2024 Phase 3 Watershed Implementation Plan (WIP) Planning and Progress Template – SNYDER COUNTY

		<u> </u>	has been complete Responsible			Potential Implementation		ed minor obs s Available	 _	es Needed	n or has encountered a serious barrier
ction #	Description	Performance Target(s)	Party(is) and Partnerships	Geographic Location	Expected Timeline	Challenges or Recommendations	Technical	Financial	Technical	Financial	Annual Progress to Date (2021 to 2024)
							County Pro	ogrammat	ic Initiatives		
	Plan policies and actions	Ensure that growth activities address existing water quality impairments through stormwater BMP implementation already required by local ordinance Preserve environmentally sensitive, culturally, and economically important areas from new development through zoning and ordinances Conserve 1,600 acres of forest. Conserve 60 acres of wetlands.	SCPC, growth boundary municipalities, CKCOG, SEDA-COG	Multi- township	Ongoing	Educating municipalities, Updating local plans and ordinances, Growth areas not consistent with Census Urbanized Areas Local governments willing to propose to ordinances to protect economically and environmentally friendly landscapes Work with solar farms for zoning purposes and BMP implementation. Comprehensive Plan is underdevelopment and will be updated in the coming	Education, outreach	ogrammat	1 – FTE Clean Water Coordinator for Planning Commission	forest conserved through easement: Total \$3.2M	2024: The County will complete a grant application to finalize the Greenway and Open Space Plan as has not been finished at this point. As it is being finished we will also be asking the County Commissioners to set aside money to begin a new County Comprehensive Plan and also seek grant funding to help with the cost of the plan. 2023: In 2024 Snyder County Planning Commission will be exploring options to update the County Comprehensive Plan and to ensure the numeric associated with this initiative are included. The Greenway and Open Space Plan is currently in development through 2023. A few municipalities are continuing to update their comprehensive plans. Once they are adopted they will be incorporated in the overall County Comprehensive Plan. 2022: A few municipalities are updating comprehensive plans currently. Snyder County is drafting a Greenway and Open Space Plan currently.
	planning efforts Implement the	Protecting Snyder County's surface water and groundwater as a viable resource is critical to preserving water quality and healthy communities Snyder County will work with DEP to help develop Source Water Protection Plans for systems that service <100K users.	Freeburg Borough Middleburg Borough	township DEP	1-2 years	Reinforcing the municipal role in coordinating with the water authorities to perform education and outreach.			1 – FTE Clean Water Coordinator for Planning Commission Source Water Protection Plan development	\$130,000 per year \$100,000 for Plan	 2024: The Freeburg Water Authority decided not to pursue 319 funding this year but plans to apply in 2025. 2023: HRG has reached out to the local entities with public water supplies. Several have Source Water Protection Plans and HRG is partnering with the Freeburg Borough on their plan. 2022: HRG obtained the list of municipalities without SWPPs and verified it with DEP. DEP provided in names of four public water supplies that do not have SWPPs. HRG will be performing outreach in 20 to discuss the importance of the SWPPs and urge water suppliers to contact DEP to request assistant with the development of SWPPs. HRG will review existing plans with the water suppliers and help them determine if they need additional funding to implement the plans.
		Improve flood prone areas with BMPs that also enhance water quality Work with Selinsgrove Borough Flood Prevention Plan	Multi- Township, Selinsgrove Borough	Within responsible party municipaliti es	5-10 years	Flood controls can capture pollution, if considered in design and maintained.	CRS program guides		1 – FTE Clean Water Coordinator for Planning Commission Project Implementation	\$130,000 per year \$500,000 project implementation	 2024: The County Hazard Mitigation plan is in the process of being updated. Final approval is currer planned for the first half of 2025 possibly within the first quarter of the year. 2023: Snyder County will be starting the update to the Hazard Mitigation in the Fourth Quarter of 2023. It is current through 2025. 2022: Snyder County is preparing to update the Hazard Mitigation Plan in the near future. The Cour was awarded a grant from HMGP to help pay for the update which will be done by MCM. The Coun will be updating the County Comprehensive Plan most likely beginning in 2024 when they complete their Greenway and Open Space Plan which we will begin in the next month or so.

	1			1			I			1	
1.1D*		Identify landowners willing to participate and work	Municipalities,	Countywide	5-10 years		landowner		1 – FTE Clean	\$130,000 per year	2024: One site in Beaver Township has been identified through LFT farm outreach visits and scheduled
		with the following partners to implement new	Conservation			require a pilot project in a	outreach;		Water		for implementation in fall 2024 through SCCD's 2024 GG Buffer Grant. A total of 2.0 acres are planned
	riparian buffers	buffers	District, CBF,			willing municipality to	on the		Coordinator for		for implementation. A second site in West Beaver Township has been identified and proposed for
	to stabilize		Pheasants			demonstrate success. Look			Planning		installation in 2025. Exact acreage is yet to be determined.
	stream banks	Work with Chesapeake Conservancy through rapid de				to revise and promote	riparian		Commission		
	and limit	listing approach to identify new landowners.	Trout Unlimited,			ordinances where feasible.	project			\$130,000 per year	2023: Two projects of 2 acres of buffers will be installed in 2023. Landowners are being identified
	encroachment		Chesapeake			Some ordinances promote	execution		1 – Clean Water		through previous willing participants. Stream restoration is driving buffers as additional work for
			Conservancy,			destruction of buffers due			Coordinator for	Expand Buffer	projects. DEP complaints in County are also identifying potential willing participants.
			Watershed			to "mowing" ordinances.			Conservation	Bonus Program to	
			Associations,						District	provide \$10,000	
			Susquehanna			Buffer funding programs				per acre of buffer	2022 : SCCD planted buffers for five projects. One buffer was contracted, four buffers were planted by
			University			must include 5-10-year				installed to	SCCD. A total of 5.2 acres of riparian buffers were planted (approximately 750 trees and shrubs). SCCD
						minimum maintenance				include 5-year	is exploring a potential project for buffer planting using CAP funding. Exploring options for new buffer
						plan, incentive money for				maintenance	plantings in 2023.
						landowners, along with				contract: \$2.2M	
						volunteers to establish the				total	2019 Growing Greener Grant is still being used to fund buffer projects.
						buffer.					
1.1E	Adopt and	Look to review and update all Act 537 plans by	Municipalities,	Municipaliti	5 years	Landowner education will	Utilize	Sewage	1 – FTE Clean	\$130,000 per year	2024: The 5 County Solid Waste Plan is still in the process of being updated as we have been working
	update an on-	municipality. Explore plan creation for municipalities		es where	,	be needed to promote		Enforcemen	Water	, ===,=== p== ,===	through comments from the PaDEP and amending as necessary. Approval should be sometime in 2025
	lot sewage			public		proper on-lot septic system			Coordinator for	\$1,000,000	with both county and then municipal approvals.
	management	new pumping guidelines.	Officer	sewer is not		maintenance.	ordinances		Planning	funding to update	Then some country and then mamorpal approvais.
	program (Act	new pamping gardenies.	Officer	available.		mamtenance.	as		Commission		2023: The Five County Solid Waste Plan is currently being updated. It will be completed by the end of
	537)			available.			guidance		Commission	municipalities	2024.
	3377						guidance			mamerpancies	2024.
											2022 : Snyder County is part of a solid waste plan with five neighboring counties. The plan is currently
											being updated and should be done sometime in mid to late 2023. The CAP team is not involved with
											this update.
1.2*	Act 167	Revise existing model stormwater ordinance where	SCPC, municipal	Countywide	2021 –	Political will and			Act 167 Plan	\$500,000 plan	2024: Funding to complete the remainder of the Act 167 Stormwater Management Plan has not been
	Stormwater	needed. Look to incentivize additional protections for			discuss	involvement from local			Development		set aside to date and grant opportunities have not currently been explored. From the county point of
	Management	streams. Support implementation of existing	SEDA-COG,	'		municipalities.			Development	development	view this will not happen until we complete the Greenway and Open Space plan and the County
		ordinances where feasible.	Municipalities		pursue and	·			1 – FTE Clean	\$130,000 per year	Comprehensive Plan as we are not staffed to complete all of these plans at one time. We continue to
		ordinances where reasible.	ividilicipalities		1	Funding to develop and			Water	\$150,000 per year	support existing ordinances and the Stormwater Section of the County Subdivision and Land
		Look to revise Act 167 to encompass a countywide			_	implement an Act 167 plan			Coordinator for		Development Ordinance has been developed with the same intent as the Act 167 Plans intentions.
					opportuniti	is limited.			Planning		Development ordinance has been developed with the same intent as the Act 107 Flans intentions.
		plan.			62	is illilited.			Ŭ		2023: Phase 1 has been completed. Awaiting funding for Phase 2.
									Commission		2023. Fliase I has been completed. Awaiting fulluling for Fliase 2.
											2022 : The 2022/2023 state budget includes new funding to support the development of Act 167 plans.
											Snyder county currently has no Act 167 plan, but with new funding plans to explore opportunities to
											develop an Act 167 Plan.
											Snyder County Planning Commission Just finalized the SALDO update. Incorporated some aspects of
											ACT 167 plans. The Planning Commission is going to explore potential funding opportunities to develop
											a 167 plan.

		T	T	0000 000						
1.3* Continue to	Total preservation farm goal (28 farms in program		_		Operator acceptance,	Priority			Assume \$250,000	2024: Three farms totaling more than 200 acres will be completed in 2024 in Franklin, Middle creek,
Implement	currently – 2,993 acres)		area that	1	additional resources for	recommen			per farm:	and Penn Townships.
County	Last to found 4.5 additional farmer manages in	and Agricultural	fits		plan development	dations,			\$5,000,000	2022. There forms have been identified and are in account for accounting in early 2024. CCCD is all
Farmland			farmland			easement 				2023: Three farms have been identified and are in progress for preservation in early 2024. SCCD is also that the second
Preservation	preservation program.	Coordinator,	preservatio	es	as a farmland preservation	revision				identifying two additional farms for potential preservation in 2024.
Program.	·	NRCS, SCCD, Farm	n criteria		goal.	recommen		0	4.00.000	
		Bureau, Snyder				dations,		1 – FTE Clean	\$130,000 per year	2022: One farm is being preserved in 2022. In 2023 an additional farm will be preserved through state
	Preservation of Agriculture and Open Space Land Use	·			Preserved farms are	suppleme		Water		funding and two additional farms through volunteer preservation. A total of 3 farms will be preserved
	through the encouragement of local governments to				required to have an NRCS	ntal BMP		Coordinator for		in 2023.
	implement effective land use ordinances	Plan			Conservation Plan, work	funding		Conservation	\$75,000 per year	
					with farmers to ensure	research		District		
	Utilize conservation easements to protect land				Conservation Plan is					
					reported in PracticeKeeper.			1 – administrative	\$780,000 per year	
					Recommend making this a			assistant		
					program requirement					
					statewide.			6 – Ag planners to		
								assist with		
					Lack of funds to preserve			technical		
					land. Landowner			assistance		
					willingness decreases due					
					to the reality of the limited					
					funds, if they don't rank at					
					the "top" of the list, over					
					years they quit applying.					
1.4* Establish	Approximately 200 have their plans in Snyder County,			2022-2025	Limited compliance			6 – additional Ag	\$780,000 per year	2024: SCCD has hired a new Watershed Specialist to assist District operations and assist in this initiative.
funding/staff	goal is to complete 400 by 2025.		Ag Land		activities by DEP.	verificatio		Planners to		2023: SCCD has added a Program Administrator position that assists in implementation projects and running
support to		planners, Snyder				1	Inventory	provide TA and ag		funding programs (such as ACAP). SCCD has also hired a new Watershed Specialist to assist in this initiative.
assist the		County Farm			Lack of Technical assistance			planning	¢ 420 000	6 h - 6 m - 7 m - 1 m -
Agricultural		Bureau, Act 38			to support the farming	oting			\$420,000 per year	2022: The Foundation for Pennsylvania Watersheds applied for a Growing Greener grant totaling \$1.6 million to
community		operators, organic		1	community.			3 – FTE Design,		support additional ag engineering needs along with increased farm visits.
(day to day	Work with private ag consultants to document plan				,					support additional agengineering needs along with mercused farm visits.
SUDDOTT	, , ,	farmers,			·			Permit		
support)	reporting.	farmers, preserved farms,			Private sector Ag plans are	visits per	Chesapeake	construction	40.000	In 2022 the Lancaster Farmland Trust (LFT) completed 30 farm visits across the county. LFT also completed 20
	reporting.	farmers, preserved farms, integrators, Ag			Private sector Ag plans are not required to be shared	visits per year	Chesapeake Bay	construction	\$315,000 per year	In 2022 the Lancaster Farmland Trust (LFT) completed 30 farm visits across the county. LFT also completed 20
864 farms exist	reporting. In order to communicate effectively with the farming	farmers, preserved farms, integrators, Ag			Private sector Ag plans are	visits per year	Chesapeake Bay Technician	construction Services	\$315,000 per year	In 2022 the Lancaster Farmland Trust (LFT) completed 30 farm visits across the county. LFT also completed 20 farm visits in 2021.
864 farms exist in Snyder	reporting. In order to communicate effectively with the farming community one on one farmer outreach must be	farmers, preserved farms, integrators, Ag			Private sector Ag plans are not required to be shared with District staff.	visits per year	Chesapeake Bay Technician	construction Services 3 – FTE Design,	\$315,000 per year	In 2022 the Lancaster Farmland Trust (LFT) completed 30 farm visits across the county. LFT also completed 20 farm visits in 2021. Agriculture Conservation Assistance Program (ACAP) was announced in the Pennsylvania State Budget in July of
864 farms exist	reporting. In order to communicate effectively with the farming	farmers, preserved farms, integrators, Ag			Private sector Ag plans are not required to be shared with District staff. Work with Act 38,	visits per year	Chesapeake Bay Technician	construction Services		In 2022 the Lancaster Farmland Trust (LFT) completed 30 farm visits across the county. LFT also completed 20 farm visits in 2021. Agriculture Conservation Assistance Program (ACAP) was announced in the Pennsylvania State Budget in July of 2022. This program will provide all counties in Pennsylvania with funding totaling \$154 million over the next 3-
864 farms exist in Snyder	reporting. In order to communicate effectively with the farming community one on one farmer outreach must be conducted.	farmers, preserved farms, integrators, Ag			Private sector Ag plans are not required to be shared with District staff. Work with Act 38, preserved farms and	visits per year	Chesapeake Bay Technician	construction Services 3 – FTE Design, Permit construction	\$315,000 per year \$130,000 per year	In 2022 the Lancaster Farmland Trust (LFT) completed 30 farm visits across the county. LFT also completed 20 farm visits in 2021. Agriculture Conservation Assistance Program (ACAP) was announced in the Pennsylvania State Budget in July of
864 farms exist in Snyder	reporting. In order to communicate effectively with the farming community one on one farmer outreach must be conducted. Work to document Act 38 and preserved farms	farmers, preserved farms, integrators, Ag			Private sector Ag plans are not required to be shared with District staff. Work with Act 38, preserved farms and organic farms to report Ag	visits per year	Chesapeake Bay Technician	construction Services 3 – FTE Design, Permit		In 2022 the Lancaster Farmland Trust (LFT) completed 30 farm visits across the county. LFT also completed 20 farm visits in 2021. Agriculture Conservation Assistance Program (ACAP) was announced in the Pennsylvania State Budget in July of 2022. This program will provide all counties in Pennsylvania with funding totaling \$154 million over the next 3-years to support Ag project implementation and technical assistance needs.
864 farms exist in Snyder	reporting. In order to communicate effectively with the farming community one on one farmer outreach must be conducted.	farmers, preserved farms, integrators, Ag			Private sector Ag plans are not required to be shared with District staff. Work with Act 38, preserved farms and organic farms to report Ag E&S and NRCS Conservation	visits per year	Chesapeake Bay Technician	construction Services 3 – FTE Design, Permit construction Services		In 2022 the Lancaster Farmland Trust (LFT) completed 30 farm visits across the county. LFT also completed 20 farm visits in 2021. Agriculture Conservation Assistance Program (ACAP) was announced in the Pennsylvania State Budget in July of 2022. This program will provide all counties in Pennsylvania with funding totaling \$154 million over the next 3-years to support Ag project implementation and technical assistance needs. The Chesapeake Conservancy was awarded \$10 million in RCPP funding to support technical assistance and BMP.
864 farms exist in Snyder	reporting. In order to communicate effectively with the farming community one on one farmer outreach must be conducted. Work to document Act 38 and preserved farms	farmers, preserved farms, integrators, Ag			Private sector Ag plans are not required to be shared with District staff. Work with Act 38, preserved farms and organic farms to report Ag E&S and NRCS Conservation Plans. These operations are	visits per year	Chesapeake Bay Technician	construction Services 3 – FTE Design, Permit construction		In 2022 the Lancaster Farmland Trust (LFT) completed 30 farm visits across the county. LFT also completed 20 farm visits in 2021. Agriculture Conservation Assistance Program (ACAP) was announced in the Pennsylvania State Budget in July of 2022. This program will provide all counties in Pennsylvania with funding totaling \$154 million over the next 3-years to support Ag project implementation and technical assistance needs.
864 farms exist in Snyder	reporting. In order to communicate effectively with the farming community one on one farmer outreach must be conducted. Work to document Act 38 and preserved farms	farmers, preserved farms, integrators, Ag			Private sector Ag plans are not required to be shared with District staff. Work with Act 38, preserved farms and organic farms to report Ag E&S and NRCS Conservation	visits per year	Chesapeake Bay Technician	construction Services 3 – FTE Design, Permit construction Services	\$130,000 per year	In 2022 the Lancaster Farmland Trust (LFT) completed 30 farm visits across the county. LFT also completed 20 farm visits in 2021. Agriculture Conservation Assistance Program (ACAP) was announced in the Pennsylvania State Budget in July of 2022. This program will provide all counties in Pennsylvania with funding totaling \$154 million over the next 3-years to support Ag project implementation and technical assistance needs. The Chesapeake Conservancy was awarded \$10 million in RCPP funding to support technical assistance and BMF implementation to Snyder County. Additionally, the Conservancy submitted a Growing Greener application to
864 farms exist in Snyder	reporting. In order to communicate effectively with the farming community one on one farmer outreach must be conducted. Work to document Act 38 and preserved farms	farmers, preserved farms, integrators, Ag			Private sector Ag plans are not required to be shared with District staff. Work with Act 38, preserved farms and organic farms to report Ag E&S and NRCS Conservation Plans. These operations are	visits per year	Chesapeake Bay Technician	construction Services 3 – FTE Design, Permit construction Services 1 – FTE Clean		In 2022 the Lancaster Farmland Trust (LFT) completed 30 farm visits across the county. LFT also completed 20 farm visits in 2021. Agriculture Conservation Assistance Program (ACAP) was announced in the Pennsylvania State Budget in July of 2022. This program will provide all counties in Pennsylvania with funding totaling \$154 million over the next 3-years to support Ag project implementation and technical assistance needs. The Chesapeake Conservancy was awarded \$10 million in RCPP funding to support technical assistance and BMF implementation to Snyder County. Additionally, the Conservancy submitted a Growing Greener application to
864 farms exist in Snyder	reporting. In order to communicate effectively with the farming community one on one farmer outreach must be conducted. Work to document Act 38 and preserved farms	farmers, preserved farms, integrators, Ag			Private sector Ag plans are not required to be shared with District staff. Work with Act 38, preserved farms and organic farms to report Ag E&S and NRCS Conservation Plans. These operations are required to have them, but	visits per year	Chesapeake Bay Technician	construction Services 3 – FTE Design, Permit construction Services 1 – FTE Clean Water	\$130,000 per year	In 2022 the Lancaster Farmland Trust (LFT) completed 30 farm visits across the county. LFT also completed 20 farm visits in 2021. Agriculture Conservation Assistance Program (ACAP) was announced in the Pennsylvania State Budget in July of 2022. This program will provide all counties in Pennsylvania with funding totaling \$154 million over the next 3-years to support Ag project implementation and technical assistance needs. The Chesapeake Conservancy was awarded \$10 million in RCPP funding to support technical assistance and BMF implementation to Snyder County. Additionally, the Conservancy submitted a Growing Greener application to increase technical assistance in the Rapid Delisting Watersheds in Snyder County.
864 farms exist in Snyder	reporting. In order to communicate effectively with the farming community one on one farmer outreach must be conducted. Work to document Act 38 and preserved farms	farmers, preserved farms, integrators, Ag			Private sector Ag plans are not required to be shared with District staff. Work with Act 38, preserved farms and organic farms to report Ag E&S and NRCS Conservation Plans. These operations are required to have them, but no requirement to report	visits per year	Chesapeake Bay Technician	construction Services 3 – FTE Design, Permit construction Services 1 – FTE Clean Water Coordinator for	\$130,000 per year	In 2022 the Lancaster Farmland Trust (LFT) completed 30 farm visits across the county. LFT also completed 20 farm visits in 2021. Agriculture Conservation Assistance Program (ACAP) was announced in the Pennsylvania State Budget in July of 2022. This program will provide all counties in Pennsylvania with funding totaling \$154 million over the next 3-years to support Ag project implementation and technical assistance needs. The Chesapeake Conservancy was awarded \$10 million in RCPP funding to support technical assistance and BMF implementation to Snyder County. Additionally, the Conservancy submitted a Growing Greener application to increase technical assistance in the Rapid Delisting Watersheds in Snyder County. 2023: In 2023 the Lancaster Farmland Trust (LFT) will complete 25 farm visits across the county. LFT also completed 20 farm visits in 2021 and 30 farm visits in 2022.
864 farms exist in Snyder	reporting. In order to communicate effectively with the farming community one on one farmer outreach must be conducted. Work to document Act 38 and preserved farms	farmers, preserved farms, integrators, Ag			Private sector Ag plans are not required to be shared with District staff. Work with Act 38, preserved farms and organic farms to report Ag E&S and NRCS Conservation Plans. These operations are required to have them, but no requirement to report the plans. It is	visits per year	Chesapeake Bay Technician	construction Services 3 – FTE Design, Permit construction Services 1 – FTE Clean Water Coordinator for Conservation	\$130,000 per year	In 2022 the Lancaster Farmland Trust (LFT) completed 30 farm visits across the county. LFT also completed 20 farm visits in 2021. Agriculture Conservation Assistance Program (ACAP) was announced in the Pennsylvania State Budget in July of 2022. This program will provide all counties in Pennsylvania with funding totaling \$154 million over the next 3-years to support Ag project implementation and technical assistance needs. The Chesapeake Conservancy was awarded \$10 million in RCPP funding to support technical assistance and BMF implementation to Snyder County. Additionally, the Conservancy submitted a Growing Greener application to increase technical assistance in the Rapid Delisting Watersheds in Snyder County. 2023: In 2023 the Lancaster Farmland Trust (LFT) will complete 25 farm visits across the county. LFT also completed 20 farm visits in 2021 and 30 farm visits in 2022. The first year of the ACAP program in Snyder County identified three projects that have been contracted for
864 farms exist in Snyder	reporting. In order to communicate effectively with the farming community one on one farmer outreach must be conducted. Work to document Act 38 and preserved farms	farmers, preserved farms, integrators, Ag			Private sector Ag plans are not required to be shared with District staff. Work with Act 38, preserved farms and organic farms to report Ag E&S and NRCS Conservation Plans. These operations are required to have them, but no requirement to report the plans. It is recommended state	visits per year	Chesapeake Bay Technician	construction Services 3 – FTE Design, Permit construction Services 1 – FTE Clean Water Coordinator for Conservation	\$130,000 per year	In 2022 the Lancaster Farmland Trust (LFT) completed 30 farm visits across the county. LFT also completed 20 farm visits in 2021. Agriculture Conservation Assistance Program (ACAP) was announced in the Pennsylvania State Budget in July of 2022. This program will provide all counties in Pennsylvania with funding totaling \$154 million over the next 3-years to support Ag project implementation and technical assistance needs. The Chesapeake Conservancy was awarded \$10 million in RCPP funding to support technical assistance and BMF implementation to Snyder County. Additionally, the Conservancy submitted a Growing Greener application to increase technical assistance in the Rapid Delisting Watersheds in Snyder County. 2023: In 2023 the Lancaster Farmland Trust (LFT) will complete 25 farm visits across the county. LFT also completed 20 farm visits in 2021 and 30 farm visits in 2022.
864 farms exist in Snyder	reporting. In order to communicate effectively with the farming community one on one farmer outreach must be conducted. Work to document Act 38 and preserved farms	farmers, preserved farms, integrators, Ag			Private sector Ag plans are not required to be shared with District staff. Work with Act 38, preserved farms and organic farms to report Ag E&S and NRCS Conservation Plans. These operations are required to have them, but no requirement to report the plans. It is recommended state agencies make changes to	visits per year	Chesapeake Bay Technician	construction Services 3 – FTE Design, Permit construction Services 1 – FTE Clean Water Coordinator for Conservation District	\$130,000 per year	In 2022 the Lancaster Farmland Trust (LFT) completed 30 farm visits across the county. LFT also completed 20 farm visits in 2021. Agriculture Conservation Assistance Program (ACAP) was announced in the Pennsylvania State Budget in July of 2022. This program will provide all counties in Pennsylvania with funding totaling \$154 million over the next 3-years to support Ag project implementation and technical assistance needs. The Chesapeake Conservancy was awarded \$10 million in RCPP funding to support technical assistance and BMP implementation to Snyder County. Additionally, the Conservancy submitted a Growing Greener application to increase technical assistance in the Rapid Delisting Watersheds in Snyder County. 2023: In 2023 the Lancaster Farmland Trust (LFT) will complete 25 farm visits across the county. LFT also completed 20 farm visits in 2021 and 30 farm visits in 2022. The first year of the ACAP program in Snyder County identified three projects that have been contracted for implementation through the County's program.
864 farms exist in Snyder	reporting. In order to communicate effectively with the farming community one on one farmer outreach must be conducted. Work to document Act 38 and preserved farms	farmers, preserved farms, integrators, Ag			Private sector Ag plans are not required to be shared with District staff. Work with Act 38, preserved farms and organic farms to report Ag E&S and NRCS Conservation Plans. These operations are required to have them, but no requirement to report the plans. It is recommended state agencies make changes to Act 38 and preserved farm	visits per year	Chesapeake Bay Technician	construction Services 3 – FTE Design, Permit construction Services 1 – FTE Clean Water Coordinator for Conservation District 1 – administrative	\$130,000 per year	In 2022 the Lancaster Farmland Trust (LFT) completed 30 farm visits across the county. LFT also completed 20 farm visits in 2021. Agriculture Conservation Assistance Program (ACAP) was announced in the Pennsylvania State Budget in July of 2022. This program will provide all counties in Pennsylvania with funding totaling \$154 million over the next 3-years to support Ag project implementation and technical assistance needs. The Chesapeake Conservancy was awarded \$10 million in RCPP funding to support technical assistance and BMP implementation to Snyder County. Additionally, the Conservancy submitted a Growing Greener application to increase technical assistance in the Rapid Delisting Watersheds in Snyder County. 2023: In 2023 the Lancaster Farmland Trust (LFT) will complete 25 farm visits across the county. LFT also completed 20 farm visits in 2021 and 30 farm visits in 2022. The first year of the ACAP program in Snyder County identified three projects that have been contracted for implementation through the County's program. The first year of the Chesapeake Conservancy's RCPP partnership in Snyder County identified two projects that
864 farms exist in Snyder	reporting. In order to communicate effectively with the farming community one on one farmer outreach must be conducted. Work to document Act 38 and preserved farms	farmers, preserved farms, integrators, Ag			Private sector Ag plans are not required to be shared with District staff. Work with Act 38, preserved farms and organic farms to report Ag E&S and NRCS Conservation Plans. These operations are required to have them, but no requirement to report the plans. It is recommended state agencies make changes to Act 38 and preserved farm programs to require	visits per year	Chesapeake Bay Technician	construction Services 3 – FTE Design, Permit construction Services 1 – FTE Clean Water Coordinator for Conservation District 1 – administrative	\$130,000 per year	In 2022 the Lancaster Farmland Trust (LFT) completed 30 farm visits across the county. LFT also completed 20 farm visits in 2021. Agriculture Conservation Assistance Program (ACAP) was announced in the Pennsylvania State Budget in July of 2022. This program will provide all counties in Pennsylvania with funding totaling \$154 million over the next 3-years to support Ag project implementation and technical assistance needs. The Chesapeake Conservancy was awarded \$10 million in RCPP funding to support technical assistance and BMP implementation to Snyder County. Additionally, the Conservancy submitted a Growing Greener application to increase technical assistance in the Rapid Delisting Watersheds in Snyder County. 2023: In 2023 the Lancaster Farmland Trust (LFT) will complete 25 farm visits across the county. LFT also completed 20 farm visits in 2021 and 30 farm visits in 2022. The first year of the ACAP program in Snyder County identified three projects that have been contracted for implementation through the County's program.
864 farms exist in Snyder	reporting. In order to communicate effectively with the farming community one on one farmer outreach must be conducted. Work to document Act 38 and preserved farms	farmers, preserved farms, integrators, Ag			Private sector Ag plans are not required to be shared with District staff. Work with Act 38, preserved farms and organic farms to report Ag E&S and NRCS Conservation Plans. These operations are required to have them, but no requirement to report the plans. It is recommended state agencies make changes to Act 38 and preserved farm programs to require	visits per year	Chesapeake Bay Technician	construction Services 3 – FTE Design, Permit construction Services 1 – FTE Clean Water Coordinator for Conservation District 1 – administrative	\$130,000 per year	In 2022 the Lancaster Farmland Trust (LFT) completed 30 farm visits across the county. LFT also completed 20 farm visits in 2021. Agriculture Conservation Assistance Program (ACAP) was announced in the Pennsylvania State Budget in July of 2022. This program will provide all counties in Pennsylvania with funding totaling \$154 million over the next 3-years to support Ag project implementation and technical assistance needs. The Chesapeake Conservancy was awarded \$10 million in RCPP funding to support technical assistance and BMF implementation to Snyder County. Additionally, the Conservancy submitted a Growing Greener application to increase technical assistance in the Rapid Delisting Watersheds in Snyder County. 2023: In 2023 the Lancaster Farmland Trust (LFT) will complete 25 farm visits across the county. LFT also completed 20 farm visits in 2021 and 30 farm visits in 2022. The first year of the ACAP program in Snyder County identified three projects that have been contracted for implementation through the County's program. The first year of the Chesapeake Conservancy's RCPP partnership in Snyder County identified two projects that

1.5A	Susquehanna University Partnership - Implementatio n	Develop undergraduate and graduate students to support staff with implementation. Work with University students and staff to support 319 WIP implementation.	Susquehanna University – Professors: Matt Wilson	319 Priority Watershed Riparian properties Preserved farms Priority Corridor Watersheds - Susqueheck a, North Selinsgrove Creek, West Branch Mahantang o, Northwest	Continued undergraduate/graduate engagement as students graduate through program, implementation funding Lack of technical assistance professionals to mentor students Lack of competitive paying job opportunities that ensure long term sustainable for recently graduated students		N/A	5 – Student Internships to Support CAP Implementation	\$50,000 2024: SCCD continues to participate in the Chesapeake Conservancy's RCPP grant program (housed at Susquehanna University). Beyond participating in Steering Committee and partner meetings, the gran program has funded projects on 2 farms including two HUA projects and one Manure Storage project. One additional project is planned for 2025. 2023: SCCD continues to work with interns through the Chesapeake Conservancy who are housed at Susquehanna University. 2022: The Foundation for PA Watersheds applied to National Fish and Wildlife Foundation Most Effective Basins for Phase 2 of BMP Verification. Phase 2 would include funding to support internships for Susquehanna University students working with the Snyder County Conservation District to document and verify BMPs into PracticeKeeper. Interns would be provided for 2023 and 2024. Susquehanna University has been involved in writing the Middle Creek 319 WIP. The grant was not awarded.
1.5B	Quantify Land/BMPs Managed by Susquehanna University	Work with Susquehanna University to ensure that water quality improvements that they manage are captured in PK/FieldDoc	Susquehanna University (SU)	Branch Mahantang o	2 Getting maximum credits for experimental BMPs	Institution al knowledge		5 – Student Internships to Support CAP Implementation	\$50,000 2024: HRG obtained details on projects implemented at Susquehanna University and reported each in FieldDoc. These projects included 4 acres of conservation landscaping and 1.5 acres of multifunctional buffers. 2023: Susquehanna asked for a letter of support of a GG for some stream side work. There may be BMPs being implemented based on grant funding awards. 2022: No progress to date.

1.6A Davolon a	Davidon massages and audiences execute plan and	Board of	Countywide	2022	Simplifying the resources	Website	¢20,000 por year	2024: SCCD is hosting a Manura Injection Field Day at Faylor Lake in Contember of 2024, SCCD
1.6A Develop a	Develop messages and audience; execute plan and		Countywide				\$30,000 per year	2024: SCCD is hosting a Manure Injection Field Day at Faylor Lake in September of 2024. SCCD
	distribute messaging through staff and partners.	Commissioners		develop	that are available	development and		continues to utilize social media, its website, and outreach at local fairs to communicate to the public.
Water quality	LUCTO The Control of	staff,		local		continued		SCCD Staff also participates in Envirothon and other educational opportunities in County to discuss the
	Utilize the Snyder County website as a source of	PA DEP		content,		maintenance		importance of water quality.
, ,	consistent communication, website development is	Northcentral		timing,				
existing	underway.	Office,		identify			\$130,000 per year	LFT plans to visit 12 farms by the end of 2024.
documents and		Penn State		responsible		and Outreach		
covering topics		Extension (Master		staff		Coordinator		2023: SCCD utilizes social media, its website, and outreach at local fairs to communicate to the public.
including		Gardeners),						SCCD Staff also participates in Envirothon and other educational opportunities in County to discuss the
Comprehensive	e	PA Rural Water				1 – FTE Clean	\$130,000 per year	importance of water quality.
Plan,		Association,				Water		
Greenways		Trout Unlimited,				Coordinator for		2022 : The Union County GIS team is developing a joint website for both Snyder and Union Counties to
Plan, Act 167,		Penns Creek				Planning		utilize for outreach efforts. Included in the website will be a tool to enter project opportunities, along
Middle Creek		Watershed				Commission		with more information about the CAPs. HRG is developing a messaging schedule for timely outreach
319 etc.		Association,						newsletter articles and social media post. HRG will support in drafting public outreach pieces.
		Watershed						
		Association,						
		USDA-NRCS,						
		DCNR,						
		Susquehanna						
		University, SCCD						
		,,						
1.6B* Agricultural	One on one farm outreach is the best way to	SCCD, County	Countywide	2022-2025	Funding to support the	6 – additional Ag	\$780,000 per year	2024: SCCD will host an AG BMP bus tour in Fall of 2024.
Communicatio	communicate with farmers. Work to develop a plan	Farm Bureau,			technical assistance	Planners to		
n Strategy	to complete one on one farm visits.	Integrators, Ag			required to complete one	provide technical		LFT is conducting 12 farm site visits in the Fall of 2024 to propose BMPs on farms and gather
		Land Preservation,			on one farm outreach.	assistance and ag		preliminary information on operations to setup engineer's Inventory an Evaluations (I&Es).
	Work to develop a communication plan to engage	PSU Extension,				planning		
	integrators to work with their producers.	NRCS, 4R Alliance,			Outreach to integrators is a			The District continues to incorporate farm visits into its communication strategy. It also continues to
		Young Farmers,			challenge due to the	1 – FTE Marketing	\$130,000 per year	send out a District Newsletter, Facebook postings, and posts in the Snyder County Times to conduct ag
	Partner with pesticide meetings, young farmers and	Pesticide Meetings	5		number of integrators and	and Outreach		outreach to promote winter ag Meeting, BMP surveys, buffer funding, ag compliance, soil health field
	other ag meetings to provide information.				multiple country	Coordinator		day event, BMP implementation, and manure management workshops. Education and outreach
					boundaries they serve. It is			continues to be a focus of the Conservation District.
	Utilize Farm Bureau Newsletter for announcements				recommended	1 – FTE Clean	\$130,000 per year	
					DEP/PDA/SCC	Water		2023: The District continues to incorporate farm visits into its communication strategy. It also
					communicate with	Coordinator for		continues to send out a District Newsletter, Facebook postings, and posts in the Snyder County Times
					integrators on a frequent	Conservation	See 1.6A for	to conduct ag outreach to promote winter ag Meeting, BMP surveys, buffer funding, ag compliance,
					basis to reduce mixed		website costs.	soil health field day event, BMP implementation, and manure management workshops. Education and
					messages.			outreach continues to be a focus of the Conservation District.
					55546551		Costs for meeting	The same same same same same same same sam
								2022 : Farm visits have been utilized to conduct outreach to farmers about the Countywide Action Plan.
							administration	In 2021 15 farm visits were conducted and in 2022 an additional 25 visits were completed. The
								· ·
							would be covered	Foundation for Pennsylvania Watersheds submitted a Growing Greener grant titled 12-County
							through other	Investment to Catalyze Agricultural Project Readiness that would support rapid scaling up of farm visits
							funding requests.	within Snyder County. Scaling up of farm visits would allow for additional outreach to occur.
								Construction District and a District No. 1000 Sector 1
								Conservation District sent out a District Newsletter, Facebook postings, and posted in Snyder County
								Times to conduct ag outreach to promote winter ag Meeting, BMP surveys, buffer funding, ag
								compliance, soil health field day event, BMP implementation, and manure management workshops.
								Education and outreach continues to be a focus of the Conservation District.

					Priority Initiative			racking		
_	Expand use of existing buffer layer with urban	Lead - Chesapeake				Precision		Further GIS and	\$46,000 (2022	2024: BMP verification is happening in conjunction with the Chesapeake Bay outreach program. 50
cataloguing	hydrology layer	Conservancy		cataloguing	approach, further refine	Conservati		data	only)	individual inspections were completed in 2024.
(quantity and					guidance in QAPP so that	on Tools		processing/metho		
location) for	R&D into distinguishing ag, pasture, and turf covers	Stakeholder peer		2023 –	counties can accomplish			d refinement		2023: District Technicians have verification integrated into PK reporting. Techs are also reviewing old
select BMPs,	from grassed buffers	review –		Practice	this or so that the state can	General				projects and entering them into PK.
expanding on		Susquehanna		Keeper	take the burden off of	methodol		5 – Student	\$50,000	
general	Manual digitizing where leaf-off <1 ft resolution	University, USGS,		batch	counties, utilize the	ogy		Internships to		2022 : In April of 2022, the Foundation for PA Watersheds applied to the National Fish and Wildlife
recommendati	imagery is available	Farm Bureau,		upload	approach to catalogue	outline		Support CAP		Foundation Most Effective Basins grant application to support Phase 2 of a remote sensing analysis.
ons provided in	<u> </u>	PDA, EPA		processing	existing BMPs and do on			Implementation		Phase 2 of the analysis would support analysis focusing on six priority BMPs including: Barnyard Runo
	Back check with staff field views where required	,		and field		BMP field				Controls, Animal Waste Management Systems, Forest Buffers, Grassed Waterways, Streambank
				views	ŭ	backcheck				Exclusion Fencing, and Wet Ponds/Detention Basins. Remote sensing efforts would take place in the
BMPs = forest	Add data to Practice Keeper or another batch upload			Views	reporting purposes, this is	Duckericek				Middle Creek Watershed. A BMP Verification Quick Guide is being developed by HRG to assist with
	option (FieldDoc)				an accelerated BMP catch			6 – additional Ag	\$780,000 per year	
	option (Fieldboc)								\$780,000 per year	niela verincation errorts. The grant was not awarded.
forest buffers,					up approach while we			Planners to		la coniunation vith cita vicita conducted by the Languages Fermi and Tour 20 years blooking vicitations
grass buffers,					continue to provide support			provide technical		In conjunction with site visits conducted by the Lancaster Farmland Trust, 30 possible sites were
urban grass					to farmers on planning and			assistance and		identified to verify BMPs in Snyder County. Those sites were visited in November of 2022 and the
buffers,					BMP installs, reduce the			verification		results were entered into PracticeKeeper.
manure					amount of interruption of			support		
storages,					government entities to					
grassed					compliant farm operations					
waterways,										
wet ponds and										
wetlands,										
fencing										
Identify future	BMP opportunity analysis – ag conservation, land	Lead - Chesapeake	Countywide	2022 –	Different data set	Precision	N/A	5 – Student	\$50,000	2024: No progress to date.
ag/urban	retirement, alternative crop, forest conservation,	Conservancy		cataloguing	scales/precision	Conservati		Internships to		
project	stream restoration				•	on Tools		Support CAP		2023: As a part of the Chesapeake Conservancy's Cooperative Agreement with the Chesapeake Bay
opportunities		Stakeholder peer		2023 –				Implementation		Program the CIC has been working to adopt the UCDA Agricultural Consequation Planning Francework
1 1				2023 -				IIIIpieilielitation		Program, the CiC has been working to adapt the USDA Agricultural Conservation Planning Framewor
	Back check with staff field views	review –				Batch		implementation		
Ŭ	Back check with staff field views	review – Susquehanna		batch		Batch upload		Implementation		(ACPF) toolbox and produce its related GIS conservation practice opportunity outputs for the entire
sensing		Susquehanna		batch upload		upload		Implementation		(ACPF) toolbox and produce its related GIS conservation practice opportunity outputs for the entire watershed. The toolbox outputs a suite of NRCS agricultural practice opportunities at the field scale -
sensing	Batch upload to FieldDoc to calculate credit	Susquehanna University, USGS,		batch upload processing				implementation		(ACPF) toolbox and produce its related GIS conservation practice opportunity outputs for the entire watershed. The toolbox outputs a suite of NRCS agricultural practice opportunities at the field scale some have direct equivalents to Bay Program BMPs, while others do not. Since there are many
sensing		Susquehanna University, USGS, Farm Bureau,		batch upload processing and field		upload processing		ппретепсацоп		(ACPF) toolbox and produce its related GIS conservation practice opportunity outputs for the entire watershed. The toolbox outputs a suite of NRCS agricultural practice opportunities at the field scale some have direct equivalents to Bay Program BMPs, while others do not. Since there are many assumptions made to produce these opportunity footprints across the entire watershed, they are no
sensing	Batch upload to FieldDoc to calculate credit	Susquehanna University, USGS,		batch upload processing		upload processing BMP field		ппретептацоп		(ACPF) toolbox and produce its related GIS conservation practice opportunity outputs for the entire watershed. The toolbox outputs a suite of NRCS agricultural practice opportunities at the field scale some have direct equivalents to Bay Program BMPs, while others do not. Since there are many assumptions made to produce these opportunity footprints across the entire watershed, they are no intended to be ground truth and should only serve as a high level reference for helping to plan efforts
sensing	Batch upload to FieldDoc to calculate credit	Susquehanna University, USGS, Farm Bureau,		batch upload processing and field views		upload processing		претепсатоп		(ACPF) toolbox and produce its related GIS conservation practice opportunity outputs for the entire watershed. The toolbox outputs a suite of NRCS agricultural practice opportunities at the field scale some have direct equivalents to Bay Program BMPs, while others do not. Since there are many assumptions made to produce these opportunity footprints across the entire watershed, they are no intended to be ground truth and should only serve as a high level reference for helping to plan efforts in combination with expert on-the-ground input. The outputs are expected to be publicly available
sensing	Batch upload to FieldDoc to calculate credit	Susquehanna University, USGS, Farm Bureau,		batch upload processing and field views 2024 –		upload processing BMP field		претепсасоп		(ACPF) toolbox and produce its related GIS conservation practice opportunity outputs for the entire watershed. The toolbox outputs a suite of NRCS agricultural practice opportunities at the field scale some have direct equivalents to Bay Program BMPs, while others do not. Since there are many assumptions made to produce these opportunity footprints across the entire watershed, they are no intended to be ground truth and should only serve as a high level reference for helping to plan effort.
sensing	Batch upload to FieldDoc to calculate credit	Susquehanna University, USGS, Farm Bureau,		batch upload processing and field views 2024 – 2025 –		upload processing BMP field		претепсатоп		(ACPF) toolbox and produce its related GIS conservation practice opportunity outputs for the entire watershed. The toolbox outputs a suite of NRCS agricultural practice opportunities at the field scale some have direct equivalents to Bay Program BMPs, while others do not. Since there are many assumptions made to produce these opportunity footprints across the entire watershed, they are no intended to be ground truth and should only serve as a high level reference for helping to plan effort in combination with expert on-the-ground input. The outputs are expected to be publicly available after June 2024.
sensing	Batch upload to FieldDoc to calculate credit	Susquehanna University, USGS, Farm Bureau,		batch upload processing and field views 2024 – 2025 – implement		upload processing BMP field		претепсатоп		(ACPF) toolbox and produce its related GIS conservation practice opportunity outputs for the entire watershed. The toolbox outputs a suite of NRCS agricultural practice opportunities at the field scale some have direct equivalents to Bay Program BMPs, while others do not. Since there are many assumptions made to produce these opportunity footprints across the entire watershed, they are no intended to be ground truth and should only serve as a high level reference for helping to plan efforts in combination with expert on-the-ground input. The outputs are expected to be publicly available
sensing	Batch upload to FieldDoc to calculate credit	Susquehanna University, USGS, Farm Bureau,		batch upload processing and field views 2024 – 2025 –		upload processing BMP field		претепсатоп		(ACPF) toolbox and produce its related GIS conservation practice opportunity outputs for the entire watershed. The toolbox outputs a suite of NRCS agricultural practice opportunities at the field scale some have direct equivalents to Bay Program BMPs, while others do not. Since there are many assumptions made to produce these opportunity footprints across the entire watershed, they are no intended to be ground truth and should only serve as a high level reference for helping to plan effort in combination with expert on-the-ground input. The outputs are expected to be publicly available after June 2024.
sensing	Batch upload to FieldDoc to calculate credit	Susquehanna University, USGS, Farm Bureau,		batch upload processing and field views 2024 – 2025 – implement		upload processing BMP field		претепсатоп		(ACPF) toolbox and produce its related GIS conservation practice opportunity outputs for the entire watershed. The toolbox outputs a suite of NRCS agricultural practice opportunities at the field scale some have direct equivalents to Bay Program BMPs, while others do not. Since there are many assumptions made to produce these opportunity footprints across the entire watershed, they are no intended to be ground truth and should only serve as a high level reference for helping to plan effort in combination with expert on-the-ground input. The outputs are expected to be publicly available after June 2024.
sensing	Batch upload to FieldDoc to calculate credit opportunity	Susquehanna University, USGS, Farm Bureau, PDA,		batch upload processing and field views 2024 – 2025 – implement ation focus		upload processing BMP field verify				(ACPF) toolbox and produce its related GIS conservation practice opportunity outputs for the entire watershed. The toolbox outputs a suite of NRCS agricultural practice opportunities at the field scale some have direct equivalents to Bay Program BMPs, while others do not. Since there are many assumptions made to produce these opportunity footprints across the entire watershed, they are no intended to be ground truth and should only serve as a high level reference for helping to plan effort in combination with expert on-the-ground input. The outputs are expected to be publicly available after June 2024. 2022: No progress to date.
sensing Develop a local	Batch upload to FieldDoc to calculate credit opportunity Add development related BMPs to PK/FieldDoc so	Susquehanna University, USGS, Farm Bureau, PDA, Municipal	Urban/subu	batch upload processing and field views 2024 – 2025 – implement ation focus	Currently municipalities are	upload processing BMP field verify		Training	N/A	(ACPF) toolbox and produce its related GIS conservation practice opportunity outputs for the entire watershed. The toolbox outputs a suite of NRCS agricultural practice opportunities at the field scale some have direct equivalents to Bay Program BMPs, while others do not. Since there are many assumptions made to produce these opportunity footprints across the entire watershed, they are no intended to be ground truth and should only serve as a high level reference for helping to plan effort in combination with expert on-the-ground input. The outputs are expected to be publicly available after June 2024.
Develop a local system to	Batch upload to FieldDoc to calculate credit opportunity Add development related BMPs to PK/FieldDoc so that as land use data sets are updated, there are	Susquehanna University, USGS, Farm Bureau, PDA, Municipal engineers,	Urban/subu rban	batch upload processing and field views 2024 – 2025 – implement ation focus	Currently municipalities are not collecting BMP data	upload processing BMP field verify		Training		(ACPF) toolbox and produce its related GIS conservation practice opportunity outputs for the entire watershed. The toolbox outputs a suite of NRCS agricultural practice opportunities at the field scale some have direct equivalents to Bay Program BMPs, while others do not. Since there are many assumptions made to produce these opportunity footprints across the entire watershed, they are no intended to be ground truth and should only serve as a high level reference for helping to plan effort in combination with expert on-the-ground input. The outputs are expected to be publicly available after June 2024. 2022: No progress to date.
Develop a local system to capture data	Batch upload to FieldDoc to calculate credit opportunity Add development related BMPs to PK/FieldDoc so	Susquehanna University, USGS, Farm Bureau, PDA, Municipal engineers, Chesapeake	Urban/subu	batch upload processing and field views 2024 – 2025 – implement ation focus	Currently municipalities are not collecting BMP data because it is not required in	upload processing BMP field verify		Training 5 – Student		(ACPF) toolbox and produce its related GIS conservation practice opportunity outputs for the entire watershed. The toolbox outputs a suite of NRCS agricultural practice opportunities at the field scale some have direct equivalents to Bay Program BMPs, while others do not. Since there are many assumptions made to produce these opportunity footprints across the entire watershed, they are no intended to be ground truth and should only serve as a high level reference for helping to plan effort in combination with expert on-the-ground input. The outputs are expected to be publicly available after June 2024. 2022: No progress to date.
Develop a local system to capture data collection on	Batch upload to FieldDoc to calculate credit opportunity Add development related BMPs to PK/FieldDoc so that as land use data sets are updated, there are	Susquehanna University, USGS, Farm Bureau, PDA, Municipal engineers, Chesapeake Conservancy,	Urban/subu rban	batch upload processing and field views 2024 – 2025 – implement ation focus	Currently municipalities are not collecting BMP data because it is not required in non-MS4 communities.	upload processing BMP field verify		Training 5 – Student Internships to		(ACPF) toolbox and produce its related GIS conservation practice opportunity outputs for the entire watershed. The toolbox outputs a suite of NRCS agricultural practice opportunities at the field scale some have direct equivalents to Bay Program BMPs, while others do not. Since there are many assumptions made to produce these opportunity footprints across the entire watershed, they are no intended to be ground truth and should only serve as a high level reference for helping to plan effort in combination with expert on-the-ground input. The outputs are expected to be publicly available after June 2024. 2022: No progress to date. 2023: No progress to date.
Develop a local system to capture data collection on urban	Batch upload to FieldDoc to calculate credit opportunity Add development related BMPs to PK/FieldDoc so that as land use data sets are updated, there are	Susquehanna University, USGS, Farm Bureau, PDA, Municipal engineers, Chesapeake Conservancy, Central Keystone	Urban/subu rban	batch upload processing and field views 2024 – 2025 – implement ation focus	Currently municipalities are not collecting BMP data because it is not required in non-MS4 communities. Must incentivize	upload processing BMP field verify		Training 5 – Student Internships to Support CAP		(ACPF) toolbox and produce its related GIS conservation practice opportunity outputs for the entire watershed. The toolbox outputs a suite of NRCS agricultural practice opportunities at the field scale some have direct equivalents to Bay Program BMPs, while others do not. Since there are many assumptions made to produce these opportunity footprints across the entire watershed, they are no intended to be ground truth and should only serve as a high level reference for helping to plan effort in combination with expert on-the-ground input. The outputs are expected to be publicly available after June 2024. 2022: No progress to date. 2023: No progress to date. 2023: No progress to date.
Develop a local system to capture data collection on urban structural and	Batch upload to FieldDoc to calculate credit opportunity Add development related BMPs to PK/FieldDoc so that as land use data sets are updated, there are	Susquehanna University, USGS, Farm Bureau, PDA, Municipal engineers, Chesapeake Conservancy,	Urban/subu rban	batch upload processing and field views 2024 – 2025 – implement ation focus	Currently municipalities are not collecting BMP data because it is not required in non-MS4 communities. Must incentivize communities to report,	upload processing BMP field verify		Training 5 – Student Internships to		(ACPF) toolbox and produce its related GIS conservation practice opportunity outputs for the entire watershed. The toolbox outputs a suite of NRCS agricultural practice opportunities at the field scale some have direct equivalents to Bay Program BMPs, while others do not. Since there are many assumptions made to produce these opportunity footprints across the entire watershed, they are no intended to be ground truth and should only serve as a high level reference for helping to plan effort in combination with expert on-the-ground input. The outputs are expected to be publicly available after June 2024. 2022: No progress to date. 2023: No progress to date. 2023: No progress to date. 2020: The Foundation for Pennsylvania Watersheds applied for a NFWF Most Effective Basins grant in April of 2022 to support Phase 2 of BMP verification remote sensing analysis. Phase 2 would include
Develop a local system to capture data collection on urban	Batch upload to FieldDoc to calculate credit opportunity Add development related BMPs to PK/FieldDoc so that as land use data sets are updated, there are	Susquehanna University, USGS, Farm Bureau, PDA, Municipal engineers, Chesapeake Conservancy, Central Keystone	Urban/subu rban	batch upload processing and field views 2024 – 2025 – implement ation focus	Currently municipalities are not collecting BMP data because it is not required in non-MS4 communities. Must incentivize	upload processing BMP field verify		Training 5 – Student Internships to Support CAP		(ACPF) toolbox and produce its related GIS conservation practice opportunity outputs for the entire watershed. The toolbox outputs a suite of NRCS agricultural practice opportunities at the field scale some have direct equivalents to Bay Program BMPs, while others do not. Since there are many assumptions made to produce these opportunity footprints across the entire watershed, they are no intended to be ground truth and should only serve as a high level reference for helping to plan effort in combination with expert on-the-ground input. The outputs are expected to be publicly available after June 2024. 2022: No progress to date. 2023: No progress to date. 2024: The Foundation for Pennsylvania Watersheds applied for a NFWF Most Effective Basins grant in April of 2022 to support Phase 2 of BMP verification remote sensing analysis. Phase 2 would include analyzing wet ponds and detention basins in urban areas across Snyder County. PA DEP has updated
Develop a local system to capture data collection on urban structural and	Batch upload to FieldDoc to calculate credit opportunity Add development related BMPs to PK/FieldDoc so that as land use data sets are updated, there are	Susquehanna University, USGS, Farm Bureau, PDA, Municipal engineers, Chesapeake Conservancy, Central Keystone Council of	Urban/subu rban	batch upload processing and field views 2024 – 2025 – implement ation focus	Currently municipalities are not collecting BMP data because it is not required in non-MS4 communities. Must incentivize communities to report,	upload processing BMP field verify		Training 5 – Student Internships to Support CAP		(ACPF) toolbox and produce its related GIS conservation practice opportunity outputs for the entire watershed. The toolbox outputs a suite of NRCS agricultural practice opportunities at the field scale some have direct equivalents to Bay Program BMPs, while others do not. Since there are many assumptions made to produce these opportunity footprints across the entire watershed, they are no intended to be ground truth and should only serve as a high level reference for helping to plan effort in combination with expert on-the-ground input. The outputs are expected to be publicly available after June 2024. 2022: No progress to date. 2023: No progress to date. 2023: No progress to date. 2020: The Foundation for Pennsylvania Watersheds applied for a NFWF Most Effective Basins grant in April of 2022 to support Phase 2 of BMP verification remote sensing analysis. Phase 2 would include
Develop a local system to capture data collection on urban structural and non-structural	Batch upload to FieldDoc to calculate credit opportunity Add development related BMPs to PK/FieldDoc so that as land use data sets are updated, there are	Susquehanna University, USGS, Farm Bureau, PDA, Municipal engineers, Chesapeake Conservancy, Central Keystone Council of	Urban/subu rban	batch upload processing and field views 2024 – 2025 – implement ation focus	Currently municipalities are not collecting BMP data because it is not required in non-MS4 communities. Must incentivize communities to report, there is no existing system	upload processing BMP field verify		Training 5 – Student Internships to Support CAP		watershed. The toolbox outputs a suite of NRCS agricultural practice opportunities at the field scale—some have direct equivalents to Bay Program BMPs, while others do not. Since there are many assumptions made to produce these opportunity footprints across the entire watershed, they are not intended to be ground truth and should only serve as a high level reference for helping to plan efforts in combination with expert on-the-ground input. The outputs are expected to be publicly available after June 2024. 2022: No progress to date. 2023: No progress to date. 2022: The Foundation for Pennsylvania Watersheds applied for a NFWF Most Effective Basins grant in April of 2022 to support Phase 2 of BMP verification remote sensing analysis. Phase 2 would include analyzing wet ponds and detention basins in urban areas across Snyder County. PA DEP has updated

2.4*	mplement a	Support fertilizer legislation – where legislation-	PSU Extension	Countywide TBD	Education of responsible	TBD based	TBD based	1 - FTE Clean	\$130,000 per year	2022: On July 11, Governor Wolf signed SB 251, a bipartisan bill sponsored by Senator Gene Yaw (R)
	•	requires reporting, be the data clearinghouse		, , , , , , , , , , , , , , , , , , , ,	parties, receiving timely	on	on fertilizer		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	and Senator Carolyn Comitta (D), into law. Pennsylvania now has a law governing turfgrass fertilizer
	orogram for	, , ,			information, training on	fertilizer	legislation if	Coordinator for		application dates, practices, rates, and type of fertilizer used. We are uncertain on how documentation
	commercial	Legislation will support the implementation of Urban			reporting system, will need	legislation-	passed	Planning		and crediting will occur with the new bill.
ŧ	and-	Nutrient Management - 2,000 acres.			direction from State on-	if passed	·	Commission		
ŧ	nomeowner	-			what's expected and any				Urban Nutrient	
ř	nutrient				reporting system that's				Management \$10	
ŧ	applications in				developed.				per acre: \$20,000	
6	developed-									
ŧ	ands									
9	Support-									
€	current									
ŧ	egislation for a									
f	ertilizer bill.									

	BMP reporting utilizing PracticeKeeper, Capital RC&D Transect Survey, PSU Survey, Manure	Increase reporting of agriculture plans into PracticeKeeper Work with Capital RC&D to improve current transect survey routes to be more inclusive Work with PSU to produce better response rate to the PSU survey for Snyder County Work with PDA/DEP to improve manure transport reporting	DEP, SCCD, NRCS, PDA, NRCS, Snyder County Farm Bureau, Capital RC&D, Chesapeake Conservancy, PSU Survey, Manure Brokers	Countywide		Private sector ag planners do not have access to PracticeKeeper. Ag planners do not have time to report into PK. Current Capital RC&D routes are not all inclusive. Current response rates are low and miss a large demographic of Juniata County farmers. Manure brokers are not required to report data annually. Data is not inclusive.				\$50,000 – paid internships See 3.5 for funding needs to improve cover crop reporting for Capital RC&D	2024: HRG continues to assist CDs in better PracticeKeeper practices and kept them up to speed on best guidance from DEP. 2023: HRG assisted CDs in better PracticeKeeper practices and kept them up to speed on best guidance from DEP. 2022: In the Spring of 2022 HRG participated in a beta testing group for the PracticeKeeper 3rd Party Module. PADEP initially released the module in June of 2022 before recalling the system for additional bug fixes. Phase 2 of the BMP verification grant submitted by the Foundation for PA Watersheds includes budget for interns from Susquehanna University to enter BMPs into PracticeKeeper. Snyder County has been utilizing in-house staff as part of the \$30,000 for BMP verification to report "Old Bay Special Projects" into PracticeKeeper along with old and current Conservation and Nutrient Management Plans. LFT was subcontracted to complete 30 additional BMP verification and data entry into PracticeKeeper which was completed in Fall of 2022.
2.6 *	Standardized- Reporting for- Dairy Precision- Feeding	Counties would like to utilize the dairy precision-feeding BMP. However, current reporting guidelines-do not allow for clear reporting standards on feed-reduction amounts, how to report, and who is-qualified to report.	Chesapeake Bay Program, Penn State Extension, Dairy co-ops	Countywide	2022	It is recommended that- milk urea nitrogen (MUN) be an acceptable standard- for reporting dairy precision feeding. Guidelines need to- be posted on acceptable- MUN rates and work with- dairy integrators to receive- MUN data to report to DEP.		N/A	Reporting protocol	ŀ N/A	2022: No progress to date, reporting standards still remain an issue to utilize the BMP.
						Driarity Initiative 2. A	chiovo N	Dolluton	t Doductions		
	Snyder County Riparian Buffer Program from	Implement 10 acres of Riparian Forest Buffers Implement other Agriculture BMPs as needed such as Stream Fencing, Animal Crossings and Watering Facilities	SCCD	Snyder County ag land	2021-2022	Priority Initiative 3: A Having enough in-house technical assistance capacity to see projects from concept through construction	Design,	Received \$120,000 to be	1 – FTE Clean Water Coordinator for Conservation District	\$130,000 per year	 2024:SCCD will complete 10 acres of riparian buffer for the 2021 Growing Greener Buffer grant by Dec. 31, 2024. Furthermore, SCCD received a second GG riparian buffer grant that mimicked the 2021 grant to install 10 acres and supplemental ag BMPs. Currently, two projects have been identified for the 2024 GG buffer grant with a projected timeframe of fall 2024-summer 2025. 2023: Extension of the Growing Greener grant was granted through December, 2023. SCCD has applied for a new grant that mirrors the previous one. Buffer-centric projects continue to be difficult for landowners. 2022: Changing the scope to less buffer acreage, and more ag BMPs. Approximately six acres will be planted by December of 2023. The total acreage was dropped from 10 acres due to inflation affecting installation costs. Where buffers were included as part of a larger project, buffers were removed from project scope to allow for the installation of other BMPs.

2.2	Cinalina Middle	Develop and start implementing the level WID	Cuaruahanna	Lauran	WID	Funding landauman		Decima magnet	Catingated final	2024: CCCD is associating final approximation the 210 group submitted for a president leasted along the
3.2		Develop and start implementing the local WIP	Susquehanna	Lower	WIP	Funding, landowner		Design, permit,	Estimated, final	2024: SCCD is awaiting final announcement on the 319 grant submitted for a project located along the
	Creek 319		University, SCCD,	Middle	·	interest in BMPs,			numbers will be	Susquehecka Creek, Middle Creek Watershed. Announcement timeframe is anticipated to be fall 2024.
	Watershed		·		nt and	implementation partner		ŭ	submitted once	
	Implementatio		be identified in	Susqueheck		coordination.			plan is approved:	2023: SCCD submitted a 319 implementation grant for a stream restoration project in Middle Creek.
	n Plan		plan development	а	Fall 2021				\$500K per farm at	
				Watershed					\$1.5M per year >	2022: Middle Creek 319 grant finalized.
					Implement				\$7.5M over 5	
					ation Grant	:			years	\$435,000 Growing Greener Grant applied for Middle Creek AG E&S Plan writing and Cover Crop
					Application					Program
					- 2022					
					-see plan					\$20,000 NFWF MEB grant awarded for MMP and Ag E&S plan writing and New Cover Crop Acreage.
					when					g and provide the
					completed					\$32,000 Grant awarded to write Susquehecka 319 plan.
					and					752,000 Grant awarded to write Susqueneeka 515 plan.
										Plan was approved in Summer of 2022. Initial scene was reduced in size to a smaller watershed area
					approved					Plan was approved in Summer of 2022. Initial scope was reduced in size to a smaller watershed area.
										Explore options in 2023 to apply to 319 program for project funding.
					Partial					
					Implement					
					ation –					
					2023-2025					
3.3	Accelerated	Have identified four priority catchments.	Chesapeake	Headwaters	2022-2025	Gaining landowner interest,	Program	3 – additional FTE	\$390,000 per year	2024: See Action item 1.5A above.
	Implementatio	' <i>'</i>	Conservancy,	of		design/permit/construction	_	municipal/	, , ,	
		Have identified 3-10 parcels per priority catchment	SCCD and	Susqueheck		schedules, dedicated	ent and	environmental		2023: SCCD continues to work with the Chesapeake Conservancy to implement the Rapid Delistment
	Delisting	That's rachimed 5 15 parcers per priority cateriment	Precision	a Creek,		funding to support BMP	GIS	planners		Catchment Strategy. By working efficiently with the Conservancy's RCPP funds, SCCD has targeted
		Susquehecka Creek is priority number 1 with 3	Conservation	North		implementation, Lack of	0.5	planners		three Ag BMP projects within the catchment area. SCCD also attends regular leadership meetings with
			Partnership	Selinsgrove		technical assistance and	Landowne		\$100,000 dollars	RCPP and strategy meetings with the Conservancy for the Rapid Delisting efforts.
	O,	,	Stakeholders			engineering staff to support				RCPF and strategy meetings with the conservancy for the Rapid Delisting errorts.
	through the	implement	Stakenoluers	Creek, West			l outreach		to complete rapid	2022. Channally Cananiana, antiquants advance Bouid Balistina offents. In April the Cananiana
	Precision			-West		implementation.			delisting program	2022 : Chesapeake Conservancy continues to advance Rapid Delisting efforts. In April, the Conservancy
	Conservation			branch						applied for an RCPP application to support additional technical assistance and AG outreach. They
	Partnership			Mahantang					year: total cost	received the award in August for \$10 million across six central Pa counties.
				o Creek,					\$500,000	
				North –						In the spring the Conservancy applied to DCNR for West Branch Mahantango to fund rapid delisting
				west					Other funding	efforts.
				branch					identified in below	
				Mahantang					initiatives	The Conservancy contracted with Huntingdon County Watershed Specialist to perform Macro, habitat
				o Creek						and water chemistry monitoring in North Branch Mahantango.
				Watersheds						
										In the fall of 2022, due to the RCPP grant award, Snyder County was able to shift focus from the West
										Branch Mahantango to Potato Run for its rapid delisting catchment as it is believed there will be
										greater outreach and implementation success.
										B. Cart. Cart. and Implementation addeds.

