

Phase 3 Watershed Implementation Plan (WIP) Annual Progress Update – Tioga 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		Annual Progress to Date (2022) <small>*add new 2022 progress above the existing 2021 progress. Date each entry</small>
							Technical	Financial	Technical	Financial	
Priority Initiative 2: Urban and Developed Stormwater											
2.1	Create Act 167 Plan	Make all SWM Ordinances consistent with County Stormwater Management Plan and implement	County Planning, Municipal Government	County	2023	Funding, Resistance, Local Enforcement, Education	Local engineers to provide insight and guidance	Funding for creation and implementation	Review of plan and approval of documents, technical guidance and	Review fees, and cost of plan creation and development	2022- Act 167 Plan funding was applied for through the Growing Greener Grant in partnership with Potter County.
2.2*	Flood Mitigation	Mitigate flooding by completing proper stormwater management and managing headwaters of streams. **Increasing Culvert sizes where need be to mitigate flooding and washout. <u>Assess and upgrade 10 projects per year.</u> Projects include culvert installation, storm drain cleaning, floodplain reconnection, etc.	Landowners, TCCD, County Planning	Developed areas within the county	2022-2025	Funding and Participation from municipalities	Technical guidance	Funds to complete replacements	Permitting, design, implementation	Funding for upgrades and management \$500,000 per year	2022- This program will be included with the development of the Cowanesque Watershed Agricultural BMPs to improve overall flood mitigation within a headwater watershed. Grant award was received to move forward with this project.
2.2a	Parking Area Stormwater	Utilize Green basins, rain gardens, curbing	COG; County Planning, TCCD,	Developed areas and parking lots	2022-2025	Cost; owner involvement	BMP Manuals, technical guidance documents	Funds to complete BMP implementation or transition	Permitting, design, implementation	Costs associated with upgrades or BMP implementation.	2022- This program has not been started but is being implemented when possible.

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	Management	and permeable pavement management stormwater on parking lots. <u>Evaluate and upgrade 5 parking lots a year</u>								\$150,000 per year	
2.2b	Residential Stormwater Management	Develop residential and small commercial property stormwater maintenance and management BMP's for implementation <u>Implement 50 residential projects a year</u> BMP's include rain gardens, rain barrels, etc.	TCCD	County developed communities	2022-2025	Funding for materials; resistance to participation; maintaining use	Existing example programs	Private BMP implementation	Permitting, planning, construction, and maintenance	Funding for materials and maintenance activities \$50,000 per year	2022- Project planning/implementation is awaiting grant award. Tioga County was involved with the Mansfield Borough Growing Greener Application to implement a large residential stormwater management system that captures over 200 acres of runoff.
2.2c	Existing Stormwater BMP retrofit Program	Upgrade existing basins, drainage systems to improve function <u>Evaluate and upgrade 5 projects per year</u>	Municipalities, landowners, rec properties	Existing sites	2022-2025	Funding; identifying suitable facilities and complete maintenance and upgrades	Example projects, Guidance documents	Implementation costs	Site data collection; Design development, and implementation	Design funds, construction funds \$250,000 per year	2022- This program has not been started but is still of high importance.

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2.2d	Stormwater Management Education	Educational and outreach Program for Residential Stormwater management and How-to presentations. <u>2 programs per year</u>	TCCD	County	2023+	Funding for Educational events/outreach	Existing Educational Materials	N/A	Educational materials and event organization	Cost for program development and outreach and education events \$15,000 per year	2022- This event has not been completed but is still of high interest.
2.3	Nutrient and Fertilizer Planning for Turf Grass	Develop and implements plans and guidance for Turf Grass <u>25 acres per year</u>	TCCD, PSU Extension, NRCS,	County	2024+	Reporting and Lack of participation due to no enforced planning.	Guidance documents,	Funds for plan development	Example plans, outreach, Enforcement, education of importance, and plan writing	Dedicate funds to launch the program and start planning \$50,000 per year	2022- This program has not been started but is still of interest.
2.3a	Turf Grass Reduction	Transition Turf grass to no mow planting areas with trees or habitat plantings <u>3 acres per year</u>	Municipalities, landowners, rec properties	County turf grass areas	2022-2025	Funding and Participation	Plantings and technical guidance documents	Planting materials and trees	Planting area identification, planning, and implementation	Costs associated with installation and management \$30,000 per year	2022- This program has not been started but is still of interest.
2.4	Roadway Management	Reduce roadway runoff and the use of salt to better improve roadways and reduce sediment and nutrient runoff into streams <u>10 miles of road per year</u>	TCCD, DCNR, Municipalities, PennDOT	County	2022-2025	Funding and Participation, Validation of alternative applications	Beet Juice Application	Existing roadway treatment materials	Identifying alternative applications, feasibility studies	Cost for management transition application and feasibility \$250,000 per year	2022- Program has been under discussion but has not yet been completed.