Hydrologic Determination Field Data Sheet

Tennessee Division of Water Pollution Control, Version 1.5

Named Waterbody: 97REAM -1	Date/Time: 6/21/22	
Assessors/Affiliation: Welson 600 MAN TOEC-DWR	Project ID :	
Site Name/Description: 308 HWY 307 &		
Site Location: ATILENS TN		
HUC (12 digit): 060200021101 - 007TA CREEK UPPER	Lat/Long: 25,46709	
Previous Rainfall (7-days): .27	-84.54750	
Precipitation this Season vs. Normal: abnormally wet elevated average low abr Source of recent & seasonal precipidata:	normally dry unknown	
Watershed Size: Il Mi ² County:	McMinn	
Soil Type(s) / Geology:	Source:	
Surrounding Land Use: Rural /Ao / Rusio at 71A		
Degree of historical alteration to natural channel morphology & hydrology (circle one & d Severe Moderate Slight A	escribe fully in Notes) : bsent	
Primary Field Indicators Observed		

Primary Indicators	NO	YES
Hydrologic feature exists solely due to a process discharge		WWC
2. Defined bed and bank absent, vegetation composed of upland and FACU species		WWC
Watercourse dry anytime during February through April 15th, under normal precipitation / groundwater conditions		wwc
4. Daily flow and precipitation records showing feature only flows in direct response to rainfall		wwc
 Presence of multiple populations of obligate lotic organisms with ≥ 2 month aquatic phase 		Stream
6. Presence of fish (except Gambusia)		Stream
7. Presence of naturally occurring ground water table connection		Stream
8. Flowing water in channel and 7 days since last precip >0.1" in local watershed		Stream
9. Evidence watercourse has been used as a supply of drinking water		Stream

NOTE: If any Primary Indicators 1-9 = "Yes", then no further investigation is necessary. However, assessors may choose to score secondary indicators as supporting evidence.

In the absence of a primary indicator, or other definitive evidence, complete the secondary indicator table on page 2 of this sheet, and provide score below.

Guidance for the interpretation and scoring of both the primary & secondary indicators is provided in *TDEC-WPC Guidance For Making Hydrologic Determinations, Version 1.5*

Overall Hydrologic Determination = 47 PEAR	<i>ુ</i> (છુકો)	B B
Secondary Indicator Score (if applicable) = \mathcal{N}/\mathcal{A}	574FI.	END
Justification / Notes :	35,467296	35.465921
	-84.547962	- 84.54195
in upper most sation of warrboth	topophlet Held	nutri Villerant
TAXA OF PRIMARY TADICATOR # 5.	AT 02 17 04 17 18	1154
- PlanouritAE, IntophlebiDAE, philopolamiDAE,	, ottoplocerity E, M	typagani UNE
1 2/2/11/2/15		

Secondary Field Indicator Evaluation

A. Geomorphology (Subtotal =)	Absent	Weak	Moderate	Strong
Continuous bed and bank	0	1	2	3
2. Sinuous channel	0	1	2	3
3. In-channel structure: riffle-pool sequences	0	1	2	3
Sorting of soil textures or other substrate	0	1	2	3
5. Active/relic floodplain	0	0.5	1	1.5
6. Depositional bars or benches	0	1	2	3
7. Braided channel	0	1° 1°	2	3
8. Recent alluvial deposits	0	0.5	1	1.5
9. Natural levees	0	1	2	3
10. Headcuts	0	1	2	3
11. Grade controls	0 .	0.5	1	1.5
12. Natural valley or drainageway	0	0.5	1	1.5
13. At least second order channel on existing USGS	No = 0			
or NRCS map			Yes	Yes = 3

B. Hydrology (Subtotal =)	Absent	Weak	Moderate	Strong	
14. Subsurface flow/discharge into channel	0	1	2	3	
15. Water in channel and >48 hours since sig. rain	0	1	2	3	
16. Leaf litter in channel (January – September)	1.5	1	0.5	0	
17. Sediment on plants or on debris	0	0.5	1	1.5	
18. Organic debris lines or piles (wrack lines)	0	0.5	1	1.5	
19. Hydric soils in channel bed or sides of channel	No = 0		Yes =	1.5	

C. Biology (Subtotal =)	Absent	Weak	Moderate	Strong
20. Fibrous roots in channel bed 1	3	2	1	0
21. Rooted plants in the thalweg 1	3	2	11	0
22. Crayfish in stream (exclude in floodplain)	0	1	2	3
23. Bivalves/mussels	0	1	2	3
24. Amphibians	0	0.5	1	1.5
25. Macrobenthos (record type & abundance)	0	1	2	3
26. Filamentous algae; periphyton	0	1	2	3
27. Iron oxidizing bacteria/fungus	0	0.5	1	1.5
28.Wetland plants in channel bed 2	0	0.5	11	1.5

¹ Focus is on the presence of terrestrial plants.

Total Points = _____

	Conditions, Watercourse is a Secondary Indicator Score <		
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Notes :			
	Dept in		
	116.	+	
11	Andrew St. Sco		
	Sec. Sept. 4		
		1	

² Focus is on the presence of aquatic or wetland plants.