and coverages If the control of the	3.4* Help farmers	Soil and Water Quality Conservation Plans (AG E&S)	4R Alliance SCCD	Countywide	2022-2023	Lack of DEP inspections.	Education	CRF grant	6 – additional Ag	\$780 000 per year	2024: SCCD Plans 2024 8 -Act 38 NMP
Pack of in Conglishord Conglishord Congression of Congression Co	· ·		Snyder County Farm	Δσland	2022 2023	Lack of DET Inspections.		_		7700,000 pci ycai	
with time and support of the same shape and control of the same sh	· ·	20,000 new deres		Ag Lana		Reporting and verification	и зарроге				
with sixt and modes Machine Ma		Nutrient Management (Manure Management)	Private Sector				50 farms		With farmers	\$15 per acre for a	· ·
residual production of Market	· ·		Agriculture Farm								· ·
More restricts with which and \$15 apprendix 12 Piles in Prince of American Challenge is continued from the deciman of the deci							· ·	/			
Montreet Position And Active Position And Active Position And Active Active Position And Active Acti		·	,				year	reciffician		\$300,000	
Management 1/8, and confidence organises and decimate plans Earlier's recurred 1/10 and protection 1						never entered.				¢15 man ages fama	
Plans An always received An always An always received An always An											
Implementation Challenges (continued) State approach mass work with imagenetic to country for partners. Sum of the programs and implementation and the continued of the programs and implementation and the continued of the programs and implementation and the continued of the programs and implementation and instruction		, ,,					2				1- Conservation Plan verified/reviewed totaling 93 acres.
In plant with control of Configures, Notice to Configures, State of Computer State of State State of Configures and State Stat	Plans	aiready required								\$217,500	
Processor of the second continues of the second cont			1								
Segment Difference by furners. Some integration requires continue, that on all great values of the controllance, but not all great values of the controllance by furners as well. It regards to require continues, that of all great values of the controllance by furners as well. It regards to require continues, but not all great values of the controllance by the furners as well. It requires the requirement of		,	·								
Ser frequing complance by large complance by an ending control of great with regiment requires an experiment of the prefer 3 a veril. O communicate with farmers 3 a veril.						one farm outreach is best					•
integrator require compliance, but not all, great way flower, Clack to to-communicate with farmers as well. Ochieve, Yunni, Clack to to-communicate with farmers as well. Ochieve, Yunni, Clack to to-communicate with farmers as well. Ochieve, Yunni, Clack to to-communicate with farmers as well. Ochieve, Yunni, Clack to the Act as and Processed Sommers and the Clack with a standard, which is a standard, which is a standard with a standard wi		are requiring compliance by farmers. Some				way to capture existing					6- MMPs Reviewed and verified totaling 1,169 acres.
October, Pyron, Productive with Turners as well. A 23 and Phresened Final Production of the Productio		integrators require compliance, but not all, great way	Poultry, Chick to			plans.					1- 590 NMP totaling 1,274 acres.
Act 38 and freserved Farms not require to enter plant in F. Recommendations to requirement that the factor of the plant in F. Recommendations to requirement for P. Recommendations to r		to communicate with farmers as well.									13- Ag E&S plans written totaling 870 acres.
Vaccines, Smithled lattickly Smith, As National Smith, and N						Act 38 and Preserved Farms	5				25- Ag E&S plans reviewed/verified totaling 780 acres.
28 farmers Require programs to enter plans into PK. Require Courty MPR file was exercised for plan writing in the Mailed Creck Wetenhold Male of the Weten Plans and Weten Clusters for Plans						not required to enter plans					17- Conservation Plan verified/reviewed totaling 1,450 acres.
Some County will be able to lake advantage of this opportunity to produce A pEAS and Mamagament Program to maximize opportunity and the program to maximize opportunity and the program of the program to maximize opportunity and the program of the			· ·			in PK, Recommendations to					
S.5. Advanced Nutrient Management DMFs through existing program and Management management plans, colorable and additional plans. 1.5. Advanced Nutrient Management DMFs through existing program and Management management plans, existing program and management plans, existing and considerable program and management plans, existing existing existing program and management plans, existing exist			38 farmers			require programs to enter					2022 : PACD recently announced their Growing Greener grant for Ag Plan Reimbursement. Farmers in
Advanced Naziment (48) Particle Education on the Implemental and visc. Proceeding the responsible process of the Spining and the Country of t											
4 Additional funding to supplemental nutrient management BMPs through existing programs and No. Provided Country and Street Cou											
## Allance, SCCD, Countywide 2022-2023 (andowner interest, BMP was finded for plan writing in the Middle Creek Watershed. Will support Management AGE RSP Plans. Submitted a Growing Greener grant in 2022 for an additional by June of 2023. Since January 2022 SCCD, revewed 804 acres of ACT 38 plans, wrote 553 as Maximum to the developed. Completed 90 visits large work of 18% practices with the countries of manure management plans, wrote 653 as a support a find the management BMPs through existing programs and limitatives. ### Allance, SCCD, Countywide 2022-2023 (andowner interest, BMP was finded and additional 57 acres. ### Action and Implementation in management BMPs through existing programs and implementation management plans and increase reporting of supplemental nutrient management plans and increase reporting of supplemental nutrient management plans and increase and incr											
2.3.5 Advanced Nutrient Management and AG E&S Plans. Submitted a Growing Greener grant in 2022 for an additional for the developed. Completed 50 visits between EAR plans warded for plan writing in the Middle Creek Watershed. Will support Management and AG E&S Plans. Submitted a Growing Greener grant in 2022 for an additional to be developed. Completed 50 visits between EAR plans, revified 51 areas. 4. Advanced Nutrient Management BMPs through existing programs and Implementation on Implementa											
2.3.5 Advanced Nutrient Management and AG E&S Plans. Submitted a Growing Greener grant in 2022 for an additional for to be developed. Completed 50 visits between EMP and vertical (annual). 1.3.5 Advanced Nutrient Management BMPs through existing programs and implementation on management that the management that implementation on the complete for with submit and the first of the country of the											From 2020 to 2021 progress scenario in CAST Spyder County has increased Soil and Water Quality
3.5 Advanced nor expertence reporting of supplemental nutrient Management BMPs through existing programs and implementation nor management BMPs through existing additional participants on the complex of the property of the											
3.5 Advanced Nutrient Management (AR) Practice (Education and Implementation on Crease exciting AR practice (FV) Rate, Placement, Timing by 3,283 3,000 acres and N. Timing by 15,500 3,000 acres of Chirophyl testing additional participants Advanced Nutrient Management (AR) Practice (FV) Rate, Placement, Timing by 3,283 3,000 acres and N. Timing by 15,500 3,000 acres of Chirophyl testing additional participants Advanced Nutrient Management (AR) Practice (FV) Rate, Placement, Timing by 3,283 3,000 acres and N. Timing by 15,500 3,000 acres of Chirophyl testing additional participants Advanced Nutrient Management (AR) Practice (FV) Rate, Placement, Timing by 3,283 3,000 acres and N. Timing by 15,000 acres of Chirophyl testing additional participants Advanced Nutrient Management (AR) Practice (FV) Rate, Placement, Timing by 3,283 3,000 acres and N. Timing by 15,000 acres of Chirophyl testing additional participants Advanced Nutrient Management (AR) Practice (FV) Rate, Placement, Timing by 3,283 3,000 acres and N. Timing by 15,000 acres of Chirophyl testing additional participants Advanced Nutrient Management (AR) Practice (FV) Rate, Placement, Timing by 3,283 3,000 acres and N. Timing by 15,000 acres of Chirophyl testing additional participants Advanced Nutrient Management (AR) Practice (FV) Rate, Placement, Timing by 3,283 3,000 acres and N. Timing by 15,000 acres (FSNT) or Chirophyl testing additional participants Advanced Nutrient Management (AR) Practice (FSNT) or Chirophyl testing additional participants Advanced Nutrient Management (AR) Practice (FSNT) or Chirophyl testing additional participants Advanced Nutrient Management (AR) Practice (FSNT) or Chirophyl testing additional participants Advanced Nutrient Management (AR) Practice (FSNT) or Chirophyl testing (AR) Practice											
Advanced Nutrient Management (AR) Practice Education and Implementation of the Chicrophyl testing additional participants Need to commission Again (Again and the processe existing 48 practice (M/P Rate, Placement, Timing by 4,5900 acres and Al Timing by 4,5900 acres and All Timing by 4,5900 acre											by 13,000 acres and core i increased by over 20,500 acres.
Advanced Nutrient Management (AR) Practice Education and Implementation of the Chicrophyl testing additional participants Need to commission Again (Again and the processe existing 48 practice (M/P Rate, Placement, Timing by 4,5900 acres and Al Timing by 4,5900 acres and All Timing by 4,5900 acre											2021 NEWE MER was awarded for plan writing in the Middle Creek Watershed, Will support Manure
3.5 Advanced Nanagement BMPs through existing programs and Initiatives. Alteriant Management BMPs through existing programs and Initiatives. Alteriant Management BMPs through existing programs and Initiatives. Alteriant Management BMPs through existing programs and Initiatives. A practice Education and Initiatives. A practice Initiative Init											
Advanced Nutrient (AB) Practice Education and Implementation in management plans and intensive implementation in new sets find groups and sufficient (BP) \$4.500 aspects) and \$4.500 aspects of											
Advanced Nutrient Management BMPs through existing programs and implementation nemagement plans and inecessive implementation necesses existing 4R practice (N/P Rate, Placement, Timing by 2,520 3,000 acrees) Increase pre-side dress nitrogen test (PSNT) or Chlorophyl testing additional participants											
4 Additionally Scot increase erporting of supplemental nutrient management BMPs through existing programs and initiatives. 5 Additional management BMPs through existing programs and initiatives. 5 Additional management BMPs through existing programs and initiatives. 5 Additional management BMPs through existing programs and initiatives. 5 Additional management plans and incentives implementation increase existing 4R practice (N/P Rate, Placement, Timing by 3-253 3,000 acres and N Timing by 15-500											
Advanced Nutrient management BMPs through existing programs and Management (4R) Practice Education and Implementation in Implementation in Increase existing 4R practice (4R) Practice Education and Implementation in Implementation in Implementation in Implementation of Chlorophyl testing additional participants Advanced Nutrient management BMPs through existing programs and increase existing programs and increase existing 4R practice (4R) Practice Education and Implementation in Implementation											
Nutrient Management BMPs through existing programs and initiatives. Management initiatives. MRCS, Private Education and Implementation In Increase existing 4R practice (NP) Pattern Burgon and Increase pre-side dress nitrogen test (PSNT) or Chlorophyl testing additional participants Machine dependent for most farming operations. Cost of fertilizer is self-regulating farmers to use	3.E. Advanced	Increase reporting of cumplemental nutrient	4P Allianco SCCD	Countyavida	2022 2022	Landowner interest PMD	Education	CDE grant	6 additional Ag	¢790 000 por voar	
Management (4R) Practice (24R) Pract					2022-2023			· ·		\$780,000 per year	, , , , ,
ARRY Practice Education and Implementation Implementation In management plans and incentivize implementation In management plans and incentivize implementation In crease existing 4R practice (N/P Rate, Placement, Timing by 2,530 3,000 acres and N Timing by 2,530 3,000 acres and		0 0.0		AG Lanu		verification (affilial).	ai support				
Education and Implementation in Implementation Impleme			· ·				= o			440	Conservancy in September 2024 for local farmers and manure natilers/brokers.
Implementation n Increase existing 4R practice (N/P Rate, Placement, Timing by 2,530 3,000 acres and N Timing by 15,000 3,000 acres and N Timing by 15,000 acres in Increase pre-side dress nitrogen test (PSNT) or Chlorophyl testing additional participants Chlorophyl testing additional participants Farm Visits, PA Game Commission Farm Visits, PA	, ,		· ·						meet 4R standard	' '	
Increase existing 4R practice (N/P Rate, Placement, Timing by 2,580 3,000 acres and N Timing by 15,000-3,000 acres and N Timing by 15,000 acres are acres acr											· ·
Timing by 2,530 3,000 acres and N Timing by 15,000 3,000 acres and N Timing by 15,000 3,000 acres and N Timing by 15,000 4,000 acres and N Timing by 15,000 3,000 acres and N Timing by 15,000 4,000 acres and N Timing by 15,000 5,000 acres and N Timing by 15,000 acres ac	Implementa	·	,				year	Technician			chlorophyl testing.
Additional funding to support soil testing. Soil testing is key to meeting Chlorophyl testing additional participants Additional funding to support soil testing. Soil testing is key to meeting the recommendations of supplemental BMPs. Machine dependent for most farming operations. Cost of fertilizer is self-regulating farmers to use	n			ו		implementation.					
support soil testing. Soil lesting is key to meeting the recommendations of supplemental BMPs. Machine dependent for most farming operations. Cost of fertilizer is self-regulating farmers to use support soil testing. Soil testing, Soil testing, Soil testing is key to meeting the recommendations of supplemental BMPs into PK total and equipment rental programs. HRG also provided outreach at several events to increase and 4R practices within the region. 4R practices within the region. 2022: Nutrient Management Program changed standards in the fall to include additional info on supplemental nutrient management. SCCD has been entering supplemental BMPs into PK total		Timing by 2,530 3,000 acres and N Timing by 15,000	-							total cost for all is	HRG has worked with the counties on methods to integrate supplement NM reporting into current
Increase pre-side dress nitrogen test (PSNT) or Chlorophyl testing additional participants Increase pre-side dress nitrogen test (PSNT) or Chlorophyl testing additional participants Increase pre-side dress nitrogen test (PSNT) or Chlorophyl testing additional participants Increase pre-side dress nitrogen test (PSNT) or Chlorophyl testing additional participants Increase present to increase PNST education and testing; \$125,000 total Increase PNST e		3,000 acres)				Additional funding to				\$175,300	workflows in the Chesapeake bay Contract, Nutrient Management Contract, current PSNT programs,
Chlorophyl testing additional participants the recommendations of supplemental BMPs. the recommendations of supplemental BMPs. Machine dependent for most farming operations. Cost of fertilizer is self-regulating farmers to use to increase PNST education and testing: \$125,000 total Cost of fertilizer is self-regulating farmers to use to increase PNST education and testing: \$125,000 total Cost of fertilizer is self-regulating farmers to use						support soil testing. Soil					and equipment rental programs. HRG also provided outreach at several events to increase adoption o
supplemental BMPs. supplemental BMPs. Machine dependent for most farming operations. Cost of fertilizer is self-regulating farmers to use supplemental BMPs. education and testing: \$125,000 total con supplemental nutrient Management Program changed standards in the fall to include additional info on supplemental nutrient management. SCCD has been entering supplemental BMPs into PK total Cost of fertilizer is self-regulating farmers to use		Increase pre-side dress nitrogen test (PSNT) or				testing is key to meeting				\$25,000 per year	4R practices within the region.
supplemental BMPs. supplemental BMPs. Machine dependent for most farming operations. Cost of fertilizer is self-regulating farmers to use supplemental BMPs. education and testing: \$125,000 testing: \$125,000 on supplemental nutrient management. SCCD has been entering supplemental BMPs into PK total Cost of fertilizer is self-regulating farmers to use		Chlorophyl testing additional participants				the recommendations of				to increase PNST	
testing: \$125,000 on supplemental nutrient management. SCCD has been entering supplemental BMPs into PK Machine dependent for most farming operations. Cost of fertilizer is self-regulating farmers to use						supplemental BMPs.				education and	2022: Nutrient Management Program changed standards in the fall to include additional information
Machine dependent for most farming operations. Cost of fertilizer is self-regulating farmers to use											on supplemental nutrient management. SCCD has been entering supplemental BMPs into PK.
most farming operations. Cost of fertilizer is self- regulating farmers to use						Machine dependent for					
Cost of fertilizer is self- regulating farmers to use						· ·					
regulating farmers to use						and about the					
regulating farmers to use						Cost of fertilizer is self-					
ΙΙΔΟΣ ΤΩΓΤΙΙΙ7ΩΓ' ΤΝΩΓΩΤΩΓΩ						less fertilizer; therefore,					
lower rates are applied.											
iowei rates are applieu.						nower rates are applied.					

