

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: S11e

Date: 03/21/2019	Project/Site: Adirondack Tract	Latitude: 30.5284004211425
Evaluator: TTL, Inc./C. Terrell	County: Charlton	Longitude: -82.0898971557617
Total Points: <i>Stream is at least intermittent if ≥ 19 or perennial if ≥ 30*</i>	Stream Determination: Ephemeral	St. George, GA <i>e.g. Quad Name:</i>
16.00		

A. Geomorphology (Subtotal = <u>6.00</u>)	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	

^a artificial ditches are not rated; see discussions in manual

B. Hydrology (Subtotal = <u>3.00</u>)	Absent	Weak	Moderate	Strong
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 = <u>7.00</u>)	Absent	Weak	Moderate	Strong
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: