

# North Carolina Division of Water Quality – Stream Identification Form; Version 3.1

|   |                 |  |
|---|-----------------|--|
| <b>Date:</b>  | <b>Project:</b> | <b>Latitude:</b>                       |
| <b>Evaluator:</b>   | <b>Site:</b>    | <b>Longitude:</b>                      |
| <b>Total Points:</b><br><i>Stream is at least intermittent if ≥ 19 or perennial if ≥ 30</i> | <b>County:</b>  | <b>Other</b><br><i>e.g. Quad Name:</i> |

| A. Geomorphology (Subtotal = _____)   | Absent | Weak | Moderate | Strong |
|---|--------|------|----------|--------|
| 1 <sup>a</sup> . Continuous bed and bank  | 0      | 1    | 2        | 3      |
| 2. Sinuosity  | 0      | 1    | 2        | 3      |
| 3. In-channel structure: riffle-pool sequence   | 0      | 1    | 2        | 3      |
| 4. Soil texture or stream substrate sorting   | 0      | 1    | 2        | 3      |
| 5. Active/relic floodplain  | 0      | 1    | 2        | 3      |
| 6. Depositional bars or benches   | 0      | 1    | 2        | 3      |
| 7. Braided channel  | 0      | 1    | 2        | 3      |
| 8. Recent alluvial deposits   | 0      | 1    | 2        | 3      |
| 9 <sup>a</sup> Natural levees   | 0      | 1    | 2        | 3      |
| 10. Headcuts  | 0      | 1    | 2        | 3      |
| 11. Grade controls  | 0      | 0.5  | 1        | 1.5    |
| 12. Natural valley or drainageway   | 0      | 0.5  | 1        | 1.5    |
| 13. Second or greater order channel on <u>existing</u> USGS or NRCS map or other documented evidence. | No = 0 |      | Yes = 3  |        |

<sup>a</sup> Man-made ditches are not rated; see discussions in manual

| B. Hydrology (Subtotal = _____)   | Absent | Weak | Moderate  | Strong |
|---|--------|------|-----------|--------|
| 14. Groundwater flow/discharge  | 0      | 1    | 2         | 3      |
| 15. Water in channel and > 48 hrs since rain, <u>or</u> Water in channel -- dry or growing season | 0      | 1    | 2         | 3      |
| 16. Leaf litter   | 1.5    | 1    | 0.5       | 0      |
| 17. Sediment on plants or debris  | 0      | 0.5  | 1         | 1.5    |
| 18. Organic debris lines or piles (Wrack lines)   | 0      | 0.5  | 1         | 1.5    |
| 19. Hydric soils (redoximorphic features) present?  | No = 0 |      | Yes = 1.5 |        |

| C. Biology (Subtotal = _____)                         | Absent   | Weak | Moderate | Strong |
|---|--|------|----------|--------|
| 20 <sup>b</sup> . Fibrous roots in channel            | 3  | 2    | 1        | 0      |
| 21 <sup>b</sup> . Rooted plants in channel            | 3  | 2    | 1        | 0      |
| 22. Crayfish  | 0  | 0.5  | 1        | 1.5    |
| 23. Bivalves  | 0  | 1    | 2        | 3      |
| 24. Fish  | 0  | 0.5  | 1        | 1.5    |
| 25. Amphibians  | 0  | 0.5  | 1        | 1.5    |
| 26. Macroinvertebrates (note diversity and abundance) | 0  | 0.5  | 1        | 1.5    |
| 27. Filamentous algae; periphyton                     | 0  | 1    | 2        | 3      |
| 28. Iron oxidizing bacteria/fungus.                   | 0  | 0.5  | 1        | 1.5    |
| 29 <sup>b</sup> . Wetland plants in streambed         | FAC = 0.5; FACW = 0.75; OBL = 1.5 SAV = 2.0; Other = 0 |      |          |        |

<sup>b</sup> Items 20 and 21 focus on the presence of upland plants, Item 29 focuses on the presence of aquatic or wetland plants.

Notes: (use back side of this form for additional notes.)

Sketch:

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