5* Impl	lement	Determine feasibility of having a county/state cost	SCCD, Snyder	Countywide	2022 –	Capacity to manage the	Transect	6 – additional Ag	\$780,000 per year	2024: SCCD has an ongoing cover crop program through a NFWF MEB grant for the Middle Creek
Prac	ctice to	share program to enhance adoption of the annual	County Farm	Ag Land	investigatio	program, landowner	survey	Planners to		Watershed. 219.42 acres of cover crop were enrolled in 2024. SCCD also participates in an annual
impr	rove soil	practice	Bureau, NRCS,		n	interest		transition farmers		cover crop survey throughout the county. During that survey, 5,664 acres of cover crop were verified
healt	lth and		Private Sector				Landowne	to high residue	\$90 per acre	
susta	ainability	Implement tillage management and cover crops on	Agriculture Farm		2023 –	Lack of technical assistance	r		traditional per	2023: SCCD is implementing a cover crop program through NFWF MEB grant in the Middle Creek
(Tilla	-	an annual rate of 40,000 20,000 acres High Residue,	Visits, PA Game		next steps	and farm planners to work	education	County	year: \$360K for a	watershed. 116 acres have been incentive.
	nagement	4,000 18,000 acres Conservation Tillage, 2,000 acres				with farmers to transition		·	5-year total of	
	Cover	Low Residue, 4,000-36,600 acres of cover crops and				to High Residue Tillage	50 farm	District – staff to	\$1.8M (incentive	2022 : From 2020 to 2021 progress scenario in CAST Snyder County has increased Cover Crop
Crop		32,600 acres of cover crops with fall nutrients				a magazina m	visits per	administer the	payment,	implementation by over 6,900 acres.
0.00	,	о пред на				Current verification	vear		administration,	
						methods do not accurately	,	. •	capital RC&D	2021 NFWF MEB was awarded for 360 acres of Cover Crops in the Middle Creek Watershed.
						capture implemented			reporting)	2021 W W M25 Was awarded for 500 deres of cover crops in the Middle Greek Watershed.
						amounts – work with			\$50 per acre fall	Submitted a Growing Greener application for 1,250 acres of cover crops countywide. If awarded,
						Capital RC&D to improve				additional acreage will be implemented in 2023.
						Transect Survey Routes			2 \$1.63M for 5-	additional acreage will be implemented in 2025.
						Transect Survey Routes			year total of	
						Farmers are harvesting			\$8.15M	
						cover crops for forage,			\$6.13IVI	
						need accurate efficiency		Capital RC&D staff	¢E0 000 for	
						crediting for commodity		·		
						,		Transect Survey	improvements to Capital RC&D	
						cover crops		Transect Survey	· ·	
						Frieties Corres Corre			Transect Survey	
						Existing Cover Crop				
						Programs have strict plant				
						by date that does not work				
						with changing weather				
						patterns and wetter years				
7* Impl	lement	Prescribed grazing – 700 2,000 acres	SCCD, NRCS,	Countywide		Landowner education, BMP			\$780,000 per year	2024: One riparian buffer project is proposed for installation in fall 2024. It consists of 2,400 LF of
more	e pasture		Private Ag	ag lands –		funding for non-buffer	visits per	Planners to		fencing, 3 stream crossings, and 2.0 acres of riparian buffer and located in Beaver Township. A secon
	nagement	Forest buffers on fenced pasture corridor – 15 25	Consultants,	landowners		work, plan updates, data	year	provide TA and ag		site located in West Beaver Township has been identified for implementation in 2025.
ВМР	Ps	acres streamside, 10 acres narrow	Chesapeake Bay	who raise		gathering.		planning		
			Foundation,	horses,					\$390,000 per year	2023: In 2023, 17,703 LF of fencing installed, 2.25 acres of forest buffer installed, 14 watering facilities
		Grass buffers on fenced pasture corridor – 15 acres	Chesapeake	dairy, beef		Lack of Technical assistance		3 – additional FTE		7 cattle crossings installed, 50 acres of Prescribed Grazing.
		Crass surrors on remova passars connect	Chesapeake	//						
		streamside, 40 acres narrow	Conservancy	and other		to support agriculture		environmental	Prescribed grazing	
		·	· ·	• • •		to support agriculture planning and			Prescribed grazing \$540 per acre:	2022 : The Foundation for Pennsylvania Watersheds applied to NFWF MEB for Phase 2 of BMP
		·	· ·	and other				technician		, , , , , , , , , , , , , , , , , , , ,
		streamside, 40 acres narrow	· ·	and other pasture		planning and		technician	\$540 per acre:	, , , , , , , , , , , , , , , , , , , ,
		streamside, 40 acres narrow	· ·	and other pasture grazing		planning and		technician	\$540 per acre:	Verification. If awarded Streambank Exclusion Fencing would be remotely sensed to identify existing
		streamside, 40 acres narrow	· ·	and other pasture grazing		planning and implementation.		technician	\$540 per acre: \$378,000 total	Verification. If awarded Streambank Exclusion Fencing would be remotely sensed to identify existing BMP implementation. Field verification would occur on remotely sensed BMPs. The grant was not
		streamside, 40 acres narrow	· ·	and other pasture grazing		planning and implementation. Old NRCS plans need to be		technician	\$540 per acre: \$378,000 total FB Buffer W/ Exclusion \$10,500	Verification. If awarded Streambank Exclusion Fencing would be remotely sensed to identify existing BMP implementation. Field verification would occur on remotely sensed BMPs. The grant was not
		streamside, 40 acres narrow	· ·	and other pasture grazing		planning and implementation. Old NRCS plans need to be updated to comply with		technician	\$540 per acre: \$378,000 total FB Buffer W/ Exclusion \$10,500	Verification. If awarded Streambank Exclusion Fencing would be remotely sensed to identify existing BMP implementation. Field verification would occur on remotely sensed BMPs. The grant was not awarded.
		streamside, 40 acres narrow	· ·	and other pasture grazing		planning and implementation. Old NRCS plans need to be updated to comply with prescribed grazing		technician	\$540 per acre: \$378,000 total FB Buffer W/ Exclusion \$10,500 per acre: \$157,500 total	Verification. If awarded Streambank Exclusion Fencing would be remotely sensed to identify existing BMP implementation. Field verification would occur on remotely sensed BMPs. The grant was not awarded. It has been a record year for implementing streamside best management practices (BMP's) for the
		streamside, 40 acres narrow	· ·	and other pasture grazing		planning and implementation. Old NRCS plans need to be updated to comply with prescribed grazing definition – difficult to get		technician	\$540 per acre: \$378,000 total FB Buffer W/ Exclusion \$10,500 per acre: \$157,500 total	Verification. If awarded Streambank Exclusion Fencing would be remotely sensed to identify existing BMP implementation. Field verification would occur on remotely sensed BMPs. The grant was not awarded. It has been a record year for implementing streamside best management practices (BMP's) for the Snyder County Conservation District. Through various partnerships and grant funding, eight
		streamside, 40 acres narrow	· ·	and other pasture grazing		planning and implementation. Old NRCS plans need to be updated to comply with prescribed grazing definition – difficult to get landowner buy-in – fund		technician	\$540 per acre: \$378,000 total FB Buffer W/ Exclusion \$10,500 per acre: \$157,500 total	Verification. If awarded Streambank Exclusion Fencing would be remotely sensed to identify existing BMP implementation. Field verification would occur on remotely sensed BMPs. The grant was not awarded. It has been a record year for implementing streamside best management practices (BMP's) for the Snyder County Conservation District. Through various partnerships and grant funding, eight participating farmers and landowners voluntarily agreed to install a total of:
		streamside, 40 acres narrow	· ·	and other pasture grazing		planning and implementation. Old NRCS plans need to be updated to comply with prescribed grazing definition – difficult to get landowner buy-in – fund alternative watering and		technician	\$540 per acre: \$378,000 total FB Buffer W/ Exclusion \$10,500 per acre: \$157,500 total GB Buffer W/ Exclusion \$2,750	Verification. If awarded Streambank Exclusion Fencing would be remotely sensed to identify existing BMP implementation. Field verification would occur on remotely sensed BMPs. The grant was not awarded. It has been a record year for implementing streamside best management practices (BMP's) for the Snyder County Conservation District. Through various partnerships and grant funding, eight participating farmers and landowners voluntarily agreed to install a total of: • 10,613 feet of streambank fencing
		streamside, 40 acres narrow	· ·	and other pasture grazing		planning and implementation. Old NRCS plans need to be updated to comply with prescribed grazing definition – difficult to get landowner buy-in – fund alternative watering and fencing; most pastures are		technician	\$540 per acre: \$378,000 total FB Buffer W/ Exclusion \$10,500 per acre: \$157,500 total GB Buffer W/ Exclusion \$2,750 per acre: \$41,250	Verification. If awarded Streambank Exclusion Fencing would be remotely sensed to identify existing BMP implementation. Field verification would occur on remotely sensed BMPs. The grant was not awarded. It has been a record year for implementing streamside best management practices (BMP's) for the Snyder County Conservation District. Through various partnerships and grant funding, eight participating farmers and landowners voluntarily agreed to install a total of: • 10,613 feet of streambank fencing • 7 livestock stream crossings • 2 livestock watering facilities
		streamside, 40 acres narrow	· ·	and other pasture grazing		planning and implementation. Old NRCS plans need to be updated to comply with prescribed grazing definition – difficult to get landowner buy-in – fund alternative watering and fencing; most pastures are streamside.		technician	\$540 per acre: \$378,000 total FB Buffer W/ Exclusion \$10,500 per acre: \$157,500 total GB Buffer W/ Exclusion \$2,750	Verification. If awarded Streambank Exclusion Fencing would be remotely sensed to identify existing BMP implementation. Field verification would occur on remotely sensed BMPs. The grant was not awarded. It has been a record year for implementing streamside best management practices (BMP's) for the Snyder County Conservation District. Through various partnerships and grant funding, eight participating farmers and landowners voluntarily agreed to install a total of: • 10,613 feet of streambank fencing • 7 livestock stream crossings • 2 livestock watering facilities • 5.2 acres of riparian buffers (approx. 750 trees & shrubs)
		streamside, 40 acres narrow	· ·	and other pasture grazing		planning and implementation. Old NRCS plans need to be updated to comply with prescribed grazing definition – difficult to get landowner buy-in – fund alternative watering and fencing; most pastures are		technician	\$540 per acre: \$378,000 total FB Buffer W/ Exclusion \$10,500 per acre: \$157,500 total GB Buffer W/ Exclusion \$2,750 per acre: \$41,250	Verification. If awarded Streambank Exclusion Fencing would be remotely sensed to identify existing BMP implementation. Field verification would occur on remotely sensed BMPs. The grant was not awarded. It has been a record year for implementing streamside best management practices (BMP's) for the Snyder County Conservation District. Through various partnerships and grant funding, eight participating farmers and landowners voluntarily agreed to install a total of: • 10,613 feet of streambank fencing • 7 livestock stream crossings • 2 livestock watering facilities

3.8*	Riparian buffer	510 200 riparian forest buffer acres – new buffer;	CBF, Penns Creek	Countywide	2022 – line	Landowner partnerships,	Materials	Budget	6 – additional Ag	\$780,000 per year	2024: 2.0 acres of buffer is planned for installation in fall 2024, weather and site permitting.
	and re-	Need to recredit additional acres lost since 2010	Watershed		up	landowner education,		available to	Planners to		
	forestation		Association,		landowner	volunteer acceptance of	Mapping	be	provide technical		2023: 2.25 acres of buffers were installed in 2023.
	BMPs	130 riparian grass buffer acres – new buffer; Need	Chesapeake		s	buffer plantings, buffer		determined	assistance and ag		
		to recredit additional acres lost since 2010	Conservancy,			maintenance guide for			planning		2022 : The Foundation for Pennsylvania Watersheds applied to NFWF MEB for Phase 2 of BMP
			NRCS, SCCD, PA		2023-2025	farmers, routine site visits			ľ		Verification. If awarded Forest Buffers and Grassed Waterways would be remotely sensed to identify
		15 50 acres – Agriculture Tree Planting	Game		_	to confirm buffers are			3 – additional FTE	\$390,000 per year	existing BMP implementation. Field verification would occur on remotely sensed BMPs. The grant was
			Commission,		implement	thriving, invasive species			environmental	7000,000 pc. yca.	not awarded.
		60 5 acres – urban forest buffer	Susquehanna		ation	removal during			technician		not awaraca.
		oo 3 acres – urban forest buller			ation	Ü			tecimician	Caract Duffer	Community Drobation Convice Drogram assists with huffers plantings and maintanance in the county
			University			establishment.				Forest Buffer	Community Probation Service Program assists with buffers plantings and maintenance in the county.
		2 acres – urban tree canopy								\$10,000 per acre:	This fall SCCD will be planting buffers for five projects. One buffer is contracted, four buffers will be
						Flash grazing must be				2.2M	planted by SCCD. Exploring a potential project for buffer planting using CAP funding. Exploring option
		100 0 acres – urban forest planting				allowed with buffer					for new buffer plantings in 2023.
						installation.				Grass Buffer	
		Forest buffers (narrow) in agriculture areas - 10								\$2,500 per acre:	2019 Growing Greener Grant is still being used to fund buffer projects.
		acres				Funding program must				\$250,000	
						include a 5-10-year					
		Grass buffers (narrow) in agriculture areas - 10 acres	5			maintenance program to				Tree/Forest	
		, , ,				establish buffers along with				Planting \$10,000	
						incentive program \$4K				per acre: \$1.16M	
						minimum per acre				per dere. \$1.10m	
						· ·					
						payment.					
						Name and a surface and a second					
						Must revise ordinances to					
						not cut down buffers					
						because of "messy"					
3.9	Wetland	22 acres of Wetland Restoration	Chesapeake	Countywide	2022	Willing landowner;	Landowne		3 – additional FTE	\$390,000 per year	2024: HRG has been utilizing existing maps and outreach to determine potential locations for wetland
	restoration		Conservancy,		-2025	appropriate siting, design,	r outreach		environmental		restoration projects. From there HRG plans to develop a regional grant application for the SRBC
	implementatio	20 Acres of Wetland Enhancement and	SCCD, NRCS, MLC,			and construction for			technician		Consumptive Use Grant.
	n on marginal	Rehabilitation	PA Game			successful restoration result	:				
	production ag		Commission						2 – stream	\$280,000	2023: No progress to date.
		Identify 1 large property owner from University of				Lack of technical assistance			biologist	,	
		Vermont restorable wetland layer to help identify				for landowner outreach and				Wetland	2022: No progress to date.
		where wetland restoration is feasible				agriculture planning to				Restoration	Total No progress to dute.
		where wetland restoration is reasible				identify potential site				\$30,000 per acre:	
						locations				\$1.26M	
.1	Stream	10,400 5,000 Linear feet (2 miles) Urban Stream	CBF, Chesapeake	Rapid	2022 –	Design/permit/construction	GIS		Design, permit,	Assume \$900/LF -	2024: 1,700 LF of stream restoration was installed in June 2024 with an additional 700 LF proposed for
	Restoration	Restoration	Conservancy, TU	delisting	2025	cycle seems to work in two-			construction	\$9.36M – Urban	September 2024, weather/site permitting. Both projects are located along a portion of the
	(Urban and		National, NFWS,	areas		year increments, there is an			services		Susquehecka Creek.
	`	4,600 Linear feet (<1 mile) Agriculture Stream	Penns Creek			assumption that	1 permit			Assume \$400/LF -	
		Restoration	Watershed			eroded/degraded streams					2023: 1,850 LF of stream restoration implemented in 2023.
			Association, PFBC			exist based upon 403(d)				Agriculture	2020. 1,000 Li oi stream restoration implemented in 2020.
						' '				_	2022: A faw farmers are implementing stream restoration utilizing public funding. SCCD is assisting
			Stream			listing – should that not be			2 Marrial and		2022 : A few farmers are implementing stream restoration utilizing public funding. SCCD is assisting
			Restoration Team,			the case in the field, adjust			2 – Municipal	\$280,000 per year	farmers implementing projects. Northern PA Conservancy is implementing stream restoration. ANL
			MLC, NRCS, SCCD			quantitative goal down and			Engineers		Wood is performing a match funded project for stream restoration with Northern PA Conservancy. Page 1987 1987 1987 1987 1987 1987 1987 1987
						ensure buffers are in place				\$420,000	Fish and Boat is doing Susquehanna river stabilization project.
									3 – FTE Design,		
						Lack of funding to cover			Permit		
						engineering design			construction		
									Services		
			1	1	I .	I .		T .			
										\$280.000	
									2 – stream	\$280,000	
									2 – stream biologist	\$280,000	

