**Pollutants Controlled Report**

NPS Grants Program, Maine Department of Environmental Protection

|  |  |
| --- | --- |
| Year: |  |
| Project #: |  | Project Title: | |  | |
| Grantee: |  | | DEP Agreement Admin.: | |  |

**1. Pollutant Load Reduction Estimates for NPS Sites Treated with BMPs**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Water Body Name** | **Sediment**  Tons/Yr | **Phosphorus**  Pounds/Yr | **Nitrogen**  Pounds/Yr | **Streambank or Shoreline Protected**  Feet |
|  |  |  |  |  |
|  |  |  |  |  |
| **Totals** |  |  |  |  |

**2. NPS Sites, Methods Used, and Pollutants Controlled**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Site ID** | **Brief NPS Site Description** | **Method** (See list below) | **Sediment**  Tons/Yr | **Phosphorus**  Pounds/Yr | **Nitrogen**  Pounds/Yr | **Streambank or Shoreline Protected**  Feet |
|  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **Totals for the Year:** | | |  |  |  |  |

**Pollutant Load Reduction Estimation Methods**

Region 5 Model. Region 5 Load Reduction Model Sub-methods

<http://it.tetratech-ffx.com/steplweb/STEPLmain_files/Region5manual.pdf>

|  |  |
| --- | --- |
| R5/GEE | Gully Erosion Equation for Gully Stabilization |
| R5/CEE | Channel Erosion Equation for Streambank/Ditchbank/Roadbank Stabilization |
| R5/Fields | Uses Revised Universal Soil Loss Equation (RUSLE), sediment delivery ratio and contributing drainage area for Agricultural Fields |
| R5/Filter | Uses Relative gross filter strip effectiveness Filter Strips |
| R5/Feedlot | 12 step method for Feedlot Pollution Reduction |
| R5/Urban | Urban Runoff BMP Pollutant Load Reduction Worksheet |

WEPP Model. Water Erosion Prediction Project (WEPP) computer model <http://forest.moscowfsl.wsu.edu/fswepp/>

STEPL. Spreadsheet Tool for the Estimation of Pollutant Load

<http://it.tetratech-ffx.com/steplweb/STEPLmain_files/STEPLGuide310.pdf>

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**3. BMP Types** - Select BMPs from the list below that best describe those used at NPS sites.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Gravel Roads & Driveways:** | | | | **Urban, Lake, & Watershed:** | | | | | | | | **Agricultural:** | | | | |
|  | | Camp Road Crowning/Ditching | |  | Catch Basin Treatment System Inserts | | | | | | |  | | Access Road | | |
|  | | Check Dams | |  | Filter Strip | | | | | | |  | | Contoured Buffer Strip | | |
|  | | Culvert Armoring | |  | Infiltration Trench | | | | | | |  | | Conservation Cover | | |
|  | | Ditch Stabilization | |  | Mulching | | | | | | |  | | Conservation Crop Rotation | | |
|  | | Road Ditch Creation / Improvement | |  | Raingarden / Bioretention Basin | | | | | | |  | | Diversion | | |
|  | | Sediment Basin | |  | Roof Runoff Management | | | | | | |  | | Filter Strip | | |
|  | | Water bars | |  | Streambank & Shoreline Protection | | | | | | |  | | Grassed Waterway | | |
|  | | Other (list below): | |  | Other (list below): | | | | | | |  | | Heavy Use Area Protection | | |
|  | |  | |  |  | | | | | | |  | | Lined Waterway (includes rock or grass-lined waterway) | | |
|  | |  | |  |  | | | | | | |  | | Sediment Basin | | |
|  | |  | |  |  | | | | | | |  | | Stream Crossing | | |
|  | |  | |  |  | | | | | | |  | | Stream Exclusion Fencing | | |
|  | |  | |  |  | | | | | | |  | | Waste Storage Facility | | |
|  | |  | |  |  | | | | | | |  | | Watering Facility | | |
|  | |  | |  |  | | | | | | |  | | Other (list below): | | |
|  | |  | |  |  | | | | | | |  | |  | | |
| **4. Certification** | | | | | | | | | | | | | | |
| To the best of my knowledge, the estimates in this report are reasonable. The estimates were determined using the appropriate model(s) and applied according to the procedures prescribed for the model(s). Documentation is attached to this PCR for review by DEP / EPA. | | | | | | | | | | | | | | |
| Prepared by: | |  | | | |  |  | |  | | | | |  |
|  | | Name | | | |  |  | | Date | | | | |  |
|  | |  | | |  | |  | | |  | |  | |  |
| DEP Reviewer: | |  | | | |  | |  |  | | | | |
|  | | Name | | | |  | |  | Date | | | | |