

**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): 20-Mar-2012

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: Chicago District, LRC-2012-00214-JD1

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State : IL - Illinois
County/parish/borough: Cook
City:
Lat: 41.6285
Long: -87.61356
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: 02-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:¹

| Water Name | Water Type(s) Present |
|------------------|---|
| Site 1 (Ditch) | Isolated (interstate or intrastate) waters, including isolated wetlands |
| Site 2 (Ditch) | Isolated (interstate or intrastate) waters, including isolated wetlands |
| Site 3 (Ditch) | Isolated (interstate or intrastate) waters, including isolated wetlands |
| Site 4 (Wetland) | Isolated (interstate or intrastate) waters, including isolated wetlands |
| Site 6 (Ditch) | Isolated (interstate or intrastate) waters, including isolated wetlands |
| Site 7 | 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:****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:
 All sites are localized constructed drainage ditches and detention basins within the railroad property to keep the site dry as it is a flat landlocked property. The ditches and basins have no connection off-site to any flowing Water of the U.S.; and therefore are 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: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

| Waters Name | Interstate\Foreign Travelers | Fish/Shellfish Commerce | Industrial Commerce | Interstate Isolated | Explain | Other Factors | Explain |
|------------------|------------------------------|-------------------------|---------------------|---------------------|---------|---------------|---------|
| Site 1(Ditch) | - | - | - | - | - | - | - |
| Site 2 (Ditch) | - | - | - | - | - | - | - |
| Site 3 (Ditch) | - | - | - | - | - | - | - |
| Site 4 (Wetland) | - | - | - | - | - | - | - |
| Site 6 (Ditch) | - | - | - | - | - | - | - |
| Site 7 | - | - | - | - | - | - | - |

Identify water body and summarize rationale supporting determination:

| Water Name | Adjacent To TNW Rationale | TNW Rationale |
|------------------|---------------------------|---------------|
| Site 1(Ditch) | - | - |
| Site 2 (Ditch) | - | - |
| Site 3 (Ditch) | - | - |
| Site 4 (Wetland) | - | - |
| Site 6 (Ditch) | - | - |
| Site 7 | - | - |

Provide estimates for jurisdictional waters in the review area:

| Water Name | Type | Size (Linear) (m) | Size (Area) (m ²) |
|------------------|---|-------------------|-------------------------------|
| Site 1(Ditch) | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 2205.53652 |
| Site 2 (Ditch) | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 291.373632 |
| Site 3 (Ditch) | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 2428.1136 |
| Site 4 (Wetland) | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 307.561056 |
| Site 6 (Ditch) | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 1076.463696 |
| Site 7 | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 113.311968 |
| Total: | | 0 | 6422.360472 |

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 (ie., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment:

| Water Name | Type | Size (Linear) (m) | Size (Area) (m ²) |
|------------------|---|-------------------|-------------------------------|
| Site 1(Ditch) | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 2205.53652 |
| Site 2 (Ditch) | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 291.373632 |
| Site 3 (Ditch) | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 2428.1136 |
| Site 4 (Wetland) | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 307.561056 |
| Site 6 (Ditch) | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 1076.463696 |
| Site 7 | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 113.311968 |
| Total: | | 0 | 6422.360472 |

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):

| Data Reviewed | Source Label | Source Description |
|--|-----------------------|--------------------|
| --Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant | Wetland Investigation | Huff & Huff |
| --Data sheets prepared/submitted by or on behalf of the applicant/consultant | - | - |
| ---Office concurs with data sheets/delineation report | - | - |
| --Corps navigable waters study | - | - |
| --U.S. Geological Survey Hydrologic Atlas | - | - |
| ---USGS 8 and 12 digit HUC maps | - | - |
| --U.S. Geological Survey map(s). | - | - |
| --National wetlands inventory map(s). | - | - |
| --FEMA/FIRM maps | - | - |
| --Photographs | - | - |
| ---Aerial | - | - |
| ---Other | - | - |
| --Applicable/supporting case law | - | - |

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 Rapanos.

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

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): 28-Sep-2011

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: Chicago District, LRC-2011-00589-JD2

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State : IL - Illinois
County/parish/borough: Cook
City: Chicago
Lat: 41.6866
Long: -87.54284
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: Calumet River
Name of nearest Traditional Navigable Water (TNW): Calumet River
Name of watershed or Hydrologic Unit Code (HUC): 04040001

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: 29-Feb-2012
 Field Determination Date(s): 28-Sep-2011

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

| Water Name | Water Type(s) Present |
|---------------------|---|
| LRC-2011-589 BBW-1 | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-589 BBW-2 | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-589 BBW-3a | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-589 BBW3b | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-589 BEW-1 | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-589 BEW-2 | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-589 BEW-3 | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-589 BEW-4 | Isolated (interstate or intrastate) waters, including isolated wetlands |

| | |
|--------------------|---|
| LRC-2011-589 BEW-5 | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-589 BEW-6 | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-589 BW-1 | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-589 BW-2 | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-589 BW-3a | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-589 BW-3b | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-589 BW-3c | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-589 BW-3c | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-589 BW-4a | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-589 BW-4a | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-589 BW-4b | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-589 BW-4c | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-589 BW-4d | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-589 BW-4e | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-589 BW-4f | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-589 BW-4g | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-589 BW-4h | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-589 BW-4i | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-589 BW-4j | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-589 BW-4k | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-589 BW-5a | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-589 BW-5b | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-589 BW-5c | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-589 BW-5d | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-589 BW-6 | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-589 BW-7a | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-589 BW-7b | 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:

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:
Each of the isolated wetlands were pocket wetlands with no drainage in or out of the wetland area. Additionally the wetlands had no connection to each other or to a RPW or TNW.

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: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

| Waters Name | Interstate/Foreign Travelers | Fish/Shellfish Commerce | Industrial Commerce | Interstate Isolated | Explain | Other Factors | Explain |
|---------------------|------------------------------|-------------------------|---------------------|---------------------|---------|---------------|---------|
| LRC-2011-589 BBW-1 | - | - | - | - | - | - | - |
| LRC-2011-589 BBW-2 | - | - | - | - | - | - | - |
| LRC-2011-589 BBW-3a | - | - | - | - | - | - | - |
| LRC-2011-589 BBW3b | - | - | - | - | - | - | - |
| LRC-2011-589 BEW-1 | - | - | - | - | - | - | - |
| LRC-2011-589 BEW-2 | - | - | - | - | - | - | - |
| LRC-2011-589 BEW-3 | - | - | - | - | - | - | - |
| LRC-2011-589 BEW-4 | - | - | - | - | - | - | - |
| LRC-2011-589 BEW-5 | - | - | - | - | - | - | - |
| LRC-2011-589 BEW-6 | - | - | - | - | - | - | - |
| LRC-2011-589 BW-1 | - | - | - | - | - | - | - |
| LRC-2011-589 BW-2 | - | - | - | - | - | - | - |
| LRC-2011-589 BW-3a | - | - | - | - | - | - | - |
| LRC-2011-589 BW-3b | - | - | - | - | - | - | - |
| LRC-2011-589 BW-3c | - | - | - | - | - | - | - |
| LRC-2011-589 BW-3c | - | - | - | - | - | - | - |
| LRC-2011-589 BW-4a | - | - | - | - | - | - | - |
| LRC-2011-589 BW-4a | - | - | - | - | - | - | - |
| LRC-2011-589 BW-4b | - | - | - | - | - | - | - |
| LRC-2011-589 BW-4c | - | - | - | - | - | - | - |
| LRC-2011-589 BW-4d | - | - | - | - | - | - | - |
| LRC-2011-589 BW-4e | - | - | - | - | - | - | - |
| LRC-2011-589 BW-4f | - | - | - | - | - | - | - |
| LRC-2011-589 BW-4g | - | - | - | - | - | - | - |
| LRC-2011-589 BW-4h | - | - | - | - | - | - | - |

| | | | | | | | |
|--------------------|---|---|---|---|---|---|---|
| LRC-2011-589 BW-4i | - | - | - | - | - | - | - |
| LRC-2011-589 BW-4j | - | - | - | - | - | - | - |
| LRC-2011-589 BW-4k | - | - | - | - | - | - | - |
| LRC-2011-589 BW-5a | - | - | - | - | - | - | - |
| LRC-2011-589 BW-5b | - | - | - | - | - | - | - |
| LRC-2011-589 BW-5c | - | - | - | - | - | - | - |
| LRC-2011-589 BW-5d | - | - | - | - | - | - | - |
| LRC-2011-589 BW-6 | - | - | - | - | - | - | - |
| LRC-2011-589 BW-7a | - | - | - | - | - | - | - |
| LRC-2011-589 BW-7b | - | - | - | - | - | - | - |

