Appendix I   
DEQ Stream Identification Field Data Form

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Project/Site: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ City/County: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Applicant/Owner: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Investigator(s): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Landform (hillslope, terrace, etc.): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Local relief (concave, convex, none): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Slope (%): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Lat: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Long: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Datum: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **SUMMARY OF FINDINGS – Attach site map showing sampling point locations within and upstream of the head of the stream.**  **Stream bed present:  Yes  No**  **Stream bank present:  Yes  No**  **OHWM present:  Yes  No** | **Stream Identified:  Yes  No** |

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| Site overview from remote and online resources.  **Check boxes for online resources used to evaluate site:**  Gage data  LIDAR  Regional Curve Data  Soil Survey  Climatic data  Topographic Maps  Aerial photos  Other | Describe land use and flow regime conditions from online resources. **Were there any recent extreme events (flooding or drought)?** |
| **Check the boxes next to the field indicators used in stream determination:**  *Geomorphic Indicators:*  **Channel Bank Features**  Natural line impressed on bank (above or below bankfull)  Undercut bank  Break in slope (on bank or at valley bottom)  Continuous bed and bank  Shelving (Top of bank, natural levee, or other)  Clear bankfull storm event indicators present  **Channel Bars**  Shelving (on bar)  Unvegetated (on bar)  Vegetation transition (on bar)  Sediment transition or sorting (on bar)  Upper limit of deposition (on bar)  **Channel Bed / Bedload Transport Evidence**  Depositional (deposited sediment, lateral bars, mid channel bars, etc.)  Bedform features (riffle, pool, steps, etc.)  Erosional (scour, smoothing, etc.)  Secondary channel (lateral or parallel along the same valley or floodplain)  Evidence of thalweg  Headcuts (with other evidence)  Hydric soil development (changes in the character of soil)  Mudcracks (found within an unvegetated flow path/channel)  Changes in particle-size distribution (sediment sorting)  *Vegetation Indicators:*  **Change in Vegetation Type / Density**  Vegetation absent (channel bed)  Vegetation matted down or bent (channel bed or bars)  Exposed roots below intact soil layer (channel banks)  Destruction of terrestrial vegetation (channel banks, top of bank, etc.)  Change in plant community (transition from channel bed to floodplain)  *Ancillary Indicators:*  Wracking/presence of organic litter (along channel banks or floodplain)  Presence of obstacle marks (i.e. erosion/sedimentation around large obstacles in flow path)  Leaf litter disturbed or absent  Water staining  Weathered clast or bedrock  Deposited sediment within leaf pack (floodplain) | |
| **Other observed Indicators and/or additional observations?** | |
| **Describe rational for location of stream and provide supporting evidence for stream identification:** | |
| **Chesapeake Bay Preservation Act Flow Regime Determination (if applicable):**  **Site within CBPA locality?  Yes  No**  **If Yes, which flow regime determination was used:**  **NC DWQ  Fairfax  James City County**  **Flow Regime Determination Results:  Ephemeral  Intermittent  Perennial** | |

*Note: Please refer to the “USACE 2022 National OHWM Field Delineation Manual for Rivers and Streams: Interim Version” at* [*http://dx.doi.org/10.21079/11681/46102*](http://dx.doi.org/10.21079/11681/46102) *for detail on terminology.*