											plate – CUMBERLAND COUNTY	
					_	been completed or is moving fo	<u> </u>		s encountered minor o	bstacles <u>Red</u> -	action has not been taken or has encountered a serious barrier	
			Responsible Party(Potential Implementation	Resources <u>A</u>	1	Resources		Annual Progress to Date	Reason for Change
Action #	Description	Performance Target(s)	and Partnerships	Location	Expected Timeline	Challenges or	Technical	Financial	Technical	Financial	(2021 to 2024)	to Action Item
	1	rogrammatic Initiatives	0000 0000		·	A 1		1.110		2.70		
1.1A	Implement County Comprehensive Plan	Development directed to established growth areas; limited development and	CCPC, CCPD,	Cumberland County	Ungoing	Need to level the municipal knowledge base on the	Education, outreach	N/A	Local planning coordination	N/A	2024 - From January 1 to September 9, 2024, the CCPD staff has reviewed 31 ordinance or comprehensive plan amendments. These amendments range from simple text amendments to complete ordinance revisions. Some of the larger reviews in this	2022- Since Chesapeake Conservancy has completed the rollout of the latest land cover
	policies and actions	protection of natural resources in	mameipanties	County		-	GIS analysis for long-		Coordination		timeframe include the Picture Perry Comprehensive Plan, Monroe Township new zoning ordinance, a rezoning of 7.3 acres in	data set, which will be routinely updated and
	ponores and decions	established rural areas				' '	term land use				Hampden Township from residential country to commercial park limited, and a rezoning of 7 parcels in North Middleton	used in future versions of CAST, we don't need to
						local plans and ordinances,	prediction				Township	make our own effort to influence the existing or
		Develop a process to calibrate the land-				growth areas not consistent	ľ					predicted land use data layers.
		use changes on the landscape to long-				with Census Urbanized Areas					2023 - 26 ordinance reviews were conducted by CCPD in the first half of 2023; significant submissions included Comprehensive	
		term land use change prediction in				and their contributing storm					Plans for North Middleton Township and Perry County, a new zoning ordinance for Southampton Township, the Borough of	
		CAST-				sewersheds, limited	action cataloguing				Camp Hill, and the Borough of New Cumberland. An amendment of planned center, storage depot and drop lots in Silver Spring	
						resources to address diverse					Township, and a redevelopment overlay district in Middlesex Township.	
		Catalogue annual ordinance updates				needs from east to west						
		Catalogue actions that occur at									2022 - 26 ordinance reviews were conducted by CCPD in the first half of 2022; significant submissions included comprehensive plans for Dickinson Township, Lower Frankford Township, and North Middleton Township which were completed or are nearing	
		municipal level									completion with county planning guidance. South Middleton Township completed a new comprehensive plan and future land	8
		municipal level									use map. Updates to zoning ordinances for South Middleton Township and East Pennsboro Township are underway. One rezoning	
											with significant land use impacts in Middlesex Township was for approximately 200 acres of prime farmland to be rezoned from	
											Residential Farm to Village Center to provide for a residential mixed use development known as neighborhood design	
											development.	
											2021 – 26 ordinance reviews were conducted by CCPD in the first half of 2021. Three significant rezoning requests were	
											submitted to the county Planning Commission to rezone a total of 250 acres in two municipalities from Agriculture to Industrial	
											use. Two of the rezoning requests were recommended for disapproval by county and municipal planning commissions, and the	
											third has been postponed. We'll need to work with the Chesapeake Bay Office Technical Team to see if the County's long-term	
											land use layer can be used to calibrate CAST in addition to the existing land use data sets that are developed by the County GIS	
											department. This is not a time sensitive item, but the County is willing to work with Technical Team on data compatibility.	
1.1B	Implement Cumberland	Countywide municipal comp plan and	CCPC, CCPD,	Cumberland	Ongoing	Municipal investment in	Education, outreach,	\$100k	Local planning	N/A	2024- Cumberland Plans funding was awarded to the Cumberland County Housing and Redevelopment Authority for a	
	Plans Program (CPP)	ordinance conformance with 2017	municipalities	County		reviewing/updating comp plans and ordinances	ordinance review, comp plan review	(county grant	coordination		Consolidated Housing Plan and Affirmative Fair Housing Study that will cover 2025-2029.	
		comp plan vision				pians and ordinances	comp plan review	(county grant 50%, municipal			2023 - Cumberland Plans funding was awarded to update the Mechanicsburg Borough Comprehensive Plan and develop a new	
		Encourage municipalities to review						50% match)			Zoning Ordinance for West Pennsboro Township.	
		their ordinances through this program						3070 materiy			25 mily ordinaries for west remissions formally.	
		to address topics such as resource									2022 - Cumberland Plans funding was awarded to update municipal Comprehensive plan in Wormleysburg Borough, the Zoning	
		overlay districts, required parking									Ordinance and Official Map update in Middlesex Township and begin work on the Cumberland County Comprehensive Plan. The	
		reductions, climate mitigation,									green infrastructure best practices background research is complete. Pending interest from municipalities, it will be advanced	
		warehouse landscaping and lawn									into a manual/website/online tool kit.	
		reduction										
											2021 – A review of riparian buffer standards in municipalities throughout the county, and research on best practices on green	
											infrastructure and conservation landscaping measures is currently underway. Planning grants awarded in the last round include	d
											Zoning Ordinance update for Newville, Newburg and New Cumberland Boroughs, and an ordinance Codification for Mt. Holly Springs Borough. County Planning staff and Planning Commission have been involved with these updates and have provided	
											thorough review of the new standards.	
1.1C	Model ordinances (SWM)	Ag E&S/NM plan local requirement	CCPD, CCCD,	Start with	Ongoing	Municipalities understanding	Receive plans if	N/A	Plan review capacity	\$100,000 per	2022 - Existing data management tools (Practice Keeper and FieldDoc) are still not equipped to manage the anticipated data	2022- Lack of data reporting progress as of
	,	(plans need to exist, local muni doesn't	' '	select-		the value of these actions,	submitted through		, , ,	year '	results from this effort. Given the time we have to work through the process through 2025, this effort could pair up with the	August 2022 so that the data collected can be
		review) – trigger mechanism (building		municipalities	-	provide support on data	SBD/LD process		Practice Keeper data		next MS4 permit rather than being a County-led effort.	immediately useful. Since there's little motivation
	p fe st	permit); collect by muni, pass onto CD-		where-		sharing to keep the			input/management	\$60,000 per yea		for municipalities to take this extra regulatory
		for input into Practice Keeper –		stormwater-		paperwork burden low,					2021 – Cumberland County needs FieldDoc to be established to have a place to store urban/suburban BMP data before we	step on their own, this is best considered as part
		stormwater permits for ag engineers –		fees exist		opportunity reduce review			Building Permit		conduct municipal outreach and solicit BMP information. Further, if PracticeKeeper will continue to be restricted in terms of	of the next MS4 permit. It would be applicable to
		boilerplate BMP design options		(Monroe Twp	,	time if boilerplate BMP			Approval Process	V. 2.11 1 2	users, to pursue this initiative with an outcome of additional reported plans and BMPs, we would need a module to be built in	MS4s who are on the margin of the metropolitan
				Silver Spring		designs are widely adopted			Update/Training	Variable based		
				I wp, Upper/Lower		by practitioners			Boilerplate BMP	on municipalities	the initiative, including potential model ordinance development, mechanisms for municipalities to share information with Coun- Planning/Conservation District, and the potential for boiler plate BMP design templates, the ongoing timeline is appropriate so	ıy
				Allen Twp)					design development	·	we can focus our efforts where there can be the most benefit to CAP goals.	
				Anen rwp)					u csign ucvelupment	participate and	we can rocks our errorts where there can be the most benefit to CAF goals.	
										i		

					2024 Phase 3 Waters	hed Implementa	tion Plan (W	IP) Planning and Progre	s Template – CUMBERLAND COUNTY	
				Green - action has	been completed or is moving fo	orward as planned	Yellow - action ha	as encountered minor obstacle	Red - action has not been taken or has encountered a serious barrier	
		Responsible Party(s) Geographic			Resources A				Reason for Change
Action # Description	Performance Target(s)	and Partnerships			-	Technical	Financial			to Action Item
1.2A Implement County Farmland Preservation Program 1.2B Implement County	Performance Target(s) Total preservation farm goal 30,000 acres by 2030 900 ac/year to reach commissioners' goal Hire a shared contract employee with NRCS (soil conservationist) to perform planning activities on preserved farms that comply with NRCS standards Pre-inspection form data improvements Review inspection results to identify farms that could utilize technical assistance on planning or BMPs. Direct those farmers to programs/partners, as needed.	CCPD, PDA, municipalities CCPD, NRCS, LFT, TeamAg	Location Ag land use area that fits farmland preservation criteria		Operator/landowner	Resources A Technical Overall program management Easement purchase Staff training	<u>Available</u>	Resources Needec Technical Fin Program \$2,250 management YEAR support (PRESI	JOB PER JOBA-1 The country secured \$2,938,785 for farmland preservation in 2024. Country commissioners certified a total of \$878,463 which includes general fund contribution of \$850,000, Clean and Green collback interest of \$26,738 and private donations which includes general fund contribution of \$850,000, Clean and Green collback interest of \$26,738 and private donations totaling \$1,725. The \$878,463 was used to leverage an additional \$2,060,322 in state funding. This funding will allow the country totaling \$1,725. The \$878,463 was used to leverage an additional \$2,060,322 in state funding. This funding will allow the country selection. In 2024, the Country also settled on its first joint easement with East Pensboro Township. Cumberland Country remains on target to preserve 30,000 stees by 2030. 2023 - The country secured \$3,964,968 for farmisind preservation in 2023. Country commissioners certified a total of \$1,516,361, which includes general fund contribution of \$580,000, Silver Spring Township in \$100,000,000,000,000,000,000,000,000,000	Reason for Change to Action Item 22- 2020 performance targets have been ieved. The next step is to continue working h preserved farmers through the stewardship ts to direct them to resources and assist with jects, where needed.
									advance BMP implementation. Funding for plan writing is also included. During the 2021 inspection process, conservation planning data was requested from all farmers. Numerous updated plans were received during the inspection cycle and logged into internal databases. As needed and/or requested, landowners were referred to the Conservation District for conservation planning and BMP assistance. The pre-inspection data form will be updated for the 2022 inspection cycle to enhance conservation data reporting.	

			2024 Phase 3 Waters	shed Implementat	ion Plan (WI	IP) Planning and	d Progress Template – CUMBERLAND COUNTY
			Green - action has been completed or is moving for	<u> </u>			or obstacles Red - action has not been taken or has encountered a serious barrier
Action # Description	Boufamous Towards)	Responsible Party(s) Geographic		Resources <u>A</u> Technical	<u>vailable</u> Financial	Resources Technical	Ces Needed Annual Progress to Date Reason for Change Financial (2021 to 2024) to Action Item
1.2C Farmland preservation program incentives enhancement	Increase scoring criteria for preserved farm candidates that implement WQ BMPs	and Partnerships Location CCPD, PDA, Countywide Agricultural Land Preservation Board,	Expected Timeline Challenges or	Guidelines update recommendation	N/A	Guideline updates	
	Include preserved farm plans and BMPs in PracticeKeeper> ~190 farms Explore prioritization of those farms on the preservation waiting list that need	LFT, TeamAg	on the implementation of BMPs on site (beyond baseline compliance), would	Priority recommendations,		Practice Keeper data input/management Legal support	\$60,000 per year feasible. Part of the difficulty is in evaluating the degree of conservation practice implementation between two farm owners. Some plans may include implementation measures beyond baseline compliance while others may not include these measures.
	BMPs and are willing to implement them if proceeds above and beyond land value are provided; include research on supplemental BMP funding sources with preservation priority.		simultaneously.	ranamy research			discussion of revision of ranking criteria overall since this is one component that may be considered. It is not likely that this revision would be made in the near term since it would require Board approval and would need to be an integral improvement to the program. Modifying prioritization of waiting list by conservation implementation is not feasible at this time due to the limited number of applicants on the waiting list and concerns about enforcement.
							2022 - Formal discussions have still not started due to other priorities; however, this remains in the plan because we see it as a way for multiple programs to leverage water quality and advance leadership on it.
							PracticeKeeper data input will be able to be completed by LFT/TeamAg upon release of the third party module (delayed). 2021 – Formal discussion with the County and State Board regarding changes to the farmland ranking system has not yet begun.
							Staff continues to research various options for consideration by the County and State Board. The NFWF INSR grant scope of work includes PracticeKeeper data entry for all ~190 preserved farms. This task will commence in 2022 when the scope is underway.
1.2D Implement Land	Implement Cumberland County Land	CCPC, Land Countywide	2023-2025 Recreation project focus	Program promotion,	\$4,000 (2021)	N/A	4000 2024- Implementation of the Land Partnerships grant program was largely put on hold for 2024 as the County underwent an 2022- Extended the timeframe for completion.
Partnerships Grant Program – scope = farmland preservation, water resource management, parks, trails	Partnerships Plan by preserving priority conservation areas, riparian buffers, ridgeline, steep slopes and other sensitive natural features. Promote landowner adoption of conservation	Partnerships Grant Review Committee, municipalities, watershed associations, non-	historically, water quality and land preservation promotion needs on the short-term				Update of the Land Partnerships Plan. The pause in the program provided an opportunity to re-evaluate local needs and priorities in order to best utilize limited grant funding. Two grants awards were made to address the following urgent/emerging community needs: 1) \$16,750 to the Appalachian Trail Conservancy for an update of 2005 Natural Area Inventory Report and 2) \$15,000 to the Cumberland Valley Rails to Trails Council to address a budget shortfall for the Dykeman Park extension. See if there's a way to pair up a block grant subaward program that results in WQ benefits that we're looking for under the performance targets along with a Land Partnerships grant that addresses recreational needs.
and greenways	practices. p	profit conservation organizations, CPC and other land trusts /environmental					TBD 2023 - Nine grant awards were announced, totaling \$267K across the county. Grant awards were as follows: Mechanicsburg Borough — Land acquisition for South Mountain Trolley Greenway - \$15,500 • Dickinson Township — Trail development/improvements, Lindenwood and Stuart Parks - \$40,000 • Hampden Township — Srouji Park Improvements, including a shelter and public restroom - \$40,000 • Letort Regional Authority — Invasive plant removal, native plantings, trail development for Letort Greenway, signage and brochures - \$24,107 • Penn Township — Community Park improvements, including pavilion and shaded picnic grove - \$40,000 • Silver Spring Township — Paul Walters Park improvements including pickleball courts, paved walking trails and benches - \$40,000 • Lemoyne Borough — Memorial Park improvements including basketball court rehab,
		iu – 20 ac pei yeai					installation of gaga pit and signage upgrade - \$29,000 • Lower Frankford Township — Opossum Lake improvements including, installation of additional playground equipment - \$18,000 • Upper Allen Township — Winding Hill Park North improvements including lighting for parking area and basketball courts - \$20,000. • County Commissioners awarded \$955,500 in Recovery Grant Funding to the Central Pennsylvania Conservancy to acquire and permanently protect 916 acres on South Mountain. This land will provide permanent protection of vital ecosystem services including watershed protection, climate-resilience, forest protection, and increasing the acreage of existing core conservation areas, including the Diakon Wilderness Center, State Game Lands #305, and one mile of shared border with National Park Service's "White Rocks" area
							2022 - three grants were awarded: Letort Nature Trail Extension \$14,500 and Spring Garden Trailhead Parking \$9,000 (both to South Mountain Partnership) and Parker Spring Invasive Control \$3,000 (North Middleton Township)
1.2E Implement the	Municipal adoption (2021)	Municipalities, County Countywide –	Ongoing Timely adoption by	Plan implementation	TBD	TBD	2021 – The funding awarded in 2020 and implemented in 2021 primarily supported recreational support for municipalities, though a project by the Central Pennsylvania Conservancy does include improvements to the Letort Garden Nature Preserve TBD 2024 - The Cumberland County Planning Department with assistance from the department of public safety and the GIS 2022- Added the mitigation project list
Cumberland County		and local emergency services, PEMA, FEMA	municipalities, funding for large scale projects of meaningful result with small storm water quality benefit	team			department began to update the Cumberland County Hazard Mitigation Plan in 2024. PEMA and FEMA require a 5-year update to the plan to be eligible for pre-disaster funding. The project team is obtaining municipal feedback through meeting attendance, online surveys, project forms and email correspondence. The anticipated date of completion is December of 2025. 2023 - All municipalities have adopted Floodplain Ordinances that meet or exceed the minimum FEMA requirements inclusive of
	that could have water quality co- benefits and devise a strategy to advance those opportunities (2023- 2025)	ect list for those quality co- trategy to					Flood Rate Insurance Maps as required by FEMA to be eligible for Federal funding and NFIP insurance. An annual meeting was held with municipalities on July 25, 2023 to discuss updates to the planning process and learn about the hazard of sinkholes. Cumberland County is participating in the community Climate Resiliency planning effort with Dickinson College and the Borough of Carlisle. This will include an update to the Climate Vulnerability Assessment that was conducted in 2021.
							2022 - All municipalities have adopted the 2020 Cumberland County Hazard Mitigation Plan. FEMA is currently in the process of creating new floodplain maps for Cumberland County, which municipalities will need to adopt to be eligible for Federal funding and NFIP insurance. An informational workshop was provided on August 2nd to inform municipalities about grant opportunities to implement projects to mitigate hazards.
							2021 – The 2020 Hazard Mitigation Plan proposes implementable mitigation actions for the hazards facing the residents of Cumberland County. The update was approved by PEMA and sent to FEMA for final plan approval on December 16, 2020. HMP has been adopted by all municipalities. The FEMA floodplain map update is under review; once FEMA issues letter of final

				Green - action has b	peen completed or is moving for	rward as planned Y	'ellow - action h	as encountered minor of	obstacles Red -	action has not been taken or has encountered a serious barrier	
		Responsible Party(s)	Geographic		Potential Implementation	Resources A	<u> vailable</u>	Resources	Needed	Annual Progress to Date	Reason for Change
tion # Description	Performance Target(s)	and Partnerships	Location	Expected Timeline	Challenges or	Technical	Financial	Technical	Financial	(2021 to 2024)	to Action Item
L.2F Implement the Cumberland County Loca Climate Action Plan	Public participation – plan development	•	Countywide	Ongoing			TBD	TBD	TBD	2024 - Cumberland County adopted a resolution to enable C-PACE, the Commercial Property Assessed Clean Energy program, a financing structure where building owners can borrow money from selected capital providers for water conservation, energy efficiency and renewable energy projects and make repayments via an assessment on their property tax bill. The county also moved forward to purchase the charging stations and 8 electric vehicles and is working with the shared energy manager to release an RFP to receive proposals for implementation of a solar array on county property to provide energy for county facilities within a 2-mile radius. 2023 - Implementation of the Cumberland County Climate Action Plan continues with a grant award to install two charging stations and convert a pilot group of 8 county fleet vehicles to electric. The county is working with DEP and local municipalities to apply for further work of a shared energy manager for municipal fleet electrification and energy efficiency improvements. 2022 - The plan is complete and in one of the surveys, over 70% of responses indicated that "improved air quality" or "improved water quality" as a strong motivator. Climate reduction opportunities were identified with respect to transportation infrastructure stormwater BMPs and native landscaping standards implementation. The Climate Action Plan was adopted in January 2022 and work commenced with a Shared Energy Manager, Wilson Engineering Services. Wilson facilitated meetings with warehouse developers and solar industry representatives to discuss siting considerations for roof mounted solar arrays in new commercial and industrial development planning and retrofits of existing sites. DEP has been a partner in these discussions and plans to share findings with municipalities and facilitate broader adoption of land use policies to promote alternative energy development in developed sites is underway. Green infrastructure guide will be in development Q4 2022 – Q1 2023. A model ordinance for solar development is b	status.
