

NC Division of Water Quality –Methodology for Identification of Intermittent and Perennial Streams and Their Origins v. 4.11

NC DWQ Stream Identification Form Version 4.11

Stream ID: D-1 Lower

Date: 06/30/2023	Project/Site: COV - OCR Widening	Latitude: 30.795955
Evaluator: TTL, Inc. (M. Norris)	County: Lowndes	Longitude: -83.286076
Total Points: <i>Stream is at least intermittent if ≥ 19 or perennial if ≥ 30*</i> 17.00	Stream Determination: Intermittent	e.g. Quad Name:

A. Geomorphology (Subtotal = 2.00)

	Absent	Weak	Moderate	Strong
1 ^a . Continuity of channel bed and bank	0	1 ✓	2	3
2. Sinuosity of channel along thalweg	0 ✓	1	2	3
3. In-channel structure: ex. riffle-pool, step-pool, ripple-pool sequence	0 ✓	1	2	3
4. Particle size of stream substrate	0 ✓	1	2	3
5. Active/relict floodplain	0 ✓	1	2	3
6. Depositional bars or benches	0 ✓	1	2	3
7. Recent alluvial deposits	0	1 ✓	2	3
8. Headcuts	0 ✓	1	2	3
9. Grade control	0 ✓	0.5	1	1.5
10. Natural valley	0 ✓	0.5	1	1.5
11. Second or greater order channel	No = 0 ✓		Yes = 3	

^aartificial ditches are not rated; see discussions in manual

B. Hydrology (Subtotal = 5.50)

12. Presence of Baseflow	0	1 ✓	2	3
13. Iron oxidizing bacteria	0 ✓	1	2	3
14. Leaf litter	1.5	1 ✓	0.5	0
15. Sediment on plants or debris	0 ✓	0.5	1	1.5
16. Organic debris lines or piles	0	0.5 ✓	1	1.5
17. Soil-based evidence of high water table?	No = 0		Yes = 3 ✓	

C. Biology (Subtotal = 9.50)

18. Fibrous roots in streambed	3	2	1 ✓	0
19. Rooted upland plants in streambed	3 ✓	2	1	0
20. Macroinvertebrates (note diversity and abundance)	0	1 ✓	2	3
21. Aquatic Mollusks	0	1 ✓	2	3
22. Fish	0 ✓	0.5	1	1.5
23. Crayfish	0	0.5	1 ✓	1.5
24. Amphibians	0	0.5	1 ✓	1.5
25. Algae	0 ✓	0.5	1	1.5
26. Wetland plants in streambed	FACW = 0.75 ✓ OBL = 1.5 Other = 0			

*perennial streams may also be identified using other methods. See p. 35 of manual.

Notes:

Sketch: