APPROVED JURISDICTIONAL DETERMINATION FORM
U.S. Army Corps of Engineers

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): 14-May-2012

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: Chicago District, LRC-2011-000695-JD1

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State: IL - Illinois
County/parish/borough: Will
City: 41.45603
Lat: -87.75727
Long:

Universal Transverse Mercator

Folder UTMI List
UTM list determined by folder location
• NAD83 / UTM zone 16N

Waters UTM List
UTM list determined by waters location
• NAD83 / UTM zone 16N

Name of nearest waterbody: East Branch of Hickory Creek
Name of nearest Traditional Navigable Water (TNW): Des Plaines
Name of watershed or Hydrologic Unit Code (HUC): Des Plaines / Kankakee

D. REVIEW PERFORMED FOR SITE EVALUATION:

Office Determination Date: 30-Apr-2012
Field Determination Date(s):

SECTION II: SUMMARY OF FINDINGS

A. RHA SECTION 10 DETERMINATION OF JURISDICTION

There "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area.

Waters subject to the ebb and flow of the tide.

Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce.

Explain:

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There "waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area.

1. Waters of the U.S.

a. Indicate presence of waters of U.S. in review area:

<table>
<thead>
<tr>
<th>Water Name</th>
<th>Water Type(s) Present</th>
</tr>
</thead>
<tbody>
<tr>
<td>LRC-2011-695 Site 11</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
</tr>
<tr>
<td>LRC-2011-695 Site 12</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
</tr>
<tr>
<td>LRC-2011-695 Site 13</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
</tr>
<tr>
<td>LRC-2011-695 Site 14</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
</tr>
<tr>
<td>LRC-2011-695 Site 15</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
</tr>
<tr>
<td>LRC-2011-695 Site 19</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
</tr>
<tr>
<td>LRC-2011-695 Site 2</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LRC-2011-695 Site 22</th>
<th>Isolated (interstate or intrastate) waters, including isolated wetlands</th>
</tr>
</thead>
<tbody>
<tr>
<td>LRC-2011-695 Site 25</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
</tr>
<tr>
<td>LRC-2011-695 Site 3</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
</tr>
<tr>
<td>LRC-2011-695 Site 4</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
</tr>
<tr>
<td>LRC-2011-695 Site 5</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
</tr>
<tr>
<td>LRC-2011-695 Site 6</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
</tr>
<tr>
<td>LRC-2011-695 Site 7</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
</tr>
<tr>
<td>LRC-2011-695 Site 8</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
</tr>
<tr>
<td>LRC-2011-695 Sites 23-24, 26-34</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
</tr>
<tr>
<td>LRC-2011-695 Site 35</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
</tr>
<tr>
<td>LRC-2011-695 Site 36</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
</tr>
</tbody>
</table>

b. Identify (estimate) size of waters of the U.S. in the review area:

Area: (m²)
Linear: (m)

c. Limits (boundaries) of jurisdiction:

based on:
OHWM Elevation: (if known)

2. Non-regulated waters/wetlands:³

Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional. Explain:

Wetland 2: Depression along Stukenkel
Wetland 3, 4, 5: Depressions along Harlem
Wetland 6: Swale wetland north of Stukenkel, no defined drainage to tributary to north
Wetland 7: Swale wetland south of Stukenkel, drains to Wetland 8
Wetland 8: Isolated depression. North drainage does not occur based on topography. Watershed divide located south of wetland.
Wetland 11: Isolated depression north of Stukenkel
Wetland 12: Isolated depression north of Stukenkel
Wetlands 13 and 14: Isolated depressions north of Stukenkel and west of I-57
Wetland 15: Isolated depression south of Stukenkel, not drainage to Forked Creek
Wetland 19: Isolated depression east of Central near East Branch of Hickory Creek, no nexus with creek
Wetland 22: Isolated along I-57, drains north to other isolated wetlands
Wetlands 23 and 24: Part of wetland/upland mosaic with drainage divide separating wetlands from the east branch of Hickory Creek
Wetland 25: Isolated wetland south of Stukenkel, does not drain north, watershed divide to south.
Wetlands 26-34: Part of wetland/upland mosaic with drainage divide separating wetlands from the east branch of Hickory Creek
Site 35: Isolated pond near sites 3, 4, and 5.
Site 36: Drainage ditch conveys water west along south side of Stukenkel Road. No connection to jurisdictional areas was identified.

SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs

1. TNW
Not Applicable.

2. Wetland Adjacent to TNW
Not Applicable.

B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):

1. Characteristics of non-TNWs that flow directly or indirectly into TNW

(i) General Area Conditions:
Watershed size:
Drainage area:
Average annual rainfall: inches
Average annual snowfall: inches

(ii) Physical Characteristics
(a) Relationship with TNW:
  Tributary flows directly into TNW.
  Tributary flows through [ ] tributaries before entering TNW.
  Number of tributaries

Project waters are river miles from TNW.
Project waters are river miles from RPW.
Project Waters are aerial (straight) miles from TNW.
Project waters are aerial (straight) miles from RPW.

  Project waters cross or serve as state boundaries.

Explain:
Identify flow route to TNW.5

Tributary Stream Order, if known:
Not Applicable.

(b) General Tributary Characteristics:

  Tributary is:
  Not Applicable.

  Tributary properties with respect to top of bank (estimate):
  Not Applicable.

Primary tributary substrate composition:
Not Applicable.

Tributary (conditions, stability, presence, geometry, gradient):
Not Applicable.

(c) Flow:
Not Applicable.

Surface Flow is:
Not Applicable.

Subsurface Flow:
Not Applicable.

Tributary has:
Not Applicable.

If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction:

High Tide Line indicated by:
Not Applicable.

Mean High Water Mark indicated by:
Not Applicable.

(iii) Chemical Characteristics:
Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).
Not Applicable.

(iv) Biological Characteristics. Channel supports:
Not Applicable.

2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW
(i) Physical Characteristics:
(a) General Wetland Characteristics:
  Properties:
  Not Applicable.

(b) General Flow Relationship with Non-TNW:
  Flow is:
  Not Applicable.
  Surface flow is:
  Not Applicable.
  Subsurface flow:
  Not Applicable.

(c) Wetland Adjacency Determination with Non-TNW:
  Not Applicable.

(d) Proximity (Relationship) to TNW:
  Not Applicable.

(ii) Chemical Characteristics:
  Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).
  Not Applicable.

(iii) Biological Characteristics. Wetland supports:
  Not Applicable.

3. Characteristics of all wetlands adjacent to the tributary (if any):
   All wetlands being considered in the cumulative analysis:
   Not Applicable.

Summarize overall biological, chemical and physical functions being performed:
   Not Applicable.

C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g. between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Significant Nexus: Not Applicable

D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE:

1. TNWs and Adjacent Wetlands:
   Not Applicable.

2. RPWs that flow directly or indirectly into TNWs:
   Not Applicable.

Provide estimates for jurisdictional waters in the review area:
   Not Applicable.

3. Non-RPWs that flow directly or indirectly into TNWs:

https://orm.usace.army.mil/orm2/?p=106:34:1324820010688826::NO:: 5/24/2012
Not Applicable.

Provide estimates for jurisdictional waters in the review area:
Not Applicable.

4. Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.
Not Applicable.

Provide acreage estimates for jurisdictional wetlands in the review area:
Not Applicable.

5. Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs:
Not Applicable.

Provide acreage estimates for jurisdictional wetlands in the review area:
Not Applicable.

6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs:
Not Applicable.

Provide estimates for jurisdictional wetlands in the review area:
Not Applicable.

7. Impoundments of jurisdictional waters.9
Not Applicable.

E. ISOLATED [INTERSTATE OR INTRA-STATE] WATERS INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS;13

<table>
<thead>
<tr>
<th>Waters Name</th>
<th>Interstate/Foreign Travelers</th>
<th>Fish/Shellfish Commerce</th>
<th>Industrial Commerce</th>
<th>Interstate Isolated</th>
<th>Explain</th>
<th>Other Factors</th>
<th>Explain</th>
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<tr>
<td>LRC-2011-695 Site 11</td>
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<td>LRC-2011-695 Sites 23-24, 26-34</td>
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<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Identify water body and summarize rationale supporting determination:

<table>
<thead>
<tr>
<th>Water Name</th>
<th>Adjacent To TNW Rationale</th>
<th>TNW Rationale</th>
</tr>
</thead>
<tbody>
<tr>
<td>LRC-2011-695 Site 11</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>LRC-2011-695 Site 12</td>
<td>-</td>
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<tr>
<td>LRC-2011-695 Site 13</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>LRC-2011-695 Site 14</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>LRC-2011-695 Site 15</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
Provide estimates for jurisdictional waters in the review area:

<table>
<thead>
<tr>
<th>Water Name</th>
<th>Type</th>
<th>Size (Linear) (m)</th>
<th>Size (Area) (m²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LRC-2011-695 Site 11</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td></td>
<td>11614.47672</td>
</tr>
<tr>
<td>LRC-2011-695 Site 12</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td></td>
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<tr>
<td>LRC-2011-695 Site 13</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
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<td>892.214608</td>
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<tr>
<td>LRC-2011-695 Site 14</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
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<td>LRC-2011-695 Site 15</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
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<td>1723.960656</td>
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<tr>
<td>LRC-2011-695 Site 19</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
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<tr>
<td>LRC-2011-695 Site 2</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
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<tr>
<td>LRC-2011-695 Site 22</td>
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<td>LRC-2011-695 Site 25</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
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<td>5260.9128</td>
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<tr>
<td>LRC-2011-695 Site 3</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
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<td>497.763288</td>
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<tr>
<td>LRC-2011-695 Site 4</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
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<td>1052.18256</td>
</tr>
<tr>
<td>LRC-2011-695 Site 5</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
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<tr>
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<td>LRC-2011-695 Site 8</td>
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<tr>
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<td><strong>Total:</strong></td>
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<td><strong>0</strong></td>
<td><strong>71884.303128</strong></td>
</tr>
</tbody>
</table>

**F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS**

If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements:

- Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce.
Prior to the Jan 2001 Supreme Court decision in "SWANCC," the review area would have been regulated based solely on the "Migratory Bird Rule" (MBR):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction (Explain):

Other (Explain):

Provide acreage estimates for non-jurisdictional waters in the review area, where the sole potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment:

<table>
<thead>
<tr>
<th>Water Name</th>
<th>Type</th>
<th>Size (Linear) (m)</th>
<th>Size (Area) (m²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LRC-2011-696 Site 11</td>
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<tr>
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<td>3318.42192</td>
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<tr>
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<tr>
<td>LRC-2011-695 Site 4</td>
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</tr>
<tr>
<td>LRC-2011-695 Sites 23-24, 26-34</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td>-</td>
<td>13249.406544</td>
</tr>
<tr>
<td>LRC-2011-695 Site 35</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td>-</td>
<td>404.6856</td>
</tr>
<tr>
<td>LRC-2011-695 Site 36</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td>-</td>
<td>404.6856</td>
</tr>
<tr>
<td>Total:</td>
<td></td>
<td>0</td>
<td>71884.303128</td>
</tr>
</tbody>
</table>

Provide acreage estimates for non-jurisdictional waters in the review area, that do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Not Applicable.

SECTION IV: DATA SOURCES.

A. SUPPORTING DATA. Data reviewed for JD
(listed items shall be included in case file and, where checked and requested, appropriately reference below):

<table>
<thead>
<tr>
<th>Data Reviewed</th>
<th>Source Label</th>
<th>Source Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>--Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>--Data sheets prepared/submitted by or on behalf of the applicant/consultant</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
### B. ADDITIONAL COMMENTS TO SUPPORT JD:

Not Applicable.

---

1. Boxes checked below shall be supported by completing the appropriate sections in Section III below.
2. For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months).
3. Supporting documentation is presented in Section III F.
4. Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.
5. Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.
6. A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.
7. ibid.
8. See Footnote #3
9. To complete the analysis refer to the key in Section III D.6 of the Instructional Guidebook.
10. Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA Memorandum Regarding CWA Act Jurisdiction Following Rapaport.
This form should be completed by following the instructions provided in Section IV of the JD Form Instruction Guidebook.

SECTION I: BACKGROUND INFORMATION
A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): 6/22/2012

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: Chicago District, LRC-2006-820

C. PROJECT LOCATION AND BACKGROUND INFORMATION: North of Church Road, West of Route 20
   State: Illinois  County/parish/borough: McHenry  City: Coral Township
   Center coordinates of site (lat/long in degree decimal format): Lat: 42.17611°N, Long: -88.5347°W.
   Universal Transverse Mercator: NAD 83
   Name of nearest waterbody: South Branch Kishwaukee
   Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: Rock River
   Name of watershed or Hydrologic Unit Code (HUC): Kishwaukee (07090006)
   [ ] Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.
   [ ] Check if other sites (e.g., offsite mitigation sites, disposal sites, etc...) are associated with this action and are recorded on a different JD form.

D. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):
   [x] Office (Desk) Determination. Date: 6/22/2012
   [x] Field Determination. Date(s): 8/8/2006

SECTION II: SUMMARY OF FINDINGS
A. RHA SECTION 10 DETERMINATION OF JURISDICTION.

There Are no “navigable waters of the U.S.” within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area. [Required]

   [ ] Waters subject to the ebb and flow of the tide.
   [ ] Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce. 

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There Are no “waters of the U.S.” within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area. [Required]

1. Waters of the U.S.
   a. Indicate presence of waters of U.S. in review area (check all that apply): 1
      [ ] TNWs, including territorial seas
      [ ] Wetlands adjacent to TNWs
      [ ] Relatively permanent waters* (RPWs) that flow directly or indirectly into TNWs
      [ ] Non-RPWs that flow directly or indirectly into TNWs
      [ ] Wetlands directly abutting RPWs that flow directly or indirectly into TNWs
      [ ] Wetlands adjacent to but not directly abutting RPWs that flow directly or indirectly into TNWs
      [ ] Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs
      [ ] Impoundments of jurisdictional waters
      [ ] Isolated (interstate or intrastate) waters, including isolated wetlands

   b. Identify (estimate) size of waters of the U.S. in the review area:
      Non-wetland waters: linear feet: width (ft) and/or acres.
      Wetlands: acres.

   c. Limits (boundaries) of jurisdiction based on: Pick List
      Elevation of established OHWM (if known): 

2. Non-regulated waters/wetlands (check if applicable): 3
   [x] Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional.
      Explain: Eight wetlands totalling 1.62 acres without a hydrologic connection to any rivers. WL1 (0.05 ac), WL4 (0.72 ac), WL5 (0.10 ac), WL6 (0.06 ac) and WL8 (0.07 ac) are all closed depressional features located entirely on the subject property. WL7 (0.11 ac) continues offsite and is part of a closed depression. WL2 (0.34 ac) and WL3 (0.17 ac) are connected by a drainage feature that does not connect to anything else.

---

1 Boxes checked below shall be supported by completing the appropriate sections in Section III below.
2 For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least “seasonally” (e.g., typically 3 months).
3 Supporting documentation is presented in Section III.F.
SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs

The agencies will assert jurisdiction over TNWs and wetlands adjacent to TNWs. If the aquatic resource is a TNW, complete Section III.A.1 and Section III.D.1. only; if the aquatic resource is a wetland adjacent to a TNW, complete Sections III.A.1 and 2 and Section III.D.1.; otherwise, see Section III.B below.

1. TNW
   Identify TNW:  Pick List


2. Wetland adjacent to TNW
   Summarize rationale supporting conclusion that wetland is "adjacent":

B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):

This section summarizes information regarding characteristics of the tributary and its adjacent wetlands, if any, and it helps determine whether or not the standards for jurisdiction established under Rapanos have been met.

The agencies will assert jurisdiction over non-navigable tributaries of TNWs where the tributaries are “relatively permanent waters” (RPWs), i.e. tributaries that typically flow year-round or have continuous flow at least seasonally (e.g., typically 3 months). A wetland that directly abuts an RPW is also jurisdictional. If the aquatic resource is not a TNW, but has year-round (perennial) flow, skip to Section III.D.2. If the aquatic resource is a wetland directly abutting a tributary with perennial flow, skip to Section III.D.4.

A wetland that is adjacent to but that does not directly abut an RPW requires a significant nexus evaluation. Corps districts and EPA regions will include in the record any available information that documents the existence of a significant nexus between a relatively permanent tributary that is not perennial (and its adjacent wetlands if any) and a traditional navigable water, even though a significant nexus finding is not required as a matter of law.

If the waterbody is not an RPW, or a wetland directly abutting an RPW, a JD will require additional data to determine if the waterbody has a significant nexus with a TNW. If the tributary has adjacent wetlands, the significant nexus evaluation must consider the tributary in combination with all of its adjacent wetlands. This significant nexus evaluation that combines, for analytical purposes, the tributary and all of its adjacent wetlands is used whether the review area identified in the JD request is the tributary, or its adjacent wetlands, or both. If the JD covers a tributary with adjacent wetlands, complete Section III.B.1 for the tributary, Section III.B.2 for any onsite wetlands, and Section III.B.3 for all wetlands adjacent to that tributary, both onsite and offsite. The determination whether a significant nexus exists is determined in Section III.C below.

1. Characteristics of non-TNWs that flow directly or indirectly into TNW

   (i) General Area Conditions:
      Watershed size:  Pick List
      Drainage area:  Pick List
      Average annual rainfall:  inches
      Average annual snowfall:  inches

   (ii) Physical Characteristics:
      (a) Relationship with TNW:
         □ Tributary flows directly into TNW.
         □ Tributary flows through Pick List tributaries before entering TNW.

         Project waters are Pick List river miles from TNW.
         Project waters are Pick List river miles from RPW.
         Project waters are Pick List aerial (straight) miles from TNW.
         Project waters are Pick List aerial (straight) miles from RPW.
         Project waters cross or serve as state boundaries. Explain:

         Identify flow route to TNW:
         Tributary stream order, if known:

---
4 Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.
5 Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.
(b) General Tributary Characteristics (check all that apply):

Tributary is:  
☐ Natural  
☐ Artificial (man-made). Explain:  
☐ Manipulated (man-altered). Explain:  

Tributary properties with respect to top of bank (estimate):
Average width:   feet  
Average depth:   feet  
Average side slopes:  Pick List.

Primary tributary substrate composition (check all that apply):
☐ Silts  ☐ Sands  ☐ Concrete  
☐ Cobbles  ☐ Gravel  ☐ Muck  
☐ Bedrock  ☐ Vegetation. Type/% cover:  
☐ Other. Explain:  

Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain:  
Presence of runnife/pool complexes. Explain:  
Tributary geometry:  Pick List  
Tributary gradient (approximate average slope):  

(c) Flow:
Tributary provides for:  Pick List  
Estimate average number of flow events in review area/year:  Pick List  
Describe flow regime:  
Other information on duration and volume:  
Surface flow is:  Pick List. Characteristics:  
Subsurface flow:  Pick List. Explain findings:  
☐ Eye (or other) test performed:  

Tributary has (check all that apply):
☐ Bed and banks  
☐ OHWM$^0$ (check all indicators that apply):
☐ clear, natural line impressed on the bank  ☐ the presence of liner and debris  
☐ changes in the character of soil  ☐ destruction of terrestrial vegetation  
☐ shelving  ☐ the presence of wrack line  
☐ vegetation matted down, bent, or absent  ☐ sediment sorting  
☐ leaf litter disturbed or washed away  ☐ scour  
☐ sediment deposition  ☐ multiple observed or predicted flow events  
☐ water staining  ☐ abrupt change in plant community  
☐ other (list):  
☐ Discontinuous OHWM.$^1$ Explain:  

If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply):
☐ High Tide Line indicated by:  ☐ Mean High Water Mark indicated by:  
☐ oil or scum line along shore objects  ☐ survey to available datum;  
☐ fine shell or debris deposits (foreshore)  ☐ physical markings;  
☐ physical markings/characteristics  ☐ vegetation lines/changes in vegetation types.  
☐ tidal gauges  
☐ other (list):  

(iii) Chemical Characteristics:
Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).
Explain:  
Identify specific pollutants, if known:  

---

$^0$A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody’s flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.

$^1$Ibid.
(iv) Biological Characteristics. Channel supports (check all that apply):
- Riparian corridor. Characteristics (type, average width):
- Wetland fringe. Characteristics:
- Habitat for:
  - Federally Listed species. Explain findings:
  - Fish/spawn areas. Explain findings:
  - Other environmentally-sensitive species. Explain findings:
  - Aquatic/wildlife diversity. Explain findings:

2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW

(i) Physical Characteristics:
   (a) General Wetland Characteristics:
      Properties:
      - Wetland size: acres
      - Wetland type. Explain:
      - Wetland quality. Explain:
      Project wetlands cross or serve as state boundaries. Explain:

   (b) General Flow Relationship with Non-TNW:
      Flow is: Pick List. Explain:
      Surface flow is: Pick List
      Characteristics:
      Subsurface flow: Pick List. Explain findings:
      - Dye (or other) test performed:

   (c) Wetland Adjacency Determination with Non-TNW:
      - Directly abutting
      - Not directly abutting
        - Discrete wetland hydrologic connection. Explain:
        - Ecological connection. Explain:
        - Separated by berm/barrier. Explain:

   (d) Proximity (Relationship) to TNW
      Project wetlands are Pick List river miles from TNW.
      Project waters are Pick List aerial (straight) miles from TNW.
      Flow is from: Pick List.
      Estimate approximate location of wetland as within the Pick List floodplain.

(ii) Chemical Characteristics:
      Characterize wetland system (e.g., water color is clear, brown, oil film on surface; water quality; general watershed characteristics; etc.). Explain:
      Identify specific pollutants, if known:

(iii) Biological Characteristics. Wetland supports (check all that apply):
- Riparian buffer. Characteristics (type, average width):
- Vegetation type/percent cover. Explain:
- Habitat for:
  - Federally Listed species. Explain findings:
  - Fish/spawn areas. Explain findings:
  - Other environmentally-sensitive species. Explain findings:
  - Aquatic/wildlife diversity. Explain findings:

3. Characteristics of all wetlands adjacent to the tributary (if any)
   All wetland(s) being considered in the cumulative analysis: Pick List
   Approximately ( ) acres in total are being considered in the cumulative analysis.
For each wetland, specify the following:

<table>
<thead>
<tr>
<th>Name/ID</th>
<th>Directly abuts? (Y/N)</th>
<th>Size (in acres)</th>
<th>Name/ID</th>
<th>Directly abuts? (Y/N)</th>
<th>Size (in acres)</th>
</tr>
</thead>
</table>

Summarize overall biological, chemical and physical functions being performed:

C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of the TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g. between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Draw connections between the features documented and the effects on the TNW, as identified in the Rapanos Guidance and discussed in the Instructional Guidebook. Factors to consider include, for example:

- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to carry pollutants or flood waters to TNWs, or to reduce the amount of pollutants or flood waters reaching a TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), provide habitat and lifecycle support functions for fish and other species, such as feeding, nesting, spawning, or rearing young for species that are present in the TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to transfer nutrients and organic carbon that support downstream foodwebs?
- Does the tributary, in combination with its adjacent wetlands (if any), have other relationships to the physical, chemical, or biological integrity of the TNW?

Note: the above list of considerations is not inclusive and other functions observed or known to occur should be documented below:

1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNWs. Explain findings of presence or absence of significant nexus below, based on the tributary itself, then go to Section III.D:

2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNWs. Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D:

3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D:

D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK ALL THAT APPLY):

1. TNWs and Adjacent Wetlands. Check all that apply and provide size estimates in review area:
   - [ ] TNWs: lineal feet width (ft), or; acres.
   - [ ] Wetlands adjacent to TNWs: acres.

2. RPWs that flow directly or indirectly into TNWs.
   - [ ] Tributaries of TNWs where tributaries typically flow year-round are jurisdictional. Provide data and rationale indicating that tributary is perennial;
   - [ ] Tributaries of TNW where tributaries have continuous flow “seasonally” (e.g., typically three months each year) are jurisdictional. Data supporting this conclusion is provided at Section III.B. Provide rationale indicating that tributary flows seasonally;

5
Provide estimates for jurisdictional waters in the review area (check all that apply):
- Tributary waters: linear feet width (ft).
- Other non-wetland waters: acres.
Identify type(s) of waters:

3. **Non-RPWs** that flow directly or indirectly into TNWs.
   - Waterbody that is not a TNW or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with a TNW is jurisdictional. Data supporting this conclusion is provided at Section III.C.
   - Provide estimates for jurisdictional waters within the review area (check all that apply):
     - Tributary waters: linear feet width (ft).
     - Other non-wetland waters: acres.
     Identify type(s) of waters:

4. **Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.**
   - Wetlands that do not directly abut an RPW, but within 300 feet or a much shorter distance, have a significant nexus with a TNW. Data supporting this conclusion is provided at Section III.C.
   - Provide acreage estimates for jurisdictional wetlands in the review area: acres.

5. **Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs.**
   - Wetlands that do not directly abut an RPW, but within 300 feet or a much shorter distance, have a significant nexus with a TNW. Data supporting this conclusion is provided at Section III.C.
   - Provide acreage estimates for jurisdictional wetlands in the review area: acres.

6. **Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.**
   - Wetlands adjacent to such waters, and have within 300 feet or a much shorter distance, have a significant nexus with a TNW. Data supporting this conclusion is provided at Section III.C.
   - Provide estimates for jurisdictional wetlands in the review area: acres.

7. **Impoundments of jurisdictional waters.**
   - As a general rule, the impoundment of a jurisdictional tributary remains jurisdictional.
   - Demonstrate that impoundment was created from “waters of the U.S.” or
   - Demonstrate that water meets the criteria for one of the categories presented above (1-6), or
   - Demonstrate that water is isolated with a nexus to commerce (see E below).

E. **ISOLATED [INTERSTATE OR INTRA-STATE] WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS (CHECK ALL THAT APPLY):**
   - which are or could be used by interstate or foreign travelers for recreational or other purposes.
   - from which fish or shellfish are or could be taken and sold in interstate or foreign commerce.
   - which are or could be used for industrial purposes by industries in interstate commerce.
   - Interse state isolated waters. Explain:
   - Other factors. Explain:

Identify water body and summarize rationale supporting determination:

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8 See Footnote # 3.
9 To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.
10 Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA Memorandum Regarding CWA Act Jurisdiction Following Rapanos.
Provide estimates for jurisdictional waters in the review area (check all that apply):

- Tributary waters: linear feet width (ft).
- Other non-wetland waters: acres.
  Identify type(s) of waters:.
- Wetlands: acres.

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS (CHECK ALL THAT APPLY):

- If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements.
- Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce.
- Prior to the Jan 2001 Supreme Court decision in “SWANCC,” the review area would have been regulated based solely on the “Migratory Bird Rule” (MBR).
- Waters do not meet the “Significant Nexus” standard, where such a finding is required for jurisdiction. Explain:.
- Other: (explain, if not covered above):.

Provide acreage estimates for non-jurisdictional waters in the review area, where the sole potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment (check all that apply):

- Non-wetland waters (i.e., rivers, streams): linear feet width (ft).
- Lakes/ponds: acres.
- Other non-wetland waters: acres. List type of aquatic resource:.
- Wetlands: 1.62 acres.

Provide acreage estimates for non-jurisdictional waters in the review area that do not meet the “Significant Nexus” standard, where such a finding is required for jurisdiction (check all that apply):

- Non-wetland waters (i.e., rivers, streams): linear feet width (ft).
- Lakes/ponds: acres.
- Other non-wetland waters: acres. List type of aquatic resource:.
- Wetlands: acres.

SECTION IV: DATA SOURCES.

A. SUPPORTING DATA. Data reviewed for JD (check all that apply) - checked items shall be included in case file and, where checked and requested, appropriately reference sources below):
- Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: Delineation dated June 2004, updated May 2012.
- Data sheets prepared/submitted by or on behalf of the applicant/consultant.
- Office concurs with data sheets/delineation report.
- Office does not concur with data sheets/delineation report. We do not concur with non-jurisdictional wetlands in general
- Data sheets prepared by the Corps:.
- Corps navigable waters’ study:.
- USGS NHD data:.
- USGS 8 and 12 digit HUC maps:.
- National wetlands inventory map(s). Cite name: Marengo South, State/Local wetland inventory map(s): McHenry County ADID. NRCS Swampbouser Map.
- FEMA/FIRM maps:.
- 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)
- Other (Name & Date):.
- Previous determination(s). File no. and date of response letter: August 30, 2006.
- Applicable/supporting scientific literature:.
- Other information (please specify):.

B. ADDITIONAL COMMENTS TO SUPPORT JD: Eight wetlands exist on site, all are isolated. This was previously determined in 2006 with a site visit (now expired), and the consultant determined that there has been no change in the wetlands since then.
SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): 14-May-2012

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: Chicago District, LRC-2012-00279-JD1

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State: IL - Illinois
County/parish/borough: Huntley
City: 
Lat: 42.16663
Long: -88.44674
Universal Transverse Mercator: Folder UTM List
UTM list determined by folder location
  • NAD83 / UTM zone 16N
Waters UTM List
UTM list determined by waters location
  • NAD83 / UTM zone 16N
Name of nearest waterbody: South Branch of Kishwaukee

Name of nearest Traditional Navigable Water (TNW):

Name of watershed or Hydrologic Unit Code (HUC): Kishwaukee

Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.

Check if other sites (e.g., offsite mitigation sites, disposal sites, etc.) are associated with the action and are recorded on a different JD form.

D. REVIEW PERFORMED FOR SITE EVALUATION:

Office Determination Date: 23-Apr-2012
Field Determination Date(s): 24-Apr-2012

SECTION II: SUMMARY OF FINDINGS

A. RHA SECTION 10 DETERMINATION OF JURISDICTION

There "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area.

Waters subject to the ebb and flow of the tide.

Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce.

Explain:

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There "waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area.

1. Waters of the U.S.
   a. Indicate presence of waters of U.S. in review area:

<table>
<thead>
<tr>
<th>Water Name</th>
<th>Water Type(s) Present</th>
</tr>
</thead>
<tbody>
<tr>
<td>LRC-2012-279 Farmed Wetland 2</td>
<td>isolated (interstate or intrastate) waters, including isolated wetlands</td>
</tr>
<tr>
<td>LRC-2012-279 Farmed Wetland 5</td>
<td>isolated (interstate or intrastate) waters, including isolated wetlands</td>
</tr>
<tr>
<td>LRC-2012-279 Wetland 1</td>
<td>isolated (interstate or intrastate) waters, including isolated wetlands</td>
</tr>
<tr>
<td>LRC-2012-279 Wetland 3</td>
<td>isolated (interstate or intrastate) waters, including isolated wetlands</td>
</tr>
</tbody>
</table>

   b. Identify (estimate) size of waters of the U.S. in the review area:
Area: (m^2)
Linear: (m)

c. Limits (boundaries) of jurisdiction:
   based on:
   OHWM Elevation: (if known)

2. Non-regulated waters/wetlands.3

Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional. Explain:
Review of maps indicated that the only possible flow route would be towards the west to the South Branch of the Kishwaukee River. A site visit was performed which confirmed the map review that no connection exists between the subject wetlands and the creek. All on-site wetlands are isolated.

SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs

1. TNW
   Not Applicable.

2. Wetland Adjacent to TNW
   Not Applicable.

B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):

1. Characteristics of non-TNWs that flow directly or indirectly into TNW
   (i) General Area Conditions:
      Watershed size:
      Drainage area:
      Average annual rainfall: inches
      Average annual snowfall: inches

   (ii) Physical Characteristics
      (a) Relationship with TNW:
         Tributary flows directly into TNW.
         Tributary flows through [ ] tributaries before entering TNW.
         Number of tributaries
         Project waters are river miles from TNW.
         Project waters are river miles from RPW.
         Project Waters are aerial (straight) miles from TNW.
         Project waters are aerial (straight) miles from RPW.

         Project waters cross or serve as state boundaries.
         Explain:
         Identify flow route to TNW.5

      Tributary Stream Order, if known:
      Not Applicable.

   (b) General Tributary Characteristics:
      Tributary is:
      Not Applicable.

      Tributary properties with respect to top of bank (estimate):
      Not Applicable.

      Primary tributary substrate composition:
      Not Applicable.
Tributary (conditions, stability, presence, geometry, gradient):
Not Applicable.

(c) Flow:
Not Applicable.

Surface Flow is:
Not Applicable.

Subsurface Flow:
Not Applicable.

Tributary has:
Not Applicable.

If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction:

High Tide Line indicated by:
Not Applicable.

Mean High Water Mark indicated by:
Not Applicable.

(iii) Chemical Characteristics:
Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).
Not Applicable.

(iv) Biological Characteristics. Channel supports:
Not Applicable.

2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW

(l) Physical Characteristics:
(a) General Wetland Characteristics:
Properties:
Not Applicable.

(b) General Flow Relationship with Non-TNW:
Flow is:
Not Applicable.

Surface flow is:
Not Applicable.

Subsurface flow:
Not Applicable.

(c) Wetland Adjacency Determination with Non-TNW:
Not Applicable.

(d) Proximity (Relationship) to TNW:
Not Applicable.

(ii) Chemical Characteristics:
Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).
Not Applicable.

(iii) Biological Characteristics. Wetland supports:
Not Applicable.

3. Characteristics of all wetlands adjacent to the tributary (if any):
All wetlands being considered in the cumulative analysis:  
Not Applicable.

Summarize overall biological, chemical and physical functions being performed:  
Not Applicable.

C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g. between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Significant Nexus: Not Applicable

D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE:

1. TNWs and Adjacent Wetlands:  
Not Applicable.

2. RPWs that flow directly or indirectly into TNWs:  
Not Applicable.

Provide estimates for jurisdictional waters in the review area:  
Not Applicable.

3. Non-RPWs that flow directly or indirectly into TNWs:  
Not Applicable.

Provide estimates for jurisdictional waters in the review area:  
Not Applicable.

4. Wetlands directly abutting an RPW that flow directly or indirectly into TNWs:  
Not Applicable.

Provide acreage estimates for jurisdictional wetlands in the review area:  
Not Applicable.

5. Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into ThWs:  
Not Applicable.

Provide acreage estimates for jurisdictional wetlands in the review area:  
Not Applicable.

6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs:  
Not Applicable.

Provide estimates for jurisdictional wetlands in the review area:  
Not Applicable.

7. Impoundments of Jurisdictional waters:  
Not Applicable.

E. ISOLATED (INTERSTATE OR INTRA-STATE) WATERS INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS:

<table>
<thead>
<tr>
<th>Waters Name</th>
<th>Interstate</th>
<th>Foreign</th>
<th>Fish/Shel/Shell</th>
<th>Industrial</th>
<th>Interstate</th>
<th>Explain</th>
<th>Other Factors</th>
<th>Explain</th>
</tr>
</thead>
</table>

5/14/2012
Identify water body and summarize rationale supporting determination:

<table>
<thead>
<tr>
<th>Water Name</th>
<th>Adjacent To TNW Rationale</th>
<th>TNW Rationale</th>
</tr>
</thead>
<tbody>
<tr>
<td>LRC-2012-279 Farmed Wetland 2</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>LRC-2012-279 Farmed Wetland 5</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>LRC-2012-279 Wetland 1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>LRC-2012-279 Wetland 3</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Provide estimates for jurisdictional waters in the review area:

<table>
<thead>
<tr>
<th>Water Name</th>
<th>Type</th>
<th>Size (Linear) (m)</th>
<th>Size (Area) (m²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LRC-2012-279 Farmed Wetland 2</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td>-</td>
<td>3642.1704</td>
</tr>
<tr>
<td>LRC-2012-279 Farmed Wetland 5</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td>-</td>
<td>1618.7424</td>
</tr>
<tr>
<td>LRC-2012-279 Wetland 1</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td>-</td>
<td>24261.136</td>
</tr>
<tr>
<td>LRC-2012-279 Wetland 3</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td>-</td>
<td>1214.0568</td>
</tr>
<tr>
<td>Total:</td>
<td></td>
<td>0</td>
<td>30756.1056</td>
</tr>
</tbody>
</table>

F. NON-JURISDICTIONAL WATERS. INCLUDING WETLANDS

If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements:
- Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce:
- Prior to the Jan 2001 Supreme Court decision in "SWANCC," the review area would have been regulated based solely on the "Migratory Bird Rule" (MBR):
  Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction (Explain):

Other (Explain):

Provide acreage estimates for non-jurisdictional waters in the review area, where the sole potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment:

<table>
<thead>
<tr>
<th>Water Name</th>
<th>Type</th>
<th>Size (Linear) (m)</th>
<th>Size (Area) (m²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LRC-2012-279 Farmed Wetland 2</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td>-</td>
<td>3642.1704</td>
</tr>
<tr>
<td>LRC-2012-279 Farmed Wetland 5</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td>-</td>
<td>1618.7424</td>
</tr>
<tr>
<td>LRC-2012-279 Wetland 1</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td>-</td>
<td>24281.136</td>
</tr>
<tr>
<td>LRC-2012-279 Wetland 3</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td>-</td>
<td>1214.0568</td>
</tr>
<tr>
<td>Total:</td>
<td></td>
<td>0</td>
<td>30756.1056</td>
</tr>
</tbody>
</table>

Provide acreage estimates for non-jurisdictional waters in the review area, that do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.
Not Applicable.

SECTION IV: DATA SOURCES.

A. SUPPORTING DATA: Data reviewed for JD
(listed items shall be included in case file and, where checked and requested, appropriately reference below):

<table>
<thead>
<tr>
<th>Data Reviewed</th>
<th>Source Label</th>
<th>Source Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>--Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant</td>
<td></td>
<td></td>
</tr>
<tr>
<td>--Data sheets prepared/submitted by or on behalf of the applicant/consultant</td>
<td></td>
<td></td>
</tr>
<tr>
<td>--U.S. Geological Survey map(s)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>--State/Local wetland inventory map(s)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>--FEMA/FIRM maps</td>
<td></td>
<td></td>
</tr>
<tr>
<td>--Photographs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>--Aerial</td>
<td></td>
<td></td>
</tr>
<tr>
<td>--Previous determination(s).</td>
<td>Isolated JDs</td>
<td>200500087 LRC-2011-21337</td>
</tr>
</tbody>
</table>

B. ADDITIONAL COMMENTS TO SUPPORT JD:
No Applicable.

---

1. Boxes checked below shall be supported by completing the appropriate sections in Section III below.
2. For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months).
3. Supporting documentation is presented in Section III.F.
4. Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.
5. Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.
6. A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.
7. ibid.
8. See Footnote 9.
9. To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.
10. Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPAPA Memorandum Regarding CWA Act Jurisdiction Following Rapanos.

https://orm.usace.army.mil/orm2/?p=106:34:36443489731f8243::NO:: 5/14/2012
APPROVED JURISDICTIONAL DETERMINATION FORM
U.S. Army Corps of Engineers

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): 02-Jul-2012

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: Chicago District, LRC-2012-00328-J02

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State: IL - Illinois
County/parish/borough: DuPage
City: Oak Brook
Lat: 41.83003
Long: -87.96586

Universal Transverse Mercator
\- UTM list determined by for wet location
\- NAD83 / UTM zone 16N

Waters UTM List
\- UTM list determined by water location
\- NAD83 / UTM zone 16N

Name of nearest waterbody: Mayeslake
Name of nearest Traditional Navigable Water (TNW): Des Plaines River
Name of watershed or Hydrologic Unit Code (HUC): 07120004

☐ Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.

☐ Check if other sites (e.g., offsite mitigation sites, disposal sites, etc.) are associated with the action and are recorded on a different JD form.

D. REVIEW PERFORMED FOR SITE EVALUATION:

☐ Office Determination Date: 02-Jul-2012
☐ Field Determination Date(s): 28-Jun-2012

SECTION II: SUMMARY OF FINDINGS

A. RHA SECTION 10 DETERMINATION OF JURISDICTION

There "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area.

☐ Waters subject to the ebb and flow of the tide.

☐ Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce.

Explain:

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There "waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area.

1. Waters of the U.S.
   a. Indicate presence of waters of U.S. in review area:

   Water Name | Water Type(s) Present
   :----------: | :---------------------:
   LRC-2012-328 Wetland 2 | isolated (interstate or intrastate) waters, including isolated wetlands

   b. Identify (estimate) size of waters of the U.S. in the review area:

   Area: (m²)
   Linear: (m)

   c. Limits (boundaries) of jurisdiction:
based on:
Ohio Elevation: (if known)


Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional. Explain: Wetland 2 has no hydrologic connection with Wetland 1 or 2. It seems to be an isolated, depressional wetland.

SECTION III: CWA ANALYSIS

A. TNWs and Wetlands Adjacent to TNWs

1. TNW
   Not Applicable.

2. Wetland Adjacent to TNW
   Not Applicable

B. Characteristics of Tributary (that is not a TNW) and its Adjacent Wetlands (if any):

1. Characteristics of non-TNWs that flow directly or indirectly into TNW

   (i) General Area Conditions:
       Watershed size:
       Drainage area:
       Average annual rainfall: inches
       Average annual snowfall: inches

   (ii) Physical Characteristics
       (a) Relationship with TNW:
           — Tributary flows directly into TNW.
           — Tributary flows through [ ] tributaries before entering TNW.
           — Number of tributaries
       Project waters are [ ] river miles from TNW.
       Project waters are [ ] river miles from RPW.
       Project Waters are [ ] aerial (straight) miles from TNW.
       Project Waters are [ ] aerial (straight) miles from RPW.

       — Project waters cross or serve as state boundaries.
       Explain:
       Identify flow route to TNW.

       Tributary Stream Order, if known:
       Not Applicable.

   (b) General Tributary Characteristics:

       Tributary is:
       Not Applicable.

       Tributary properties with respect to top of bank (estimate):
       Not Applicable.

       Primary tributary substrate composition:
       Not Applicable.

       Tributary (conditions, stability, presence, geometry, gradient):
       Not Applicable.

   (c) Flow:

https://orm.usace.army.mil/orm2/?p=106:34:19414036438750::NO:: 7/2/2012
Not Applicable.

**Surface Flow is:**
Not Applicable.

**Subsurface Flow:**
Not Applicable.

**Tributary has:**
Not Applicable.

If factors other than the O/HWM were used to determine lateral extent of CWA jurisdiction:

**High Tide Line indicated by:**
Not Applicable.

**Mean High Water Mark indicated by:**
Not Applicable.

**(iii) Chemical Characteristics:**
Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).
Not Applicable.

**(iv) Biological Characteristics. Channel supports:**
Not Applicable.

2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW

**(i) Physical Characteristics:**

**(a) General Wetland Characteristics:**
Properties:
Not Applicable.

**(b) General Flow Relationship with Non-TNW:**

**Flow is:**
Not Applicable.

**Surface flow is:**
Not Applicable.

**Subsurface flow:**
Not Applicable.

**(c) Wetland Adjacency Determination with Non-TNW:**
Not Applicable.

**(d) Proximity (Relationship) to TNW:**
Not Applicable.

**(ii) Chemical Characteristics:**
Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).
Not Applicable.

**(iii) Biological Characteristics. Wetland supports:**
Not Applicable.

3. Characteristics of all wetlands adjacent to the tributary (if any):

All wetlands being considered in the cumulative analysis:
Not Applicable.

Summarize overall biological, chemical and physical functions being performed:
C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g., between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Significant Nexus: Not Applicable

D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE:

1. TNWs and Adjacent Wetlands:
   Not Applicable.

2. RPWs that flow directly or indirectly into TNWs:
   Not Applicable.

Provide estimates for jurisdictional waters in the review area:
Not Applicable.

3. Non-RPWs that flow directly or indirectly into TNWs.¹
   Not Applicable.

Provide estimates for jurisdictional waters in the review area:
Not Applicable.

4. Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.
   Not Applicable.

Provide acreage estimates for jurisdictional wetlands in the review area:
Not Applicable.

5. Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs:
   Not Applicable.

Provide acreage estimates for jurisdictional wetlands in the review area:
Not Applicable.

6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs:
   Not Applicable.

Provide estimates for jurisdictional wetlands in the review area:
Not Applicable.

7. Impoundments of jurisdictional waters.²
   Not Applicable.

E. ISOLATED [INTERSTATE OR INTRA-STATE] WATERS INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS.³

<table>
<thead>
<tr>
<th>Waters Name</th>
<th>Interstate/Foreign Travelers</th>
<th>Fish/Shellfish Commerce</th>
<th>Industrial Commerce</th>
<th>Interstate Isolated</th>
<th>Explain</th>
<th>Other Factors</th>
<th>Explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>LRC-2012-328 Wetland 2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

https://orm.usace.army.mil/orm2/?p=106:34:19414036438750::NO::

7/2/2012
Identify water body and summarize rationale supporting determination:

<table>
<thead>
<tr>
<th>Water Name</th>
<th>Adjacent To TNW Rationale</th>
<th>TNW Rationale</th>
</tr>
</thead>
<tbody>
<tr>
<td>LRC-2012-328 Wetland 2</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

Provide estimates for jurisdictional waters in the review area:

<table>
<thead>
<tr>
<th>Water Name</th>
<th>Type</th>
<th>Size (Linear) (m)</th>
<th>Size (Area) (m²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LRC-2012-328 Wetland 2</td>
<td>isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td>-</td>
<td>1092.65112</td>
</tr>
<tr>
<td>Total:</td>
<td></td>
<td>0</td>
<td>1092.65112</td>
</tr>
</tbody>
</table>

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS

☐ If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements:

☐ Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce:

☐ Prior to the Jan 2001 Supreme Court decision in "SWANCC," the review area would have been regulated based solely on the "Migratory Bird Rule" (MBR):

☐ Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction (Explain):

☐ Other (Explain):

Provide acreage estimates for non-jurisdictional waters in the review area, where the sole potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment:

<table>
<thead>
<tr>
<th>Water Name</th>
<th>Type</th>
<th>Size (Linear) (m)</th>
<th>Size (Area) (m²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LRC-2012-328 Wetland 2</td>
<td>isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td>-</td>
<td>1092.65112</td>
</tr>
<tr>
<td>Total:</td>
<td></td>
<td>0</td>
<td>1092.65112</td>
</tr>
</tbody>
</table>

Provide acreage estimates for non-jurisdictional waters in the review area, that do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.
Not Applicable.

SECTION IV: DATA SOURCES.

A. SUPPORTING DATA. Data reviewed for JD
(listed items shall be included in case file and, where checked and requested, appropriately reference below):

<table>
<thead>
<tr>
<th>Data Reviewed</th>
<th>Source Label</th>
<th>Source Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>-Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>-Data sheets prepared/submitted by or on behalf of the applicant/consultant</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>-U.S. Geological Survey map(s).</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>-USDA Natural Resources Conservation Service Soil Survey.</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>-National wetlands inventory map(s).</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>-State/local wetland inventory map(s).</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>-FEMA/FRMR maps</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>-Photographs</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>-Other</td>
<td>Site visit 6/29/2012</td>
<td>-</td>
</tr>
</tbody>
</table>

B. ADDITIONAL COMMENTS TO SUPPORT JD:
Not Applicable.

1-Boxes checked below shall be supported by completing the appropriate sections in Section III below.

2. For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months).

3. Supporting documentation is presented in Section III.F.

4. Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.

5. Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows to TNW.

6. A natural or man-made discontinuity in the OHHW does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHHW has been removed by development or agricultural practices). Where there is a break in the OHHW that is unrelated to the waterbody’s flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.

7. ibid.

8. See Footnote #3.

9. To complete the analysis refer to the key in Section III.D.8 of the Instructional Guidebook.

10. Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA Memorandum Regarding CWA Act Jurisdiction Following Papanos.
APPROVED JURISDICTIONAL DETERMINATION FORM
U.S. Army Corps of Engineers

JD Status: DRAFT

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): 18-May-2012

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: Chicago District, LRC-2004-22769-JD1

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State: IL - Illinois
County/parish/borough: DuPage
City: Naperville
Lat: 41.80954
Long: -88.12419

Name of nearest waterbody:
Name of nearest Traditional Navigable Water (TNW):
Name of watershed or Hydrologic Unit Code (HUC):

☐ Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.
☐ Check if other sites (e.g., offsite mitigation sites, disposal sites, etc.) are associated with the action and are recorded on a different JD form.

D. REVIEW PERFORMED FOR SITE EVALUATION:

☐ Office Determination Date: 10-Jul-2012
☐ Field Determination Date(s): 09-Jul-2012

SECTION II: SUMMARY OF FINDINGS

A. RHA SECTION 10 DETERMINATION OF JURISDICTION

☐ There "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area.

☐ Waters subject to the ebb and flow of the tide.

☐ Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce.

Explain:

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

☐ There "waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area.

1. Waters of the U.S.
a. Indicate presence of waters of U.S. in review area.1

<table>
<thead>
<tr>
<th>Water Name</th>
<th>Water Type(s) Present</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland 1</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
</tr>
</tbody>
</table>

b. Identify (estimate) size of waters of the U.S. in the review area:

Area: (m²)

c. Limits (boundaries) of jurisdiction:
   Based on:  
   OHWM Elevation: (if known)


   Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional. Explain:
   The subject wetland is a large depressional feature in the landscape, and has no surface water outlets or pipes draining to any flowing water of the U.S.; therefore the subject wetland is considered isolated and non-jurisdictional.

SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs

1. TNW
   Not Applicable.

2. Wetland Adjacent to TNW
   Not Applicable.

B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):

1. Characteristics of non-TNWs that flow directly or indirectly into TNW

   (i) General Area Conditions:
      Watershed size: 
      Drainage area: 
      Average annual rainfall: inches
      Average annual snowfall: inches

   (ii) Physical Characteristics
      (a) Relationship with TNW:
         Tributary flows directly into TNW.
         Tributary flows through [ ] tributaries before entering TNW.
      Number of tributaries
      Project waters are river miles from TNW.
      Project waters are river miles from RPW.
      Project Waters are aerial (straight) miles from TNW.
      Project waters are aerial (straight) miles from RPW.
      Project waters cross or serve as state boundaries.
      Explain:
      Identify flow route to TNW:

      Tributary Stream Order, if known:
      Not Applicable.

   (b) General Tributary Characteristics:
      Tributary is:
      Not Applicable.

      Tributary properties with respect to top of bank (estimate):
      Not Applicable.

      Primary tributary substrate composition:
      Not Applicable.

      Tributary (conditions, stability, presence, geometry, gradient):
Not Applicable.

(c) Flow:
Not Applicable.

Surface Flow is:
Not Applicable.

Subsurface Flow:
Not Applicable.

Tributary has:
Not Applicable.

If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction:

High Tide Line indicated by:
Not Applicable.

Mean High Water Mark indicated by:
Not Applicable.

(iii) Chemical Characteristics:
Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).
Not Applicable.

(iv) Biological Characteristics. Channel supports:
Not Applicable.

2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW

(i) Physical Characteristics:
(a) General Wetland Characteristics:
Properties:
Not Applicable.

(b) General Flow Relationship with Non-TNW:
Flow is:
Not Applicable.

Surface flow is:
Not Applicable.

Subsurface flow:
Not Applicable.

(c) Wetland Adjacency Determination with Non-TNW:
Not Applicable.

(d) Proximity (Relationship) to TNW:
Not Applicable.

(ii) Chemical Characteristics:
Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).
Not Applicable.

(iii) Biological Characteristics. Wetland supports:
Not Applicable.

3. Characteristics of all wetlands adjacent to the tributary (if any):
All wetlands being considered in the cumulative analysis:
Not Applicable.

Summarize overall biological, chemical and physical functions being performed:
Not Applicable.

C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g., between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Significant Nexus: Not Applicable

D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE:

1. TNWs and Adjacent Wetlands:
   Not Applicable.

2. RPWs that flow directly or indirectly into TNWs:
   Not Applicable.

   Provide estimates for jurisdictional waters in the review area:
   Not Applicable.

3. Non-RPWs that flow directly or indirectly into TNWs.8
   Not Applicable.

   Provide estimates for jurisdictional waters in the review area:
   Not Applicable.

4. Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.
   Not Applicable.

   Provide acreage estimates for jurisdictional wetlands in the review area:
   Not Applicable.

5. Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs:
   Not Applicable.

   Provide acreage estimates for jurisdictional wetlands in the review area:
   Not Applicable.

6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs:
   Not Applicable.

   Provide estimates for jurisdictional wetlands in the review area:
   Not Applicable.

7. Impoundments of jurisdictional waters.9
   Not Applicable.

E. ISOLATED [INTERSTATE OR INTRA-STATE] WATERS INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS.10

<table>
<thead>
<tr>
<th>Waters Name</th>
<th>Interstate/Foreign Travelers</th>
<th>Fish/Shel/Shell Commerce</th>
<th>Industrial Commerce</th>
<th>Interstate Isolated</th>
<th>Explain</th>
<th>Other Factors</th>
<th>Explain</th>
</tr>
</thead>
</table>

Wetland 1

Identify water body and summarize rationale supporting determination:

<table>
<thead>
<tr>
<th>Water Name</th>
<th>Adjacent To TNW Rationale</th>
<th>TNW Rationale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland 1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Provide estimates for jurisdictional waters in the review area:

<table>
<thead>
<tr>
<th>Water Name</th>
<th>Type</th>
<th>Size (Linear) (m)</th>
<th>Size (Area) (m²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland 1</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td>-</td>
<td>3035.142</td>
</tr>
<tr>
<td>Total:</td>
<td></td>
<td>0</td>
<td>3035.142</td>
</tr>
</tbody>
</table>

F. NON-JURISDICTIONAL WATERS. INCLUDING WETLANDS

If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements:

- Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce:
- Prior to the Jan 2001 Supreme Court decision in "SWANCC," the review area would have been regulated based solely on the "Migratory Bird Rule" (MBR):
  Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction (Explain):
  Other (Explain):

Provide acreage estimates for non-jurisdictional waters in the review area, where the sole potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment:

<table>
<thead>
<tr>
<th>Water Name</th>
<th>Type</th>
<th>Size (Linear) (m)</th>
<th>Size (Area) (m²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland 1</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td>-</td>
<td>3035.142</td>
</tr>
<tr>
<td>Total:</td>
<td></td>
<td>0</td>
<td>3035.142</td>
</tr>
</tbody>
</table>

Provide acreage estimates for non-jurisdictional waters in the review area, that do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.
Not Applicable.

SECTION IV: DATA SOURCES.

A. SUPPORTING DATA. Data reviewed for JD
(Listed items shall be included in case file and, where checked and requested, appropriately reference below):

<table>
<thead>
<tr>
<th>Data Reviewed</th>
<th>Source Label</th>
<th>Source Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>-Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant</td>
<td>Wetland Assessment Report</td>
<td>CBBEL</td>
</tr>
<tr>
<td>-Data sheets prepared/submitted by or on behalf of the applicant/consultant</td>
<td></td>
<td></td>
</tr>
<tr>
<td>------Office concurs with data sheets/delineation report</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-Corps navigable waters study</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-U.S. Geological Survey Hydrologic Atlas</td>
<td></td>
<td></td>
</tr>
<tr>
<td>------USGS 8 and 12 digit HUC maps</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-U.S. Geological Survey map(s)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-USDA Natural Resources Conservation Service Soil Survey.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-National wetlands inventory map(s).</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-Photographs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>------Aerial</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-Previous determination(s).</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-Applicable/supporting case law</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-Other information</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
B. ADDITIONAL COMMENTS TO SUPPORT JD:

<table>
<thead>
<tr>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site visit on July 9, 2012 during drought conditions which allowed access to entire wetland and perimeter to verify no drainage out.</td>
</tr>
</tbody>
</table>

1. Boxes checked below shall be supported by completing the appropriate sections in Section III below.
2. For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months).
3. Supporting documentation is presented in Section III.F.
4. Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally in the arid West.
5. Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.
6. A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.
7. Ibid.
8. See Footnote #3.
9. To complete the analysis refer to the key in Section II.D.6 of the Instructional Guidebook.
10. Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA Memorandum Regarding CWA Act Jurisdiction Following Rapanos.
APPROVED JURISDICTIONAL DETERMINATION FORM
U.S. Army Corps of Engineers

JD Status: DRAFT

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): 06-May-2012

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: Chicago District, LRC-2012-00333-JD1

C. PROJECT LOCATION AND BACKGROUND INFORMATION:
State: IL - Illinois
County/parish/borough: DuPage
City: 41.85818
Lat: -88.14373
Long: Universal Transverse Mercator
Folder UTM List
UTM list determined by folder location
• NAD83 / UTM zone 16N
Waters UTM List
UTM list determined by waters location

Name of nearest waterbody:
Name of nearest Traditional Navigable Water (TNW):
Name of watershed or Hydrologic Unit Code (HUC):

Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.
Check if other sites (e.g., offsite mitigation sites, disposal sites, etc.) are associated with the action and are recorded on a different JD form.

D. REVIEW PERFORMED FOR SITE EVALUATION:

☐ Office Determination Date: 05-Jul-2012
☐ Field Determination Date(s): 18-May-2012

SECTION II: SUMMARY OF FINDINGS

A. RHA SECTION 10 DETERMINATION OF JURISDICTION
There "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area.

☐ Waters subject to the ebb and flow of the tide.
☐ Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce.

Explain:

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.
There "waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 329) in the review area.

1. Waters of the U.S.
   a. Indicate presence of waters of U.S. in review area:

<table>
<thead>
<tr>
<th>Water Name</th>
<th>Water Type(s) Present</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland 1</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
</tr>
</tbody>
</table>

b. Identify (estimate) size of waters of the U.S. in the review area:
Area: (m²)
Linear: (m)

https://orm.usace.army.mil/orm2/?p=106:34:234745876743583::NO::
7/5/2012
c. Limits (boundaries) of jurisdiction:
   based on:
   OHWM Elevation: (if known)

2. Non-regulated waters/wetlands: 3

Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional. Explain:
The subject wetland receives storm water from the adjacent parking lots during rain events, and is a large depressional area with no surface water flow to the nearby creek; therefore it is isolated and non-jurisdictional.

SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs

1. TNW
   Not Applicable.

2. Wetland Adjacent to TNW
   Not Applicable.

B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):

1. Characteristics of non-TNWs that flow directly or indirectly into TNW

   (i) General Area Conditions:
   Watershed size:
   Drainage area:
   Average annual rainfall: inches
   Average annual snowfall: inches

   (ii) Physical Characteristics
   (a) Relationship with TNW:
      : Tributary flows directly into TNW.
      : Tributary flows through [ ] tributaries before entering TNW.
      : Number of tributaries
   Project waters are [ ] river miles from TNW.
   Project waters are [ ] river miles from RPW.
   Project Waters are [ ] aerial (straight) miles from TNW.
   Project waters are [ ] aerial (straight) miles from RPW.
      : Project waters cross or serve as state boundaries.
   Explain:
   Identify flow route to TNW. 5

   Tributary Stream Order, if known:
   Not Applicable.

   (b) General Tributary Characteristics:
   Tributary is:
   Not Applicable.

   Tributary properties with respect to top of bank (estimate):
   Not Applicable.

   Primary tributary substrate composition:
   Not Applicable.

   Tributary (conditions, stability, presence, geometry, gradient):
   Not Applicable.
(c) Flow:  
Not Applicable.

Surface Flow is:  
Not Applicable.

Subsurface Flow:  
Not Applicable.

Tributary has:  
Not Applicable.

If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction:

High Tide Line indicated by:  
Not Applicable.

Mean High Water Mark indicated by:  
Not Applicable.

(iii) Chemical Characteristics:  
Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).  
Not Applicable.

(iv) Biological Characteristics. Channel supports:  
Not Applicable.

2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW

(i) Physical Characteristics:  
(a) General Wetland Characteristics:  
Properties:  
Not Applicable.

(b) General Flow Relationship with Non-TNW:  
Flow is:  
Not Applicable.

Surface flow is:  
Not Applicable.

Subsurface flow:  
Not Applicable.

(c) Wetland Adjacency Determination with Non-TNW:  
Not Applicable.

(d) Proximity (Relationship) to TNW:  
Not Applicable.

(ii) Chemical Characteristics:  
Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).  
Not Applicable.

(iii) Biological Characteristics. Wetland supports:  
Not Applicable.

3. Characteristics of all wetlands adjacent to the tributary (if any):  
All wetlands being considered in the cumulative analysis:  
Not Applicable.
Summarize overall biological, chemical and physical functions being performed:
Not Applicable.

C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g. between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Significant Nexus: Not Applicable

D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE:

1. TNWs and Adjacent Wetlands:
   Not Applicable.

2. RPWs that flow directly or indirectly into TNWs:
   Not Applicable.

Provide estimates for jurisdictional waters in the review area:
Not Applicable.

3. Non-RPWs that flow directly or indirectly into TNWs:
   Not Applicable.

Provide estimates for jurisdictional waters in the review area:
Not Applicable.

4. Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.
   Not Applicable.

Provide acreage estimates for jurisdictional wetlands in the review area:
Not Applicable.

5. Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs:
   Not Applicable.

Provide acreage estimates for jurisdictional wetlands in the review area:
Not Applicable.

6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs:
   Not Applicable.

Provide estimates for jurisdictional wetlands in the review area:
Not Applicable.

7. Impoundments of jurisdictional waters:
   Not Applicable.

E. ISOLATED [INTERSTATE OR INTRA-STATE] WATERS INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS:

<table>
<thead>
<tr>
<th>Waters Name</th>
<th>Interstate/Foreign Travelers</th>
<th>Fish/Shellfish Commerce</th>
<th>Industrial Commerce</th>
<th>Interstate Isolated</th>
<th>Explain</th>
<th>Other Factors</th>
<th>Explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland 1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
<td>-</td>
</tr>
</tbody>
</table>

7/5/2012
Identify water body and summarize rationale supporting determination:

<table>
<thead>
<tr>
<th>Water Name</th>
<th>Adjacent To TNW Rationale</th>
<th>TNW Rationale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland 1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Provide estimates for jurisdictional waters in the review area:

<table>
<thead>
<tr>
<th>Water Name</th>
<th>Type</th>
<th>Size (Linear) (m)</th>
<th>Size (Area) (m²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland 1</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td>-</td>
<td>647.49696</td>
</tr>
<tr>
<td>Total:</td>
<td></td>
<td>0</td>
<td>647.49696</td>
</tr>
</tbody>
</table>

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS

- If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements:
  - Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce:
    - Prior to the Jan 2001 Supreme Court decision in “SWANCC,” the review area would have been regulated based solely on the “Migratory Bird Rule” (MBR):
      - Waters do not meet the “Significant Nexus” standard, where such a finding is required for jurisdiction (Explain):
        - Other (Explain):

Provide acreage estimates for non-jurisdictional waters in the review area, where the sole potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment:

<table>
<thead>
<tr>
<th>Water Name</th>
<th>Type</th>
<th>Size (Linear) (m)</th>
<th>Size (Area) (m²)</th>
</tr>
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<tr>
<td>Wetland 1</td>
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<td>-</td>
<td>647.49696</td>
</tr>
<tr>
<td>Total:</td>
<td></td>
<td>0</td>
<td>647.49696</td>
</tr>
</tbody>
</table>

Provide acreage estimates for non-jurisdictional waters in the review area, that do not meet the “Significant Nexus” standard, where such a finding is required for jurisdiction.

Not Applicable.

SECTION IV: DATA SOURCES.

A. SUPPORTING DATA, Data reviewed for JD

<table>
<thead>
<tr>
<th>Data Reviewed</th>
<th>Source Label</th>
<th>Source Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Data sheets prepared/submitted by or on behalf of the applicant/consultant</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Office concurs with data sheets/delineation report</td>
<td>Hey and Associates, Inc.</td>
<td>Wetland Delineation Report</td>
</tr>
<tr>
<td>Corps navigable waters study</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>U.S. Geological Survey Hydrologic Atlas</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>USGS 8 and 12 digit HUC maps</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>U.S. Geological Survey map(s)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>USDA Natural Resources Conservation Service Soil Survey</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>National wetlands inventory map(s)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>FEMA/FIRM maps</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Photographs</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Aerial</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Other</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Applicable/supporting case law</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Other information</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
B. ADDITIONAL COMMENTS TO SUPPORT JD:

<table>
<thead>
<tr>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site visit on May 18, 2012 to document site conditions; follow up calls with DuPage County DEC.</td>
</tr>
</tbody>
</table>

1. Boxes checked below shall be supported by completing the appropriate sections in Section III below.

2. For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months).

3. Supporting documentation is presented in Section III.F.

4. Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.

5. Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.

6. A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.

7. Ibid.

8. See Footnote #3.

9. To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.

10. Prior to asserting or declining CWA Jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA Memorandum Regarding CWA Act Jurisdiction Following Rapanos.
SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): 21-May-2012

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: Chicago District, LRC-2012-00363-JD1

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State: IL - Illinois
County/parish/borough: Cook
City: 
Lat: 42.44117
Long: -88.25317
Universal Transverse Mercator

Name of nearest waterbody:

Name of nearest Traditional Navigable Water (TNW):

Name of watershed or Hydrologic Unit Code (HUC):

☐ Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.

☐ Check if other sites (e.g., offsite mitigation sites, disposal sites, etc.) are associated with the action and are recorded on a different JD form.

D. REVIEW PERFORMED FOR SITE EVALUATION:

☐ Office Determination Date: 05-Jul-2012

☐ Field Determination Date(s): 19-Jun-2012

SECTION II: SUMMARY OF FINDINGS

A. RHA SECTION 10 DETERMINATION OF JURISDICTION

There *"navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area.

☐ Waters subject to the ebb and flow of the tide.

☐ Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce.

Explain:

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There *"waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area.

1. Waters of the U.S.
   a. Indicate presence of waters of U.S. in review area:

<table>
<thead>
<tr>
<th>Water Name</th>
<th>Water Type(s) Present</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland 1</td>
<td>isolated (interstate or intrastate) waters, including isolated wetlands</td>
</tr>
<tr>
<td>Wetland 2</td>
<td>isolated (interstate or intrastate) waters, including isolated wetlands</td>
</tr>
<tr>
<td>Wetland 3</td>
<td>isolated (interstate or intrastate) waters, including isolated wetlands</td>
</tr>
</tbody>
</table>

   b. Identify (estimate) size of waters of the U.S. in the review area:
Area: (m²)
Linear: (m)

c. Limits (boundaries) of jurisdiction:
based on:
OHWM Elevation: (if known)

2. Non-regulated waters/wetlands:

Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional. Explain:
The subject 3 wetlands are isolated depressions; wetland 1 (0.42ac) is in a flood and is impounded by a parking lot and a RR bed, wetland 2 (0.03ac) and wetland 3 (0.08ac) are in the middle of a wooded area. None of these wetlands has any surface water connection to any flowing water of the U.S., and therefore are non-jurisdictional.

SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs

1. TNW
Not Applicable.

2. Wetland Adjacent to TNW
Not Applicable.

B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):

1. Characteristics of non-TNWs that flow directly or indirectly into TNW

   (i) General Area Conditions:
   Watershed size:
   Drainage area:
   Average annual rainfall: inches
   Average annual snowfall: inches

   (ii) Physical Characteristics
   (a) Relationship with TNW:
   □ Tributary flows directly into TNW.
   □ Tributary flows through [] tributaries before entering TNW.
   □ Number of tributaries
   Project waters are river miles from TNW.
   Project waters are river miles from RPW.
   Project Waters are aerial (straight) miles from TNW.
   Project waters are aerial (straight) miles from RPW.
   □ Project waters cross or serve as state boundaries.
   Explain:
   Identify flow route to TNW:^5

   Tributary Stream Order, if known:
   Not Applicable.

   (b) General Tributary Characteristics:

   Tributary is:
   Not Applicable.

   Tributary properties with respect to top of bank (estimate):
   Not Applicable.

   Primary tributary substrate composition:
   Not Applicable.
Tributary (conditions, stability, presence, geometry, gradient):
Not Applicable.

(c) Flow:
Not Applicable.

Surface Flow is:
Not Applicable.

Subsurface Flow:
Not Applicable.

Tributary has:
Not Applicable.

If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction:

High Tide Line indicated by:
Not Applicable.

Mean High Water Mark indicated by:
Not Applicable.

(iii) Chemical Characteristics:
Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).
Not Applicable.

(iv) Biological Characteristics. Channel supports:
Not Applicable.

2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW

(i) Physical Characteristics:
(a) General Wetland Characteristics:
Properties:
Not Applicable.

(b) General Flow Relationship with Non-TNW:
Flow is:
Not Applicable.

Surface flow is:
Not Applicable.

Subsurface flow:
Not Applicable.

(c) Wetland Adjacency Determination with Non-TNW:
Not Applicable.

(d) Proximity (Relationship) to TNW:
Not Applicable.

(ii) Chemical Characteristics:
Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).
Not Applicable.

(iii) Biological Characteristics. Wetland supports:
Not Applicable.

3. Characteristics of all wetlands adjacent to the tributary (if any):
All wetlands being considered in the cumulative analysis:
Not Applicable.

Summarize overall biological, chemical and physical functions being performed:
Not Applicable.

C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g., between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Significant Nexus: Not Applicable

D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE:

1. TNWs and Adjacent Wetlands:
Not Applicable.

2. RPWs that flow directly or indirectly into TNWs:
Not Applicable.

Provide estimates for jurisdictional waters in the review area:
Not Applicable.

3. Non-RPWs that flow directly or indirectly into TNWs:
Not Applicable.

Provide estimates for jurisdictional waters in the review area:
Not Applicable.

4. Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.
Not Applicable.

Provide acreage estimates for jurisdictional wetlands in the review area:
Not Applicable.

5. Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs:
Not Applicable.

Provide acreage estimates for jurisdictional wetlands in the review area:
Not Applicable.

6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs:
Not Applicable.

Provide estimates for jurisdictional wetlands in the review area:
Not Applicable.

7. Impoundments of jurisdictional waters:
Not Applicable.

E. ISOLATED [INTERSTATE OR INTRA-STATE] WATERS INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS:

<table>
<thead>
<tr>
<th>Waters Name</th>
<th>Interstate/Foreign</th>
<th>Fish/Shellfish</th>
<th>Industrial</th>
<th>Interstate</th>
<th>Explain</th>
<th>Other Factors</th>
<th>Explain</th>
</tr>
</thead>
</table>

Identify water body and summarize rationale supporting determination:

<table>
<thead>
<tr>
<th>Water Name</th>
<th>Adjacent To TNW Rationale</th>
<th>TNW Rationale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland 1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Wetland 2</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Wetland 3</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Provide estimates for jurisdictional waters in the review area:

<table>
<thead>
<tr>
<th>Water Name</th>
<th>Type</th>
<th>Size (Linear) (m)</th>
<th>Size (Area) (m²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland 1</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td>-</td>
<td>1699.87952</td>
</tr>
<tr>
<td>Wetland 2</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td>-</td>
<td>121.40568</td>
</tr>
<tr>
<td>Wetland 3</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td>-</td>
<td>323.74846</td>
</tr>
<tr>
<td>Total:</td>
<td></td>
<td>0</td>
<td>2144.83368</td>
</tr>
</tbody>
</table>

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS

- If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements:

- Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce:

- Prior to the Jan 2001 Supreme Court decision in "SWANCC," the review area would have been regulated based solely on the "Migratory Bird Rule" (MBR):

- Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction (Explain):

Other (Explain):

Provide acreage estimates for non-jurisdictional waters in the review area, where the sole potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment:

<table>
<thead>
<tr>
<th>Water Name</th>
<th>Type</th>
<th>Size (Linear) (m)</th>
<th>Size (Area) (m²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland 1</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td>-</td>
<td>1699.87952</td>
</tr>
<tr>
<td>Wetland 2</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td>-</td>
<td>121.40568</td>
</tr>
<tr>
<td>Wetland 3</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td>-</td>
<td>323.74846</td>
</tr>
<tr>
<td>Total:</td>
<td></td>
<td>0</td>
<td>2144.83368</td>
</tr>
</tbody>
</table>

Provide acreage estimates for non-jurisdictional waters in the review area, that do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Not Applicable.

SECTION IV: DATA SOURCES.

A. SUPPORTING DATA. Data reviewed for JD

- Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant
- U.S. Geological Survey Hydrologic Atlas
- USGS 8 and 12 digit HUC maps
- U.S. Geological Survey map(s)
- USDA Natural Resources Conservation Service Soil Survey
- Photographs

Source Label | Source Description
-------------|---------------------
B. ADDITIONAL COMMENTS TO SUPPORT JD:

Site visit on June 19, 2012 to walk site with consultant.

1. Boxes checked below shall be supported by completing the appropriate sections in Section III below.
2. For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months).
3. Supporting documentation is presented in Section III.F.
4. Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.
5. Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.
6. A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody’s flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.
7. ibid
8. See Footnote #3.
9. To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.
10. Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA Memorandum Regarding CWA Act Jurisdiction Following Rapanos.
APPROVED JURISDICTIONAL DETERMINATION FORM
U.S. Army Corps of Engineers

JD Status: DRAFT

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): 06-Apr-2012

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: Chicago District, LRC-2012-00257-JD1

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State: IL - Illinois  
County/parish/borough: Cook  
City:  
Lat: 42.08889  
Long: -88.23524  
Universal Transverse Mercator: Folder UTM List  
UTM list determined by folder location:  
- NAD83 / UTM zone 16N  
Waters UTM List: UTM list determined by waters location

Name of nearest waterbody:
Name of nearest Traditional Navigable Water (TNW):
Name of watershed or Hydrologic Unit Code (HUC):

Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.
Check if other sites (e.g., offsite mitigation sites, disposal sites, etc.) are associated with the action and are recorded on a different JD form.

D. REVIEW PERFORMED FOR SITE EVALUATION:

Office Determination Date: 20-Jun-2012  
Field Determination Date(s): 19-Jun-2012

SECTION II: SUMMARY OF FINDINGS

A. RHA SECTION 10 DETERMINATION OF JURISDICTION

There "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area.

Waters subject to the ebb and flow of the tide.
Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce.

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There "waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area.

1. Waters of the U.S.
   a. Indicate presence of waters of U.S. in review area:¹
      | Water Name | Water Type(s) Present |
      |------------|-----------------------|
      | Wetland A  | Isolated (interstate or intrastate) waters, including isolated wetlands |
      | Wetland AA | Isolated (interstate or intrastate) waters, including isolated wetlands |
      | Wetland B  | Isolated (interstate or intrastate) waters, including isolated wetlands |
      | Wetland BB | Isolated (interstate or intrastate) waters, including isolated wetlands |
      | Wetland C  | Isolated (interstate or intrastate) waters, including isolated wetlands |
      | Wetland CC | Isolated (interstate or intrastate) waters, including isolated wetlands |
      | Wetland D  | Isolated (interstate or intrastate) waters, including isolated wetlands |

¹ Indicate presence of waters of U.S. in review area.
b. Identify (estimate) size of waters of the U.S. in the review area:

Area:  \( (m^2) \)
Linear:  \( (m) \)

c. Limits (boundaries) of jurisdiction:

based on:

OHWM Elevation:  \( \) (if known)

2. Non-regulated waters/wetlands: ³

Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional. Explain:

There are a total of 38 wetlands on-site (totaling approximately 10-15 acres), and only 1 at the north is natural, and I traced a weak drainage north into a farm field and then it disappeared/faded. The other 37 wetlands were created by excavation for gravel, and the site has since been abandoned. These wetland are all isolated, as they exhibit no surface water connection to any flowing water of the U.S.; and therefore they are all non-jurisdictional.

SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs

1. TNW
Not Applicable.

2. Wetland Adjacent to TNW
Not Applicable.

B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):

https://orm.usace.army.mil/orm2/?p=106:34:4139514238637216::NO::

6/20/2012
1. Characteristics of non-TNWs that flow directly or indirectly into TNW

(ii) General Area Conditions:
Watershed size:
Drainage area:
Average annual rainfall: inches
Average annual snowfall: inches

(ii) Physical Characteristics
(a) Relationship with TNW:
Tributary flows directly into TNW.

(b) General Tributary Characteristics:
Tributary is:

(c) Flow:
Surface Flow is:
Subsurface Flow:
Tributary has:

If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction:

High Tide Line indicated by:
Mean High Water Mark indicated by:
(iii) Chemical Characteristics:
Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).
Not Applicable.

(iv) Biological Characteristics. Channel supports:
Not Applicable.

2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW

(i) Physical Characteristics:
(a) General Wetland Characteristics:
Properties:
Not Applicable.

(b) General Flow Relationship with Non-TNW:
Flow is:
Not Applicable.

Surface flow is:
Not Applicable.

Subsurface flow:
Not Applicable.

(c) Wetland Adjacency Determination with Non-TNW:
Not Applicable.

(d) Proximity (Relationship) to TNW:
Not Applicable.

(ii) Chemical Characteristics:
Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).
Not Applicable.

(iii) Biological Characteristics. Wetland supports:
Not Applicable.

3. Characteristics of all wetlands adjacent to the tributary (if any):
All wetlands being considered in the cumulative analysis:
Not Applicable.

Summarize overall biological, chemical and physical functions being performed:
Not Applicable.

C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g. between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Significant Nexus: Not Applicable

D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE:

1. TNWs and Adjacent Wetlands:
Not Applicable.
2. RPWs that flow directly or indirectly into TNWs:
Not Applicable.

Provide estimates for jurisdictional waters in the review area:
Not Applicable.

3. Non-RPWs that flow directly or indirectly into TNWs.\(^8\)
Not Applicable.

Provide estimates for jurisdictional waters in the review area:
Not Applicable.

4. Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.
Not Applicable.

Provide acreage estimates for jurisdictional wetlands in the review area:
Not Applicable.

5. Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs:
Not Applicable.

Provide acreage estimates for jurisdictional wetlands in the review area:
Not Applicable.

6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs:
Not Applicable.

Provide estimates for jurisdictional wetlands in the review area:
Not Applicable.

7. Impoundments of jurisdictional waters.\(^9\)
Not Applicable.

---

**E. ISOLATED [INTERSTATE OR INTRA-STATE] WATERS INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS:**\(^10\)

<table>
<thead>
<tr>
<th>Waters Name</th>
<th>Interstate/Foreign Travelers</th>
<th>Fish/Shellfish Commerce</th>
<th>Industrial Commerce</th>
<th>Interstate Isolated</th>
<th>Explain</th>
<th>Other Factors</th>
<th>Explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland A</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Wetland AA</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Wetland B</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Wetland BB</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Wetland C</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Wetland CC</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
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<td>Wetland D</td>
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<td>Wetland DD</td>
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<td>-</td>
</tr>
<tr>
<td>Wetland E</td>
<td>-</td>
<td>-</td>
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<td>-</td>
<td>-</td>
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<td>-</td>
</tr>
<tr>
<td>Wetland EE</td>
<td>-</td>
<td>-</td>
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<td>-</td>
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<td>-</td>
</tr>
<tr>
<td>Wetland F</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Wetland FF</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Wetland G</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Wetland GG</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
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Provide estimates for jurisdictional waters in the review area:

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Total: 0 m | 61512.2112 m²

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS

If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1997 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements:

- Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce:
- Prior to the Jan 2001 Supreme Court decision in "SWANCC," the review area would have been regulated based solely on the "Migratory Bird Rule" (MBR):
- Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction (Explain):

Other (Explain):

Provide acreage estimates for non-jurisdictional waters in the review area, where the sole potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional
Provide acreage estimates for non-jurisdictional waters in the review area, that do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.
Not Applicable.

SECTION IV: DATA SOURCES.

A. SUPPORTING DATA. Data reviewed for JD

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<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td>-</td>
<td>404.6856</td>
</tr>
<tr>
<td>Wetland S</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td>-</td>
<td>809.3712</td>
</tr>
<tr>
<td>Wetland T</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td>-</td>
<td>202.3428</td>
</tr>
<tr>
<td>Wetland U</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td>-</td>
<td>202.3428</td>
</tr>
<tr>
<td>Wetland V</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td>-</td>
<td>202.3428</td>
</tr>
<tr>
<td>Wetland W</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td>-</td>
<td>202.3428</td>
</tr>
<tr>
<td>Wetland WA</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td>-</td>
<td>1011.714</td>
</tr>
<tr>
<td>Wetland X</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td>-</td>
<td>4046.895</td>
</tr>
<tr>
<td>Wetland Y</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td>-</td>
<td>202.3428</td>
</tr>
<tr>
<td>Wetland Z</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td>-</td>
<td>202.3428</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>0</td>
</tr>
</tbody>
</table>

Bollinger Environmental, Inc.


https://orm.usace.army.mil/orm2/?p=10634:4139514238637216::NO::
6/20/2012
---U.S. Geological Survey map(s). ---
---USDA Natural Resources Conservation Service Soil Survey. ---
---National wetlands inventory map(s). ---
---FEMA/FIRM maps ---
---Photographs ---
---Aerial ---
---Other ---
---Applicable/supporting case law ---
---Other information ---

B. ADDITIONAL COMMENTS TO SUPPORT JD:

Description

Site visit on June 19, 2012 with Paul Bollinger to walk entire site and one potential drainage to the north to it's terminus.

---

1. Boxes checked below shall be supported by completing the appropriate sections in Section III below.
2. For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months).
3. Supporting documentation is presented in Section III.F.
4. Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally used in the and West.
5. Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.
6. A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.
7. Ibid.
8. See Footnote #3.
9. To complete the analysis refer to the key in Section III.D.8 of the Instructional Guidebook.
10. Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA Memorandum Regarding CWA Act Jurisdiction Following Rapanos.
APPROVED JURISDICTIONAL DETERMINATION FORM
U.S. Army Corps of Engineers

JD Status: DRAFT

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): 07-Jun-2012

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: Chicago District, LRC-2012-00412-JD1

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State: IN - Indiana
County/parish/borough: Lake
City:
Lat: 41.54863
Long: -87.41979
Universal Transverse Mercator: Folder UTM List
UTM list determined by folder location
• NAD83 / UTM zone 16N
Waters UTM List
UTM list determined by waters location

Name of nearest waterbody:
Name of nearest Traditional Navigable Water (TNW):
Name of watershed or Hydrologic Unit Code (HUC):

Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.
Check if other sites (e.g., offsite mitigation sites, disposal sites, etc.) are associated with the action and are recorded on a different JD form.

D. REVIEW PERFORMED FOR SITE EVALUATION:
Office Determination Date: 07-Jun-2012
Field Determination Date(s):

SECTION II: SUMMARY OF FINDINGS

A. RHA SECTION 10 DETERMINATION OF JURISDICTION

There "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area.

Waters subject to the ebb and flow of the tide.
Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce.

Explain:

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There "waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area.

1. Waters of the U.S.
   a. Indicate presence of waters of U.S. in review area:

<table>
<thead>
<tr>
<th>Water Name</th>
<th>Water Type(s) Present</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland 1</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
</tr>
</tbody>
</table>

   b. Identify (estimate) size of waters of the U.S. in the review area:
   Area: (m²)
   Linear: (m)

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6/7/2012
c. Limits (boundaries) of jurisdiction:
   based on:
   OHWM Elevation: (if known)

2. Non-regulated waters/wetlands:

Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional. Explain:
The subject (0.15 ac) wetland is an isolated depression. The property is near a watershed break, and there is no surface water connection to any flowing water of the U.S.; therefore this wetland is isolated and non-jurisdictional.

SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs

1. TNW
   Not Applicable.

2. Wetland Adjacent to TNW
   Not Applicable.

D. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):

1. Characteristics of non-TNWs that flow directly or indirectly into TNW
   (i) General Area Conditions:
      Watershed size:
      Drainage area:
      Average annual rainfall: inches
      Average annual snowfall: inches

   (ii) Physical Characteristics
      (a) Relationship with TNW:
      Tributary flows directly into TNW.
      Tributary flows through [ ] tributaries before entering TNW.
      Number of tributaries
      Project waters are river miles from TNW.
      Project waters are river miles from RPW.
      Project Waters are aerial (straight) miles from TNW.
      Project waters are aerial (straight) miles from RPW.
      Project waters cross or serve as state boundaries.
      Explain:
      Identify flow route to TNW:

      Tributary Stream Order, if known:
      Not Applicable.

(b) General Tributary Characteristics:

      Tributary is:
      Not Applicable.

      Tributary properties with respect to top of bank (estimate):
      Not Applicable.

      Primary tributary substrate composition:
      Not Applicable.

      Tributary (conditions, stability, presence, geometry, gradient):
      Not Applicable.
(c) Flow:
Not Applicable.

Surface Flow is:
Not Applicable.

Subsurface Flow:
Not Applicable.

Tributary has:
Not Applicable.

If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction:

High Tide Line indicated by:
Not Applicable.

Mean High Water Mark indicated by:
Not Applicable.

(iii) Chemical Characteristics:
Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).
Not Applicable.

(iv) Biological Characteristics. Channel supports:
Not Applicable.

2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW

(i) Physical Characteristics:
(a) General Wetland Characteristics:
Properties:
Not Applicable.

(b) General Flow Relationship with Non-TNW:
Flow is:
Not Applicable.

Surface flow is:
Not Applicable.

Subsurface flow:
Not Applicable.

(c) Wetland Adjacency Determination with Non-TNW:
Not Applicable.

(d) Proximity (Relationship) to TNW:
Not Applicable.

(ii) Chemical Characteristics:
Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).
Not Applicable.

(iii) Biological Characteristics. Wetland supports:
Not Applicable.

3. Characteristics of all wetlands adjacent to the tributary (if any):
All wetlands being considered in the cumulative analysis:
Not Applicable.
C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g., between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Significant Nexus: Not Applicable

D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE:

1. TNWs and Adjacent Wetlands:
   Not Applicable.

2. RPWs that flow directly or indirectly into TNWs:
   Not Applicable.

   Provide estimates for jurisdictional waters in the review area:
   Not Applicable.

3. Non-RPWs that flow directly or indirectly into TNWs:
   Not Applicable.

   Provide estimates for jurisdictional waters in the review area:
   Not Applicable.

4. Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.
   Not Applicable.

   Provide acreage estimates for jurisdictional wetlands in the review area:
   Not Applicable.

5. Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs:
   Not Applicable.

   Provide acreage estimates for jurisdictional wetlands in the review area:
   Not Applicable.

6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs:
   Not Applicable.

   Provide estimates for jurisdictional wetlands in the review area:
   Not Applicable.

7. Impoundments of jurisdictional waters:
   Not Applicable.

E. ISOLATED [INTERSTATE OR INTRA-STATE] WATERS INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS:

<table>
<thead>
<tr>
<th>Waters Name</th>
<th>Interstate/Foreign Travelers</th>
<th>Fish/Shellfish Commerce</th>
<th>Industrial Commerce</th>
<th>Interstate Isolated</th>
<th>Explain</th>
<th>Other Factors</th>
<th>Explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland 1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

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6/7/2012
Identify water body and summarize rationale supporting determination:

<table>
<thead>
<tr>
<th>Water Name</th>
<th>Adjacent To TNW Rationale</th>
<th>TNW Rationale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland 1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Provide estimates for jurisdictional waters in the review area:

<table>
<thead>
<tr>
<th>Water Name</th>
<th>Type</th>
<th>Size (Linear) (m)</th>
<th>Size (Area) (m²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland 1</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td>-</td>
<td>607.0284</td>
</tr>
</tbody>
</table>

Total: 0 607.0284

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS

If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements:

- Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce:
  - Prior to the Jan 2001 Supreme Court decision in "SWANCC," the review area would have been regulated based solely on the "Migratory Bird Rule" (MBR):
    - Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction (Explain):
      - Other (Explain):

Provide acreage estimates for non-jurisdictional waters in the review area, where the sole potential basis of jurisdiction is the MBR factors (e.g., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment:

<table>
<thead>
<tr>
<th>Water Name</th>
<th>Type</th>
<th>Size (Linear) (m)</th>
<th>Size (Area) (m²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetland 1</td>
<td>Isolated (interstate or intrastate) waters, including isolated wetlands</td>
<td>-</td>
<td>607.0284</td>
</tr>
</tbody>
</table>

Total: 0 607.0284

Provide acreage estimates for non-jurisdictional waters in the review area, that do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Not Applicable.

SECTION IV: DATA SOURCES.

A. SUPPORTING DATA. Data reviewed for JD

(Listed items shall be included in case file and, where checked and requested, appropriately reference below):

<table>
<thead>
<tr>
<th>Data Reviewed</th>
<th>Source Label</th>
<th>Source Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>-Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant</td>
<td>CBBEL Wetland Assessment Report</td>
<td></td>
</tr>
<tr>
<td>-Data sheets prepared/ submitted by or on behalf of the applicant/consultant</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-Office concurs with data sheets/delineation report</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-Corps navigable waters study</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-U.S. Geological Survey Hydrologic Atlas</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----USGS 8 and 12 digit HUC maps</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-U.S. Geological Survey map(s).</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-National wetlands inventory map(s).</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-FEMA/FIRM maps</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-Photographs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----Aerial</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-Applicable/supporting case law</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

B. ADDITIONAL COMMENTS TO SUPPORT JD:

Not Applicable.
1. Boxes checked below shall be supported by completing the appropriate sections in Section III below.

2. For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months).

3. Supporting documentation is presented in Section III F.

4. Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.

5. Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to b, which then flows into TNW.

6. A natural or man-made discontinuity in the OHWM does not necessarily sewer jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody’s flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.

7. ibid

8. See Footnote #3.

9. To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.

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