

**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):** 05-Dec-2011

**B. DISTRICT OFFICE, FILE NAME, AND NUMBER:** Chicago District, LRC-2011-00805-JD1

**C. PROJECT LOCATION AND BACKGROUND INFORMATION:**

<b>State :</b>	IL - Illinois
<b>County/parish/borough:</b>	Cook
<b>City:</b>	Orland Park
<b>Lat:</b>	41.62686
<b>Long:</b>	-87.88929
<b>Universal Transverse Mercator</b>	<u>Folder UTM List</u> <i>UTM list determined by folder location</i> <ul style="list-style-type: none"> <li>● NAD83 / UTM zone 16N</li> </ul> <u>Waters UTM List</u> <i>UTM list determined by waters location</i>

**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: 19-Dec-2011

Field Determination Date(s): 15-Dec-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:<sup>1</sup>**

Water Name	Water Type(s) Present
Wetland A	Isolated (interstate or intrastate) waters, including isolated wetlands

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

**Area:** (m<sup>2</sup>)

**Linear:** (m)

**c. Limits (boundaries) of jurisdiction:****based on:****OHWM Elevation:** (if known)**2. Non-regulated waters/wetlands:<sup>3</sup>****Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional. Explain:**

The subject wetland (approx. 1 acre) is an isolated feature in a hilly landscape, and has no outlet or connection to any flowing water of the U.S. The water levels fluctuate greatly based on rainfall and temperature.

**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:<sup>5</sup>****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:<sup>8</sup>**  
 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:<sup>9</sup>**  
 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:<sup>10</sup>**

Waters Name	Interstate\Foreign Travelers	Fish/Shellfish Commerce	Industrial Commerce	Interstate Isolated	Explain	Other Factors	Explain
Wetland A	-	-	-	-	-	-	-

**Identify water body and summarize rationale supporting determination:**

Water Name	Adjacent To TNW Rationale	TNW Rationale
Wetland A	-	-

**Provide estimates for jurisdictional waters in the review area:**

Water Name	Type	Size (Linear) (m)	Size (Area) (m <sup>2</sup> )
Wetland A	Isolated (interstate or intrastate) waters, including isolated wetlands	-	4046.856
<b>Total:</b>		<b>0</b>	<b>4046.856</b>

**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 <sup>2</sup> )
Wetland A	Isolated (interstate or intrastate) waters, including isolated wetlands	-	4046.856
<b>Total:</b>		<b>0</b>	<b>4046.856</b>

**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	CBBEL	Wetland Assessment
--Data sheets prepared/submitted by or on behalf of the applicant/consultant	-	-
----Office concurs with data sheets/delineation report	-	-
--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.	-	-
--National wetlands inventory map(s).	-	-
--FEMA/FIRM maps	-	-
--Photographs	-	-
----Aerial	-	-
--Applicable/supporting case law	-	-
--Other information	-	-

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

Description

Site visit to walk property on Dec. 15, 2011.

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

<sup>2</sup>-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).

<sup>3</sup>-Supporting documentation is presented in Section III.F.

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

<sup>5</sup>-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.

<sup>6</sup>-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.

<sup>7</sup>-Ibid.

<sup>8</sup>-See Footnote #3.

<sup>9</sup>-To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.

<sup>10</sup>-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):** 01-Dec-2011

**B. DISTRICT OFFICE, FILE NAME, AND NUMBER:** Chicago District. LRC-2011-00802-JD1

**C. PROJECT LOCATION AND BACKGROUND INFORMATION:**

**State :** IL - Illinois  
**County/parish/borough:** Cook  
**City:** Burnham  
**Lat:** 41.63336  
**Long:** -87.55295  
**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: 19-Dec-2011  
 Field Determination Date(s): 15-Dec-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:<sup>1</sup>**

Water Name	Water Type(s) Present
Wetland 1	Isolated (interstate or intrastate) waters, including isolated wetlands
Wetland 5	Isolated (interstate or intrastate) waters, including isolated wetlands
Wetland 6	Isolated (interstate or intrastate) waters, including isolated wetlands
Wetland 7	Isolated (interstate or intrastate) waters, including isolated wetlands
Wetland 8	Isolated (interstate or intrastate) waters, including isolated wetlands
Wetland 9	Isolated (interstate or intrastate) waters, including isolated wetlands

**b. Identify (estimate) size of waters of the U.S. in the review area:**Area: (m<sup>2</sup>)

Linear: (m)

**c. Limits (boundaries) of jurisdiction:**

based on:

OHWM Elevation: (if known)

**2. Non-regulated waters/wetlands:<sup>3</sup>**

**Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional. Explain:**  
The 6 wetlands, totalling approximately 24 acres, are isolated impoundments along and/or between railroad beds, are relatively flat, and have no connection 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:<sup>5</sup>****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:<sup>8</sup>**

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:<sup>9</sup>**

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:<sup>10</sup>**

Waters Name	Interstate\Foreign Travelers	Fish/Shellfish Commerce	Industrial Commerce	Interstate Isolated	Explain	Other Factors	Explain
Wetland 1	-	-	-	-	-	-	-
Wetland 5	-	-	-	-	-	-	-
Wetland 6	-	-	-	-	-	-	-
Wetland 7	-	-	-	-	-	-	-
Wetland 8	-	-	-	-	-	-	-
Wetland 9	-	-	-	-	-	-	-

**Identify water body and summarize rationale supporting determination:**

Water Name	Adjacent To TNW Rationale	TNW Rationale
Wetland 1	-	-
Wetland 5	-	-
Wetland 6	-	-
Wetland 7	-	-
Wetland 8	-	-
Wetland 9	-	-

**Provide estimates for jurisdictional waters in the review area:**

Water Name	Type	Size (Linear) (m)	Size (Area) (m <sup>2</sup> )
Wetland 1	Isolated (interstate or intrastate) waters, including isolated wetlands	-	15782.7384
Wetland 5	Isolated (interstate or intrastate) waters, including isolated wetlands	-	1902.02232
Wetland 6	Isolated (interstate or intrastate) waters, including isolated wetlands	-	7891.3692
Wetland 7	Isolated (interstate or intrastate) waters, including isolated wetlands	-	37959.50928
Wetland 8	Isolated (interstate or intrastate) waters, including isolated wetlands	-	2670.92496
Wetland 9	Isolated (interstate or intrastate) waters, including isolated wetlands	-	28773.14616
<b>Total:</b>		<b>0</b>	<b>94979.71032</b>

**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 <sup>2</sup> )
Wetland 1	Isolated (interstate or intrastate) waters, including isolated wetlands	-	15782.7384
Wetland 5	Isolated (interstate or intrastate) waters, including isolated wetlands	-	1902.02232
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Wetland 8	Isolated (interstate or intrastate) waters, including isolated wetlands	-	2670.92496
Wetland 9	Isolated (interstate or intrastate) waters, including isolated wetlands	-	28773.14616
<b>Total:</b>		<b>0</b>	<b>94979.71032</b>

**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	CBBEL	Request for JD.
--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).	-	-
--Photographs	-	-
----Aerial	-	-
--Applicable/supporting case law	-	-
--Other information	-	-

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

**Description**

Joint field visit with CBBEL staff to walk all wetland areas and verify jurisdiction.

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

<sup>2</sup>-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).

<sup>3</sup>-Supporting documentation is presented in Section III.F.

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

<sup>5</sup>-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.

<sup>6</sup>-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.

<sup>7</sup>-Ibid.

<sup>8</sup>-See Footnote #3.

<sup>9</sup>-To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.

<sup>10</sup>-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):** 01-Dec-2011

**B. DISTRICT OFFICE, FILE NAME, AND NUMBER:** Chicago District, LRC-2011-00581-JD2

**C. PROJECT LOCATION AND BACKGROUND INFORMATION:**

**State :** IL - Illinois  
**County/parish/borough:** McHenry  
**City:** Near Holiday Hills  
**Lat:** 42.29315  
**Long:** -88.21272  
**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:** Griswold Lake  
**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:** 01-Dec-2011  
**Field Determination Date(s):** 07-Oct-2011  
 27-Oct-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:<sup>1</sup>**

Water Name	Water Type(s) Present
LRC-2011-581 W-1	Isolated (interstate or intrastate) waters, including isolated wetlands
LRC-2011-581 W-4	Isolated (interstate or intrastate) waters, including isolated wetlands

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

**Area:** (m<sup>2</sup>)

Linear: (m)

**c. Limits (boundaries) of jurisdiction:**

**based on:**

**OHWM Elevation:** (if known)

**2. Non-regulated waters/wetlands:<sup>3</sup>**

**Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional. Explain:**  
Wetland 1 is an isolated depression with no nexus to jurisdictional waters. This determination was made by examining the two-foot contour map and looking for a drainage path or stormsewer pipe in the field. The two foot contours indicated a small ridge to the southeast of the wetland. The most likely flow route would be to the southeast towards wetland 2 and WOUS 1. This was examined in the field on October 7, 2011 and no evidence of water flow from this wetland was observed. This wetland is not in the 100-year floodplain. If water flows to the southeast from this wetland, it would likely only be during large rain events and probably less than annually.

Wetland 4 is an isolated depression on the east side of River Road. This determination was made by examining the two-foot contour map and looking for a drainage path or stormsewer pipe in the field. The most likely flow route would be to the west through a stormsewer pipe to wetland 5 and Griswold Lake. A pipe or other connection was not observed during the site visit on October 27, 2011. This wetland is not in the 100-year floodplain. Water likely only reaches Griswold Lake from this wetland during flooding events.

**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:<sup>5</sup>**

**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:<sup>8</sup>**

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:<sup>9</sup>**

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:<sup>10</sup>**

Waters Name	Interstate/Foreign Travelers	Fish/Shellfish Commerce	Industrial Commerce	Interstate Isolated	Explain	Other Factors	Explain
LRC-2011-581 W-1	-	-	-	-	-	-	-
LRC-2011-581 W-4	-	-	-	-	-	-	-

**Identify water body and summarize rationale supporting determination:**

Water Name	Adjacent To TNW Rationale	TNW Rationale
LRC-2011-581 W-1	-	-
LRC-2011-581 W-4	-	-

**Provide estimates for jurisdictional waters in the review area:**

Water Name	Type	Size (Linear) (m)	Size (Area) (m <sup>2</sup> )
LRC-2011-581 W-1	Isolated (interstate or intrastate) waters, including isolated wetlands	-	728.43408
LRC-2011-581 W-4	Isolated (interstate or intrastate) waters, including isolated wetlands	-	1982.95944
<b>Total:</b>		<b>0</b>	<b>2711.39352</b>

**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 <sup>2</sup> )
LRC-2011-581 W-1	Isolated (interstate or intrastate) waters, including isolated wetlands	-	728.43408
LRC-2011-581 W-4	Isolated (interstate or intrastate) waters, including isolated wetlands	-	1982.95944
<b>Total:</b>		<b>0</b>	<b>2711.39352</b>

**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	Delineation Report	-
--Data sheets prepared/submitted by or on behalf of the applicant/consultant	-	-
----Office concurs with data sheets/delineation report	-	-
--U.S. Geological Survey Hydrologic Atlas	-	-
--U.S. Geological Survey map(s).	-	-
--State/Local wetland inventory map(s):	ADID	-
--FEMA/FIRM maps	-	-

--Other information

2 Foot Contours -

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

Not Applicable.

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

<sup>2</sup>-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).

<sup>3</sup>-Supporting documentation is presented in Section III.F.

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

<sup>5</sup>-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.

<sup>6</sup>-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.

<sup>7</sup>-Ibid

<sup>8</sup>-See Footnote #3.

<sup>9</sup>-To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.

<sup>10</sup>-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):** 18-Oct-2011

**B. DISTRICT OFFICE, FILE NAME, AND NUMBER:** Chicago District, LRC-2011-00728-JD1

**C. PROJECT LOCATION AND BACKGROUND INFORMATION:**

State : IL - Illinois  
 County/parish/borough: DuPage  
 City: Willowbrook  
 Lat: 41.74616  
 Long: -87.93792  
 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: 14-Dec-2011

Field Determination Date(s): 13-Dec-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:<sup>1</sup>**

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

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

**Area:** (m<sup>2</sup>)

**Linear:** (m)

**c. Limits (boundaries) of jurisdiction:****based on:****OHWM Elevation:** (if known)**2. Non-regulated waters/wetlands:<sup>3</sup>**

**Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional. Explain:**  
The subject wetland does not drain off-site other than in extreme rain events to overcome topography and go into a roadside ditch of I-55, which is otherwise dry. There is no significant nexus to the flowing water of the U.S. about 1/2 mile to the north, so it is 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:<sup>5</sup>****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:<sup>8</sup>**  
 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:<sup>9</sup>**  
 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:<sup>10</sup>**

Waters Name	Interstate\Foreign Travelers	Fish/Shellfish Commerce	Industrial Commerce	Interstate Isolated	Explain	Other Factors	Explain
Wetland 1	-	-	-	-	-	-	-

**Identify water body and summarize rationale supporting determination:**

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

**Provide estimates for jurisdictional waters in the review area:**

Water Name	Type	Size (Linear) (m)	Size (Area) (m <sup>2</sup> )
Wetland 1	Isolated (interstate or intrastate) waters, including isolated wetlands	-	2630.4564
<b>Total:</b>		<b>0</b>	<b>2630.4564</b>

**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 <sup>2</sup> )
Wetland 1	Isolated (interstate or intrastate) waters, including isolated wetlands	-	2630.4564
<b>Total:</b>		<b>0</b>	<b>2630.4564</b>

**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	ERA, Inc.	August 30, 2011 Wetland Delineation Report.
--Data sheets prepared/submitted by or on behalf of the applicant/consultant	-	-
---Office concurs with data sheets/delineation report	-	-
--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.	-	-
--National wetlands inventory map(s).	-	-
--Photographs	-	-
---Aerial	-	-
--Applicable/supporting case law	-	-
--Other information	-	-

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

Description

Site visit on December 13, 2011 to walk site and off-site ditch.

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

<sup>2</sup>-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).

<sup>3</sup>-Supporting documentation is presented in Section III.F.

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

<sup>5</sup>-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.

<sup>6</sup>-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.

<sup>7</sup>-Ibid.

<sup>8</sup>-See Footnote #3.

<sup>9</sup>-To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.

<sup>10</sup>-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):** 01-Dec-2011

**B. DISTRICT OFFICE, FILE NAME, AND NUMBER:** Chicago District, LRC-2011-00668-JD1

**C. PROJECT LOCATION AND BACKGROUND INFORMATION:**

**State :** IL - Illinois  
**County/parish/borough:** Will  
**City:**  
**Lat:** 41.65342  
**Long:** -88.19756  
**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:**  
**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:  
 Field Determination Date(s): 15-Dec-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:<sup>1</sup>**

Water Name	Water Type(s) Present
Wetland 1 - Man-made, Farmed Wetland	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:** .13 (m<sup>2</sup>)  
**Linear:** (m)

**c. Limits (boundaries) of jurisdiction:****based on:****OHWM Elevation:** (if known)**2. Non-regulated waters/wetlands:**<sup>3</sup>

**Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional. Explain:**  
The farmed wetlands located on the subject property are isolated and do not drain into any tributary that flows into a navigable waters of the U.S.

**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:**<sup>5</sup>**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:<sup>8</sup>**  
 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:<sup>9</sup>**  
 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:<sup>10</sup>**

Waters Name	Interstate\Foreign Travelers	Fish/Shellfish Commerce	Industrial Commerce	Interstate Isolated	Explain	Other Factors	Explain
Wetland 1 - Man-made, Farmed Wetland	-	-	-	-	-	-	-

Wetland 2

**Identify water body and summarize rationale supporting determination:**

Water Name	Adjacent To TNW Rationale	TNW Rationale
Wetland 1 - Man-made, Farmed Wetland	-	-
Wetland 2	-	-

**Provide estimates for jurisdictional waters in the review area:**

Water Name	Type	Size (Linear) (m)	Size (Area) (m <sup>2</sup> )
Wetland 1 - Man-made, Farmed Wetland	Isolated (interstate or intrastate) waters, including isolated wetlands	-	526.09128
Wetland 2	Isolated (interstate or intrastate) waters, including isolated wetlands	-	161.87424
<b>Total:</b>		<b>0</b>	<b>687.96552</b>

**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:**

Not Applicable.

**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	-	-
---Office concurs with data sheets/delineation report	-	-
--U.S. Geological Survey Hydrologic Atlas	-	-
---USGS NHD data	-	-
--National wetlands inventory map(s).	-	-
--State/Local wetland inventory map(s):	-	-
--Photographs	-	-
---Aerial	-	-

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

Not Applicable.

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

<sup>2</sup>-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).

<sup>3</sup>-Supporting documentation is presented in Section III.F.

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

<sup>5</sup>-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.

<sup>6</sup>-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.

<sup>7</sup>-Ibid.

<sup>8</sup>-See Footnote #3.

<sup>9</sup>-To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.

<sup>10</sup>-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.