Identify water body and summarize rationale supporting determination:

| Water Name | Adjacent To TNW Rationale | TNW Rationale |
|---------------------|---------------------------|---------------|
| LRC-2011-589 BBW-1 | - | - |
| LRC-2011-589 BBW-2 | - | - |
| LRC-2011-589 BBW-3a | - | - |
| LRC-2011-589 BBW3b | - | - |
| LRC-2011-589 BEW-1 | - | - |
| LRC-2011-589 BEW-2 | - | - |
| LRC-2011-589 BEW-3 | - | - |
| LRC-2011-589 BEW-4 | - | - |
| LRC-2011-589 BEW-5 | - | - |
| LRC-2011-589 BEW-6 | - | - |
| LRC-2011-589 BW-1 | - | - |
| LRC-2011-589 BW-2 | - | - |
| LRC-2011-589 BW-3a | - | - |
| LRC-2011-589 BW-3b | - | - |
| LRC-2011-589 BW-3c | - | - |
| LRC-2011-589 BW-3c | - | - |
| LRC-2011-589 BW-4a | - | - |
| LRC-2011-589 BW-4a | - | - |
| LRC-2011-589 BW-4b | - | - |
| LRC-2011-589 BW-4c | - | - |
| LRC-2011-589 BW-4d | - | - |
| LRC-2011-589 BW-4e | - | - |
| LRC-2011-589 BW-4f | - | - |
| LRC-2011-589 BW-4g | - | - |
| LRC-2011-589 BW-4h | - | - |
| LRC-2011-589 BW-4i | - | - |
| LRC-2011-589 BW-4j | - | - |
| LRC-2011-589 BW-4k | - | - |
| LRC-2011-589 BW-5a | - | - |
| LRC-2011-589 BW-5b | - | - |
| LRC-2011-589 BW-5c | - | - |
| LRC-2011-589 BW-5d | - | - |
| LRC-2011-589 BW-6 | - | - |
| LRC-2011-589 BW-7a | - | - |
| LRC-2011-589 BW-7b | - | - |

Provide estimates for jurisdictional waters in the review area:

| Water Name | Type | Size (Linear) (m) | Size (Area) (m ²) |
|---------------------|---|-------------------|-------------------------------|
| LRC-2011-589 BBW-1 | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 323.74848 |
| LRC-2011-589 BBW-2 | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 647.49696 |
| LRC-2011-589 BBW-3a | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 40.46856 |
| LRC-2011-589 BBW3b | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 40.46856 |

| | | | |
|--------------------|---|----------|--------------------|
| LRC-2011-589 BEW-1 | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 768.90264 |
| LRC-2011-589 BEW-2 | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 40.46856 |
| LRC-2011-589 BEW-3 | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 971.24544 |
| LRC-2011-589 BEW-4 | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 283.27992 |
| LRC-2011-589 BEW-5 | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 687.96552 |
| LRC-2011-589 BEW-6 | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 1092.65112 |
| LRC-2011-589 BW-1 | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 2751.86208 |
| LRC-2011-589 BW-2 | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 40.46856 |
| LRC-2011-589 BW-3a | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 930.77688 |
| LRC-2011-589 BW-3b | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 80.93712 |
| LRC-2011-589 BW-3c | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 40.46856 |
| LRC-2011-589 BW-3c | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 80.93712 |
| LRC-2011-589 BW-4a | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 849.83976 |
| LRC-2011-589 BW-4a | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 202.3428 |
| LRC-2011-589 BW-4b | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 485.62272 |
| LRC-2011-589 BW-4c | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 1214.0568 |
| LRC-2011-589 BW-4d | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 5179.97568 |
| LRC-2011-589 BW-4e | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 728.43408 |
| LRC-2011-589 BW-4f | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 242.81136 |
| LRC-2011-589 BW-4g | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 283.27992 |
| LRC-2011-589 BW-4h | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 161.87424 |
| LRC-2011-589 BW-4i | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 283.27992 |
| LRC-2011-589 BW-4j | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 80.93712 |
| LRC-2011-589 BW-4k | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 1537.80528 |
| LRC-2011-589 BW-5a | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 404.6856 |
| LRC-2011-589 BW-5b | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 647.49696 |
| LRC-2011-589 BW-5c | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 5179.97568 |
| LRC-2011-589 BW-5d | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 283.27992 |
| LRC-2011-589 BW-6 | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 7041.52944 |
| LRC-2011-589 BW-7a | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 9874.32864 |
| LRC-2011-589 BW-7b | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 40.46856 |
| Total: | | 0 | 43544.17056 |

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 (ie., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment:

| Water Name | Type | Size (Linear) (m) | Size (Area) (m ²) |
|---------------------|---|-------------------|-------------------------------|
| LRC-2011-589 BBW-1 | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 323.74848 |
| LRC-2011-589 BBW-2 | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 647.49696 |
| LRC-2011-589 BBW-3a | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 40.46856 |
| LRC-2011-589 BBW3b | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 40.46856 |
| LRC-2011-589 BEW-1 | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 768.90264 |
| LRC-2011-589 BEW-2 | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 40.46856 |

| | | | |
|--------------------|---|----------|--------------------|
| LRC-2011-589 BEW-3 | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 971.24544 |
| LRC-2011-589 BEW-4 | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 283.27992 |
| LRC-2011-589 BEW-5 | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 687.96552 |
| LRC-2011-589 BEW-6 | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 1092.65112 |
| LRC-2011-589 BW-1 | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 2751.86208 |
| LRC-2011-589 BW-2 | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 40.46856 |
| LRC-2011-589 BW-3a | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 930.77688 |
| LRC-2011-589 BW-3b | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 80.93712 |
| LRC-2011-589 BW-3c | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 40.46856 |
| LRC-2011-589 BW-3c | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 80.93712 |
| LRC-2011-589 BW-4a | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 849.83976 |
| LRC-2011-589 BW-4a | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 202.3428 |
| LRC-2011-589 BW-4b | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 485.62272 |
| LRC-2011-589 BW-4c | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 1214.0568 |
| LRC-2011-589 BW-4d | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 5179.97568 |
| LRC-2011-589 BW-4e | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 728.43408 |
| LRC-2011-589 BW-4f | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 242.81136 |
| LRC-2011-589 BW-4g | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 283.27992 |
| LRC-2011-589 BW-4h | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 161.87424 |
| LRC-2011-589 BW-4i | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 283.27992 |
| LRC-2011-589 BW-4j | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 80.93712 |
| LRC-2011-589 BW-4k | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 1537.80528 |
| LRC-2011-589 BW-5a | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 404.6856 |
| LRC-2011-589 BW-5b | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 647.49696 |
| LRC-2011-589 BW-5c | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 5179.97568 |
| LRC-2011-589 BW-5d | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 283.27992 |
| LRC-2011-589 BW-6 | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 7041.52944 |
| LRC-2011-589 BW-7a | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 9874.32864 |
| LRC-2011-589 BW-7b | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 40.46856 |
| Total: | | 0 | 43544.17056 |

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):

| Data Reviewed | Source Label | Source Description |
|--|---------------------------------|--------------------|
| --Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant | - | - |
| --Data sheets prepared/submitted by or on behalf of the applicant/consultant | Wetland delineation data sheets | - |
| --U.S. Geological Survey Hydrologic Atlas | - | - |
| ----USGS NHD data | - | - |
| --National wetlands inventory map(s). | - | - |
| --Photographs | - | - |
| ----Other | - | - |
| --Other information | Site visit | - |

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 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): 22-Feb-2012

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: Chicago District, LRC-2012-00123-JD1

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State : IL - Illinois
County/parish/borough: Cook
City:
Lat: 42.08435
Long: -88.08638
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: 13-Mar-2012
 Field Determination Date(s): 09-Mar-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

| Water Name | Water Type(s) Present |
|------------|---|
| Wetland 1 | Isolated (interstate or intrastate) waters, including isolated wetlands |
| 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:

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 1 (0.11 ac) and wetland 2 (0.32 ac) are both small isolated depressions in a bowl shaped area in the middle of the subject property. All water from the surrounding uplands drains into these areas and pool, with no outlet to any structure or flowing water of the U.S. Therefore, the subject wetlands are 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: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

| | | | | | | | |
|--------------------|---------------------------|-----------------------|-------------------|-------------------|----------------|----------------------|----------------|
| Waters Name | Interstate\Foreign | Fish/Shellfish | Industrial | Interstate | Explain | Other Factors | Explain |
|--------------------|---------------------------|-----------------------|-------------------|-------------------|----------------|----------------------|----------------|

| | Travelers | Commerce | Commerce | Isolated | | | |
|-----------|-----------|----------|----------|----------|---|---|---|
| Wetland 1 | - | - | - | - | - | - | - |
| Wetland 2 | - | - | - | - | - | - | - |

Identify water body and summarize rationale supporting determination:

| Water Name | Adjacent To TNW Rationale | TNW Rationale |
|------------|---------------------------|---------------|
| Wetland 1 | - | - |
| Wetland 2 | - | - |

Provide estimates for jurisdictional waters in the review area:

| Water Name | Type | Size (Linear) (m) | Size (Area) (m ²) |
|---------------|---|-------------------|-------------------------------|
| Wetland 1 | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 445.15416 |
| Wetland 2 | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 1294.99392 |
| Total: | | 0 | 1740.14808 |

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 (ie., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment:

| Water Name | Type | Size (Linear) (m) | Size (Area) (m ²) |
|---------------|---|-------------------|-------------------------------|
| Wetland 1 | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 445.15416 |
| Wetland 2 | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 1294.99392 |
| Total: | | 0 | 1740.14808 |

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):

| Data Reviewed | Source Label | Source Description |
|--|--------------|--------------------|
| --Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant | CDF | - |
| --U.S. Geological Survey Hydrologic Atlas | - | - |
| ---USGS 8 and 12 digit HUC maps | - | - |
| --U.S. Geological Survey map(s). | - | - |
| --National wetlands inventory map(s). | - | - |
| --Photographs | - | - |
| ---Aerial | - | - |
| --Applicable/supporting case law | - | - |
| --Other information | - | - |

B. ADDITIONAL COMMENTS TO SUPPORT JD:**Description**

On-site visit performed on 09 Mar 2012 to view wetlands and incoming drainage with no outlets.

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**

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): 12-Apr-2012

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: Chicago District, LRC-2011-00025-JD2

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State : IL - Illinois
County/parish/borough: McHenry
City: Algonquin
Lat: 42.18544
Long: -88.33549
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: Fox River
Name of nearest Traditional Navigable Water (TNW): Fox River
Name of watershed or Hydrologic Unit Code (HUC): Fox River

- 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-Apr-2012
- Field Determination Date(s): 28-Apr-2011
10-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:¹

| Water Name | Water Type(s) Present |
|------------------------|---|
| LRC-2011-25 Wetland AB | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-25 Wetland AC | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-25 Wetland AD | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-25 Wetland AF | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-25 Wetland AG | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-25 Wetland B | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-25 Wetland J | Isolated (interstate or intrastate) waters, including isolated wetlands |

| | |
|------------------------|---|
| LRC-2011-25 Wetland L | Isolated (interstate or intrastate) waters, including isolated wetlands |
| LRC-2011-25 Wetland AE | 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:
 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 B: roadside depression isolated wetland
- Wetland E: Detention basin adjacent to Woods Creek, not in-line with a creek, so not jurisdictional
- Wetland J: Determined isolated under LRC-2009-404
- Wetland L: Determined isolated under LRC-2009-404
- Wetland AB: Present before development, no signs of connections to downstream, determined isolated in field
- Wetland AC: Isolated, no outlets to jurisdictional areas identified. Reviewed Algonquin stormsewer maps.
- Wetland AD: Isolated, no outlets to jurisdictional areas identified. Reviewed Algonquin stormsewer maps.
- Wetland AE: depression, no flow route to jurisdictional area
- Wetland AF: closed pocket
- Wetland AG: depression, no flow route to jurisdictional area

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: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

| Waters Name | Interstate\Foreign Travelers | Fish/Shellfish Commerce | Industrial Commerce | Interstate Isolated | Explain | Other Factors | Explain |
|------------------------|------------------------------|-------------------------|---------------------|---------------------|---------|---------------|---------|
| LRC-2011-25 Wetland AB | - | - | - | - | - | - | - |
| LRC-2011-25 Wetland AC | - | - | - | - | - | - | - |
| LRC-2011-25 Wetland AD | - | - | - | - | - | - | - |
| LRC-2011-25 Wetland AF | - | - | - | - | - | - | - |
| LRC-2011-25 Wetland AG | - | - | - | - | - | - | - |
| LRC-2011-25 Wetland B | - | - | - | - | - | - | - |
| LRC-2011-25 Wetland J | - | - | - | - | - | - | - |
| LRC-2011-25 Wetland L | - | - | - | - | - | - | - |
| LRC-2011-25 Wetland AE | - | - | - | - | - | - | - |

Identify water body and summarize rationale supporting determination:

| Water Name | Adjacent To TNW Rationale | TNW Rationale |
|------------------------|---------------------------|---------------|
| LRC-2011-25 Wetland AB | - | - |
| LRC-2011-25 Wetland AC | - | - |
| LRC-2011-25 Wetland AD | - | - |
| LRC-2011-25 Wetland AF | - | - |
| LRC-2011-25 Wetland AG | - | - |
| LRC-2011-25 Wetland B | - | - |
| LRC-2011-25 Wetland J | - | - |
| LRC-2011-25 Wetland L | - | - |
| LRC-2011-25 Wetland AE | - | - |

Provide estimates for jurisdictional waters in the review area:

| Water Name | Type | Size (Linear) (m) | Size (Area) (m ²) |
|------------------------|---|-------------------|-------------------------------|
| LRC-2011-25 Wetland AB | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 809.3712 |
| LRC-2011-25 Wetland AC | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 28327.992 |
| LRC-2011-25 Wetland AD | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 28327.992 |
| LRC-2011-25 Wetland AF | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 404.6856 |
| LRC-2011-25 Wetland AG | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 404.6856 |
| LRC-2011-25 Wetland B | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 40.46856 |
| LRC-2011-25 Wetland J | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 5058.57 |
| LRC-2011-25 Wetland L | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 647.49696 |
| LRC-2011-25 Wetland AE | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 2023.428 |
| Total: | | 0 | 66044.68992 |

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 (ie., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment:

| Water Name | Type | Size (Linear) (m) | Size (Area) (m ²) |
|------------------------|---|-------------------|-------------------------------|
| LRC-2011-25 Wetland AB | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 809.3712 |
| LRC-2011-25 Wetland AC | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 28327.992 |
| LRC-2011-25 Wetland AD | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 28327.992 |
| LRC-2011-25 Wetland AF | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 404.6856 |
| LRC-2011-25 Wetland AG | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 404.6856 |
| LRC-2011-25 Wetland B | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 40.46856 |
| LRC-2011-25 Wetland J | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 5058.57 |
| LRC-2011-25 Wetland L | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 647.49696 |
| LRC-2011-25 Wetland AE | Isolated (interstate or intrastate) waters, including isolated wetlands | - | 2023.428 |
| Total: | | 0 | 66044.68992 |

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):

| Data Reviewed | Source Label | Source Description |
|--|---------------------------|--------------------|
| --Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant | - | - |
| --Data sheets prepared/submitted by or on behalf of the applicant/consultant | - | - |
| --State/Local wetland inventory map(s): | - | - |
| --Other information | Algonquin stormsewer maps | - |

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 Rapanos.