

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		Financial	Suggested Source
Priority Initiative 4: Natural															
4.1	Forest Land Conservation and Management	Preserve Quality Forest Land Surrounding Quality Resources through conservation easements, deed restrictions, land conservancies. <u>15 properties per year</u>	TCCD, NRCS, DCNR, Landowners, PGC	Forest lands near quality resources	2022-2025	Funding for conserved lands and landowner participation	Conservation efforts, existing land conservancy programs	DCNR, NRCS, PSU Extension, Foresters	Conservation and management	Private funds, existing grant programs	Addition outreach and support	DCNR, NRCS, TCCD	Cost associated with conservation, planning, and management \$150,000 per year	State Grants DCNR Riparian Forest Buffer Grants	
4.1a	Forest Management Plans	Create Forest Management Plans for private landowners <u>10 plans per year</u>	TCCD, NRCS, Foresters, DCNR	Private Forest Owners	2022-ongoing	Funding, capturing existing plans, plan writers	Writing/assistance	DCNR, NRCS, Foresters,	Funding for plan writing	Private	Plan writers	Private Consultants	Funding for plan writing and development \$50,000 per year	State Grants, NFWF, NRCS Conservation Technical Assistance Program	
4.1b	Forestry Harvest ED and Outreach	Educating private forest landowners on the importance of proper harvesting and selecting good timber harvester. <u>2 programs per year</u>	DCNR, NRCS, TCCD	Private forest landowners	2023	Participation from landowners and interest and technical assistance	Educational materials	DCNR, PSU Extension	N/A	N/A	Outreach events, education programs, county specific harvest information	TCCD, DCNR, NRCS	Costs associated with in person events, county specific materials, and outreach	State grants, Growing Greener Education Grant	

													\$15,000 per year		
4.1c	Forestry Upland Plantings	Converting fallow agricultural fields to forested plantings. <u>50 acres per year</u>	NRCS, TCCD	Retired Farmlands	2021-ongoing	Retiring less productive Ag lands	Tree planting guidance	PSU Extension	Plantings and materials	K-10	Labor/planting	Private/contractor, volunteers	Cost of labor and implementation \$250,000 per year	Growing Greener, State Funds, NFWF	
4.2	Stream Restoration and Streambank stabilization	Restoring streambank and stabilizing for overall water health. <u>5,000 linear feet per year</u>	TCCD, TU, NRCS	County impaired streams	2022-ongoing	Cost associated with design, construction, and Landowner interest	Technical guidance, permitting and plan writing	PFBC, TU, NRCS, PSU Extension, Foresters	Existing grant programs, private funds	Growing Greener, NFWF, Act 13, 319 funds, NRCS, TU	Prioritization and watershed approach, planning and design	Consultants, engineers	Dedicated funding source to continue establishing new projects \$750,000 per year	DCED Watershed Restoration and Protection Program (WRPP), DCED Flood Mitigation Program (FMP), NFWF	
4.3	AML Reclamation Planning and AMD Restoration	Restoring AML impacted areas and treating AMD discharges to restore water quality <u>Evaluate 3 projects a year</u>	DCNR, NRCS,	Tioga River, Coal Creek, Morris Run, State Forest, Fallbrook	2024	High costs associated with planning and restoration	Technical documents and case study's	EPCAMR, NRCS, BAMR	AMD restoration funds	Act 13 funds, Growing Greener, BAMR, 319 Funds, various mine reclamation programs, State and federal funding	Planning and restoration labor, permitting	Private consultant, contractor	Costs associated with restoration and reclamation planning \$350,000 per year	DCED Abandoned Mine Drainage Abatement and Treatment Program (AMDATP) Growing Greener, Act 13, 319 Funds, state and federal funding	
4.3a	Existing AMD Facility Maintenance and Upgrades	Necessary maintenance and upgrades to existing AMD treatment areas. <u>Upgrade 1 facility a year</u>	DCNR, NRCS, BAMR	Babb Creek Priority	2023	High costs associated with maintenance and upgrades	Technical guidance and case study's	EPCAMR, NRCS, BAMR	AMD restoration funds	Act 13 funds, Growing Greener, BAMR, 319 Funds, various mine reclamation	Planning, engineering, and construction	Private consultant, contractor	Costs associated with maintenance and upgrades \$150,000 per year	Growing Greener, Act 13, 319 Funds DCED Abandoned Mine Drainage Abatement and Treatment	

										n programs, State and federal funding				Program (AMDATP)	

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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).