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| |  |  | | --- | --- | | P1C1T1#yIS1 | **State Regulated Wetland Class Determination Worksheet**  State Form 57155 (R2 / 3-25)  INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Agent First Name: | Agent Last Name: | | Agent Affiliation *(Company Name)*: | |
| Phone Number: | | Email Address: | | |
| Project Name: | | Wetland ID *(Per the Wetland Delineation)*: | | Wetland Size *(Acres)*: |
| Project Description (If Applicable): | | | | |

*INSTRUCTIONS*

*1. Read all questions and instructions thoroughly before filling out this form.*

*2. Complete this form when conducting wetland delineations. At least one form should be completed for each wetland on-site. Multiple forms are required for wetlands that have zones of different classifications.*

*3. Submit all completed forms with your wetland delineation and Approved Jurisdictional Determination or official U.S. Army Corps of Engineers correspondence when applying for Waters of the State Determinations or State Regulated Wetland Permits.*

*4. Please attach any additional comments, justifications, and/or supporting documentation related to this class determination as a separate attachment appended to this form.*

*5. Additional instructions and guidance for completing this form can be found at the following website:* [*https://www.in.gov/idem/wetlands/files/state\_regulated\_guidance\_class\_determination.pdf*](https://www.in.gov/idem/wetlands/files/state_regulated_guidance_class_determination.pdf)

*In addition, the Ohio EPA Rapid Assessment Method manual at the following website may be referenced for help completing this form, except as superseded by the instructions on this form, the IDEM worksheet guidance, or additional information provided by IDEM:*

[*https://epa.ohio.gov/static/Portals/35/401/ORAM%20Manual%205.0.pdf*](https://epa.ohio.gov/static/Portals/35/401/ORAM%20Manual%205.0.pdf)

*6. Completed forms and materials or questions regarding this form may be submitted to appropriate program staff which can be found at the following website: https://www.in.gov/idem/wetland/contact*

**Please complete ALL questions and assessments to complete the tables below.**

**Table 1:**

|  |  |  |
| --- | --- | --- |
| **Question (2) is YES** | **Moderate Habitat or Hydrology or Both**  Question (4) and/or (5) are YES | **Neither Moderate Habitat nor Hydrology**  Both Question (4) and (5) are NO |
| **Undisturbed or Minimally Disturbed**  Question (3) is YES | **Class III** | **Class II** |
| **More than Minimally Disturbed**  Question (3) is NO | **Class II** | **Class II** |

**Table 2:**

|  |  |  |
| --- | --- | --- |
| **Question (2) is NO** | **Moderate Habitat or Hydrology or Both**  Question (4) and/or (5) are YES | **Neither Moderate Habitat nor Hydrology**  Both Question (4) and (5) are NO |
| **Undisturbed or Minimally Disturbed**  Question (3) is YES | **Class II** | **Class I** |
| **More than Minimally Disturbed**  Question (3) is NO | **Class II** | **Class I** |

**Select the State Regulated Wetland Classification based on the tables above: ⬜ Class I ⬜ Class II ⬜ Class III**

**Rare or Ecologically Important Wetlands:**

(1) Is the wetland a listed rare or ecologically important type under IC 13-11-2-25.8(3)(A)? ⬜ Yes ⬜ No

*If Yes, please indicate type:*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ⬜ Acid Bog  ⬜ Acid Seep | ⬜ Fen  ⬜ Panne | ⬜ Circumneutral Seep  ⬜ Cypress Swamp | ⬜ Muck Flat  ⬜ Sand Flat | ⬜ Dune and Swale  ⬜ Forest Fen | ⬜ Sinkhole Pond  ⬜ Sinkhole Swamp |

**If Yes, the Wetland is Class III. This form is now complete.**

**If No, proceed to Question (2).**

(2) Is the wetland a listed rare or ecologically important type under IC 13-11-2-25.8(3)(B)? ⬜ Yes ⬜ No

*If Yes, please indicate type:*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ⬜ Shrub Swamp | ⬜ Sedge Meadow | ⬜ Forested Swamp | ⬜ Wet Floodplain Forest | ⬜ Wet Prairie | ⬜ Wet Sand Prairie |

**If Yes OR No, proceed to Question (3).**

**Disturbance:**

(3) Is the wetland undisturbed or minimally disturbed? *(See below)* ⬜ Yes ⬜ No

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| (3.1) Substrate Disturbance (Score = \_\_\_\_\_\_\_\_\_\_ )  *Select one OR select two and calculate the average.* | | | | | | |
| ⬜ None or non-apparent (4) | | ⬜ Recovered (3) | | ⬜ Recovering (2) | ⬜ Recent or no recovery (1) | |
| (3.2) Habitat Development (Score = \_\_\_\_\_\_\_\_\_\_ )  *Select only one.* | | | | | | |
| ⬜ Excellent (7)  ⬜ Very good (6) | | ⬜ Good (5)  ⬜ Moderately good (4) | | ⬜ Fair (3)  ⬜ Poor to fair (2) | ⬜ Poor (1) | |
| (3.3) Habitat Alteration (Score = \_\_\_\_\_\_\_\_\_\_ )  *Select one OR select two and calculate the average.* | | | | | | |
| ⬜ None or non-apparent (9) | | ⬜ Recovered (6) | | ⬜ Recovering (3) | ⬜ Recent or no recovery (1) | |
| *Mark all habitat alterations observed below:* | | | | | |  |
| ⬜ Mowing  ⬜ Grazing  ⬜ Clearcutting | ⬜ Selective cutting  ⬜ Woody debris removal  ⬜ Toxic pollutants | | ⬜ Shrub/sapling removal  ⬜ Herbaceous/aquatic bed removal  ⬜ Sedimentation | | | ⬜ Dredging  ⬜ Farming  ⬜ Nutrient Enrichment |
| (3.4) Add scores from above: (3.1) + (3.2) + (3.3) = \_\_\_\_\_\_\_\_\_\_  *If total score is 9 or greater, check Yes to Question (3)*  *If total score is 8 or less, check No to Question (3) – Provide additional photos, narrative, etc., as necessary to justify score.*  **If Yes OR No, proceed to Question (4) AND Question (5).** | | | | | | |

**Wetland Habitat Functional Assessment:**

(4) Does the wetland support moderate wildlife or aquatic habitat? (*See below)* ⬜ Yes ⬜ No

|  |  |  |  |
| --- | --- | --- | --- |
| (4.1) Wetland Vegetation Communities (Score = \_\_\_\_\_\_\_\_\_\_ )  *Score all present with 0 to 3 scale, using parameters to the right.*  ⬜ Aquatic bed  ⬜ Emergent  ⬜ Shrub  ⬜ Forest  ⬜ Other *(Please indicate)*: \_\_\_\_\_\_\_\_\_\_ | **Vegetation Community Cover Scale (4.1a)** | | |
| 0 | Absent or comprises <0.1ha (0.2471 acres) contiguous area. | |
| 1 | Present and comprises a small part of wetland's vegetation and is of moderate quality. | |
| Present and comprises a significant part of wetland’s vegetation and is of low quality. | |
| 2 | Present and comprises a significant part of wetland's vegetation and is of moderate quality. | |
| Present and comprises a small part of wetland’s vegetation and is of high quality. | |
| 3 | Present and comprises a significant part of wetland's vegetation and is of high quality. | |
| (4.2) Horizontal (Plan View) Interspersion (Score = \_\_\_\_\_\_\_\_\_\_ )  *Select only one. Interspersion is the diversity of habitat by plant community variation.*  ⬜ High mosaic/patchwork (5)  ⬜ Moderately high (4)  ⬜ Moderate (3)  ⬜ Moderately low (2)  ⬜ Low (1)  ⬜ None – uniform (0) | **Narrative Description of Vegetation Quality (4.1b)** | | |
| Low | | Low species diversity and/or predominance of nonnative or disturbance-tolerant native species. |
| Moderate | | Native species are dominant component of the vegetation, although nonnative and/or disturbance tolerant native species can also be present. Species diversity is moderate to moderately high. |
| High | | A predominance of native species, with nonnative species and/or disturbance-tolerant native species absent or virtually absent. High species diversity. |
| (4.3) Coverage of Invasive Plants (Score = \_\_\_\_\_\_\_\_\_\_ )  *Select only one, using total areal coverage of any combination of species listed on the Indiana Invasive Species Council List:*  [*https://entm.purdue.edu/iisc/invasiveplants.html*](https://entm.purdue.edu/iisc/invasiveplants.html)  ⬜ Extensive >75% cover (-5)  ⬜ Moderate 25-75% cover (-3)  ⬜ Sparse 5-25% cover (-1)  ⬜ Nearly absent <5% cover (0)  ⬜ Absent cover (1) | **Interspersion (4.2)** | | |
|  | | |
| (4.4) Microtopography (Score = \_\_\_\_\_\_\_\_\_\_ )  *Score all present with 0 to 3 scale, using parameters to the right.*  ⬜ Vegetated hummocks/tussocks  ⬜ Coarse woody debris >15cm (6in)  ⬜ Standing dead >25cm (10in) diameter at breast height  ⬜ Amphibian breeding pools | **Microtopography Cover Scale (4.4)** | | |
| 0 | Absent | |
| 1 | Present in very small amounts or, if more common, of marginal quality. | |
| 2 | Present in moderate amounts but not of the highest quality, or in small amounts of the highest quality. | |
| 3 | Present in moderate or greater amounts and of the highest quality | |
| (4.5) Add scores from above: (4.1) + (4.2) + (4.3) + (4.4) = \_\_\_\_\_\_\_\_\_\_  *If total score is 5 or greater, check Yes to Question (4)*  *If total score is 4 or less, check No to Question (4) - Provide additional photos, narrative, etc., as necessary to justify score.*  **If Yes OR No, proceed to Question (5).** | | | |

**Wetland Hydrology Functional Assessment:**

(5) Does the wetland support moderate hydrological function? *(See below)* ⬜ Yes ⬜ No

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| (5.1) Water Storage Capacity (Score = \_\_\_\_\_\_\_\_\_\_ )  *Select only one.* | | | | | | | |
| ⬜ Wetland is ≥50 acres (7)  ⬜ Wetland is 25 to <50 acres (6) | ⬜ Wetland is 10 to <25 acres (5)  ⬜ Wetland is 3 to <10 acres (4) | | | ⬜ Wetland is 1 to <3 acres (3)  ⬜ Wetland is 0.3 to <1 acres (2) | | | ⬜ Wetland is 0.1 to <0.3 acre (1)  ⬜ Wetland is <0.1 acre (0) |
| (5.2) Sources of Water (Score = \_\_\_\_\_\_\_\_\_\_ )  *Select all that apply.* | | | | | | | |
| ⬜ High pH groundwater (5)  ⬜ Other groundwater (3) | ⬜ Perennial surface water (lake or stream) (5)  ⬜ Seasonal/intermittent surface water (3) | | | | | ⬜ Precipitation (1) | |
| (5.3) Maximum Water Depth (Score = \_\_\_\_\_\_\_\_\_\_ )  *Select only one.* | | | | | | | |
| ⬜ >0.7m (>27.6in) (3) | ⬜ 0.4–0.7m (15.7–27.6in) (2) | | | | ⬜ <0.4m (<15.7in) (1) | | |
| (5.4) Duration of Inundation/Saturation (Score = \_\_\_\_\_\_\_\_\_\_ )  *Select one or two.* | | | | | | | |
| ⬜ Semi- to permanently inundated/saturated (4)  ⬜ Regularly inundated/saturated (3) | | ⬜ Seasonally inundated (2)  ⬜ Seasonally saturated in upper 30cm (12in) (1) | | | | | |
| (5.5) Connectivity (Score = \_\_\_\_\_\_\_\_\_\_ )  *Select all that apply.* | | | | | | | |
| ⬜ Wetland position in the watershed is 1st order (3)  ⬜ Wetland position in the watershed is 2nd or 3rd order (2)  ⬜ Wetland position in the watershed is 4th or 5th order and the substrate is sand or silt (1)  ⬜ Wetland is located within a groundwater Wellhead Protection Area (2)  https://www.in.gov/idem/cleanwater/information-about/groundwater-monitoring-and-source-water-protection/wellhead-protection-program/source-water-proximity-determination-tool/  ⬜ Wetland is located within a drinking water Source Water Susceptibility Area (2)  ⬜ Wetland is located within a drinking water Source Water Assessment Area (2) | | | | | | | |
| ⬜ 100-year floodplain (1)  ⬜ Between stream/lake and other human use (1) | | | ⬜ Part of wetland/upland, e.g. forest, complex (1)  ⬜ Part of riparian or upland corridor (1) | | | | |
| (5.6) Other Signs of Moderate Hydrologic Function (Score = \_\_\_\_\_\_\_\_\_\_ )  *Select all that apply.*  ⬜ Wetland possess strong hydric soil indicators – likely needs to be observed from datapoint near the center of a wetland  (gleyed matrix or chroma ≤1) (1)  ⬜ Dominant vegetation in wetland is highly adapted to prolonged inundation (OBL dominance) (1)  ⬜ Wetland substrate is sand or silt, indicating higher hydraulic conductivity (1)  ⬜ Wetland is located within a highly developed landscape (>75% impervious surfaces in ½ mile radius) (1)  ⬜ Parcel with wetland is bordered by development, roads, or impervious surfaces (1) | | | | | | | |

(5.7) Add scores from above: (5.1) + (5.2) + (5.3) + (5.4) + (5.5) + (5.6) = \_\_\_\_\_\_\_\_\_\_

*If (5.7) is 10 or greater, check Yes to Question (5)*

*If (5.7) is 9 or less, check No to Question (5) - Provide additional photos, narrative, etc., as necessary to justify score.*

**If Yes OR No, proceed to tables (Page 1 of 4).**