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	L DETERMINATION (JD):	July 17, 2018
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B. DISTRICT OFFICE, FILE NAME, AND NUMBER: LRL-2018-49, SigNex wetlands/EPH, Olthaf Westfield

ъ.	DIS	TRICT OFFICE, FILE NAME, AND NOMBER. ERE-2010-42, Digita wedands/EFF, Othar Westicia
C.	PRO	DJECT LOCATION AND BACKGROUND INFORMATION:
	Cent	e: Indiana County/parish/borough: Hamilton City: Westfield ter coordinates of site (lat/long in degree decimal format): Lat. 40.0683°, Long86.1048° Universal Transverse Mercator:
	Nam	ne of nearest waterbody: West Fork Sly Run ne of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: White River ne of watershed or Hydrologic Unit Code (HUC): 05120201, Upper White
	~	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.	REV	VIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):
	~	Office (Desk) Determination. Date: January 9, 2018
	~	Field Determination. Date(s): May 10, 2018,
SE	CTIO	N II: SUMMARY OF FINDINGS
		SECTION 10 DETERMINATION OF JURISDICTION.
The		no "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.
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]
		Waters of the U.S. a. Indicate presence of waters of U.S. in review area (check all that apply): 1
		TNWs, including territorial seas
		Wetlands adjacent to TNWs
		Relatively permanent waters ² (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
	ŀ	Non-wetland waters: 63 linear feet: width (ft) and/or acres. Wetlands: 1.59 acres.
	C	c. Limits (boundaries) of jurisdiction based on: 1987 Delineation Manual, OHWM
	F	Elevation of established OHWM (if known):
	2. N	Non-regulated waters/wetlands (check if applicable): ³ Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional.

Explain:

¹ Boxes checked below shall be supported by completing the appropriate sections in Section III below.

² For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months).

³ Supporting documentation is presented in Section III.F.

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 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)	Wat	neral Area Condition ershed size: 1,761,3 inage area: 0.558 sq	62 ac	
		rage annual rainfall: rage annual snowfal		
(ii)	Phy (a)	sical Characteristic Relationship with Tributary flow	ΓNW	E ectly into TNW.
		Tributary flow	vs thr	ough 3 tributaries before entering TNW.
		Project waters are Project waters are Project waters are	1 (or 30 (or 1 (or	r more) river miles from TNW. less) river miles from RPW. r more) aerial (straight) miles from TNW. less) aerial (straight) miles from RPW. erve as state boundaries. Explain:
			view	NW ⁵ : The non-RPW ("drain") is the headwaters of West Fork Sly Run (becomes an RPW approx. 0.5 area), which flows into Sly Run, which flows into Cicero Creek, which flows into White River if known:
	(b)	General Tributary	Chara	acteristics (check all that apply):
		Tributary is:		Natural
				Artificial (man-made). Explain:
			~	Manipulated (man-altered). Explain: The tributary has developed over the past 15 years as a result of failing drainage tile and has been channelized on adjacent property to the northeast.

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

⁵ Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.

	Ave Ave	ry properties with regrage width: 4 feet rage depth: 3 feet rage side slopes: Ve			nate):		
	V	tributary substrate c	V	Sands	apply):		Concrete
	_	Cobbles Bedrock		Gravel Vegetation. Type/	/% cove	:	Muck
		Other. Explain:					
	headcut as meanders Presence Tributary	s a result of failing d many times along th	lrainage ne north omplexe ring	e tile. The banks are tern boundary of the es. Explain: Pools	e nearly e review	1:1 in most p area.	n: The stream channel is actively eroding and claces, which upland soil eroding into the stream oded material has restricted flow.
seasonally per	Estimate Desennial after Other inf	er it flows onto adja	flow ev The por- cent pro on and v	rents in review area tion of the tributary operty. volume: Wrack line	within es and w	the review ar	rea has ephemeral flow, however, it becomes was present above the top of bank in most areas
channelized/st		low is: Discrete and d channel on adjace			s: The tri	butary is con	fined within its channel and enters a
drainage tile.	Subsurfa	ce flow: No Explain			the tribu	itary within th	he review area is open channel created by failing
		whas (check all that Bed and banks OHWM ⁶ (check all changes in the changes in t	l indica ne impr characto ted dow bed or sition	ressed on the bank er of soil on, bent, or absent washed away	des the second mu	struction of te presence of liment sorting our altiple observe	
		High Tide Line incoming oil or scum line fine shell or de physical marking tidal gauges other (list):	licated le along bris dep	by: Shore objects posits (foreshore)	Mean sur	High Water N vey to availa ysical markin	
		aracteristics: ributary (e.g., water	color i	s clear, discolored,	oily filr	n; water qual	ity; general watershed characteristics, etc.).

Explain: The tributary was flowing at the time of the inspection and appeared to be sediment-laden and brown.

⁶A 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.

Identify specific pollutants, if known: Although specific pollutants are unknown, the tributary appeared to be originating from a

failing subsurface tile on agricultural property to the north, which can introduce agricultural pollutants such as nitrates, phosphates, and

herbicides.

	(iv)		Ripa	al Characteristics. Channel supports (check all that apply): arian corridor. Characteristics (type, average width): The tributary has a riparian buffer on each side that is greater than feet and contains wetlands within the review area.
				land fringe. Characteristics:
		~		itat for:
		1,521	₩.	Federally Listed species. Explain findings: The riparian buffer appears to have potential roosting habitat for the Indiana bat and Northern long-eared bat due to the presence of large trees with loos/exfoliating bark and/or snags.
				Fish/spawn areas. Explain findings:
				Other environmentally-sensitive species. Explain findings:
			~	Aquatic/wildlife diversity. Explain findings: The riparian areas appear to provide habitat for small and large mammals such as deer and raccoon (tracks present during site inspection), in additional to multiple avian species.
2.	Cha	aract	eristi	cs of wetlands adjacent to non-TNW that flow directly or indirectly into TNW
	(i)	Phy	sical	Characteristics:
			Gen Prop	eral Wetland Characteristics: perties: Wetland size: 1.59 acres
				Wetland type. Explain: Forested (dominated by tree species).
			eation	Wetland quality. Explain: The wetlands appear to be relatively good quality due to minimal historic disturbance. Data in report revised 6/20/2018 indicates the site is trending wetter due to the presence of shrubs and herbaceous species that very wet conditions. ect wetlands cross or serve as state boundaries. Explain:
		(b)	_	eral Flow Relationship with Non-TNW:
wet	land	, ,	Flov	v is: Ephemeral Flow Explain: Section I wetland flows into the tributary via surface flow after rain events. Section II ly into the tributary via an erosional channel.
c			(ace flow is: Discrete and Confined (Section II); Surface sheet flow (Section I) Characteristics: Section I wetland flows into the tributary via surface flow after rain events. Section II wetland drains
free	ly in	to the		tary via an erosional channel.
				Surface flow: Unknown Explain findings: Dye (or other) test performed:
		(c)	<u>Wet</u>	land Adjacency Determination with Non-TNW:
				Directly abutting
			~	Not directly abutting
				Discrete wetland hydrologic connection. Explain: The tributary is the headwaters of West Fork Sly Run (which becomes a seasonal RPW after it flows onto adjacent property and an RPW approx. 0.5 miles east of the review area), which flows into Sly Run, which flows into Cicero Creek, which flows into White River (TNW).
				Ecological connection. Explain:
				Separated by berm/barrier. Explain:
		(d)		cimity (Relationship) to TNW
				ect wetlands are 30 (or more) river miles from TNW. ect waters are 30 (or more) aerial (straight) miles from TNW.
				v is from: Wetland to Navigable Waters
				mate approximate location of wetland as within the 500-year or greater floodplain.
	(ii)			l Characteristics:
		Cha	etc.) surre	rize wetland system (e.g., water color is clear, brown, oil film on surface; water quality; general watershed characteristics; . Explain: Section I did not have surface water at the time of the inspection, and it appears to receive surface runoff from bunding agricultural fields. The eastern portion of Section II is a permanently inundated, shallow aquatic system that
		Ider		eared to have relatively clear water which duck weed at the surface. pecific pollutants, if known: Although specific pollutants are unknown, the wetland receive surface runoff from
suri	ound			ltural fields which could be sources for nitrates, phosphates, and herbicides.
	(iii) Bio	logica	al Characteristics. Wetland supports (check all that apply):
			epl	parian buffer. Characteristics (type, average width): Section I and Section II are located in the riparian buffer of the nemeral tributary. The total width is over 100 feet within the review area.
		V	she	getation type/percent cover. Explain: The wetlands are dominated by trees. See 6/20/18 revised delineation data eets for exact species and cover percentage. bitat for:
		(2)		Federally Listed species. Explain findings: The riparian buffer appears to have potential roosting habitat for the
				Indiana bat and Northern long-eared bat due to the presence of large trees with loos/exfoliating bark and/or snags. Fish/spawn areas. Explain findings:

	Other environmentally-sensitive species. Explain findings:
~	Aquatic/wildlife diversity. Explain findings: The riparian areas appear to provide habitat for small and large
	mammals such as deer and raccoon (tracks present during site inspection), in additional to multiple avian species
	Multiple amphibious species were present during the site inspection (bullfrogs, unidentified frogs, tree frogs).

Characteristics of all wetlands adjacent to the tributary (if any)
All wetland(s) being considered in the cumulative analysis: 2
Approximately (1.59) acres in total are being considered in the cumulative analysis.

For each wetland, specify the following:

Directly abuts? (Y/N)	Size (in acres)	Directly abuts? (Y/N)	Size (in acres)
No	0.84		
No	0.75		

Summarize overall biological, chemical and physical functions being performed: The wetlands provide flood retention/storage, pollution filtration from surrounding agricultural land, and provides habitat for multiple species.

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: A significant nexus exists between the ephemeral tributary (which is the headwaters of West Fork Sly Run and becomes a seasonal RPW after it flows onto adjacent property and an RPW 0.5 mile east of the review area) and the adjacent wetlands. Flow from the wetlands enters the tributary directly, where it flows east into Sly Run, then southeast into Cicero Creek, then into White River (TNW). The wetlands and riparian area provide flood retention and filters nutrient and other pollutants from surrounding areas that can be transported downstream to the White River. Additionally, the wetlands provide some amount of foraging opportunity and terrestrial habitat due to their association with riparian buffers associated with West Fork Sly Run and its floodplains and foodwebs.
- 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:

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

l .	TN	Ws and Adjacent Wetlands. Check all that apply and provide size estimates in review area: TNWs: linear feet width (ft), Or, acres.
		Wetlands adjacent to TNWs: acres.
2.	RP	Ws 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.	~	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.
			de estimates for jurisdictional waters within the review area (check all that apply): Tributary waters: 63 linear feet 3 width (ft).
			Other non-wetland waters: acres.
			Identify type(s) of waters:
	4.		ands 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:
			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: acres.
	5.		ands 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.
		Provi	de acreage estimates for jurisdictional wetlands in the review area: acres.
	6.	~	ands 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.
		Provi	de estimates for jurisdictional wetlands in the review area: 1.59 acres.
	7.	Impo	oundments of jurisdictional waters. ⁹
		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.	OR	DEST	ED [INTERSTATE OR INTRA-STATE] WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION CRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS (CHECK AT APPLY): 10
			h 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	n are or could be used for industrial purposes by industries in interstate commerce.
		Inters	state isolated waters. Explain:
		Other	r factors. Explain:
	Ide	ntify w	vater body and summarize rationale supporting determination:
	Pro		timates for jurisdictional waters in the review area (check all that apply): ttary waters: linear feet width (ft).
			r non-wetland waters: acres.
	Reserve		lentify type(s) of waters:
			ands: acres.

 ⁸See Footnote # 3.
 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.

F.	NO	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):
	(i.e.	vide acreage estimates for non-jurisdictional waters in the review area, where the <u>sole</u> potential basis of jurisdiction is the MBR factors, presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment eck 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.
		vide acreage estimates for non-jurisdictional waters in the review area that do not meet the "Significant Nexus" standard, where such a ing 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.
SE	CTIO	ON IV: DATA SOURCES.
A.	SUPI	PORTING DATA. Data reviewed for JD (check all that apply - checked items shall be included in case file and, where checked and
	requ	nested, appropriately reference sources below): Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: Earth Source, Inc delineation report revised 6/20/18
	~	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: 7.5 minute, Noblesville (see delineation)
	~	USDA Natural Resources Conservation Service Soil Survey. Citation: Web Soil Survey, Hamilton County data (see delineation)
	~	National wetlands inventory map(s). Cite name: USFWS NWI dataset (See delineation)
		State/Local wetland inventory map(s):
	~	FEMA/FIRM maps: Panel 18057C0128G
		100-year Floodplain Elevation is: (National Geodectic Vertical Datum of 1929)
	~	Photographs: Aerial (Name & Date): undated aerial in delineation report, 1941, 2004, 2005, 2015, 6JAN2016, 16NOV2016, 2017, 10MAY2018 aerials or Other (Name & Date): Site photos in delineation report, 10MAY2018 USACE site photos
		or Other (Name & Date): Site photos in delineation report, 10MAY2018 USACE site photos Previous determination(s). File no. and date of response letter:
		Applicable/supporting case law:
		Applicable/supporting case law: Applicable/supporting scientific literature:
		Other information (please specify): Waters report from LRL-2017-640 showing flow regime of West Fork Sly Run east of the review
	~	area; 2017 aerial with legal drain locations from Hamilton County GIS; StreamStats drainage basin characteristic data (USGS)

B. ADDITIONAL COMMENTS TO SUPPORT JD:

Date