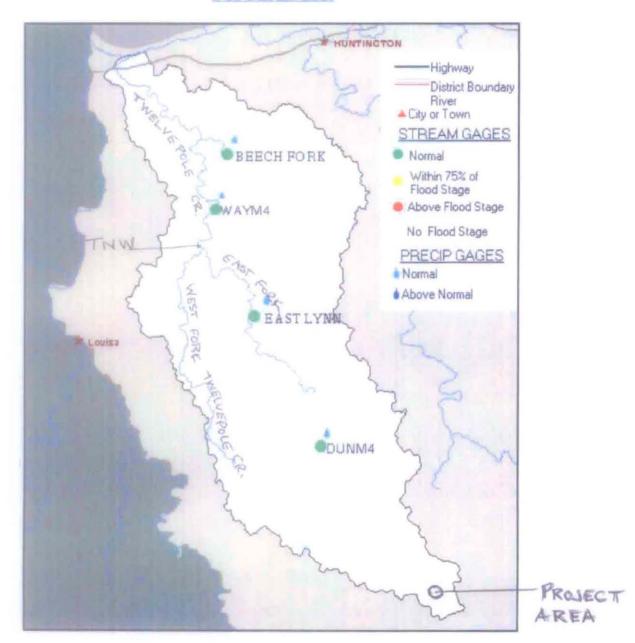
TWELVEPOLE BASIN

08 MAY 2008 (GMT) DISCLAIMER



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.

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD):

| В. | DISTRICT OFFICE, FILE NAME, AND NUMBER: Huntington District, GELRH-OR-F, West Fork Surface Mine, |
|------|--|
| 200 | 07-822-OHR-U/T West Fork Twelvepole Creek, Twelvepole Creek, Perennial. |
| C. | PROJECT LOCATION AND BACKGROUND INFORMATION: RR1-TNW State: West Virginia |
| D. | REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY): Office (Desk) Determination. Date: May 16, 2008 Field Determination. Date(s): |
| SEC | CTION II: SUMMARY OF FINDINGS |
| Α. | RHA SECTION 10 DETERMINATION OF JURISDICTION. |
| | re Are "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in review area. [Required] Waters subject to the ebb and flow of the tide. Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce. Explain: Stream has been used in the past to transport interstate commerce. |
| В. (| CWA SECTION 404 DETERMINATION OF JURISDICTION. |
| The | re Are "waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area. [Required] |
| | a. Indicate presence of waters of U.S. in review area (check all that apply): 31 TNWs, including territorial seas Wetlands adjacent to TNWs Relatively permanent waters 32 (RPWs) that flow directly or indirectly into TNWs Non-RPWs that flow directly or indirectly into TNWs Wetlands directly abutting RPWs that flow directly or indirectly into TNWs Wetlands adjacent to but not directly abutting RPWs that flow directly or indirectly into TNWs Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs Impoundments of jurisdictional waters Isolated (interstate or intrastate) waters, including isolated wetlands |
| | b. Identify (estimate) size of waters of the U.S. in the review area: Non-wetland waters: linear feet: width (ft) and/or acres. Wetlands: acres |

c. Limits (boundaries) of jurisdiction based on: Established by OHWM.

Elevation of established OHWM (if known): .

³¹ Boxes checked below shall be supported by completing the appropriate sections in Section III below.
³² 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).

Non-regulated waters/wetlands (check if applicable): 33
 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

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: TWELVEPOLE CREEK+.

Summarize rationale supporting determination:

- a). Historical documents indicate use of Twelvepole Creek to transport logs and coal. (1) "What Do You Know About Twelve Pole?", Wayne County News, August 27, 1925. This document states that Twelve Pole Creek "was the sole means of transportation for hundreds of thousands of dollars worth of timber which was floated in the pioneer days of this country." (2) "History of East Lynn Community, dated 1927, states: "Many of us can remember when during a freshet the waters of Twelve-pole were black with saw logs". And... "He loaded the coal on a push boat and took it to Wayne Court House" (now Wayne). It is reasonable to assume that at least some of the logs and/or coal was eventually transported across State lines. This demonstrates that all of Twelvepole Creek (up to the forks of East and West Forks of Twelvepole Creek), was used in the past for transportation of interstate commerce.
- b). The West Virginia Division of Natural Resources website lists a "public access site" for boats entering Twelvepole Creek. The site is about 3 miles upstream of the mouth of Twelvepole Creek, and consists of a 1-lane gravel accessway, and a 10-car gravel parking lot. However, no information was found indicating existence of commercial boat traffic on Twelvepole Creek.
- c). USGS stream gauging data for the station located 2 miles north of Wayne WV show daily average stream depths of at least 4 feet or higher (with the exception of 5 days being between 3.86 and 3.99 feet. This helps demonstrate the stream's capability for navigation of logs and coal.
- d) As per Appendix D, the "Traditional Navigable Waters" include all those defined in 33 CFR 328.3(a)(1) (i.e., "all waters which are currently used, or were used in the past, or may be susceptible to use in interstate or foreign commerce..."). Based on the above, all of Twelvepole Creek (approx. 33 stream miles to the forks of East and West Forks of Twelvepole Creek) meets the definition of a TNW. Considering a portion of either West Fork or East Fork of Twelvepole Creek was not included in this determination due to lack of sufficient information.

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

³³ Supporting documentation is presented in Section III.F.

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 waterbody34 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) | Wa Dra Ave | neral Area Conditions: tershed size: Pick List tinage area: Pick List terage annual rainfall: inches terage annual snowfall: inches |
|------|------------------|--|
| (ii) | | vsical Characteristics: Relationship with TNW: ☐ Tributary flows directly into TNW. ☐ Tributary flows through Pick List tributaries before entering TNW. |
| | | Project waters are Pick List river miles from TNW. Project waters are Pick List aerial (straight) miles from TNW. Project waters are Pick List aerial (straight) miles from RPW. Project waters cross or serve as state boundaries. Explain: |
| | | Identify flow route to TNW ³⁵ : Tributary stream order, if known: |
| | (b) | General Tributary Characteristics (check all that apply): Tributary is: Natural Artificial (man-made). Explain: Manipulated (man-altered). Explain: |
| | | Tributary properties with respect to top of bank (estimate): Average width: feet Average depth: feet Average side slopes: Pick List. |
| | | Primary tributary substrate composition (check all that apply): Silts Sands Concrete Cobbles Gravel Muck Bedrock Vegetation. Type/% cover: Other. Explain: |
| | | Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain: Presence of run/riffle/pool complexes. Explain: Tributary geometry: Pick List Tributary gradient (approximate average slope): % |
| | (c) | Flow: Tributary provides for: Pick List Estimate average number of flow events in review area/year: Pick List Describe flow regime: |

³⁴ Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and

in the arid West.

35 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.

| Surface flow: Pick List. Explain findings: Dye (or other) test performed: Tributary has (check all that apply): Glear, natural line impressed on the bank Glear destruction of terrestrial vegetation Glear destruction of terrestrial vegetatio | | Other information on duration and volume: . | | | | | |
|--|---|--|--|--|--|--|--|
| Dye (or other) test performed: Tributary has (check all that apply): | | Surface flow is: Pick List. Characteristics: . | | | | | |
| Get and banks OHWM'® (check all indicators that apply): | | | | | | | |
| High Tide Line indicated by: | | □ Bed and banks □ OHWM³6 (check all indicators that apply): □ clear, natural line impressed on the bank □ changes in the character of soil □ shelving □ vegetation matted down, bent, or absent □ leaf litter disturbed or washed away □ sediment deposition □ water staining □ other (list): □ destruction of terrestrial vegetation the presence of wrack line sediment sorting sediment sorting multiple observed or predicted flow events abrupt change in plant community | | | | | |
| Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.). Explain: Identify specific pollutants, if known: (iv) Biological Characteristics. Channel supports (check all that apply): Riparian corridor. Characteristics (type, average width): Wetland fringe. Characteristics: Habitat for: Federally Listed species. Explain findings: Fish/spawn areas. Explain findings: Other environmentally-sensitive species. Explain findings: Aquatic/wildlife diversity. Explain findings: Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW (i) Physical Characteristics: (a) General Wetland Characteristics: Properties: Wetland size: acres Wetland type. Explain: Wetland quality. Explain: Project wetlands cross or serve as state boundaries. Explain: (b) General Flow Relationship with Non-TNW: Flow is: Pick List. Explain: Surface flow is: Pick List. | If factors | High Tide Line indicated by: oil or scum line along shore objects fine shell or debris deposits (foreshore) physical markings/characteristics tidal gauges Mean High Water Mark indicated by: survey to available datum; physical markings; vegetation lines/changes in vegetation types. | | | | | |
| 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: Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW (i) Physical Characteristics: (a) General Wetland Characteristics: Properties: Wetland size: acres Wetland type. Explain: Wetland quality. Explain: Project wetlands cross or serve as state boundaries. Explain: (b) General Flow Relationship with Non-TNW: Flow is: Pick List. Explain: Surface flow is: Pick List | Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.). Explain: | | | | | | |
| (i) Physical Characteristics: (a) General Wetland Characteristics: Properties: Wetland size: acres Wetland type. Explain: Wetland quality. Explain: Project wetlands cross or serve as state boundaries. Explain: (b) General Flow Relationship with Non-TNW: Flow is: Pick List. Explain: Surface flow is: Pick List | □ 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: | | | | | | |
| (a) General Wetland Characteristics: Properties: Wetland size: acres Wetland type. Explain: Wetland quality. Explain: Project wetlands cross or serve as state boundaries. Explain: (b) General Flow Relationship with Non-TNW: Flow is: Pick List. Explain: Surface flow is: Pick List | Characte | eristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW | | | | | |
| Flow is: Pick List. Explain: Surface flow is: Pick List | (a) | General Wetland Characteristics: Properties: Wetland size: acres Wetland type, Explain: Wetland quality. Explain: | | | | | |
| Surface flow is: Pick List | | | | | | | |
| | | Surface flow is: Pick List | | | | | |

2.

³⁶A 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.

37 Ibid.

| | | | urface flow: Pick List. Dye (or other) test p | | | | |
|---|-------|------------------------|---|--|---------------------------|---------------|-----------------|
| | | | and Adjacency Determorectly abutting for directly abutting Discrete wetland hy Ecological connection Separated by berm/ | drologic connection. on. Explain: | | | |
| | | Proje Proje Flow | ect waters are Pick List is from: Pick List, nate approximate locations. | ist river miles from The t aerial (straight) mile | | in. | |
| | (ii) | Characteri water | Characteristics: ize wetland system (e.g rshed characteristics; e pecific pollutants, if kn | tc.). Explain: . | brown, oil film on surfa | ce; water qua | lity; general |
| | (iii) | Ripar Vege Habit | l Characteristics. We rian buffer. Characteristation type/percent covtat for: ederally Listed species ish/spawn areas. Expla ther environmentally-squatic/wildlife diversit | stics (type, average wi ver. Explain: | dth): | | |
| All wetland(s) being considered in the cumulative analysis: Pick List Approximately () acres in total are being considered in the cumulative analysis. For each wetland, specify the following: | | | | | | | |
| | | | | | | | |
| | | Direc | ctly abuts? (Y/N) | Size (in acres) | Directly abuts | ? (Y/N) | Size (in acres) |
| | | | | | | | |
| | | C | marino avanall biologia | al abominal and abverig | aal functions bains parfe | armad: | |

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:

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

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

| 1. | TNWs and Adjacent Wetlands. Check all that apply and provide size estimates in review area: TNWs: linear feet width (ft), Or, acres. 31 Miles from mouth of stream up to East and West Forks. Wetlands adjacent to TNWs: acres. |
|----|---|
| 2. | RPWs that flow directly or indirectly into TNWs. Tributaries of TNWs where tributaries typically flow year-round are jurisdictional. Provide data and rationale indicating that tributary is perennial: Tributaries of TNW where tributaries have continuous flow "seasonally" (e.g., typically three months each year) are jurisdictional. Data supporting this conclusion is provided at Section III.B. Provide rationale indicating that tributary flows seasonally: Provide estimates for jurisdictional waters in the review area (check all that apply): |
| | Tributary waters: linear feet width (ft). Other non-wetland waters: acres. Identify type(s) of waters: . |
| 3. | Non-RPWs ³⁸ that flow directly or indirectly into TNWs. Waterbody that is not a TNW or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with a TNW is jurisdictional. Data supporting this conclusion is provided at Section III.C. |
| | Provide estimates for jurisdictional waters within the review area (check all that apply): Tributary waters: linear feet width (ft). Other non-wetland waters: acres. Identify type(s) of waters: . |
| 4. | Wetlands directly abutting an RPW that flow directly or indirectly into TNWs. Wetlands 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: |

³⁸ See Footnote # 3.

| | 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: acres. |
| | Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs. Wetlands that do not directly abut an RPW, but 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. |
| | Provide acreage estimates for jurisdictional wetlands in the review area: acres. |
| | 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs. Wetlands adjacent to such waters, and have 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. |
| | 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). |
| 3 | ISOLATED [INTERSTATE OR INTRA-STATE] WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS (CHECK ALL THAT APPLY): 40 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: |
| | Identify water body and summarize rationale supporting determination: Provide estimates for jurisdictional waters in the review area (check all that apply): Tributary waters: linear feet width (ft). Other non-wetland waters: acres. Identify type(s) of waters: . Wetlands: acres. |
| | NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS (CHECK ALL THAT APPLY): If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements. Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce. Prior to the Jan 2001 Supreme Court decision in "SWANCC," the review area would have been regulated based solely on the "Migratory Bird Rule" (MBR). Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction. Explain: Other: (explain, if not covered above): |
| 1 | Provide acreage estimates for non-jurisdictional waters in the review area, where the <u>sole</u> 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 pest professional judgment (check all that apply): |
| | |

E.

F.

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

| 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. | |
| Provide acreage estimates for non-jurisdictional waters in the review area that do not meet the "Significant Nexus" standar where such a finding is required for jurisdiction (check all that apply): | rd, |
| Non-wetland waters (i.e., rivers, streams): linear feet, width (ft). | |
| Lakes/ponds: acres. | |
| Other non-wetland waters: acres. List type of aquatic resource: | |
| Wetlands: acres. | |
| | |
| SECTION IV: DATA SOURCES. | |
| A. SUPPORTING DATA. Data reviewed for JD (check all that apply - checked items shall be included in case file and, | |
| where checked and requested, appropriately reference sources below): | |
| Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: | |
| 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 NHD data. | |
| | |
| USGS 8 and 12 digit HUC maps. | |
| U.S. Geological Survey map(s). Cite scale & quad name: Wayne, WV USGS Quadrangle. | |
| USDA Natural Resources Conservation Service Soil Survey. Citation: Hamilton County 1979 . | |
| National wetlands inventory map(s). Cite name: . | |
| U.S. Geological Survey map(s). Cite scale & quad name: Wayne, WV USGS Quadrangle. USDA Natural Resources Conservation Service Soil Survey. Citation: Hamilton County 1979. National wetlands inventory map(s). Cite name: State/Local wetland inventory map(s): FEMA/FIRM maps: 100-year Floodplain Elevation is: (National Geodectic Vertical Datum of 1929) Photographs: Aerial (Name & Date): | |
| FEMA/FIRM maps: . | |
| 100-year Floodplain Elevation is: (National Geodectic Vertical Datum of 1929) | |
| interest in the second of the | |
| or Other (Name & Date): | |
| Previous determination(s). File no. and date of response letter: | |
| Applicable/supporting case law: . | |
| Applicable/supporting scientific literature: | |
| Other information (please specify): See Additional Comments in Sec. B below. | |
| | |
| B. ADDITIONAL COMMENTS TO SUPPORT JD: | |
| Citation of supporting documents are listed below: | |
| - "Wayne County News", August 27, 1925, obtained from West Virginia Division of Culture & History at | |
| http://www.wvculture.org/history/wcn/wcn250827.html. | |
| - "Histories of 58 WV Communities - Chap. 22", obtained from WebRoots.org | |
| (www.webroots.org/library/usahist/howvc013.html). | |
| | |

B.

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 - List of Public Access Sites, obtained from West Virginia Division of Natural Resources.
 - Historical stream flow data retrieved from USGS stream gauging station on Twelvepole Creek at Wayne, WV
- Watershed Statistics, obtained from Natural Resources Conservation Service: www.wv.nrcs.usda.gov/programs/csp/05csp/12pole.html