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

This form should be completed by following the instructions provided in Section IV of the JD Form Instructional Guidebook.

# <u>SECTION I: BACKGROUND INFORMATION</u> A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): September 15, 2015

В.	DISTRICT OFFICE, FILE NAME, AND NUMBER: CENAB-OPR-M 2014-61163-M36 (COPT Frederick LLC/Thatcher Property/Lot Fill)  PROJECT LOCATION AND BACKGROUND INFORMATION:  State: Maryland County/parish/borough: Frederick City: Frederick  Center coordinates of site (lat/long in degree decimal format): Lat. N 39° 28′ 41″, Long. W -77° 23′ 36″  Name of nearest waterbody: Monocacy River  Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: Potomac River  Name of watershed or Hydrologic Unit Code (HUC): Monocacy 02070009  Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.  Check if other sites (e.g., offsite mitigation sites, disposal sites, etc) are associated with this action and are recorded on a different JD form.
D.	REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):  ☐ Office (Desk) Determination. Date:  ☐ Field Determination. Date(s): July 2, 2015
	CTION II: SUMMARY OF FINDINGS RHA SECTION 10 DETERMINATION OF JURISDICTION.
	ere <u>are no</u> "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the iew 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.
The	ere <u>are</u> "waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area. [Required]
	1. Waters of the U.S.  a. Indicate presence of waters of U.S. in review area (check all that apply):  TNWs, including territorial seas Wetlands adjacent to TNWs Relatively permanent waters.  Relatively permanent waters.  Relatively or indirectly or indirectly into TNWs Non-RPWs that flow directly or indirectly into TNWs Wetlands directly abutting RPWs that flow directly or indirectly into TNWs Wetlands adjacent to but not directly abutting RPWs that flow directly or indirectly into TNWs Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs Impoundments of jurisdictional waters Isolated (interstate or intrastate) waters, including isolated wetlands
	b. Identify (estimate) size of waters of the U.S. in the review area:  Non-wetland waters: UNT to Monocacy River; Linear Feet: 2,315 Width: 4-feet  Wetlands: 4.43-acres
	<b>c. Limits (boundaries) of jurisdiction</b> based on: 1987 Delineation Manual Elevation of established OHWM (if known): unknown
	2. Non-regulated waters/wetlands (check if applicable): <sup>3</sup> Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional Explain: N/A

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

<sup>&</sup>lt;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).

Supporting documentation is presented in Section III.F.

#### **SECTION III: CWA ANALYSIS**

#### A. TNWs AND WETLANDS ADJACENT TO TNWs

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

#### 1. TNW

Identify TNW:

Summarize rationale supporting determination:

#### 2. Wetland adjacent to TNW

Summarize rationale supporting conclusion that wetland is "adjacent":

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

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

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

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

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

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

#### (i) General Area Conditions:

Watershed size: 135.1acres Drainage area: 135.1 acres

Average annual rainfall: 40.59-inches Average annual snowfall: 15.4- inches

#### (ii) Physical Characteristics:

(a) Relationship with TNW:

☐ Tributary flows directly into TNW.

Tributary flows through 2 tributaries before entering TNW.

Project waters are 20-25 river miles from TNW.

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

Project waters are 15-20 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>: The ephemeral channel flows through the property to the southeast into the Monocacy River, which flows south to the Potomac River.

<sup>&</sup>lt;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>&</sup>lt;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.

	Tributary stream order, if known: third		
(b)	General Tributary Characteristics (check all that apply):  Tributary is: ☐ Natural ☐ Artificial (man-made). Explain: . ☐ Manipulated (man-altered). Explain: The ephemeral channel flows from a culvert at the edge of the property along US Route 15. The channel flows through an active agricultural field.		
	Tributary properties with respect to top of bank (estimate):  Average width: 4-feet  Average depth: 0.1-feet  Average side slopes: Vertical (1:1 or less).		
	Primary tributary substrate composition (check all that apply):  Silts Sands Concrete Cobbles Gravel Muck Bedrock Vegetation. Type/% cover: Reed Canary Grass/100% Other. Explain:		
	Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain: Presence of run/riffle/pool complexes. Explain: No Tributary geometry: Relatively straight Tributary gradient (approximate average slope): <1%		
(c)	Flow: Tributary provides for: Ephemeral flow Estimate average number of flow events in review area/year: 20 (or greater) Describe flow regime: The channel collects runoff from rain events from the subject property and neighboring property to the west. The channel flows to the southeast until its confluence with the Monocacy River. Other information on duration and volume:		
	Surface flow is: <b>Discrete.</b> Characteristics: .		
	Subsurface flow: No. Explain findings:  Dye (or other) test performed:		
	Tributary has (check all that apply):  Bed and banks  OHWM.6 (check all indicators that apply):  clear, natural line impressed on the bank changes in the character of soil destruction of terrestrial vegetation shelving destruction of terrestrial vegetation the presence of wrack line sediment sorting sediment sorting sediment deposition multiple observed or predicted flow events abrupt change in plant community other (list):  Discontinuous OHWM.7 Explain:		
	If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply):    High Tide Line indicated by:		
Chemical Characteristics:  Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).  Explain: Water was not present during the site visit; however, there was evidence of a recent flow event. Vegetation			

