

Phase 3 Watershed Implementation Plan (WIP) Planning and Progress Template

Green - action has been completed or is moving forward as planned **Yellow** - action has encountered minor obstacles **Red** - action has not been taken or has encountered a serious barrier

Action #	Description	Performance Target(s)	Responsible Party(ies) and Partnerships	Geographic Location	Expected Timeline	Potential Implementation Challenges or Recommendations	Resources Available			Resources Needed			Review Checklist Comments
							Technical	Source	Financial	Source	Technical	Suggested Source	

Priority Initiative 1: Agriculture

1.1	Implement Nutrient Management Analysis Program to Agricultural Landowners	Create Program for farmers to apply for soil sampling, manure analysis, and agronomic assistance to allow technical assistance and recommendations for nutrient management implementation. BMP's will include Nutrient Core N and Nutrient Core P, Rate, Placement, and Timing.	PSU Extension, SCCD, Consultant	Agricultural and Hunting properties Targeting Appalachian Creek, Choconut Creek, Wappasening Creek, Snake Creek, Wyalusing Creek, Susquehanna River, Salt Lick Creek, Starrucca Creek, Meshoppen Creek, Tunkhannock Creek, and Lackawanna River Watersheds	2022- Creation of program with evaluation in 2025	Funding for initial 3 years of program, landowner participation, and understanding of data importance	Local agency educational materials and sampling kits Consultant assistance	NRCS, PSU Extension, SCCD, Private consultants Camp Kelly, Richmondal e Hunting Club Inc, Full Fan Lodge, Canawacta Rod and Gun Club	Sampling Kits (\$15) Manure Test Kits (\$40)	Private Landowner	Contracted Source for NMP analysis/recommendations List of recommended contacts for analysis completion	Private Consultant willing to complete testing and recommendations for landowners in the County	Dedicated funding to assist in management and development of this program \$30,000 for 1.1 – 1.1 a per year	Grants or State Agency funding NRCS Conservation Technical Assistance Program Target Local Hunting and Fishing Club members who own agricultural land	
1.1a	Soil Sampling Program	Develop Soil Sample Collection Program and Analysis – <u>12 sites per year</u>	PSU Extension, SCCD, Consultant	Agricultural and Hunting properties Targeting Lower, EB Tunkhannock Creek, Wilson	2022-2025		Education Materials Soil Sampling	NRCS, SCCD, PSU Ext, Penn State analytical lab Camp Kelly, Richmondal					\$15,000 per year	Growing Greener Education Grant Target Local Hunting and Fishing Club members	

1.2*	Reporting and Verification of Existing BMPs	Collect data through the use of landowner reporting forms and verify existing BMPs on agricultural operations. <u>50 farms per year</u>	DEP, SCCD, NRCS, PFB	County	2021-2025	Time Capacity, Data Entry, Release of Records, producer participation and resistance	Existing BMP's funded through Government programs are already recorded	SCC, PSU Extension, NRCS, SCCD, DEP	Agency verification	Staff Time	Dedicated staff or contracted staff to complete entry and inspections	Dedicated SCCD, or DEP staff	Dedicated funding to this position \$80,000 per year for staff salary	State funds
1.3	Existing BMP Maintenance Program	Assist producers with maintenance of existing BMP to keep them functioning. <u>10 farms per year</u>	SCCD, NRCS, PSU Extension, Farmland Preservation Board	Agricultural communities targeting impaired watersheds	2022-2025	Lack of existing funds for maintenance, farmer resistance to project completion	Design and inspection support, specifications and details	NRCS, PSU Extension, Consultants, SCC	Private funds	Private landowner	Design, permitting, engineering, and construction Prioritization of BMP's in need of maintenance	NRCS, Private consultants, SCCD, Contractors, PFB	Funds to complete maintenance activities, including design, permitting, and construction \$150,000 per year	State funds, Growing Greener, Agricultural grants
1.4	Agricultural Stream Protection BMPs	Implement BMPs for operations that are located directly on streams to improve overall stream quality. <u>1,250 Linear feet per year</u>	SCCD, NRCS, SCC, DEP, TU	Agricultural communities targeting impaired watersheds	2021-2025	Lack of funds for project completion, resistance from landowners, and lengthy permitting process	Design and permitting support, project location selection	NRCS, SCCD, DEP	Private Funds and existing grant programs	Growing Greener, ACT 13	Design, permitting, and construction support Additional outreach to identify projects	PACD, SCCD, NRCS, Consultants and contractors	Match funds or In Kind for existing grant programs Funding to complete additional projects \$250,000 per year	DCED Watershed Restoration and Protection Program (WRPP) Growing Greener, Act 13, 319 Funds
1.4a	Riparian Buffer Implementation	Implement riparian buffers on crop and pasture lands. Implement or verify <u>500 acres per year</u>	SCCD, NRCS, PSU Extension	County Appalachian Creek, Choconut Creek, Wappasening Creek, Snake Creek,	2021-2025	Lack of landowner participation, large match requirements for existing programs, lengthy contract terms	Design and project identification	NRCS, PSU Extension, Consultant, SCCD	Plantings and materials	K-10	Planting and maintenance assistance	Volunteers, Landscapers	Funding for professional planters or purchasing materials \$350,000 per year	State and Federal Funding DCED Watershed Restoration and Protection

				Wyalusing Creek, Susquehanna River, Salt Lick Creek, Starrucca Creek, Meshoppen Creek, Tunkhannock Creek, and Lackawanna River Watersheds										Program (WRPP) Growing Greener DCNR Riparian Buffer Grant	
1.4b*	Riparian Stream Fencing	Implement Riparian Stream fencing along pasture lands. <u>500 acres per year</u>	SCCD, NRCS, PSU Extension	Agricultural communities targeting impaired watersheds	2021-2025	Lack of landowner participation, large match requirements for existing programs, lengthy contract terms	Design and project identification	NRCS, PSU Extension, Consultant, SCCD	Cost of materials and installation	NRCS, Landowners, grant funded projects	Installation labor and materials Outreach to landowners for project identification	Fencing contractors SCCD, NRCS, PFB	Additional funds to complete more projects	State and Federal Funding DCED Watershed Restoration and Protection Program (WRPP) Growing Greener, NRCS \$4 Linear foot for fencing \$300,000 per year	
1.5	Farmer Survey Program	Generate a farmer survey to track yearly BMPs and better assist farmers with grant applications and additional hard BMPs.	SCCD, Farm Bureau, Equipment Rental Businesses	County Lower, EB Tunkhannock Creek, Wilson Creek, Horton Creek, Thomas Creek, and	2021+	Farmers not completing or returning the survey, data entry from returned surveys	Survey Form	SCCD, PFB	N/A	N/A	Outreach and education for importance of survey, Staff to enter completed survey data,	PFB, SCCD, DEP, NRCS, interns	Funding for additional staff support Funds to establish reimbursement program	State Funds, Growing Greener, or other grant funding sources	

		<u>75 Surveys completed per year, increasing by 25% each consecutive year</u>		Little Meshoppen Creek Watersheds							Incentive to complete survey		for completed surveys	\$15,000 per year	
1.6	Operation Transition and Land Retirement Assistance	Assist farmers that are transitioning operation types with the necessary BMP and management practices and consult individuals that are removing lands from production. Provide assistance with reforestation, recreational management, CREP and Wildlife habitat improvements <u>10 farms per year</u>	SCCD, NRCS, PSU Extension	County	2022-2025	Outreach to Landowners, Potential for Long Term Contracts. Maintenance for proposed BMP's	Planning Documents, Education	NRCS, PSU Extension, Consultants, SCC, Foresters	Plantings, and seed for land retirement plantings	K-10, CREP	Staff to complete recommendations	NRCS, DCNR, SCCD, Consultants	Funds for Plan Writers and new BMP being implemented, Plan Revisions	State Grant Programs DCED Watershed Restoration and Protection Program WRPP Growing Greener \$75,000.00 per year	

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Each county-based local area will use this template to identify:

1. Inputs – These are both existing and needed resources, public and private, to implement the identified priority initiative. These include both technical and financial resources, such as personnel, supplies, equipment and funding.
2. Process – what is each partner able to do where and by when. These are the action items listed under each priority initiative.
3. Outputs and outcomes – both short and long-term. These are the priority initiatives identified by each county. The performance targets are the intermediate indicators that will measure progress.
4. Implementation challenges – any potential issues or roadblocks to implementation that could impede outputs and outcomes.

Asterisk: Place an asterisk next to the action number(s) for action items that appear in both the County Planning and Progress Template and the Programmatic Recommendations Template.

For each Priority Initiative or Program Element: Use the fields, as defined below, to identify the inputs and the process that will be followed to achieve each priority initiative. This is the “who, what, where, when and how” of the plan:

Description = What. This may include programs that address prevention, education, or as specific as planned BMP installations that will address the Priority Initiative. A programmatic or policy effort will require some ability to quantify the anticipated benefits which will allow calculation of the associated nutrient reductions.

Performance Target = How. This is an extension of the Description above. The Performance Target details the unique BMPs that will result from implementation of the Priority Initiative and serves as a benchmark to track progress in addressing the Priority Initiative. Performance Targets may be spread across multiple Responsible Parties, Geographies, and Timelines based on the specifics of the Initiative.

Responsible Party(ies) = Who. This is/are the key partner(s) who will implement the action items through outreach, assistance or funding, and who will be responsible for delivering the identified programs or practices.

Geographic Location = Where. This field identifies the geographic range of the planned implementation. This could extend to the entire county or down to a small watershed, based on the scale of the Priority Initiative, range of the Responsible Party, or planned funding/resources. *NOTE: Resource limitations alone should not limit potential implementation as additional funding may become available in the future.*

Expected Timeline = When. Provide the expected completion date for the planned activity. This should be a reasonable expectation, based on knowledge and experience, that will aid in tracking progress toward addressing the Priority Initiative.

Resources Available: Technical & Funding = This field will note technical and financial resources secured/available to implement the program (Description). This is the total of the resources identified in the County Resources Inventory Template below allocated to the priority initiative as a whole; or, if available, to each action.

Resources Needed: Technical & Funding = This field will note technical and financial resources needed/outstanding to implement the program (Description). This is the total of the additional resources projected and identified as needed in the County Resources Inventory Template below allocated to the priority initiative as a whole; or, if possible, to each action.

Potential Implementation Challenges/Issues = This field will note challenges and issues that may delay program implementation (Description).