

NC DWQ Stream Identification Form Version 4.11 *Bridge 91071*

SA

ACO2

Date: <i>4/13/12</i>	Project/Site: <i>Bridge 121</i>	Latitude: <i>36.007159</i>
Evaluator: <i>A. E. F. A.</i>	County: <i>Wake</i>	Longitude: <i>-78.528931</i>
Total Points: <i>Stream is at least intermittent if ≥ 19 or perennial if ≥ 30*</i> <i>37.5</i>	Stream Determination (circle one) Ephemeral Intermittent <u>Perennial</u>	Other e.g. Quad Name:

A. Geomorphology (Subtotal = <i>19</i>)				
	Absent	Weak	Moderate	Strong
1 ^a . Continuity of channel bed and bank	0	1	2	<i>(3)</i>
2. Sinuosity of channel along thalweg	0	1	<i>(2)</i>	3
3. In-channel structure: ex. riffle-pool, step-pool, ripple-pool sequence	0	1	<i>(2)</i>	3
4. Particle size of stream substrate	0	1	<i>(2)</i>	3
5. Active/relict floodplain	0	<i>(1)</i>	2	3
6. Depositional bars or benches	0	1	<i>(2)</i>	3
7. Recent alluvial deposits	0	1	<i>(2)</i>	3
8. Headcuts	<i>(0)</i>	1	2	3
9. Grade control	0	0.5	<i>(1)</i>	1.5
10. Natural valley	0	0.5	<i>(1)</i>	1.5
11. Second or greater order channel	No = 0		Yes = <i>(3)</i>	

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

B. Hydrology (Subtotal = <i>11.5</i>)				
12. Presence of Baseflow	0	1	2	<i>(3)</i>
13. Iron oxidizing bacteria	0	<i>(1)</i>	2	3
14. Leaf litter	<i>(1.5)</i>	1	0.5	0
15. Sediment on plants or debris	0	0.5	1	<i>(1.5)</i>
16. Organic debris lines or piles	0	0.5	1	<i>(1.5)</i>
17. Soil-based evidence of high water table?	No = 0		Yes = <i>(3)</i>	

C. Biology (Subtotal = <i>7</i>)				
18. Fibrous roots in streambed	3	<i>(2)</i>	1	0
19. Rooted upland plants in streambed	3	<i>(2)</i>	1	0
20. Macroinvertebrates (note diversity and abundance)	<i>(0)</i>	1	2	3
21. Aquatic Mollusks	<i>(0)</i>	1	2	3
22. Fish	0	0.5	1	<i>(1.5)</i>
23. Crayfish	0	0.5	<i>(1)</i>	1.5
24. Amphibians	<i>(0)</i>	<i>(0.5)</i>	1	1.5
25. Algae	<i>(0)</i>	0.5	1	1.5
26. Wetland plants in streambed	FACW = 0.75; OBL = 1.5 Other = <i>(0)</i>			

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

Notes:

Sketch: