

Phase 3 Watershed Implementation Plan (WIP) Annual Progress Update – Bradford 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) *add new 2022 progress above the existing 2021 progress. Date each entry
							Technical	Financial	Technical	Financial	
Priority Initiative 2: Urban and Developed Stormwater											
2.1	Nutrient and Fertilizer Planning for Turf Grass	Develop and implements plans and guidance for Turf Grass <u>600 acres</u> per year either planned or verified	BCCD, PSU Extension, NRCS,	Urban	2024+	Collecting Reporting from existing plans, (ie. Golf course, school plans) and lack of participation from private landowners	Guidance documents,	Funds to development management plans	Example plans, outreach to increase importance of plans, Enforcement for possible adapted ordinances or policies.	Dedicate funds to launch the program to achieve nutrient stormwater reductions	2022- This program has not yet been developed but is still of high importance and needs a funding source for implementation.
2.1a	Turf Grass Management	Management of Turf grass fertilizer application and potentially reduce unnecessary areas <u>40 acres</u> per year	Golf Courses, BCCD, County Planner	County	2023+	Resistance to additional changes and reporting	Technical Guidance documents and proven BMP's	Funds to implement Turf grass reduction areas by tree or wildflower planting	Education and training to understand the importance and the actual implementation of these projects	Funding to implement projects	2022- This program has not yet been developed but is still of high importance and needs a funding source for implementation.
2.2	Existing Stormwater BMP retrofit Program	Upgrade existing basins, drainage systems to improve function <u>10 system upgrades or maintenance per year</u>	Municipalities, landowners, rec properties	Existing Sites	2022-2025	Funding to complete necessary maintenance or upgrades	Example projects, Guidance documents	Private funds	Site data collection; Design development, Implementation	Design funds, construction funds	2022- Existing stormwater BMPs have been discussed although halted due to lack of design funding and construction costs.
2.2a	Stormwater BMP Prioritization Tool	Creation of a prioritization tool, to identify beneficial potential project locations that consists of a database mapper and scoresheet.	County Planning	Existing g Stormwater BMP's within the county Starting with higher population and	2022-2025	Identifying suitable facilities and collecting data to create a tool	Existing data for permitted systems	Funds to develop and maintain tool and data collection	Creation of Tool/database, setting up quantifiable system and keeping it up to date, data collection Maintaining the tool	Fund to create database and collect to digitize data	2022- Conversations about program implementation have occurred although halted due lack of design funding and construction costs for projects to be implemented.

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				impervious areas							
2.3	Bridge Stormwater Management	Look at stormwater Management to reduce nutrient flowing directly into River.	PennDOT, County	Towanda Bridge and other River Crossings	2024+	Funding Determining proper course of action	Land acquisition, design, construction	Funding for engineering and construction	Design of Stormwater management system that is applicable	Funding	2022- Stormwater management on bridge facilities have been upgraded as needed during overall construction/repair events. A program to identify future repair needs has not yet been developed.
2.4	Roadway Stormwater Management	Manage stormwater on local and forest roads on public land to reduce runoff and flooding potential <u>Complete 10-15 road miles per year</u>	BCCD, DCNR, PGC, Municipalities	Roads on SGL and State Forest Roads, Areas with known flooding issues	2024+	Funding to develop guidance and implement project on identified areas Resistance to utilize different methods	Technical guidance and details	Current roadway maintenance funds	N/A	Funding for upgrades	2022- Roadway stormwater management has been upgraded and occurring during construction/repair as needed. A program to identify future repair needs has not yet been developed.
2.4a *	Culvert Replacement and Flood control BMP's	Replace undersized culverts that cause issues within the watershed and assist flood control abilities with new or maintenance to existing controls <u>10 culverts per year</u> , additional can be completed based upon project size and funding allotment	County, Engineers, TU	County Targeting high flood frequency areas	2022-2025	Funding, Participation and Implementation of Municipalities	Technical Guidance	Funds to complete replacements	Permitting, design, H&H, Identifying culverts in need of upgrade	Funding Replacement and permitting process	2022- Culvert replacements and flood control BMPs are being planned and implemented within ongoing construction and repair projects. A program to identify future repair and upgrade needs has not yet been developed.

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2.4b	Culvert Size and Flood Control Educational Program	Culvert sizing education and flood control program for county staff and private contractors. <u>2 in person programs per year</u>	County, Engineers, TU	County Targeting high flood frequency areas	2022-2025	Funding, Participation	Educational Materials and set up for stakeholder meetings	Funds to create handouts and meeting space rental	Program coordinator	Funding Education	2022- Program discussion has occurred and will require designated education funding to compete.