Explain: Water was not present during the site visit; however, there was evidence of a recent flow event. Vegetation

<sup>(</sup>iii)

<sup>&</sup>lt;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.

within the channel was bent, debris wrack lines were present, and there was sediment staining on the vegetation. The channel takes runoff from two adjacent agricultural properties and U.S. Route 15.

Identify specific pollutants, if known: The types of pollutants one could reasonably expect through this tributary would include sediment, agricultural pollutants, including fertilizers, and petroleum products from the adjacent road network.

(iv)	Bio	logical Characteristics. Channel supports (check all that apply):
	님	Riparian corridor. Characteristics (type, average width):
		Wetland fringe. Characteristics: . Habitat for:
		Federally Listed species. Explain findings:
		Fish/spawn areas. Explain findings:
		Other environmentally-sensitive species. Explain findings:
		Aquatic/wildlife diversity. Explain findings: The area most likely provides for a foraging, cover, and movement
		corridor for small to medium birds and mammals; wildlife was noted using the subject site during the site visit, including
		birds and deer.
Cha	aract	teristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW
(i)		ysical Characteristics:
	(a)	General Wetland Characteristics:
		Properties:
		Wetland size: acres
		Wetland type. Explain: Wetland quality. Explain:
		Project wetlands cross or serve as state boundaries. Explain:
		Troject wedands cross of serve as state obtainances. Explain.
	(b)	
		Flow is: <b>Pick List</b> . Explain: .
		Confere Consist Dist. I int
		Surface flow is: Pick List Characteristics:
		Characteristics.
		Subsurface flow: Pick List. Explain findings: .
		Dye (or other) test performed:
	(c)	Wetland Adjacency Determination with Non-TNW:
		☐ Directly abutting ☐ Not directly abutting
		Discrete wetland hydrologic connection. Explain:
		Ecological connection. Explain:
		Separated by berm/barrier. Explain:
	(d)	Proximity (Relationship) to TNW
		Project wetlands are <b>Pick List</b> river miles from TNW.  Project waters are <b>Pick List</b> aerial (straight) miles from TNW.
		Flow is from: Pick List.
		Estimate approximate location of wetland as within the <b>Pick List</b> floodplain.
		··
(ii)		emical Characteristics:
	Cha	aracterize wetland system (e.g., water color is clear, brown, oil film on surface; water quality; general watershed
	Ido	characteristics; etc.). Explain: ntify specific pollutants, if known:
	iuei	intry specific polititatis, it known.
(iii	) Bio	logical Characteristics. Wetland supports (check all that apply):
		Riparian buffer. Characteristics (type, average width):
		Vegetation type/percent cover. Explain: .
	Ш	Habitat for:
		Federally Listed species. Explain findings:  Fish/spawn areas. Explain findings:
		Other environmentally-sensitive species. Explain findings:
		Aquatic/wildlife diversity. Explain findings:
Cha		teristics of all wetlands adjacent to the tributary (if any)
		wetland(s) being considered in the cumulative analysis: <b>Pick List</b> proximately ( ) acres in total are being considered in the cumulative analysis.
	App	proximatery ( ) acres in total are being considered in the culturative aliarysis.

2.

3.

For each wetland, specify the following:

Summarize overall biological, chemical and physical functions being performed:

#### C. SIGNIFICANT NEXUS DETERMINATION

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

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

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

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

- 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNWs. Explain findings of presence or absence of significant nexus below, based on the tributary itself, then go to Section III.D:
- 2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNWs. Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D: The on-site ephemeral channel is approximately 4-feet wide. The presence of reed canary grass within the channel helps keep it stable and removes sediment prior to its confluence with the Monocacy River. The following geomorphology was absent: depositional bars or benches, braided channels, and grade controls. There were no citings of crayfish, fish, snails, amphibians, or wetland vegetation in the channel due to the lack of baseflow. The ephemeral channel is located, for the most part, through the existing agricultural field before it flows through a forested wetland area, and eventually into the Monocacy River.

Aquatic Life (Organisms): There was no aquatic life or indicators of aquatic life within the channel due to the lack of a base flow. There was also no flow in the channel during the site visit. Although the presence of sediment staing on vegetation, bent over vegetation, and debris lines indicated that the Monocacy River had recently overflowed its banks.

Habitat for Wildlife: A detailed assessment of the quality of wildlife habitat was not performed. The channel may provide a foraging, cover, and movement corridor for small to medium birds and mammals; deer were noted on the project site during the site visit.

Support Nutrient Cycling: The area of review supports nutrient cycling. The grass-lined channel manages the nutrients from the adjacent agricultural land by removing fertilizers prior to entering the Monocacy River.

Sediment Transport: The channel carries sediment from the adjcent roadway, neighboring property to the wets and the subject site. The channel is very stable, most likley due to the presence of the grass throughout its length. Although the presence of the grass in the channel helps reduce the sediment load entering the Monocacy River, sediment most likley still enters the receiving waters from the channel.

Pollution Trapping: The ephemeral channel is most likely removing a great deal of sediment and agricultural fertilizers before draining to the Monocacy River. The presence of reed canary grass throughout the entire channel for its length and width helps with this function.

Water Quality Improvements: As stated, the channel does have vegetative cover to trap and uptake pollutants.

Temperature: The vegetative cover within the channel helps control and maintain the temperatures of any water in the channel. There is no overstory to control temperatures until the channel is closer to the banks of the Monocacy River.

Flood Storage: There is some opportunity for the ephemeral channel to provide this function. The channel is very stable but not very deep. The channel is used as a conduit for flood waters to flow back into the Monocacy River.

Groundwater Discharge: There is no discharge of groundwater into this channel. the channel is stable due to the presence of reed

canary grass and it is not eroding or down-cutting to the point of intercepting groundwater.

Groundwater recharge: The channel does not store enough water to slowly release it for groundwater recharge. The small size of this channel and contributing drainage area would not contribute ample groundwater recharge.

Commerce: The ephemeral channel, on private property, has no recreational opportunities because of its small size and lack of baseflow. It does flow into a TNW which does support fishing opportunities downstream and boating in upstream and downstream areas.

Navigation: The ephemeral channel is not navigable, but flows into a TNW.

Recreation: The channel, on private property, has no recreational opportunities because of its small size and little water flow. Public Health: The water quality funtions of this channel does influence downstream areas and to that extent it may affect public health.

Significant Nexus: Based on the information provided above the ephemeral channel has a significent nexus with the physical, chemical, and biological integrity of the TNW.

3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D: There are two wetland systems located within the 100-year floodplain of the Monocacy River, but not abutting the river. During the site visit, it was noted that the wetlands contained sediment deposits, debris lines, and bent vegetation from a recent overflow event of the river.

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

IН	AI APPLI):
1.	TNWs and Adjacent Wetlands. Check all that apply and provide size estimates in review area:  TNWs: linear feet, width Wetlands adjacent to TNWs:
2.	<ul> <li>RPWs that flow directly or indirectly into TNWs.</li> <li>□ Tributaries of TNWs where tributaries typically flow year-round are jurisdictional. Provide data and rationale indicating that tributary is perennial:</li> <li>□ Tributaries of TNW where tributaries have continuous flow "seasonally" (e.g., typically three months each year) are jurisdictional. Data supporting this conclusion is provided at Section III.B. Provide rationale indicating that tributary flows seasonally:</li> </ul>
	Provide estimates for jurisdictional waters in the review area (check all that apply):  Tributary waters: linear feet; width feet.  Other non-wetland waters: acres.  Identify type(s) of waters: .
3.	Non-RPWs.8 that flow directly or indirectly into TNWs.  Waterbody that is not a TNW or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with a TNW is jurisdictional. Data supporting this conclusion is provided at Section III.C.
	Provide estimates for jurisdictional waters within the review area (check all that apply):  Tributary waters: 2,315 linear feet 4-feet wide  Other non-wetland waters: acres.  Identify type(s) of waters: .
4.	Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.  Wetlands directly abut RPW and thus are jurisdictional as adjacent wetlands.  Wetlands directly abutting an RPW where tributaries typically flow year-round. Provide data and rationale indicating that tributary is perennial in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: The Monocacy River is a perennial stream that flows into the Potomac River. The wetlands within the review area directly abut (i.e., touching) the river along the banks for the entire length of the subject property.
	Wetlands directly abutting an RPW where tributaries typically flow "seasonally." Provide data indicating that tributary is seasonal in Section III.B and rationale in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW:
	Provide acreage estimates for jurisdictional wetlands in the review area: 4.43-acres.

