

**Phase 3 Watershed Implementation Plan (WIP) Annual Progress Update and Two-Year Milestones Report – MONTOUR 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    Highlight changes for 2024-2025 milestone period

Action # <b>Green</b> <b>Yellow</b> <b>Red</b>	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 (2021- 2025 *add new 2023 progress above the existing 2021 and 2022 progress. Date each entry	Reason for Change to Action Item (2024-2025 milestone period)
							Technical	Financial	Technical	Financial		

**Agriculture Priority Initiative 1: Planning, Manure Management, and Fertilizer Application**

1.1	Develop Basic Manure Management Plans, Core N	Develop 24,000 acres worth of plans for farmers.	MCCD Staff, Farmers, Penn State Extension	Countywide	2021-2025	New operations coming in and lack of cooperation.	Nutrient Management Planners	N/A	Additional Staff	\$50,000	2025 – MCCD continues to write and develop MMP for operators who need updates to existing MMP or new MMP. 2022 - 342 Manure Management Plans were developed since 2011 (16) MMPs were developed since March 2021-August 2022. (8) MMPs were developed since August 2022-August 2023	No Changes
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1.2	Develop Ag Erosion and Sedimentation Plans	Develop 18,000 acres of Ag E&S plans for farmers.	MCCD Staff & Farmers	Countywide	2021-2025	Landowners that do not farm getting Ag E&S plans completed.	Conservation Planners	N/A	Advertisement to landowners.	\$25,000	2025 – MCCD continues to write and develop Ag E&S Plans for operators who are in need of updates to existing Ag E&S Plans or new plans. 2022- 214 Conservation Plans have been completed 41 plans have been developed from Jan 2021 to August 2022. 30 plans have been developed from August 2022- August 2023	No Changes
1.3	Expanded Nutrient Management Planning focusing on 4R's especially focusing on legume and manure N availability and the reduction of N Fertilizer.	Develop 10,000 acres worth of nutrient management plans for farmers.	MCCD Staff, Farmers, Penn State Extension, NRCS	Countywide	2021-2025	Convincing farmers that they are over-applying fertilizers.	Nutrient Management Planners	N/A	Training for farmers and staff about nutrients and how they affect crops and soil.	\$10,000	10/20/2025- Plans are continuing to be developed for operations. There are 9 nutrient management plans but in 2026 there will be 10. 2023- Plans are continuing to be developed for operations. There are 6 nutrient management plans 3 CAFOs and 2 CAOs.	No Changes
1.4	Demonstration Plots & Field Days	Compare yields for reduced fertilizer applications on a test plot of 5 acres.	MCCD Staff & Farmers	Countywide	2022-2024	The willingness of landowners and farmers to test a new idea.	Agronomy knowledge, MCCD Staff	N/A	Organization of field days	\$5,000	2025- MCCD has a grant with two other counties to promote soil health. One way to do that is through soil health days. Test plots of biological microbes were planted to see the	No Changes

1.5	Barnyard Runoff Controls	Install 3 acres of barnyard runoff control BMPs.	NRCS, MCCD Staff, Farmers	Countywide	2021-2023	None	Engineering and Inspection	\$756,000	1 Engineer for design	\$1,000,000	2025- We have installed many barnyard runoff controls including two that were finished in 2025 and we have more planned for 2026. 2022-There is one completed and 2 planned for construction for 2023.	No Changes
1.6	Manure Storage	Install 5 acres of manure storage BMPs.	NRCS, MCCD Staff & Farmers	Countywide	2021-2023	None	Engineering and Inspection	\$200,000	1 Engineer for design	\$1,000,000	2025- There have been two manure storages constructed in the past year. 2022- There are 2 planned for 2023.	No Changes
1.7	Conversion of Cropland to Pasture	Establish 200 new acres of pastureland.	NRCS, MCCD Staff & Farmers	Countywide	2022-2024	Some landowners are unwilling to give up cropland and convert it to pasture.	Grazing Specialist	\$108,000	None	\$500,000	2025- MCCD has converted many acres of cropland to pasture. 2022- 43.72 acres have been converted	Change the title to Pasture management and include practices such as padock creation, cropland conversion to pasture and
1.8	Watering Systems	Install 1 acre of watering system BMPs.	NRCS, MCCD Staff & Farmers	Countywide	2022-2024	None	Engineering and Inspection	\$20,000	1 Engineer for design	\$100,000	2025- MCCD has more watering systems to be installed throughout the county. 2022- We installed 27.82 acres of Watering Systems	No Changes
1.9	Stabilization of Animal Walkways and Travel Lanes	Install 1 acre of walkway and travel lanes BMPs.	NRCS, MCCD Staff & Farmers	Countywide	2022-2024	None	Engineering and Inspection	\$64,000	1 Engineer for design	\$500,000	2025- We have 3 planned for construction in 2025-2026 through CAP and we constructed 3 walkways earlier in 2025. 2023- One Walkway completed in 2023.	No Changes

1.10	Work with Plain Sect Farmers on Plan Implementation	Install 24,000 acres of BMPs.	MCCD Staff Amish and Mennonite Farmers	Countywide	2023-2025	These farmers do not accept cost share from the government.	Engineering and Inspection	N/A	1 Engineer for design	TBD	7/2023- We have written a few plans for Amish and Mennonite farmers in this past year, we hope to expand in the future to figure out a way to implement projects and overcome the hurdle of funding.	No Changes
1.11	Milk House Waste Systems	Install 2 milk house waste system BMPs	Farmers	Chillisquaque Creek Watershed	2023-2025	Plain Sect does not accept cost share from the government.	Engineering and Inspection	N/A	1 Engineer for design	TBD	Only 1 Operation Needs Milkhouse Waste System. We only have 3 non Amish Dairy Farms left in the County	No Changes
1.12	Establish Funding/Staff support to the Agricultural Community	Write plans and continue installation of BMPs for planned implementation. Establish demo plots and plan field days.	MCCD, DEP and NRCS	Countywide	2022-2024	Limited funding available.	MCCD Staff	N/A	2 Technicians and 1 Engineer	\$250,000 per year	2025- MCCD continues to write plans needed for compliance and in those plans we have included operation specific BMPs to be installed in a timely manner. 7/2023- We have continued to support the Agricultural community by writing plans and implementing projects and providing education opportunities. We hope to obtain more funding for the agricultural community to implement more projects.	No Changes

1.13	Chesapeake Bay Inspection Program	Collect data on admin complete plans and review records for manure application rates (70 per year).	MCCD	Countywide	2021-2025	Limited time for staff.	Bay Staff	\$65,500	None	\$150,000 per year	2025- MCCD continues to meet its inspection goal set by DEP. Phase II and Phase I inspections are being completed. 7/2023- Inspections have been conducted ahead of schedule and landowners are complying.	No Changes
1.14	Seek funding options for BMP Implementation	Utilize Growing Greener, REAP and EQUIP	MCCD and NRCS	Countywide	2021-2023	Limited funding is available.	MCCD Staff	\$1,000,000	None	\$500,000	2025- MCCD utilizes many funding sources. CAP, ACAP, and Growing Greener are all currently funding projects within the county. 7/2023- Applied for Growing Greener Grant for Tworkoski, Beachel, and Hummer Manure Storage Projects in 2023 . CAP funds received for fencing projects and pollinator program. Will apply for CAP funding for Ag projects October 2023. Received ACAP funding to be utilized for AG projects in 2023-2024.	No Changes

Agriculture Priority Initiative 2: Soil Health

2.1	Promote the Importance of Soil Health	Educating farmers on the importance of soil health to lead to increased cover crops and no-till practices.	NRCS, MCCD Staff, Farmers, and Farm Bureau	Countywide	2022-2024	Lack of interest among the farming community.	Staff with soil health and no-till knowledge	Grant	1 person with soil health and no-till knowledge	\$5,000	2025- In a joint effort, the Montour, Luzerne, and Columbia County Districts have teamed up to promote soil health and bio nutrients in the soil. 7/2023- In a joint effort, the Montour, Luzerne, and Columbia County Districts teamed up to hold a soil health field day 8/22/2023.	No Changes
2.2	Plant cover crops and provide incentive payments	Install cover crops on 6,000 acres of farmland	NRCS, MCCD Staff & Farmers	Countywide	2022-2024	Flexibility to pay for single species cover crops.	Staff with soil health and no-till knowledge	Grant	1 person with soil health and no-till knowledge	20,000-45,000/year	2025- The cover crop program continues as planned with the hopes of attracting more farmers. Drone seeding of cover crops is something that the grant focuses on in 2025 2023- The cover crop program continues	No Changes
2.3	Educate and work with Plain Sect farmers on cover crops	Install cover crops on 6,000 acres of farmland	NRCS, MCCD Staff & Amish and Mennonite Farmers	Anthony, Derry, Limestone Townships	2023-2025	Travel and getting farmers to meetings is limited. They will not accept cost share from government.	Staff with soil health and no-till knowledge	Grant	1 person with soil health and no-till knowledge	\$5,000	2025-We are having signups for cover crop programs. 7/2022-7/2023 We are having signups for cover crop programs and have 1000 acres available	No Changes

2.4	Planting legume cover crops for next year's corn crop to reduce N fertilizer applications	Reduce nitrogen fertilizer applications on 4,000 acres of farmland	NRCS, MCCD Staff & Farmers	Countywide	2021-2025	Lack of research on amounts of Nitrogen available from cover crops.	Staff with soil health and no-till knowledge	Grant	1 person with soil health and no-till knowledge	\$5,000	2025- MCCD continues to promote NBS and NMP as needed and provide education on the application rates being used vs what is being planned on in NBS and NMP. 7/2022-1000 acre cover crop signup on going 7/2023 - 1640.52 acre cover crop signup ongoing	No Changes
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Agriculture Priority Initiative 3: Buffers

3.1*	Increase Buffers on streams and roadside ditches	Install 165 acres of buffers on farms.	MCCD, DEP, NPC, NRCS, CREP, Pheasants forever	Countywide	2021-2024	Landowners' willingness to give up cropland as a buffer.	Botanists Arborists Biologists	As Needed	Botanists Arborists Biologists	\$200,000	2025- MCCD has installed and assisted in creating buffers throughout the county in 2025 2022-2023 we have installed 1.3 acres on the Bogart farm and 7.2 acres on the Beachel Farm	No Changes
3.2*	Provide an incentives-based program for buffers	Provide incentives for farmers to install buffers on farms.	DEP, PDA, FDA, MCCD	Countywide	2022-2024	Landowners' willingness to trust the program and give up cropland.	N/A	None	Land developer	\$50,000	2025- We have more farmers willing to install buffers. 7/2023 Through the ACAP program, farmers receive a higher ranking by installing buffers. We have had 7.2 acres installed through this incentive	No Changes
3.3*	Utilize CREP Program for buffers and rental payments	Install buffers on farms with the use of the CREP program.	NRCS	Countywide	2022-2024	Landowners' concerns about the CREP program and the loss of cropland.	Biologist	None	Biologist	\$300,000	NRCS will not share information on CREP signups.	No Changes
3.4 *	Partnership with Private Sector for education and buffer establishment	Install buffers on farms and educate landowners in workshops.	MCCD, Private Sector	Countywide	2021-2023	Landowners' willingness to convert cropland to buffer.	Biologists Botanists and Arborists	None	Biologists Botanists and Arborists	\$25,000	10/20/2025-Using native creations to install pollinators and some native trees. 12/2022-No	No Changes

3.5	Educate landowners maintenance of buffers	Control and monitor invasive species in acreage of buffers.	NRCS, MCCD Staff, Private Sector	Countywide	2022-2024	Landowners' willingness to cooperate and properly maintain buffers.	Invasive species knowledge and pesticide certification.	None	Field Days	\$5,000	2025- When buffers are established by the district, maintenance is discussed and in some cases the district will pay for the maintenance of said buffer. 8/2023-No activity. 12/2023-We have successfully planted large buffers this year. In the coming year we can use photos to make a presentation to share the benefits with other interested landowners	No Changes
3.6*	Mandatory Buffer Ordinance	Install buffers as a result of a mandatory ordinance.	Townships, MCCD	Countywide	2023-2025	Enforcement of the ordinance in the county and guilt of telling landowners how to manage their land.	County Planning and Zoning to adopt an ordinance.	None	Ordinance developer and enforcement	N/A	2025, 2023-No activity	Remove this priority initiative.
3.7	Grass hay strips along streams	Install 20 acres of hay buffers along streams on farms.	MCD, NRCS	Countywide	2022-2024	Landowner willingness to install buffer.	Crop Consulting	None	Crop Consulting	N/A	2025- MCCD writes Ag E&S Plans for farmers and if plans do not meet grass/hay strips are suggested to reduce soil deposition in streams.8/2023-No activity	No Changes

3.8	Streambank fencing	Keep cattle out/ limit access to 20 acres of the stream.	MCCD, NPC	Countywide	2022-2025	Plain Sect & Funding from the government.	Project planner	\$100,000	Fence contractor	\$50,000	2025- In the last 5 years MCCD has completed over 14 miles of fencing projects with the GG grant. Raup project completed summer 2022. Bogart project completed summer 2023.	No Changes
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Agriculture Priority Initiative 4: Reporting and Tracking												
4.1	Use Practice Keeper and Field Doc to track results	Track results for CAP with plans and maps	MCCD	Countywide	2021-2025	Unknown projects completed by landowners are difficult to track.	Staff to record plans and track results	N/A	Additional Staff to manage records	\$60,000	2025- We continue to use Practice Keeper to track plans, inspections, BMPs, etc. 7/2023- We continue to use Practice Keeper to track plans,	No Changes
4.2	Track results to evaluate progress with load reductions	Reduce Nitrogen and phosphorus loading	MCCD	Countywide	2021-2025	Unknown projects completed by landowners are difficult to track.	Staff to track results	N/A	Additional staff to manage records	\$60,000	2025- We have been tracking projects, plans, BMP verifications to count towards load reductions. 7/2023-	No Changes
4.3	GIS Mapping for tracking project	Draw maps to show progress in each watershed	MCCD Interns	Countywide	2022-2024	Access to GIS mapping software.	Inters have GIS experience	N/A	GIS Software	Funding to purchase GIS software	2025- MCCD uses Practice Keeper and PA ONE STOP's GIS mapping to track progress in the	No Changes
4.4	Verify manure application records	Ensure farmers are following their plans	MCCD	Countywide	2021-2025	Will be very time-consuming.	Staff to complete inspections	N/A	None	None	2025- We have verified some records along with inspections/ plans, but there is still more work to be done. 7/2023- We have verified some records along with inspections/plans, but there is still more work to be done.	No Changes
Agriculture Priority Initiative 5: AgLand Preservation and Cropland Retirement												
5.1	Solar Panel development will take cropland out of production	Transition 6,000 acres of cropland into solar panels	Landowners and Energy Suppliers	Countywide	2021-2025	Loss of cropland and stormwater management	None	None	None	N/A	2025- Solar Panels are being installed in the county. 7/2023- The Solar Farm project was delayed.	Reduce the acreage to 3,000 acres
5.2	Stormwater management on solar farms	Install 6,000 acres of stormwater management	MCCD, County Planning, Municipalities	Countywide	Ongoing	Maintenance and implementation	Engineers	None	Engineers	\$500,000	2025- Solar Panels are being installed in the county.	reduce the number to 3,000 acres

5.3	Implement Ag Land Preservation Program	Protect 200 acres of farmland from development	PDA, MCCD, Montour County Commissioners	Countywide	2021-2025	Limited funding	Soil knowledge & legal advice	50,000	None	\$500,000	2025- MCCD and the county are currently incurring funds under the Farmland Preservation Program. Eugene Martin farm would be next on the list. 7/2023- Gary Hertzler Farm 52 acres was preserved this year. Eugene Martin farm projected to be preserved in 2024.	No changes
Partnerships Priority Initiative 1: Partners												
1.1	Have Penn DOT involved in various practices	Implement additional cover crop services and practices such as street sweeping	Penn DOT	Countywide	2022-2025	Lack of willingness or time to participate in the implementation	Street Workers	N/A	Designers	N/A	2025, 2023- We have not worked with Penn DOT much because we did not have the opportunity this year, We hope to include them in some future projects.	No Changes
1.2	Work with NRCS on their programs in the county	Implement programs such as EQIP and CREP	NRCS	Countywide	Present- 2025	Farmer's lack of trust in CREP	NRCS Workers	N/A	Additional Programs	N/A	2025, 2023- We have worked with NRCS, but their updated privacy policy makes it difficult to gather information from them. However, we have seen improvements over the past year	No Changes
1.3	Work with the PA Game Commission in the county	Plant food plots and partner with farmers	PA Game Commission	Liberty and Mahoning Township	2022-2024	Not abundant State Game Lands in the county and a lack of knowledge of projects	Game Commission Officers	N/A	More partnerships with them in the county	None	2025, 2023- We have not had an opportunity or need to work with the PA Game commission in the past year, but we hope to work alongside them in the future.	No Changes

1.4	Continue to work with PA Fish and Boat Commission in the county	Implement stream projects that include fish habitat structures	PA Fish and Boat, MCCD	Countywide	2022-2025	Lack of knowledge of their existing and additional projects	Project planning, project implementation	Varies	N/A	N/A	2025, 2023- We continue to work with PA Fish and Boat on the Design, Permitting, and Implementation of our stream projects.	No Changes
1.5	Continue to work with US Fish and Wildlife in the county	Implement wetland construction and stream projects	US Fish and Wildlife, MCCD	Countywide	2022-2024	Lack of knowledge of their existing and additional projects	Project planning, implementation, and upkeep	Varies	None	None	2025, 2023- We continue to work with US Fish and Wildlife on our wetland projects. Over 50 acres of wetlands constructed since 2009. 3 acres of wetlands installed in 2023 on the Pentz Farm.	No Changes
1.6	Continue to work with NPC	Continue working relationship with NPC which includes installing buffers, fish habitat, and tree plantings	NPC MCCD	Countywide	2022-2025	None	Buffer planting, fish habitat designers and implementers	N/A	None	None	2025, 2023- We continue to work with NPC through our partnership on projects throughout the county.	No Changes
1.7	Have County Workers involved in implementation practices	Help implement, fund, organize and monitor implementation of CAP practices	Commissioners Zoning Planning, Grounds crew	Countywide	2022-2024	Lack of time or willingness to participate in implementation	Additional help to implement practices	N/A	Additional help to implement practices	N/A	2025, 2023-We work with Municipal and Borough Officials. Danville Borough on pollinator plantings and Valley Township on Bioswale and Fish Habitat for MS4. Mahoning Twsp for stormwater BMPs	No Changes

1.8	Involve Montour Area Recreation Commission (MARC) in various activities	Work with MARC on public education, use of natural lands in Montour County, and through the GIS software program	MARC, MCCD, County	Countywide	2022-2025	None	Help to educate the public	N/A	Help to implement practices	N/A	2025, 2023- We have talked and met with MARC to discuss potential projects and community events. We discussed the removal of fallen trees on Chillisquaque Creek.	No Changes
Stormwater Priority Initiative 1: Stream Restoration												
1.1	Continue to Install fish habitat structures on Ag Impaired Streams and reconnection of the floodplain where possible	Reduce erosion on streambanks with the instillation of structures on 20,000 linear feet of streams.	MCCD Staff, PA Fish& Boat, DEP, NPC	Chillisquaque creek and Mahoning creek watersheds.	2021-2025	Obtaining funding to meet demand of fish habitat structures and eroding streams.	Design and Installation	Varies	None	\$75,000/ year	2025- We have continued to implement fish habitat structures in streams. This year we have completed 2 projects and we have at least 1 more planned for next year.2023- We have continued to implement fish habitat structures in streams. This year we have completed the Cero and Chamberlain projects.	No Changes
1.2	Continue to monitor macroinvertebrates on Chillisquaque Creek	Track progress of stream health and disclose existing macro assessment data to DEP	Mike Bilger, MCCD Staff	Chillisquaque Creek Watershed	2021-2022	Finding a funding source.	Biologist with knowledge to ID macroinvertebrates	None	Mike Bilger	\$2,500/ year	2025- We monitored the Chillisquaque Creek with Mike Bilger in the Spring of 2024. 2023- We monitored the Chillisquaque Creek with Mike Bilger in the Spring of 2023.	No Changes

1.3	Continue to monitor macroinvertebrates and wild brook trout on Limestone Run	Track progress of stream health. Disclose existing macro assessment data to DEP	Susquehanna University/NPC, MCCD Staff	Limestone Run Watershed	2022-2024	Finding a funding source.	Biologists with knowledge to ID Fish and macroinvertebrates	N/A	Tracking of stream health.	\$2,500 / year	2025- In 2025 we did electrofishing on Limestone Run with Mike Bilger. 2023- no monitoring has been completed this year. 7/2022- Interns did sampling	No Changes
1.4	Organize Community Fallen Tree Removal Program where trees have fallen due to flooding and are creating bank erosion	Reduce erosion on streambanks by clearing brush from the stream.	MCCD Staff and Anthony and Derry Townships	Anthony and Derry Townships	2022-2025	Finding a funding source and dealing with limited resources.	Tree removal	None	Tree removal service.	\$20,000 / Year	2025- There has been discussion on this topic with MARC, but no decisions or progress has been made. NO funding source. 2023- There has been discussion on this topic with MARC, but no decisions or progress has been made. NO funding source.	No Changes
1.5	Submit macro data for DEP review	Update integrated report yearly	DEP and MCCD	Chilly Watershed Limestone Run	2021-2025	None	Data	None	None	None	2025/2022- We have the Macro data and have talked to DEP officials about the numbers. It has not been officially submitted for review.	No Changes
Stormwater Priority Initiative 2: Flooding, Wetlands, and Stormwater BMPs												
2.1	Continue to restore and preserve wetlands	Increase infiltration and reduce runoff for 80 wetland acres	USF&W Service MCCD Staff Blue Acres Engineering	Countywide	2022-2024	Mark Roberts retirement from USF&W	Design and permitting	\$150,000	None	\$100,000 per year	2025- MCCD has put an extensive amount of wetland in the county and is	No Changes

2.2	Educate landowners on the impacts of stormwater on streams and methods to control stormwater	Promote stormwater management through workshops and meetings to lessen the impact on streams	MS4, MCCD, Municipalities	Countywide	2022-2024	Generating landowner interest and meeting attendance	Engineering, Hydrology	GG	Engineering, Hydrology	\$20,000 per year	2025 In the past year there has been more attention to this issue. We are still trying to come up with ways to mitigate it.2023- Mahoning Township has slowed the progress of a potential growing greener grant to fund projects in the watershed. There is now funding.	No Changes
2.3	Promote the installation of infiltration basins for private residences	Encourage provide landowners to install basins and other stormwater control methods	MCCD, MS4, Municipalities	Countywide	2022-2025	Landowner willingness to consider an infiltration basin	Engineering Hydrology	None	Engineering, Hydrology	\$5,000	2025- MCCD has put in projects that met this goal in the past. Certain projects have failed. Further projects are uncertain. 2023-Assessment of watershed was completed by township engineers and CAP funding was added.	add waterways and diversions to this priority initiative.
2.4	Seek funding for and construction of infiltrations basins for landowners	Obtain funding to construct basins and other stormwater management practices	MCCD	Countywide	2022-2024	Landowners paying a match contribution	Sizing basins and design	\$70,000	Sizing basins and design	\$10,000 per year	2025- MCCD has put in projects that met this goal in the past. Certain projects have failed. Further projects are	add waterways and diversions to this priority initiative.
2.5*	Update and Enforce Act 167 plan	Create a plan that addresses stormwater runoff and model ordinance for homeowners	County planning, townships, MCCD and DEP	Countywide	2022-2024	There is no funding available.	Act 167 planning	N/A	Act 167 Plan development	\$300,000	2025, 2023 No funding, no updates	No Changes

2.6	Continue to work with MS4 on stormwater BMP implementation	Reduce stormwater runoff and assist townships with plan implementation including bio-retention areas, rain gardens, and buffers	Townships, county planning, DEP and MCCD	Valley township and Mahoning township	2021-2025	None	Stormwater design	N/A	Engineer to design BMP structures.	None	2025- No updates 2023- MCCD staff is worked with Valley Township to implement the Bioswale.	No Changes
2.7*	Hazard mitigation and floodplain management	Limit impacts of flooding in developed areas	Townships and county planning office	Countywide	Ongoing	Enforcement and lack of knowledge of floodplain ordinances	Some ordinance knowledge.	N/A	Knowledge of floodplain ordinances	1 million	2025- no response from county officials , 2023- We cannot report on the progress of the Planning office and the townships	No Changes
2.8	Prevent dumping near streams and roadside ditches.	Provide harsher punishments for those found dumping or littering near streams and roadside ditches.	PA State Police, Montour County	Countywide	2023 and beyond	Lack of time and resources to develop new laws with stricter punishments.	Litter laws in place	N/A	Stricter Punishments for dumping and littering.	\$500,000	2025- We hope to work with law enforcement and communities and try to reduce the amount of illegal dumping throughout the county. In 2025 we had a tire cleanup event in hopes to prevent improper disposal of tires. 2023- We have not worked on this initiative yet but soon we hope to work with law enforcement and communities to try to reduce the amount of illegal dumping throughout the county.	No Changes

Stormwater Priority Initiative 3: BMPs in Developed and Urban Areas

3.1	Educate landowners on the importance and purpose of buffers	Install buffers in urban areas and educate landowners on the importance of buffers	MCCD	Urban Areas	2022-2024	Lack of interest among landowners in urban areas	Agronomist, Biologist, Botanist	None	Agronomist, Biologist, Botanist	\$5,000 / Year	<p>2025- We have spoken with landowners about buffers but We hope to have more public events and notifications about this topic in the coming years.</p> <p>7/2023- We have worked with landowners about buffers but We hope to have more public events and notifications about this topic in the coming years.</p>
3.2	Develop a strategy to make buffers visually attractive to landowners by using pollinator mixes and flowering trees and shrubs	Develop appealing buffer designs and present them to landowners	MCCD, Private Sector	Urban Areas	2022-2024	Lack of public interest and knowledge of buffers	Buffer designs and education materials	None	Buffer designs and education materials	\$5,000/ Year	<p>2025- We have attracted landowners with a pollinator mix we provided to increase buffers and habitat. MCCD continues to utilize and maintain various pollinator buffers. In 2025 there was an increased interest in pollinator projects.</p> <p>7/2023- We have provided landowners with a pollinator mix we to increase increase interest in buffers and habitat. We order trees and shrubs for free for landowners through the 10 Million Trees program.</p>