runoff	/loafing 3 acres of loafing lot management	SCCD, Chesapeake Conservancy, NRCS, Snyder County Farm Bureau, Private Ag Consultants	Farms	2022-2025	Lack of Technical assistance to support agriculture planning and implementation. Lack of funding to cover engineering design. Increasing construction costs are resulting in cancelled NRCS contracts.	6 – additional Ag Planners to provide technical assistance and ag planning 3 – FTE Design, Permit construction Services 3 – FTE Design, Permit construction Services	\$420,000 per year \$315,000 per year Barnyard Runoff Control \$175K per project, assume 1 acre per project	2024: A 64'x 63' roofed HUA with a 24'x 36' waste storage was constructed in West Perry Township. A proposed 48'x 152' HUA with 48'x 32' waste storage is currently being designed for 2025 construction in Franklin Township. A third HUA (52'x176') in West Beaver Township was recently contracted through ACAP with construction anticipated for 2025. 2023: A .5 acre Roof Structure For HUAP implemented in 2023. 2022: GG Gray ACA improvements \$200,000: Monroe township Snyder County. An NMP was developed for the operation's 185.1 acres of permanent pastures and crop fields. While no Growing Greener funding was utilized, the operator installed 69 ft. of fence to exclude the goats from entering the earthen barnyard. This barnyard was also reseeded by the operator without GG funding. A new beef ACA (13,000 sq. ft.), roofed (16,640 sq. ft.) with the capacity to store manure (3 months' worth) was also installed to collect, contain, store, and manage manure for better agronomic and environmental use of manure N and P nutrients. Cattle will be fed when pasture conditions are not suitable for grazing. Other ACA associated practices include 1 watering system, 762 ft. of fencing connecting to pastures, and 536 ft. of access road NFWF MEB Snook Project \$250,000: NFWF MEB Snook Project 250,000 (Just awarded, to install dairy farm BMP's, West Beaver Township, project in conjunction with NRCS funding and design) The Foundation for Pennsylvania Watersheds applied to NFWF MEB for Phase 2 of BMP Verification. If awarded Barnyard Runoff Controls will be remotely sensed to identify existing BMP implementation. Field verification will occur on remotely sensed BMPs. A few projects are identified for HUAP and need funding to complete construction.
3.12 Animal Storage Systems	Management Systems	SCCD, SCC, CEG Program County Farm Bureau, NRCS, Ag Land Preservation, Chesapeake Conservancy, Private Ag Consultants	Livestock & Poultry farms	2022-2025	Time to get through planning, design, and construction; outreach to smaller farms that likely need the assistance; match cash value for small farms; readiness to plan/implement projects when outreach efforts yield willing landowners. Lack of funding to cover engineering design.	6 – additional Ag Planners to provide technical assistance and ag planning 3 – FTE Design, Permit construction Services 3 – FTE Design, Permit construction Services	\$420,000 per year \$315,000 per year	2024: Waste Storage for 31.9 AUs was implemented one Beef Cow/Calf operation located in West Perry Township. Waste Storage for 125.2 AUs was implemented in summer 2024 for one poultry operation located in Middle creek Township. Additionally, Waste Storage for 347.66 AUs are slated for fall 2024 construction for three separate poultry operations. 2023: 170 Animal Units of Waste Storage was implemented for Beef Cow Calf operations 2022: NFWF MEB Snook Project \$250,000: NFWF MEB Snook Project 250,000 (Just awarded, to install dairy farm BMP's, West Beaver Township, project in conjunction with NRCS funding and design) The Foundation for Pennsylvania Watersheds applied to NFWF MEB for Phase 2 of BMP Verification. If awarded Barnyard Runoff Controls would be remotely sensed to identify existing BMP implementation. Field verification would occur on remotely sensed BMPs. The grant was not awarded. From 2020 to 2021 progress scenario in CAST Snyder County has increased poultry waste management systems by over 2,000 animal units. A few projects are being built this fall. More projects are in the que for needing funding to complete construction.

3.13*	Export of Excess Manure out of Snyder County	Manure Transport of excess manure out of Snyder County – 14,500 Dry Tons Per Year	SCCD, PDA, SCC, Snyder County Farm Bureau, NRCS, Local manure brokers, Private Sector nutrient management planners	Countywide Ag Lands		Current reporting methods do not accurately capture the amount of manure leaving Snyder County. Manure brokers are not required to report data. Lack of Technical assistance to support agriculture planning and implementation.		Planners to provide technical assistance and ag planning		 2024:Approximately 28,680 tons of manure exported from the county. 2023: Approximately 23,000 tons of manure exported from the county. 2022: From 2020 to 2021 progress scenario in CAST Snyder County has increased Manure Transport by over 11,100 dry tons. SCCD has increased PK reporting of nutrient management plans to document export.
3.14	_	Implement existing ordinances at local municipal level Catalogue existing BMPs that fit into this category and newly built ones Wet Ponds and Wetlands - 80 10 new acres treated	municipalities, Central Keystone Council of Governments,	County- wide	Ongoing 2022-2025	Coordination/ training for municipal staff, FieldDoc batch opportunity, non-MS4 engagement (what's in it for them?), difficulty obtaining past information (MS4s typically have databases from 2003-present).	Reporting platform	5 – Summer interns for reporting and verification 2 – Municipal Engineers 1 – municipal planner		2024: No progress to date. 2023: No progress to date. 2022: No progress to date.
3.15	Landscaping/Tu rf to Meadow	Promote new program and enable one large tract landowners' participation 80 5 new acres of Conservation Landscaping	SCPC, DCNR, Clear Water Conservancy, Chesapeake Conservancy, Penns Creek Watershed Association, MLC		2022 - 2025	Landowner education and acceptance Existing mowing ordinances and weed ordinances can be a challenge to implementation	Planting plan assistance	Planner	\$130,000 per year	 2024: A turf to meadow conversion project is in the process of being developed for the Susquehanna Valley Country Club. 2023: No progress to date. 2022: No progress to date.
3.16*	Continue dirt and gravel road program	22 miles overall restored through past projects Dirt & Gravel Road Erosion & Sediment Control - Driving Surface Aggregate with Outlets - 55,000 LF (10 miles) Continue to implement the program annually	SCCD, Trout Unlimited	Countywide	2025	Continue D&G Road program funding. Expand Dirt and Gravel Road Program to include farm lanes.		1 – FTE Clean Water Coordinator for Conservation District	\$130,000 per year Dirt and Gravel Roads \$40 per foot TBD	 2024: Low Volume Project in McClure Boro – additional bottomless box culvert Low Volume Project in Beaver Township – 5 cross pipes and 4000' of underdrain Dirt and Gravel Project in Chapman Township – 13 cross pipes, 400' of underdrain, and 3000' of DSA 2023: Low volume road project in McClure borough for a bottomless box culvert installation and future streambank rehabilitation. Dirt and Gravel Road Projects for 4000 ft of DSA and 6 cross pipes installed in Beaver Township. 2022: Two projects will be funded with Emergency Watershed Protection (EWP) money mixed with dirt and gravel road money to replace 2 stream crossings, 1,000 feet of channel restoration and 2,000 feet of bank stabilization. The second EWP project will include 1,200 feet of stream bank stabilization. SCCD is working on a low volume project that will take course over 3-years. Currently, 2 additional projects underway. Will begin accepting applications for 2023 in September. Approximately 1.5 miles of roadway restoration and 2 miles of underdrain estimated to be completed in next two years.

3.17*	PennDOT and local municipalities to reduce frequency of mowing and grading road ditches and along roadways		Local Municipalities, SCPC, DEP and PennDOT	Countywide		PennDOT's and Municipal willingness to cut back on mowing programs. DEP Chesapeake Bay Programwill need to assist in the education of PennDOT.		1—FTE Clean Water Coordinator for Planning Commission 1—Clean Water Coordinator for Conservation District	\$130,000 per year	2022: No progress to date. 2022: No progress to date.
3.18*	Work with PA Game Commission to establish BMPs and conservation easements within Game Lands. Require farmland lessees to implement CNMPs and Ag E&S plans	managed in Snyder County.	PA Game Commission, SCCD, MLC	PA Game Lands 188, 194, 212	2025	Coordination with Game Commission often challenging, requiring leases to implement plans when not currently required by lease contract.		1 – FTE Clean Water Coordinator for Conservation District	\$130,000 per year	 2024: No progress to date. 2023: No progress to date. 2022: HRG had several discussion with the regional office. Most farming operations have ceased on state game lands. PA DEP was looking into crediting or land retirement statewide.
3.19*	& Grant	Identify some private funding sources that may be able to supplement public funding sources/existing sources utilized for stakeholders, continue to work with partners to facilitate additional funding.	Existing project implementer networks	Countywide	2022-2025	Need to expand network, educational aspect of less common funders, logistics of utilizing unproven funding sources (or lesser known). Grant administration is a challenge due to limited staff and time-consuming nature of grant reporting and administration.	Financial services	1 – FTE Conservation District Grant Manager 1 – FTE Planning Commission Grant Manager 2 – staff accountants	\$130,000 per year	 2023: FFAR and Walton Family Foundation opportunities did not proceed. No progress to report from County-led activities. Chesapeake Conservancy continues to demonstrate project value to private foundations and those dollars eventually are invested on farms in the Rapid Delisting watersheds. 2022: HRG and LFT explored potential opportunities to apply to the Foundation for Food & Agriculture Research (FFAR) and the Walton Family Foundation's new program, Achieving Conservation through Targeting Information, Outreach and Networking (ACTION) to support innovative research that increases adoption of conservation practices. LFT applied for the FFAR grant but was not awarded.

					Priority Initiative 4: R					
· ·	Location identification, financial and volunteer		Countywide	2022	Land access, expanded	QAQC	Volunteer		N/A	2024: Water Quality Monitoring was conducted on both branches of the Mahantango creek in the
_	budget analysis, and initial landowner	Susquehanna			volunteer need,		Water qua	ality		upper reaches of each. The highlight of the data was that the N Branch was now attaining in IBI score
quality	communication by end of 2021	University,			equipment/materials		monitorin	ng		and was very close in habitat scores to be considered for delisting.
monitoring		watershed			budget, Consistent data					
data into	CAST-21 acknowledgement of our data	associations, TU,			collection, QAQC		New moni	nitoring \$	\$10,000	2023: Capacity changes with the Coordinator and Conservation Districts has pushed the convening o
Chesapeake		USGS, SCCD, NRCS			continuation		equipmen	nt		the Watershed Specialists. We will reevaluate in 2024 if this should be a priority at the County level of
Data Explorer/	Map existing monitoring locations									if it should be scaled to the State or Federal level.
Chesapeake					Data precision, QAQC,					
	Expand monitoring based on Corridors of				opportunity to educate					2022: In the spring of 2023, HRG will convene the Watershed Specialist to identify the largest ""gaps'
_	Opportunity/rapid delisting area monitoring gaps				landowners about local		3 – additio	onal FTF	\$130,000 per year	of water quality monitoring data, develop strategies to comprehensively incorporate new data to
database	pportainty, rapid densing area mornioring gaps				stream health and what		environme		7200,000 pc. year	support CAP efforts.
database					they can do about it		technician			support CAT CHOICS.
0.					they can do about it		tecimician	"		ALLARM is in the process of developing citizen scientist monitoring data collection protocols to assist
α					Ensure USGS/DEP/SU					
Luitint o					· · ·		2		¢200 000	with stream health data collection. Should the protocol be approved, it will be shared with all
Initiate					continue monitoring in		2 – stream	m \$	\$280,000 per year	Counties.
additional					Turtle Creek.		biologist			
water quality										Huntingdon County Watershed Specialist conducted several macroinvertebrate studies in the rapid
monitoring										delisting watersheds in Snyder County. Samples are used to demonstrate a baseline before restorati
sites that										occurs.
promote long-										
term trend										
evaluation at										
key locations in										
Snyder County										
<u> </u>									1	
			Countywide	Ongoing	Continued coordination	Social	1 – FTE Cle	lean Ş	\$130,000 per year	
	associations to support with CAP implementation.	Watershed			among a lot of active	media	Water			Watershed group continue. Discussions were held about restructuring the Lower Penn's Creek
associations for \	Watershed organizations can support with outreach,	Association, MLC,			groups, keep project leads	shares	Coordinat	tor for		Watershed Association.
short-term e	engagement, new project identification and	Trout Unlimited,			list active so that watershed	ı	Planning			
success and i	implementation. Enhance the capacity of local	National Trout			approach to grant	Project	Commission	ion		2023: Currently Bylaws are being reviewed by County Solicitor to reorganize as a countywide
long-term v	watershed associations for short-term success and	Unlimited			applications can be	developm		Ş	\$130,000 per year	organization, expectation of reorganization meeting to be held in Fall 2023.
sustainability I	long-term sustainability.				developed well in advance	ent	1 – FTE Cle	lean		
aligning with					of submittal deadlines.	support	Water			2022 : The 4-H program is working with established youth programs in Snyder County to share the
their goals						''	Coordinat	tor for	\$5000 per	Water Lion project. And we partnered with the SCCD to present the statewide 4-H Rain to Drain
							Conservat	1	organization to	Project. A project on how much water is in different foods and your body is being presented as well
							District		produce	the youth participants.
							District		promotional	the youth participants.
									materials (hats,	Exploring options of applying to the Environmental Education grant for a rain barrel workshop to gain
									• •	
									,	more support for the watershed association.
									members: \$15,000	
								t	total per year	
Familia di	Tool As a stabilist and a stab	5555 5	Carrie	222-	Name of the state			laar.	¢420.000	2024: 5 - 4 24
	Look to establish a new countywide watershed	SCCD, Penns Creek	Countywide	2023	Lack of participation in		1 – FTE Cle	iean Ş	\$130,000 per year	2024: See 4.2A
	association with 501(c)3 status to support	Watershed			watershed organizations is		Water			
· ·	implementation of projects.	Association, TU,			challenging. Establishing a		Coordinat	tor for		2023: Currently By Laws are being reviewed by the County Solicitor, expectation of a meeting of
Watershed and		other watershed			501(c)3 takes time. Political		Planning			current board to reorganize as a County Wide organization in Fall 2023.
Conservation F	Potential to merge Penns Creek Watershed	or conservation			will to develop the group.		Commission	ion		
	Association into the new organization.	organizations			Funding to support the			Ş	\$130,000 per year	2022: Spoke with county solicitor about changing 501(c)3 to new organization. Also spoke with Linn
Association A	Ŭ	_			group		1 – Clean '		, ,	Conservancy about utilizing their 501C3. Will revisit the issue over Winter of 2022/2023. Taking the
Association	▼				Ĭ '		Coordinat			approach of changing the name/geography.
Association					I and the second	1 1	Conservat			1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
Association							- CONSCIVAL			
Association								d	\$10 000 to	
Association							District		\$10,000 to	
Association .								E	establish Snyder	
Association								6	establish Snyder County Watershed	
Association								6 () a	establish Snyder County Watershed and Conservation	
Association								6 () a	establish Snyder County Watershed	