

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
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 for technical assistance and recommendations for nutrient management implementation. <u>3,000 acres per year</u> 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/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. \$60,000 for 1.1 – 1.1 a	Grants or State Agency funding NRCS Conservation Technical Assistance Program
1.1a	Soil Sampling Program	Develop Soil Sample Collection and Analysis Program – 25 sites per year	PSU Extension, PCCD, Consultant	Agricultural and Hunting properties Targeting Cowanesque watershed	2022-2025		Education Materials Soil Sampling	NRCS, PCCD, PSU Ext, Penn State analytical lab					\$30,000 per year	Growing Greener Education Grant
	Manure Testing Program	Develop Manure Testing and	PSU Extension, PCCD,	Agricultural and Hunting properties	2022-2025		Education Materials	PSU Ext, Private labs, Penn State					\$10,000 per year	Growing Greener

		Analysis Program – 25 sites per year	Consultant	Targeting Cowanesque watershed			Manure testing Labs	analytical lab						Education Grant	
	Agronomy Assistance/Analysis Program	Develop Agronomic Analysis Program – 25 sites per year	PSU Extension, PCCD, Consultant	Agricultural and Hunting properties. Targeting Cowanesque watershed.	2022-2025		Education Materials, Analysis	PSU Ext, Private consultant			Analysis	Private Consultant	\$20,000 per year	Growing Greener Education Grant	
1.2*	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 <u>50 farms a year.</u>	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 verification	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	
1.2a	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 verification	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 Conservation District	\$12 per acre (\$24 per acre if used on conventionally 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	
1.3a	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	

		<u>1250 acres per year</u>		Cowanesque Watershed							Increase in equipment delivery				
1.3b	No-Till Equipment Reimbursement 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 reimbursement 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/outreach	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. <u>1550 acres per year</u>	PCCD, NRCS, PSU Extension	Agricultural community	2022-ongoing	Availability/Funding for seed purchase	Educational manuals, Planting recommendations, case studies	NRCS	N/A	N/A	Alternate species ID, cold climate crops	PSU Extension, NRCS	Seed/implementation 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. <u>625 acres of farmland per year</u>	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 recommendations, 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	

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. <u>300 total acres</u>	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 Reimburse ment 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 reimburse ment fee coverage	REAP, DEP, NRCS \$15,000 per year for rental reimburse ment	
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. <u>10 agricultural projects within the watershed a year</u>	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	

