

Phase 3 Watershed Implementation Plan (WIP) Progress and Milestones 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		Progress to Date
							Technical	Financial	Technical	Financial	
Data Management Action Team											
Priority Initiative 1: Data Management											
1.1	Create a central location for County conservation plans, restoration project permits, grant applications, etc.		LCCD, DEP, SRBC	Countywide	Ongoing; intend to have the system set up and running by 2023	Explore opening Practice Keeper to more agriculture and conservation professionals; make it talk to programs like CSDatum, etc;	Practice Keeper, World View experts at the LCCD and DEP		1-2 staff people at the Conservation District to spearhead the work (Conservation Plans)	\$200,000	There is not a true central location but working through the probability there will be three systems (PracticeKeeper, FieldDoc, and the CMT) that capture and display all the necessary information for CAP implementation and related objectives and goals. LFT (as part of the CAP Coordinator team) is currently entering captured conservation plans into PracticeKeeper (PK). An approach to capture plans previously developed and held by private consultants is under development, but will most likely require fiscal support to compensate for time to transfer plans into PK. FieldDoc is in the early stages of use and will capture projects that don't fit a cost-share category, permit, etc. CMT will be used to assist with prioritization and project-specific information for BMPs. It is anticipated an SOP (or protocol) will be developed to ensure information is entered into the appropriate platform.
						Lack of immediately-available funding to set up the software;	CS Datum, ESRI, and ARRO experts ready to help		ArcGIS license and more Practice Keeper licenses	\$10,000	
						Not all partners are ready to share their data;	County GIS team		Staff time to collate data	Planning grant \$500,000+	
						Practice Keeper is currently a private and locked system;	FieldDoc				
					Concerns over landowners' privacy						
					FieldDoc use and data integration						
1.1.1	Manure transport	Better documentation of current practices so we have accurate baselines and are able to measure progress	Haulers, brokers	Countywide	Immediately	Currently no system to track manure transport; Funding for staffing; Funding for PracticeKeeper			Staff time to collate data		Relevant stakeholders have agreed in principle that a central system is appropriate but that is the extent of results associated with this action.
1.3	In-stream monitoring		SRBC, DEP, EPA, USGS, CBP, WSI Presently: 7 sondes + 4 USGS stations (known)	Countywide	On-going (thru 2025 and beyond)	Collate and organize Lancaster specific data to help us set better baselines and measure progress	SRBC		Staff time to collate and analyze data		Activities have progressed albeit at a slower pace than desired or originally planned due to human and capital resource limitations. Through the PSU Ag and Environment Center, monitoring efforts associated with the Conewago Initiative and other endeavors will be "transferred" to select (priority) areas across the county to capture water quality and macroinvertebrate data.
						Monitor watershed management units	Citizen Data volunteer at Lancaster County Conservancy and LCCD		SRBC staff time		
							PSU-NFWF macro sampling teams/entities		Lab(s) and/or equipment (initial and long-term)	\$160,000 (sondes/stations-initial install, maintain, analyses); long-term equipment maintenance	

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1.4	Display of monitoring results spatially to promote greater public involvement in the tracking process		SRBC, DEP, LCCD, LCCWC, municipalities, non-profits and private sector consultants	Countywide	Four per year	Funding and staff for collection and maintenance of units Acquiring and incorporating WQ data from DEP Willingness to share data	SRBC portal	NFWF Focus Lancaster grant (till 2020)	Software and web support to display data		Components and functionality of information for display has been established. Currently working through multiple platform interface "rules".
							DEP web interfaces				
							CSDatum				
1.5	Implement GIS-based collaborative tool (Collaborative Watershed Management Tool (CWMT))			Countywide		Data alignment with other web-based/GIS-based tools (e.g. FieldDoc, PK, etc.)	CSDatum, WQ portals, etc. for WQ related information		Web support		The CMT is up and running; with continued development and data alignment activities underway.
									Historical data analysis prior to transfer to CWMT		

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

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:

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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).