



**U.S. ARMY CORPS OF ENGINEERS
REGULATORY PROGRAM
APPROVED JURISDICTIONAL DETERMINATION FORM (INTERIM)
NAVIGABLE WATERS PROTECTION RULE**

I. ADMINISTRATIVE INFORMATION

Completion Date of Approved Jurisdictional Determination (AJD): 7/28/2020
 ORM Number: LRH-2018-572-GUY; Slab Fork
 Associated JDs: PJD LRH-2018-572-GUY
 Review Area Location¹: State/Territory: WV City: Maben County/Parish/Borough: Raleigh and Wyoming
 Center Coordinates of Review Area: Latitude 37.38'43" Longitude -81.22'10"

II. FINDINGS

A. Summary: Check all that apply. At least one box from the following list MUST be selected. Complete the corresponding sections/tables and summarize data sources.

- The review area is comprised entirely of dry land (i.e., there are no waters or water features, including wetlands, of any kind in the entire review area). Rationale: N/A
- There are "navigable waters of the United States" within Rivers and Harbors Act jurisdiction within the review area (complete table in Section II.B).
- There are "waters of the United States" within Clean Water Act jurisdiction within the review area (complete appropriate tables in Section II.C).
- There are waters or water features excluded from Clean Water Act jurisdiction within the review area (complete table in Section II.D).

B. Rivers and Harbors Act of 1899 Section 10 (§ 10)²

§ 10 Name	§ 10 Size	§ 10 Criteria	Rationale for § 10 Determination
N/A	N/A.	N/A	N/A.

C. Clean Water Act Section 404

Territorial Seas and Traditional Navigable Waters ((a)(1) waters): ³			
(a)(1) Name	(a)(1) Size	(a)(1) Criteria	Rationale for (a)(1) Determination
N/A.	N/A.	N/A.	N/A.

Tributaries ((a)(2) waters):within the AJD Boundary			
(a)(2) Name	(a)(2) Size	(a)(2) Criteria	Rationale for (a)(2) Determination
UNT Slab Fork – Streams 44-47, 50, 54-57, C, E, and J	4,943 linear feet	(a)(2) Intermittent tributary contributes surface water flow directly or indirectly to an (a)(1) water in a typical year.	The streams are tributaries of Slab Fork, a direct to the Guyandotte River, a navigable water of the United States. Slab Fork flows to the Guyandotte River approximately 12.5 miles downstream from the AJD review area. Refer to the enclosed map titled "Stream Delineation Map, Maben-Sewell Highwall Mine No. 1- July 2020. The streams were observed with intermittent flow during the March 2018 and October 2019 site

¹ Map(s)/figure(s) are attached to the AJD provided to the requestor.
² If the navigable water is not subject to the ebb and flow of the tide or included on the District's list of Rivers and Harbors Act Section 10 navigable waters list, do NOT use this document to make the determination. The District must continue to follow the procedure outlined in 33 CFR part 329.14 to make a Rivers and Harbors Act Section 10 navigability determination.
³ A stand-alone TNW determination is completed independently of a request for an AJD. A stand-alone TNW determination is conducted for a specific segment of river or stream or other type of waterbody, such as a lake, where upstream or downstream limits or lake borders are established. A stand-alone TNW determination should be completed following applicable guidance and should NOT be documented on the AJD Form.



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Tributaries ((a)(2) waters):within the AJD Boundary			
(a)(2) Name	(a)(2) Size	(a)(2) Criteria	Rationale for (a)(2) Determination
			investigations. (See Attached Table 1 for description of all (a)(2) tributaries within the AJD Boundary)*.

Lakes and ponds, and impoundments of jurisdictional waters ((a)(3) waters):			
(a)(3) Name	(a)(3) Size	(a)(3) Criteria	Rationale for (a)(3) Determination
N/A.	N/A.	N/A.	N/A.

Adjacent wetlands ((a)(4) waters):			
(a)(4) Name	(a)(4) Size	(a)(4) Criteria	Rationale for (a)(4) Determination
N/A.	N/A.	N/A.	N/A.

D. Excluded Waters or Features

Excluded waters ((b)(1) – (b)(12)): ⁴ within the AJD boundary.			
Exclusion Name	Exclusion Size	Exclusion ⁵	Rationale for Exclusion Determination
UNT's Allen Creek, Left Fork, Cedar Creek, Slab Fork – Streams 1-43, 48, 51-53, 58-93	19,786	linear feet	(b)(3) Ephemeral feature, including an ephemeral stream, swale, gully, rill, or pool. The drainageways only provide ephemeral flow, do not consistently present a continually clearly defined bed and ordinary high water mark, and has no evidence of physical or biological indicators of intermittent flow. See Section B for additional information (See Attached Table 2 for description of all (b)(3) tributaries within the AJD Boundary.

III. SUPPORTING INFORMATION

A. Select/enter all resources that were used to aid in this determination and attach data/maps to this document and/or references/citations in the administrative record, as appropriate.

Information submitted by, or on behalf of, the applicant/consultant: [Kirk Environmental – a letter dated July 10, 2020 requesting an AJD for stream channels identified in the report dated June 2018 entitled “Jurisdictional Determination for the Maben-Sewell Highwall Mine No. 1 in the Slab Fork District of Raleigh and Wyoming Counties, WV and attached delineation mapping entitled Stream Delineation Map – Maben-Sewell Highwall Mine No. 1 Sheets 1-4”.](#)

This information is sufficient for purposes of this AJD.

Rationale: [The consultant has provided all of the additional information requested to clarify site conditions. The information provided is sufficient to verify stream locations and flow regime.](#)

- Data sheets prepared by the Corps: [Title\(s\) and/or date\(s\).](#)
- Photographs: [Other: Photos provided in the June 2018 Delineation Report](#)
- Corps site visit(s) conducted on: [Date\(s\).](#)
- Previous Jurisdictional Determinations (AJDs or PJDs): [PJD and AJD LRH-2018-572](#)

⁴ Some excluded waters, such as (b)(2) and (b)(4), may not be specifically identified on the AJD form unless a requestor specifically asks a Corps district to do so. Corps districts may, in case-by-case instances, choose to identify some or all of these waters within the review area.

⁵ Because of the broad nature of the (b)(1) exclusion and in an effort to collect data on specific types of waters that would be covered by the (b)(1) exclusion, four sub-categories of (b)(1) exclusions were administratively created for the purposes of the AJD Form. These four sub-categories are not new exclusions, but are simply administrative distinctions and remain (b)(1) exclusions as defined by the NWPR.



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- Antecedent Precipitation Tool: provide detailed discussion in Section III.B.
- USDA NRCS Soil Survey: Title(s) and/or date(s).
- USFWS NWI maps: Title(s) and/or date(s).
- USGS topographic maps: USGS McGraws and Lester, WV 1:24K

Other data sources used to aid in this determination:

Data Source (select)	Name and/or date and other relevant information
USGS/WBD/NHD data/maps	USGS NHD map accessed through LRH Regulatory GIS Viewers
USDA Sources	N/A.
NOAA Sources	N/A.
USACE Sources	N/A.
State/Local/Tribal Sources	N/A.
Other Sources	N/A

B. Typical year assessment(s): The antecedent precipitation tool was utilized to determine typical year for point-in-time data sources. The initial site delineation was conducted between February 2018 and March 2018 during a period of above average rainfall. Based on the antecedent precipitation tool, the average antecedent precipitation score was 13.67, the WebWIMP indicated a wet season and the Palmer Drought Severity Index indicated mild wetness. The 30-day rolling total for precipitation was higher than the 30-year normal range during the 2018 sampling period. These wet conditions may explain why the ephemeral streams had some flow during the sampling event. The second site investigation was conducted between Oct. 9-11, 2019. The area received more than 2” of rain two days prior to the sampling event but there was no precipitation for ten days prior to that rain event. All of the ephemeral stream channels were dry during this sampling event. The antecedent condition calculation determined between March 2019 and February 2020 was within drier than normal conditions although the rolling 30-day precipitation level between October 2019 and February 2020 was higher than the 30-year normal range. Therefore, the flow regimes for the streams observed between Oct. 9-11, 2019 were within wetter conditions but the streams still provided no flow during a significant precipitation event. Therefore, the ephemeral and intermittent flow regimes found in the streams during both sampling periods are indicative of the typical year flow for this streams and supports the indicated flow regimes.

C. Additional comments to support AJD: Attached “Stream Delineation Map – Maben-Sewell Highwall Mine No. 1 – Detial Sheets 1-4 dated July 2020, has been determined to be accurate.

Table 1 – Tributaries ((a)(2) Waters) Within the AJD Boundary			
(a)(2) Name	(a)(2) Length	(a)(2) Criteria	Rationale for (a)(2) Determination
UNT Slab Fork – Stream 44	35 lf	(a) (2) intermittent tributary contributes surface water flow directly or indirectly to an (a)(1) water in a typical year.	Stream 44 is a tributary of Slab Fork, a direct tributary to the Guyandotte River, a navigable water of the U.S. Slab Fork flows into the Guyandotte River approximately 12.5 miles downstream from the AJD. Refer to the enclosed map titled “Stream Delineation Map, Maben-Sewell Highwall Mine No. 1-July 2020”. Stream 44 was observed with intermittent flow during the March 2018 and October 2019 site investigations.
UNT Slab Fork – Stream 45	850 lf	(a) (2) intermittent tributary contributes surface water flow directly or indirectly to an (a)(1) water in a typical year.	Stream 45 is a tributary of Slab Fork, a direct tributary to the Guyandotte River, a navigable water of the U.S. Slab Fork flows into the Guyandotte River approximately 12.5 miles downstream from the AJD. Refer to the enclosed map titled “Stream Delineation Map, Maben-Sewell Highwall Mine No. 1-July 2020”. Stream 45 was observed with intermittent flow during the March 2018 and October 2019 site investigations.
UNT Slab Fork – Stream 46	110 lf	(a) (2) intermittent tributary contributes surface water flow directly or indirectly to an (a)(1) water in a typical year.	Stream 46 is a tributary of Slab Fork, a direct tributary to the Guyandotte River, a navigable water of the U.S. Slab Fork flows into the Guyandotte River approximately 12.5 miles downstream from the AJD. Refer to the enclosed map titled “Stream Delineation Map, Maben-Sewell Highwall Mine No. 1-July 2020”. Stream 46 was observed with intermittent flow during the March 2018 and October 2019 site investigations.
UNT Slab Fork – Stream 47	300 lf	(a) (2) intermittent tributary contributes surface water flow directly or indirectly to an (a)(1) water in a typical year.	Stream 47 is a tributary of Slab Fork, a direct tributary to the Guyandotte River, a navigable water of the U.S. Slab Fork flows into the Guyandotte River approximately 12.5 miles downstream from the AJD. Refer to the enclosed map titled “Stream Delineation Map, Maben-Sewell Highwall Mine No. 1-July 2020”. Stream 47 was observed with intermittent flow during the March 2018 and October 2019 site investigations.
UNT Slab Fork – Stream 49	217 lf	(a) (2) intermittent tributary contributes surface water flow directly or indirectly to an (a)(1) water in a typical year.	Stream 49 is a tributary of Slab Fork, a direct tributary to the Guyandotte River, a navigable water of the U.S. Slab Fork flows into the Guyandotte River approximately 12.5 miles downstream from the AJD. Refer to the enclosed map titled “Stream Delineation Map, Maben-Sewell Highwall Mine No. 1-July 2020”. Stream