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

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

		Wetlands that do not directly abut an RPW, but when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisidictional. Data supporting this conclusion is provided at Section III.C.  The two wetland systems are located within the 100-year floodplain of the Monocacy River. During the site visit, it was noted that
		the wetlands contained sediment deposits, debris lines, and bent vegetation from a recent overflow event of the river.
		Provide acreage estimates for jurisdictional wetlands in the review area: 0.20-acres.
	6.	Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetlands adjacent to such waters, and have when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.
		Provide estimates for jurisdictional wetlands in the review area: acres.
	7.	Impoundments of jurisdictional waters. <sup>9</sup> As a general rule, the impoundment of a jurisdictional tributary remains jurisdictional.  Demonstrate that impoundment was created from "waters of the U.S.," or
		Demonstrate that water meets the criteria for one of the categories presented above (1-6), or Demonstrate that water is isolated with a nexus to commerce (see E below).
E.	DEC SUC 	LATED [INTERSTATE OR INTRA-STATE] WATERS, INCLUDING ISOLATED WETLANDS, THE USE, GRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY CH WATERS (CHECK ALL THAT APPLY): 10 which are or could be used by interstate or foreign travelers for recreational or other purposes. from which fish or shellfish are or could be taken and sold in interstate or foreign commerce. which are or could be used for industrial purposes by industries in interstate commerce. Interstate isolated waters. Explain: Other factors. Explain:
		ride estimates for jurisdictional waters in the review area (check all that apply):  Tributary waters: linear feet width (ft).  Other non-wetland waters: acres.  Identify type(s) of waters:  Wetlands: acres.
F.		N-JURISDICTIONAL WATERS, INCLUDING WETLANDS (CHECK ALL THAT APPLY):  If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements.  Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce.  Prior to the Jan 2001 Supreme Court decision in "SWANCC," the review area would have been regulated based solely on the "Migratory Bird Rule" (MBR).  Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction. Explain:  Other: (explain, if not covered above):
	facto	ride acreage estimates for non-jurisdictional waters in the review area, where the <u>sole</u> potential basis of jurisdiction is the MBR ors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional ment (check all that apply):  Non-wetland waters (i.e., rivers, streams): linear feet width (ft).  Lakes/ponds: acres.  Other non-wetland waters: acres. List type of aquatic resource:  Wetlands: acres.

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

<sup>&</sup>lt;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.

	vide acreage estimates for non-jurisdictional waters in the review area that do not meet the "Significant Nexus" standard, where such
	ding is required for jurisdiction (check all that apply):  Non-wetland waters (i.e., rivers, streams): linear feet, width (ft).  Lakes/ponds: acres.  Other non-wetland waters: acres. List type of aquatic resource: .  Wetlands: acres.
SUPP and A	Wetlands: acres.  **N IV: DATA SOURCES.**  **PORTING DATA.** Data reviewed for JD (check all that apply - checked items shall be included in case file and, where checked requested, appropriately reference sources below):  Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: American Land Concepts  Data sheets prepared/submitted by or on behalf of the applicant/consultant.  Office concurs with data sheets/delineation report.  Office does not concur with data sheets/delineation report.  Data sheets prepared by the Corps:  Corps navigable waters' study:  U.S. Geological Survey Hydrologic Atlas:  USGS 8 and 12 digit HUC maps.  U.S. Geological Survey map(s). Cite scale & quad name: Online topo map-Frederick Quadrangle (2014)-Scale 1:24000  USDA Natural Resources Conservation Service Soil Survey. Citation: NRCS/Frederick Co. Web Soil Survey  National wetlands inventory map(s). Cite name: online NWI mapper-Frederick, MD  State/Local wetland inventory map(s).  FEMA/FIRM maps:  100-year Floodplain Elevation is: 280-feet (National Geodectic Vertical Datum of 1929)  Photographs:    Aerial (Name & Date):  or   Other (Name & Date):  Previous determination(s). File no. and date of response letter:  Applicable/supporting case law:  Applicable/supporting scientific literature:
$\boxtimes$	Other information (please specify): Site visit July 2, 2015

### B. ADDITIONAL COMMENTS TO SUPPORT JD: