	Phase 3 Watershed Implementation Plan (WIP) Planning and Progress Template														
		Green - action has	been complete	ed or is moving f	orward as plan	ned <u>Yellow</u> - action	has encountered	l minor obstacl	es <u>Red</u> - ac	ction has not	oeen taken or ha	s encountered	a serious barrie	er	
Acti on #	Description	Performance Target(s)	Responsible Party(ies) and Partnerships	Geographic Location	Expected Timeline		Resources <u>Available</u>				Resources <u>Needed</u>				Review Checklist Comments
							Technical	Source	Financial	Source	Technical	Suggested Source	Financial	Suggested Source	
Prio	rity Initiative	1: Agriculture		<b>'</b>	<b>'</b>		1	<b>'</b>		<u>'</u>	<u> </u>	<b>'</b>	<u>'</u>	<b>'</b>	
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 for technical assistance and recommendations for nutrient management implementation.  3,000 acres per year  BMP's will include Nutrient Core N & P Rate Placement and Timing, and Soil Conservation and Water Quality	PSU Extension, PCCD, Consultant  Hunting Clubs: Tally Ho Camp, Packhorse Sportsman's Ass., and Pig Sty Rod and Gun Club	Agricultural and Hunting properties  Targeting Cowanesque watershed: Headwater, North Fork, and Upper Cowanesque River Cross Fork, Little Kettle Creek	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, PCCD, Private consultants  Kettle Creek Watershed Association  4-H Clubs through PSU Extension	Soil Sampling Kits (\$15)  Manure Test Kits (\$40)	Private Landowner	Contracted Source for NMP analysis/reco mmendations  List of recommende d contacts for analysis completion.	Private Consultant willing to complete testing and recommend ations for landowners in the county.	Dedicated funding to assist in managemen t and developmen t of this program.  \$60,000 for 1.1 – 1.1 a	Grants or State Agency funding NRCS Conservation Technical Assistance Program	
<b>1.1a</b>	Soil Sampling Program  Manure Testing	Develop Soil Sample Collection and Analysis Program – 25 sites per year  Develop Manure Testing and	PSU Extension, PCCD, Consultant  PSU Extension, PCCD,	Agricultural and Hunting properties  Targeting Cowanesque watershed  Agricultural and Hunting properties	2022-2025		Education Materials Soil Sampling  Education Materials	NRCS, PCCD, PSU Ext, Penn State analytical lab  PSU Ext, Private labs, Penn State					\$30,000 per year \$10,000 per year	Growing Greener Education Grant Growing Growing Greener	

		Analysis Program  – 25 sites per year  Develop	Consultant	Targeting Cowanesque watershed Agricultural	2022-2025		Manure testing Labs Education	analytical lab PSU Ext,			Analysis	Private	\$20,000 per	Education Grant Growing
	Agronomy Assistance/An alysis Program	Agronomic Analysis Program – 25 sites per year	Extension, PCCD, Consultant	and Hunting properties.  Targeting Cowanesque watershed.			Materials, Analysis	Private consultant				Consultant	year	Greener Education Grant
	Increase Reporting and Verification of Existing BMP's	Collect data through use of landowner reporting forms and verify existing BMP's on Agricultural Operations.  Report and verify 50 farms a year.	DEP, PCCD, NRCS, PFB	County	2021- ongoing	Time Capacity, Data Entry, Release of Records, producer participation and resistance	BMP's and plans that were funded through agencies and grants are already known	SCC, PSU Extension, NRCS, PCCD, DEP	Agency verificati on	Staff Time	One dedicated staff or contracted staff to complete entry and inspections.	Staffing increase, PCCD, DEP or consultant	Dedicated funding to this position, \$80,000 per year	State funds
	Create Farmer Survey	Create and deploy Farmer Survey to collect private landowner data on existing BMP's.	DEP, PCCD, NRCS, PFB	County	2021- ongoing	Time Capacity, Data Entry, Release of Records, producer participation and resistance	BMPs and plans that were funded through agencies and grants are already known	SCC, PSU Extension, NRCS, PCCD, DEP	Agency verificati on	Staff Time	Refer to 1.2	Refer to 1.2	Refer to 1.2	Refer to 1.2
1.3	Enhance No- Till Use throughout County	Promote No-Till on operations through education, outreach events, and increased equipment availability.	PCCD, PSU Ext	Agricultural Landowners operations	2021-2025	Producer Participation and Resistance. Education on overall management change importance	No-Till Equipment, Educational Materials, Farmer No- Till Survey	PCCD, PSU Ext  Clearfield County Conservatio n District	\$12 per acre (\$24 per acre if used on conventi onally tilled ground)	N/A	Outreach support, event development, Deliverables through existing publications	Staffing Increase (20 hours a week) for 1.3-1.3b  PFB, PCCD, PSU Ext	Dedicated funding to this position, \$30,000 per year.	REAP, DEP, NRCS, County Funds
-	Increase No- Till Equipment Availability	Expand use of the county owned No-Till equipment.	PCCD	Agricultural Landowners operations,	2021-2025	Logistics and maintenance	No-Till Equipment	PCCD	N/A	N/A	Rental Agreement	PCCD Staff (Refer to 1.3)		REAP, DEP, NRCS

		1250 acres per year		Cowanesque Watershed							Increase in equipment delivery				
1.3b	No-Till Equipment Reimburseme nt Program	Reimbursement % for rental fee cost for filling out reporting form.	PCCD	Agricultural Landowners operations	2021-2025	Participation, Importance of reporting	N/A	N/A	N/A	N/A	Training new staff	PCCD Staff (Refer to 1.3)	Funding for reimbursem ent fee coverage	County Funds	
1.4	Provide Alternative Species Cover Cropping Education Program	Program to promote cover cropping and education of species.	PCCD, NRCS, PSU Extension	Agricultural Communities	2022- ongoing	Participation and eagerness to change existing practice	Educational materials, programs	NRCS, PSU Extension	N/A	N/A	Consultant  Education/ou treach	PCCD, NRCS, PSU Ext	Funding sources to cover seed costs	Growing Greener Education Grant	
1.4a	Increase Cover Cropping Species Availability	Increase cover cropping implementation by increasing species availability of Cover Crops specific to Potter County climate and producer's needs.  1550 acres per year	PCCD, NRCS, PSU Extension	Agricultural community	2022- ongoing	Availability/Funding for seed purchase	Educational manuals, Planting recommendat ions, case studies	NRCS	N/A	N/A	Alternate species ID, cold climate crops	PSU Extension, NRCS	Seed/imple mentation costs	Grants or State funding, USDA EQIP, NRCS  USDA Conservation Innovation Grant  \$75,000 per year seed cost	
1.5	Cost Share Liming Program	Provide a cost sharing program and education to increase liming practices and increase overall pH.  Also, the purchase of a 5 Ton Lime Spreader to achieve liming program goals.  625 acres of farmland per year	PCCD, NRCS, PSU Extension, PA Dept. of Agriculture	Agricultural Community and Hunting Clubs, Watersheds with low soil pH	2022- ongoing	Funding, Adoptees, Importance of Education, Logistics issues and maintenance, staffing	Soil Sampling Kit (\$15),  New or used lime spreaders	PCCD, NRCS  Local dealerships, private sales	Testing,  Cost sharing, County Funds	Landowner /private Rental Fees EQUIP, PCCD	Soil testing and recommendat ions,  Staff to coordinate Rental Program, delivery	Private landowner, or contract work,  Staffing Increase (20 hours a week)	Funding Source for lime, lime spreader, and staffing	State funding, cost share program, REAP, DEP, NRCS, County Funds  \$15,000 Initial Lime spreader purchase  \$40,000 per year for Equipment maintenance and Lime	

	Soil testing analysis to determine eligibility.												\$30,000 per year for staffing increase
Existing BMP  1.6* Maintenance Program	Assist producers with maintenance of existing BMP's to keep them functioning, through cost-share labor or funding.  Achieve maintenance on 5 farms per year.	PCCD, NRCS, PSU Extension	Agricultural Producers	2023- ongoing	Funding and Producer participation, Identifying BMPS that need maintenance	Technical assistance	NRCS, PSU Extension, Consultants, SCC	Existing Funding for maintena nce	Private Landowner	Maintenance	Contractors	Grant funding	DCED Watershed Restoration and Protection Program WRPP  DCNR Riparian Forest Buffer Grants  \$50,000 per year (\$10,000
Riparian Buffer and Stream Fencing	Implement Stream fencing and riparian buffer on crop and pasture lands.  Implement or verify 200 acres per year	PCCD, NRCS, PSU Extension	Streams on Agricultural Properties	2021- ongoing	Funding and Producer participation, Importance of maintenance	Planting design, educational materials, labor to plant and install	NRCS, PSU Extension, Consultants, SCC Pine Creek Watershed Council	Trees and fencing cost-shares	Headwater Hemlock Planting Program, K-10	Labor to plant/install	Volunteers, community service K-10	Funding Source, Stream fencing costs	State and Federal Funding  DCNR Riparian Forest Buffer Grants  DCED Watershed Restoration and Protection Program WRPP  \$150,000 per year for fencing  \$250,000 per year for trees and maintenance

1.8	Aquaculture/ Fish Hatchery Maintenance and Nutrient Planning	Complete Nutrient Management Planning and Upgrades to at least 2 hatcheries.	PCCD, PFBC	2 Existing Hatcheries	2024+	Funding and Participation  Getting private hatcheries onboard.	Required maintenance and management	PCCD, PFBC, Consultants  Oswayo State Fish Hatchery, Rainbow Paradise Trout Farm and God's Country Trout Unlimited	Operatio n and maintena nce cost	Private and State	Upgrades, design, Permitting, construction cost	Contractor, consultant	Cost associated with upgrades	Private funding sources or state grants, NFWF, PAFB, Trout Unlimited \$100,000 per upgraded Hatchery
1.9*	Manure Injection Equipment Rental Program	Purchase Manure Injection Equipment and administer program to promote manure injection.  300 total acres	PCCD	1 farm (300 acres) in PC	2022-2025	Producer participation and resistance, Education on overall management change and importance	Educational materials	PCCD, PSU Ext	Manure Injection Equipme nt	EQUIP	Staff to coordinate Rental Program, delivery Manure Injection Equipment	Staffing Increase (20 hours a week) for 1.9-1.9a	Dedicated funding to this position and equipment rental	REAP, DEP, NRCS, County Funds, PSU Extension \$30,000 per year for staffing \$1,000 a day for Equipment Rental
1.9a	Manure Injection Equipment Reimburseme nt Program	Reimbursement % for rental fee cost for filling out reporting form.	PCCD	County	2021-2025	Participation	Similar Program Examples	Other Districts or State Agencies	N/A	N/A	Staff to approve forms and record data	PCCD Staff (Refer to 1.9)	Funding for reimbursem ent fee coverage	REAP, DEP, NRCS \$15,000 per year for rental reimbursemen t
1.10	Partnership- Potter/Tioga County Cowanesque Watershed Agricultural BMP Upgrades	Implement Agricultural BMP's across Tioga and Potter County to assist the Cowanesque Watershed as a whole.  10 agricultural projects within the watershed a year	TCCD, PCCD	Tioga and Potter County, Cowanesque Watershed, Agricultural Properties	2023-2025	Funding and farmer participation within the watershed	Engineering assistance, Existing BMP programs	PCCD, TCCD, NRCS, PACD, Cowanesqu e Valley Watershed Association	Cost sharing programs	DEP, NRCS, PACD	Planning, outreach, and Implementati on	Contractors, consultants, private	Costs associated with design permitting and constructio n of BMP's and programs	DCED Watershed Restoration and Protection Program WRPP  Growing Greener, ACT 13, NFWF, DCNR Riparian Buffer Grant

			\$250,000 per
			year total
			(\$125,000 per
			County per
			year)

## 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:

**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 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).