Appendix I
DEQ Stream Identification Field Data Form

DEQ Stream Identification Field Data Form

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

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

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

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

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

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

|  |  |
| --- | --- |
| **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** |

|  |  |
| --- | --- |
| 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.*