Ro C4) Iled Soils	Hydric Soil Prese	nt? Yes No_ lary Indicators (minimum of two requi face Soil Cracks (B6) inage Patterns (B10) -Season Water Table (C2) hyfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) omorphic Position (D2) C-Neutral Test (D5) ogy Present? Yes No_
Type: Depth (incl Remarks: Crosby silt load HYDROLOG Wetland Hydr Primary Indica Surface W High Wate Saturation Water Mar Sediment I Drift Depos Algal Mat o Iron Depos Inundation Sparsely V Field Observa Surface Water Water Table P Saturation Pre (includes capil Describe Reco	hes): m (CrA) is not rated ology Indicators: tors (minimum of o fater (A1) rr Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) Visible on Aerial Ir /egetated Concave ations: Present? Ye sent? Ye sent? Ye lary fringe) orded Data (stream	a as a hydr ne is requi	ric soil. ired: check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or B8) Other (Exp No X No X No X No X No X No X	apply) ined Lea auna (B1 tic Plant: Sulfide C Rhizosph of Reduc n Reduc Surface Well Dat blain in R Depth (ii Depth (ii Depth (ii l photos,	ves (B9) 3) s (B14) Ddor (C1) eres on L ied Iron (tion in Ti (C7) a (D9) emarks) nches): nches): previous	iving Rc C4) Iled Soils	Hydric Soil Prese	nt? Yes No_ lary Indicators (minimum of two requi face Soil Cracks (B6) inage Patterns (B10) -Season Water Table (C2) syfish Burrows (C8) uration Visible on Aerial Imagery (C9 nted or Stressed Plants (D1) omorphic Position (D2) C-Neutral Test (D5) ogy Present? Yes No_

Project/Site: Parks at Decatur		City/Cour	nty: Camby/	/Marion	Sampling Date:	3/24/2021
Applicant/Owner: Chris McKinney/D.R. Horton				State: IN	Sampling Point:	22
Investigator(s): John Dixon, Matt Buck		Section, T	¯ownship, Ra	ange: S22 T14N R2E		
Landform (hillside, terrace, etc.): Berm		I	Local relief (d	concave, convex, none):	Linear	
Slope (%): 3 Lat: <u>39.63861°N</u>		Long: 0)86.29 <u>252°W</u>		Datum: WGS 84	
Soil Map Unit Name: Miami silt loam (MmB2), 2 to 6 p	percent slope:	s, eroded		NWI classi	fication:	
Are climatic / hvdrologic conditions on the site typical	for this time c	of vear?	Yes X	No (If no, exp	olain in Remarks.)	
Are Vegetation Soil or Hydrology	significantly	disturbed? A	Are "Normal (Circumstances" present?	Yes X N	lo
Are Vegetation Soil or Hydrology	naturally pro	hlematic? (If needed ex	volain any answers in Re	marke)	
					·····	
SUMMARY OF FINDINGS - Attach site in	ap snown		g point io	Cations, transects	, Important lea	atures, etc.
Hydrophytic Vegetation Present? Yes N	lo <u>X</u>	Is the	Sampled A	rea		
Hydric Soil Present? Yes N	lo X	withir	n a Wetland	? Yes	No <u>X</u>	
Wetland Hydrology Present? Yes N	lo <u>X</u>					
Remarks:	_ 					
This is typical of the upland berm surrounding Wetlan	nd J.					
	+ 0					
VEGETATION – Use scientific names of pro	Ants.	Dominant	Indicator			
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test wo	rksheet:	
1. Morus rubra	10	Yes	FACU	Number of Dominant	Species That	
2. Pyrus calleryana	5	Yes	UPL	Are OBL, FACW, or F	-AC:	0 (A)
3. Carya ovata	5	Yes	FACU	Total Number of Dom	inant Species	
4.	·			Across All Strata:		10 (B)
5				Percent of Dominant	Species That	
	20	=Total Cover		Are OBL, FACW, or F	AC: (0.0% (A/B)
Sapling/Shrub Stratum (Plot size: 15')					
1. Lonicera morrowii	10	Yes	FACU	Prevalence Index wo	orksheet:	L
2. Morus rubra	<u> </u>	Yes				y by:
3. Juniperus virginiaria	<u> </u>	res	FACU	UBL species) XI=	0
45				FACTO Species () x3=	0
5	25	-Total Cover		FACU species 15	5 - x4 =	600
Herb Stratum (Plot size: 5')		-10101 00101		UPI species	50 x =	25
1. Solidado canadensis	30	Yes	FACU	Column Totals: 15	5 (A)	625 (B)
2. Setaria faberi	20	Yes	FACU	Prevalence Index	= B/A = 4.0	3
3. Bromus inermis	20	Yes	FACU			
4. Cirsium arvense	10	No	FACU	Hydrophytic Vegetat	ion Indicators:	
5. Dipsacus fullonum	10	No	FACU	1 - Rapid Test for	Hydrophytic Vege	etation
6.				2 - Dominance Te	əst is >50%	
7	·			3 - Prevalence In	dex is ≤3.0 ¹	
8.	·			4 - Morphological	Adaptations ¹ (Prov	vide supporting
9				data in Remark	<s a="" on="" or="" separate<="" td=""><td>e sheet)</td></s>	e sheet)
10				Problematic Hydr	ophytic Vegetation	¹ (Explain)
	. 90	=Total Cover		¹ Indicators of hydric s	oil and wetland hyd	drology must
Woody Vine Stratum (Plot size: 15)		54011	be present, unless dis	sturbed or problema	atic.
1. Rosa multiflora	20	Yes	FACU	Hydrophytic		
2	20	Total Covor		Vegetation	No X	
	20			Present? res		

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

SOIL

(inches) 0-9 9-16 	Color (moist) 10YR 4/4 7.5YR 4/4	% 100 90	Color (moist)		63			
0-9 9-16	10YR 4/4 7.5YR 4/4	<u>100</u> 90		%	Type ¹	Loc ²	Texture	Remarks
9-16	7.5YR 4/4	90					Loamy/Clayey	
¹ Type: C=Conce			10YR 5/4	5	С	М	Loamy/Clayey	
Type: C=Conce			10YR 5/6	5	C	М		
Type: C=Conce			1011(0/0					
Type: C=Conce								
Type: C=Conce								
Type: C=Conce								
Type: C=Conce								
	entration, D=Depl	etion, RM=	Reduced Matrix, I	MS=Mas	ked Sand	Grains	. ² Location: P	L=Pore Lining, M=Matrix.
Hydric Soil Indie	cators:						Indicators for	or Problematic Hydric Soils ³ :
Histosol (A1))		Sandy Gle	eyed Mat	rix (S4)		Coast P	rairie Redox (A16)
Histic Epiped	don (A2)		Sandy Re	dox (S5)			Iron-Mar	nganese Masses (F12)
Black Histic ((A3)		Stripped N	Aatrix (Se	5)		Red Par	ent Material (F21)
Hydrogen Su	ulfide (A4)		Dark Surfa	ace (S7)			Very Sha	allow Dark Surface (F22)
Stratified Lay	vers (A5)		Loamy Mu	icky Min	eral (F1)		Other (E	xplain in Remarks)
2 cm Muck (/	A10)	(Loamy Gl	eyed Ma	trix (F2)			
Depleted Bel	IOW Dark Surface	(A11)		viatrix (F	3)		3	Charles and the state of the state
Thick Dark S	Surface (A12)		Redox Da	rk Surfac	ce (F6)		Indicators of	f hydrophytic vegetation and
Sandy Mucky	y Mineral (S1)	`	Depleted	Jark Sur	tace (F7)		wetland	hydrology must be present,
	real of real (55)		pression	5 (1 0)	<u> </u>	uness u	isturbed of problematic.
-	er (if observed):							
Туре:								
Depth (inche	es):						Hydric Soil Present?	Yes <u>No</u>
	,							
Wetland Hydrol	ogy Indicators:			م م م م			Casaadamula	- dia stana (minimum of tura namin
Primary Indicator	rs (minimum of o	ne is requi	red; check all that	apply)	(BO)		Secondary Ir	ndicators (minimum of two requir
Sunace wate	EI(AI)				2)		Surface	Soll Clacks (B0)
Flight Water 1				tio Plont	3) a (P14)			e Fallenis (BTU)
Saturation (A	(B1)			Sulfido (5 (D14) Ddor (C1)		Dry-Sea	
VValet IVIAINS	ы (D1)			Suillue (ivina R	Clayiisii	$\frac{1}{2} \sum_{i=1}^{n} \frac{1}{2} \sum_{i=1}^{n} \frac{1}$
Sediment De	posite (B2)		Presence	of Redu	red Iron (Stunted	or Stressed Plants (D1)
Sediment De	eposits (B2) s (B3)		Recent Irc	n Reduc	tion in Til	led Soil		
Sediment De Drift Deposits	eposits (B2) s (B3) Crust (B4)			in recouct			S(Ch) (Geomor	phic Position (D2)
Sediment De Drift Deposits Algal Mat or	eposits (B2) s (B3) Crust (B4) s (B5)		Thin Muck	Surface	(C7)		s (C6) Geomor	phic Position (D2) utral Test (D5)
Sediment De Drift Deposits Algal Mat or Iron Deposits	eposits (B2) s (B3) Crust (B4) s (B5) lisible on Aerial Ir	nagery (B7	Thin Muck	: Surface Well Dat	e (C7) a (D9)		s (C6)Geomor FAC-Ne	phic Position (D2) utral Test (D5)
Sediment De Drift Deposits Algal Mat or Iron Deposits Inundation Vi Sparsely Vec	eposits (B2) s (B3) Crust (B4) s (B5) isible on Aerial In petated Concave	nagery (B7 Surface (F	Thin Muck 7) Gauge or 38) Other (Exi	Surface Well Dat	e (C7) a (D9) Remarks)		s (C6) Geomor FAC-Ner	phic Position (D2) utral Test (D5)
Sediment De Drift Deposits Algal Mat or Iron Deposits Inundation Vi Sparsely Veg	eposits (B2) s (B3) Crust (B4) s (B5) isible on Aerial In getated Concave	nagery (B7 Surface (E	Thin Muck 7) Gauge or 38) Other (Exp	CSurface Well Dat plain in F	e (C7) a (D9) Remarks)		s (C6) Geomor	phic Position (D2) utral Test (D5)
Sediment De Drift Deposits Algal Mat or Iron Deposits Inundation Vi Sparsely Veg Field Observatio	eposits (B2) s (B3) Crust (B4) s (B5) 'isible on Aerial In getated Concave ons:	nagery (B7 Surface (E	Thin Muck 7) Gauge or 38) Other (Exp	Surface Well Dat plain in F	e (C7) a (D9) Remarks)		s (C6)Geomor FAC-Nei	phic Position (D2) utral Test (D5)
Sediment De Drift Deposits Algal Mat or Iron Deposits Inundation Vi Sparsely Veg Field Observatio Surface Water P	eposits (B2) s (B3) Crust (B4) s (B5) isible on Aerial In getated Concave ons: tresent? Yes	nagery (B7 Surface (E s	7) Thin Muck 7) Gauge or 38) Other (Exp NoX	Surface Well Dat blain in F Depth (i	e (C7) a (D9) temarks) nches):		s (C6)Geomor FAC-Nei	phic Position (D2) utral Test (D5)
Sediment De Drift Deposits Algal Mat or Iron Deposits Inundation V Sparsely Veg Field Observation Surface Water P Water Table Prese Saturation Prese	eposits (B2) s (B3) Crust (B4) s (B5) isible on Aerial In getated Concave ons: resent? Yes sent? Yes	nagery (B7 Surface (E ss	Thin Muck 7) Gauge or 38) Other (Ex No X No X No X	Surface Well Dat Dain in F Depth (i Depth (i	e (C7) a (D9) Remarks) nches):nches):		S (C6) Geomor	phic Position (D2) utral Test (D5)
Sediment De Drift Deposits Algal Mat or Iron Deposits Inundation V Sparsely Veg Field Observation Surface Water P Water Table Prese Saturation Prese	eposits (B2) s (B3) Crust (B4) s (B5) 'isible on Aerial In getated Concave ons: 'resent? Yes sent? Yes ont? Yes	nagery (B7 Surface (E s s	Thin Muck 7) Gauge or 38) Other (Ex No X No X No X No X	x Surface Well Dat Dain in F Depth (i Depth (i Depth (i	e (C7) a (D9) Remarks) nches): _ nches): _ nches): _		S (C6) Geomor	phic Position (D2) utral Test (D5) Present? Yes No
Sediment De Drift Deposite Algal Mat or Iron Deposite Inundation V Sparsely Veg Field Observatio Surface Water P Water Table Pres Saturation Prese (includes capillar Describe Record	eposits (B2) s (B3) Crust (B4) s (B5) 'isible on Aerial In getated Concave ons: 'resent? Yes sent? Yes ent? Yes ty fringe)	nagery (B7 Surface (E ss ss	Thin Muck 7) Gauge or 38) Other (Exp No X No X No X	C Surface Well Dat Dain in F Depth (i Depth (i Depth (i	(C7) a (D9) cemarks) nches): nches): nches):		Wetland Hydrology F	phic Position (D2) utral Test (D5) Present? Yes No

Project/Site: Parks	at Decatur			City/County:	Camby/Mari	on		Sampling Date:	3/24/21
Applicant/Owner:	Chris McKi	nney/D.R. Horton	1			State:	IN	Sampling Point:	23
Investigator(s): Joh	n Dixon, Matt	Buck		Section, Towr	ship, Range:	S22 T1	14N R2E		
Landform (hillside,	terrace, etc.):	Swale		Loc	al relief (conca	ave, conve	ex, none):	: Linear	
Slope (%): 2	Lat: <u>39.63</u>	3871°N		Long: <u>086.</u>	29172°W			Datum: WGS 84	
Soil Map Unit Nam	e: Treaty silty	clay loam (ThrA),	, 0-2 percent slopes.			<u>۱</u>	VWI class	sification:	
Are climatic / hydro	logic conditio	ns on the site typic	cal for this time of ye	ar? Ye	s <u>X</u> N	lo	(If no, e)	xplain in Remarks.)	
Are Vegetation	, Soil	, or Hydrology	significantly dist	urbed? Are "	Normal Circur	mstances"	' present?	? Yes <u>X</u> N [,]	0
Are Vegetation	, Soil	, or Hydrology	naturally problem	natic? (If ne	eded, explain	ı any ansv	vers in Re	emarks.)	
SUMMARY OF	FINDING	S – Attach site	e map showing	sampling	point locat	ions, tr	ansect	s, important fea	atures, etc.
Hydrophytic Veget	tation Present	? Yes X	No	Is the Sa	mpled Area			N	

riyulophylic vegetallon riesent?			is the Sampleu Area		
Hydric Soil Present?	Yes X	No	within a Wetland?	Yes X	No
Wetland Hydrology Present?	Yes X	No			
Remarks:					
This appears to be an emergent w	eltand (Wetlan	d J), approximately 2.0	0 +/- acres in size.		

VEGETATION – Use scientific names of plants.

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
1				Number of Dominant Species That
2				Are OBL, FACW, or FAC: 2 (A)
3				Total Number of Dominant Species
4.				Across All Strata: 2 (B)
5.				Percent of Dominant Species That
		=Total Cover		Are OBL, FACW, or FAC: 100.0% (A/B)
Sapling/Shrub Stratum (Plot size: 15')				
1.				Prevalence Index worksheet:
2.				Total % Cover of: Multiply by:
3.				OBL species 120 x 1 = 120
4.				FACW species 50 $x 2 = 100$
5.				FAC species $0 x 3 = 0$
		=Total Cover		FACU species 0 x 4 = 0
Herb Stratum (Plot size: 5')				UPL species $0 \times 5 = 0$
1. Typha latifolia	90	Yes	OBL	Column Totals: 170 (A) 220 (B)
2. Solidago gigantea	25	No	FACW	Prevalence Index = $B/A = 1.29$
3. Nasturtium officinale	20	No	OBL	
4. Epilobium hirsutum	15	No	FACW	Hydrophytic Vegetation Indicators:
5. Impatiens capensis	10	No	FACW	1 - Rapid Test for Hydrophytic Vegetation
6.				X 2 - Dominance Test is >50%
7.				X 3 - Prevalence Index is $\leq 3.0^1$
8.				4 - Morphological Adaptations ¹ (Provide supporting
9.		·		data in Remarks or on a separate sheet)
10.		·		Problematic Hydrophytic Vegetation ¹ (Explain)
	160	=Total Cover		¹ Indicators of bydric soil and wetland bydrology must
Woody Vine Stratum (Plot size: 30')				be present, unless disturbed or problematic.
1. Rosa palustris	10	Yes	OBL	Hydrophytic
2				Vegetation
	10	=Total Cover		Present? Yes X No
Pomarka: (Include photo numbero horo or on a conor	oto oboot)			·

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

SOIL

inches)											
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Textur	e		Remarks	
0-16	10YR 2/1	100					Loamy/Cl	ayey			
		<u> </u>									
ype: C=Conc	entration, D=Depl	etion, RM=	Reduced Matrix, I	NS=Masl	ked Sand	d Grains.	2	_ocation:	PL=Pore L	ining, M=Mati	ix.
ydric Soil Ind	icators:						li	ndicator	s for Proble	ematic Hydric	Soils':
Histosol (A1)		Sandy Gle	eyed Mat	rix (S4)		_	Coast	t Prairie Rec	dox (A16)	
Histic Epipe	don (A2)		Sandy Re	dox (S5)			_	Iron-N	langanese l	Masses (F12)	
Black Histic	(A3)		Stripped N	latrix (Se	6)		_	Red F	Parent Mater	rial (F21)	
Hydrogen S	ulfide (A4)		X Dark Surfa	ace (S7)			_	Very	Shallow Dar	k Surface (F2	2)
Stratified La	yers (A5)		Loamy Mu	icky Mine	eral (F1)		_	Other	(Explain in	Remarks)	
2 cm Muck	(A10)		Loamy Gle	eyed Mat	rix (F2)						
Depleted Be	low Dark Surface	(A11)	X Depleted I	Matrix (F:	3)						
Thick Dark	Surface (A12)		Redox Da	rk Surfac	e (F6)		3	ndicator	s of hydroph	nytic vegetation	n and
Sandy Muck	ky Mineral (S1)		Depleted I	Dark Sur	face (F7)			wetla	nd hydrology	y must be pres	sent,
5 cm Mucky	Peat or Peat (S3)	Redox De	pression	s (F8)			unles	s disturbed	or problematic	•
estrictive Lay	er (if observed):										
Type:											
· · · ·											
Depth (inch Remarks: Treaty silty clay	es): Ioam (ThrA) is ra	ted as a hy	/dric soil.				Hydric Soil	Present	?	Yes <u>X</u>	
Depth (inch Remarks: reaty silty clay	es): Ioam (ThrA) is ra	ted as a hy	/dric soil.				Hydric Soil	Present	?	Yes <u>X</u>	No
Depth (inch emarks: reaty silty clay YDROLOG	es): loam (ThrA) is rat Y	ted as a hy	rdric soil.				Hydric Soil	Present	?	Yes <u>X</u>	No_
Depth (inch emarks: reaty silty clay YDROLOG /etland Hydro	es): Ioam (ThrA) is ra Ioay Indicators:	ted as a hy	/dric soil.				Hydric Soil	Present	?	Yes <u>X</u>	<u>No</u>
Depth (inch- emarks: reaty silty clay YDROLOG /etland Hydro rimary Indicate	es): loam (ThrA) is ra loam (ThrA) is ra Y logy Indicators: prs (minimum of o	ted as a hy	/dric soil. red; check all that	apply)			Hydric Soil	Present	? y Indicators	Yes X	No
Depth (inch- emarks: reaty silty clay YDROLOG Yetland Hydro rimary Indicato (_ Surface Wa	es): loam (ThrA) is rat Y logy Indicators: ors (minimum of o ter (A1)	ted as a hy	rdric soil. red: check all that Water-Sta	apply) ined Lea	ves (B9)		Hydric Soil	Present	? y Indicators ce Soil Crac	Yes X (minimum of f	No
Depth (inch emarks: reaty silty clay YDROLOG Yetland Hydro rimary Indicato Surface Wa Surface Wa High Water	es): loam (ThrA) is rat Y logy Indicators: prs (minimum of o ter (A1) Table (A2)	ted as a hy	rdric soil. red; check all that Water-Sta Aquatic Fa	apply) ined Lea auna (B1	ves (B9) 3)		Hydric Soil	Present	? y Indicators ce Soil Crac age Patterns	Yes X (minimum of t :ks (B6) s (B10)	No
Depth (inch- emarks: reaty silty clay YDROLOG Yetland Hydro rimary Indicato Surface Wa Surface Wa Surface Wa Saturation (es): loam (ThrA) is rat Y logy Indicators: ors (minimum of o ter (A1) Table (A2) A3)	ted as a hy	rdric soil. red; check all that Water-Sta Aquatic Fa True Aqua	apply) ined Lea auna (B1 ttic Plant	ves (B9) 3) s (B14)		Hydric Soil	Present	? y Indicators ce Soil Crac age Patterns eason Wate	Yes X (minimum of f cks (B6) s (B10) er Table (C2)	No
Depth (inch emarks: reaty silty clay YDROLOG Yetland Hydro rimary Indicato Surface Wa Surface Wa Surface Wa Saturation (Water Mark	es): loam (ThrA) is rat Y logy Indicators: ors (minimum of o ter (A1) Table (A2) A3) s (B1)	ted as a hy	rdric soil. red: check all that Water-Sta Aquatic Fa True Aqua Hydrogen	apply) ined Lea auna (B1 tic Plant Sulfide C	ves (B9) 3) s (B14) Ddor (C1))	Hydric Soil	Present	? y Indicators ce Soil Crac age Pattern eason Wate	Yes X (minimum of t cks (B6) s (B10) er Table (C2) (C8)	No
Depth (inch- emarks: reaty silty clay (DROLOG) (etland Hydro rimary Indicato (Surface Water Gaturation (Water Mark Sediment D	es): loam (ThrA) is rat Y logy Indicators: ors (minimum of o ter (A1) Table (A2) A3) s (B1) eposits (B2)	ted as a hy	rdric soil. red: check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F	apply) ined Lea auna (B1 titic Plant: Sulfide (Rhizosph	ves (B9) 3) s (B14) Ddor (C1) eres on l) iving Rc	Hydric Soil	Present	? y Indicators ce Soil Crac age Patterns eason Wate ish Burrows ation Visible	Yes X (minimum of f cks (B6) s (B10) er Table (C2) (C8) e on Aerial Ima	No
Depth (inch emarks: reaty silty clay YDROLOG Yetland Hydro rimary Indicato Surface Wa Surface Wa Saturation (Water Mark Sediment D Drift Deposi	es): loam (ThrA) is rat Y logy Indicators: prs (minimum of o ter (A1) Table (A2) A3) s (B1) eposits (B2) ts (B3)	ted as a hy	rdric soil. red; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence	apply) ined Lea auna (B1 titc Plant: Sulfide (Rhizosph of Reduc	ves (B9) 3) s (B14) Ddor (C1) eres on L ced Iron () iving Rc C4)	Hydric Soil	Present	? v Indicators ce Soil Crac age Patterns eason Wate ish Burrows ation Visible ed or Stress	Yes X (minimum of f kks (B6) s (B10) er Table (C2) (C8) e on Aerial Ima eed Plants (D1	No wo requi gery (C9
Depth (inch- emarks: reaty silty clay YDROLOG Yetland Hydro rimary Indicato X Surface Wa X High Water X Saturation (Water Mark Sediment D Drift Deposi Algal Mat or	es): loam (ThrA) is rat Y logy Indicators: prs (minimum of o ter (A1) Table (A2) A3) s (B1) eposits (B2) ts (B3) Crust (B4)	ted as a hy	rdric soil. red; check all that Water-Sta Aquatic Fa True Aqua Urue Aqua Presence Recent Irc	apply) ined Lea auna (B1 ttic Plant: Sulfide C Rhizosph of Reduc n Reduc	ves (B9) 3) s (B14) Ddor (C1) eres on L ced Iron (tion in Ti) _iving Rc C4) Iled Soils	Hydric Soil	Present	<u>y Indicators</u> ce Soil Crac age Patterns eason Wate ish Burrows ation Visible ed or Stress norphic Posi	Yes X (minimum of f cks (B6) s (B10) er Table (C2) (C8) e on Aerial Ima ked Plants (D1 tion (D2)	No wo requi
Depth (inch- emarks: reaty silty clay YDROLOG Yetland Hydro rimary Indicato Surface Wa Surface Wa Surface Wa Saturation (Water Mark Sediment D Drift Deposi Algal Mat or Iron Deposi	es): loam (ThrA) is rai Y logy Indicators: ors (minimum of o ter (A1) Table (A2) A3) s (B1) eposits (B2) ts (B3) • Crust (B4) ts (B5)	ted as a hy	rdric soil. red; check all that Water-Sta Aquatic Fa Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Irc Thin Muck	apply) ined Lea auna (B1 titc Plant: Sulfide C Rhizosph of Reduc n Reduc	ves (B9) 3) s (B14) Ddor (C1) eres on I ced Iron (tion in Ti (C7)) Living Rc C4) Iled Soils	Hydric Soil	Present	? y Indicators ce Soil Crac age Patterns eason Wate ish Burrows ation Visible ed or Stress norphic Posi Neutral Test	Yes X (minimum of f ks (B6) s (B10) er Table (C2) (C8) e on Aerial Ima ed Plants (D1 tion (D2) t (D5)	wo requi
Depth (inch- emarks: reaty silty clay YDROLOG Yetland Hydro rimary Indicato (Surface Wa Gurface Water Gaturation (Water Mark Sediment D Drift Deposi Algal Mat or Iron Deposi (Inundation)	es): loam (ThrA) is rat Y logy Indicators: ors (minimum of o ter (A1) Table (A2) A3) s (B1) eposits (B2) ts (B3) • Crust (B4) ts (B5) /isible on Aerial Ir	ted as a hy ne is requi	rdric soil. red: check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Irc Thin Muck 7) Gauge or	apply) ined Lea auna (B1 titic Plant: Sulfide C Rhizosph of Reduc n Reduc : Surface Well Dat	ves (B9) 3) s (B14) Ddor (C1) eres on I ced Iron (tion in Ti (C7) a (D9)) Living Rc C4) Iled Soils	Hydric Soil	econdar Surfa Drain Crayf X Satur Stunt X Georr X FAC-l	? v Indicators ce Soil Crac age Patterns eason Wate ish Burrows ation Visible ed or Stress norphic Posi Neutral Test	Yes X (minimum of t kks (B6) s (B10) er Table (C2) (C8) e on Aerial Ima ed Plants (D1 tion (D2) t (D5)	wo requi
Depth (inch- emarks: reaty silty clay YDROLOG Yetland Hydro rimary Indicato (Surface Wa (High Water (Saturation (Water Mark Sediment D Drift Deposi Algal Mat or Iron Deposi (Inundation \ Sparsely Ve	es): loam (ThrA) is rat form (Th	ted as a hy ne is requi nagery (B7 Surface (E	rdric soil. red; check all that Water-Sta Aquatic Fa True Aqua True Aqua United Fa Presence Recent Inc Thin Muck () Gauge or 38) Other (Exp	apply) ined Lea auna (B1 tic Plant Sulfide C Rhizosph of Reduc n Reduc s Surface Well Dat olain in R	ves (B9) 3) s (B14) Ddor (C1) eres on L ced Iron (tion in Ti (C7) a (D9) eemarks)) Living Rc C4) Iled Soils	Hydric Soil	Present	? v Indicators ce Soil Crac age Pattern eason Wate ish Burrows ation Visible ed or Stress norphic Posi Neutral Test	Yes X (minimum of f kks (B6) s (B10) er Table (C2) (C8) e on Aerial Ima eed Plants (D1 tion (D2) t (D5)	No wo requi
Depth (inch- emarks: reaty silty clay YDROLOG Yetland Hydro rimary Indicato Surface Wa Surface Wa Saturation (Water Mark Sediment D Drift Deposi Algal Mat or Iron Deposi Iron Deposi Inundation V Sparsely Ve	es): loam (ThrA) is rai Y logy Indicators: ors (minimum of o ter (A1) Table (A2) A3) s (B1) eposits (B2) ts (B3) · Crust (B4) ts (B5) /isible on Aerial Ir egetated Concave ions:	nagery (B7 Surface (E	rdric soil. red; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Irc Thin Muck 7) Gauge or 38) Other (Exp	apply) ined Lea auna (B1 ttic Plant: Sulfide (Rhizosph of Reduc in Reduc is Surface Well Date blain in R	ves (B9) 3) s (B14) Ddor (C1) eres on L ced Iron (tion in Ti (C7) a (D9) remarks)) Living Ro C4) Iled Soils	Hydric Soil	Eecondar Surfa Drain: Crayf X Saturt X Saturt X Georr X FAC-I	? y Indicators ce Soil Crac age Patterns eason Wate ish Burrows ation Visible ed or Stress norphic Posi Neutral Test	Yes X (minimum of f ks (B6) s (B10) er Table (C2) (C8) e on Aerial Ima ed Plants (D1 tion (D2) t (D5)	 wo requi
Depth (inch- emarks: reaty silty clay YDROLOG Yetland Hydro rimary Indicato Surface Wa Saturation (Saturation (Water Mark Sediment D Drift Deposi Algal Mat or Iron Deposi Algal Mat or Iron Deposi Sparsely Ve ield Observat	es): loam (ThrA) is rat Y logy Indicators: ors (minimum of o ter (A1) Table (A2) A3) s (B1) eposits (B2) ts (B3) c Crust (B4) ts (B5) /isible on Aerial Ir egetated Concave ions: Present? Ye	ted as a hy ne is requi nagery (B7 Surface (E	rdric soil. red: check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Irc Thin Muck r) Gauge or 38) Other (Exp	apply) ined Lea auna (B1 titc Plant: Sulfide C Sulfide C Chizosph of Reduc n Reduc Surface Well Dat: blain in R Depth (ii	ves (B9) 3) s (B14) Odor (C1) eres on I ced Iron (tion in Ti (C7) a (D9) eremarks) nches):) Living Ro (C4) Iled Soils	Hydric Soil	econdar Surfa Drain Dry-S Crayf X Satur Stunt X Geom X FAC-l	? y Indicators ce Soil Crac age Patterns eason Wate ish Burrows ation Visible ed or Stress horphic Posi Neutral Test	Yes X (minimum of t kks (B6) s (B10) er Table (C2) (C8) e on Aerial Ima red Plants (D1 tion (D2) t (D5)	 wo requii
Depth (inch- emarks: reaty silty clay YDROLOG Yetland Hydro rimary Indicate X Surface Water X Saturation (Water Mark Sediment D Drift Deposi Algal Mat or Iron Deposi X Inundation V Sparsely Ve ield Observat urface Water F /ater Table Pre-	es): loam (ThrA) is rat Y logy Indicators: <u>ors (minimum of o</u> ter (A1) Table (A2) A3) s (B1) eposits (B2) ts (B3) · Crust (B4) ts (B5) /isible on Aerial Ir · getated Concave ions: Present? Ye epost? Ye	ted as a hy ne is requi nagery (B7 Surface (E s_X s_X	rdric soil. red; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Irc Thin Muck r) Gauge or 38) Other (Exp No No	apply) ined Lea auna (B1 titc Plant: Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat oblain in R Depth (ii Depth (ii	ves (B9) 3) s (B14) Ddor (C1) eres on L ced Iron (tion in Ti (C7) a (D9) emarks) cemarks):) Living Rc (C4) Iled Soils	Hydric Soil	Present	? y Indicators ce Soil Crac age Patterns eason Wate ish Burrows ation Visible ed or Stress norphic Posi Neutral Test	Yes X (minimum of f kks (B6) s (B10) er Table (C2) (C8) e on Aerial Ima eed Plants (D1 tion (D2) t (D5)	No wo requir gery (C9
Depth (inch- emarks: reaty silty clay YDROLOG Yetland Hydro rimary Indicato X Surface Water X Saturation (Water Mark Sediment D Drift Deposi Algal Mat or Iron Deposi X Inundation N Sparsely Ve ield Observat urface Water F /ater Table Pre aturation Pres	es): loam (ThrA) is rat Y logy Indicators: <u>ors (minimum of o</u> ter (A1) Table (A2) A3) s (B1) eposits (B2) ts (B3) · Crust (B4) ts (B5) /isible on Aerial Ir egetated Concave ions: Present? Ye ent? Ye	ted as a hy ne is requi nagery (B7 Surface (E s X s X s X	rdric soil. red; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Irc Thin Muck Oxidized or Oxidized r Oxidized r Oxidized r Chin Muck No No No No No No No No No No	apply) ined Lea auna (B1 ttic Plant: Sulfide C Rhizosph of Reduc sufface Well Dat blain in R Depth (ii Depth (ii	ves (B9) 3) s (B14) Ddor (C1) eres on L ced Iron (tion in Ti (C7) a (D9) emarks) nches): nches):) Living Ro C4) Iled Soils	Hydric Soil	Present	? y Indicators ce Soil Crac age Patterns eason Wate ish Burrows ation Visible ed or Stress horphic Posi Neutral Test gy Present?	Yes X (minimum of f cks (B6) s (B10) er Table (C2) (C8) e on Aerial Ima ed Plants (D1 tion (D2) t (D5)	 wo requi
Depth (inch- emarks: reaty silty clay YDROLOG Yetland Hydro rimary Indicato X Surface Wa X High Water X Saturation (Water Mark Sediment D Drift Deposi Algal Mat or Iron Deposi X Inundation N Sparsely Ve ield Observat urface Water F /ater Table Pre aturation Pres ncludes capilla	es): loam (ThrA) is rat Y logy Indicators: ors (minimum of o ter (A1) Table (A2) A3) s (B1) eposits (B2) ts (B3) · Crust (B4) ts (B5) /isible on Aerial Ir egetated Concave ions: Present? Ye ent? Ye ent? Ye	ted as a hy ne is requi nagery (B7 Surface (E s X s X s X	rdric soil. red: check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Irc Thin Muck r) Gauge or 38) Other (Exp No No No	apply) ined Lea auna (B1 tic Plant: Sulfide C Rhizosph of Reduc n Reduc : Surface Well Dat blain in R Depth (in Depth (in	ves (B9) 3) s (B14) Ddor (C1) eres on I ced Iron (tion in Ti (C7) a (D9) temarks) nches): nches):) Living Rc C4) Iled Soils	Hydric Soil	Present	? y Indicators ce Soil Crac age Patterns eason Wate ish Burrows ation Visible ed or Stress horphic Posi Neutral Test gy Present?	Yes X (minimum of f ks (B6) s (B10) er Table (C2) (C8) e on Aerial Ima ed Plants (D1 tion (D2) t (D5) Yes X	 wo requi
Depth (inch- emarks: reaty silty clay YDROLOG Yetland Hydro rimary Indicato X Surface Wa X High Water X Saturation (Water Mark Sediment D Drift Deposi Algal Mat or Iron Deposi Iron Deposi Algal Mat or Iron Deposi Algal Mat or Iron Deposi Iron Deposi Iro	es): loam (ThrA) is rai Y logy Indicators: ors (minimum of o ter (A1) Table (A2) A3) s (B1) eposits (B2) ts (B3) • Crust (B4) ts (B3) • Crust (B4) ts (B5) /isible on Aerial Ir egetated Concave ions: Present? Ye ent? Ye ent? Ye ent? Ye	ted as a hy ne is requi nagery (B7 Surface (E s X s X s X gauge, mo	rdric soil. red: check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Irc Thin Muck r) Gauge or 88) Other (Exp No No No No No No	apply) ined Lea auna (B1 tic Plant: Sulfide C Rhizosph of Reduc n Reduc s Surface Well Dat blain in R Depth (ii Depth (ii Depth (ii l photos,	ves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (tion in Ti (C7) a (D9) emarks) nches): nches): nches):) Living Ro (C4) Iled Soils 3 0 0 5 inspect	Hydric Soil	Present Eecondar Surfa Drain Dry-S Crayf X Satur Stunt X Geom X FAC-I Hydrolog	? y Indicators ce Soil Crac age Patterns eason Wate ish Burrows ation Visible ed or Stress norphic Posi Neutral Test y Present?	Yes X (minimum of f kks (B6) s (B10) er Table (C2) (C8) e on Aerial Ima ed Plants (D1 tion (D2) t (D5)	 wo requi

Project/Site: Parks a	at Decatur			City/C	ounty:	Camby/	Mario	n		Sampling Date:	3/24/21
Applicant/Owner:	Chris McKi	nney/D.R. Horton						State:	IN	Sampling Point:	24
Investigator(s): Johr	ו Dixon, Matt	Buck		Section	i, Town	ship, Rar	nge:	S22 T1	4N R2E		
Landform (hillside, t	errace, etc.):	Swale			Loca	l relief (c	concav	/e, conve	x, none)	: Linear	
Slope (%): 2	Lat: <u>39.63</u>	764°N		Long	1: <u>086.2</u>	28948°W		,		Datum: WGS 84	
Soil Map Unit Name	: Treaty silty	clay loam (ThrA), (0-2 percent slope	÷S.				N	IWI class	sification:	
Are climatic / hydrole	ogic conditior	ns on the site typic	al for this time of	year?	Yes	Х	No)	(If no, e	xplain in Remarks.)	
Are Vegetation	, Soil	, or Hydrology	significantly di	isturbed?	Are "N	Normal C	Sircum	stances"	presenť	? Yes <u>X</u> N	lo
Are Vegetation	, Soil	, or Hydrology	naturally probl	lematic?	(If ne	eded, exp	plain a	any answ	ers in Re	emarks.)	
SUMMARY OF	FINDING	S – Attach site	amap showin	ng samp	ling p	oint lo	catio	ons, tra	ansect	s, important fe	atures, etc.
Hydrophytic Vegeta	ation Present	? Yes X	No	ls t	the San	npled Ar	rea				
Hydric Soil Present	t?	Yes X	No	wit	hin a V	Vetland?	?	Y	'es <u>X</u>	No	
Wetland Hydrology	/ Present?	Yes X	No								

Remarks:

This appears to be an emergent weltand (Wetland H), approx. 0.03 +/- acres in size.

VEGETATION – Use scientific names of plants.

					Absolute	Dominant	Indicator					
Tre	<u>e Stratum</u>	(Plot size:	30')	% Cover	Species?	Status	Dominance Tes	t workshe	et:		
1.								Number of Domi	inant Spec	ies That		
2.								Are OBL, FACW	, or FAC:	_	1	(A)
3.								Total Number of	Dominant	Species		
4.								Across All Strata	ı:		1	(B)
5.								Percent of Domi	nant Speci	es That		_
						=Total Cover		Are OBL, FACW	, or FAC:	_	100.0%	(A/B)
Sap	ling/Shrub Stra	<u>atum</u> (Plot	t size:	15')		-				_		
1.								Prevalence Inde	ex worksh	eet:		
2.								Total % Co	ver of:	Mu	ltiply by:	
3.								OBL species	90	x 1 =	90	_
4.								FACW species	30	x 2 =	60	
5.								FAC species	0	x 3 =	0	
						=Total Cover		FACU species	0	x 4 =	0	_
Hei	b Stratum	(Plot size:	5')				UPL species	0	x 5 =	0	-
1.	Typha latifolia				80	Yes	OBL	Column Totals:	120	(A)	150	(B)
2.	Solidago gigan	itea			15	No	FACW	Prevalence Ir	ndex = B/A		1.25	_
3.	Nasturtium offic	cinale			10	No	OBL					
4.	Epilobium hirsu	utum			10	No	FACW	Hydrophytic Ve	getation l	ndicators	:	
5.	Impatiens cape	ensis			5	No	FACW	1 - Rapid Te	st for Hydr	ophytic Ve	egetation	
6.								X 2 - Dominan	ce Test is	>50%		
7.								X 3 - Prevalen	ce Index is	≤3.0 ¹		
8.								4 - Morpholo	ogical Adap	otations ¹ (F	Provide su	pporting
9.								data in Re	emarks or o	on a sepai	ate sheet)	
10.								Problematic	Hydrophyt	ic Vegetat	tion ¹ (Expla	ain)
					120	=Total Cover		¹ Indicators of hydrogeneration	dric soil an	d wetland	hydrology	must
Wo	ody Vine Stratu	ı <u>m</u> (Plot	t size:	30')				be present, unles	ss disturbe	d or probl	ematic.	
1.								Hydrophytic				
2.								Vegetation				
						=Total Cover		Present?	Yes X	No		
Rei	narks: (Include	photo numbers	here or	on a separ	ate sheet.)							

			Redu	X i cului	00					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	
0-9	10YR 2/1	100					Loamy/Clayey	/		
9-16	10YR 2/1	80	10YR 3/1	20			Loamy/Clayey	/		
<u> </u>										
<u> </u>		·								
<u>.</u>										
¹ Type: C=Co	ncentration, D=Dep	letion, RM	=Reduced Matrix, N	/IS=Masl	ked Sand	d Grains.	² Loca	tion: PL=Pore Lir	ning, M=Matrix	<. - ·· · 3
Hydric Soil II	ndicators:				· (0.0)		Indic	ators for Problem	natic Hydric	Soils':
Histosol (A1)		Sandy Gle	yed Mati	rix (S4)			Coast Prairie Redo	x (A16)	
Histic Epi	pedon (A2)		Sandy Rec	lox (S5)				on-Manganese M	asses (F12)	
Black His				latrix (Se	5)		r	Red Parent Materia	al (F21)	
Hydrogen	Sulfide (A4)		X Dark Surfa	ice (S7)				ery Shallow Dark	Surface (F22)
Stratified	Layers (A5)		Loamy Mu	CKY Mine	eral (F1)			other (Explain in R	emarks)	
	K (A1U) Releve Derle Curfee	- ()]]	Loamy Gle	yed Mat	.fix (F∠)					
Depieted	Below Dark Surface	3 (A11)		/latrix (F.	3))) (E6)		³ India	ators of hydrophy	tia vagatatian	and
Filek Dai	K Sullace (A12)			K Sullac	e (FO)		maic			anu
	loky Milleral (ST)	2)	Depieted L		ace (F7)		v	place disturbed or	nust be prese	επ,
		3)		16221011	5 (1 0)		U		problematic.	
Restrictive L	aver (if observed):	н								
	, , , , , , , , , , , , , , , , , , ,									
Type:							Undria Cail Dra	aant?	Vac V	Na
Type: Depth (ind Remarks: Treaty silty cla	ches):	ited as a h	ydric soil.				Hydric Soil Pre	sent?	Yes <u>X</u>	No_
Type: Depth (ind Remarks: Treaty silty cla	ches):	ited as a h	ydric soil.				Hydric Soil Pre	sent?	Yes X	No
Type: Depth (inc Remarks: Treaty silty cla HYDROLO	ches): ay loam (ThrA) is ra GY	ited as a h	ydric soil.				Hydric Soil Pre	sent?	Yes X	No
Type: Depth (inc Remarks: Treaty silty cla HYDROLO Wetland Hyd Primary ladic	ches): ay loam (ThrA) is ra GY rology Indicators:	Ited as a h	ydric soil.				Hydric Soil Pre	sent?	Yes X	
Type: Depth (inc Remarks: Treaty silty cla HYDROLO Wetland Hyd Primary Indica	Ches): ay loam (ThrA) is ra GY rology Indicators: ators (minimum of c	ited as a h	ydric soil. ired; check all that i	apply)			Hydric Soil Pre	sent?	Yes X	No
Type: Depth (inc Remarks: Treaty silty cla 1YDROLO Wetland Hyd Primary Indica X Surface V	Ches): ay loam (ThrA) is ra GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2)	nted as a h	ydric soil. ired; check all that a Water-Stai	apply) ined Lea	ves (B9)		Hydric Soil Pre	sent? ndary Indicators (r Surface Soil Crack	Yes X minimum of tv s (B6) (B10)	No
Type: Depth (inc Remarks: Treaty silty cla HYDROLOO Wetland Hyd Primary Indica XSurface V X High Watt XSaturation	Ches): ay loam (ThrA) is ra GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2)	ited as a h	ydric soil. <u>ired; check all that i</u> <u>Water-Stai</u> Aquatic Fa	apply) ined Lea iuna (B1	ves (B9) 3)		Hydric Soil Pre	sent? ndary Indicators (r surface Soil Crack Drainage Patterns	Yes X minimum of tw s (B6) (B10) Table (C2)	No
Type: Depth (inc Remarks: Treaty silty cla HYDROLOO Wetland Hyd Primary Indica X Surface V X High Wato X Saturation Water Ma	Ches): ay loam (ThrA) is ra GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) urks (B1)	ited as a h	vdric soil. <u>ired; check all that i</u> <u>Water-Stai</u> Aquatic Fa <u>True Aqua</u> Hvdrogen	apply) ined Lea iuna (B1 tic Plant: Sulfide (ves (B9) 3) s (B14)		Hydric Soil Pre	sent? ndary Indicators (r Surface Soil Crack: Drainage Patterns Dry-Season Water Cravfish Burrows (r	Yes X minimum of tw s (B6) (B10) Table (C2)	No
Type: Depth (ind Remarks: Treaty silty cla HYDROLO Wetland Hyd Primary Indica X Surface V X High Wate X Saturation Water Ma Sediment	ches): ay loam (ThrA) is ra GY rology Indicators: ators (minimum of of Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2)	ited as a h	ydric soil. <u>ired; check all that i</u> Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized B	apply) ined Lea iuna (B1 tic Plant Sulfide (thizosph	ves (B9) 3) s (B14) Ddor (C1) eres on l) iving Rr	Hydric Soil Pre	sent? ndary Indicators (r Surface Soil Crack: Drainage Patterns Dry-Season Water Crayfish Burrows (f Saturation Visible of	Yes X minimum of tw s (B6) (B10) Table (C2) C8) on Aerial Imac	No
Type: Depth (inc Remarks: Treaty silty cla Treaty silty cla HYDROLOO Wetland Hyd Primary Indica X Surface V X High Wate X Saturatior Water Ma Sediment Drift Depo	ches): ay loam (ThrA) is ra GY rology Indicators: ators (minimum of of Vater (A1) er Table (A2) n (A3) rrks (B1) Deposits (B2) psits (B3)	nted as a h	ydric soil. ired; check all that a Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized R Presence of	apply) ined Lea tuna (B1 tic Plant: Sulfide (thizosph of Reduc	ves (B9) 3) s (B14) Ddor (C1) eres on L ced Iron (Living Ro	Hydric Soil Pre	ndary Indicators (r ourface Soil Crack Orainage Patterns Ory-Season Water Crayfish Burrows (f Saturation Visible of Saturation Visible of	<u>minimum of tv</u> s (B6) (B10) Table (C2) C8) on Aerial Image d Plants (D1)	No
Type: Depth (ind Remarks: Treaty silty cla Treaty silty cla HYDROLOO Wetland Hyd Primary Indica X Surface V X High Wate X Saturation Water Ma Sediment Drift Depo Algal Mat	ches): ay loam (ThrA) is ra GY rology Indicators: ators (minimum of of Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) posits (B3) or Crust (B4)	ited as a h	ydric soil. ired; check all that i Water-Stai Aquatic Fa Aquatic Fa True Aqua Hydrogen Oxidized R Presence o Recent Iro	apply) ined Lea auna (B1 tic Plant: Sulfide C thizosph of Reduc n Reduc	ves (B9) 3) s (B14) Ddor (C1) eres on L ced Iron (tion in Ti) Living Ro C4) Iled Soil:	Hydric Soil Pre Second	sent? ndary Indicators (r surface Soil Crack Drainage Patterns Dry-Season Water Crayfish Burrows (r Saturation Visible of Stunted or Stresse Geomorphic Positio	Yes X minimum of tw s (B6) (B10) Table (C2) C8) on Aerial Imag d Plants (D1) on (D2)	No
Type: Depth (inc Remarks: Treaty silty cla Treaty silty cla HYDROLOO Wetland Hyd Primary Indica X Surface V X High Wate X Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo	ches): ay loam (ThrA) is ra GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) rrks (B1) Deposits (B2) osits (B3) or Crust (B4) osits (B5)	ited as a h	ydric soil. <u>ired; check all that a</u> Water-Stai Aquatic Fa Aquatic Fa True Aqua Hydrogen Oxidized R Presence of Recent Iro Thin Muck	apply) ined Lea auna (B1 tic Plant Sulfide C thizosph of Reduc n Reduc Sulface	ves (B9) 3) s (B14) Ddor (C1) eres on L ced Iron (tion in Ti . (C7)) Living Ro C4) Iled Soils	Hydric Soil Pre Second pots (C3) s (C6)	ndary Indicators (r andary Indicators (r auface Soil Cracks) Dry-Season Water Crayfish Burrows (r Gaturation Visible of Stunted or Stresse Geomorphic Positio (AC-Neutral Test (Yes X minimum of tw s (B6) (B10) Table (C2) C8) on Aerial Imag d Plants (D1) on (D2) D5)	No vo requi
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Type: Depth (inc Remarks: Treaty silty cla Treaty silty cla HYDROLOO Wetland Hyd Primary Indica X Surface V X High Water X Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo X Inundation Sparsely Field Observ Surface Water	Ches): ay loam (ThrA) is ra GY rology Indicators: ators (minimum of of Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) osits (B3) or Crust (B4) osits (B5) n Visible on Aerial I Vegetated Concave rations: er Present? Ye	magery (B Surface (I Surface (I Surface X	ydric soil. iired; check all that i Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized R Presence of Recent Iro Thin Muck 7) Gauge or V B8) Other (Exp	apply) ined Lea auna (B1 tic Plant: Sulfide C Nizosph of Reduc n Reduc Surface Vell Dat vlain in R Depth (i Depth (i	ves (B9) 3) s (B14) Ddor (C1) eres on I ced Iron (tion in Ti (C7) a (D9) remarks) nches):) Living Ro C4) Iled Soil:	Hydric Soil Pre Seco Sec	ndary Indicators (r Burface Soil Cracks Drainage Patterns Dry-Season Water Crayfish Burrows (f Baturation Visible of Stunted or Stresse Geomorphic Positio FAC-Neutral Test (Yes X minimum of tw s (B6) (B10) Table (C2) C8) on Aerial Imag d Plants (D1) on (D2) D5)	No
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Type: Depth (ind Remarks: Treaty silty cla Treaty silty cla HYDROLOO Wetland Hyd Primary Indica X Surface V X High Wate X Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo X Inundation Sparsely Field Observ Surface Wate Water Table F Saturation Pro (includes cap)	ches): ay loam (ThrA) is ra GY rology Indicators: ators (minimum of of Vater (A1) er Table (A2) n (A3) rrks (B1) Deposits (B2) osits (B3) or Crust (B4) osits (B5) n Visible on Aerial I Vegetated Concave rations: er Present? Ye esent? Ye esent? Ye	magery (B s X s X s X s X	ydric soil. iired; check all that i Water-Stai Aquatic Fa Aquatic Fa True Aqua Hydrogen Oxidized R Presence o Recent Iro Thin Muck 7) Gauge or N B8) Other (Exp No No No	apply) ined Lea auna (B1 tic Plant: Sulfide C tic Plant: Sulfide C tic Plant: Surface Vell Dat: Jain in R Depth (ii Depth (ii	ves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (tion in Ti (C7) a (D9) emarks) nches): nches):) _iving Rc (C4) Iled Soil: 	Hydric Soil Pre	sent? ndary Indicators (r Surface Soil Crack: Orainage Patterns Ory-Season Water Crayfish Burrows (r Saturation Visible of Saturation Visible of Saturation Visible of Saturatio	Yes X minimum of tw s (B6) (B10) Table (C2) C8) on Aerial Imag d Plants (D1) on (D2) D5) Yes X	No_ vo requi
Type: Depth (inc Remarks: Treaty silty cla Treaty silty cla HYDROLOO Wetland Hyd Primary Indica X Surface V X High Water X Saturation Water Ma Sediment Drift Depc Algal Mat Iron Depc X Inundation Sparsely Field Observ Surface Wate Water Table F Saturation Pre (includes capi Describe Rec	ches): ay loam (ThrA) is ra GY rology Indicators: ators (minimum of or Vater (A1) er Table (A2) n (A3) rrks (B1) Deposits (B2) osits (B3) or Crust (B4) osits (B5) n Visible on Aerial I Vegetated Concave ations: rr Present? Ye esent? Ye esent? Ye orded Data (stream	magery (B s X s X s X s X s X	ydric soil. iired; check all that i Water-Stai Aquatic Fa Aquatic Fa True Aqua Hydrogen Oxidized R Presence o Recent Iro Thin Muck 7) Gauge or V B8) Other (Exp No No No No No No	apply) ined Lea auna (B1 tic Plant Sulfide C thizosph of Reduc n Reduc Surface Well Dat Jain in R Depth (ii Depth (ii Depth (ii Depth (ii	ves (B9) 3) s (B14) Odor (C1) eres on I ced Iron (tion in Ti (C7) a (D9) emarks) nches): nches): nches):) Living Ro (C4) Iled Soil: 4 0 0	Hydric Soil Pre Second Second Second X Second X Second X Wetland Hydre Second tions) if available	sent? ndary Indicators (r surface Soil Cracks Drainage Patterns Dry-Season Water Crayfish Burrows (r Saturation Visible of Stunted or Stresse Geomorphic Position AC-Neutral Test (rology Present?	Yes X minimum of tw s (B6) (B10) Table (C2) C8) on Aerial Image d Plants (D1) on (D2) D5) Yes X	No
Type: Depth (inc Remarks: Treaty silty cla Treaty silty cla HYDROLOO Wetland Hyd Primary Indica X Surface V X High Water X Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo X Inundation Sparsely Field Observ Surface Wate Water Table F Saturation Pro (includes capi Describe Rec	Ches): ay loam (ThrA) is ra GY rology Indicators: ators (minimum of of Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) osits (B3) or Crust (B4) osits (B5) n Visible on Aerial I Vegetated Concave rations: er Present? Ye esent? Ye esent? Ye orded Data (stream	magery (B s X s X s X gauge, m	ydric soil. ired; check all that a Water-Stai Aquatic Fa True Aqua Hydrogen Oxidized R Presence o Recent Iro Thin Muck 7) Gauge or N B8) Other (Exp No No No No No No No No No No	apply) ined Lea auna (B1 tic Plant Sulfide C Anizosph of Reduc n Reduc Surface Well Dat blain in R Depth (ii Depth (ii Depth (ii Depth (ii Depth (ii Depth (ii Depth (ii	ves (B9) 3) s (B14) Ddor (C1) eres on I ced Iron (tion in Ti (C7) a (D9) remarks) (cemarks) nches): nches): nches):) Living Ro C4) Iled Soils 4 0 0	Hydric Soil Pre Second <	sent? ndary Indicators (r Surface Soil Cracks) Dry-Season Water Crayfish Burrows (r Saturation Visible of Saturation Visible of Seomorphic Position (AC-Neutral Test (r Prology Present?	Yes X minimum of tw s (B6) (B10) Table (C2) C8) on Aerial Imag d Plants (D1) on (D2) D5) Yes X	No_ vo requ jery (CS

Project/Site: Parks	at Decatur	ſ		City/County:	Camby/Maric	วท		Sampling Date:	3/24/21	
Applicant/Owner:	Chris M	cKinney/D.R. Horton				State:	IN	Sampling Point:	27	
Investigator(s): Johr	n Dixon, M	latt Buck		Section, Towr	ship, Range:	S22 T1	4N R2E			
Landform (hillside, f	terrace, et	c.): Swale		Loca	al relief (conca	ve, conve	x, none):	Linear		
Slope (%): 2	Lat: <u>39</u>).63702°N		Long: 086.:	28852°W			Datum: WGS 84		
Soil Map Unit Name	e: Treaty s	ilty clay loam (ThrA), (J-2 percent slopes.			N	WI class	ification:		
Are climatic / hydrol	logic cond [;]	itions on the site typica	al for this time of yea	ar? Yes	s <u>X</u> N(0	(lf no, ex	<plain in="" remarks.)<="" td=""><td></td><td></td></plain>		
Are Vegetation	, Soil	, or Hydrology	significantly distu	urbed? Are "	Normal Circun	nstances"	present?	? Yes <u>X</u> Nr	o	
Are Vegetation	, Soil	, or Hydrology	naturally problem	natic? (If ne	eded, explain	any answ	/ers in Re	emarks.)		
SUMMARY OF	FINDIN	GS – Attach site	map showing	sampling r	point locati	ons, tra	ansect	s, important fea	itures, et	c.
						-	-			

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

This appears to be an emergent/scrub weltand (Wetland I), approximately 0.33 +/- acres in size.

VEGETATION – Use scientific names of plants.

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
1. Salix alba	30	Yes	FACW	Number of Dominant Species That
2. Cornus amomum	10	Yes	FACW	Are OBL, FACW, or FAC: 6 (A)
3				Total Number of Dominant Species
4				Across All Strata: 6 (B)
5				Percent of Dominant Species That
	40	=Total Cover		Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
Sapling/Shrub Stratum (Plot size: 15')				
1. Salix alba	25	Yes	FACW	Prevalence Index worksheet:
2. Cornus amomum	15	Yes	FACW	Total % Cover of: Multiply by:
3.				OBL species 105 x 1 = 105
4.				FACW species 120 x 2 = 240
5.				FAC species 0 x 3 = 0
	40	=Total Cover		FACU species 0 x 4 = 0
Herb Stratum (Plot size: 5')				UPL species 0 x 5 = 0
1. Typha latifolia	80	Yes	OBL	Column Totals: 225 (A) 345 (B)
2. Solidago gigantea	20	No	FACW	Prevalence Index = $B/A = 1.53$
3. Nasturtium officinale	15	No	OBL	
4. Epilobium hirsutum	10	No	FACW	Hydrophytic Vegetation Indicators:
5. Impatiens capensis	10	No	FACW	1 - Rapid Test for Hydrophytic Vegetation
6.				X 2 - Dominance Test is >50%
7.				X 3 - Prevalence Index is ≤3.0 ¹
8.				4 - Morphological Adaptations ¹ (Provide supporting
9.				data in Remarks or on a separate sheet)
10.				Problematic Hydrophytic Vegetation ¹ (Explain)
	135	=Total Cover		¹ Indicators of bydric soil and wetland bydrology must
Woody Vine Stratum (Plot size: 30'))			be present, unless disturbed or problematic.
1. Rosa palustris	10	Yes	OBL	Hydrophytic
2.				Vegetation
	10	=Total Cover		Present? Yes X No
Demorties (Include abote numbers berg er en e concr	oto oboot)			

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

SOIL

Depth	IVIALITX		Reuc	ix i eatui	00					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Ren	narks
0-16	10YR 2/1	100					Loamy/Clay	rey		
<u> </u>										
¹ Type: C=Co	ncentration, D=Dep	oletion, RM=	Reduced Matrix, N	MS=Mas	ked Sand	Grains.	² Lc	cation: PL=	Pore Lining, N	M=Matrix.
Hydric Soil Ir	ndicators:				· (0.0)		Inc	licators for	Problematic I	Hydric Soils':
Histosol (A	41) 		Sandy Gle	eyed Mat	rix (S4)			Coast Prai	rie Redox (A1t) (F10)
HISTIC EPI	pedon (A2)		Sandy Re	dox (55) Astrix (86				Iron-Manga	anese Masses	(F12)
	IIC (A3)		Stripped N	atrix (Se	5)			Ked Paren	t Material (F21)
Hydrogen Stratifiad			X Dark Surra	ace (57)	arol (E 1)			_ Very Shall	ow Dark Surra	
	Layers (Α3) k (Δ10)			iuky iviine avod Mot	triv (F2)				an n remark	.3)
	Relow Dark Surfac	ρ (Δ11)		Matriv (E	un∧ (⊏∠) 3)					
Thick Dar	k Surface (A12)	- (/ () /)	Redox Da	rk Surfac	∽, ce (F6)		³ In	dicators of h	vdrophytic ver	etation and
Sandy Mu	icky Mineral (S1)		Depleted [Dark Sur	face (F7)			wetland hv	droloav must k	pe present.
5 cm Muc	ky Peat or Peat (S	3)	Redox De	pression	s (F8)			unless dist	urbed or proble	ematic.
Restrictive L	aver (if observed)	•			、 ,					
	ayor (ii obcorroa)	•								
Type:										
Type: Depth (inc Remarks: Treaty silty cla	ches): ay loam (ThrA) is r	ated as a hy	vdric soil.				Hydric Soil P	resent?	Yes	<u>X</u> No
Type: Depth (inc Remarks: Treaty silty cla	ches): ay loam (ThrA) is r	ated as a hy	/dric soil.				Hydric Soil P	resent?	Yes	<u>X</u> No
Type: Depth (inc Remarks: Treaty silty cla	ches): ay loam (ThrA) is r GY	ated as a hy	/dric soil.				Hydric Soil P	resent?	Yes	<u>X</u> No
Type: Depth (inc Remarks: Treaty silty cla HYDROLO Wetland Hyd	ches): ay loam (ThrA) is r GY rology Indicators	ated as a hy	vdric soil.				Hydric Soil P	resent?	Yes	<u>X</u> No
Type: Depth (inc Remarks: Treaty silty cla HYDROLOO Wetland Hyd Primary Indica	ches): ay loam (ThrA) is r GY rology Indicators ators (minimum of	ated as a hy : : one is requi	red; check all that	apply)			Hydric Soil P	resent?	Yes	X No
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Photo 1. Looking east near Sampling Point no. 1.



Photos 2. Looking southeast near Sampling Point no. 2.



Figure 3. Looking southwest along Channel Unit 2.



Photo 4. Looking east towards Wetland A.



Photo 5. Looking west from Wetland B.



Photo 6. Looking east from the floodplain along Channel Unit 1.



Photo 7. Looking west along the floodplain near Sampling Point no. 13.



Photo 8. Looking west towards Wetland E.



Photo 9. Looking west towards Wetland J.



Photo 10. Matt Buck shown flagging the southern boundary of Wetland J.



Photo 11. Looking west along Channel Unit 7 from Wetland J.



Photo 12. Matt Buck shown standing near the eastern boundary of Wetland I.



Photo 13. Looking southeast from Wetland K.



Phot 14. Looking east at the stormwater drainage outlet that Wetland K drains to.