No Changes

No Changes

3.3*	Develop an incentive-based buffer Program that pays for buffer establishment and maintenance	Give landowners an incentive to establish and maintain buffers on their property	MCCD/DEP	Urban Areas	2022-2024	Lack of a funding source for these programs	Buffer planting groups	None	Develop incentive program	\$50,000/ year	2025- We developed a pollinator program that provides landowners with pollinators through contractors such as Womer and Native Creations. 7/2023- We developed a pollinator program that provides landowners with seeds at no cost, and we have been using the Keystone 10 Million Trees Program, we just have to focus implementation more on buffers in the future.	No Changes
3.4	Mandatory Stream Buffer Program	Develop an ordinance to implement stream buffers	County Planning, MCCD, Municipalities	Urban Areas	2022-2024	Adoption of the ordinance and cooperation from landowners	Zoning	None	Program developer	\$25,000 / year	2025- We have not had the chance to develop an ordinance or talk with the county about this.7/2023- We have not had the chance to develop an ordinance or talk with the county about this.	Remove this priority initiative and replace it with Adressing streambank erosion on urban streams/ storm channels

3.5	Plant Buffers	Install buffers in urban areas	Private Sector	Urban Areas	2021-2025	Landowner willingness to participate	Agronomist, Biologist, Botanist	None	Planting, plans, and design developer	\$10,000/ year	2025- Landowners and farmers have been willing to plant meadows, buffer strips, and stream buffers. 7/2023- Landowners and farmers have been willing to plant meadows, buffer strips, and stream buffers. Urban Nutrient Management Plans have been created.	No Changes
3.6*	Nutrient application reduction on lawns	Reduce fertilizer applications on lawns	Private landowners	Urban Areas	2022-2025	Lack of interest from homeowners	Nutrient requirements for lawns	None	Nutrient/ lawn specialist	TBD	2025- No progress within the last year. 7/2023- We have provided landowners who take place in the buffer program with Urban Nutrient Management plans to help them monitor the nutrients on their	Add developing urban nutrient management plans to the performance target.

3.7	Conservation landscaping	Reduced storm water runoff from yards by using conservation methods in landscaping	Private landowners, master gardener, Penn State Extension	Urban Areas	2023-2025	Lack of interest from homeowners to change landscaping and some county ordinances do not support overgrown vegetation	Botany and landscaping knowledge	None	Botany and landscaping knowledge.	TBD	2025- We have not looked into this idea much but we hope to use some conservation landscaping at our office to promote the idea to locals. There have been increased interest in urban pollinators.7/2023- We have looked into this idea but have not implemented it yet. we hope to use more conservation landscaping at our office to promote the idea to locals.	No Changes
3.8	Continue dirt and gravel roads in low volume road program	Reduce sediment from dirt and gravel roads	Dirt and Gravel Roads Program and MCCD	Countywide	2021-2025	Limited amount of dirt and gravel roads left	Engineering and road resurfacing	\$140,000 per year	Engineering and road resurfacing	\$50,000	2025- The program is continuing to implement projects. 7/2023- The program is successfully	No Changes
3.9	Establish an educator position	Establish a position for an environmental educator to inform the public about BMPs and more	County, MCCD, MARC	Countywide	2022 and beyond	Limited funding	Information to the public through MARC and the MCCD	N/A	Constant information through teaching and handouts	\$70,000	2025- More outreach has been done through local schools or online, but we still do not have an educator position. 7/2023- Not enough funding or time to organize this position.	No Changes