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		Annual Progress to Date (2022)
							Technical	**Financial**	**Technical**	**Financial**	
Priority Initiative 1: Catchment Targeting Initiative											
1.1	Catchment Assessments and Prioritization	*All 59 catchments assessed prior to 2025* *Game plan outlining "step-by-step" analysis process by end of 2021*	Chester County Conservation District (CCCD), Chester County Water Resources Authority (CCWRA), Technical Service Providers (TSPs), watershed groups, local municipalities, Environ. Advisory Committees (EACs), Ag Action Team (AT), Riparian Buffer (RB) Action Team (AT), Municipal Action Team (AT), Data Management (DM) Action Team (AT)	All areas (all catchments to be assessed)	59 total catchments 2021: 4, 2022: 20, 2023: 20, 2024: remaining (dependent on acquired funding) Timeline with no additional funding for 59 total catchments: 2021: 2-3 2022-2030 at 6/year	Use the Catchment Management Database (CMD) as preliminary prioritization to assess individual catchments and outline conditions, needs, opportunities, etc. "Political" overlay with initial steps including local municipality outreach to determine willingness or receptiveness is critical "Boots-on-the-ground" funding and capacity for engagements, assessments, etc. Coordinate with other action teams for agricultural, buffer, and urban conservation opportunities and needs Lack of funding would result in a timeline through 2029/2030 to cover all catchments with existing resources (~6/yr) **Efforts should result in regional projects that provide multiple benefits where accelerated**	CCCD, Octoraro Watershed Association (OWA), Stroud, Alliance for the Ches. Bay (ACB), Ches. Bay Foundation (CBF), Chesapeake Conservancy, Brandywine Conservancy, Ag Preserve. Board, local engineers/ consultants, County DCIS (Dept. of Computer and Info. Services), TSPs, CCWRA	NFWF, Chesapeake Bay Trust (CBT)	Centralized database platform	$2,500/ catchment (~$50,000/yr) for on-the-ground efforts, engagements etc. (TOTAL: $147,500) Assume assessments personnel and funding will convert to long-term verifications personnel and funding; and potentially maintenance	2022 Currently solely focused in the Upper Oxford area (primary watershed) to fully flush the entire process out across all sectors (ag, urban/ suburban, natural sectors). Catchment selection has been dependent on existence of current partnerships (such as the Oxford Region Planning Committee and CCCD's new partnership with Upper Oxford) where municipalities are working towards getting their PRPs approved and learning how to find resources for implementation. Outreach to municipalities for the Basin Retrofits project helped us to gauge interest by municipalities and helped us become familiar with which municipalities are ready to begin implementing their PRPs. This has enabled our initial steps of getting a sense of the "political overlay" of the region. The catchment assessment and prioritization has been an important part of the other priority initiatives.

#	Priority Initiative	Inputs		Where	When	Process					Implementation Challenges
						permitting processes would be ideal.* Action is inherently tied to all other priority initiatives. Catchment targeting will involve a desktop analysis step followed by game plan for outreach and field verifications outlining the who, when, where, etc.					
1.2	Conservation Opportunities	*Farmland Conservation – 4,000 total acres* *Forest Conservation – 300 total acres* *Wetland Conservation – 20 total acres*	CCCD, Ag Preserve Board, County, local watershed groups	All areas with emphasis on prioritized catchments	On-going with inherent tie to Action 5.1	Potentially extend Eco Invest. Partners (EIP) P3 in Cecil County (Elk and North East watersheds) into Chester County. Transfer of Development Rights (TDR) Programs Carbon credits program for private forests (provides incentives for forest conservation that also provides nutrient and sediment reductions)	Ag Preserve. Board, Cecil Land Trust, Brandywine Conservancy, local TSPs	Ag Preserve. Board			Continuous outreach with existing preserved farms. Additional farms preserved as appropriate and landowner receptive.
1.3	Low Volume (LV) / Dirt & Gravel Road Opportunities	*Driving Surface + Raising the Roadbed – 2,000 new linear feet*	CCCD, local municipalities	All areas	On-going with inherent tie to Action 5.1	Continue popular local program	CCCD			Capital Cost: ~$30,000	No DGLVR implementation in 2022; outreach conducted to individuals municipalities through two newsletters and one-on-one outreach.

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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 though 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).