

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

**SECTION I: BACKGROUND INFORMATION**

**A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD):** 16-Oct-2012

**B. DISTRICT OFFICE, FILE NAME, AND NUMBER:** New York District, NAN-2007-00549-JD1

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

State : NY - New York  
 County/parish/borough: Orange  
 City: Cornwall  
 Lat: 41.449  
 Long: -74.04  
 Universal Transverse Mercator: Folder UTM List  
 UTM list determined by folder location  
 • NAD83 / UTM zone 18N  
 Waters UTM List  
 UTM list determined by waters location  
 • NAD83 / UTM zone 18N  
 Name of nearest waterbody: Unnamed tributary to Moodna Creek  
 Name of nearest Traditional Navigable Water (TNW): Moodna Creek  
 Name of watershed or Hydrologic Unit Code (HUC): 02020008

- 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):  12-Sep-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:**<sup>1</sup>

Water Name	Water Type(s) Present
Wetland A	Wetlands directly abutting RPWs that flow directly or indirectly into TNWs

**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:

**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: 928 square miles  
 Drainage area: 46 acres  
 Average annual rainfall: 50.55 inches  
 Average annual snowfall: 30.8 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** 1-2 river miles from TNW.

**Project waters are** 1 (or less) river miles from RPW.

**Project Waters are** 1 (or less) aerial (straight) miles from TNW.

**Project waters are** 1 (or less) aerial(straight) miles from RPW.

- Project waters cross or serve as state boundaries.

**Explain:**  
 No

**Identify flow route to TNW:**<sup>5</sup>

Wetland A includes the channel of a seasonal, unnamed tributary to Moodna Creek, which flows south, off site, into a perennial unnamed tributary to Moodna Creek, then directly into Moodna Creek, which is a TNW.

**Tributary Stream Order, if known:**  
Not Applicable.

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

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

**Primary tributary substrate composition:**  
Not Applicable.

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

**(c) Flow:**  
Not Applicable.

**Surface Flow is:**  
Not Applicable.

**Subsurface Flow:**  
Not Applicable.

**Tributary has:**  
Not Applicable.

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

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

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

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

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

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

**(i) Physical Characteristics:**

**(a) General Wetland Characteristics:**

**Properties:**

Wetland Name	Size (Acres)	Wetland Type	Wetland Quality	Cross or Serve as State Boundaries. Explain
Wetland A	3.91	Forested	Good	No

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

**Flow is:**

Wetland Name	Flow	Explain
Wetland A	Intermittent flow.	-

**Surface flow is:**

Wetland Name	Flow	Characteristics
Wetland A	Discrete and confined	-

**Subsurface flow:**

Wetland Name	Subsurface Flow	Explain Findings	Dye (or other) Test
Wetland A	-	-	-

**(c) Wetland Adjacency Determination with Non-TNW:**

Wetland Name	Directly Abutting	Discrete Wetland Hydrologic Connection	Ecological Connection	Separated by Berm/Barrier
Wetland A	Yes	-	-	-

**(d) Proximity (Relationship) to TNW:**

Wetland Name	River Miles From TNW	Aerial Miles From TNW	Flow Direction	Within Floodplain
Wetland A	1-2	1 (or less)	Wetland to navigable waters	100 - 500-year

**(ii) Chemical Characteristics:**

**Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).**

Wetland Name	Explain	Identify specific pollutants, if known
Wetland A	-	-

**(iii) Biological Characteristics. Wetland supports:**

Wetland Name	Riparian Buffer	Characteristics	Vegetation	Explain
Wetland A	-	-	X	Forested/90%

**Habitat for:**

Wetland Name	Habitat	Federally Listed Species	Explain Findings	Spawn Area	Explain Findings	Other Environmentally Sensitive Species	Explain Findings	Aquatic Wildlife Diversity	Explain Findings
Wetland A	X	X	Potential habitat for endangered Indiana bat.	-	-	-	-	-	-

**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.

Findings for: **Wetland A**

Wetland A and the seasonal stream that it directly abuts, can retain, convert, and cycle the pollutants from nearby roads and homes that would otherwise directly enter the TNW. Furthermore, during large storm events, the wetlands can serve as flood storage areas.

**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.**

Wetland Name	Flow	Explain
Wetland A	SEASONAL	Water within this wetland flows south, within the channel of a seasonal unnamed tributary to Moodna Creek. Aerial photography, field observations clearly showing the on-site seasonal stream, annual rainfall of 50.55 inches, and annual snowfall of 30.8 inches indicate that the on-site stream flows at least 3 consecutive months.

**Provide acreage estimates for jurisdictional wetlands in the review area:**

Wetland Name	Type	Size (Linear) (m)	Size (Area) (m <sup>2</sup> )
Wetland A	Wetlands directly abutting RPWs that flow directly or indirectly into TNWs	-	15835.347528
<b>Total:</b>		<b>0</b>	<b>15835.347528</b>

**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>**

Not Applicable.

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

Not Applicable.

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

Not Applicable.

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

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

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

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 map(s).	Cornwall, NY	-
--USDA Natural Resources Conservation Service Soil Survey.	Orange County, NY	-
--National wetlands inventory map(s).	Cornwall, NY	-
--State/Local wetland inventory map(s):	Cornwall, NY	-
--Photographs	-	-
---Aerial	-	-
---Other	-	-
--Previous determination(s).	Jurisdictional Determination	Jurisdictional determination issued December 19, 2007

**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

**SECTION I: BACKGROUND INFORMATION**

**A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD):** 16-Oct-2012

**B. DISTRICT OFFICE, FILE NAME, AND NUMBER:** New York District, NAN-2007-00549-JD2

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

State : NY - New York  
 County/parish/borough: Orange  
 City: Cornwall  
 Lat: 41.449  
 Long: -74.04  
 Universal Transverse Mercator: Folder UTM List  
 UTM list determined by folder location  
 • NAD83 / UTM zone 18N  
 Waters UTM List  
 UTM list determined by waters location  
 • NAD83 / UTM zone 18N  
 Name of nearest waterbody: Unnamed tributary to Moodna Creek  
 Name of nearest Traditional Navigable Water (TNW): Moodna Creek  
 Name of watershed or Hydrologic Unit Code (HUC): 02020008

- 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):  12-Sep-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:<sup>1</sup>**

Water Name	Water Type(s) Present
Wetland B	Wetlands directly abutting RPWs that flow directly or indirectly into TNWs

**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:

**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: 928 square miles  
 Drainage area: 138 acres  
 Average annual rainfall: 50.55 inches  
 Average annual snowfall: 30.8 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** 1 (or less) river miles from TNW.

**Project waters are** 1 (or less) river miles from RPW.

**Project Waters are** 1 (or less) aerial (straight) miles from TNW.

**Project waters are** 1 (or less) aerial(straight) miles from RPW.

- Project waters cross or serve as state boundaries.

**Explain:**  
 No

**Identify flow route to TNW:<sup>5</sup>**

Wetland B flows northwest, just off site and into a seasonal unnamed tributary to Moodna Creek, then directly into Moodna Creek, which is a TNW.

**Tributary Stream Order, if known:**  
Not Applicable.

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

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

**Primary tributary substrate composition:**  
Not Applicable.

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

**(c) Flow:**  
Not Applicable.

**Surface Flow is:**  
Not Applicable.

**Subsurface Flow:**  
Not Applicable.

**Tributary has:**  
Not Applicable.

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

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

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

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

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

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

**(i) Physical Characteristics:**

**(a) General Wetland Characteristics:**

**Properties:**

Wetland Name	Size (Acres)	Wetland Type	Wetland Quality	Cross or Serve as State Boundaries. Explain
Wetland B	1.4	Forested	Good	No

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

**Flow is:**

Wetland Name	Flow	Explain
Wetland B	Intermittent flow.	-

**Surface flow is:**

Wetland Name	Flow	Characteristics
Wetland B	Discrete	-

**Subsurface flow:**

Wetland Name	Subsurface Flow	Explain Findings	Dye (or other) Test
Wetland B	-	-	-

**(c) Wetland Adjacency Determination with Non-TNW:**

Wetland Name	Directly Abutting	Discrete Wetland Hydrologic Connection	Ecological Connection	Separated by Berm/Barrier
Wetland B	Yes	-	-	-

**(d) Proximity (Relationship) to TNW:**

Wetland Name	River Miles From TNW	Aerial Miles From TNW	Flow Direction	Within Floodplain
Wetland B	1 (or less)	1 (or less)	Wetland to navigable waters	500-year or greater

**(ii) Chemical Characteristics:**

**Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).**

Wetland Name	Explain	Identify specific pollutants, if known
Wetland B	-	-

**(iii) Biological Characteristics. Wetland supports:**

Wetland Name	Riparian Buffer	Characteristics	Vegetation	Explain
Wetland B	-	-	X	Forested/90%

**Habitat for:**

Wetland Name	Habitat	Federally Listed Species	Explain Findings	Spawn Area	Explain Findings	Other Environmentally Sensitive Species	Explain Findings	Aquatic Wildlife Diversity	Explain Findings
Wetland B	X	X	Potential habitat for endangered Indiana bat.	-	-	-	-	-	-

**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.

Findings for: **Wetland B**

Wetland B and the seasonal stream that it directly abuts, can retain, convert, and cycle the pollutants from nearby roads and homes that would otherwise directly enter the TNW. Furthermore, during large storm events, the wetlands can serve as flood storage areas.

**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.**

Wetland Name	Flow	Explain
Wetland B	SEASONAL	Water within this wetland flows northwest, just off site, then within the channel of a seasonal unnamed tributary to Moodna Creek. Aerial photography, field observations clearly showing the on-site seasonal stream, annual rainfall of 50.55 inches, and annual snowfall of 30.8 inches indicate that the on-site stream flows at least 3 consecutive months.

**Provide acreage estimates for jurisdictional wetlands in the review area:**

Wetland Name	Type	Size (Linear) (m)	Size (Area) (m <sup>2</sup> )
Wetland B	Wetlands directly abutting RPWs that flow directly or indirectly into TNWs	-	5669.645256
<b>Total:</b>		<b>0</b>	<b>5669.645256</b>

**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>**  
Not Applicable.

**Identify water body and summarize rationale supporting determination:**  
Not Applicable.

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

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

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

**Provide acreage estimates for non-jurisdictional waters in the review area, where the sole potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment:**  
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 map(s).	Cornwall, NY	-
--USDA Natural Resources Conservation Service Soil Survey.	Orange County, NY	-
--National wetlands inventory map(s).	Cornwall, NY	-
--State/Local wetland inventory map(s):	Cornwall, NY	-
--Photographs	-	-
---Aerial	-	-
---Other	-	-
--Previous determination(s).	Jurisdictional Determination	Jurisdictional determination issued December 19, 2007

**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

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): 16-Oct-2012

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: New York District, NAN-2007-00549-JD3

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State : NY - New York  
 County/parish/borough: Orange  
 City: Cornwall  
 Lat: 41.449  
 Long: -74.04  
 Universal Transverse Mercator: Folder UTM List  
 UTM list determined by folder location  
 • NAD83 / UTM zone 18N  
 Waters UTM List  
 UTM list determined by waters location  
 • NAD83 / UTM zone 18N  
 Name of nearest waterbody: Unnamed tributary to Moodna Creek  
 Name of nearest Traditional Navigable Water (TNW): Moodna Creek  
 Name of watershed or Hydrologic Unit Code (HUC): 02020008

- 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):  12-Sep-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:<sup>1</sup>

Water Name	Water Type(s) Present
Wetland C	Isolated (interstate or intrastate) waters, including isolated wetlands
Wetland F	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 C is isolated, located approximately 3,000 feet from and 80 feet higher in elevation than Moodna Creek, the nearest waters of the U.S., in direction of flow, with no hydrologic connection. Wetland F is isolated, located approximately 250 feet from and 6 feet higher in elevation than Wetland E, the nearest waters of the U.S., with no hydrologic connection.

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 C	-	-	-	-	-	-	-
Wetland F	-	-	-	-	-	-	-

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

Water Name	Adjacent To TNW Rationale	TNW Rationale
Wetland C	-	-
Wetland F	-	-

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

Water Name	Type	Size (Linear) (m)	Size (Area) (m <sup>2</sup> )
Wetland C	Isolated (interstate or intrastate) waters, including isolated wetlands	-	14532.259896
Wetland F	Isolated (interstate or intrastate) waters, including isolated wetlands	-	4131.839976
<b>Total:</b>		<b>0</b>	<b>18664.099872</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):

There are no features within Wetlands C or F which are or could be used by interstate or foreign travelers for recreational or other purposes. There are no areas from which fish or shellfish can be or are taken and sold in interstate or foreign commerce. There are no areas which are or could be used for industrial purpose by industries in interstate commerce. Consequently, there does not appear to be a reasonable nexus with interstate commerce. Also, the use, degradation or loss of Wetlands C or F will not affect other waters of the U.S. or affect interstate or foreign commerce.

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

Water Name	Type	Size (Linear) (m)	Size (Area) (m <sup>2</sup> )
Wetland C	Isolated (interstate or intrastate) waters, including isolated wetlands	-	14532.259896
Wetland F	Isolated (interstate or intrastate) waters, including isolated wetlands	-	4131.839976
<b>Total:</b>		<b>0</b>	<b>18664.099872</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	-	-
--Data sheets prepared/submitted by or on behalf of the applicant/consultant	-	-
---Office concurs with data sheets/delineation report	-	-
--U.S. Geological Survey map(s).	Cornwall, NY	-
--USDA Natural Resources Conservation Service Soil Survey.	Orange County, NY	-
--National wetlands inventory map(s).	Cornwall, NY	-
--State/Local wetland inventory map(s):	Cornwall, NY	-
--Photographs	-	-
---Aerial	-	-
---Other	-	-
--Previous determination(s).	Jurisdictional Determination	Jurisdictional determination issued December 19, 2007

**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

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): 16-Oct-2012

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: New York District, NAN-2007-00549-JD4

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State : NY - New York  
 County/parish/borough: Orange  
 City: Cornwall  
 Lat: 41.449  
 Long: -74.04  
 Universal Transverse Mercator: Folder UTM List  
 UTM list determined by folder location  
 • NAD83 / UTM zone 18N  
 Waters UTM List  
 UTM list determined by waters location  
 • NAD83 / UTM zone 18N  
 Name of nearest waterbody: Unnamed tributary to Moodna Creek  
 Name of nearest Traditional Navigable Water (TNW): Moodna Creek  
 Name of watershed or Hydrologic Unit Code (HUC): 02020008

- 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):  12-Sep-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:<sup>1</sup>

Water Name	Water Type(s) Present
Wetland D	Wetlands directly abutting RPWs that flow directly or indirectly into TNWs

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:

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: 928 square miles  
 Drainage area: 46 acres  
 Average annual rainfall: 50.55 inches  
 Average annual snowfall: 30.8 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 1-2 river miles from TNW.

Project waters are 1 (or less) river miles from RPW.

Project Waters are 1 (or less) aerial (straight) miles from TNW.

Project waters are 1 (or less) aerial(straight) miles from RPW.

- Project waters cross or serve as state boundaries.

Explain:  
 No

Identify flow route to TNW:<sup>5</sup>

Wetland D flows southeast, off site, directly into the channel of a seasonal unnamed tributary to Moodna Creek, then into the same perennial unnamed tributary that Wetland A flows to, then directly into Moodna Creek, which is a TNW.

**Tributary Stream Order, if known:**  
Not Applicable.

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

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

**Primary tributary substrate composition:**  
Not Applicable.

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

**(c) Flow:**  
Not Applicable.

**Surface Flow is:**  
Not Applicable.

**Subsurface Flow:**  
Not Applicable.

**Tributary has:**  
Not Applicable.

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

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

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

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

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

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

**(i) Physical Characteristics:**

**(a) General Wetland Characteristics:**

**Properties:**

Wetland Name	Size (Acres)	Wetland Type	Wetland Quality	Cross or Serve as State Boundaries. Explain
Wetland D	3.7	Forested	Good	No

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

**Flow is:**

Wetland Name	Flow	Explain
Wetland D	Intermittent flow.	-

**Surface flow is:**

Wetland Name	Flow	Characteristics
Wetland D	Discrete	-

**Subsurface flow:**

Wetland Name	Subsurface Flow	Explain Findings	Dye (or other) Test
Wetland D	-	-	-

**(c) Wetland Adjacency Determination with Non-TNW:**

Wetland Name	Directly Abutting	Discrete Wetland Hydrologic Connection	Ecological Connection	Separated by Berm/Barrier
Wetland D	Yes	-	-	-

**(d) Proximity (Relationship) to TNW:**

Wetland Name	River Miles From TNW	Aerial Miles From TNW	Flow Direction	Within Floodplain
Wetland D	1-2	1 (or less)	Wetland to navigable waters	100 - 500-year

**(ii) Chemical Characteristics:**

**Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).**

Wetland Name	Explain	Identify specific pollutants, if known
Wetland D	-	-

**(iii) Biological Characteristics. Wetland supports:**

Wetland Name	Riparian Buffer	Characteristics	Vegetation	Explain
Wetland D	-	-	X	Forested/90%

**Habitat for:**

Wetland Name	Habitat	Federally Listed Species	Explain Findings	Spawn Area	Explain Findings	Other Environmentally Sensitive Species	Explain Findings	Aquatic Wildlife Diversity	Explain Findings
Wetland D	X	X	Potential habitat for endangered Indiana bat.	-	-	-	-	-	-

**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.

Findings for: **Wetland D**

Wetland D and the seasonal stream that it directly abuts, can retain, convert, and cycle the pollutants from nearby roads and homes that would otherwise directly enter the TNW. Furthermore, during large storm events, the wetlands can serve as flood storage areas.

**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.**

Wetland Name	Flow	Explain
Wetland D	SEASONAL	Water within this wetland flows southeast, within the channel of a seasonal unnamed tributary to Moodna Creek. Aerial photography, field observations clearly showing the off-site seasonal stream, annual rainfall of 50.55 inches, and annual snowfall of 30.8 inches indicate that the off-site stream flows at least 3 consecutive months.

**Provide acreage estimates for jurisdictional wetlands in the review area:**

Wetland Name	Type	Size (Linear) (m)	Size (Area) (m <sup>2</sup> )
Wetland D	Wetlands directly abutting RPWs that flow directly or indirectly into TNWs	-	14965.273488
<b>Total:</b>		<b>0</b>	<b>14965.273488</b>

**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>**

Not Applicable.

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

Not Applicable.

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

Not Applicable.

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

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

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

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 map(s).	Cornwall, NY	-
--USDA Natural Resources Conservation Service Soil Survey.	Orange County, NY	-
--National wetlands inventory map(s).	Cornwall, NY	-
--State/Local wetland inventory map(s):	Cornwall, NY	-
--Photographs	-	-
---Aerial	-	-
---Other	-	-
--Previous determination(s).	Jurisdictional Determination	Jurisdictional determination issued December 19, 2007

**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

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): 16-Oct-2012

B. DISTRICT OFFICE, FILE NAME, AND NUMBER: New York District, NAN-2007-00549-JD5

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State : NY - New York  
 County/parish/borough: Orange  
 City: Cornwall  
 Lat: 41.449  
 Long: -74.04  
 Universal Transverse Mercator: Folder UTM List  
 UTM list determined by folder location  
 • NAD83 / UTM zone 18N  
 Waters UTM List  
 UTM list determined by waters location  
 • NAD83 / UTM zone 18N  
 Name of nearest waterbody: Unnamed tributary to Moodna Creek  
 Name of nearest Traditional Navigable Water (TNW): Moodna Creek  
 Name of watershed or Hydrologic Unit Code (HUC): 02020008

- 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):  12-Sep-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:<sup>1</sup>

Water Name	Water Type(s) Present
Wetland E	Wetlands directly abutting RPWs that flow directly or indirectly into TNWs

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:

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: 928 square miles  
 Drainage area: 15 acres  
 Average annual rainfall: 50.55 inches  
 Average annual snowfall: 30.8 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 1 (or less) river miles from TNW.  
 Project waters are 1 (or less) river miles from RPW.  
 Project Waters are 1 (or less) aerial (straight) miles from TNW.  
 Project waters are 1 (or less) aerial(straight) miles from RPW.

- Project waters cross or serve as state boundaries.

Explain:  
 No

Identify flow route to TNW:<sup>5</sup>

Wetland E flows northwest, within the channel of a seasonal unnamed tributary to Moodna Creek, then directly into Moodna Creek, which is a TNW.

**Tributary Stream Order, if known:**  
Not Applicable.

**(b) General Tributary Characteristics:**

**Tributary is:**  
Not Applicable.

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

**Primary tributary substrate composition:**  
Not Applicable.

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

**(c) Flow:**  
Not Applicable.

**Surface Flow is:**  
Not Applicable.

**Subsurface Flow:**  
Not Applicable.

**Tributary has:**  
Not Applicable.

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

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

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

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

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

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

**(i) Physical Characteristics:**

**(a) General Wetland Characteristics:**

**Properties:**

Wetland Name	Size (Acres)	Wetland Type	Wetland Quality	Cross or Serve as State Boundaries. Explain
Wetland E	.52	Forested	Good	No

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

**Flow is:**

Wetland Name	Flow	Explain
Wetland E	Intermittent flow.	-

**Surface flow is:**

Wetland Name	Flow	Characteristics
Wetland E	Discrete and confined	-

**Subsurface flow:**

Wetland Name	Subsurface Flow	Explain Findings	Dye (or other) Test
Wetland E	-	-	-

**(c) Wetland Adjacency Determination with Non-TNW:**

Wetland Name	Directly Abutting	Discrete Wetland Hydrologic Connection	Ecological Connection	Separated by Berm/Barrier
Wetland E	Yes	-	-	-

**(d) Proximity (Relationship) to TNW:**

Wetland Name	River Miles From TNW	Aerial Miles From TNW	Flow Direction	Within Floodplain
Wetland E	1 (or less)	1 (or less)	Wetland to navigable waters	500-year or greater

**(ii) Chemical Characteristics:**

Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).

Wetland Name	Explain	Identify specific pollutants, if known
Wetland E	-	-

**(iii) Biological Characteristics. Wetland supports:**

Wetland Name	Riparian Buffer	Characteristics	Vegetation	Explain
Wetland E	-	-	X	Forested/90%

**Habitat for:**

Wetland Name	Habitat	Federally Listed Species	Explain Findings	Spawn Area	Explain Findings	Other Environmentally Sensitive Species	Explain Findings	Aquatic Wildlife Diversity	Explain Findings
Wetland E	X	X	Potential habitat for endangered Indiana bat.	-	-	-	-	-	-

**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.

Findings for: **Wetland E**

Wetland E and the seasonal stream that it directly abuts, can retain, convert, and cycle the pollutants from nearby roads and homes that would otherwise directly enter the TNW. Furthermore, during large storm events, the wetlands can serve as flood storage areas.

**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.**

Wetland Name	Flow	Explain
Wetland E	SEASONAL	Water within this wetland flows northwest, within the channel of a seasonal unnamed tributary to Moodna Creek. Aerial photography, field observations clearly showing the on-site seasonal stream, annual rainfall of 50.55 inches, and annual snowfall of 30.8 inches indicate that the on-site stream flows at least 3 consecutive months.

**Provide acreage estimates for jurisdictional wetlands in the review area:**

Wetland Name	Type	Size (Linear) (m)	Size (Area) (m <sup>2</sup> )
Wetland E	Wetlands directly abutting RPWs that flow directly or indirectly into TNWs	-	2096.271408
<b>Total:</b>		<b>0</b>	<b>2096.271408</b>

**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>**

Not Applicable.

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

Not Applicable.

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

Not Applicable.

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

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

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

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 map(s).	Cornwall, NY	-
--USDA Natural Resources Conservation Service Soil Survey.	Orange County, NY	-
--National wetlands inventory map(s).	Cornwall, NY	-
--State/Local wetland inventory map(s):	Cornwall, NY	-
--Photographs	-	-
---Aerial	-	-
---Other	-	-
--Previous determination(s).	Jurisdictional Determination	Jurisdictional determination issued December 19, 2007

**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.