



eLINK Guidance Document

Choosing the best estimator

January 2015

Purpose: This document provides guidance on the choosing the best pollution reduction estimator for the Best Management Practice (BMP) proposed or reported in eLINK.

This document is a guide to selecting pollution reduction estimators for Best Management Practices (BMPs). Multiple estimators are listed for some BMPs and you may choose which are most appropriate. Not all estimators listed need to be used, however in many circumstances using more than one is necessary to estimate a suite of pollutants. The choice of estimator depends on site specific characteristics. BMPs without a recommended estimator are labeled with “Not Applicable”, “Not currently available or under development” or “Prevention”. Definitions of each practice can be found in the “Practices” eLINK Guidance Document, found at <http://www.bwsr.state.mn.us/outreach/eLINK/Guidance/Practices.pdf>.

Not Applicable includes BMPs that are either unlikely to reduce pollution or pollution reduction is too site specific and a generalized estimator is not appropriate.

Not currently available or under development includes BMPs for which estimators do not exist or BWSR does not recommend a specific estimator.

Prevention includes BMPs which are recognized as preventing pollution rather than mitigating an existing pollution concern.

Note: This guidance document does not include all available pollution reduction estimators or models. Use of peer reviewed/professionally accepted estimators or models are acceptable when available and appropriate. For more details on NRCS practice standards, visit Section IV of the NRCS Field Office Technical Guide at <http://efotg.sc.egov.usda.gov/>.

| Practice Name | Code | Suggested Estimator |
|---|------|--|
| Access Control | 472 | Not Applicable |
| Access Road | 560 | Not Applicable |
| Alternative Tile Intake - Dense Pattern Tiling | 170M | Not currently available or under development |
| Alternative Tile Intake - Gravel Inlet | 172M | Not currently available or under development |
| Alternative Tile Intake - Other Blind Intake | 173M | Not currently available or under development |
| Alternative Tile Intake - Perforated Riser Intake | 171M | Not currently available or under development |
| Alum addition - In Lake | 563M | Not currently available or under development |
| Anaerobic Digester | 366 | Not currently available or under development |
| Animal Mortality Facility | 316 | Prevention |
| Aquatic Vegetation Management | 565M | Not currently available or under development |
| Bioretention Basin | 712M | MPCA MIDS |

| Practice Name | Code | Suggested Estimator |
|--|------|---|
| Brush Management | 314 | Not Applicable |
| Chloride - anti-ice | | Prevention |
| Chloride - Equipment Upgrades | | Prevention |
| Chloride - pre-wet | | Prevention |
| Chloride - Reduce Waste/Spills | | Prevention |
| Chloride - Storage and Maintenance | | Prevention |
| Chloride Reduction Practices | 610M | Prevention |
| Clearing and Snagging | 326 | Not currently available or under development |
| Closure of Waste Impoundments | 360 | MinnFARM |
| Composting Facility | 317 | Not currently available or under development |
| Conservation Cover | 327 | BWSR Sheet/Rill, RUSLE2, WEPS |
| Conservation Crop Rotation | 328 | BWSR Sheet/Rill, RUSLE2, WEPS |
| Conservation Easement | 327M | Not Applicable |
| Conservation Tillage | 329B | RUSLE2, WEPS |
| Contaminant Source Inventory | | Not Applicable |
| Contour Buffer Strips | 332 | BWSR Sheet/Rill, RUSLE2 |
| Contour Farming | 330 | BWSR Sheet/Rill, RUSLE2 |
| Cooperative Weed Management Area | 613M | Not Applicable |
| Cover Crop | 340 | BWSR Sheet/Rill, RUSLE2, WEPS |
| Critical Area Planting | 342 | BWSR Filter strip, BWSR Sheet/Rill, RUSLE2, WEPS |
| Dam | 402 | Not Applicable |
| Denitrifying Bioreactor | 747 | Not currently available or under development |
| Diversion | 362 | Not currently available or under development |
| Drainage System Inventory | | Not Applicable |
| Drainage Water Management | 554 | Not currently available or under development |
| Erosion Control | 148M | BWSR Filter strip, BWSR Gully, BWSR Sheet/Rill, BWSR Stream & Ditch, RUSLE2, WEPS |
| Feedlot Inventory | | Not Applicable |
| Feedlot Relocation/Retirement | 391M | Not Applicable |
| Filter Strip | 393 | BWSR Filter strip, RUSLE2 |
| Fish Management | 392M | Not Applicable |
| Forage and Biomass Planting | 512 | Not Applicable |
| Forest Management Plan | | Prevention |
| Forestry Management | 147M | Not currently available or under development |
| Grade Stabilization Structure | 410 | BWSR Gully |
| Grassed Waterway and Swales | 412 | BWSR Gully, MPCA MIDS, RUSLE2 |
| Green Roof | 805M | MPCA MIDS |
| Groundwater Monitoring | | Not Applicable |
| Heavy Use Area Protection | 561 | Not Applicable |
| Infiltration Trench | 803M | MPCA MIDS |
| Inspections | | Not Applicable |
| Irrigation Water Management | 449 | Not Applicable |
| Land Reclamation, Abandoned Mined Land | 543 | Not Applicable |
| Lined Waterway or Outlet | 468 | BWSR Gully |
| Multi-stage Ditch | | Not Applicable |
| Nutrient Management | 590 | Prevention |
| Nutrient Management Plan | | Not Applicable |

| Practice Name | Code | Suggested Estimator |
|--|------|--|
| Obstruction Removal | 500 | Not Applicable |
| Permeable Surfaces | 804M | MPCA MIDS |
| Pest Management | 595 | Not Applicable |
| Policy Development | | Not Applicable |
| Pond for Water Use | 378 | Not Applicable |
| Pond maintenance | 164M | Not currently available or under development |
| Pond, Push-up | 163M | Not Applicable |
| Prescribed Burning | 338 | Not Applicable |
| Prescribed Grazing | 528 | Prevention |
| Publications | | Not Applicable |
| Pumping Plant | 533 | Not Applicable |
| Ravine/Gully Inventory | | Not Applicable |
| Restoration and Management of Declining Habitats | 643 | Not currently available or under development |
| Riparian Forest Buffer | 391 | BWSR Steam & Ditch |
| Riparian Herbaceous Cover | 390 | BWSR Filter strip, BWSR Stream & Ditch |
| Roof Runoff Management | 558 | MinnFARM |
| Sediment Basin | 350 | BWSR Gully, RUSLE2 |
| Septic System Improvement | 126M | Septic System Improvement Estimator |
| Sinkhole Treatment | 527 | Prevention |
| Staff Time | | Not Applicable |
| Storm Water Retention Basins | 155M | MPCA MIDS |
| Stream Channel Stabilization | 584 | BWSR Stream & Ditch |
| Streambank and Shoreline Protection | 580 | BWSR Stream & Ditch |
| Stripcropping | 585 | BWSR Sheet/Rill, RUSLE2, WEPS |
| Structure for Water Control | 587 | *** If used as a component of a Grade Stabilization, Sediment Basin or Terrace, use estimators for complimentary BMP *** |
| Subsurface Sewage Treatment System Inventory | | Not Applicable |
| Subwatershed Analysis | | Not Applicable |
| Surface Water Monitoring | | Not Applicable |
| Survey | | Not Applicable |
| Terrace | 600 | BWSR Gully, RUSLE2 |
| Tile System Design | ??M | Not Applicable |
| Training | | Not Applicable |
| Tree/Shrub Establishment | 612 | Not currently available or under development |
| Turf Management | 806M | Prevention |
| Upland Wildlife Habitat Management | 645 | Not Applicable |
| Walk-In Access | 325M | Not Applicable |
| Waste Facility Cover | 367 | Not Applicable |
| Waste Management System | 312 | MinnFARM |
| Waste Storage Facility | 313 | MinnFARM |
| Waste Treatment | 629 | Not currently available or under development |
| Waste Utilization | 633 | Not Applicable |
| Water and Sediment Control Basin | 638 | BWSR Sheet/Rill, RUSLE2, BWSR Gully |
| Water Reuse | 636 | MPCA MIDS |
| Water Well | 642 | Not Applicable |
| Watering Facility | 614 | Not Applicable |

| Practice Name | Code | Suggested Estimator |
|-------------------------------------|------|--|
| Well Decommissioning | 351 | Prevention |
| Wetland Creation | 658 | Not currently available or under development |
| Wetland Inventory | | Not Applicable |
| Wetland Restoration | 657 | Not currently available or under development |
| Wetland Wildlife Habitat Management | 644 | Not currently available or under development |
| Windbreak/Shelterbelt Establishment | 380 | WEPS |
| Windbreak/Shelterbelt Renovation | 650 | Not currently available or under development |
| Workshop/Clinics/ Presentations | | Not Applicable |