2G Implement Return on Environment (ROE) Reports	Utilize data as part of clean water-communications Help Penn Township carry out-recommendations and landowner-outreach training Identify priority areas for-	Township, South	Countywide- and Penn- Township	2021	Implementation partner need	Overall planning- guidance	N/A	Distill data down to- layperson language Boilerplate BMP- design and ordinance amendment	as landowners have interest	2021 – The plan development team is continuing with the development of the Climate Action Plan, including stakeholder engagement, and is 2022 - The local municipal champion for the implementation of the plan passed away and it has not been taken up by a new champion, to date. 2021 – Penn Township had a Return on Environment report created and an implementation plan prepared under a grant. Implementation methods preferred by the municipality include voluntary stormwater management and conservation measures that homeowners can take as opposed to ordinance changes to require preservation standards. Staff involved with the county WIP team supported development of this plan. Communication of the results of the plan could be moved forward by the Township and the County is ready to support their efforts.	2022- We will add this back to the plan should a local champion indicate that they're ready to implement the plan.
Countywide Water Qualit Credit Offset Pilot	implementation and assess municipal. Demonstrate measurable success of a pilot project area where MS4s and non-MS4s can collaborate on sediment and nutrient goals		watershed	2023-2025	DEP acceptance of approach	Engineering/ MS4 permit requirement coordination Project opportunity ideas	N/A	For implementation, if the pilot works, 1 FT MS4 Coordinator, 1 PT ag Coordinator Project design and construction		2024- CCPD was contacted by the University of Pennsylvania Water Center to discuss potential coordination and funding of the feasibility of regional program for rapid delisting and technical assistance for watershed improvement. The Regional MS4 work group was contacted to determine interest and participation. Preliminary meetings will occur in Autumn of 2024 with potential progress in 2025. 2023 - Monroe Township continues to be a likely location for this pilot but the County is waiting on the Township to initiate the discussion with prospective landowners should the Township need an alternative to address their MS4 credit needs. 2022 - An analysis was provided to Monroe Township for their consideration. We will extend the timeframe on this initiative. 2021 - Planning staff and HRG had a discussion with the Monroe Township engineer to brainstorm pilot project areas that would be potential candidates for a more cost effective and local water quality beneficial approach to implementing their MS4 Pollutant Reduction Plan (PRP). Candidate locations have been identified and HRG is on track to complete preliminary calculations as a first step toward a pilot project where BMP(s) would be placed on an agriculture property outside the Urbanized Area for PRP implementation credit. Upon confirmation that there is benefit (cost reduction compared to an urban BMP and comparable sediment reduction credit to the urban BMP) and future DEP acceptance of the proposal, Monroe Township would pursue a conversation with the landowner to see if next steps of the project can proceed.	
Countywide Stream Restoration Bundling Pilo	Bundle stream restoration design and construction activities to more cost effectively meet MS4 requirements	5 1	MS4 watershed HUC12 scale	2022-2025	approach, technical capacity	Review PRPs for logical bundling packages	N/A	Engineering/construction	Assume \$2,000,000 project budget scale	2024- See Action #1.3A above. 2023 - Since the PRP deadline stands, this concept is on hold. 2022 - Conversations have not been prompted with the MS4 workgroup to date. If the MS4 permit is extended and municipalities have more time to complete their PRPs, the opportunity will be offered. 2021 – This initiative is slated to start in 2022.	

				_	been completed or is moving f					action has not been taken or has encountered a serious barrier	
Action # Description	Performance Target(s)	Responsible Party(s) and Partnerships	Geographic Location	Expected Timeline	Potential Implementation Challenges or	Resources Technical	<u>Available</u> Financial	Resources Technical	Needed Financial	Annual Progress to Date (2021 to 2024)	Reason for Change to Action Item
1.4 Water Quality Communication Plan	Develop messages and audience; execute plan and distribute messaging through staff	County Communications Department, Penn State Extension Master Watershed Steward Coordinator, CCPD	Countywide	2020-2025	Staff bandwidth, consistency (type and frequency of messages)	Communications Plan Assistance Developed by county staff with input from internal planning team	\$5,000 (tabling Materials, brochures) - NFWF INSR Grant	/A		2024- The county and its partners have worked together for outreach events to promote water quality. The Conodoguinet Creek Watershed held its 4th Annual Bioblitz for high school students teaching them riparian buffer maintenance, fish identification, and water quality analysis. The WIP Viewer Tool is being finalized by the end of 2024 to provide the District, watershed organizations, and other partners with a map to assist with finding project opportunities. The Clean Water Grant Program provided additional outreach to all county partners who are looking for funding for shovel ready projects that would improve water quality. This grant program received 5 applications for consideration for the 2025 Block Grant. County planning staff and HRG are working on developing a Dashboard for the Clean Water Cumberland website to highlight water quality improvements and feature projects. The Buffer Action Team is working on outreach to the public through a fall/winter webinar and the creation of the Tree Stewardship Program. 2023 - Communication materials continue to be developed and circulated as needed. Meetings with stakeholder groups also occur frequently, and the county is working to implement a county dashboard with GIS that will show past, present, and future projects. 2022 - Communication materials including educational flyers and testimonial videos continue to be developed as needed by the Communications Department. 2021 - County Planning staff, Communications staff, and HRG have met nearly monthly to discuss the communications needs for CAP implementation. Communications staff developed a communications plan and the team finalized social media, website, and print materials for various programs that support CAP goals. The NFWF INSR grant award includes budget for the tabling materials and brochures previously indicated as a resource need.	Watershed Steward Coordinator a Responsible Party(s) and Partnersh for the Master Watershed Steward include representing Clean Water a communications capacity at area creating and sharing social media participation, and writing newslett about clean water practices. The firesources identified in column I are being allocated towards printing or giveaways, but were repurposed to staff position.
Inspection/ Plan Data Gathering	Collect data regarding existing farm plans and implementation progress 50 farms per year> 200 farms through 2025	CCCD	Ag land use area	2021-2025	Farmer knowledge of the location and contents of thei plan, obtaining copies of existing plans to determine if they are up to date		\$200,000 N	/A		2024- With the increase of other funding and programs, we have decreased our bay inspections to 75 per fiscal year which is 1.5 FTE (full time equivalent). We have completed the 75 inspections for the 2023-2024 reporting year. We are on track for the 2024-2025 reporting year. 2023 - With the addition of a new Bay Tech in 2022, 101 Bay inspections were completed for the 2022-2023 reporting year. 2022 - We have added another Bay tech and increased our inspections from 50 to 100 per year. 2021 - The Chesapeake Bay Agricultural Inspection Program is on schedule for 2021 and plan information is being entered into PracticeKeeper as part of the program workflow.	
1.5B Other Plan Data Gathering	Collect data regarding existing farm	CCCD, LFT, Ag	Ag land use	2021-2025	Farmer knowledge of the	50 farm visits per	N/A E	kisting plan data		There are inequalities across the Bay counties in terms of the inspections occurring in places like Cumberland as opposed to DEP's inspections in counties that don't participate in the Chesapeake Bay Ag Inspection Program. Transitioning from working with the farmer to being the regulatory agency is a significant challenge, especially when other counties haven't had any Phase 1 inspections. 2024- 343 BMP instances were entered into PracticeKeeper in 2024 as part of the Lancaster Farmland Trust outreach of the	
	plans and implementation progress ~45 farms per year> 170 farms through 2025	Consultants, NRCS	area		location and contents of thei plan, obtaining copies of existing plans to determine if they are up to date	r year			financial assistance after 2021	NFWF INSR grant. 46 Conservation and Ag E&S Plans were entered into PracticeKeeper as part of the grant outreach work. 2023 - Through the process of Bay Inspections and Lancaster Farmland Trust outreach as part of a NFWF INSR grant, 40 Conservations plans have been verified and entered into PracticeKeeper. Sixty BMP instances have also been entered as a part of those plans as implemented. Additional plans may be discovered as part of a NFWF Small Watersheds Grant through Capital RC&D that will begin outreach in fall 2023. 2022 - We are getting plans from inspections and BMP verification. we will be doing 100 inspections per year and will try to get as many BMPs verified and entered into PracticeKeeper as time permits. 2021 - Conservation District staff are continuing to review operations so that plan gathering is inherent to communication with	F
										landowners (i.e., PSNT field work and CEG program interest).	
riority Initiative 2: Achieve N				0000		<u> </u>			40.00		
(quantity and location) for select BMPs, expanding on general recommendations provided in QAPP BMPs = forest buffers, urban forest buffers, grass buffers, urban grass buffers, wet ponds and	Expand use of existing buffer layer with urban hydrology layer R&D into distinguishing ag, pasture, and turf covers from grassed buffers Manual digitizing where leaf-off <1 ft resolution imagery is available to capture ag BMPs that are visible Back check with staff field views where required Add data to Practice Keeper or another batch upload option (FieldDoc)	Stakeholder peer review - PSU, USGS, Farm Bureau, PDA, LFT, EPA	County	2022 - select cataloguing 2023 - continued remote sensing data set development, field verifications	the burden off of counties,	methodology outling BMP field backchec	p re		– assume similar annual budget while R&D continues on expanded BMP list	2024 - 10 BMP instances were entered into PracticeKeeper during Capital RC&D BMP verification efforts. The practices are built to NRCS standards. 2023 - Through the Chesapeake Conservancy remote sensing analysis, 26 manure storage units were verified with 48 BMP's in total (Grassed waterways, Riparian buffers, barnyard controls). BMP verification is integrated into the workload of District staff, and additional funding is available through a NFWF SWG in collaboration with Capital RC&D. That grant outreach will begin early this fall. 2022 - In December of 2021, Cumberland County was awarded \$30,000 to conduct BMP Verification. Cumberland County elected to use some of the money on the remote sensing analysis focusing on six priority BMPs including: Barnyard Runoff Controls, Animal Waste Management Systems, Forest Buffers, Grassed Waterways, Streambank Exclusion Fencing and wet ponds/detention basins. Remote sensing data analysis performed by the Chesapeake Conservancy is being finalized in August of 2022 and results are provided in an online ArcGIS Portal. Qualified staff will begin field verification efforts to verify the remotely identified practices. A BMP Verification Quick Guide is being developed by HRG to assist with field verification efforts. 2021 – Funding for the initial BMP cataloguing project has not been obtained. HRG and Chesapeake Conservancy are working on a white paper that outlines the need for more remote sensing work to be done, specifically, by taking next steps with the NRCS PA BMP Remote Sensing Pilot Project (Potomac River Basin) process and findings. By taking this step, the initiative is behind	schedule and activities

			2024 Phase 3 Water	rshed Implementa	tion Plan (W	(IP) Planning and F	Progress Tem	plate – CUMBERLAND COUNTY	
			<u>Green</u> - action has been completed or is moving			1		action has not been taken or has encountered a serious barrier	
Action # Description	Performance Target(s)	Responsible Party(s) Geographic and Partnerships Location	Expected Timeline Challenges or	Resources <u>a</u> Technical	Available Financial	Resources Technical	Needed Financial	Annual Progress to Date (2021 to 2024)	Reason for Change to Action Item
2.18 Identify future ag/urban project opportunities us automated means	BMP opportunity analysis — ag- conservation, land retirement, alternative crop, forest conservation, stream restoration Back check with staff field views Batch upload to FieldDoc to calculate- credit opportunity	Lead Chesapeake Conservancy County Stakeholder peer-review PSU, USGS, Farm Bureau, PDA, MS4s	2023 — cataloguing 2024 — batch upload processing and field views 2025 — implementation focus	Precision Conservation Tools Batch upload processing BMP field backcheck	N/A	Further GIS and data processing/method-refinement	- \$44,000 (2021)	2024- No progress to date. 2023 - No progress to date. This is a relevant topic that requires additional technical assistance funding similar to the BMP Verification funding that was appended to the Coordinator grant in 2022. 2022 - No progress to date. 2021 - See 2.1A for progress as this initiative is a companion initiative.	2024- Due to no progress to date and counties priorities elsewhere, we would like to remove it from the CAP. 2022- Updated the expected timeline. This is a relevant topic that requires additional technical assistance funding similar to the BMP Verification funding that was appended to the Coordinator grant in 2022.
2.1C Improve continuous data collection on urban non-structural practices	Add development-related BMPs to- CAST/FieldDoc so that as land use data sets are updated, there are accompanying BMPs	NonMS4s/MS4/muni- engineers, MS4- Workgroup, Conservation District, Southampton Township?	Coordination/training for- municipal staff, FieldDoc- batch opportunity, non-MS4 engagement, difficulty- obtaining past information- (MS4s typically have- databases from 2003- present)	Reporting platform 4	N/A	Training Municipal data input	administrative cost per municipality pe year and 7 developing municipalities à	2024 - No progress to date 2023 - No progress to date 2022 - Phase 1 of the BMP verification remote sensing analysis includes analyzing Cumberland County for Wet Ponds and Detention Basins. These BMPs will need field verified. Additionally, PA DEP has updated FieldDoc to allow for additional reporting of urban practices. 2021 - The CAP team discussed the existing Act 167 Plans and resulting model ordinances with key local stakeholders, and the need for urban BMP reporting was also discussed. Since the County records plans that are as-builts, it is possible to go back through the plans and capture BMPs for reporting in FieldDoc. Going back to 2010 is an option since that's when operation and maintenance agreements started to be required.	2024- Due to no progress to date and counties priorities elsewhere, we would like to remove it from the CAP. 2022- Still a relevant action; extended the expected timeline.
2.1D Implement a- documentation program for commercial and homeowner nutrient- applications in develope lands	Support fertilizer legislation — where legislation requires reporting, be the data clearinghouse	Cumberland County — Countywide TBD, Center for Water Quality Excellence	Education of responsible parties, receiving timely information, training on reporting system	TBD	TBD	TBD	TBD	2022 - On July 11, Governor Wolf signed SB 251, a bipartisan bill sponsored by Senator Gene Yaw (R) and Senator Carolyn Comitta (D), into law. Pennsylvania now has a law governing turfgrass fertilizer application dates, practices, rates, and type of fertilizer used. We are uncertain on how documentation and crediting will occur with the new bill. 2021 - This initiative is being pursued by legislators. HRG has coordinated with the Chesapeake Bay Commission staff on the topic and receives periodic updates.	2022- Counties are not identified in the legislation as a lead on this initiative.
2.2A Additional Technical Assistance to Serve Farm Operators	Hire 1 new in-house engineer/planner	CCCD, NRCS Cumberland County	Funding, expertise in labor pool, limited compliance activities by DEP, lack of funding for staff to assist the ag community in a pro-activ way	-	\$200,000 per year	1 engineer, 1 planner, 2 technicians	\$350,000 per year	2024- The contracted engineer hired in 2022 designs the majority of the projects in the county. The district engineer completes one or two designs per year. There is one district employee that dedicates time to CEG and ACAP projects full-time. 2023 - The contracted ag engineer hired in 2022 continues to perform the majority of the projects in the county. CCCD staff has also been reassigned in a way that allows one employee to focus on CEG and ACAP projects. 2022 - CCCD hired a third party ag engineer to provide technical assistance for CEG- and CAP-funded projects. Additional capacity, in-house or contracted, is needed to scale up implementation efforts. 2021 - Funding and operational capacity does not exist for additional in-house County staff. The County is pursuing another technician for the Chesapeake Bay Agricultural Inspection Program, funded by PADEP, but they will not have capacity or skill set to fulfill this technical assistance need. HRG has drafted a white paper that outlines this challenge and a potential solution to develop more agricultural work force on the short- and long-term. Most support provided to landowners occurs because the Conservation District staff approached them. Conservation District staff also rely on NRCS to provide networking opportunities for those that apply for EQIP who don't meet the criteria or when the annual budget is exhausted.	
2.2B Additional Technical Assistance to Serve Farm Operators	RFP an on-call contractor to assist with plan and BMP implementation backlog (design, construction)	CCCD, consultants Mount Rock Spring Creek Watershed	Funding, expertise in labor pool, Limited compliance activities by DEP. Lack of funding for staff to assist the ag community in a pro-activ way. Schedule lag between interested landowner, connection with consultant to do the work, consultant delivering the plan, follow u with CCCD staff who can assist with plan implementation, design/permitting, construction during schedul that works for landowner	e re	N/A	1 engineer, 1 planner, 2 technicians	Assume 10 project opportunities in watershed – budget \$1.8 million	2024- The Foundation for Pennsylvania Watersheds finalized their Growing Greener grant agreement and set up contracts with HRG, Lancaster Farmland Trust, and Clearwater Conservancy for outreach and technical assistance. Work orders for ag I&Es, permits, and full designs are underway for the regional service area. 2023- Foundations for Pennsylvania Watersheds was awarded a Growing Greener grant in early 2023 to assist farmers with design, planning, and permitting related to ag BMPs. That funding, along with ACAP funding, will be used to enhance the private TSP capacity to assist farmers with BMP needs. 2022 - Funding doesn't exist currently for this arrangement for Cumberland County. A multi-county Growing Greener grant was submitted by the Foundation for Pennsylvania Watersheds in spring 2022. 2021 – The current on-call consultant to support the CEG program is serving the TSP engineering need. Staff, NRCS, and the private sector continue to serve landowners, as the landowner chooses. A significant barrier to success includes the need for not Conservation District staff to be authorized users of PracticeKeeper. This critical authorization will scale up efforts for BMP reporting to support CAP goals.	

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				_	peen completed or is moving for	<u> </u>				- action has not been taken or has encountered a serious barrier	
	Performance Target(s)	Responsible Party(s) and Partnerships			Potential Implementation	Resources A	<u>Available</u> Financial	Resources Technical	Needed Financial	Annual Progress to Date	Reason for Change to Action Item
2.3 Additional nutrient management (NM) and agriculture erosion and sediment (E&S) plan development	560 new/updated plans developed and added to Practice Keeper (ag pres. program, Bay Technician progress, other outreach) Soil and Conservation Plans - 58,000 acres Core N - 49,800 acres Core P - 15,200 26,000 acres N Placement - 17,000 acres N Rate - 43,300 acres N Timing - 17,800 acres P Placement - 17,000 acres P Rate - 17,000 acres P Timing - 17,000 acres	•		2021-2022 2023-2025	Challenges or Landowner interest, funding			Plan updates after reimbursement program expires	r N/A	(2021 to 2024) 2024- CCCD completed 1 Ag E&S Plan, 1 Manure Management Plan, & 1 NMP 590 plan. 231 Conservation and Ag E&S plans entered by Lancaster Farmland Trust. 2023 - CCCD has encouraged farmers to participate in the PACD Plan Reimbursement Program with positive responses. CCCD Staff continues to encourage all farmers to have plans written or updated and has developed a list of qualified plan writers serving the county. 2022 - If the program is determined to not be administratively burdensome, CCCD will use the PACD Plan Reimbursement Program to connect farmers with the technical and financial resources needed to get plans written/updated. Otherwise, goals are expected to be met through Bay visits, partner projects, BMP verification, and projects funded through CAP/CEG/ ACAP. 2021 - County land preservation staff have started utilizing the annual inspections to ask about the status of their plans (current accuracy and implementation).	2024- Based on reviewing BMP entry form, we recognized that a few goals were captured incorrectly. We increased the Core Phosphore goal due to most recent CAST projections.
2.4 Public/private Farm BMP sponsorship program	Utilize REAP program to leverage-funding, sponsor farmers who perform-BMPs and pay them cash from tax-rebates that corporation receives from-funding the program	CAEDC, Giant-Foods/Ahold, LFT, SCC, The Nature-Conservancy, Chesapeake Bay-Foundation, PennAg, Capital RC&D	Cumberland-County	2024-2025	Corporate interest	Initial coordination	N/A	N/A	N/A	2024 - No progress has been made. 2023 - No progress made. 2022 - No progress. The list of potential funding partners was completed and is now static. As our group analyzes the new funding programs coming from State and Federal sources, we'll revisit this list for match/partner opportunities. 2021 - No progress made.	2024- Due to no progress to date and countied priorities elsewhere, we would like to remove from the CAP. 2022- Extended the timeline to account for number BIL funding being distributed through State and Federal programs through 2026.
2.5 Low and no-till cover crop and tillage BMPs	Increase existing County program by 40% by leveraging existing County cost share program, transect survey, more detailed questionnaire information regarding BMP implementation versus cost share coverage Continue fundraising so that program can continue to expand Conservation Tillage - 12,800 17,900 ac High Residue Tillage - 60,400 ac Low Residue Tillage - 13,000 ac Traditional Cover Crops - 36,900 ac Traditional Cover Crops with Fall Nutrients - 4,000 ac Commodity Cover Crops - 750 ac	RC&D	Ag lands in County	2023-2025	Landowner interest, BMP verification (annual) and paperwork	Means/methods assistance Transect Survey	\$54,600 \$27,300	N/A	\$27,300 every other year	2024 - During the 2023-2024 cover crop District program 9,615 acres were enrolled with 4284 acres incentivized. 2023 - 9164 acres implemented for the cover crop program with CEG cover crop included. 4231 acres of that were incentivized. 2022 - 7500 acres were incentivized this winter, the highest annual total yet, supporting 65 farm operations. Multiple funding sources were used, which have now been spent. Cumberland anticipates utilizing the block grant for cover crop incentives in future years. 2021 - Cover crop incentive signups increased from 400 acres in the 2018-2019 growing season to an average of 1400 acres in the 2019-2020 and 2020-2021 seasons. Additional outreach has increased participation (Farm Bureau newsletter articles, word of mouth, post card mailer, Bay inspection visits). The Bay Technician signed up every acre that the farmer planted, not just the acres that were cost shared.	2024- We increased the Conservation Tillage due to most recent CAST projections. 2022- Added the fundraising performance tal and expanded the timeline
2.6 4R Practice Education and Implementation	Transition manure management plans to nutrient management plans and incentivize implementation Increase existing 4R practice (N rate and timing) adoption by 6,000 acres	RC&D, CBF	Priority HUC	2021-2022	Landowner interest, BMP-verification (annual)	Educational support	\$45,000-	Cost share recommendations/c quipment/software	\$ 50,000	2022 - No progress made. 2021 – 4R Alliance staff turnover has reduced communication with the County team. Outreach restrictions due to COVID have also made having workshops to garner landowner interest more challenging. We look to 2022 with respect to progress on this initiative.	2022- Since the Conservation District has dout their Bay Inspection staff capacity and utilizes that to assist farmers with conservation need and recognition of existing practices, we're removing this initiative from the plan. Techn capacity to promote and implement 4R pract continues to be an industry challenge but ma of the goals can be met through traditional means. See goals in Initiative 2.3.

				Green - action has b	peen completed or is moving fo	rward as planned	Yellow - action ha	is encountered minor	r obstacles <u>Red</u> -	- action has not been taken or has encountered a serious barrier	
		Responsible Party(s)	Geographic		Potential Implementation	Resources	<u>Available</u>	Resource	es <u>Needed</u>	Annual Progress to Date	Reason for Change
tion # Description	Performance Target(s)	and Partnerships	Location	Expected Timeline	Challenges or	Technical	Financial	Technical	Financial	(2021 to 2024)	to Action Item
2.7 Conservation	Promote new program and enable	Alliance for the Bay,	Urban/suburb	Ongoing	Landowner education and	Planting plan	\$50,000 for	N/A	· ·	2024- PSU extension Master Watershed Steward Program has identified a potential Conservation Landscaping project at a local 202	
Landscape/Turf to	<u> </u>	CCPC, DCNR, Western	· ·		acceptance	assistance	lawn		(forest), \$3,700	Synagogue in Cumberland County. Future meetings will be held to hash out a conceptual design for approval and funding sources imp	plementation rather than lead the pro
Meadow	participation (20 acres of conversion	PA Conservancy, CBF,	in Cumberland				conversion		per acre	will be applied for. The Clean Water Grant Program (2025 Block Grant Subaward) has a 0.4 acre turf to meadow conversion	
Conversion/Watershed		Pheasants Forever,	County				(forest or			project for 2025.	
Forestry Initiative	190 acres occur in Cumberland through	Audubon, Master					meadow)		Conversion PLU		
		Watershed Stewards,							Program	2023 - One project was completed that included 2 acres of landscape conversion with no-mow lawn seed and 725 trees and	
	based on 2022-2025 grant award	Lower Allen								shrubs. The county has additional landscape conversion project targets that may be prioritized now for CAP funding since ACAP is	
	announcements	Township, South							\$300,000	a large funding source for ag projects. DCNR partnership continues to discuss project targets and funding opportunities.	
		Middleton Township							(budget for all		
	Address weed ordinance changes in								forest)	2022 - A project is on target for completion this spring that can serve as a demonstration project. Otherwise, the Lawn	
	target municipalities so that									Conversion committee continues to meet and make progress on advancing many initiatives. Multiple funding applications were	
	conservation landscape can be adopted									submitted by partners to Growing Greener and NFWF this spring that will help advance training, project development, and	
	by landowners (Lawn Conversion									implementation goals.	
	Committee)										
										2021 – Cumberland County is working with the DCNR Lawn Conversion program to act on leads that they receive that they	
										cannot fund due to DCNR's limited funding for conservation landscaping. Project leads are moving through the vetting process	
										with a goal to implement a project in the Spring 2022.	

T		T	Responsible Party(s)) Geographic		s been completed or is moving for Potential Implementation	<u> </u>		Resources		action has not been taken or has encountered a serious barrier Annual Progress to Date	Reason for Change
#	•	Performance Target(s)	and Partnerships	Location	Expected Timeline	ne Challenges or	Technical	Financial	Technical	Financial	(2021 to 2024)	to Action Item
	Riparian buffer and re- forestation BMPs	Partner with Chesapeake Bay Foundation to plant 100,000 trees (portion of 500,000 trees that will be RFPed for growers) 17 acres - 2 farms per year – forest	CBF, CCCD, Alliance for the Bay, CCWA, YBWA, Mountain Creek Trout Club & Conservation Society, Cumberland Valley	County	landowners 2023-2025 –	Landowner partnerships, landowner education, volunteer acceptance of grass buffer plantings, grass buffer maintenance guide for farmers, routine site visits to	-	CREP	Parcel-specific BMP recommendation and contact info Implementation – design, equipment,	nd	2024- During the spring tree sale, CCCD handed out over 7,600 trees. These trees were tracked with plans to report them into FieldDoc after fall tree sales. MWS and HRG met to discuss potential live stake nursery locations in the county. These nurseries will supply to county with live stakes for buffers. In 2025, MWS is expecting to implement two live stake nurseries along streams to be multi functional. 2023 - With CBF's INSR funding, four buffers will be implemented in the fall of 2023.	
		buffers with fenced pasture 43 acres - 3 farms per year – grass buffer with fenced pasture 50 riparian forest acres – CREP CLEAR 30 renewal, CBF, Alliance for the Bay	Trout Unlimited, LFT, Pheasants Forever			confirm buffers are thriving, invasive species removal during establishment	Buffer my Stream/Prime Prospects data set Landowner outreach, buffer		materials		2022 - Chesapeake Bay Foundation was awarded an NFWF INSR grant including funding for riparian buffers (non-agricultural) and for building the workforce for implementation of riparian buffers. The Foundation also has funding for buffer bonus dollars where they pick up the NRCS cost share and the cost for installation of a buffer. Phase 1 of BMP verification will identify potential hits for grassed waterways and forest buffers implemented in the past 10 years. These potential BMPs will need field verified but provide a great opportunity to identify BMPs not currently reported.	1
		support/lead 42 acres – grass buffers					design, planting plan, 10 Million Trees tree supplies				2021 – This initiative is slated to start in 2022, though community tree plantings occurred this year (CCWA did plant trees this spring at the Vincent DiFilippo Nature Preserve and Willow Mill Park. VDNP planted 3 acres with 720 trees and shrubs through CBF. Willow Mill project planted 265 trees. YBWA also had a tree planting in South Middleton Township.)	
		155 acres – urban forest buffer (19 stream miles) – 5 miles per year (22 acres in PRPs)					Landowner outreach/education					
		250 acres – urban forest planting – target one large landowner in urbanized area					planting					
i	Wetland restoration implementation on marginal production ag	48 acres implemented by 2025, currently programmed and likely no more because of the lead time needed	t b	Cumberland County	2025	interest, it takes years to get NRCS funding → would need	construction	TBD	N/A		2024- No progress to date, however, there are plans in 2025 to connect the District's new Watershed Specialist with potential project leads to advance this action item in 2025 and beyond.	
	land	to get the projects planned and funded				to identify an alternative funding source; bog turtle habitat co-benefit may assist					2023 - The 20 acres of restoration that began in 2022 has been completed. 2022 - Project goals are on track by the lead implementer. Restoration began on 20 acres.	
						us with funding opportunities/technical assistance					2021 – NRCS completed the restoration of 14 acres of wetlands on agricultural land this year and have protected through a permanent easement another 20 acres of adjacent forestland that includes wetlands. The remaining restoration amount listed will be completed next year on another farm. NRCS covers all restoration costs as part of their program.	
	Non-urban stream restoration	4,000 feet restored with floodplain restoration scope that includes water quality credits associated with Stream Restoration Expert Panel – Protocol 3	Club & Conservation	Spring Creek Watershed	·	year increments	Habitat structures	N/A	Design, permit, construction services	es - \$1.8 M for total project delivery, not O&M	F 2024- Mountain Creek Trout Club has applied for the Clean Water Grant program for 640' of streambank stabilization and stream habitat improvements on Mountain Creek off of Lakeside Drive in Mt. Holly Springs. The county also plans to sponsor Hogestown Run for the Clean Water Grant Program to stabilize 1,800' of streambank and stream habitat improvements. Other stream restoration projects are being designed and permitted with plans of implementation in 2026. 2023 - Two stream restoration projects (Barnitz Church, Woodcreek Development) totaling over 1,600 linear feet were completed with block grant funding. An additional project in Silver Spring Twp. utilizing stormwater fees and other non-CAP sources (Breneman-Birx) is expected to be completed this fall. Several projects still exist for 2024 construction and restoration. 2022 - Project prospects: Mountain Creek (working with CCCD, PA F&BC, early estimate \$2M) and Letort (working with CCCD, LRA, CPC; no estimate yet). Projects completed: Wittlinger Preserve in Boiling Springs, Allenberry, Yellow Breeches at Barnitz	
											Church, Letort Falls. 2021 – Project updates provided for 2021 Construction: CVTU – Wittlinger Nature Preserve Project starting on August 9 (upstream from lake at Boiling Springs) Phase 3 & Phase 4. DCNR - King's Gap State Park – Irishtown Gap project working with PA Council of Trout Unlimited, phases 3 & 4. CCCD/USFWS—Allenberry—unsure of contracting status at DEP. Depends on contracting if part of this project will happen this year. Several messages have been left and no response as of today. Mountain Creek Trout Club and Conservation Society—unsure if PAFBC is constructing this year or next year. 500-1,000 ft—unsure of final plans.	
											2021 Funding applied for: CCCD/PAFBC—3 sites identified and included with PA FBC Habitat Expansion GG Grant, totaling 1440 feet of stream; CVTU/PAFBC—1 site—confluence of Letort/Conodoguinet, LF to be determined	
	Operation and Maintenance Performance	Pair up MWS volunteers w/ new buffer e to incentivize landowner acceptance Utilize new Riparian Rangers group	•	County	2023-2025	Volunteer training, liability, materials/equipment funding	_	N/A	N/A		 2024 - The Riparian Rangers held a training in the summer at Vincent DiFilippo Nature Preserve. The Rangers tended to 10 sites with 32 total volunteers trained in the Cumberland County program. 2023 - The Riparian Rangers tend to 9 sites in the county with 10-12 active members. A second RR training is planned for early 	2022- Added a performance target since a new group has formed along with MWS and extended the timeframe for completion
											2024. 2022 - A new Riparian Rangers group has formed and will be used to tackle O&M for existing and future riparian buffers.	
											2021 – The CAP Team worked with MWS volunteers on prospecting for new BMP areas, MWS volunteers worked together on buffer/tree planting maintenance, and the MWS coordinator shares project leads with MWS volunteers to advance.	

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		Responsible Party(s			ential Implementation	Resources		Resources		Annual Progress to Date	Reason for Change
Action # Description	Performance Target(s) 40-200 acres per year – new and newly	and Partnerships	Location	Expected Timeline 2025 Not w	Challenges or	Technical	Financial	Technical	Financial	(2021 to 2024) 2024- The three fencing projects identified in 2023 were completed in Fall of 2024. These projects totaled in 77 acres of	to Action Item
2.9 Implement more prescribed grazing measures	reported (160 acres total)	CCCD	Cumberland County – landowners who raise horses, dairy, beef	existir Capita	videly adopted today, ng funding through al RC&D that can be to kickstart efforts	Landowner education	Crop to grazing conversion funding	N/A	each) - \$20,000 total planning budget 3000 LF of	prescribed grazing. Capital RC&D hosted a pasture walk in Cumberland County on Friday, October 18. About 45 people attended, including farmers, agency personnel and a writer from Lancaster Farming. Dave LeFever wrote a story for the paper that was published in the Saturday, Oct. 26 edition.	2024- We increased the prescribed grazing goal due to most recent CAST projections.
									fencing per year – Assume \$4.50/LF - \$13,500 per project or \$67,500 total project budget	2023 - Capital RC&D had their grant extension approved and outreach will begin in the fall of 2023. Prescribed grazing will be a focus BMP of this grant. Three fencing projects using block grant funds will be completed in the fall of 2023 that will be enable three operations to increase their prescribed grazing capacity. 2022 - Capital RC&D has a technical assistance grant that has been requested for an extension through the end of 2023. Should that occur, the program will continue to be promoted to support our BMP goal. 2021 – 36 acres are either planned for or will be funded within the last two grant rounds. A field day for small ruminant grazing	
2.10 Animal wasts management	Cool - 400/ of former with livestack hove	CCD CCC NDCC CEC	Liventeel	2024 2025		Duningt	TBD	Design manusit	Λοουσο ο Γ	1 16 5 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
	Goal = 40% of farms with livestock have appropriately sized waste management (~18,500 AUs or about 100 farms, 25 farms per year newly reported or newly constructed)		farms	NRCS about Time t	nt capacity through and CCCD implements t 5 projects per year; to get through planning, n, and construction;	Project implementation – 2 farms/year Project		Design, permit, construction services	year, \$440,000 each,	2024- 20 acres of prescribed grazing were documented in the county by Barry Simmons on BMP verification visits, though this acreage was not new. The District did not implement any projects with new prescribed grazing acreage this year. 2023 - Three waste storage units were completed in 2023. Two via CEG and one via block grant funding. Two additional waste storage projects using ACAP are set to begin in the fall of 2023.	
	,			outrea that li assista for sm plan/ii when	ach to smaller farms ikely need the ance; match cash value nall farms; readiness to implement projects outreach efforts yields g landowners	implementation – 3 farms/year			year (construction and technical	2022 - Projects continue to be implemented through CEG and the block grant. Many EQIP-funded projects have been put on hold due to increased project costs. Those projects might shift over to the CEG, block grant, or new ACAP programs. Remote sensing has identified potential systems that need to be field verified and will be subsequently reported. 2021 – Projects are being implemented through the CEG program and EQIP. As the Bay tech visits include farms with these BMPs, they are being reported.	
2.11 Implement more barnyard runoff control/loafing lot management/ag stormwater management	40 acres of treated area, assuming we map 200 more and build 20 more (5 farms per year)	CCCD, Chesapeake Conservancy, LFT	Livestock farms	logisti buy-in	oing challenges, typical ics regarding landowner n and project opment/funding		\$1,568,000 per year, \$7.84 M total		\$219,000 per year, \$1.1 M total	2024- Two waste storage facilities were completed at the end of 2023, one from ACAP and one from CEG. Two waste storage facilities have been completed in 2024, both with ACAP funds. Two more waste storage facilities are projected to be completed by the end of 2024, one with ACAP funds and one with CEG.	2024- We increased the cumulative goal for barnyard runoff and added a new goal for loafing lot management.
	Cumulative goal of 90 acres of barnyard runoff control and 14 acres of loafing lot management.						\$316,250 3 farms leaky barnyards			 2023 - Four animal heavy use area projects were completed in 2023 with five more scheduled for construction in late 2023. CEG, CAP, NRCS and ACAP are the funding sources for these projects. 2022 - Projects continue to be implemented through CEG and the block grant. Many EQIP-funded projects have been put on 	
2.12 Manure treatment	Track Dickinson College	CCCD, Dickinson	Central	2023 What	if project doesn't	Facility operation	Operational	N/A	N/A	hold due to increased project costs. Those projects might shift over to the CEG, block grant, or new ACAP programs. Remote sensing has identified potential systems that need to be field verified and will be subsequently reported. 2024- The digester at the Dickinson College Farm started operating in August of 2024. Central Valley's digester is scheduled to be	2022 Extended timeframe to 2022
technology	digester/composting project for dry ton treatment	· ·	Cumberland County	compl to des	lete/operate according sign specifications when mplemented?	, ,	budget	IV/A	N/A	constructed in the fall of 2025. 2023 - The digester at Dickinson College Farm was completed in mid-2023 with CEG funding. Another digester (Central Valley) is	
										scheduled for completion in late 2023. The county helped fund the reception pit for this project, but not the digester itself. 2022 - Construction will hopefully begin fall 22/spring 23.	
										2021 – The project is on track for implementation, construction starting Fall 2021/Winter 2022.	
2.13A Implement the Cold Water Conservation Plan for Letort Spring Headwaters	Complete habitat study	Cumberland Valley Trout Unlimited, CCCD	Letort Spring Watershed		ect goals of ervation plan to CAP	Plan writing	\$ 5,000	N/A	N/A	2022 - Plan was accepted in August 2021 2021 – Public Meeting #2 held 6/26/2021. Final plan to be sent to PA Coldwater Heritage Partnership by 8/6/2021 for final	2022- Study is complete.
Lector Spring Fredawaters		CCCD		gouis						review.	
2.13B Implement the Cold Water Conservation Plan for Letort Spring Headwaters	Implement recommended BMPs from plan and habitat study	Cumberland Valley Trout Unlimited, CCCD	Letort Spring Watershed	2022-2025		Designs for habitat restoration	Average \$8,000 per year per project		\$ Match	2024- LRA is supporting an application for a POWR NFWF grant to facilitate the implementation of CVTU's Letort Spring Run Coldwater Conservation Plan which identifies stream improvements in the upper Letort upstream of I-81. CPC is also supporting the application. The application will help facilitate advancing conceptual projects into the design phase which will require additional funding for implementation. LRA has also secured funding for invasive species removal and native re-plantings in the riparian areas of Letort Springs, and along the walking trails. LRA has also been working with POWR to apply for NFWF funding to obtain funding for technical assistance to move projects out of the conceptual phase and into the shovel ready phase. 2023 - No progress this year due to some District staff change. Letort Regional Authority and CVTU are working together to develop an action plan. 2022 - CPC property work has been on-going to remove invasive plants and plant natives. Downstream of CPC property (Vince's Meadow area) owned by CVTU and the adjacent parcels owned by Letort Regional Authority would like to do similar work. Possible wetland restoration/riparian buffer work and could potentially be part of a project proposal this Fall. Opportunities also	
										exist for the property upstream of CPC property (Otto's meadow) owned by CVTU. 2021 – This initiative is slated to start in 2022. CCCD will contact habitat specialists in Fall 2021 to start looking at priority restoration sites. Once several sites are picked, we will have a meeting with agency personnel (DEP/Army Corps/PAFBC) for permitting course of action(s).	

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Action # Description	Performance Target(s)	Responsible Party(s and Partnerships		Expected Timeline	Potential Implementation Challenges or	Resources <u>/</u> Technical	Available Financial	Technical	es <u>Needed</u> Financial	Annual Progress to Date (2021 to 2024)	Reason for Change to Action Item
2.14 MS4-related Pollutant Reduction Plan Implementation			Urbanized planning area		Municipal capacity to implement plans (technical, financial)	Municipal engineer design/permit, construction readiness	Unknown value		N/A	2024-See Action #1.3A above. 2023 - Same status as 2022. 2022 - Outreach to MS4s indicates that fundraising continues and many are on track to implement their plans by 2023. 2021 – MS4 communities continue to work through the implementation of their PRPs. COVID related delays on construction	2022- Extended the timeline through 2025 in case the MS4 permit gets extended.
2.15 Wet Pond/Wetland Installation	Identify 1 large property owner from University of Vermont restorable wetland layer to install and preserve a 300-acre wetland	Wildlife for Everyone	Priority watershed (ag or non-ag)	ID landowner (2023) Funding (2024) Design/permit (2025) Construction (2025- 2026)	Landowner participation, permitting, funding	GIS mapping Outreach	N/A	Design, permitting, construction	\$1,000,000	have held up the schedule to some extent. It was also difficult to set up meetings with private landowners to discuss easement agreements and gaining access to properties. 2024 - CCCD and Planning have future plans to improve the Mount Holly Marsh Preserve. Main priorities include removing faller trees that have disrupted the flow of Mountain Creek, and to clean up the various trails by removing invasive species. Future plans for the Mount Holly Marsh include removing fallen trees from the waterway and maintaining the various trails. Future goal include controlling invasives surrounding the trails, as well as sponsor stream restorations along the Mountain Creek to reduce bank erosion. 2023 - HRG is underway with creating a master plan for the Mount Holly Marsh Preserve and creating a cost estimate based upon the feedback received from stakeholders. County staff will be reviewing in July for August finalization. The preserve includes a stream/wetland complex that is in need of restoration in addition to recreational improvements. The timeline of this project will likely extend beyond 2026. 2022 - The Mount Holly Marsh Preserve is a potential county-owned site for this BMP, though the primary goal of the project is	
2.16 Impervious surface	Identify a blighted area that could be	Cumberland County	Carlisle	ID landowner	To enhance buy-in and	Mapping	2	Design, permit,	\$3,000,000	stream restoration/legacy sediment removal. We continue to need another partner/landowner to come forward to take the lead. 2021 - The CAP team would benefit from a partner organization taking the lead on this initiative. The schedule will need to be extended to insert the step of identifying a lead organization before or in parallel with identifying some candidate landowners. 2024- The Cumberland County Housing and Redevelopment Authorities (CCHRA) has been investigating opportunities to conver	t 2022- Extended the timeframes
reduction project	Report 15 acres reduced through PRP implementation	Housing and Redevelopment Authority and municipalities	Borough?, river- bordering Boroughs?,	(2023) Funding (2024) Design/permit (2025)	identify co-benefits to water quality, will need municipalities to define project priorities for the blighted property designations. Would need to do outreach/build support ahead of parcel targeting.			construction	\$5,000,000	blighted areas into parks. CCPD and CCHRA will coordinate in 2025 to help progress the 3 acre goal. Additionally, through CCHRA's removal of blighted property, there is opportunity to report 15 acres of reduction. CCHRA has identified .4-4 acre parce that would aggregate to that goal. CCPD and CCHRA will coordinate in 2025 to progress that goal. 2023 - No progress. One municipal MS4 coordinator who showed interest is no longer in his role. CAP partners will meet with th County Blighted Properties Review Board in 2024 to identify possible locations for impervious surface reduction. Partners will also discuss possible reductions in Carlisle Borough. 2022 - No progress has been made to date but municipal outreach has been identified as a specific goal for 2023 to see if anyone is interested. 2021 - No progress has been made to date due to team capacity. It is also not a high priority due to low nitrogen reduction	e e
2.17 Continue dirt and gravel road program	Restore 0.75-mile per year, 19,800-43,000 feet overall	CCCD	County Wide		Continue D&G Road program funding	assistance, project oversight	year	N/A	N/A	potential and high anticipated capital cost. 2024- LVR project in West Pennsboro Township on Green Hill Road Phase 2 complete. DG project on Bridgewater Road Phase 1 Upper Mifflin Township to improve multiple problem areas complete. Phase 2 to take place in 2025. DG project on Ridge Road Phase 1 of Mount Holly Springs Borough to improve road conditions and implement drainage improvement complete. LV projec in Mount Holly Springs Borough on East Street to improve stormwater drainage to take place in late 2024 and completed by 2025. 2023- LVR project in West Pennsboro Township. Phase 1 complete - moved bank back to alleviate flooding concerns. Phase 2 to occur in spring 2024 - raise the road and insert culverts under road. LVR culvert replacement project in Lower Mifflin Twp. Thirty inch culvert replaced with 11-foot aluminum box culvert completed August 2023. Bridgewater Road, Lower Mifflin Township, project to improve multiple problem areas will possibly begin late 2023. 2022 - We currently have 2 active projects with LVR: both drainage improvements: Penn Township, Beetem Hollow Road, Trib to YB: estimated to install 2000 ft 6" perforated underdrain, one cross pipe, and 175 ft x 20 ft wide French MattressGrant: \$78,772.15, Twp In-Kind: \$42,900, Total Project Value: \$121,672.15. Linear Road footage: 2,289 ft. North Newton Township, Oakville Road, Trib to Conodoguinet: underdrain on both sides of the road, about 600 ft and one cross pipe replaced. DGR, Dickinson Township, Cold Springs Road, Trib to Mountain Creek: will have one project (completed before Sept. 30) for Driving Surface Aggregate (DSA) on 4,250 ftthis will finish out Cold Springs South. Prospective projects for 2023 are in various stages of design/permitting.	goal due to most recent CAST projections. f
2.18 Utilize stormwater fee- credit programs (where- they exist) to collect- existing farm BMP- information	Catalogue farm BMP information- collected by municipalities with- stormwater fees	Silver Spring Township	Silver Spring Township	2021	Policy is new so education to farming community will be key	Plan- review/Township- staff training Data Collection Practice Keeper- input	N/A	N/A	N/A	2022 - Any plans received through this program will be reviewed for Township stormwater policy needs and entered into PracticeKeeper. 2021 – Stormwater fee credit program for farms in Silver Spring Township has started and site visits are planned for 2021/2022 to verify credit eligibility. Sharing data for PracticeKeeper input will be a challenge due to privacy concerns.	2022- The concept of needing to enter plans into PracticeKeeper is institutionalized into CD staff workflow, so this initiative is now complete.

			<u>Green</u> - action has	been completed or is moving fo	orward as planned	'ellow - action ha	as encountered minor o	bstacles <u>Red</u> -	action has not been taken or has encountered a serious barrier	
		Responsible Party(s) Geograph	ic	Potential Implementation	Resources /	<u>Nvailable</u>	Resources	<u>Needed</u>	Annual Progress to Date	Reason for Change
Action # Description	Performance Target(s)	and Partnerships Location	Expected Timeline	Challenges or	Technical	Financial	Technical	Financial	(2021 to 2024)	to Action Item
	ng, Verifying, Researching, Educ CAST-21 acknowledgement of our data		Ongoing	Consistent data collection,	Sample collection	N/A	Sample Collection for	N/A	2024- PSU Extension Master Watershed Stewards have been receiving training from ALLARM for Water Quality Monitoring at	2022- Updated the expected timeline to 'ongoir
program	CAST-21 acknowledgement of our data	College, Shippensburg	Oligoling	QAQC continuation	Sample collection	IN/A	new sites identified	IN/A	numerous sites in Cumberland County. ALLARM led a workshop for the NFWF Community Based Monitoring Protocol to provide	
program.	Expand monitoring based on Corridors			Q (QC commutation			through CAP		a new style of monitoring based on stream status. There is also planned partnership with Creek Defenders, which will begin in	versions and monitoring gaps will continue.
	of Opportunity area monitoring gaps	YBWA, CVTU, fly			QAQC		implementation		Fall/Winter 2024 into 2025, to collaborate on monitoring goals in County and to communicate that data.	
		fishing outfitters								
									2023 - The Chesapeake Monitoring Cooperative (CMC) is continuing development of their Community-Based Restoration	
									Monitoring Protocol which targets restoration projects and assesses their short- and long-term impacts over time. This protocol	
									is now being field tested with the goal of involving community members from Cumberland and surrounding counties in data collection in the near future. Additionally, ALLARM's Stream Team monitoring program has reached its five-year anniversary,	
									engaging volunteers throughout Cumberland County (and the state) in data collection to fill spatial and temporal data gaps.	
									engaging volunteers throughout earnseriana county (and the state) in data concetion to fin spatial and temporal data gaps.	
									Dickinson College's Alliance for Aquatic Resource Monitoring (ALLARM) is a community science center that works with	
									communities in the Mid-Atlantic region to use science as a tool to investigate stream health while generating data that can be	
									used for aquatic protection and restoration efforts.	
									ALLARM's Stream Team program aims to develop baseline water quality data examining the relationship between land use,	
									geology, and water quality. PA communities have collected biological, chemical, and physical data, and continue to do so in these	
									targeted counties: Cumberland and Dauphin. There are currently 19 active Stream Team Sites in Cumberland County, and 3 active	2
									sites in Dauphin County. Monitoring data for these active sites, as well as sites not currently monitored in Cumberland, Dauphin, and Perry Counties are located in the CMC Data Explorer, which is a regional database for Community-collected data throughout	
									the Chesapeake Bay Watershed. More information and the Data Explorer can be found here: https://cmc.vims.edu/#/home	
									In partnership with Letort Regional Authority, ALLARM also monitors 7 sites along Letort Spring Run in Cumberland County for	
									baseline chemical parameters and visual observations.	
									2022 - CMC data has been accepted as relevant for the next "builds" of CAST. Expanded monitoring locations and protocols	
									continue to be developed as a part of the NFWF INSR grant awards. 2021 – The Chesapeake Monitoring Cooperative (CMC) team is excited to announce a new partnership with the National Fish and	1
									Wildlife Foundation, in addition to Cumberland County's NFWF INSR award. They will be establishing a monitoring protocol that	1
									targets restoration projects to track progress over time. First, the CMC team will conduct a study design workshop with key	
									stakeholders in Cumberland County. The workshop objectives are to identify data needs and assess appropriate methods to	
									meet those needs. The goal is to have an approach that will engage volunteer monitors and holistically (water, habitat,	
									organisms) track the recovery of restored streams throughout the Chesapeake watershed. This program will enhance our goal of	:
									expanded monitoring so that the results of BMP installations are better understood on the short- and long-term.	
3.1B Enhanced local monitoring	Set up HUC-12 level watershed	ALLARM/Dickinson Mount Roc	Ongoing	Consistent data collection,	\$30,000 intern	N/A	N/A	\$10,000	2024- Because of a lack of landowner interest, focus of the NFWF INSR grant has shifted to other watersheds in 2024.	2022- Updated the expected timeline to 'ongoin
program – Mount Rock Spring Creek Watershed	monitoring program in focus watershed so that as BMPs are installed, we can	University, CCWA, Watershed	<	QAQC continuation	salary budget			EQUIPMENT	2023 - Same status as 2022.	because the timeline for completion is going to align with the NFWF INSR grant.
	monitor water quality changes	CVTU			QAQC			-2021	2022 - This initiative continues to be in the workplan under the 2021 NFWF INSR grant.	
									2021 – See Initiative 3.1A for update on expanded monitoring. Should additional BMP installations occur at scale in the Mount	
									Rock Spring Creek watershed as a result of the 2021 NFWF INSR award, the CMC protocol will be utilized by ALLARM for	
									enhanced BMP monitoring.	
3.2A Continue farm decision	Two trips per year, increase	CBF, CCCD, NRCS, Cumberland	Fall and Spring of	Promotion to increase	N/A	Trip	N/A	\$2000 per year	2022 - This program has not picked up post-COVID and needs a supplemental funding source from CBF. Educational trips will	2022- Focus on the communications strategy so
maker trips to showcase	participation by 10% each year	Cumberland County County	each year	participation each year,		coordination		to expand	continue to be a communications strategy.	that we're more strategic about our
BMPs that work		Farm Bureau		expand logistics/# of local		and field		resources		human/financial resources.
				and Bay trips to allow for		facilitation			2021 – A summer trip occurred in July that included a few local farmers on the ag action team and County staff as a "thank you"	
				increased participation, consider alternative					for participating in the development of the CAP.	
				transportation options to						
				canoes if it helps to scale up						
				the initiative						
3.2B Farm outreach town halls	Three per year, increase participation	CBF, CCCD, NRCS, Cumberland	. 116., 666, . a		Coordination	\$7,000	N/A	\$7,000	2022 - This program has not picked up post-COVID and needs a supplemental funding source from CBF. Educational trips will	2022- Focus on the communications strategy so
	, , , , , ,	Cumberland County County	of each year	participation each year					continue to be a communications strategy.	that we're more strategic about our
	plans and project site visits	Farm Bureau, LFT							2021 – Due to COVID restrictions, no progress in 2021.	human/financial resources.
3.3 Utilize Restoration Reports	Assist with development of Restoration	- South Mountain Cumberland	⊢ 2021	Relevance for target	Background data to	~ \$2000	Consulting support	\$ 10,000	2021 – Due to COVID restrictions, no progress in 2021. 2022 - No update and the tool continues to be available for use.	2022- Removed from the CAP because the tool
for landowner outreach	Reports	Partnership, County		landowners – guide the	support		to build out			now exists and is another tool for project
		Chesapeake		process to the targeted	development of		Restoration Reports		2021 – The Restoration Reports website went live in July 2021. Clean Water Cumberland promotes the use of it on social media	development.
	Train outreach team members on it	Conservancy, CCWA,		audiences	Restoration Reports		for Cumberland		and the project website.	
		YBWA, Mountain					County landowners			
		Creek Trout Club &								
					1	The second secon	1	T. Control of the Con		The second secon
		Conservation Society,								
		Conservation Society, Cumberland Valley Trout Unlimited								

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												
T			Responsible Party(s)	Geographic		Potential Implementation				es <u>Needed</u>	Annual Progress to Date Reason for Change	<u> </u>
Action #	Description	Performance Target(s)	and Partnerships	Location	Expected Timeline	·	Technical	Financial	Technical	Financial	(2021 to 2024) to Action Item	•
	ance the capacity of	Share each other's social media conter		Countywide	Ongoing	Continued coordination	Social media shares			\$5000 per	2024- POWR has been active with writing Growing Greener and NFWF Grants in Cumberland County to assist Watershed	
	I watershed		Mountain Creek Trou	· ·	3 0	among a lot of active groups,			,	organization to	Organizations receive funds for Technical Assistance to design projects and move them from the conceptual phase into shovel	
		When developing water quality	Club & Conservation			keep project leads list active		nt		produce	ready projects. All watershed associations have attended multiple public outreach events and hosted their own outreach events	
succ	cess and long-term	projects, include them in the	Society, Cumberland			so that watershed approach				promotional	and creek clean ups with a focus on educating local communities. BSWA is working on controlling invasive species and native	
	ainability	scoping/funding process	Valley Trout			to grant applications can be				materials (hats,	planting along the Big Spring Creek. LRA will be taking on a source tracing project to identify the subsurface water sources of the	
	·		Unlimited, Big Spring			developed well in advance of	:			shirts, stickers)	Letort. MSWA will be hosting a Stream Day educational event for third grade students of Shippensburg. YBWA will be hosting	
		When we utilize/obtain funding for	Watershed			submittal deadlines				for members	local partners to speak at their annual fall outreach event.	
		outreach, reserve some for partner	Association, Letort									
		promotional items (hats, shirts, etc.)	Regional Authority,								2023 - All watershed organizations have attended multiple different public outreach events and have hosted multiple creek clean	
			Friends of Opossum								up events. BSWA constructed an educational sign along the Big Spring Creek. LRA is working on extending the Letort trail and	
		Encourage project implementation on	Lake, Middle Spring								manage invasive species. LRA is also working with CVTU to create a Letort Action Plan. CVTU has helped with the implementation	
		the watershed level so that these	Watershed								of BMPs along the Yellow Breeches creek. MCTCACS has completed restoration efforts at Veterans park and they are working	
		partners enhance their relationships	Association, POWR								with private land owners to do manual removal of log jams and creek clean ups. MCTCACS and BSWA has been connected with	
		with non-peers with a co-benefit of									POWR.	
		diversifying their membership										
											2022- CWCA is supporting a grant to DEP for portage site at Heishman's Mill on Conodoguinet about 5 miles west of Carlisle.	
											2021 – CCWA Commemorative Booklet grant for printing copies has been secured. Also looking at printing bookmarks to	
											promote CCWA—unsure of funding source. Secured Rain to Drain, Slow the Flow Kits (CCCD through PA DEP Educational Grant)	
											and borrowing Freddy the Fish for education at Carlisle Farmers Market on August 4. Several Creek Cleanups occurred on the	
											Conodoguinet. Tree Plantings occurred in the spring. YBWA looking at getting stickers to promote YBWA. Annual Creek Cleanup	
											held in July 2021. Tree planting in spring 2021. Cumberland/ Franklin CD/Adams CD held Tri-County Watershed Meeting in March	
											2021. BSWA working with MWS to tackle invasive plants along Big Spring. MSWA is looking to expand to several tributaries close	
											to them. Several Creek cleanups this past spring.	
			December 5	Cult	2024		F D	21/2	2. 1 /	N. N. / A		
	servation Excellence	Develop a spreadsheet decision tool or	· ·	, Lumberland	2021	Success of program so that it		N/A	Coding/programmi	ing N/A	2022 - Additional funding sources for farm projects continue to come online and HRG has started serving as a "filter" regarding 2022 - This could be a statewide projects are the statewish and statewish are statewish as a statewish are statewish as a statewish	J
Gra	nt Planning Tool	web-based "Turbo Tax"-like tool so a				can be expanded to other	Advising				which programs are best for which project.	_
		practitioner or farmer can decide what	,			counties, support Center for					propose it as a statewide recomme	
		the right mix of grant/loan/tax credits	, 0	-		Water Quality Excellence so					2021 – There is currently more funding available than interested farmers, so this initiative has not proceeded. We still believe BIL/IIJA funding sources come from	n various
		for their farm based on their income- statement, balance sheet, and other	Farm Credit			that funding can be simpler	Support				that a decision-making tool would be helpful to be integrated into CAP implementation so that practitioners can get up to speed funding agencies.	
		·				for landowners	Drivata Castar				faster. The current approach of field staff needing to have significant knowledge of BMPs and the myriad of funding options in	
		factors to be determined					Private Sector				order to be effective with landowners slows down our progress because of the time it takes for staff to "get up to speed" and	
		1					Banking Support				develop relationships with landowners.	