

NC DWQ Stream Identification Form Version 4.11

SB

Date: Feb 17, 2016		Project/Site: B-5711/Bridge 245	Latitude: 35.400507
Evaluator: K. Hamlin, W. Smith		County: Harnett	Longitude: -78.734028
Total Points: Stream is at least intermittent if ≥ 19 or perennial if ≥ 30	19.75	Stream Determination: Intermittent	Other: Coats, NC (1:24K) e.g. Quad Name:

A. Geomorphology (Subtotal = 6.5)

	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	0
3. In-Channel structure: ex. riffle-pool, step-pool, ripple-pool sequence	0	1	2	3	0
4. Particle size of stream substrate	0	1	2	3	1
5. Active/relic floodplain	0	1	2	3	0
6. Depositional bars or benches	0	1	2	3	0
7. Recent alluvial deposits	0	1	2	3	1
8. Headcuts	0	1	2	3	1
9. Grade controls	0	0.5	1	1.5	0
10. Natural valley	0	0.5	1	1.5	0.5
11. Second or greater order channel	No = 0		Yes = 3		0

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

B. Hydrology (Subtotal = 9)

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

C. Biology (Subtotal = 4.25)

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

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

Notes:

1. Lots of rain within 24 hours combined with backwater from impounded creek may be reason for water in channel
2. Arundinaria gigantea (FACW) in streambed

Bank Height (feet)	1
Bankfull Width (feet)	2
Water Depth (inches)	6"
Channel Substrate	Gravel
Velocity:	Slow
Clarity:	Slightly Turbid

Sketch: