

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

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: Conservation

Actions in color print indicate additional results which could be generated if additional corresponding resources are provided.

1.1	Promote, Support, and Implement Riparian BMPs	<p>Promote Riparian Buffers in education and outreach initiatives</p> <p>Find 3 promotional Forest Buffer Plantings in visible locations to promote education of buffers – work with media for promotion</p> <p>Implement Forest Buffers (30 Acres)</p> <p>Implement Forest Buffers with Streamside Exclusion Fencing (20 Acres)</p> <p>Implement Grassed Waterways (20 Acres)</p> <p>Implement Grassed Waterways with Exclusion Fencing (8 Acres)</p> <p>NOTE: Numbers could be tripled if needed resources are funded</p>	<p>Army Corps of Engineers, PFBC, North Central PA Conservancy, NFWF, TU, NRCS, Chesapeake Conservancy, DCNR Bureau of Forestry, Clinton CD, PSU Turf Management Group, Amish Greenhouse</p>	<p>County-wide</p> <p>Fishing Creek and Nittany Valley Watershed</p> <p>West Branch of Susquehanna (Buffer opportunities)</p>	2022-2025	<p>Farmer resistance – seen as “loss of cropland”; failure of landowners to buy-in because aesthetics and access often valued more than clean water; far too often grants come with a “match” requirement; currently little or no coordination locally between NRCS and Conservation District; Current District workload limits opportunities. District would require a second watershed specialist and an engineer dedicated to this work full-time.</p> <p>Must have strong and continuous watershed association participation to include “boots-on-the-ground, door-knocking campaign” as well as stream walks to identify both willing landowners and potential sites.</p> <p>Flash grazing must be allowed with buffer installation</p> <p>The funding program (state grant) must include a 5-10-year maintenance program</p>	<p>District’s two (2) Agricultural Resource Conservationists and District Watershed Specialist for limited landowner outreach, educational support, mapping, and implementation</p>	<p>Clinton County CD,</p> <p>NRCS, DCNR, PSU Ext., Chesapeake Conservancy</p>	<p>Chesapeake Bay Technician Funding. Watershed Specialist funding.</p> <p>Sufficient funding to plant 5 acres of riparian buffer.</p>	<p>DEP</p> <p>Native Creations LLC</p>	<p>One additional watershed specialist, one engineer and one grant writer.</p>	<p>\$150,000 per year for 5 years (staffing)</p> <p>\$500,000 for trees, grass seed, fencing, annual maintenance</p>	<p>DEP Growing Greener, DCNR, PACD Chesapeake Conservancy, USDA Agricultural Stabilization and Conservation Service (ASCS), USDA-Soil Conservation Service (SCS), Pennsylvania Fish Commission, Pennsylvania Game Commission</p>	
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						to establish buffers along with incentive program \$4K minimum per acre payment									
						Promote multifunctional buffers and the benefits of these buffers, work with watershed groups, neighbors and bishops to promote use of buffers									
						Utilize the Chesapeake Conservancy's mapping tool data sets and funding to support the rapid-stream de-listing strategy in priority catchments									
1.2	Promote, Support, and Implement new forest and meadow-land	<p>Promote the importance of trees and pollinators in education and outreach initiatives annually by conducting a pollinator workshop.</p> <p>Create a certification program or partner with PSU Ext. to certify properties as pollinator/conservation friendly. Use this program to record acreages of lawn/turf to wood/meadow conversion</p> <p>Work with commercial industries, public lands and homeowners to implement conservation landscaping</p> <p>Convert 5 acres of turf/grass to forest</p> <p>Convert 15 acres of turf/grass to meadow/pollinator habitat.</p> <p>NOTE: Numbers could be doubled or possibly tripled if identified resources needed are funded.</p>	Clinton County CD, NRCS, DCNR, PSU Ext., Lock Haven City Authority	County-wide County property (Piper Building), golf courses, schools, LHU, McElhattan Industrial Park.	2022-2025	<p>Failure of landowners to buy-in due to aesthetics and access often being valued more than clean water.</p> <p>Far too often grants come with a “match” requirement;</p> <p>Existing mowing and weed ordinances can be a challenge to implementation</p> <p>Audubon Program for golf courses</p>	District Watershed Specialist	Clinton County CD	Watershed Specialist funding.	DEP	One full time grant writer.		<p>\$40,000 per year for 5 years (staffing)</p> <p>\$150,000 for 15 acres forest.</p> <p>\$50,000 for perennial pollinator seed sufficient to seed 45 acres of pollinator habitat.</p>	DEP, DCNR, NRCS, PACD Chesapeake Conservancy, Growing Greener, DCNR, NPC	
1.3	Implement stream restoration projects	Inventory/Install 6,000 linear feet of streambank restoration, floodplain connection, and bank stabilization	Clinton CD, NRCS, NPC, PFBC, TU, KCWA, SVWA	County-wide Stream Restora-	2021-2025	Failure of landowners to buy-in due to aesthetics and access often being valued more than clean water.	District Watershed Specialist.	Clinton County CD	Watershed Specialist funding.	DEP	Landowner Outreach Educational support	NRCS, TU, PFBC, USFWS, Chesapeake	<p>\$350,000</p> <p>NOTE: based upon two recent</p>	DEP, NFWF, Foundation for PA Watersheds, CHP, DCNR,	

		Improve habitat for fish and species of special concern		tion (Queen's Run, Kettle Creek, Fishing Creek)		Far too often grants come with a "match" requirement. Streambank stabilization (which is a significant source of erosion) does not receive credit in the Chesapeake Bay Model, recommended to revise crediting. Must have strong and continuous watershed association participation to include "boots-on-the-ground, door-knocking campaign" as well as stream walks to identify both willing landowners and potential sites.					Design & Implementation Grant Writing and Technical Assistance	Conser- vancy	stabilization projects, cost per linear foot of streambank restored is \$100 to \$120. Expectation is significant economy of scale and lower mobilization and demobilization would be achieved with a number of larger-scale projects.	Pennsylvania Fish Commission.	
1.4	Implement Wetland Restoration	Identify/inventory/Implement wetlands on marginal ag lands, and other suitable sites (6 acres)	NRCS, Clinton CD	County-wide	2021-2025	Landowner buy-in, staff time, funding.	District Watershed Specialist - Landowner Outreach and support. Landowner Outreach; Educational support	Clinton County CD NRCS	Watershed Specialist funding.	DEP	Engineering, wetlands delineation, design services	NRCS	\$60,000 USDA pays up to 75 percent of the easement value and up to 75 percent of the restoration costs via Restoration Cost-Share Agreement.	NRCS	
1.5	Fishing Creek/ Bull Run WIP	Create WIP for Fishing Creek/Bull Run Watershed	TU, Clinton CD, USGS	Fishing Creek/Bull Run Watershed	2022-2025	Grant funds have already been received.	District Watershed Specialist - Landowner Outreach and support. Data collection and Final report	Clinton County CD TU, USGS	Watershed Specialist funding. 319 grant \$96,000	DEP TU					

1.6	Begin Implementation of Beech Creek assessment /Restoration Plan	<p>Identify first steps needed to begin AMD remediation and stream restoration and formulate a cost for those steps (project scoping)</p> <p>Conduct a series (n=3) town hall events to help with the re-formation of the Beech Creek Watershed Association and to increase membership.</p> <p>Produce a series of informational brochures.</p>	Clinton County CD, TU, PFBC, BCWA, CHP	Beech Creek Watershed	2025+	<p>Watershed association is currently inactive.</p> <p>Funding: The total scope and scale of the project is expected to exceed \$10M.</p> <p>Landowner and stakeholder expectations (remediated in a short time frame).</p> <p>Current District staffing levels inadequate.</p>	District Watershed Specialist - Landowner Outreach and support.	Clinton County CD,	Watershed Specialist funding.	DEP	One additional watershed specialist, one engineer and one grant writer.		\$150,000 per year for 5 years (staffing)	DEP, DCNR, NRCS, PACD, NFWF, Foundation for PA Watersheds, CHP, EPCAMR
1.7	Develop Big Plum and Little Plum Run Coldwater Conservation Plan	Develop plan and identify costs to restore Big and Little Plum Run (currently impaired by sediment).	Clinton County CD, Chesapeake Conservancy, CHP	Big and Little Plum Run Watershed	2025+	<p>No current Watershed association.</p> <p>Current District staffing levels inadequate.</p> <p>Significant technical expertise required.</p> <p>Although available resources and potential partners have been identified, a firm partnership has not coalesced to the point that any initiative exists for the project.</p>	District Watershed Specialist - Landowner Outreach and support.	Clinton County CD	Watershed Specialist funding.	DEP	One full time grant writer.		\$40,000 per year for 5 years (staffing).	DEP, DCNR, NRCS, PACD, NFWF, Foundation for PA Watersheds, CHP
1.8	Develop Drury/Sandy Run Coldwater Conservation Plan	Develop plan and identify costs to restore Drury/Sandy Run (currently AMD impaired).	Clinton County CD, SRBC, CHP	Drury Run Watershed	2025+	<p>No current Watershed association.</p> <p>Current District staffing levels inadequate.</p> <p>Although available resources and potential partners have been identified, a firm partnership has not coalesced to the point that any initiative exists for the project.</p>	District Watershed Specialist - Landowner Outreach and support.	Clinton County CD	Watershed Specialist funding.	DEP	One full time grant writer.		\$40,000 per year for 5 years (staffing).	DEP, NFWF, Foundation for PA Watersheds, CHP, WPCAMR

1.9	Develop Cooks Run Coldwater Heritage Plan	Develop plan and identify costs to restore Cook's Run (currently AMD impaired).	Clinton CD, PFBC, TU, PSU, DEP, SRBC, CHP	Cook's Run Watershed	2025+	No current Watershed association. Current District staffing levels inadequate. Although available resources and potential partners have been identified, a firm partnership has not coalesced to the point that any initiative exists for the project.	District Watershed Specialist - Landowner Outreach and support. Grant Writing, Educational support, Water Quality Monitoring	Clinton County CD. PFBC, TU, PSU, DEP, SRBC, CHP, BAMR, WPCAMR, PSU, LHU	Watershed Specialist funding.	DEP	One full time grant writer.		\$40,000 per year for 5 years (staffing).	DEP, NFWF, Foundation for PA Watersheds, CHP, WPCAMR
1.10	Continue Dirt & Gravel/Low Volume Road Program	Continue working with local municipalities to address erosion and sediment management associated with poor drainage, undersized culverts, etc., on the County's 229 miles of dirt, gravel and low volume roads. Undertake outreach/ education to each of the County's 6 remaining non-ESM-certified municipalities in hopes of getting them certified and, thereby, making DGLVR funding available to them.	Clinton County CD	County-wide	2022 - 2025	Repeated outreach attempts to non-ESM-certified municipalities have been unsuccessful. Not all ESM-certified municipalities actively pursue funding. A known reliable funding stream (DFGLVR) is available and has been secured for the foreseeable future.	Clinton County CD Roads Program Coord. Outreach and Technical Support	Clinton County CD; PSU Center for Dirt and Gravel Roads	\$225,000 annually	Clinton County CD, SCC.				
1.11	Enhance Capacity of watershed organizations and other conservation-based non-profits in the county	Continue to provide watershed support grants to watershed associations and focus those grants on "projects" that impact CAP. Include organizations in on conservation work, monitoring, education/outreach, championing and demonstrating within their trusted communities Project Showcases on digital media, CD newsletter, and television	SVWA, KCWA, Cleanscapes, Local TU Chapters	County-wide	2022-2025+	Watershed Association member recruitment is challenging.	Clinton County CD Watershed Specialist - Outreach and Education	Clinton County CD	\$6,000 annually	Clinton County CD				
TOTAL COSTS BEYOND EXISTING STAFF AND RESOURCES NEEDED TO IMPLEMENT THE CAP											10 FTE Staff: \$2,300,000		Projects: \$1,110,000	