		Phase 3 Water	shed Implementa	tion Plan (W	IP) Annual F	Progress Update and Two	o-Year Mile	stones Rep	ort – Bradfo	rd County		
een - acti	ion has been completed or is r	moving forward as planned	Yellow - action has encou	ntered minor obs	tacles Red - ad	ction has not been taken or has en	countered a seri	ous barrier	Highlight chang	ges for 2024-202	5 milestone period	
							<u> </u>	s <u>Available</u>	1	es <u>Needed</u>	Annual Progress to Date	
Green (ellow Red	Description	Performance Target(s)	Responsible Party(ies) and Partnerships	Geographic Location	Expected Timeline	Potential Implementation Challenges or Recommendations	Technical	Financial	Technical	Financial	(2021 + 2022+2023) *add new 2023 progress above the existing 2021 and 2022 progress. Date each entry	Reason for Char to Action Iten (2024-2025milest period)
riority	Initiative 1: Agricultur	·e			<u> </u>	l		<u> </u>				
1	Implement Nutrient	Create Program for farmers	PSU Extension,	Agricultural and	2022-Creation	Funding for initial 3 years of	Local agency	Sampling Kits	Contracted	Dedicated	1	
	Management Analysis	to apply for soil sampling,	BCCD,	Hunting	of program	program, landowner	educational	(\$15 for Soil	Source for	funding to		
	Program to Agricultural	manure analysis, and	Consultant	properties	with	participation, and understanding	materials and	and \$40 for	NMP	assist in		
	Landowners	agronomics assistance to allow technical assistance			evaluation in 2025.	of data importance.	sampling kits	Manure)	analysis/reco mmendations	management and	2023 - Nutrient	
		and recommendations for		Headwaters	2023.		Consultant		IIIIIeiidatioiis	development	management	
		nutrient management		Towanda			assistance		List of	of this	analysis is being	
		implementation based on		Creek, South					recommended	program.	provided for the	
		sampling/analysis.		Branch Sugar Creek,					contacts for analysis		development of	
				Sattlerlee					completion.		new or updated	
		Approximately 3000 acres		Creek, and							plans although a	
		or more depending on		Laning Creek							separate program	
		funding		Watersheds							for designated funding hasn't	
											been developed.	
											2022- Program	
											establishment	
											and funding	
											options have	
											been under	
											discussion.	
											Funding has been	
											applied to	
											through the 2023 CAP	
											implementation	
											funds to complete	
											this effort.	
.a	Soil Sampling Program	Develop Soil Sample	PSU Extension,	Agricultural and	2022-2025		Education				2023- This program	
		Collection Program and	BCCD,	Hunting			Materials				has been started to	
		Analysis – 25 sites annually, Approximately 10 fields per	Consultant	properties			Soil Sampling				offer soil sampling kits to operations	
		farm	Target Hunting Clubs								completing new	
				Lanning Creek,							plan development	
				Hammond							or yearly testing.	
				Creek, Bailey Creek, and							2022 Breezen	
				Gaffers Creek							2022- Program establishment and	
											funding options	
											have been under	
											discussion. Funding	
											has been applied to through the 2023	
											CAP	
											implementation	
											funds to complete this effort.	
											this errort.	
											This program will	
					1			1			include purchasing	
	Manure Testing Program	Develop Manure Testing	PSU Extension,	Agricultural and	2022-2025		Education				2023 - Manure	
		Program and Analysis – 25	BCCD,	Hunting			Materials				testing has been	
		sites annually	Consultant	properties	1		Manure testing Labs	1	1		completed for operations that are	
					1		restring FgDS	1			having new plans	
				Headwaters	1			1	1		developed although	
				Towanda	1			1			a separate program	
				Creek, South	1			1			has not yet been	
				Branch Sugar Creek,	1			1			established.	
				Sattlerlee	1			1			2022- A program	
				Creek, and	1			1	1		specific to manure	
				Laning Creek	1			1			testing has not	
				Watersheds	1			1			been established	
	l	1	I	1	ı	I	ı	I	1	1	although funds for	
					1					1	manure testing will	

Verification of Existing BMP's landowner reporting forms and verify-existing BMP's on Agricultural Operations. Report and Verify 50 farms a year. Create Farmer Survey Create and deploy Farmer BMP's landowner reporting forms a year. Create Farmer Survey Create and deploy Farmer BMP's landowner data on existing BMP's and year. Create Farmer Survey Survey to collecte private landowner data on existing BMP's and year. 1.28 Or create Farmer Survey Survey to collecte private landowner data on existing BMP's and year. 1.29 Create Farmer Survey Survey to collecte private landowner data on existing BMP's and year. 1.20 Create Farmer Survey Survey to collecte private landowner data on existing BMP's and year. 1.20 Create Farmer Survey Survey to collecte private landowner data on existing BMP's and year. 1.20 Create Farmer Survey Survey to collecte private landowner data on existing BMP's and year. 1.20 Create Farmer Survey Survey to collecte private landowner data on existing BMP's and year. 1.20 Create Farmer Survey Survey to collecte private landowner data on existing BMP's and year. 1.20 Create Farmer Survey Survey to collecte private landowner data on existing BMP's and year. 1.20 Create Farmer Survey Survey to collecte private landowner data on existing BMP's and year. 1.20 Create Farmer Survey Surve													
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Aground and Operations Report and advisity following a year. Create Farmer Narway Account of Completed in Section 1987 Survey or other or more interesting on the complete in the complete in the complete interesting of the com		VEHICACION OF EXISTING BINLY S							vernication				
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100 Completed surveys a year year year year year year year. 133 Program Assist produces with make the program And the gram that the produces with make the produces and response to locate and regions and regi							participation and resistance						
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functioning, through cost- share labor or funding, Approx. 10 farms per year (projects size will determine if more or less operations can be completed) Completing maintenance on riparian buffers, fencing, rain gutters, heavy use areas, manure storages, etc. maintenance maintenance of existing BMP's 2022-Existing BMPs that require maintenance and upgrades are being noted while completing as from landowners contacting the district directly and are being assisted as funding becomes available. The rollout of the farmer survey will allow for one maintenance and upgrade project needs to be noted and addressed in the future. Funding to implement		Program		Extension	Producers			assistance		Engineers			
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1.4 *	Riparian Buffer and Stream	Implement Stream fencing	BCCD, NRCS, PSU	Streams of	2021-ongoing	Funding and Producer	NRCS, PSU	N/A	K-10	Stream fencing		
	Fencing	and riparian buffer on crop	Extension	Agricultural		participation,	Extension,		Labor to	costs, Trees if	buffer and stream	
		and pasture lands.		Properties		Importance of maintenance	Consultants,		plant/install	not available,	fencing projects	
		7880 Acres of new or		Target Hunting			SCC			planting and maintenance	have been completed this	
		verified existing		and Fishing						maintenance	year.	
		verified existing		clubs						1	2022- Riparian	
				ciabs							Buffer and Stream	
											Fencing projects are	
											being planned and	
											implemented on	
										1	agricultural	
											properties.	
										1	Multiple stream	
											fencing projects	
										1	were sent for bids	
											and will be installed	
											by the spring.	
1.5		Promote Soil Health by	BCCD, NRCS	Agricultural	2021-2025	Producer Participation and	Cases Studies,	Seed Costs	Outreach	Dedicated	2023 - Soil health	
	Soil Health	increasing No Till and Cover		Landowners		Resistance.	Educational Materials,		support, event development,	funding to this	was increased this year with the	
	Soil Health	Cropping		operations		Education on overall management change	Seminars		Deliverables	position,	addition of the ne	
		Increase No Till by 1,250		Seeley Creek,		importance, equipment	Seminars		through	1	No-Till Drill rental.	
		acres per year and Cover		North and		availability			existing	1	This equipment	
		Cropping by 3,000 acres		South Branch		availability			publications	1	increased no-till	
		a. app8 a / a / a a a a a a a		Sugar Creek,					,	1	acreage throughout	
				Head Waters of						1	the county.	
				Tioga River,						1	2022- No-till and	
				Headwaters						1	cover cropping is	
	1			Towanda		1	I	I	1	I	being promoted	
				Creek, Laning			1	1		l	through the	
				Creek, and			1	1		l	education and	
	1			Black Creek-		1					expanded use of no-	
				little Loyalsock			1	1		l	till rental programs.	
	1			Creek		1					Funding was	
				Watersheds			1	1		l	received to	
	1			I		1					purchase a new No-	
	1			I		1					Till Drill this year	
	1			I		1					which will allow for	
	1			I		1					increased equipment use and	
	1			I		1					promote smaller	
	1			I		1					operations to utilize	
				I			1	1		l	the practice.	
	1			I		1					Drill purchase is	
				I			1	1		l	currently	
				I			1	1		1	underway.	
1.6	Equipment Rental and	Provide equipment rental to	BCCD	Agricultural	2021-2025	Logistics and maintenance	No-Till	Funds to	Rental	No Till Drill -	2023 - The	
1.0	Availability	farmers to encourage more	5505	Landowners	2021-2023	cogonics and manneliditie	Equipment	purchase and	Agreement	\$30,000.00	purchase and	
		BMP implementation on		operations		1		maintain	-0cmclit	, 500.00	availability for the	
	1	small operations and reduce				1		equipment		Lime Spreader	new no-till drill	
		nutrients being applied		I			1	1	Delivery of	\$10,000.00	rental has increased	
		incorrectly		I			1	1	equipment		rental availability	
				I			1	1	1	Manure	and implemented	
	1			I		1	I	I	Contracting a	Injection	no-till acres	
	1			I		i	I	I	delivery	Equipment -	throughout the	
	1											
									service for	\$150,000.00	county.	
									service for equipment	\$150,000.00	county. 2022- Received	
									equipment	\$150,000.00 Manure	county. 2022- Received funding to purchase	
									equipment Contracting a	\$150,000.00 Manure Spreader -	county. 2022- Received funding to purchase another No-Till Drill	
									equipment Contracting a custom	\$150,000.00 Manure	county. 2022- Received funding to purchase another No-Till Drill to increase	
									equipment Contracting a custom farming	\$150,000.00 Manure Spreader -	county. 2022- Received funding to purchase another No-Till Drill to increase implementation	
									equipment Contracting a custom farming operator to	\$150,000.00 Manure Spreader -	county. 2022- Received funding to purchase another No-Till Drill to increase implementation and allow smaller	
									equipment Contracting a custom farming operator to assist in	\$150,000.00 Manure Spreader -	county. 2022- Received funding to purchase another No-Till Drill to increase implementation and allow smaller farms to utilize the	
									equipment Contracting a custom farming operator to assist in equipment	\$150,000.00 Manure Spreader -	county. 2022- Received funding to purchase another No-Till Drill to increase implementation and allow smaller farms to utilize the practice. Prices	
									equipment Contracting a custom farming operator to assist in	\$150,000.00 Manure Spreader -	county. 2022- Received funding to purchase another No-Till Drill to increase implementation and allow smaller farms to utilize the practice. Prices have been received	
									equipment Contracting a custom farming operator to assist in equipment	\$150,000.00 Manure Spreader -	county. 2022- Received funding to purchase another No-Till Drill to increase implementation and allow smaller farms to utilize the practice. Prices have been received for drill purchase	
									equipment Contracting a custom farming operator to assist in equipment	\$150,000.00 Manure Spreader -	county. 2022- Received funding to purchase another No-Till Drill to increase implementation and allow smaller farms to utilize the practice. Prices have been received for drill purchase and is being	
									equipment Contracting a custom farming operator to assist in equipment	\$150,000.00 Manure Spreader -	county. 2022- Received funding to purchase another No-Till Drill to increase implementation and allow smaller farms to utilize the practice. Prices have been received for drill purchase and is being completed this	
									equipment Contracting a custom farming operator to assist in equipment	\$150,000.00 Manure Spreader -	county. 2022- Received funding to purchase another No-Till Drill to increase implementation and allow smaller farms to utilize the practice. Prices have been received for drill purchase and is being completed this year.	
									equipment Contracting a custom farming operator to assist in equipment	\$150,000.00 Manure Spreader -	county. 2022- Received funding to purchase another No-Till Drill to increase implementation and allow smaller farms to utilize the practice. Prices have been received for drill purchase and is being completed this year. Overall equipment	
									equipment Contracting a custom farming operator to assist in equipment	\$150,000.00 Manure Spreader -	county. 2022- Received funding to purchase another No-Till Drill to increase implementation and allow smaller farms to utilize the practice. Prices have been received for drill purchase and is being completed this year. Overall equipment rental programs are	
									equipment Contracting a custom farming operator to assist in equipment	\$150,000.00 Manure Spreader -	county. 2022- Received funding to purchase another No-Till Drill to increase implementation and allow smaller farms to utilize the practice. Prices have been received for drill purchase and is being completed this year. Overall equipment	
									equipment Contracting a custom farming operator to assist in equipment	\$150,000.00 Manure Spreader -	county. 2022- Received funding to purchase another No-Till Drill to increase implementation and allow smaller farms to utilize the practice. Prices have been received for drill purchase and is being completed this year. Overall equipment rental programs are still underway and	
									equipment Contracting a custom farming operator to assist in equipment	\$150,000.00 Manure Spreader -	county. 2022- Received funding to purchase another No-Till Drill to increase implementation and allow smaller farms to utilize the practice. Prices have been received for drill purchase and is being completed this year. Overall equipment rental programs are still underway and	
1.7*	Barnyard, Heavy Use	Implement BMP's on farms	BCCD, NRCS, SCC,	County	2021-2025	Project match on larger projects,	Engineering		equipment Contracting a custom farming operator to assist in equipment	\$150,000.00 Manure Spreader - \$10,000.00	county. 2022- Received funding to purchase another No-Till Drill to increase implementation and allow smaller farms to utilize the practice. Prices have been received for drill purchase and is being completed this year. Overall equipment rental programs are still underway and	
1.7 *	Barnyard, Heavy Use Management, and Manure	Implement BMP's on farms where the most nutrient	BCCD, NRCS, SCC,	County	2021-2025	Project match on larger projects, Prevailing wage, increased wait	Engineering and design		equipment Contracting a custom farming operator to assist in equipment usage	\$150,000.00 Manure Spreader - \$10,000.00	county. 2022- Received funding to purchase another No-Till Drill to increase implementation and allow smaller farms to utilize the practice. Prices have been received for drill purchase and is being completed this year. Overall equipment rental programs are still underway and being implemented.	
1.7 *		where the most nutrient concentration occurs (heavy	BCCD, NRCS, SCC,	Seeley Creek,	2021-2025	Prevailing wage, increased wait times for funding and farmer			equipment Contracting a custom farming operator to assist in equipment usage Engineering, design, and permitting	\$150,000.00 Manure Spreader - \$10,000.00 \$1,000,000.00 per year to increase	county. 2022- Received funding to purchase another No-Till Drill to increase implementation and allow smaller farms to utilize the practice. Prices have been received for drill purchase and is being completed this year. Overall equipment rental programs are still underway and being implemented. 2023 - BMP projects have been ongoing at farm operations	
1.7*	Management, and Manure	where the most nutrient concentration occurs (heavy use) and reduce the travel	BCCD, NRCS, SCC,	Seeley Creek, North and	2021-2025	Prevailing wage, increased wait	and design		equipment Contracting a custom farming operator to assist in equipment usage Engineering, design, and	\$150,000.00 Manure Spreader - \$10,000.00 \$1,000,000.00 per year to increase overall project	county. 2022- Received funding to purchase another No-Till Drill to increase implementation and allow smaller farms to utilize the practice. Prices have been received for drill purchase and is being completed this year. Overall equipment rental programs are still underway and being implemented. 2023 - BMP projects have been ongoing at farm operations this year. Multiple	
1.7 *	Management, and Manure	where the most nutrient concentration occurs (heavy use) and reduce the travel of nutrients into streams	BCCD, NRCS, SCC,	Seeley Creek, North and South Branch	2021-2025	Prevailing wage, increased wait times for funding and farmer	and design		equipment Contracting a custom farming operator to assist in equipment usage Engineering, design, and permitting	\$150,000.00 Manure Spreader - \$10,000.00 \$1,000,000.00 per year to increase	county. 2022- Received funding to purchase another No-Till Drill to increase implementation and allow smaller farms to utilize the practice. Prices have been received for drill purchase and is being completed this year. Overall equipment rental programs are still underway and being implemented. 2023 - BMP projects have been ongoing at farm operations this year. Multiple implementations	
1.7 *	Management, and Manure	where the most nutrient concentration occurs (heavy use) and reduce the travel of nutrients into streams and construct roofed	BCCD, NRCS, SCC,	Seeley Creek, North and South Branch Sugar Creek,	2021-2025	Prevailing wage, increased wait times for funding and farmer	and design		equipment Contracting a custom farming operator to assist in equipment usage Engineering, design, and permitting	\$150,000.00 Manure Spreader - \$10,000.00 \$1,000,000.00 per year to increase overall project	county. 2022- Received funding to purchase another No-Till Drill to increase implementation and allow smaller farms to utilize the practice. Prices have been received for drill purchase and is being completed this year. Overall equipment rental programs are still underway and being implemented. 2023 - BMP projects have been ongoing at farm operations this year. Multiple implementations have occurred as	
1.7 *	Management, and Manure	where the most nutrient concentration occurs (heavy use) and reduce the travel of nutrients into streams and construct roofed manure stacking pads to	BCCD, NRCS, SCC,	Seeley Creek, North and South Branch Sugar Creek, Head Waters of	2021-2025	Prevailing wage, increased wait times for funding and farmer	and design		equipment Contracting a custom farming operator to assist in equipment usage Engineering, design, and permitting	\$150,000.00 Manure Spreader - \$10,000.00 \$1,000,000.00 per year to increase overall project	county. 2022- Received funding to purchase another No-Till Drill to increase implementation and allow smaller farms to utilize the practice. Prices have been received for drill purchase and is being completed this year. Overall equipment rental programs are still underway and being implemented. 2023 - BMP projects have been ongoing at farm operations this year. Multiple implementations have occurred as well as	
1.7 *	Management, and Manure	where the most nutrient concentration occurs (heavy use) and reduce the travel of nutrients into streams and construct roofed	BCCD, NRCS, SCC,	Seeley Creek, North and South Branch Sugar Creek, Head Waters of Tioga River,	2021-2025	Prevailing wage, increased wait times for funding and farmer	and design		equipment Contracting a custom farming operator to assist in equipment usage Engineering, design, and permitting	\$150,000.00 Manure Spreader - \$10,000.00 \$1,000,000.00 per year to increase overall project	county. 2022- Received funding to purchase another No-Till Drill to increase implementation and allow smaller farms to utilize the practice. Prices have been received for drill purchase and is being completed this year. Overall equipment rental programs are still underway and being implemented. 2023 - BMP projects have been ongoing at farm operations this year. Multiple implementations have occurred as well as mell as mell as mell as mell as maintenance and	
1.7 *	Management, and Manure	where the most nutrient concentration occurs (heavy use) and reduce the travel of nutrients into streams and construct roofed manure stacking pads to reduce winter spreading	BCCD, NRCS, SCC,	Seeley Creek, North and South Branch Sugar Creek, Head Waters of Tioga River, Headwaters	2021-2025	Prevailing wage, increased wait times for funding and farmer	and design		equipment Contracting a custom farming operator to assist in equipment usage Engineering, design, and permitting	\$150,000.00 Manure Spreader - \$10,000.00 \$1,000,000.00 per year to increase overall project	county. 2022- Received funding to purchase another No-Till Drill to increase implementation and allow smaller farms to utilize the practice. Prices have been received for drill purchase and is being completed this year. Overall equipment rental programs are still underway and being implemented. 2023 - BMP projects have been ongoing at farm operations this year. Multiple implementations have occurred as well as maintenance and upgrades to existing	
1.7*	Management, and Manure	where the most nutrient concentration occurs (heavy use) and reduce the travel of nutrients into streams and construct roofed manure stacking pads to reduce winter spreading BMP's include Barnyards,	BCCD, NRCS, SCC,	Seeley Creek, North and South Branch Sugar Creek, Head Waters of Tioga River, Headwaters Towanda	2021-2025	Prevailing wage, increased wait times for funding and farmer	and design		equipment Contracting a custom farming operator to assist in equipment usage Engineering, design, and permitting	\$150,000.00 Manure Spreader - \$10,000.00 \$1,000,000.00 per year to increase overall project	county. 2022- Received funding to purchase another No-Till Drill to increase implementation and allow smaller farms to utilize the practice. Prices have been received for drill purchase and is being completed this year. Overall equipment rental programs are still underway and being implemented. 2023 - BMP projects have been ongoing at farm operations this year. Multiple implementations have occurred as well as maintenance and upgrades to existing facilities.	
1.7*	Management, and Manure	where the most nutrient concentration occurs (heavy use) and reduce the travel of nutrients into streams and construct roofed manure stacking pads to reduce winter spreading BMP's include Barnyards, manure storage, buffer	BCCD, NRCS, SCC,	Seeley Creek, North and South Branch Sugar Creek, Head Waters of Tioga River, Headwaters Towanda Creek, Laning	2021-2025	Prevailing wage, increased wait times for funding and farmer	and design		equipment Contracting a custom farming operator to assist in equipment usage Engineering, design, and permitting	\$150,000.00 Manure Spreader - \$10,000.00 \$1,000,000.00 per year to increase overall project	county. 2022- Received funding to purchase another No-Till Drill to increase implementation and allow smaller farms to utilize the practice. Prices have been received for drill purchase and is being completed this year. Overall equipment rental programs are still underway and being implemented. 2023 - BMP projects have been ongoing at farm operations this year. Multiple implementations have occurred as well as maintenance and upgrades to existing facilities. 2022- Planning and	
1.7 *	Management, and Manure	where the most nutrient concentration occurs (heavy use) and reduce the travel of nutrients into streams and construct roofed manure stacking pads to reduce winter spreading BMP's include Barnyards,	BCCD, NRCS, SCC,	Seeley Creek, North and South Branch Sugar Creek, Head Waters of Tioga River, Headwaters Towanda Creek, Laning Creek, and	2021-2025	Prevailing wage, increased wait times for funding and farmer	and design		equipment Contracting a custom farming operator to assist in equipment usage Engineering, design, and permitting	\$150,000.00 Manure Spreader - \$10,000.00 \$1,000,000.00 per year to increase overall project	county. 2022- Received funding to purchase another No-Till Drill to increase implementation and allow smaller farms to utilize the practice. Prices have been received for drill purchase and is being completed this year. Overall equipment rental programs are still underway and being implemented. 2023 - BMP projects have been ongoing at farm operations this year. Multiple implementations have occurred as well as maintenance and upgrades to existing facilities. 2022- Planning and discussions	
1.7 *	Management, and Manure	where the most nutrient concentration occurs (heavy use) and reduce the travel of nutrients into streams and construct roofed manure stacking pads to reduce winter spreading BMP's include Barnyards, manure storage, buffer strips, rain gutters, etc.	BCCD, NRCS, SCC,	Seeley Creek, North and South Branch Sugar Creek, Head Waters of Tioga River, Headwaters Towanda Creek, Laning Creek, and Black Creek-	2021-2025	Prevailing wage, increased wait times for funding and farmer	and design		equipment Contracting a custom farming operator to assist in equipment usage Engineering, design, and permitting	\$150,000.00 Manure Spreader - \$10,000.00 \$1,000,000.00 per year to increase overall project	county. 2022- Received funding to purchase another No-Till Drill to increase implementation and allow smaller farms to utilize the practice. Prices have been received for drill purchase and is being completed this year. Overall equipment rental programs are still underway and being implemented. 2023 - BMP projects have been ongoing at farm operations this year. Multiple implementations have occurred as well as maintenance and upgrades to existing facilities. 2022- Planning and discussions regarding heavy use	
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1.7 *	Management, and Manure	where the most nutrient concentration occurs (heavy use) and reduce the travel of nutrients into streams and construct roofed manure stacking pads to reduce winter spreading BMP's include Barnyards, manure storage, buffer strips, rain gutters, etc. Increase number of total projects by 5 per year on	BCCD, NRCS, SCC,	Seeley Creek, North and South Branch Sugar Creek, Head Waters of Tioga River, Headwaters Towanda Creek, Laning Creek, and Black Creek- Little Loyalsock Creek	2021-2025	Prevailing wage, increased wait times for funding and farmer	and design		equipment Contracting a custom farming operator to assist in equipment usage Engineering, design, and permitting	\$150,000.00 Manure Spreader - \$10,000.00 \$1,000,000.00 per year to increase overall project	county. 2022- Received funding to purchase another No-Till Drill to increase implementation and allow smaller farms to utilize the practice. Prices have been received for drill purchase and is being completed this year. Overall equipment rental programs are still underway and being implemented. 2023 - BMP projects have been ongoing at farm operations this year. Multiple implementations have occurred as well as maintenance and upgrades to existing facilities. 2022- Planning and discussions regarding heavy use area management are occurring and	
1.7*	Management, and Manure	where the most nutrient concentration occurs (heavy use) and reduce the travel of nutrients into streams and construct roofed manure stacking pads to reduce winter spreading BMP's include Barnyards, manure storage, buffer strips, rain gutters, etc. Increase number of total projects by 5 per year on top of current county and	BCCD, NRCS, SCC,	Seeley Creek, North and South Branch Sugar Creek, Head Waters of Tioga River, Headwaters Towanda Creek, Laning Creek, and Black Creek- Little Loyalsock	2021-2025	Prevailing wage, increased wait times for funding and farmer	and design		equipment Contracting a custom farming operator to assist in equipment usage Engineering, design, and permitting	\$150,000.00 Manure Spreader - \$10,000.00 \$1,000,000.00 per year to increase overall project	county. 2022- Received funding to purchase another No-Till Drill to increase implementation and allow smaller farms to utilize the practice. Prices have been received for drill purchase and is being completed this year. Overall equipment rental programs are still underway and being implemented. 2023 - BMP projects have been ongoing at farm operations this year. Multiple implementations have occurred as well as well as maintenance and upgrades to existing facilities. 2022- Planning and discussions regarding heavy use are a management are occurring and ongoing.	
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1.7 *	Management, and Manure	where the most nutrient concentration occurs (heavy use) and reduce the travel of nutrients into streams and construct roofed manure stacking pads to reduce winter spreading BMP's include Barnyards, manure storage, buffer strips, rain gutters, etc. Increase number of total projects by 5 per year on top of current county and NRCS workload.	BCCD, NRCS, SCC,	Seeley Creek, North and South Branch Sugar Creek, Head Waters of Tioga River, Headwaters Towanda Creek, Laning Creek, and Black Creek- Little Loyalsock Creek	2021-2025	Prevailing wage, increased wait times for funding and farmer	and design		equipment Contracting a custom farming operator to assist in equipment usage Engineering, design, and permitting	\$150,000.00 Manure Spreader - \$10,000.00 \$1,000,000.00 per year to increase overall project	county. 2022- Received funding to purchase another No-Till Drill to increase implementation and allow smaller farms to utilize the practice. Prices have been received for drill purchase and is being completed this year. Overall equipment rental programs are still underway and being implemented. 2023 - BMP projects have been ongoing at farm operations this year. Multiple implementations have occurred as well as maintenance and upgrades to existing facilities. 2022- Planning and discussions regarding heavy use area management are occurring and ongoing. Barnyard heavy use areas and manure	
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1.7*	Management, and Manure	where the most nutrient concentration occurs (heavy use) and reduce the travel of nutrients into streams and construct roofed manure stacking pads to reduce winter spreading BMP's include Barnyards, manure storage, buffer strips, rain gutters, etc. Increase number of total projects by 5 per year on top of current county and NRCS workload. Project number could increase if smaller projects are obtained. Potentially 10-	BCCD, NRCS, SCC,	Seeley Creek, North and South Branch Sugar Creek, Head Waters of Tioga River, Headwaters Towanda Creek, Laning Creek, and Black Creek- Little Loyalsock Creek	2021-2025	Prevailing wage, increased wait times for funding and farmer	and design		equipment Contracting a custom farming operator to assist in equipment usage Engineering, design, and permitting	\$150,000.00 Manure Spreader - \$10,000.00 \$1,000,000.00 per year to increase overall project	county. 2022- Received funding to purchase another No-Till Drill to increase implementation and allow smaller farms to utilize the practice. Prices have been received for drill purchase and is being completed this year. Overall equipment rental programs are still underway and being implemented. 2023 - BMP projects have been ongoing at farm operations this year. Multiple implementations have occurred as well as maintenance and upgrades to existing facilities. 2022- Planning and discussions regarding heavy use area management are occurring and ongoing. Barnyard heavy use areas and manure storages have been proposed projects for implementation and some are on hold due to the	
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1.8		Assist farmers that are transitioning operation types with the necessary BMP and management practices and consult individuals that are removing lands from production. Provide assistance with reforestation, recreational management, CREP and Wildlife habitat improvements 10 farms per year	BCCD, NRCS, PSU Extension	County		Outreach to Landowners, Potential for Long Term Contracts. Maintenance for proposed BMP's	Planning Documents, Education	Plantings, and seed for land retirement plantings	Staff to complete recommendati ons	being implemented, Plan Revisions	2023 - Operation transition and land retirement assistance is still being provided to those who contacts the district although a program or educational series has not been developed. 2022- Operational transition and land retirement assistance has been provided to those who contact the district, but a program has not been developed. Operation Transition has been a large topic of discussion to get landowners thinking about the future and creating a plan. This program is of high interest although	
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Priority I	nitiative 2: Urban and											
2.1	Nutrient and Fertilizer Planning for Turf Grass	Develop and implements		Urban	2024+	Collecting Reporting from existing plans, (i.e. Golf course, school plans) and lack of participation from private landowners	Guidance documents,	Funds to development management plans	outreach to increase importance of plans,	Dedicate funds to launch the program to achieve nutrient stormwater reductions	2023 - This program has not been developed but is still a priority. 2022- This program has not yet been developed but is still of high importance and needs a funding source for implementation.	
2.1a	-	Management of Turf grass fertilizer application and potentially reduce unnecessary areas 40 acres per year	Golf Courses, BCCD, County Planner	County	2023+	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 implementatio n of these projects		2023 - This program has not been developed but is still a priority. 2022- This program has not yet been developed but is still of high importance and needs a funding source for implementation.	
2.2	retrofit Program	Upgrade existing basins, drainage systems to improve function 10 system upgrades or maintenance per year	Municipalities, landowners, rec properties	Existing Sites	2022-2025		Example projects, Guidance documents	Private funds	Site data collection; Design development, Implementatio n	funds	2023 - Existing stormwater projects on farming operations are being discussed and prioritized for implementation. 2022- Existing stormwater BMPs have been discussed although halted due to lack of design funding and construction costs.	
2.2a	Prioritization Tool	Creation of a prioritization tool, to identify beneficial potential project locations that consists of a database mapper and scoresheet.		Existing g Stormwater BMP's within the county Starting with higher population and impervious areas	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	collect to digitize data	2023 - This tool has not been developed although is still a priority for completion. 2022- 2022- Conversations about program implementation have occurred although halted due lack of design funding and construction costs for projects to be implemented.	

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	2023 - Stormwater infrastructure on all ongoing bridge repair projects have also been inspected and upgraded if needed throughout the county. 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 Complete 10-15 road miles per year	BCCD, DCNR, PGC, Municipalities	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	2023 - Roadway stormwater management has been upgraded at ongoing construction projects throughout the county this year. 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 10 culverts per year, additional can be completed based upon project size and funding allotment	County, Engineers, TU	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	needed on planned construction projects this year. The replacement of additional undersized culverts has not yet occurred. 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.	
2.4b	Culvert Size and Flood Control Educational Program	Culvert sizing education and flood control program for county staff and private contractors. 2 in person programs per year	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	2023 - This project is still of priority although has not had dedicated funding to create the program. 2022- Program discussion has occurred and will require designated education funding to compete.	

3.1	Upgrades and Maintenance on Public Sewer		County Planning, Local Authority	County	2025	Cost of upgrades and maintenance, design and permitting	Sewer inspections, permit reviews	Cost of upgrades and maintenance	Engineering support	Cost of upgrades	2023 - Public sewer maintenance activities are being completed as needed. 2022 - Public sewer maintenance activities are ongoing and being completed on an as needed basis. Additional funding opportunities would increase the amount of upgrades available to these facilities.	
Priority	nitiative 4: Watershed	l Health							I	l		
4.1	Framland and Forestry Preservation		BCCD, NPC	County	2021-2025	Funding for preserved lands and landowner participation	Existing programs	Farmland Preservation Program, Land Conservation Programs, Land donations	Additional outreach and support	Funding for farmland and forestry preservation.	2023 - Farmland and forestry preservation are occurring as funding becomes available. Additional funds would increase preservation amounts. 2022 - Farmland and Forestry	
4.2	Forestry Management	Provide Forest Management plans and technical assistance 10 plans per year	BCCD, DCNR	Private forest lands	2021-2025	Qualified foresters to complete management plans and assistance and landowner participation	Plan writing and technical assistance	Cost of plan writing	Plan writing, Education, outreach	Funds for plan development	nesservation have 2023 - The second year of grant funding for the Forestry Education Symposium was awarded with the first event occurring this September. 2022- Bradford County Received grant funding through the 2022 Environmental Education Grant to implement a Forestry Education Symposium and project implementation is underway.	
4.3 *	Stream Quality Improvements	Improve overall stream quality by creating grass and forested buffers, bed and bank stabilization, and headwater protection 1.5 Miles of stream per year (Both banks) Projects to include buffers, bed and bank stabilization, and floodplain reconnection.	BCCD, NRCS, DCNR, Landowners	County Forest lands	2022-2025	permitting constraints	Project design and permitting, site identification, landowner outreach	Cost for permitting, design, and construction	Engineering, design, permitting	Additional funds to complete projects	2023 - Stream improvement projects are being implemented through the utilization of CAP implementation funds. 2022- Stream quality improvements are being completed and planned through the utilization of CAP implementation	