

Franklin County Clean Water Plan *Narrative*

Introduction:

The Franklin County Clean Water Plan (referred to in this document as “Plan”) identifies several priority initiatives to enable reductions in nutrient loads and improve water quality to the standard of countywide goals (reduce nitrogen loading (N) by approximately 1.3 million lbs. and phosphorus loading (P) by approximately 70,000 lbs.) Each initiative identifies steps that will need to be implemented in order to meet the aforementioned goals of reducing N and P in Franklin County. The entity leading the efforts of accomplishing these goals is the Franklin County Conservation District (FCCD). FCCD has established the initiative “Clean Water for Franklin County”, or CWFC for short, to unite all water-related efforts from all parts of the county.

Currently, the county has significant capacity limitations within our agencies and a limited number of existing environmental or conservation organizations that handle water issues on a regular basis. There are a number of partners that can be engaged in this process, with missions focusing on environmental education, stewardship and citizen water monitoring in our waterways. While there are a few of these organizations in the county, their focus tends to be community-based, and there is no countywide organization focused on protecting water resources. CWFC aims to become that countywide initiative which brings together communities and resources, countywide, to accomplish mutually beneficial projects and meet common goals.

Plan implementation and success are dependent on availability of needed funds, trained staff and resources identified in the Plan, as well as recommended regulatory changes and landowners’ willingness to participate in the CWFC initiative.

Opportunities:

CWFC will not only strive to meet the established goals, but will engage the neighbors of Franklin County in awareness of the value of our water resources. Communications strategies regarding the initiative emphasize that the quality of local streams and waterways, on which all community members rely, improve with implementation of the plan. County residents will experience a greater quality of life with cleaner water, which is an important goal of the county’s comprehensive plan. To reach our county goals, we must increase awareness of the role that all parties play in improving water quality and how the results benefit all members of the county.

CWFC provides the opportunity to reinvigorate the local watershed organizations and help them to coordinate efforts around a common mission. An opportunity exists to grow the initiative and establish a countywide organization to focus on conservation initiatives around water resources.

New to Franklin County, the Master Watershed Stewards Program, and other resource-focused organizations, will be vital partners in contributing to this effort. Our stakeholder group suggested forming a collaborative effort to promote water resource values such as a Water Week, or Watershed Snapshots, which would involve water quality monitoring and education for Franklin County neighbors on how they can support clean water and do their part to help meet the county goals. Other efforts that could help generate interest in the clean water initiative include education and outreach efforts for:

1. Local municipal leaders regarding stormwater management, green infrastructure, etc. and
2. Agricultural communities regarding best management practices and soil health.

To ensure long-term success and maximum impact, it is vital to learn from the other counties as they also develop successful strategies and best management practices. Emphasis should be placed on physical implementation and seeing real results in the goal reductions by landowner adoption of conservation practices. The opportunity exists to incorporate other strategies or planning practices into the implementation process through other planning efforts such as comprehensive planning, open space and greenway planning, long range transportation planning, and model ordinance development. Stormwater management should be evaluated from a more holistic perspective through guidance from the state.

Challenges:

Several factors need to be addressed to reach our county goals, including, but not limited to:

- technical assistance;
- workforce capacity;
- funding capacity; and
- reliable, continuous data collection.

During the development of the Plan there was much discussion on:

- what has been done;
- what needs to be done; and
- how to get it done in order to measure success.

Through implementation of the Plan thus far, there has been much discussion emphasis on the “how”, including, but not limited to:

- increasing capacity of both workforce and funding;
- data collection, management, reporting, and verification; and
- increasing reach of audience, participants, and contributors.

One of the greatest challenges is uncertainty with regard to baseline conditions - and which practices and facilities are currently in place - but are not included in the data used to formulate our planning goalposts. We have proposed measures to account for some current unreported practices, and lack of data management structure for BMPs from agricultural and urban sectors, but these are costly and will take significant time and coordination to establish.

The target goals of reducing Nitrogen and Phosphorus entering local waterways are to be met by 2025. The time frame is very ambitious. There is much work to be done at multiple agency levels before additional practices can be implemented on the ground at the local level at the needed pace.

Legislation may be needed which can be a cumbersome and slow process with an uncertain outcome. Significant funding needs to be identified and put into place where it can make the most significant impact. Finally, a large enough structure will need to be established at the state level to oversee the implementation of all the plans by the 43 counties impacted. While some of these items are in motion, we have much more work to do.

It will take time to hire and train the necessary staff to carry out the Plan. The goals are to be met by 2025. However, the process to actually meet the goals may take a longer time period and the initiative itself will be an ongoing process. BMPs put in place today may not be fully activated/effective for a number of years, and others will age out of the program, needing replacement or re-verification. It is difficult to prescribe formulaic practices for farmers who must respond quickly to changing weather and soil conditions and seasonal fluctuations to meet their optimal agricultural production goals, and for many, keep their living.

Summary:

The following is a summary of the three primary initiatives as outlined in the Franklin County Clean Water Plan. The initiatives include: 1. Programmatic, Policy, and Regulatory Initiatives, 2. Nutrient Reduction Goals & BMP Implementation, and 3. Communication, Education, and Outreach.

- Streamline permitting, funding, and reporting processes;
- Establish regular, consistent, and continuous monitoring for local water quality (and progress);
- Assess existing conditions through data collection for effective & efficient BMP implementation;
- Increase workforce and funding capacity to achieve increased implementation rate;
- Enhance BMP reporting for accurate picture of current conditions and progress of new BMP implementation;
- Develop a communication strategy to reflect parallel goals and benefits of improved water quality;
- Utilize existing resources to engage educational objectives; and
- Develop a focused effort to promote BMPs in different sectors throughout the county.

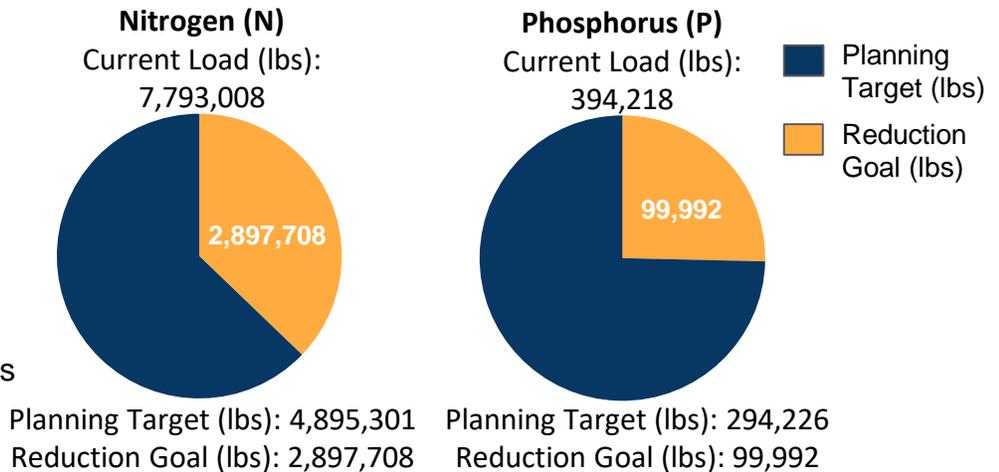
Conclusion:

Franklin County anticipates working closely with many agencies and partners as we strive to meet the established water quality goals. The CWFC initiative provides an opportunity to bring stakeholders and partners together not only to focus on water quality but also to embrace and incorporate other environmental and planning matters more inclusively. For this initiative to be successful it will take the involvement of the many partners: local, state, and federal government, the agriculture community, private businesses, and non-profit organizations. An extensive outreach and educational campaign is needed to create an awareness and understanding of the importance of issues related to water quality and soil health and the role that we all play in meeting these goals. We need change in the regulatory process, program development at the state and local level, staff hired and trained, and consistent, flexible funding and incentive programs created for the increased rate of BMP installation. By all appropriate parties working together in a cohesive manner, these goals become achievable, so does an improved quality of life for all of us who live, work, and play in Franklin County.

Franklin County, Pennsylvania

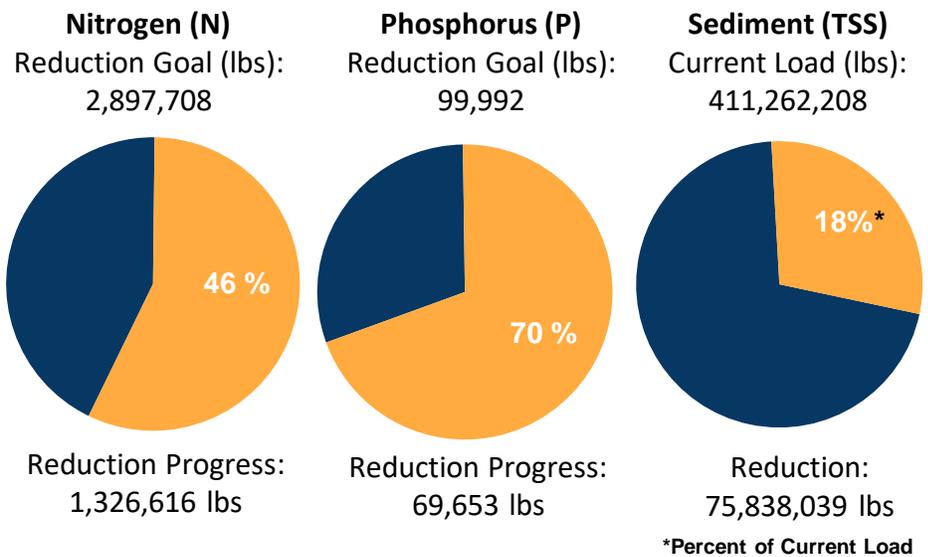
Current Conditions

Franklin County is the third highest loading county in Pennsylvania’s Chesapeake Bay Watershed. Current loading rates are 7.79M lbs of nitrogen and 394.22K lbs of phosphorous annually. By 2025, Franklin County needs to reduce 2.90M lbs of nitrogen and 99.99K lbs of phosphorous.



Pollutant Reduction Progress

By 2025, Franklin County needs to reduce 2.90M lbs of nitrogen and 99.99K lbs of phosphorous. Franklin County has developed a plan to reduce 1.33M lbs (46%) of the nitrogen goal and 69.65K lbs (70%) of the phosphorous goal. There is no planning target for sediment, but Franklin County’s plan reduced 75.84M lbs of sediment (18%) of the current load.

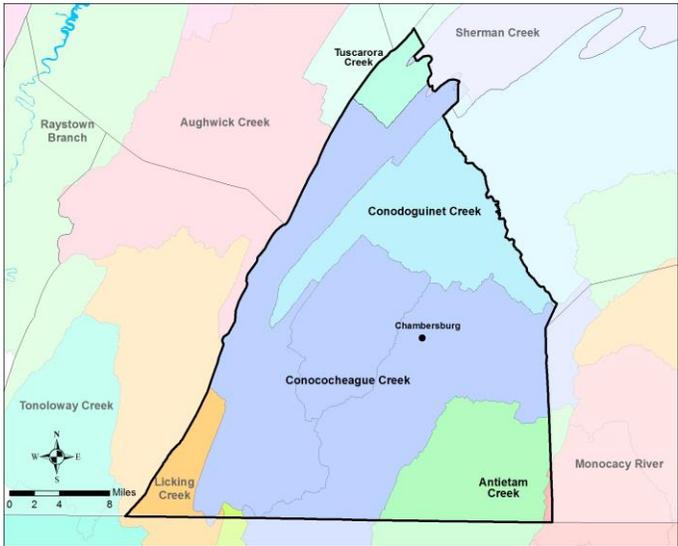


Priority Initiative Progress

Franklin County has identified 2 priority initiatives within the planning template: Agriculture and Stormwater. Agriculture has identified practices that result in a reduction of 1.31M lbs of nitrogen and 60.81K lbs of phosphorous. The stormwater sector has identified practices that reduce an additional 8.37K lbs of nitrogen and 2.39K lbs of phosphorous. These priority initiatives result in a total reduction of 1.33M lbs of nitrogen and 69.65K lbs of phosphorous.

Initiative	Nitrogen (lbs.)	Phosphorous (lbs.)
Agriculture	1,311,409	60,806
Stormwater	8,372	2,392
Total Reductions	1,326,616	69,653

FranklinCounty Watershed Map



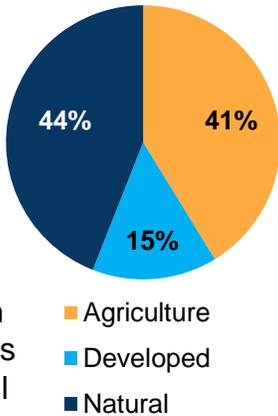
Information About the Watersheds

Franklin County contains five major watersheds: Conococheague Creek, Conodoguinet Creek, Antietam Creek, Licking Creek, and Tuscarora Creek. These watersheds are some of the highest loading watersheds for nitrogen and phosphorous in Pennsylvania's Chesapeake Bay Watershed. However, monitoring shows that conditions for nitrogen have been improving which means nitrogen levels are decreasing. Conditions for phosphorous are varying, meaning some are improving and some are degrading. Of the 1,705 total stream miles in Franklin County, approximately 25% are impaired.

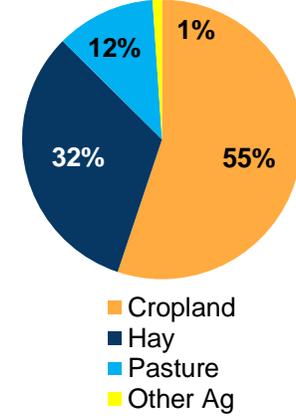
County Land Use:

Franklin County has a total acreage of 494,602 acres. Agricultural land represents 41% of the total land with 203,970 total acres. Developed land represents 15% of the total land with 72,950 total acres. Natural land, which is made up of forests, streams and wetlands, represents the remaining 44% or 217,681 total acres. Cropland makes up a majority of the Agriculture sector with 112,465 acres. The developed sector is mostly Non - Municipal Separate Storm Sewer Systems (MS4s) (78%) or 57,035 acres, and a small portion of MS4 (22%) or 15,915 acres.

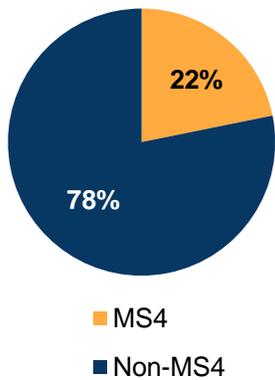
Franklin County:
Total Acres: 494,602



Agriculture:
Total Acres: 203,970



Developed:
Total Acres: 72,950



Local Benefits:

Storm events are the number one way for nutrients and sediment to enter waterways. Increased runoff impacts: flooding, water quality, habitat, etc. Pollutants enter the waterways by two methods: overland runoff or leaching into groundwater.



Flooding affects safety, property, infrastructure, and economics.



Franklin County relies on local water sources to supply drinking water to its residents.



Just like humans, Franklin County's livestock depend on clean water.

Learn more and Get Involved

To get involved with the Watershed Implementation Plan (WIP) please visit: <https://bit.ly/2RE7Dzb>



Franklin County CAP BMP Targets

Action #	Sector	BMP	Unit	Target Quantity	Cost/Unit	Total Cost	TN lbs Reduced/Unit	TP lbs Reduced/Unit	TSS lbs Reduced/Unit	Notes
1.1	Developed	Bioswale	Acres Treated	68.09	\$865.95	\$58,962.54	6.99552	0.43174	717.13854	Combination of all PRP's in Franklin County
1.2	Developed	Infiltration Practices w/o Sand, Veg. - A/B soils, no underdrain	Acres Treated	62.64	\$1,093.35	\$68,487.44	7.99475	0.49019	851.59659	Combination of all PRP's in Franklin County
1.3	Developed	Bioretention/raingardens - C/D soils, underdrain	Acres Treated	363.94	\$1,059.40	\$385,558.04	2.49806	0.25923	493.03298	Combination of all PRP's in Franklin County
1.4	Developed	Stormwater Performance Standard-Runoff Reduction	Acres Treated	35.12	\$1,584.68	\$55,653.96	2.82234	0.18193	356.77538	Combination of all PRP's in Franklin County
1.5	Developed	Stormwater Performance Standard-Stormwater Treatment	Acres Treated	340.08	\$811.19	\$275,869.50	1.65249	0.14234	332.57432	Combination of all PRP's in Franklin County
1.6	Developed	Urban Stream Restoration	Feet	24,502.00	\$145.00	\$3,552,790.00	0.05716	0.03446	100.49342	Combination of all PRP's in Franklin County
1.7	Developed	Forest Buffer	Acres in Buffers	164.11	\$153.28	\$25,154.78	9.5376	0.82537	790.8375	Combination of all PRP's in Franklin County
1.8	Developed	Permeable Pavement w/o Sand, Veg. - C/D soils, underdrain	Acres Treated	0.31	\$14,214.02	\$4,406.35	0.99923	0.11501	493.03298	Combination of all PRP's in Franklin County
1.9	Developed	Street Sweeping	Miles	5.52	\$674.53	\$3,723.41				Combination of all PRP's in Franklin County
1.10.1	Developed	Wetland Restoration (Enhancement)	Acres	65.00	\$269.42	\$17,512.30	3.00336	0.14726	63.75654	Combination of all PRP's in Franklin County
1.10.2	Developed	Wetland Restoration (Rehabilitation)	Acres		\$453.41	\$29,471.65				
1.11	Developed	Tree Planting - Canopy	Acres	160.00	\$107.78	\$17,244.80	1.33413	0.10465	168.02843	Combination of all PRP's in Franklin County
2.1	Agriculture	Tillage Management-Conservation	Acres	29,000.00	-	-	2.78	0.33	545.37	
2.2	Agriculture	Tillage Management-High Residue	Acres	57,000.00	-	-	-	-	-	
2.3	Agriculture	Tillage Management - Low Residue	Acres	10,000.00	-	-	-	-	-	
2.4	Agriculture	Cover Crop Traditional Wheat Late Other	Acres	32,000.00	\$33.33	\$1,066,560.00	2.84	0.00	0.00	
2.5	Agriculture	Cover Crop Traditional with Fall Nutrients Wheat Late Other	Acres	16,000.00	\$66.67	\$1,066,720.00	2.01	0.00	0.00	
2.6	Agriculture	Cover Crop Commodity Normal	Acres	0.00	-	-	2.12	0.00	0.00	
2.7	Agriculture	Precision Intensive Rotational/Prescribed Grazing	Acres	6,500.00	\$16.00	\$104,000.00	1.57	0.44	0.25	
2.8	Agriculture	Soil Conservation and Water Quality Plans	Acres	184,000.00	\$1.94	\$356,960.00	1.20	0.06	156.16	
2.9	Agriculture	Nutrient Management Core N	Acres	161,400.00	\$1,662.00	\$268,246,800.00	1.99	0.01	0.00	
2.10	Agriculture	Nutrient Management Core P	Acres	161,400.00	\$24.91	\$4,020,474.00	0.00	0.05	0.00	
2.11	Agriculture	Nutrient Management N Timing	Acres	17,000.00	\$33.74	\$573,580.00	1.16	0.00	0.00	
2.12	Agriculture	Nutrient Management N Rate	Acres	17,000.00	\$38.98	\$662,660.00	1.34	0.00	0.00	
2.13	Agriculture	Nutrient Management P Timing	Acres	17,000.00	\$42.03	\$714,510.00	0.00	0.03	0.00	
2.14	Agriculture	Nutrient Management P Rate	Acres	1,700.00	\$47.27	\$80,359.00	0.00	0.02	0.00	
2.15	Animals	Manure Transport	Dry Tons	10,000.00	\$27.53	\$275,300.00	0.61	0.56	0.00	
2.16	Agriculture	Non Urban Stream Restoration	Feet	12,000.00	\$5.10	\$61,200.00	0.06	0.03	100.49	
2.17	Agriculture	Forest Buffer-Streamside with Exclusion Fencing	Acres in Buffers	50.00	\$709.73	\$35,486.50	241.51	45.07	32,585.62	
2.18	Agriculture	Forest Buffer-Narrow with Exclusion Fencing	Acres in Buffers	50.00	-	-	66.26	12.66	9,286.08	
2.19	Agriculture	Grass Buffer-Streamside with Exclusion Fencing	Acres in Buffers	50.00	-	-	231.33	44.74	32,612.32	
2.20	Agriculture	Grass Buffer-Narrow with Exclusion Fencing	Acres in Buffers	50.00	-	-	63.89	12.34	9,312.68	
2.21	Agriculture	Forest Buffer	Acres in Buffers	100.00	-	-	51.58	0.59	1,485.83	
2.22	Agriculture	Forest Buffer - Narrow	Acres in Buffers	50.00	\$157.35	\$7,867.50	19.76	0.23	796.98	
2.23	Agriculture	Grass Buffer	Acres in Buffers	100.00	-	-	39.99	0.25	1,524.92	
2.24	Agriculture	Grass Buffer - Narrow	Acres in Buffers	50.00	\$56.95	\$2,847.50	17.69	-0.11	835.69	
2.25	Agriculture	Wetland Restoration - Floodplain	Acres	50.00	\$96.58	\$4,829.00	40.30	0.79	1,344.07	
2.26	Agriculture	Off Stream Watering Without Fencing	Acres	8,500.00	\$29.53	\$251,005.00	0.78	0.15	0.10	
2.27	Agriculture	Land Retirement to Ag Open Space	Acres	500.00	\$168.87	\$84,435.00	16.28	-0.11	747.43	
2.28	Animals	Animal Waste Management System	Animal Units	30,000.00	\$121.61	\$3,648,300.00	5.03	0.11	0.00	
2.29	Agriculture	Tree Planting	Acres	40.00	\$115.18	\$4,607.20	18.40	0.23	711.07	
2.30	Agriculture	Barnyard Runoff Control	Acres	134.00	\$56,746.00	\$7,603,964.00	367.40	10.65	1,411.34	
2.32	Animals	Dairy Precision Feeding and/or Forage Management	Animal Units	3,000.00	(\$9.95)	(\$29,850.00)	3.11	0.23	72.06	

Franklin County Clean Water Plan - Progress and Milestones

2021

Green - action has been completed or is moving forward as planned **Yellow** - action has encountered minor obstacles **Red** - action has not been taken or has encountered a serious barrier **BOLD** – bolded portion of item is completed or in progress

Action #	Description	Performance Target(s)	Responsible Party(ies) and Partnerships	Geographic Location	Expected Timeline	Potential Implementation Challenges or Recommendations	Resources Available		Resources Needed		Annual Progress to Date (2020 + 2021) <small>*add new 2021 progress above the existing 2020 progress. Date each entry</small>	Reason for Change to Action Item (2022-2023 milestone period)
							Technical	Financial	Technical	Financial		
Priority Initiative 1: Programmatic, Policy and Regulatory Initiatives												
1.1*	<p>Organizational Structure –</p> <p>Integrate Chesapeake Bay planning efforts with county planning through dedicated personnel available to support local goal implementation and address capacity issues on a county-by-county basis.</p>	<p>Potential Targets</p> <ul style="list-style-type: none"> Organizational chart for all participating entities with roles and responsibilities developed. Share with county partners Hire state level staff Necessary information identified for exchange reporting criteria Schedule for reports established in data verification process manual 	<p>Potential Partners</p> <ul style="list-style-type: none"> EPA DEP Susquehanna RBC Potomac RBC Counties & Municipalities 	Chesapeake Bay region	2022	<ul style="list-style-type: none"> Integrated staff should be at DEP level but with frequent interaction in collaboration with county staff. 2-3 staff at DEP for administration of program, and at least 1 dedicated staff person at Franklin County Program needs to recognize and provide support for plan implementation for counties' unique needs Additional staff needed to address capacity issues such as data reporting/verification, plan writing at CDs, program administration specialists, etc. 	TBD – Currently None	TBD – Currently None	<p>Staff will need to be hired to lead and coordinate the WIP effort.</p> <p>Source: State/County part to be determined</p>	<p>State and local funds sufficient for staffing.</p> <p>Suggested source: State/Local</p>	<p>August 2021: No additional positions have been staffed since the 2020 update, but Franklin County took some time to discuss additional program support necessary for successful implementation. This additional recommendation is outlined in the update (Potential Recommendations column).</p> <p>11/25/2020 Update: Clean Water Coordinator was hired through Franklin County Conservation District (FCCD) and began February 19, 2020. Funds for the position were secured through DEP's Coordinator Grant.</p> <ul style="list-style-type: none"> Coordinator developed a Steering Committee consisting of members across all sectors, municipalities, focus areas, skills, and resources. These members have organically grouped into sub-committees and are collecting additional resources and people to accomplish individual action items (sometimes referred to as action teams). Please see Organizational Chart for details. 	<p>(Existing item altered/added to during 2021 two-year milestone update.)</p> <p>August 2021: This item was originally a broad idea. Since this item was created, CBO staff and coordinators have been hired & facilitating CAP effort. This item has been updated to look further into additional needs identified through implementation process in 2022-2023.</p> <p>Implementation efforts have increased workload at the county level. With more projects to complete on a quicker timeline, additional assistance is needed to facilitate these efforts and the capacity of this new work.</p>

1.2	<p>Program Data Management & Project Planning –</p> <p>Create a central county location for data collection and reporting for all sectors. Database would include data and project planning tools for related items such as:</p> <ul style="list-style-type: none"> Existing/planned BMPs County conservation & ag Plans Project permits Grant applications 4R practices Stormwater management practices and facilities in local municipalities All additional items related to the above 	<p>Potential Targets</p> <ul style="list-style-type: none"> Program Creation Stakeholder meeting results (such as pledge of program use) # of training attendees # of organizations with accounts # of county users Acres recorded BMP goal progress End Goal: Functioning smoothly as “One-stop Shop” for project planning & management (Comprehensive, up-to-date database) 	<p>Potential Partners</p> <p>For Creation:</p> <ul style="list-style-type: none"> CWFC County Chesapeake Commons GIS Professionals etc. <p>For Data Input:</p> <ul style="list-style-type: none"> CWFC FCCD Local municipalities Penn State Extension Watershed Stewards Capital RC&D South Mountain Partnership (SMP) Private partners Other organizations involved in Clean Water projects etc. <p>For Maintenance:</p> <ul style="list-style-type: none"> Data creators Program creator IT/GIS professional CWFC data team 	Countywide	2023-2024	<ul style="list-style-type: none"> Workforce capacity Technical assistance capacity Reluctance of needed partners to adopt new program Information & data sharing discretion lies with 22 individual municipalities, private partners, & agencies (No countywide guidance or regulation on mandatory adoption or data sharing) Right-To-Know Data consistency Practices may vary between local municipalities – need program to be highly customizable 	<p>Practice Keeper</p> <p>FieldDoc</p> <p>COG & events to speak to all municipalities in one place</p> <p>Founder of FieldDoc is local for technical assistance needs</p>	<p>FieldDoc (Free to all, no license needed)</p> <p>Potentially - Technical Assistance grants</p> <p>No other financial resources available</p>	<p>Personnel dedicated to data management and verification</p> <p>Technical assistance for organizations with user accounts</p> <p>Training for organizations who wish to report projects</p> <p>Data share agreements</p>	<p>Funds for technical resources needed</p> <p>Potential funds for initial incentives to obtain new users</p>	<p>August 2021: Past/Present reporting strategy - FCCD reports BMPs to DEP through use of FieldDoc, PracticeKeeper, and other government permits/programs collected in the BMP Data Warehouse at the state level. This item was reevaluated – new goals regarding this item described in columns to the left.</p> <p>11/25/2020 Update: Coordinator, housed at the FCCD, facilitates data reporting efforts, making FCCD the current central data reporting entity for the county. FCCD reports BMPs to DEP through use of FieldDoc, PracticeKeeper, and other government permits/programs collected in the BMP Data Warehouse at the state level. FCCD also served as part of the Data Tool Review Team to develop/test FieldDoc.</p> <p>As the current central BMP data reporting entity, FCCD would like to convert tabular BMP planning/installation records into a spatial “status tracker” and is looking into existing county resources to establish such a database.</p>	<p>(Existing item altered/added to during 2021 two-year milestone update.)</p> <p>August 2021: This item was originally a broad idea. Item has been updated to reflect opportunities that now exist and can be utilized to move forward in 2022-2023 with tangible and identified partners, targets, resources available, and resources still needed.</p>
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<p>1.3.a</p>	<p>Capacity Building – Workforce (BMP Data Collection & Verification)</p> <ul style="list-style-type: none"> Establish program with staff dedicated to full time BMP data collection and verification. Use technology such as GIS analysis, aerial imagery, and remote sensing to determine unreported BMPs. Implement a survey process for capturing current agricultural best management practices that are unreported as part of the data collection method. Engage a team of BMP experts from applicable sectors to verify BMPs through site visits coinciding with on-site BMP survey. 	<p>Potential Targets</p> <ul style="list-style-type: none"> Pilot program of Tier 1/2 CAP Pilot Counties with partnering organization who will house & administer BMP Data Collection program and associated staff/equipment Expand survey to cover other CAP counties in partner region Deliverables needed from Technical Assistance partners: <ol style="list-style-type: none"> Additional potential partners & stakeholders Framework & organizational structure Roles & responsibilities Draft agreements and contracts Draft job announcement templates 	<p>Potential Partners</p> <p>For Program & Survey Creation:</p> <ul style="list-style-type: none"> DEP UMD EFC Capital RC&D Penn State Extension <p>For Spatial Analysis & Reporting:</p> <ul style="list-style-type: none"> Contracted consultants Universities CLUS <p>For On-site Collection & Verification:</p> <ul style="list-style-type: none"> Retired BMP professionals (both AG/SW) 4R Alliance The Nature Conservancy Penn State Extension Farm Bureau Contracted consultants FFA 4H <p>For Education & Outreach</p> <ul style="list-style-type: none"> SMP Partners listed above 	<ul style="list-style-type: none"> Regional program Begin with Tier 1/2 Pilot Counties Expand to full Capital RC&D Region 	<ul style="list-style-type: none"> Establish pilot program & structure – 2022 Begin spatial analysis – 2022 Begin on-site surveying & verification 2022-2023 Reporting – Continuous (Coinciding with survey & verification timeline) 	<ul style="list-style-type: none"> Participation Resources & funding Appropriate staff Seasonality for BMPs involving vegetation IRB standards & acceptance by CAST model Coordination between agencies Right-to-know 	<p>Existing partnerships</p> <p>Existing survey sufficient for BMP verification standards (PSU)</p> <p>Partner with capacity to administer program and “house” staff</p>	<p>TBD – Currently None</p>	<p>Technical assistance (EFC or other partner) for program framework & organizational details</p> <p>Data collection staff access to Practice Keeper and FieldDoc for reporting</p> <p>Up-to-date aerial imagery</p> <p>Technology & software for spatial analysis and reporting</p> <p>Sufficient staffing</p> <p>Data/Info sharing cooperation agreements (Release of records forms for landowners utilizing other agency programs with confidentiality restrictions)</p>	<p>TBD – Flexible & sufficient funding</p>	<p>August 2021 Update: Conversations have begun with surveying partners (PSU Extension & Capital RC&D) in combination with local landowners to determine a more inclusive survey & verification process, that would limit the number or surveys landowners need to complete.</p> <p>11/25/2020 Update: Penn State Survey was relatively successful. Some farmers were open to completing them, but we did not see as many returned as we would have liked. It has been suggested to us by some farmers that they would consider completing if there was more incentive, or if it was less time-consuming/confusing.</p> <p>As for the Franklin Co. specific portion of this item, the pilot was intended as part of the creation of the Penn State survey. Due to time constraints, Penn State based the survey off of their Lebanon County feedback and no pilot was conducted in Franklin County. Now that the Penn State survey has been released, collected, and reported, this survey item needs no further action and can be considered “complete”. Penn State will continue their survey without further action on the “Pilot survey of 20 Franklin County farms in 2019”.</p>	<p>(Existing item altered/added to during 2021 two-year milestone update.)</p> <p>August 2021: This item was originally (1.3) a broad idea only regarding a survey pilot. Item has been updated (1.3.a) to reflect a more holistic approach, using newly identified opportunities that can be utilized to move forward in 2022-2023 with tangible and identified partners, targets, resources available, and resources still needed.</p>
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1.3.b	<p>Capacity Building – Funding Solutions</p> <p>Evaluate options to leverage private sector funding.</p>	<p><u>Potential Targets</u></p> <ul style="list-style-type: none"> Perform (or contract) study to leverage private sector funding. Deliverables needed from Technical Assistance Partners: <ol style="list-style-type: none"> Additional potential partners & stakeholders Framework & organizational structure Roles & responsibilities Draft agreements and contracts 	<p><u>Potential Partners</u></p> <ul style="list-style-type: none"> UMD EFC Franklin Co. Community Foundation Franklin Co. Visitors Bureau Local Chambers of Commerce Rotary Clubs Lions Clubs Owls Clubs Kiwanis Girl & Boy Scouts of America 	Compare County vs. Regional	<ul style="list-style-type: none"> Perform study – 2022 Stakeholder meetings regarding study results - 2022 Implement study recommendation beginning 2023 	<ul style="list-style-type: none"> Cash flow & fundraising Participation & contributions Outreach & awareness of need for funding Administration & legal 	Existing partnerships Experts to perform study	TBD – Currently None	Experts to perform study	Capital and reliable, consistent cash flow	New item added during 2021 two-year milestone update.	August 2021: This new item was added to describe both the opportunities and challenges that exist regarding private funding to fill existing funding gaps as we proceed in 2022-2023.
1.3.c	<p>Capacity Building – Funding Solutions</p> <p>Explore mitigation banking in Southcentral PA (Potomac Rivershed).</p>	<p><u>Potential Targets</u></p> <ul style="list-style-type: none"> Establish connections with needed partners Information needed to inform decisions regarding mitigation banking in Southcentral PA 	<p><u>Potential Partners</u></p> <ul style="list-style-type: none"> DCNR DEP NRCS EPA USFWS USACOE PAFBC PA Game Commission Private sector mitigation professionals 	Southcentral Pennsylvania (Potomac Rivershed)	2023	<ul style="list-style-type: none"> Interagency Timeline Is there direct benefit to County for scaling up CAP effort? (i.e. Increased funding opportunities) 	Existing models & examples of other stream mitigation bank systems Existing contact & partnership with consultants experienced in this topic Potential sites in Franklin Co. to implement a mitigation bank site	TBD – Currently None	Technical assistance & consultation from mitigation bank experts	TBD – Flexible & sufficient funding	New item added during 2021 two-year milestone update.	August 2021: This new item was added to describe both the opportunities and challenges that exist regarding private funding to fill existing funding gaps as we proceed in 2022-2023. We are exploring mitigation banking as a funding solution due to its source of funds – private sector. Private sector funds open up doors to additional funding we aren't as easily able to access for project implementation or even as source of match.