			49 was observed with intermittent flow during the March 2018 and October 2019 site investigations.
UNT Slab Fork – Stream 50	270 lf	(a) (2) intermittent tributary contributes surface water flow directly or indirectly to an (a)(1) water in a typical year.	Stream 50 is a tributary of Slab Fork, a direct tributary to the Guyandotte River, a navigable water of the U.S. Slab Fork flows into the Guyandotte River approximately 12.5 miles downstream from the AJD. Refer to the enclosed map titled “Stream Delineation Map, Maben-Sewell Highwall Mine No. 1-July 2020”. Stream 50 was observed with intermittent flow during the March 2018 and October 2019 site investigations.
UNT Slab Fork – Stream 54	1,164 lf	(a) (2) intermittent tributary contributes surface water flow directly or indirectly to an (a)(1) water in a typical year.	Stream 54 is a tributary of Slab Fork, a direct tributary to the Guyandotte River, a navigable water of the U.S. Slab Fork flows into the Guyandotte River approximately 12.5 miles downstream from the AJD. Refer to the enclosed map titled “Stream Delineation Map, Maben-Sewell Highwall Mine No. 1-July 2020”. Stream 54 was observed with intermittent flow during the March 2018 and October 2019 site investigations.
UNT Slab Fork – Stream 55	720 lf	(a) (2) intermittent tributary contributes surface water flow directly or indirectly to an (a)(1) water in a typical year.	Stream 55 is a tributary of Slab Fork, a direct tributary to the Guyandotte River, a navigable water of the U.S. Slab Fork flows into the Guyandotte River approximately 12.5 miles downstream from the AJD. Refer to the enclosed map titled “Stream Delineation Map, Maben-Sewell Highwall Mine No. 1-July 2020”. Stream 55 was observed with intermittent flow during the March 2018 and October 2019 site investigations.
UNT Slab Fork – Stream 56	87 lf	(a) (2) intermittent tributary contributes surface water flow directly or indirectly to an (a)(1) water in a typical year.	Stream 56 is a tributary of Slab Fork, a direct tributary to the Guyandotte River, a navigable water of the U.S. Slab Fork flows into the Guyandotte River approximately 12.5 miles downstream from the AJD. Refer to the enclosed map titled “Stream Delineation Map, Maben-Sewell Highwall Mine No. 1-July 2020”. Stream 56 was observed with intermittent flow during the March 2018 and October 2019 site investigations.
UNT Slab Fork – Stream 57	864 lf	(a) (2) intermittent tributary contributes surface water flow directly or indirectly to an (a)(1) water in a typical year.	Stream 57 is a tributary of Slab Fork, a direct tributary to the Guyandotte River, a navigable water of the U.S. Slab Fork flows into the Guyandotte River approximately 12.5 miles downstream from the AJD. Refer to the enclosed map titled “Stream Delineation Map, Maben-Sewell

			Highwall Mine No. 1-July 2020". Stream 57 was observed with intermittent flow during the March 2018 and October 2019 site investigations.
UNT Slab Fork – Stream C	99 lf	(a) (2) intermittent tributary contributes surface water flow directly or indirectly to an (a)(1) water in a typical year.	Stream C is a tributary of Slab Fork, a direct tributary to the Guyandotte River, a navigable water of the U.S. Slab Fork flows into the Guyandotte River approximately 12.5 miles downstream from the AJD. Refer to the enclosed map titled "Stream Delineation Map, Maben-Sewell Highwall Mine No. 1-July 2020". Stream C was observed with intermittent flow during the March 2018 and October 2019 site investigations.
UNT Slab Fork – Stream E	158 lf	(a) (2) intermittent tributary contributes surface water flow directly or indirectly to an (a)(1) water in a typical year.	Stream E is a tributary of Slab Fork, a direct tributary to the Guyandotte River, a navigable water of the U.S. Slab Fork flows into the Guyandotte River approximately 12.5 miles downstream from the AJD. Refer to the enclosed map titled "Stream Delineation Map, Maben-Sewell Highwall Mine No. 1-July 2020". Stream E was observed with intermittent flow during the March 2018 and October 2019 site investigations.
UNT Slab Fork – Stream J	40 lf	(a) (2) intermittent tributary contributes surface water flow directly or indirectly to an (a)(1) water in a typical year.	Stream J is a tributary of Slab Fork, a direct tributary to the Guyandotte River, a navigable water of the U.S. Slab Fork flows into the Guyandotte River approximately 12.5 miles downstream from the AJD. Refer to the enclosed map titled "Stream Delineation Map, Maben-Sewell Highwall Mine No. 1-July 2020". Stream J was observed with intermittent flow during the March 2018 and October 2019 site investigations.
TOTAL	4,943 lf		

Table 2 – Excluded Waters ((b)(1)- (b)(12))Within the AJD Boundary			
Exclusion Name	Exclusion Size	Exclusion Criteria	Rationale for Exclusion Determination
UNT Allen Creek – Stream I	350 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	Drainageway did exhibit a small amount of flow at original Spring 2018 site investigations during an extended wet period but was dry during the 2020 site investigations and did not exhibit a continually clear bed or ordinary high water mark (OHWM) or scouring of detritus/substrate or sorting of substrates. The drainageway is not located in a natural drainage area within site topography and is narrow and shallow. The drainageway

			resulted from past surface mining activities at the site and are located at the base of the highwall where it occasionally receives water from seeps associated with the highway. There are no physical or biological indicators of intermittent flow.
UNT Allen Creek – Stream 2	145 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Allen Creek – Stream 3	100 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Allen Creek – Stream 4	290 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Allen Creek – Stream 5	305 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Allen Creek – Stream 6	275 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Allen Creek – Stream 7	290 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Allen Creek Stream 8	450 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Allen Creek – Stream 9	730 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Allen Creek – Stream 10	190 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Allen Creek – Stream 11	425 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Allen Creek – Stream 12	420 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Allen Creek-Stream 13		(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above

UNT Allen Creek – Stream 14	380 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Allen Creek – Stream 15	150 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Allen Creek – Stream 16	130 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Allen Creek – Stream 17	125 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Allen Creek – Stream 18	210 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Allen Creek – Stream 19	110 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Allen Creek – Stream 20	70 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Allen Creek – Stream 21	107 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Allen Creek – Stream 22	540 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Allen Creek – Stream 23	100 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Allen Creek – Stream 24	550 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Allen Creek – Stream 25	440 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above

UNT Allen Creek – Stream 26	370 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Left Fork – Stream 28	100 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Left Fork – Stream 29	160 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Cedar Creek – Stream 30	100 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Cedar Creek – Stream 31	75 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Cedar Creek – Stream 32	172 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Cedar Creek – Stream 33	100 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Cedar Creek – Stream 34	90 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Cedar Creek – Stream 35	70 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Cedar Creek – Stream 36	300 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Cedar Creek – Stream 37	135 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Cedar Creek – Stream 38	235 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Cedar Creek – Stream 39	265 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Cedar Creek – Stream 40	500 lf	(b)(3) Ephemeral feature, including an	See above

		ephemeral stream, gully, rill, or pool	
UNT Cedar Creek – Stream 41	500 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 42	100 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 43	45 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 44	35 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 45	850 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 46	110 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 47	300 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 48	100 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 49	217 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 50	270 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 51	155 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 52	470 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 53	200 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above

UNT Slab Fork – Stream 54	1,164	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 55	720 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 56	87 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 57	864 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 58	45 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 61	81 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 62	500 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 63	87 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 64	230 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 65	183 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 66	440 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 67	365 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 68	160 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 69	400 lf	(b)(3) Ephemeral feature, including an	See above

		ephemeral stream, gully, rill, or pool	
UNT Slab Fork – Stream 70	130 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 71	155 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 72	179 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 73	916 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 74	72 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork - Stream 75	80 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 76	42 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 77	35 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 78	78 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Cedar Creek – Stream 79	866 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Cedar Creek – Stream 80	226 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Cedar Creek – Stream 81	165 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Cedar Creek – Stream 82	23 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above

UNT Cedar Creek – Stream 85	27 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Cedar Creek – Stream 86	260 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Cedar Creek – Stream 87	100 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Cedar Creek – Stream 88	400 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Cedar Creek – Stream 89	320 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Cedar Creek – Stream 90	1,000 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 91	275 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 92	160 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream 93	190 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
UNT Slab Fork – Stream B/C	172 lf	(b)(3) Ephemeral feature, including an ephemeral stream, gully, rill, or pool	See above
TOTAL	19,786 lf		