**STREAM SURVEY DATA SHEET** (VSS 034D) - Item #8.3

|  |  |  |  |
| --- | --- | --- | --- |
| APPLICANT |  | Application/Permit No. |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Stream |  | Tributary to |  | Watershed |  |
| County |  | Location |  | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Elevation from |  | to |  | Stocked Trout Stream |  | Yes |  | No |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Date of Survey |  | | Weather during Survey | | | |  | | Preceding 24 hours |  |
| Temperature (C) | Air |  | Water | |  | | Time of Day | |  |  |
| Water quality tested? |  | Yes |  | No |  | pH |  | Other analyses (specify ) | |  |
| Method used in sampling: | |  | | | | | | | | |
| Survey conducted by: | |  | | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | Length | Average Width | | Maximum Depth | | Average Depth |
| Pool Size | | | |  |  | |  | |  |
| Riffle Size | | | |  |  | |  | |  |
| Flat Size | | | |  |  | |  | |  |
| Total length of stream section which will be affected: (in feet) | | | | | |  | | |  |
|  | Yes |  | No | Has stream been channelized? If yes, indicate sections ( ) | | | |  | |
|  | Yes |  | No | Do sections of the stream go dry during the summer? If yes, identify the sections ( ) | | | |  | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Flow Stage1 |  | Amount of Stream Channel Occupied by Flow2 | | |  | Siltation Rate3 |  |
| Turbidity4 |  | Color5 |  | Aquatic Vegetation6 |  |  | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Bank Stability** (%) | Highly Stable |  | Slightly Erodable |  | Moderately Erodable |  | Highly Erodable |  |
| **Fish Cover** (%) | Deep Pools |  | Rooted Aquatics |  | Overhanging Brush |  | Undercut Bank |  |
|  | Rock Ledges |  | Large Rocks |  | Debris in Stream |  | **Overall Rating**7 |  |

1 Flow Stage: A = above normal N = normal B = below normal

2 Stream flow: A = 75-100% B = 50-75% C = 30-50% D = 10-30% E = less than 10%

1. Siltation: H = heavy M = moderate S = slight N = none noticeable
2. Turpidity: 1 = clear 2 = slightly discolored 3 = murky 4 = muddy 5 = very muddy
3. Color: W = white Y = yellow L = light brown D = dark brown O = other (specify in comment section) 6 Aquatic vegetation: R = rooted E = emergent A = algae M = moss N = none
4. Overall rating: 1 = excellent 2 = good 3 = fair 4 = poor

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Bottom Type** (by %) | Sand |  | Organic Debris |  | Fine Gravel |  | Small Rubble |  |
|  | Bedrock |  | Muck, Silt & Clay |  | Coarse Gravel |  | Large Rubble |  |
|  | Boulders |  |  | | | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INVERTEBRATES** | | **VERTEBRATES** | |
| Species | Abundance8 | Species | Abundance |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**GENERAL COMMENTS**: (Please include any observations which describe the general condition of the stream; channelized sections; areas of intermittent flow; noted deviation of the stream location (as compared to that shown on the USGS map); and, any unusual or unnatural conditions relative to the stream.):

1. Abundance: 1 = abundant 2 = common 3 = rare