1.4*	<p>Municipal sector –</p> <ul style="list-style-type: none"> Establish a coordinated approach to stormwater management planning on the watershed or county level (Act 167). Create a systematic process and database for inventorying stormwater management practices and facilities in MS4 and non-MS4 municipalities which could be stored in central county database. (Portion of Item coincides with 1.2) 	<p>Potential Targets</p> <ul style="list-style-type: none"> Evaluation of stormwater management rules and regulation at state, county and local level - examine existing inventory and database systems in municipalities operating under MS4 Permits Receive cost estimates for countywide inventory Capture unreported BMPs on the ground for import into central database 	<p>Potential Partners</p> <ul style="list-style-type: none"> Multi-municipal coordinating structure Look at possibility of utilizing COG structure or another forum 	Countywide	Ongoing	<ul style="list-style-type: none"> Stormwater planning best at a watershed (or higher) level Coordination between local governments, disagreement on structure Identifying “owner” of multi-municipal data (lead entity) How will financial responsibility and authority of structure be defined 	<p>COG (not a technical resource per se, but an existing multi-municipal group)</p> <p>Potentially – UMD Environmental Finance Center</p> <p>Other county models of multi-municipal MS4 structures</p>	<p>Potentially - Technical Assistance grants</p> <p>No other financial resources available</p>	<p>Technical assistance to develop consistent structure</p> <p>Personnel dedicated to managing and troubleshooting new structure (stormwater coordinator and technical assistance)</p> <p>Written guidance, contracts, and agreements regarding new multimunicipal structure</p>	<p>Funds for technical resources needed, structure development, and staffing</p>	<p>August 2021 Update: We changed this item to red as it has been <u>on hold</u>. A portion of this item relates to item 1.2 and will be addressed as an additional item to 1.2. Conversations will resume when a central county database is better established. There are also logistics to be discussed on multi-municipal coordination to plan/manage stormwater at a watershed or county level.</p> <p>11/25/2020 Update: Steering Committee is discussing this topic. CCWAP Coordinator has gained full support of Franklin County Planning Commission and County Commissioners. An invitation has been extended to attend the next Council of Government (COG) meeting to speak with municipality supervisors.</p>	<p>(Existing item altered/added to during 2021 two-year milestone update.)</p> <p>August 2021: No action changes to this item – only formatting/re-wording edits or updates to potential resources that may now be available to our county through 2022-2023 that were not identified in the original plan.</p>
1.5	<p>Municipal sector –</p> <p>Evaluate feasibility of multimunicipal stormwater entity to implement stormwater management practices on a regional scale.</p>	<p>Potential Targets</p> <ul style="list-style-type: none"> Coordinate meeting to assess interest and establish guidelines Research collaborative models from other counties Develop guidelines for implementation and ordinances for adoption 	<p>TBD – municipalities and funding structure will first need to be determined</p>	Open to countywide participation	Initial meeting to Discuss – 2022	<ul style="list-style-type: none"> Coordination between local governments, disagreement on structure Identifying “owner” of multi-municipal data (lead entity) Roles and responsibilities of program administration 	<p>COG (not a technical resource per se, but an existing multi-municipal group)</p> <p>Potentially – UMD EFC</p> <p>Other county models of multi-municipal MS4 structures</p>	<p>Potentially - Technical Assistance grants</p> <p>No other financial resources available</p>	<p>Technical assistance to develop consistent structure</p> <p>Personnel dedicated to managing new structure (stormwater coordinator)</p> <p>Written guidance, contracts, and agreements regarding new multimunicipal structure</p>	<p>Funds for technical resources needed, structure development, and staffing</p>	<p>August 2021 Update: We changed this item to yellow as it has been <u>on hold</u>. Before placing on hold, other counties’ collaborative models were researched. With COVID-19 over the past year, municipalities have had many pressing topics to discuss. There are logistics to be discussed on multi-municipal coordination to plan/manage stormwater at a watershed or county level before actions can be taken to move forward. Coordinator has begun creating relationships with the municipalities, and will resume this item when the municipalities can meet to discuss this topic.</p> <p>11/25/2020 Update: Steering Committee is discussing this topic. Next steps: Hold municipal-specific stakeholder meeting to discuss implementing collaboration on a regional scale.</p>	<p>(Existing item altered during 2021 two-year milestone update.)</p> <p>August 2021: No action changes to this item – only formatting/re-wording edits or updates to potential resources that may now be available through 2022-2023 to our county that were not identified in the original plan.</p>

<p>1.6.a</p>	<p>Data Collection and Prioritization –</p> <p>Assess current state of water quality in local water. Use data to better prioritize watersheds and make larger-scale project decisions.</p> <p>ACTION OPTIONS:</p> <p>1. Install USGS 15-minute nitrate sensing monitors through partnership program at the county level, organized by the state to cover all Chesapeake Bay counties.</p> <p>2. Install USGS 15-minute nitrate-sensing monitors through partnership program at the regional, county, or local level, organized by the applicable regional partner, counties, or municipalities.</p>	<p><u>Potential Targets</u></p> <ul style="list-style-type: none"> • Approved criteria for data collection method & parameters • Written contract outlining data acceptance into CAST (given that approved method is applied) • # of participants in meetings regarding data collection • # of entities or individuals who agree to participate or “pledge” to contribute 	<p><u>Potential Partners</u></p> <p>For option 1.</p> <ul style="list-style-type: none"> • State DEP • Federal EPA or CAST Data Input Team • County • FCCD • USGS <p>For option 2.</p> <ul style="list-style-type: none"> • State DEP • Federal EPA or CAST Data Input Team • County • FCCD • Municipalities • USGS • Ches. Bay Groups • PSU Extension 	<p>For option 1.</p> <ul style="list-style-type: none"> • Statewide effort (installing monitors only where data is lacking) <p>For option 2.</p> <ul style="list-style-type: none"> • Regional, County, or Local level 	<ul style="list-style-type: none"> • Effort coordinated – 2022 • Effort funded & begin collection - 2023 	<ul style="list-style-type: none"> • Funding • Ensuring that data is accepted by & will be used in future CAST models • Education & outreach regarding collection process and effort 	<p>Existing models to aid decision making – proven system in other states (using YSI monitoring technology)</p> <p>Existing, successful USGS partnerships with other county entities</p> <p>USGS technical assistance & equipment maintenance (using partnership program)</p>	<p>Potential local entity funding</p> <p>USGS cost-share contribution</p>	<p>Tier 1 status data</p> <p>Accredited lab to test data</p> <p>Official DEP training to ensure data collection is Tier 1 status</p> <p>Signed & approved DEP/EPA Quality Assurance Plan</p> <p>Monitors</p>	<p>Sufficient funds needed for installation, collection effort & maintenance</p>	<p>New item added during 2021 two-year milestone update.</p> <p>NOTE: To begin this process, Franklin County had observed water quality study performed by the International Commission of the Potomac River Basin (ICPRB). This study was performed due to a large request of “observed” water quality data. Results of study revealed that while at one time, much water quality data was being collected, that it is neither recent nor consistent.</p>	<p>August 2021: This is a new item added to address the results of the study that the county had performed in 2020 (see NOTE in the Annual Progress column). Due to the results of this study, Franklin Co. researched various methods of collecting data, and stakeholders came to the conclusion of a proposed 2-part system. This 2-part system would allow capture of an overall picture, with 1.6.a USGS stations, collecting “bigger picture” data (82.5% of county acreage and county streams, including 75% of county impaired streams) to prioritize watersheds based on more current data. 1.6.b volunteer monitoring, will be used to pinpoint high loading areas in those watersheds to help prioritize BMP implementation.</p>
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<p>1.6.b</p>	<p>Data Collection and Prioritization –</p> <p>Use analysis and large-scale data to better prioritize local data collection within prioritized watersheds for prioritizing BMP implementation.</p>	<p><u>Potential Targets</u></p> <ul style="list-style-type: none"> • Approved criteria for data collection method & parameters • Written contract outlining data acceptance into CAST (given that approved method is applied) • # of participants in meetings regarding data collection • # of monitors or test sites • # of individuals who join the group leading local collection effort - PSU Master Watershed Stewards (MWS) Program • # of volunteers 	<p><u>Potential Partners</u></p> <ul style="list-style-type: none"> • Local Colleges & Universities • PSU MWS • SMP • Watershed Associations • ALLARM • State DEP • Federal EPA or CAST Data Input Team • County • FCCD • USGS 	<p>Countywide, testing where need is determined based on 1.6.a</p>	<ul style="list-style-type: none"> • Effort coordinated – 2022 • Effort funded & begin collection - 2023 	<ul style="list-style-type: none"> • Funding • Ensuring that data is accepted by & will be used in future CAST models • Education & outreach regarding collection process and effort • Private landowner permission for local collection sites • Maintenance of equipment and data for local effort 	<p>Existing partnerships</p>	<p>None</p>	<p>Tier 1 status data</p> <p>Accredited lab to test data</p> <p>Official DEP training to ensure data collection is Tier 1 status</p> <p>Signed & approved DEP/EPA Quality Assurance Plan</p>	<p>Sufficient funds needed for collection effort & maintenance</p>	<p>New item added during 2021 two-year milestone update.</p> <p>NOTE: To begin this process, Franklin County had observed water quality study performed by the International Commission of the Potomac River Basin (ICPRB). This study was performed due to a large request of “observed” water quality data. Results of study revealed that while at one time, much water quality data was being collected, that it is neither recent nor consistent.</p>	<p>August 2021: This is a new item added to address the results that the county had performed in 2020 (see NOTE in the Annual Progress column). Due to the results of this study, Franklin Co. researched various methods of collecting data, and stakeholders came to the conclusion of a proposed 2-part system. This 2-part system would allow capture of an overall picture, with 1.6.a USGS stations, collecting “bigger picture” data (82.5% of county acreage and county streams, including 75% of county impaired streams) to prioritize watersheds based on more current data. 1.6.b volunteer monitoring, will be used to pinpoint high loading areas in those watersheds to help prioritize BMP implementation.</p>
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Franklin County Clean Water Plan - Progress and Milestones

Green - action has been completed or is moving forward as planned **Yellow** - action has encountered minor obstacles **Red** - action has not been taken or has encountered a serious barrier

Action #	Description	Performance Target(s)	Responsible Party(ies) and Partnerships	Geographic Location	Expected Timeline	Potential Implementation Challenges or Recommendations	Resources Available		Resources Needed		Annual Progress to Date (2020 + 2021) <small>*add new 2021 progress above the existing 2020 progress. Date each entry</small>	Reason for Change to Action Item (2022-2023 milestone period)
							Technical	Financial	Technical	Financial		
Priority Initiative 2: Nutrient Reduction Goals & BMP Implementation												
2.1	<p>Best Management Practices –</p> <p>Establish a set of BMPs that will achieve required nutrient load reductions in an efficient and cost-effective manner</p> <p>(see BMP targets)</p>	<p><u>Potential Targets</u></p> <ul style="list-style-type: none"> Identify BMPs that may be feasible to achieve by 2025 Stay up to date on progress using: <ol style="list-style-type: none"> CAST credited reports PK reports FieldDoc reports 	<p><u>Potential Partners</u></p> <ul style="list-style-type: none"> FCCD FCPC Local municipalities DEP EPA SRBC/CAST team Local stakeholders & organizations 	Countywide	<ul style="list-style-type: none"> Targets determined 2019 Targets reevaluated in 2021 Implementation by 2025 	<ul style="list-style-type: none"> Considerable resource limitations on municipal and private enterprise levels to collect data Complex regulations prevent ready access to data Cost of incentives for BMP adoption Funding & permitting roadblocks Timeline Participation 	Existing partnerships	Grant & funding programs	<p>Trained engineering & technical staff to oversee, design, install and maintain BMP initiatives</p> <p>Staff to educate, coordinate and implement</p>	<p>Sufficient funds needed to implement BMPs</p> <p>Maintenance, inspections & re-verification</p> <p>Initial 2019 estimate \$15,000,000 for Ag BMPs with possible another \$10,000,000 for additional waste management</p> <p>Initial 2019 estimate \$4,500,000 for municipal sector BMPs</p>	<p>August 2021 Update: FCCD, a CWFC Partner, has continued with their proactive approach and have been very successful with matching landowners to funding over the last year. The list of BMP goals, created in 2019, has been distributed all throughout the county, creating project lists of landowners for these BMPs. Other entities have also pursued their own funding avenues for projects that fall within the scope of our BMP goals.</p> <p>11/25/2020 Update: BMP Plan has been finalized and submitted to DEP (2019). Implementation of plan in underway (see FieldDoc for details). Assessment of projects & BMP needs with willing/able landowners are constant. These opportunities and needs will be factored into 2021 FCo CAP Milestone Update if applicable.</p> <p>In order to accelerate BMP Implementation, extreme focus has been placed on finding sufficient funds for landowner projects that have been “on hold” (due to funding). FCCD was successful in securing significant funding in 2020 to complete as many of these projects as possible in 2021. FCCD continues to strive for “a steady stream of funds” moving forward.</p> <p>Additionally, FCCD has taken a proactive approach to be sure</p>	<p>(Existing item altered/added to during 2021 two-year milestone update.)</p> <p>August 2021: No action changes to this item – only formatting/re-wording edits or updates to potential targets, challenges, or resources that are now identified as we proceed through 2022-2023 that were not in the original plan.</p>

											<p>they are able to match landowners with available funding. Securing funding with specific projects in mind (and vice versa) is the key to being sure no funding is “wasted” or “missed out on”. Furthermore, a key step of this proactivity is ensuring landowners are “ready to go” with completed designs and approved permits which is much more attainable with the hiring of FCCD’s engineer. Other proactive actions include meetings with municipalities to collaborate on mutually beneficial projects, holding private industry educational events for large scale landowner outreach, and utilizing our on-staff engineer who was hired in January 2020.</p>	
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2.2*	<p>BMP Programs & Policies –</p> <ul style="list-style-type: none"> • Evaluate current system of incentives & penalties for BMPs and define enhanced incentive program for BMPs with greatest impact on nutrient loads to get landowner buy in. • Revise model ordinances to reflect current pollution reduction targets and BMPs. • Develop incentive programs for voluntary adoption of BMPs in developed areas and consider an offset program for implementation of high-impact BMPs in agricultural areas. 	<p><u>Potential Targets</u></p> <ul style="list-style-type: none"> • Review overall impact of existing programs & evaluate feedback • Stakeholder meetings with locals about programs they would benefit from • Consult with communities, particularly those under MS4 regulations, to develop model ordinances that address nutrient, sediment, and stormwater management • Expand “Be the Solution” series and stakeholder meetings to broaden understanding of ordinance needs and the application of BMPs 	<p><u>Potential Partners</u></p> <ul style="list-style-type: none"> • EPA • DEP • USDA • FCPC • FCCD • PSU Extension • SMP • Farm Bureau • Municipalities • Other local partners & stakeholders 	Compare County vs. Regional	<ul style="list-style-type: none"> • Partnership connection & research – 2022 • Draft incentive program structure - 2022 • Development and distribution of ordinances for comment and/or adoption – 2023 	<ul style="list-style-type: none"> • Program participation • Ordinance adoption & resident resistance • BMP post-installation maintenance • Start-up costs for new practices • Funding eligibility • Inter-agency 	Existing partnerships Existing models Multi-municipal group (COG)	TBD	Technical assistance to develop new ordinances and framework for new programs Staffing Program administration	TBD – Flexible & sufficient funding	<p>August 2021 Update: Since the 2020 update, the current system of incentives has been evaluated by groups of stakeholders. We have been discussing programs that other counties facilitate that may work in Franklin County as well. This item is still in the exploration phase, but we have gathered the overall needs into 4 groups, described in the sub-items below (2.2a-d).</p> <p>11/25/2020 Update (2.2): Potential countywide incentive options are being discussed with other FCo offices. If countywide incentives prove to be not feasible, municipal level assessment will follow.</p> <p>Funding options to assist with farmer cost-share are continuously being researched/assessed (as funding is our largest roadblock).</p> <p>Favorable incentive ideas included monetary incentives, such as bill discounts/tax credits. A meeting was held with FCPC to discuss such options. FCPC offered to discuss with the tax-office feasibility of county-wide incentives through their office. Follow up meetings will take place in 2021.</p> <p>11/25/2020 Update (2.7): We are working on the procurement of private funding to assist with cost-share for landowners. This incentive program would assist with outreach and implementation as well as incentivize landowners to install BMPs.</p>	<p>(Existing 2019 Plan items 2.2 & 2.7 combined/alterred during 2021 two-year milestone update.)</p> <p>August 2021: This item existed in the previous version of the plan (and is a combination of former items 2.2 and 2.7). Targets, partners, challenges, and resources have been reevaluated and identified to assist with implementation through 2022-2023. An additional action item was added to the description to expand potential opportunities surrounding the original item phrase, “evaluate current system of incentives...” regarding “BMP Programs & Policies”.</p>
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<p>2.2.a</p>	<p>BMP Incentive & Assistance Programs – Developed/MS4</p> <ul style="list-style-type: none"> BMP incentive for MS4 communities. Incentives such as tax credits or impervious fee discounts for developers, organizations, commercial sector, etc. willing to implement BMPs additional to those required by stormwater protection plans. Incentivize land & business owners at county level to report non-reported BMPs. 	<p><u>Potential Targets</u></p> <ul style="list-style-type: none"> # of stakeholder meetings and interest Draft written program outline # of municipalities participating 	<p><u>Potential Partners</u></p> <ul style="list-style-type: none"> County COG & Municipal Leaders Funders Capital RC&D SMP 	<p>Compare County vs. Municipal</p>	<ul style="list-style-type: none"> Partnership connection & research – 2022 Draft program structure - 2023 	<ul style="list-style-type: none"> Bidding requirements for implementation On-site land availability Funding eligibility Inter-agency 	<p>Existing local fee structures</p>	<p>Potential local entity funding</p>	<p>Program structure (contracts & agreements)</p> <p>Technical Assistance (consultants)</p> <p>Fee structure assistance for some municipalities</p>	<p>Flexible & sufficient funding</p>	<p>New item added during 2021 two-year milestone update.</p> <p>NOTE: Identified need to incentivize new construction projects to implement BMPs additional to those required. Could potentially model this program off of an existing tax credit program or fee structure discount program. Could be implemented at local level using local ordinances (fee & discount structure).</p>	<p>August 2021: This is a new item added as a sub-item of the existing 2.2. We decided to identify opportunities regarding BMP Programs and Policies in 4 categories with targets, partners, challenges, and resources identified for each “BMP group”.</p> <p>This specific sub-group was added to look further throughout 2022-2023 at ways to encourage the developed sector and MS4 areas to implement more than what is required of them.</p>
<p>2.2.b</p>	<p>BMP Incentive & Assistance Programs – Advanced Nutrient Management</p> <p>Advanced nutrient management BMP program at county level that includes incentive or cost-share for plan development, pre-sidedress nitrogen testing (PSNT), and other nutrient management planning technologies.</p>	<p><u>Potential Targets</u></p> <ul style="list-style-type: none"> # of plans on current waitlists Organizational structure & framework Draft written program outline # of stakeholder meetings and interest # of acres reported and/or N reduced # of attendees at outreach event 	<p><u>Potential Partners</u></p> <ul style="list-style-type: none"> FCCD PSU Extension SMP Capital RC&D Industry Professionals 4R Stroud Water Research CBF Farm Bureau 	<p>Compare County vs. Regional</p>	<ul style="list-style-type: none"> Partnership connection & research – 2022 Draft program structure - 2023 	<ul style="list-style-type: none"> Weed management Funding eligibility Convenient and cost-effective for landowner Administration capacity for soil testing 	<p>Green seeker technology at PSU Extension</p> <p>Existing models for pre-side dress testing program</p> <p>On-going 4R research</p> <p>Existing partnerships</p>	<p>TBD – Currently None</p>	<p>Staff (workforce capacity)</p>	<p>Flexible & sufficient funding</p>	<p>New item added during 2021 two-year milestone update.</p> <p>NOTE: Identified need to incentive landowners to implement practices that are unconventional to their previous operation management (to try something new) on at least a portion of the operation. Could potentially model this program off of FCCD’s streamside grass buffer.</p> <p>Incentive amount would be determined based on soil testing and amount of land enrolled into program.</p>	<p>August 2021: This is a new item added as a sub-item of the existing 2.2. We decided to identify opportunities regarding BMP Programs and Policies in 4 categories with targets, partners, challenges, and resources identified for each “BMP group”.</p> <p>This specific sub-group was added to look further throughout 2022-2023 at ways to assist and encourage the ag community in increasing the rate of implementation of ag BMPs. This sub-item aims to further delve into ways to encourage advanced nutrient management throughout the county.</p>

2.2.c	<p>BMP Incentive & Assistance Programs – Ag Erosion & Sediment Control</p> <ul style="list-style-type: none"> County level incentive program for cover crops, residue tillage, grassed waterway, and other erosion control BMP implementation for soil protection. Secure long-term funding for FCCD grass buffer program 	<p><u>Potential Targets</u></p> <ul style="list-style-type: none"> Organizational structure & framework Draft written program outline # of stakeholder meetings and interest # of acres reported and/or N reduced # of attendees at outreach event 	<p><u>Potential Partners</u></p> <ul style="list-style-type: none"> FCCD PSU Extension SMP Capital RC&D Industry professionals PA No-Till Alliance Stroud Water Research CBF Farm Bureau 	Compare County vs. Regional	<ul style="list-style-type: none"> Partnership connection & research – 2022 Draft program structure - 2023 	<ul style="list-style-type: none"> Weed management Funding eligibility Convenient and cost-effective for landowner 	Existing models	TBD – Currently None	Technical Assistance (consultants) Staff (workforce capacity)	Flexible & sufficient funding	<p>New item added during 2021 two-year milestone update.</p> <p>NOTE: Identified need to incentive landowners to implement practices that are unconventional to their previous operation management (to try something new) on at least a portion of the operation. Could potentially model this program off of FCCD’s streamside grass buffer.</p> <p>Incentive amount would be determined by amount of land enrolled into program.</p>	<p>August 2021: This is a new item added as a sub-item of the existing 2.2. We decided to identify opportunities regarding BMP Programs and Policies in 4 categories with targets, partners, challenges, and resources identified for each “BMP group”.</p> <p>This specific sub-group was added to look further throughout 2022-2023 at ways to assist and encourage the ag community in increasing the rate of implementation of ag BMPs. This sub-item aims to further delve into ways to encourage agricultural erosion and sediment control throughout the county, including buffer implementation.</p>
2.2.d	<p>BMP Incentive & Assistance Programs – Streamlined Stream Restoration</p> <p>Explore solutions to the timing roadblock regarding funding/permitting for stream restoration projects.</p>	<p><u>Potential Targets</u></p> <ul style="list-style-type: none"> Establish connections with needed partners Information needed to implement solutions for this issue 	<p><u>Potential Partners</u></p> <ul style="list-style-type: none"> Conservation Districts DEP Municipalities County Funders Private Consultants USFWS Trout Unlimited Stroud Water Research 	Statewide (permits involved)	<ul style="list-style-type: none"> Partnership connection & research – 2022 Solution discussions 2023 	<ul style="list-style-type: none"> Proposing changes to a large, existing system Programmatic and regulatory challenges 	TBD – Currently None	TBD – Currently None	TBD	Flexible & sufficient funding	<p>New item added during 2021 two-year milestone update.</p> <p>NOTE: Identified need for a system that expedites permits required for funding application timelines.</p> <p>Identified need for 100% cost-share for restoration projects or more flexible options for eligible match.</p>	<p>August 2021: This is a new item added as a sub-item of the existing 2.2. We decided to identify opportunities regarding BMP Programs and Policies in 4 categories with targets, partners, challenges, and resources identified for each “BMP group”.</p> <p>This specific sub-group was added to look further throughout 2022-2023 at ways to assist and encourage landowners in increasing the rate at which they restore stream reaches. We continue to have many landowners interested in conservation practice, but sometimes lose interest or move on while they are on hold for funding or a permit.</p>

<p>2.3</p>	<p>BMP Prioritization –</p> <ul style="list-style-type: none"> • Identify key watershed areas for installation of BMPs with greatest net effect. • Identify key parcels for installation of BMPs with greatest net effect. • Define priority areas for riparian buffers. 	<p><u>Potential Targets</u></p> <ul style="list-style-type: none"> • GIS mapping & inventory of priority riparian buffer installation areas • Identify targeted funding for prioritized installations (ongoing) • # of landowners reached • # of watershed group buffer plantings • Assessment of existing buffers & maintenance needs • Establish stream monitoring to assist in determining priority area and to document impact of installation of BMPs (See items 1.6.a & 1.6.b) 	<p><u>Potential Partners</u></p> <ul style="list-style-type: none"> • FCCD • FCo. GIS • PSU Extension • SHIP CLUS • CBF • TNC • Local watershed groups • Local municipalities • Monitoring will identify priority area and document water quality needs & improvements related to BMP installation - may find additional partner needs (See items 1.6.a & 1.6.b) 	<p>Countywide</p>	<ul style="list-style-type: none"> • ID Key watersheds – 2020 • Buffer opportunity GIS layer – 2020 • Existing buffer inventory – 2023 • GIS priority parcel analysis – 2022 • Begin monitoring BMP effectiveness through water quality monitors – 2023 	<ul style="list-style-type: none"> • Land taken out of production for some BMPs • Landowner participation & incentive • Personnel to conduct parcel prioritization analysis • Staff needed to coordinate outreach 	<p>Existing partnerships</p> <p>Buffer opportunity GIS layer (as of 2020)</p> <p>Coordinator (as of 2020)</p> <p>GIS software in-house (as of 2020)</p>	<p>ESRI Conservation Program (for GIS software)</p> <p>Coordinator funding</p>	<p>Personnel dedicated to outreach & coordination efforts</p> <p>Trained staff for data monitoring equipment</p> <p>Time, staff, or contractor funds to dedicate to GIS parcel prioritization analysis</p>	<p>TBD – Flexible & sufficient funding</p>	<p>August 2021 Update: FCCD staff and additional CWFC Partners continue to work with landowners interested in stream related projects to also assess buffer suitability within their riparian zones. Franklin County also recently established the PSU Master Watershed Stewards program who also plan to work with landowners in this capacity.</p> <p>We continue to reference our identified priority watersheds for project and outreach planning for the upcoming year of funding.</p> <p>11/25/2020 Update: DEP has provided buffer opportunity area data. FCCD Watershed Specialist is working with landowners interested in stream related projects to also assess buffer suitability within their riparian zones.</p> <p>ICPRB is currently working on a study of observed water quality over time in the county which will be completed in December of 2020. This study will help further pinpoint priority areas as well as improved areas throughout the county leading to more efficient allocation of effort and funds.</p> <p>Team is working with Ag Industry professionals to engage farmers in BMP education and installation through a grant. The purpose of this effort is to equip the professionals to provide large scale outreach to farmers about the CAP and BMPs that could improve both their operation and water quality.</p> <p>Team performed a map assessment to ID key subsheds/catchments within the county. They are starting with the “Tier 1” subsheds – defined as being high N loading areas that feed an impaired stream. Tier 1</p>	<p>(Existing item altered/added to during 2021 two-year milestone update.)</p> <p>August 2021: This item existed in the previous version of the plan. Targets, partners, challenges, timeline, and resources have been reevaluated and identified.</p> <p>Team is working with Ag industry professionals to engage farmers in BMP education and installation through a grant. The purpose of this effort is to equip the professionals to provide large scale outreach to farmers about the Clean Water Plan and BMPs that could improve both their operation and water quality.</p> <p>Partners are also planning future outreach events in these watersheds throughout 2022-2023. Considering partners to perform remaining analysis piece of this item: “Identify key parcels for installation of BMPs with greatest net effect.”</p>
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											<p>subsheds receive additional focus in the form of outreach and application for additional funding. Examples of action taken/planned in these watersheds include, but are not limited to:</p> <ol style="list-style-type: none"> 1. Subshed A was the subject of a Section 319 grant application for funds to develop a HUC 12 level WIP. 2. Subshed B is being considered for a NFWF Small Watershed Grant application that will include BMP Implementation, Education, Workshops, etc. for lasting impact in the subshed. <p>Chesapeake Bay Foundation, Alliance for the Chesapeake Bay, and Local watershed groups are being considered as partners for any upcoming buffer projects.</p>	
2.4	<p>Program Data Management & Project Planning –</p> <p>Prepare GIS database of proposed installation of all BMPs in BMP Targets Plan.</p>	<p><u>Potential Targets</u></p> <ul style="list-style-type: none"> • Map all existing BMPs and proposed BMPs in project planning software to aid in planning purposes (See item 1.2) • Provides ongoing data/benchmark 	<p><u>Potential Partners</u></p> <ul style="list-style-type: none"> • FCCD • FCo. GIS • PSU Extension • SHIP CLUS • CBF • TNC • Local watershed groups • Local municipalities 	Countywide	2023	<ul style="list-style-type: none"> • Inter-agency • Right-to-know • Database management • Participation of community – awareness of ALL BMPs 	<p>Potential software</p> <p>Personnel to create database & perform BMP placement analysis</p>	TBD – Currently none	Personnel dedicated to database management	TBD – Flexible & sufficient funding	<p>August 2021 Update: We are considering working with a local partner to assess Potential BMP Placement. (See <u>Potential Partners</u> to the left for considerations.)</p> <p>11/25/2020 Update: Team is working on in-house BMP Inventory and discussing data verification methods (Steering Committee and GIS Professionals).</p> <p>This inventory will be a GIS dataset that houses all past, present, and future implantation of creditable BMPs.</p> <p>Will include:</p> <ol style="list-style-type: none"> a. PK spatial/tabular data export b. Newly implemented BMPs <p>Discussion for maintenance of dataset will also occur among data teams.</p> <p>Further details on the status of this item are listed in the update of Action #1.2.</p>	<p>(Existing item altered/added to during 2021 two-year milestone update.)</p> <p>August 2021: Item has been updated to reflect opportunities that now exist and can be utilized to move forward in 2022-2023 with tangible and identified partners, targets, resources available, and resources still needed.</p>

2.5*	Commercial & Residential Fertilizer – Implement an efficient documentation program to track commercial & homeowner nutrient applications on developed land.	<u>Potential Targets</u> <ul style="list-style-type: none"> • Provide support for current fertilizer legislation • Conduct education event for commercial landscape industry and homeowners • Identify acreage for urban nutrient management plans 	<u>Potential Partners</u> <ul style="list-style-type: none"> • DEP • Landscape industry & organization • Non-profits 	Statewide	2020 (on hold until bill is through legislation)	<ul style="list-style-type: none"> • Contingent upon legislation • (If Bill doesn't pass, will not be able to implement this action.) • Reliant among industry 	CAST analysis (see notes) Pass state legislation	TBD – Currently none	TBD	TBD – Flexible & sufficient funding	August 2021 Update: No update to this item until legislation is passed. 11/25/2020 Update: See details to the left. This item is dependent upon a bill which has not yet been passed. Therefore, we are not yet able to take any action on this item. NOTE from 2019 Plan: Commercial and home use of nutrients should be evaluated in the CAST model, more data is needed on what application levels are currently.	(Existing item altered/added to during 2021 two-year milestone update.) August 2021: No action changes to this item – only formatting/re-wording edits.
2.6	BMP Programs & Policies – Evaluate feasibility for establishment of ordinances on a countywide or multimunicipal scale to promote BMPs around stormwater for land use and development plans. <i>(relates to items 1.4, 1.5, & 2.2)</i>	<u>Potential Targets</u> <ul style="list-style-type: none"> • Research model ordinances and “Conservation by Design” • Convene municipal working group to discuss best practices • Draft incentives for establishment of ordinances at municipal level 	<u>Potential Partners</u> <ul style="list-style-type: none"> • FCPC • COG (local municipalities) 	Countywide	Contingent upon (as they are an addition to) items 1.4, 1.5, & 2.2	<ul style="list-style-type: none"> • Contingent upon (as they are an addition to) items 1.4, 1.5, & 2.2 • Inter-agency • Different local priorities 	Existing ordinances to serve as models	TBD	TDB – Flexible & sufficient assistance	TBD – Flexible & sufficient funding	August 2021 Update: Potential countywide incentive options are being discussed with other FCo offices. If countywide incentives prove to be not feasible, municipal level assessment will follow. Consider utilizing tools, such as preservation easements, and include educational goals for residents which attain benefits for reducing fertilizer use or establishing rain gardens, other BMPs. 11/25/2020 Update: Potential countywide incentive options are being discussed with other FCo offices. If countywide incentives prove to be not feasible, municipal level assessment will follow. Funding options to assist with cost-share are continuously being researched/assessed (as funding is our largest roadblock). Coordinator has pursued conversations with other county partners on this topic. Further details on the status of “county-wide incentives” are listed in the update of Action #2.2.	(Existing item altered/added to during 2021 two-year milestone update.) August 2021: No action changes to this item – only formatting/re-wording edits and one additional potential target identified as we proceed through 2022-2023 that were not in the original plan.

Franklin County Clean Water Plan - Progress and Milestones

Green - action has been completed or is moving forward as planned **Yellow** - action has encountered minor obstacles **Red** - action has not been taken or has encountered a serious barrier

Action #	Description	Performance Target(s)	Responsible Party(ies) and Partnerships	Geographic Location	Expected Timeline	Potential Implementation Challenges or Recommendations	Resources Available		Resources Needed		Annual Progress to Date (2020 + 2021) <small>*add new 2021 progress above the existing 2020 progress. Date each entry</small>	Reason for Change to Action Item (2022-2023 milestone period)
							Technical	Financial	Technical	Financial		
Priority Initiative 3: Communication, Education & Outreach												
3.1	<p>Communication –</p> <ul style="list-style-type: none"> Develop a communications strategy to communicate parallel goals of county plan and local goals such as public and environmental <u>health</u>, economic development, and others. Create a communication plan that reflects positive, local focus on all materials. Focus on win-win scenarios, future of county water, and community benefit. 	<p>Potential Targets</p> <ul style="list-style-type: none"> Countywide water celebration/event – showcase all water-related groups & businesses in one place Continue “Be the Solution” handout series – scale up distribution Continue educational signage at local streams Continue & scale up industry stakeholder events so trusted consultants can share with clients Develop list of contacts for coordinator to meet with 1-1 	<p>Potential Partners</p> <ul style="list-style-type: none"> FCCD Franklin Co. PSU Extension Local water groups The Institute Local municipalities Local schools Local businesses Capital RC&D TNC CBF ACB SMP CLUS PACD Local Chambers Visitor’s Bureau Community Foundation Non-profits 	Countywide	<ul style="list-style-type: none"> Communication Plan – 2020 (ongoing) “Be the Solution” handout series – 2021 (ongoing) Industry stakeholder meetings – 2020 (ongoing effort) Communication that parallels other local goals – 2022 Water event – 2023 	<ul style="list-style-type: none"> Meeting and event participation Building community trust and positive perception around Plan Funding Coordination & planning large events (COVID-19, time consuming, & expensive) 	<ul style="list-style-type: none"> Handout template Existing partnerships Signage templates 	<ul style="list-style-type: none"> TC Energy Community Grant Additional funding needs TBD 	<ul style="list-style-type: none"> Personnel for (or funding to contract) outreach, education and coordination 	TBD – Flexible & sufficient funding	<p>August 2021 Update: We continue to utilize our existing communication plan and make adjustments as needed. Momentum has begun to increase as we focus on local needs and priorities regarding water, soil health, recreation, etc. We plan to continue this communication through the use of our “Be the Solution” handout series that has been so well received (see our first two editions, “Ag BMPs” and “Backyard BMPs”). We also plan to continue our message through more educational material distribution and events for local landowners. Examples include stakeholder meetings, meetings with local leaders & the COG, Conservation Farm Tour, Ag Industry Meeting, etc.</p> <p>11/25/2020 Update: Coordinator developed a communication plan at the start of the position. This plan is referred to for all communication, outreach, etc. Plan was developed to ensure all people relaying the message of the Plan are delivering a consistent message. Part of this plan was the rebranding of the Plan to focus on “Clean Water for Franklin County”, a local campaign or initiative, more relevant to the general public and neighbors of FCo.</p> <p>Since development of the communication plan, interactions about the Plan and</p>	<p>(Existing item altered/added to during 2021 two-year milestone update.)</p> <p>August 2021: This item existed in the previous version of the plan. Targets, partners, challenges, timeline, and resources have been reevaluated and identified to assist with implementation as we proceed through 2022-2023. An additional action regarding communication plan was added as were some additional timeline items to show progress to date.</p>

											<p>need for BMP Implementation have been much more pleasant, understanding, and open-minded with a positive result of follow through on BMP discussions and implementation.</p> <p>Also among Steering Committee discussion is the implementation of education and outreach events, using the communication plan and outreach funds to accomplish widespread distribution of the initiative and its goals.</p>	
3.2	<p>Education –</p> <p>Utilize existing resources to engage educational objectives.</p>	<p><u>Potential Targets</u></p> <ul style="list-style-type: none"> • Create list of online courses, webinars & How-To videos to share on our pages • Share PSU Extension & other partners' existing resources • Share partner list, contact info & volunteer opportunities online 	<p><u>Potential Partners</u></p> <ul style="list-style-type: none"> • EPA • DEP (CWA) • ACB • CBF • FCCD • PSU Extension • Local municipalities • Educational institutions & non-profits 	Countywide	<ul style="list-style-type: none"> • Create and share partner contact list and volunteer groups – 2020 (ongoing) • Create Facebook page – 2020 • Share partners' existing resources – 2020 (ongoing) • List of courses, webinars, & training topics to share – 2022 	<ul style="list-style-type: none"> • Many moving parts (time & resources) to coordinate and maintain • Need willing participants 	<p>Existing templates and models to work from</p> <p>Existing partnerships</p>	<p>TC Energy Community Grant</p> <p>Additional funding needs TBD</p>	<p>Personnel for (or funding to contract) outreach, education and coordination</p> <p>Potential software needs</p>	<p>TBD – Flexible & sufficient funding</p>	<p>August 2021 Update: We have continued to utilize our Facebook and Website to share news and funding information. This year, we have created a “Partners & Stakeholders” email list where we share funding announcements and other resources & opportunities. This email list now has a “sign-up” registration form where people can register to receive email updates from CWFC.</p> <p>Additionally, we identified some other resources that can be shared through existing platforms, identified in the columns to the left.</p> <p>11/25/2020 Update: To utilize existing resources, our team has been distributing articles, social media posts, and more to other groups and organizations who can help expand our reach. Newsletters, Facebook, our Website, and our Annual Report are our largest outlets.</p> <p>Last month, our Facebook page reached 137 subscribers and a single post reached ~6,300 people with ~200 engagements. The last Newsletter article about the CAP was successful and resulted in calls to the coordinator’s direct line, asking for help with water related</p>	<p>(Existing item altered/added to during 2021 two-year milestone update.)</p> <p>August 2021: This item existed in the previous version of the plan. Targets, partners, challenges, timeline, and resources have been reevaluated and identified to assist with implementation as we proceed through 2022-2023. Some additional timeline items were added to show progress to date.</p>

											<p>issues. FCCD will be distributing another newsletter in December 2020.</p> <p>Our team is in the process of looking for partners such as schools or entities of public lands to install and showcase real life BMPs and educate viewers/passersby on the needs/function of different BMPs. An additional and crucial component to this education idea is to also create and distribute “How-To” educational materials in which professionals demonstrate how to properly construct or implement the BMPs. CAP Team is utilizing existing resources and templates for these items where applicable and leaning on private industry to assist in the distribution of such materials which are provided at outreach events.</p>	
3.3	<p>Outreach –</p> <ul style="list-style-type: none"> Develop a focused effort to promote BMPs in agricultural community. Develop a focused effort to promote BMPs in the developed community. 	<p>Potential Targets</p> <ul style="list-style-type: none"> Evaluate best way to communicate innovative practices and models List of additional communities of practice to establish so that practitioners can share experiences and learn from others – i.e. grazing group forum Create targeted informational materials that relate specifically to each sector Publicly recognize existing effort in ag community – i.e. recurring recognition column 	<p>Potential Partners</p> <ul style="list-style-type: none"> EPA DEP USDA FCCD PSU Extension 4R Alliance Capital RC&D Ag Community Chesapeake Commons SMP TNC Developers 	Compare County vs. Regional	<ul style="list-style-type: none"> List of possible communication avenues – 2022 List of additional communities of practice (forums) – 2022 Ag specific educational materials – 2020 List of avenues to publicly recognize ag community – 2022 Establish regular recognition in one of the mediums determined above – 2022 Letter template to locals to ask if they would like to be interviewed for 	<ul style="list-style-type: none"> Many moving parts (time & resources) to coordinate and maintain Need willing participants 	<p>Existing templates and models to work from for some items identified</p> <p>Existing partnerships for some items identified</p>	TC Energy Community Grant Additional funding needs TBD	Personnel for (or funding to contract) outreach, education and coordination Potential software needs	TBD – Flexible & sufficient funding	<p>August 2021 Update: CWFC received a grant in 2020 funding an educational handout to distribute at an all-day education event for the Agriculture Industry to learn about BMPs and nutrient reducing conservation practices.</p> <p>We plan to continue educational events with the ag community, but we are also working to duplicate this effort in the developed sector involving both educational materials and events for those living or working in the Franklin County developed sector.</p> <p>11/25/2020 Update: CCWAP Coordinator has received grant funding for an education one-pager (reference sheet) to distribute at an all-day education event where Ag Industry members will learn about the CAP and how/why to educate the farmers they work</p>	<p>(Existing item altered/added to during 2021 two-year milestone update.)</p> <p>August 2021: This item existed in the previous version of the plan. Targets, partners, challenges, timeline, and resources have been reevaluated and identified to assist with implementation as we proceed through 2022-2023.</p> <p>Our team has been awarded this same grant and plans to continue outreach in the ag community (<i>described in items 3.1 - 3.3</i>) using this funding, but it is minimal and more will be needed to truly accomplish all goals listed throughout Priority Initiative 3.</p>

		<p>in existing publication, website, or forum</p> <ul style="list-style-type: none"> • Scale up outreach efforts in developed community - work with developers and residents to increase Clean Water BMPs in communities 	<ul style="list-style-type: none"> • HOAs • Local residents 		recognition – 2022						<p>with on a daily basis.</p> <p>*The one-pager/reference sheet will be a heavy-duty card stock that can be hung in the farmers home/office/etc. and describes Ag BMPs and their benefits. It will also describe the BMPs' benefits to their personal lives aside from the great things each will do for their farms. The reference sheet will also include the contact information of the Conservation District and include a short survey gauging the farmer's knowledge of/need for BMPs. The idea is that they will receive this information from an individual they trust/advises their business, learn about the benefits of BMPs, and call us for assistance and guidance of how to proceed with installing BMPs that work for them and significantly reduce nutrient loading.</p>	<p>To continue the handout series, CWFC plans to next create a "Be the Solution" handout for the developed sector (in addition to the General Public handout created in Summer 2021). CWFC partners also mentioned wanting to begin outreach with a "Clean Water table" at existing local events such as farmers markets, and other events with large crowds of residents.</p>
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Green - action has been completed or is moving forward as planned

Yellow - action has encountered minor obstacles

Red - action has not been taken or has encountered a serious barrier

Action #	Description	Performance Target(s)	Expected Timeline	Potential Implementation Challenges	Potential Recommendations on Improvement	Resources Needed				Reason for Change to Action Item (2022-2023 milestone period)
						Technical	Suggested Source	Financial	Suggested Source	

Programmatic Initiative 1: Programmatic, Policy and Regulatory Changes

1.1*	<p>Organizational Structure –</p> <p>Integrate Chesapeake Bay planning efforts with county planning through dedicated personnel available to support local goal implementation and address capacity issues on a county-by-county basis.</p>	<ul style="list-style-type: none"> Organizational chart for all participating entities with roles and responsibilities developed. Share chart with county partners. Hire state level staff Necessary information identified for exchange reporting criteria Schedule for reports established in data verification process manual 	2022	<ul style="list-style-type: none"> Integrated staff should be at DEP level but with frequent interaction in collaboration with county staff. 2-3 staff at DEP for administration of program, and at least 1 dedicated staff person at Franklin County Program needs to recognize and provide support for plan implementation for counties’ unique needs 	<ul style="list-style-type: none"> Adequate staff to lead program development. Additional staff needed to address capacity issues such as data reporting/verification, plan writing at CDs, program administration specialists, etc. Implementation efforts have increased workload at the county level. With more projects to complete on a quicker timeline, additional assistance is needed to facilitate these efforts and the capacity of this new work. 	Staff will need to be hired to lead and coordinate the Plan effort.	Source: State and County part to be determined	State and local funds sufficient for staffing.	Suggested source: State/Local	<p>(Existing item altered/added to during 2021 two-year milestone update.)</p> <p>August 2021: This item was originally a broad idea. Since this item was created, CBO staff and coordinators have been hired & facilitating CAP effort. This item has been updated to look further into additional needs identified through implementation process.</p>
1.2*	<p>Program Efficiency –</p> <ul style="list-style-type: none"> Establish a pollution reduction policy that consolidates sediment, nutrient, and stormwater requirements into a single plan for counties within the Chesapeake Bay watershed (MS4/TMDL/WIP3 and Act 167 requirements) Develop uniform standards and regulations for pollution reduction within the Chesapeake Bay region to decrease cross- 	<ul style="list-style-type: none"> Establish clear guidelines with input from local municipal levels Gain required approvals of plan guidelines from state and federal agencies Develop a pilot program to test guidelines within representative counties Identify funding for plan development, requirements and metrics Train county and municipal staff on consolidated plan requirements and implementation Complete rollout of revised guidelines with adequate staffing support from DEP for Implementation 	2023	<ul style="list-style-type: none"> Currently, there are challenges with scale of implementation, with redundancy in the system, and a lack of consistency in the inspection and review process. Currently, the required plans don’t communicate well with one another and the process of reworking them will be complex. If/When the policies are established, there remain obstacles in the form of lack of staffing and funding for program implementation. Nonetheless, these recommendations are an attempt to increase and direct funding to nutrient reduction projects in the 	<ul style="list-style-type: none"> Institutional barriers exist to optimizing implementation of pollution reduction measures. The recommended policy changes would make it easier to fund and implement projects with the greatest nutrient reduction potential. The challenge is gaining consensus and approval from required levels of government. We feel this process is needed to pool resources, get widespread buy in and increase efficiencies towards meeting objectives. It will encourage municipalities to think on a watershed- wide basis rather than MS4 regulated/non-MS4 	Staff at state and county level	State/local	State/local	State/local	<p>(Existing item altered/added to during 2021 two-year milestone update.)</p> <p>August 2021: No action changes to this item – only formatting/re-wording edits.</p> <p>Due to the scale of this request and limitations of creating a “single plan” across multiple geographies and agencies in such a short time, Franklin County has decided to find a creative, county-level solution to address this planning need in the meantime.</p> <p>No further action on this item is being requested of DEP at this moment in time.</p>

	<p>boundary inequalities</p> <ul style="list-style-type: none"> Enact a policy that allows financial resources to be targeted toward highest impact projects within regulated watersheds 	<ul style="list-style-type: none"> Implementation of uniform standards in Chesapeake Bay watershed counties Review legislation on stormwater tax, examining feasibility of implementing in non-MS4 communities Develop policy language that allows allocation of a proportion of stormwater tax funds to be spent on high priority projects within the watershed impacted by a municipality but not necessarily within that municipality's borders Obtain necessary approvals from EPA, DEP and state legislature 		<p>highest risk area of targeted watersheds. Additionally, they are designed to decrease resentment that arises from inequitable regulations.</p>	<p>regulated areas.</p>					
1.3	<p>Program Efficiency –</p> <ul style="list-style-type: none"> Simplify permitting process for installation of BMPs (DEP Water Obstruction and Encroachment and joint DEP/Army Corps of Engineers). <p>Expedited permit process needed for any/all CAP BMP Implementation projects.</p>	<ul style="list-style-type: none"> Permit application process simplified and communicated to stakeholders Decreased wait time for permit approvals Improved proportionality of effort 	2023	<ul style="list-style-type: none"> Smaller projects currently require the same amount of effort as large-scale projects in terms of the permit requirement process. This recommendation requires reviewing and streamlining the permitting process. 	<ul style="list-style-type: none"> This recommendation entails evaluating Chapters 102 and 105 of the Clean Streams Act in order to evaluate proportionality and scale of projects that involve BMPs in or near streams. Focus should be on implementing as many BMPs in the Chesapeake Bay region as possible, not on regulating large and small projects under the same permit requirements. Current process puts counties with fewer resources at a disadvantage. Implement a multi-project permit such as a “watershed permit”. Model permit process off of CAP Block Grant process to create a “Block Permit” for CAP Implementation projects, where any BMP Implementation or Enhancement Project can be included on the block permit rather than needing individual CAP BMP Implementation Project Permits. 	Regulatory changes	State	State	State	<p>(Existing item altered/added to during 2021 two-year milestone update.)</p> <p>August 2021: This item was originally a broad idea. Since this item was created, DEP has provided an update on their permitting efforts. This item has been updated with a new recommendation of a potential solution to further address permitting needs identified through implementation process.</p>

1.4	Program Efficiency – Simplify funding and grants administration for implementation of BMPs	Grants program changed to more of a targeted regional approach with an allotment of funding for each county in the Chesapeake Bay region rather than a competitive grants process between counties.	2022	Additional technical and fiscal support needed for funding applicants.	<ul style="list-style-type: none"> • Evaluate Growing Greener and other grant programs for agricultural and other BMPs related to nutrient load reductions, and improve the process. • The administration of funding should be addressed as a centralized state agency process to reduce paperwork burdens on county level staff responsible for BMP installation and program management. Counties would be responsible for project prioritization and implementation rather than grant management and preparation of applications. • Model more funding programs off of the CAP Block Grant structure and allow more flexibility related to eligibility of costs associated with BMP implementation as other programs do (such as design). • Within CAP Block Grant program, extend contractual category 25% allocation (allowable for engineer/design cost) to include <u>all</u> project readiness costs/expenses, including but <u>not limited to</u>: preliminary studies (wetland studies, PNDIs, hydrologic & floodplain studies, etc.), permitting, etc. 	Admin & regulatory changes	State	State	State	<p>(Existing item altered/added to during 2021 two-year milestone update.)</p> <p>August 2021: This item was originally a broad idea. Since this item was created, DEP has created the CAP Block Implementation Grant. This programmatic item has been updated with the recommendation to further build on the block grant solution to further the use of the block grant model. We would like to see more programs take on the structure of the block grant program.</p>
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1.5	Data Collection – Create a central state warehouse for data collection and reporting regarding implemented BMPs, county conservation plans, restoration project permits, grant applications, 4R practices, etc.	<ul style="list-style-type: none"> Establish a centralized data collection and reporting system (enhancing existing systems where applicable) 	2023 (ongoing) <ul style="list-style-type: none"> Note: central warehouse is created, ongoing process continues to accomplish smooth operation 	<ul style="list-style-type: none"> Coordination between FCCD, NRCS, DEP, EPA, others – consistency and communication of data Reporting system will require maintenance, updates and adequate tracking and verification Privacy concerns about data if subject to right to know 	Establish database and reporting system	Develop system, Train staff	State	State	State	<p>(Existing item altered/added to during 2021 two-year milestone update.)</p> <p>August 2021: DEP has reported progress on this item regarding the BMP Data Warehouse, and FCo. acknowledges the progress on this item as DEP continues this work. When FieldDoc and BMP Data Warehouse are all fully functional and we have transitioned to its intended use, this item will be marked complete. We ask no new actions of DEP on this item, just the continuation of work toward smooth functionality and operation of this tool.</p>
1.6	Capacity Building – Workforce (BMP Data Collection & Verification) <ul style="list-style-type: none"> Implement a survey process for capturing current agricultural best management practices that are unreported. 	Wide scale survey to be completed by 2023	2023	<ul style="list-style-type: none"> Participation Coordination between agencies Right-to-know 	Survey needs to be standardized across the region and implemented in an organized fashion. We have heard from stakeholders that they feel they have answered surveys in the past but not certain what was done with the data.	Staffing – state & local	State	State	State	<p>(Existing item altered/added to during 2021 two-year milestone update.)</p> <p>August 2021: No action changes to this item – only formatting/rewording edits. DEP worked with PSU Extension to conduct a detailed survey with farmers for BMP verification. FCo. requests no further action at this time.</p>
1.7*	Municipal sector – <ul style="list-style-type: none"> Create a systematic process and database for inventorying stormwater management practices and facilities in MS4 and non-MS4 municipalities which could be stored in central database. 	<ul style="list-style-type: none"> Evaluation of stormwater management rules and regulation at state, county and local level - examine existing inventory and database systems in municipalities operating under MS4 Permits Receive cost estimates for countywide inventory Capture unreported BMPs on the ground for import into central database 	2022	<ul style="list-style-type: none"> Coordination between local governments, disagreement on structure Identifying “owner” of multi-municipal data (lead entity) How will financial responsibility and authority of structure be defined Funding for inventory capture and data storage 	Establish a database and reporting system	Technical assistance to develop consistent structure Personnel dedicated to managing structure - stormwater coordinator Written guidance, contracts, and agreements regarding new structure	State, local	State, local	State, local	<p>(Existing item altered/added to during 2021 two-year milestone update.)</p> <p>August 2021: No action changes to this item – only formatting/rewording edits. DEP has reported progress on this item regarding their rollout of the ePermitting system. FCo. acknowledges the progress on this item as DEP continues this work. When this is fully up/running, fully functional, and we have completely transitioned to the system, this item will be marked complete. We ask no new actions of DEP on this item, just the continuation of work toward smooth functionality and operation of this tool.</p>

1.8	Program Guidance – Refine BMPs listed in manual and provide updated direction in implementation.	Complete BMP manual with updated practice descriptions that have greater alignment with PA agricultural practices	2020	Changing practice descriptions and credits in the model will require approval on many levels	<ul style="list-style-type: none"> Many BMPs in the manual are not fully defined, particularly for a non-practitioner engaged in planning process. Many say TBA, with further definition required. Many BMPs are Maryland-specific and not relevant to Pennsylvania practices. Also, some practices are not given credit, but it seems that they should be given more. Example – model assumes that commodity cover crops receive fall nutrients, and so gives less credit for these crops. Farmers state that small grain following soybeans should be credited the same as non-commodity cover crops, as they receive many nutrients from prior soybean planting. Perhaps the practice should be defined in terms of whether or not nutrients are applied rather than whether or not they are commodity cover crops or not. 	Staff to revise manual	State	State	State	<p>(Existing item altered/added to during 2021 two-year milestone update.)</p> <p>August 2021: No action changes to this item – only formatting/re-wording edits.</p> <p>DEP updated that they have received no plans from the creators of the manual to make updates to this document. FCo. is still interested in the creators of the BMP Quick Reference Guide completing the “missing pieces”/TBA items of the manual.</p>
1.9.*	BMP Programs & Policies – <ul style="list-style-type: none"> Evaluate current system of incentives & penalties for BMPs and define enhanced incentive program for BMPs with greatest impact on nutrient loads to get landowner buy in. Develop incentive & programs for voluntary adoption of BMPs in developed areas and consider an offset program for implementation of high-impact BMPs in agricultural areas. 	<ul style="list-style-type: none"> Statewide review of the overall impact of CREP, REAP, EQIP, Act 319, Growing Greener and other programs, evaluate feedback on what has or hasn't worked and communicate with local stakeholders on what new incentives are being considered 	2021	<ul style="list-style-type: none"> Program participation BMP post-installation maintenance Funding 	<ul style="list-style-type: none"> Cover crop practices involve costs for equipment, pest management, etc. Incentive programs should account for more than planting alone. Remove “caps” or “maximums” per landowner from assistance & reimbursement programs to assist with as many practices as possible. Prioritize units of new BMPs over number of landowners. This will both maximize and speed up use of funds available while ensuring maximum amount of nutrients are reduced on maximum of number of acres. 	Technical assistance to develop new ordinances and framework for new programs Staffing Program admin	State	State	State	<p>(Existing 2019 Plan item altered/added to during 2021 two-year milestone update.)</p> <p>August 2021: This item existed in the previous version of the plan. Targets, partners, challenges, and resources have been reevaluated and identified. An additional action item was added to the description to expand potential opportunities surrounding the original item phrase, “evaluate current system of incentives...” regarding “BMP Programs & Policies”.</p>

1.10*	Commercial & Residential Fertilizer – Implement an efficient documentation program to track commercial & homeowner nutrient applications on developed land.	<ul style="list-style-type: none"> • Provide support for current fertilizer legislation • Conduct education event for commercial landscape industry and homeowners • Identify acreage for urban nutrient management plans 	2020	<ul style="list-style-type: none"> • Contingent upon legislation • (If Bill doesn't pass, will not be able to implement this action.) • Reliant among industry • Documentation and reporting are huge challenges 	<ul style="list-style-type: none"> • Pass state legislation • CAST analysis - Commercial and home use of nutrients should be evaluated in the CAST model, more data is needed on what application levels are currently. 	State lead	State	State	State	<p>(Existing item altered/added to during 2021 two-year milestone update.)</p> <p>August 2021: No action changes to this item – only formatting/re-wording edits. DEP has noted they are waiting on legislation to pass to move forward on this item.</p>
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Franklin County Clean Water Plan Programmatic Recommendations

Each county-based local area will use this template to identify:

1. Inputs – The statewide policy, regulations, initiatives and programs that needed to be looked at for success in the Phase 3 WIP.
2. Process – What are the changes that need to occur for the county to be successful in the process. These are the action items listed under each priority initiative.
3. Outputs and outcomes – both short and long-term. These are the programmatic recommendations identified by each county. The performance targets are the changes that need to occur in order to meet your county goal.
4. Implementation challenges – any potential issues or roadblocks to implementation that could impede outputs and outcomes

For each Programmatic Recommendation: Use the fields, as defined below, to identify the inputs and the process that will be followed to achieve each programmatic recommendation. This is the “who, what, where, when and how” of the plan:

Description = What. This may include programs that address prevention, education, or changes to current policy and regulation. A programmatic or policy effort will allow for the completion of action items listed in the Planning and Progress Template.

Performance Target = How. This is an extension of the Description above. The Performance Target details the unique BMPs that will result from implementation of the Priority Initiative and serves as a benchmark to track progress in addressing the Priority Initiative. Performance Targets may be spread across multiple Responsible Parties, Geographies, and Timelines based on the specifics of the Initiative.

Expected Timeline = When. Provide the expected completion date for the planned programmatic change. This should be a reasonable expectation, based on knowledge and experience, and will help in the completion of your county plan.

Potential Implementation Challenges = This field will note challenges and issues that may delay program implementation (Description). This can be in relation to your county plan.

Potential Recommendations on Improvement = This field will note recommendation on how to improve or change the program (Description)

Resources Needed: Technical & Funding = This field will note technical and financial resources needed/outstanding to implement the program (Description).