

COUNTY: Lycoming		Detailed BMP Entry Form						
					**see "Input Info" tab for more information regarding BMP entry**			
Sector	BMP Name	BMP Quantity	Measurement Unit	New or Total Acres	Notes:	CAP Planning Template name	CAP Project	
Toolbox BMP Suggestions								
Agriculture	Tillage Management-Conservation	600	acres	New Acres	300 acres/yr increase starting 2023	Increase no-till/conservation tillage BMPs	Increase no-till/conservation tillage BMPs	
Agriculture	Nutrient Management Core N	1000	acres	New Acres	1000 new acres by 2025	Ag Land Nutrient Management – Basic Nutrient Management	Track nitrogen and phosphorus in Practice Keeper	
Agriculture	Nutrient Management N Placement	1000	acres	New Acres	1000 new acres by 2025	Ag Land Nutrient Management – Basic Nutrient Management	Track nitrogen and phosphorus in Practice Keeper	
Agriculture	Nutrient Management N Rate	1000	acres	New Acres	1000 new acres by 2025	Ag Land Nutrient Management – Basic Nutrient Management	Track nitrogen and phosphorus in Practice Keeper	
Agriculture	Nutrient Management N Timing	1000	acres	New Acres	1000 new acres by 2025	Ag Land Nutrient Management – Basic Nutrient Management	Track nitrogen and phosphorus in Practice Keeper	
Agriculture	Nutrient Management Core P	1000	acres	New Acres	1000 new acres by 2025	Ag Land Nutrient Management – Basic Nutrient Management	Track nitrogen and phosphorus in Practice Keeper	
Agriculture	Nutrient Management P Placement	1000	acres	New Acres	1000 new acres by 2025	Ag Land Nutrient Management – Basic Nutrient Management	Track nitrogen and phosphorus in Practice Keeper	
Agriculture	Nutrient Management P Rate	1000	acres	New Acres	1000 new acres by 2025	Ag Land Nutrient Management – Basic Nutrient Management	Track nitrogen and phosphorus in Practice Keeper	
Agriculture	Nutrient Management P Timing	1000	acres	New Acres	1000 new acres by 2025	Ag Land Nutrient Management – Basic Nutrient Management	Track nitrogen and phosphorus in Practice Keeper	
Agriculture	Cover Crop Traditional Wheat Normal Other	8000	acres	New Acres	8000 new acres by 2025	Increase cover crop BMPs	Increase cover crop BMPs	
Agriculture	Precision Intensive Rotational/Prescribed Grazing	2700	acres	New Acres	2700 new acres by 2025	Increase rotational/prescribed grazing	Increase rotational/prescribed grazing	
Agriculture	Soil Conservation and Water Quality Plans	21700	acres	New Acres	21700 new acres - appx 200 more management plans will be developed by 2025	Ag Land Nutrient Management – Basic Nutrient Management	manure management plans for non-CAOs and non-CAFOs	
Agriculture	Soil Conservation and Water Quality Plans	9200	acres	New Acres	9200 new acres - Ag E&S plans for operations that need them	Soil Conservation and Water Quality Plans	Write Ag Erosion & Sediment (E&S) Plans for operations that still need them	
Agriculture	Land Retirement to Pasture	3,500	acres	New Acres	Annually achieve up to 3000 acres of hay-producing pasture; 500 acres of non-hay producing pasture	Increase buffer BMPs	Field border - hay producing; non-hay producing	
Agriculture	Grass Buffer	500	acres	New Acres	Annually achieve up to 500 acres of non-hay grass buffer	Increase buffer BMPs	Field border - not hay-producing	
Agriculture	Barnyard Runoff Control	40	acres	New Acres	40 acres by 2025	Increase barnyard runoff control	Multiple BMPs for about 20 farms	
Agriculture	Agriculture Stormwater Management	49.1	acres	New Acres	49.1 acres by 2025	Increase Heavy Use Area Protection	2 projects/year	
Animals	Animal Waste Management System	10	number of systems	New Systems	10 systems by 2026	Increase manure storage facilities	2 projects/year	
NRCS Ag Projects								
Agriculture	Agriculture Stormwater Management	11.9	acres	New acres	11.9 acres by 2025 (this is a total of current NRCS projects)	Implement NRCS Projects	Multiple Projects	
Agriculture	Soil Conservation and Water Quality Plans	1220	acres	New Acres	1220 acres by 2025	Implement NRCS Projects	Multiple Projects	
Agriculture	Water Control Structures	285.8	acres	New Acres	285.8 acres by 2025	Implement NRCS Projects	Multiple Projects	
Agriculture	Off Stream Watering Without Fencing	20.3	acres	New Acres	20.3 acres by 2025	Implement NRCS Projects	Multiple Projects	
Agriculture	Forest Buffer-Narrow with Exclusion Fencing	48.9	acres	New Acres	48.9 acres by 2025	Implement NRCS Projects	Multiple Projects	
Agriculture	Precision Intensive Rotational/Prescribed Grazing	153	acres	New Acres	153 acres by 2025	Implement NRCS Projects	Multiple Projects	
Agriculture	Land Retirement to Pasture	6	acres	New Acres	6 acres by 2025	Implement NRCS Projects	Multiple Projects	
Agriculture	Land Retirement to Ag Open Space	9.75	acres	New Acres	9.75 acres by 2025	Implement NRCS Projects	Multiple Projects	
Agriculture	Forest Buffer	9.2	acres	New Acres	9.2 acres by 2025	Implement NRCS Projects	Multiple Projects	
Agriculture	Grass Buffer	117.2	acres	New Acres	117.2 acres by 2025	Implement NRCS Projects	Multiple Projects	
Agriculture	Soil Conservation and Water Quality Plans	1550	acres	New Acres	1550 new acres per year	Implement NRCS Projects	Multiple Projects	
Northcentral PA Conservancy BMPs								
Agriculture	Forest Buffer	5	acres	New Acres	5 acres - currently in concept phase	Northcentral PA Conservancy	Future projects	

Natural	Non Urban Stream Restoration	2000	feet	New Feet	2000 feet by 2025	Northcentral PA Conservancy	Plunketts Creek stream restoration
Implemented Agriculture Reimbursement Program (Team Ag or Larson) from July 1, 2019 through June 30, 2021							
Agriculture	Soil Conservation and Water Quality Plans	746.31	acres	New Acres	746.31 acres	Not in CAP planning doc	
Agriculture	Tillage Management-Continuous High Residue	786.13	acres	New Acres	786.13 acres	Not in CAP planning doc	
Developed BMPs							
Developed	Conservation Landscaping Practices	20	acres	New Acres	20 acres by 2025	Turf field Nutrient Management	Lawn conversion - The conversion of managed turf into actively maintained perennial meadows, using species that are native to the Chesapeake Bay region
Developed	Dirt & Gravel Road Erosion & Sediment Control - Driving Surface Aggregate + Raising the Roadbed	10	feet	New Feet	10 feet by 2025	Dirt and Gravel Roads	Dirt and Gravel Roads
Developed	Dirt & Gravel Road Erosion & Sediment Control - Driving Surface Aggregate with Outlets	49	feet	New Feet	49 feet by 2025	Dirt and Gravel Roads	Dirt and Gravel Roads
Developed	Dirt & Gravel Road Erosion & Sediment Control - Outlets only	1	feet	New Feet	1 foot by 2025	Dirt and Gravel Roads	Dirt and Gravel Roads
Developed	Impervious Surface Reduction	5	acres	New Acres	5 acres by 2025	Reassess parking requirements in ordinances to reduce the amount of impervious surface	Multiple projects
Developed	Bioretention/raingardens - C/D soils, underdrain	10	acres	New Acres	10 acres by 2025	Green infrastructure	Rain gardens
Developed	Filter Strip Runoff Reduction	10	acres	New Acres	10 acres by 2025	Green infrastructure	Multiple projects
Developed	Filter Strip Stormwater Treatment	10	acres	New Acres	10 acres by 2025	Green infrastructure	Multiple projects
Developed	Filtering Practices	10	acres	New Acres	10 acres by 2025	Green infrastructure	Multiple projects
Developed	Tree Planting - Canopy	200	acres	New Acres	200 acres by 2025	Green infrastructure	Tree planting
Developed	Wet Ponds and Wetlands	100	acres	New Acres	100 acres by 2025	Green infrastructure	Wetland restoration
Developed	Bioswale	5	acres	New Acres	5 acres of bioswales by 2025	Green infrastructure	Bioswales
Developed	Forest Planting	100	acres	New Acres	100 acres of plantings by 2025	Expand Planting Projects	Multiple projects
Developed	Infiltration Practices w/ Sand, Veg. - A/B soils, no underdrain	1	acres	New Acres	1 acre treated by 2025	Reassess Stormwater Ordinances	Dry Well option for residential development
MS4 BMPs							
Developed	Infiltration Practices w/ Sand, Veg. - A/B soils, no underdrain	323.40	acres	New Acres	323.4 new acres by 2025	Continue MS4 Program	Multiple projects
Developed	Stormwater Performance Standard-Stormwater Treatment	345.50	acres	New Acres	345.5 new acres by 2025	Continue MS4 Program	Multiple projects
Developed	Impervious Surface Reduction	100.00	acres	New Acres	100 new acres by 2025	Continue MS4 Program	Multiple projects
Natural	Urban Stream Restoration	5450.00	feet	New Feet	5450 new feet by 2025	Continue MS4 Program	Multiple projects
Developed	Permeable Pavement w/ Sand, Veg. - A/B soils, no underdrain	3.5	acres	New Acres	3.5 new acres by 2025	Continue MS4 Program	Multiple projects
Developed	Forest Buffer	9.4	acres	New Acres	9.4 new acres by 2025	Continue MS4 Program	Multiple projects
Developed	Bioretention/raingardens - A/B soils, underdrain	15.86	acres	New Acres	15.86 new acres by 2025	Continue MS4 Program	Multiple projects
Developed	Storm Drain Cleaning	1377.10	lbs of sediment	New lbs	1377.1 new lbs by 2025	Continue MS4 Program	Multiple projects
Developed	Dirt & Gravel Road Erosion & Sediment Control - Driving Surface Aggregate + Raising the Roadbed	8.7	feet	New Feet	8.7 new feet by 2025	Continue MS4 Program	Multiple projects
Developed	Advanced Sweeping Technology - 1 pass/2 weeks	673.10	miles	New miles	673.1 new miles by 2025	Continue MS4 Program	Multiple projects

Implemented PennDOT Suburban/Urban Stormwater BMPs - 1984 through June 30, 2019							
Developed	Bioretention/raingardens - C/D soils, underdrain	10.49	acres	Total Acres	10.49 total acres	Not in CAP planning doc	
Developed	Dry Detention Ponds and Hydrodynamic Structures	15.39	acres	Total Acres	15.39 total acres	Not in CAP planning doc	
Developed	Infiltration Practices w/ Sand, Veg. - A/B soils, no underdrain	75.43	acres	Total Acres	75.43 total acres	Not in CAP planning doc	
Developed	Vegetated Open Channels - A/B soils, no underdrain	98.24	acres	Total Acres	98.24 total acres	Not in CAP planning doc	
Lycoming College Biology Field Station - Floodplain Restoration							
Natural	Non Urban Stream Restoration	2225	feet	New Feet	2225 feet treated	Floodplain restoration	Lyco College Biology Field Station Stream restoration
Trout Unlimited BMPs							
Developed	Dirt & Gravel Road Erosion & Sediment Control - Driving Surface Aggregate with Outlets	4235	feet	New Feet	4235 feet by 2025	Dirt and Gravel Roads	Trout Unlimited Project
Natural	Non Urban Stream Restoration	5280	feet	New Feet	5280 feet by 2025	Stream restoration	Channel bed stabilization - Tiadaghton St Forest chop and drop Browns Run, large wood additions
Natural	Non Urban Stream Restoration	1030	feet	New Feet	1030 feet by 2025	Stream restoration	Channel bed stabilization - Cemetary Rd, Bear Run
Sylvan Dell							
Natural	Wetland Rehabilitation	70	acres	New acres	70 acres by 2025	Sylvan Dell	Wetland Rehabilitation
Developed	Forest Planting	1	acres	New acres	Approximating 1 acre of trees - 200 trees planted	Sylvan Dell	Forest Planting
Pine Creek Valley Improvements							
Developed	Forest Buffer	20	acres	New acres	20 acres of forest buffer by 2025	Pine Creek Valley Improvements	Plant buffers
Municipal Park Improvements							
Developed	Forest Planting	6	acres	New acres	6 acres of plantings by 2025	Municipal Park Improvements	South Williamsport Park Improvements
Developed	Conservation Landscaping Practices	55	acres	New acres	55 acres of field conversion by 2025	Municipal Park Improvements	East Lycoming Rec Authority
Developed	Forest Planting	10	acres	New acres	10 acres of plantings by 2025	Municipal Park Improvements	Trout Run Park
Developed	Forest Planting	20	acres	New acres	20 acres of plantings by 2025	Municipal Park Improvements	Indian Park
Greenway Improvements							
Developed	Forest Buffer	430	acres	New acres	Estimated 430 acres when completed. Currently in conceptual phase and will require many years of planning and funding (36 miles - ~100 ft wide = 436 ac (minus what's already constructed)	Susquehanna Greenway - Lycoming County Portion	Forest Buffer