

NC DWQ Stream Identification Form Version 4.11

Bridge - 290073

Date: Dec 4, 2014		Project/Site: SA	Latitude: 36.033688
Evaluator: Sam Beavans		County: Davie	Longitude: -80.678309
Total Points: Stream is at least intermittent if ≥ 19 or perennial if ≥ 30	39	Stream Determination: Perennial	Other: LONE HICKORY <i>e.g. Quad Name:</i>

A. Geomorphology (Subtotal = 21.5)

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

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

B. Hydrology (Subtotal = 8)

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

C. Biology (Subtotal = 9.5)

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

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

Notes:	Bank Height (feet)	3-4
	Bankfull Width (feet)	10-12
	Water Depth (inches)	6-12
	Channel Substrate	Sand/gravel/bedrock/cobble
	Velocity:	Moderate
	Clarity:	Clear
Sketch:		