|                                    | Phase 3 Watershed Implementation Plan (WIP) Annual Progress Update and Two-Year Milestones Report – Luzerne County  Green - action has been completed or is moving forward as planned Vellow - action has encountered minor obstacles Red - action has not been taken or has encountered a serious barrier Highlight changes for 2024-2025 milestone period |  |  |   |                      |  |   |                                  |  |   |   |  |
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| Green - act                        | ion has been completed or is m  | oving forward as planned Y   | ellow - action has encoun                      | tered minor obsta   | icles Red - act      | tion has not been taken or has enco  | ountered a seriou   | is barrier F                     | lighlight changes  | for 2024-2025   | milestone period  |  |
|                                    |   |  |  |   |                      |  | Resource  | <u>Available</u>                 | Resource   | s <u>Needed</u>   |   |  |
| Action #<br>Green<br>Yellow<br>Red | Description   | Performance Target(s)  | Responsible Party(is)<br>and Partnerships      | Geographic<br>Location  | Expected<br>Timeline | Potential Implementation<br>Challenges or<br>Recommendations   | Technical   | Financial                        | Technical  | Financial   | Annual Progress to Date (2021 + 2022+2023) *add new 2023 progress above the resisting 2021 and 2022 progress. Date each entry   | Reason for Change<br>to Action Item<br>(2024-2025milestone period) |
| Priority                           | Initiative 1: Agriculture Nutrient Management   | Assist producers in  | LCD. NRCS.                                     | Agricultural  | 2022-2025            | Funding and Producer   | Producers   | EQIP                             | Contracted   | Dedicated   | 2023 - Nutrient management planning is being  |  |
| 1.1                                | Planning  | Assass products in obtaining nutrient management planning (including soil samples, manure analysis, and agronomy assistance).  BMP's include Nutrient Management Core N, Core P, Timing, Placement, and Rate   | Consultant                                     | Agricultural<br>production<br>lands                                     | 2022-2025            | Participation  | must hire<br>consultants<br>themselves or<br>receiving a<br>minimal<br>amount of<br>assistance<br>through local<br>agencies | EUF                              | Source   | dedicated<br>funding to<br>assist in this<br>program  | Twitter it managements painting is oning provided to land owners who contact the district for completion in addition to soil sampling for plan development. A program for specialized funding has not been established.  2022. Nutrient management plans are being developed in addition to the completion of soil sampling where needed. A designated program to increase planning and sampling has not been established but is under planning for next year.  |  |
| 1.2*                               | Collect data and verify existing BMPs on operations   | 50 existing agricultural operations  | LCD  | County  | 2021-2025            | Time Capacity, Data Entry,<br>Release of Records, producer<br>participation and resistance   | BMPs and<br>plans that<br>were funded<br>through<br>agencies and<br>grants are<br>already known                             | CAP BMP<br>Verification<br>Funds | Dedicated staff<br>or contracted<br>staff to<br>compile<br>existing data<br>and complete<br>outreach (e.g.,<br>producer<br>survey,<br>records<br>research) and<br>data entry | Dedicated and<br>sustainable<br>funding to this<br>position   | 2023 - BMP verification was completed this year with assistance from LOE. BMPs were captured and entered into Practice Keeper for recording. 2022: Reporting and verification of existing BMPs is underway through the use of BMP verification funding from the Bay Office. An aerial verification platform has been created by LDG to located BMPs for field verification and entry by the district. Paper records were received of past projects implemented and papers will be gone through to identify if project locations can be found.   |  |
| 1.3                                | Existing BMP Maintenance<br>Program   | Assist producers with education and resources for maintenance of existing BMPs to keep them functioning 12 operations per year   | LCD, NRCS, PSU<br>Extension                    | County  | 2022-2025            | Funding and Producer<br>participation  | Technical<br>specs of BMPs<br>and guidance<br>for BMP<br>maintenance  |                                  | Compile<br>existing BMP<br>designs, O&M<br>specs and<br>guidance, and<br>review with<br>producers  | Dedicated and<br>sustainable<br>funding for<br>staff time and<br>funding to<br>assist<br>landowners<br>with costly<br>repairs/mainte<br>nance needs | 2023 - BMP maintenance projects are ongoing<br>and being completed this year through the<br>utilization of CAP implementation funds.<br>2022- BMP maintenance activities are being<br>completed on an as needed basis although a<br>program to identify additional needs and increase<br>assistance availability is still under development<br>and requires a designated funding source.  |  |
| 1.4*                               | Riparian Buffer and Stream  | Implement Stream fencing   | LCD, NRCS, DEP                                 | Streams located   | 2021-2025            | Funding and Producer   | Development   | Existing grant                   | Additional   | Dedicated and   | 2023 - Multiple riparian buffer and stream fencing  |  |
|                                    | Fencing   | and riparian buffer on crop<br>and pasture lands<br>200 acres per year<br>implemented and verified<br>BMP's include forested<br>riparian buffer with<br>exclusion fencing  |  | along crop and<br>pasture lands,<br>targeting<br>impaired<br>watersheds |                      | participation/willingness to enter<br>into long-term agreements  | of planting<br>specs,<br>coordinating<br>projects with<br>landowners  | programs                         | outreach to<br>landowner &<br>coordination/d<br>esign of buffer<br>projects  | sustainable<br>funding source<br>for district<br>staff positions<br>&<br>implementatio<br>n of buffer<br>projects                                   | projects are being completed and planned for<br>future completion.  2022 - Riparian buffer and stream fencing projects<br>have been completed and are still under plan for<br>this year.  8.23 acres of riparian buffer were installed this<br>year.  |  |
| 1.5                                | Manure to Mine Lands<br>Program   | Evaluate availability of<br>excess manure and potential<br>opportunities to treat<br>abandoned mine lands.<br>1 Feasibility study  | EPCAMR, LCD, Earth<br>Conservancy, DEP<br>BAMR | County  | 2022-2025            | Farmer and Landowner<br>Participation, extensive<br>coordination effort, BAMR's<br>modification of existing<br>reclamation practices,<br>Availability of excess manure | Historic<br>programs  | N/A                              | Feasibility<br>study,<br>Develop/coord<br>inate program  | Dedicated and<br>sustainable<br>funding source<br>for staff<br>position(s)  | 2023 - This project is still of interest although is a<br>lower priority until funding is identified to pursue<br>this effort.<br>2022- This program is still of high interest and is<br>looking to utilize BAMR, OSM, and infrastructure<br>bill funds to implement this project in the on-<br>going years.  |  |
| 1.6*                               | Wetland<br>Creation/Enhancement on<br>Farmlands   | Create/enhance wetlands<br>on agricultural lands that<br>are less productive or within<br>environmentally sensitive<br>areas.<br>2 acres per year  | LCD, NRCS                                      | County – key<br>environmentall<br>y important<br>areas                  | 2022-2025            | Landowner Participation, permitting hurdles  | Design<br>assistance  | Grants                           | Design<br>assistance,<br>landowner<br>outreach, and<br>project<br>design/permitt<br>ing  | sustainable<br>funding source<br>for district<br>staff positions  | 2023 - Potential project sites have been identified for these projects alhough did not move forward this year for implementation. Planning and proper coordination efforts are still underway. 2022: Wethand creation and enhancement is being evaluated when potential project sites become available although has reached hurdles become available although has reached hurdles due to proper landowner cooperation and permitting. Planning and design was started to create a wetand area within an existing hay field along E. Fork Toby Creek that has been put on hold due to beaver activity creating a natural wetland area in the planned project site. A new site is being identified for the project. |  |
| 1.7                                | Soil Health Improvement   | implement soil health<br>practices, (including no-till<br>planting, cover crops, use of<br>pollinator species, etc.) on<br>agricultural lands.<br>500 acres per year,<br>increasing by 25% yearly  | LCD, NRCS                                      | Countywide<br>agricultural<br>operations                                | 2022-2025            | Funding and Producer<br>participation  | Existing soil<br>health<br>technical<br>guidance  | Existing grant<br>programs       | Additional<br>outreach to<br>landowners &<br>coordination<br>of projects   | Dedicated and<br>sustainable<br>funding source<br>for district<br>staff positions<br>&<br>implementatio<br>n of projects                            | 2023 - Multiple soil health field days have been<br>held to increase soil health education within the<br>county and increase no-fill practice<br>implementation.<br>2022- No-fill planting and cover crop<br>implementation has been promoted and<br>continued to be utilized throughout the county.<br>A Soil Health Education field day was completed<br>to increase awareness of proper practices and<br>increase county engagement.   |  |
| 1.8*                               | Barnyard Agricultural BMP<br>Implementation   | Continuation of LCD's &<br>NRCS's efforts to stabilize<br>animal feeding and travel<br>areas and to manage<br>manure on existing<br>agricultural operations.<br>Complete 5 projects per<br>year in addition to existing<br>NRCS and County project<br>implementations. | LCD, NRCS                                      | Countywide<br>agricultural<br>operations                                | 2022-2025            | Funding and Producer<br>participation/financial<br>capabilities, technical designer<br>availability  | Project<br>coordination &<br>design   | Existing grant<br>programs       | Additional<br>outreach to<br>landowner,<br>coordination<br>of projects,<br>project design  | Dedicated and<br>sustainable<br>funding source<br>for district<br>staff positions<br>&<br>implementatio<br>n of projects                            | 2023 - Barnyard project implementation has<br>occurred this year to stabilize and reduce erosion<br>within operations.<br>2022- Barnyard BMP projects have been<br>identified and have ongoing hurdles due to the<br>implementation challenges and the increased<br>cost of construction.<br>A project from 2014 was able to utilize CAP<br>implementation funds to complete the project<br>successfully this year.   |  |
| Priority                           | Initiative 2: Urban and   | Developed Stormwat   | ter  |   |                      |  |   |                                  |  |   |   |  |
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| Priority Initiative 4: Watershed Health  AMD Treatment for Nutrient Reductions  AMD Treatment for Chemical Analysis of research, research, research, reductions  Additional site information needs reductions  Reductions  AMD Treatment for Nutrient Reductions  AMD T |
| Priority Initiative 4: Watershed Health  AMD Treatment for Nutrient Reductions   |
| Priority Initiative 4: Watershed Health  4.1 AMD Treatment for Nutrient Reductions untient loads in AMD discharges and development of restance the for the month of the month  |
| AMD Treatment for Nutrient Detailed evaluation of Reductions nutrient loads in AMD discharges and development of treatment plans.  AMD Treatment for Nutrient loads in AMD Earth Conservancy, sites:  Sites:  AMD treatment of Nutrient loads in AMD discharges and development of treatment plans.  AMD Treatment for Nutrient loads in AMD analysis of research, now that the AAMR subgrants are open for treatment treatment treatment discharges and development of treatment plans.  AMD Treatment for Nutrient loads in AMD analysis of research, now that the AAMR subgrants are open for treatment discharges and development of treatment plans.  AMD Treatment for Nutrient loads in AMD reatment sites are being evaluated existing analysis of research, now that the AAMR subgrants are open for treatment discharges and development of treatment plans.   |
| AMD Treatment for Nutrient Detailed evaluation of Reductions nutrient loads in AMD discharges and development of treatment plans.  AMD Treatment for Nutrient loads in AMD Earth Conservancy, sites:  Sites:  AMD treatment of Nutrient loads in AMD discharges and development of treatment plans.  AMD Treatment for Nutrient loads in AMD analysis of research, now that the AAMR subgrants are open for treatment treatment treatment discharges and development of treatment plans.  AMD Treatment for Nutrient loads in AMD analysis of research, now that the AAMR subgrants are open for treatment discharges and development of treatment plans.  AMD Treatment for Nutrient loads in AMD reatment sites are being evaluated existing analysis of research, now that the AAMR subgrants are open for treatment discharges and development of treatment plans.   |
| Reductions nutrient loads in AMD Earth Conservancy, sites: participation, complex treatment treatment treatment discharges and development and development of treatment plans.  Weboopany Creek, Bowman Creek, Bowma |
| discharges and development Landowners Mehoopany systems technologies treatment discharges and obesign, & application. Additional site information needs of treatment plans.  Creek, Bowman systems technologies treatment discharges and reviewed before application construction collected and reviewed before application  |
|  |
| I Treek Fishing I Itreatment I Isubmission   |
| L'eex, Fraining treatment summassion.  Evaluate 3 sites per year Creek, designs, 2022- AMD treatment evaluation has been   |
| cvaluate 3 sites per year  Leek, Designs, 2022- Annu treatment evaluation has been Susquehanna Susquehanna measured flow occurring and is slift of high interest for   |
| River, data completion.  |
| Lackawanna This initiative is planned to be completed once   |
| River, Delaware River Basin, River Sean, River Basin, River Delaware River Basin, River Bas |
| River Basin, Infrastructure list of the up-coming years. Nexopopeck   A prioritized list of the up-coming years.   |
| Nescopeck Creek, and development.  |
| Catawissa Catawi |
| Creek  |
| Watersheds   |
|  |
| 4.2 Stream Restoration Provide bank protection, LCD, municipalities, County 2022-2025 High cost/lack of matching funds, Standard Existing grant Project Dedicated and 2023 - Stream restoration projects have been   |
| instream habitat and Trout Unlimited, impaired Lack of available land for stream stream design programs (e.g. coordination, sustainable ongoing with multiple stream restoration projects  |
| rigarian buffers on streams watershed associations streams restoration, landowner guidance Growing Design/permitt funding source applied to for Growing Greener funding to   |
| in degraded sections of participation Greener), ing services for district implement additional stream restoration projects streams in rural and Mehoopany Public lands in staff position in 2024. One Emergency Watershed Protection   |
| streams in rural and Methoopany Public lands in start position in 2024. Une Emergency Watersned Protection developed areas. Creek, Bowman urban areas & funding for Project was completed, stabilizing 190 feet of   |
| Creek, Fishing (parks, trails, design, stream bank.  |
| 400 linear feet per year Creek, etc.) permitting, 2022- Stream restoration projects have been  |
| Susquehanna and completed this year and are under development  |
|  |
| River, implementatio and planning for continued implementation. Two  |
|  |
| River, Lackawanna River, Delaware River Basin, River Basi |
| River, Lackawanna River, Delaware River Basin, Nescopeck  Respect River Basin,  |
| River, Implementatio and planning for continued implementation. Two Lackawanna River, Delaware River Basin, Nescopeck Creek, and Creek, and Implementation and planning for continued implementation. Two nof projects projects for Emergency Watershed Protection were completed totaling 284 linear feet of streambank stabilization. District is constantly evaluating projects sites and will continue to implement them as funding  |
| River, Implementatio and planning for continued implementation. Two Lackawanna River, Delaware River Basin, Secretary States of the Complete o |
| River, Lackawanna River, Delaware River Basin, Nescopeck Creek, and Creek, and River, ackawanna River Basin,  |

| Market Purk very more Printing and part of the printing of t   |      |                               |                              |                        |                 |           |                                  |               |                |                 |                 |   |  |
|--|------|-------------------------------|------------------------------|------------------------|-----------------|-----------|----------------------------------|---------------|----------------|-----------------|-----------------|---|--|
| entire to the first of the control o | 4.3  | Riparian Buffer Development   | Protect and plant trees      | LCD, watershed         | County          | 2022-2025 | Landowner                        | Development   | Existing Grant | Additional      |                 | 2023 - Riparian buffer areas have been planted    |  |
| And Septiment and early 200  And Septiment an |      |                               |                              |                        |                 |           |                                  |               | Programs       |                 |                 |   |  |
| Webstern and very 200 and program of the control of |      |                               | sections.                    | Unlimited              | streams         |           |                                  |               |                |                 |                 |   |  |
| And Technological Parameters and Applications and Applica |      |                               | l                            |                        |                 |           |                                  |               |                | and volunteers  |                 |   |  |
| Assessment and Forestry  Coale, Filth Processor of Coale, Filther Coale, and Johnson Processor Additional Control of Coale, and Johnson Processor Additional Control of Coale, and Johnson Processor Additional Coale, and Johnson Processor Additiona |      |                               |                              |                        |                 |           |                                  |               |                | · /.            | starr positions |   |  |
| As Source Programmer of Community And Source Progra |      |                               | acres per year               |                        |                 |           |                                  |               |                |                 | &               |   |  |
| Exercised and Forestry  Observation  And Translational  An |      |                               |                              |                        |                 |           | certain tree species             |               |                |                 |                 |   |  |
| And Security Harding previous of family provided and family previous and security provided and security provid |      |                               |                              |                        |                 |           |                                  |               |                | projects        |                 |   |  |
| Add Tolerand of Foreign (Company) Add Tolerand (Company) Add Toleran |      |                               |                              |                        |                 |           |                                  |               |                |                 | projects        |   |  |
| Principle of Control (Control (Contro   |      |                               |                              |                        |                 |           |                                  |               |                | 1               |                 | this year.  |  |
| Formition and for easily Protection and for easily Protection for the state of the  |      |                               |                              |                        |                 |           |                                  | materials     |                |                 |                 |   |  |
| Note Seemed and Frenchist Continues of Conti |      |                               |                              |                        |                 |           |                                  | 1             |                | 1               |                 |   |  |
| Formitied and forestry programment and control programment programment and control programment and con |      |                               |                              |                        |                 |           |                                  | 1             |                |                 |                 |   |  |
| AS AND Reducation Planning and Stational Constructions and Stational Planning and Stational Constructions and Stat |      |                               |                              |                        |                 |           |                                  | 1             |                |                 |                 |   |  |
| Set Parmind and forwardly common and the many common state immune conduction of the common condu |      |                               |                              |                        |                 |           |                                  | 1             |                |                 |                 |   |  |
| Add Total Control Section of Fernited and Fernited and Fernited and Processing Personnel Control Proces |      |                               |                              |                        |                 |           |                                  | 1             |                |                 |                 |   |  |
| Particular of creating processing processing and processing proces   |      |                               |                              |                        |                 |           |                                  | 1             |                | 1               |                 |   |  |
| pose space to muture propose glater propose glater to muture propose glater propose gl |      |                               |                              |                        | watersneus      |           |                                  | 1             |                | 1               |                 |   |  |
| pose space to muture propose glater propose glater to muture propose glater propose gl | 4.4  | Farmland and Forestry         | Quantify existing preserved  | LCD, County Planning & | County farm     | 2021-2025 | Having enough staffing resources | Existing land | Existing grant | Additional      | Dedicated and   | 2023 - Additional farm and forest acreage was     |  |
| ordinate and Preserve additional familiar and and additional familiar and and additional familiar and and additional familiar and AMS Sociented Familiar and AMS Recommends  A |      | Preservation                  |                              |                        | and forestlands |           |                                  |               |                | outreach to     | sustainable     | persevered this year. Increased funding would be  |  |
| ordinate and Preserve additional familiar and and additional familiar and and additional familiar and and additional familiar and AMS Sociented Familiar and AMS Recommends  A |      |                               |                              |                        |                 | l         |                                  |               |                |                 |                 |   |  |
| 45.2 AM Reclamation Finning and AVD Retroeting and  |      |                               |                              | Trust                  |                 |           | preservation efforts and Funding | Preservation  |                | and             |                 |   |  |
| Add 500 acres per year  Add 500 acres per year  Add 500 acres per year  Add No Recturation  Restoring AMI impacted  and AMD Recturation  Add No Recturation  AMI Rectimation Planning  and AMD Recturation  AMI Rectimation Conservation  and AMD Recturation  AMI Rectimation Rectimation  Add 500 acres per year  AMI Rectimation Planning  and AMD Recturation  AMI Rectimation Rectimation  AMI Rectimation Rectimation  AMI Rectimation Rectimation  AMI Rectimation Rectimation  AMI Rectimatio |      |                               |                              | 1                      |                 |           |                                  | Program       |                | coordination    | positions &     |   |  |
| Add 300 array per year  Add Milectimation Filamonic and Add Milection and Add Miletter and |      |                               | natural lands.               | I                      | 1               | l         | easements                        | resources     |                | of data         | additional      | preserved when funding is available to do so.     |  |
| Add 300 array per year  Add Milectimation Filamonic and Add Milection and Add Miletter and |      |                               |                              | 1                      |                 |           | I                                | I             |                |                 | Funding to      | 133.11 acres have been preserved this year.       |  |
| AM. Reclamation Flamming and MAD Restansion  AM Destination from Many (and the second control of the Country Systems)  AM Destination from Many (and the Many Control of the Country Systems)  AM Destination from Many (and the Many Control of the Country Systems)  AM Destination from Many (and the Many Control of the Country Systems)  AM Destination from Many (and the Many Control of the Country Systems)  AM Destination from Many (and the Many Control of the Country Systems)  AM Destination from Many (and the Many Control of the Country Systems)  AM Destination from Many (and the Many Control of the Country Systems)  AM Destination from Many (and the Many Control of the Country Systems)  AM Destination from Many (and the Many Control of the Country Systems)  AM Destination from Many (and the Many Control of the Country Systems)  AM Destination from Many (and the Many Control of the Country Systems)  AM Destination from Many (and the Many Control of the Country Systems)  AM Destination from Many (and the Many Control of the Country Systems)  AM Destination from Many (and the Many Control of the Country Systems)  AM Destination from Many (and the Many Control of the Country Systems)  AM Destination from Many (and the Many Control of the Country Systems)  AM Destination from Many (and the Many Control of the Country Systems)  AM Destination from Many (and the Many Control of the Country Systems)  AM Destination from Many (and the Many Control of the Country Systems)  AM Destination from Many (and the Many Control of the Country Systems)  AM Destination from Many (and the Many Control of the Country Systems)  AM Destination from Many (and the Many Control of the Country Systems)  AM Destination from Many (and the Many Control of the Country Systems)  AM Destination from Many (and the Many Control of the Country Systems)  AM Destination from Many (and the Many Control of the Country Systems)  AM Destination from Many (and the Many Control of the Country Systems)  AM Destination from Many (and the Many Control of the C |      |                               | Add 500 acres per year       | 1                      |                 |           | I                                | I             |                | effort and      | purchase        | Increased funding is needed to reach additional   |  |
| ANT. Reclamation Planning and AMD. Relatoration  ANT. Reclamation Planning and AMD. Relatoration  ANT. Reclamation Planning and AMD. Relatoration  ANT. Reclamation planning state and accordance of the County projects to include additional conservation benefits (e.g., use of AMD. Audit and the blooding for your clear, flowers and use of Force Reclamation Agrounds for improved SVP experiment and use of Force Reclamation Agrounds for improved SVP experiment and use of Force Reclamation Agrounds for improved SVP experiment and use of Force Reclamation Rever, Lackaseana Reversal, Recopect and Catavilla, and the County and Catavilla, and the Projects of the County and Information and Infor |      |                               |                              | 1                      |                 |           | I                                | I             |                | future land     |                 | acreage goal each year.                           |  |
| AM Reclamation Rainning and MAD Restoration  AMD Restorat |      |                               |                              | 1                      |                 |           | I                                | I             |                |                 |                 |   |  |
| and AMD Restoration of the Country AMD restoration of the Country systems and found the systems and AMI facilities of the Country systems |      |                               |                              | 1                      |                 |           | I                                | I             |                | projects        | easements       |   |  |
| and AMD Restoration of the Country AMD restoration of the Country systems and found the systems and AMI facilities of the Country systems |      |                               |                              |                        |                 |           |                                  |               |                |                 |                 |   |  |
| and future AMI reclamation projects to include adottonal conservation benefits (i.e., user of AMD improvement, planting warm season grasses and use of Freet Reclamation Approach for improved SV exc. J. and retering AMD discharges to restore water quality. Evaluate 3 projects per year  Reporting and Verification of Soling BMPs  Reporting and Verification A mile recently complete and and ALL and reclamation A provided in the proved SV exc. J. and retering AMD discharges to restore water quality. Evaluate 3 projects per year  Crask, and Crask Watersheds  New Facility BMPs  Reporting and Verification A mile recently completed once soling BMPs  A mile recently completed once soling BMPs  Soling BMPs  Soling BMPs  Soling BMPs  A mile recently completed once soling BMPs  Soling BMP | 4.5  |                               |                              |                        |                 | 2024+     |                                  |               |                |                 |                 |   |  |
| projects to include additional conservation benefits (e.g., use of AMD subgray and bisonistic for fool of the progress and the projects of the project of th |      | and AMD Restoration           |                              |                        |                 |           | participation, complex treatment |               |                |                 |                 |   |  |
| additional connevation benefities (e.g. use of AMD sludge and bosoids for soil improvement, planting worm season graves and long and bosoids for soil improvement, planting worm season graves and Approach for improved SV agent & wildlift habitat, etc.), and treating AAD discharges to restore water quality.  Evaluate 3 projects per year  ASP  Reporting and Verification of Existing BMPs  Solvedishards projects  Older data on and verify statis (piculating operation) and in progress BMPs  Solvedishards and projects  Output  ASP  Reporting and Verification of Existing BMPs  Solvedishards and projects  Output  ASP  Reporting and Verification of Existing BMPs  Solvedishards and projects  Output  ASP  Reporting and Verification of Existing BMPs  Solvedishards and projects  Output  ASP  Reporting and Verification of Existing BMPs  Solvedishards and projects  Output  ASP  Reporting and Verification of Existing BMPs  Solvedishards and projects  Output  ASP  Reporting and Verification of Existing BMPs  Solvedishards and projects  Output  ASP  Reporting and Verification of Existing BMPs  Solvedishards and projects  Output  ASP  Reporting and Verification of Existing BMPs  Solvedishing operation, focal against paint  output  ASP  Reporting and Verification of Existing BMPs  Solvedishing reports  Output  ASP  Reporting and Verification of Existing BMPs  Solvedishing operation, focal against paint  output  ASP  Reporting and Verification of Existing BMPs  Solvedishing operation, focal against paint  output  ASP  Reporting and Verification of Existing BMPs  Solvedishing operation, focal against paint  output  ASP  Reporting and Verification of Creek, Paint  Output  ASP  Reporting and Verification of Creek  Reporting and Ver |      |                               |                              |                        | of the County   |           | systems                          |               |                |                 | and to design,  | through the BAMR subgrants this year or early in  |  |
| benefits (e.g., use of AMD slage and biosolish for roil improvement, planting warm seaton grasses and use of Forest Redimention, and use of Forest Rediment |      |                               |                              | landowners             |                 |           |                                  | and AML land  | restoration    | ing services    | permit,         | 2024.   |  |
| sudge and blooklosf for soil empreyement, planting graces and use of Forest Rectamation warm seaton graces and use of Forest Rectamation Power, and treating AMO discharges to restore water quality.  Evaluate 3 projects per year  6.87  Reporting and Verification of Collect data on and verify status (including operation or granizations). Nocal Reporting and Verification of Reporting and Verification of Power Basin, Networpset and in progress BMPs  Solversheds  Wetshard Enhancement & Royers SMPs  Solvershed projects  Wetshard Enhancement & Royers SMPs  Solvershed projects  Grace Power Basin, Networpset and in progress BMPs  Solvershed projects  A72  Wetshard Enhancement & Royers SMPs  Complete 25 acres per year  Complete 25 |      |                               | additional conservation      |                        |                 |           |                                  | reclamation   |                |                 | implement       | 2022- AMD reclamation and restoration is still of |  |
| with responsible the properties of the stating BMPs and service from the data and see of frores Reclamation Approach for improved SW might as the properties BMPs and characteristic and characteristic and statistic properties BMPs and characteristic properties below the statistic properties below the statistic properties below the statistic properties BMPs and characteristic properties below the statistic properties below the statistic properties below the statistic properties BMPs and characteristic properties below the statistic properties the statistic properties below the statistic properties the statistic properties that the statistic properties the statistic properties that the statistic properties that the statistic properties that the statistic proper |      |                               |                              |                        |                 |           |                                  | standards     |                | 1               | projects        |   |  |
| warm sason grasses and see of Forest Recharation Approach for improved SW ingmt. 8, wildlife habitat, etc.), and treating AMD discharges to rectore water quality.  Walkard 3 projects per year  4.8*  Reporting and Verification of Existing BMP2  Reporting Existing Exis |      |                               |                              |                        |                 |           |                                  | 1             |                | 1               |                 |   |  |
| New Factoring and Services Reclamation Approach for improved SW mgmt. & wildlife habitat, etc.), and treating AND discharges to restore water quality. Evaluate 3 projects per year  Existing BMPs  Reporting and Verification of Existing BMPs  So watershed projects  New Factoring and Verification of Existing BMPs  So watershed projects  New Factoring and Verification of Existing BMPs  So watershed projects  New Factoring and Verification of Existing BMPs  So watershed projects  New Factoring And Decided at an on- existing recently complete distinger and the program of the program of the projects  New Factoring And Pand data verification and reporting has been decided this year to collect existing BMP and to compile, verify, and report data verification and reporting has been or contracted through agencies and grants are an already known  New Factoring And Pand do outreach (e.g., partner survey, records and do outreach (e.g., partner survey), records and do outreach (e.g., partne |      |                               |                              |                        |                 |           |                                  | 1             |                | 1               |                 |   |  |
| Agrocach for improved SW mgm. 8. wildlife habatat, etc.), and treating AMD discharges to referor water quality.  Evaluate 3 projects per year Creek, and Catawiwsa Creek Watersheds  AS*  Reporting and Verification of Sixting BMPs  Status (including operation and verify status (including operation and in progress BMPs)  So watershed projects  AS*  Welland Enhancement & Rover Shoreline Improvement water quality  Complete 25 acres per year  Welland Enhancement & Rover Shoreline Improvement water quality  Complete 25 acres per year  AS*  Welland Enhancement & Rover Shoreline Improvement water quality  Complete 25 acres per year  AS*  Complete 25 acres per year  AS*  Reporting and Verification of Collect data on and verify and verification, social growth and the projects of the status of the complete data or contracted water and signature and the following per and the complete data or contracted water and signature and the following per and the complete data or contracted water and signature and the following per and the complete data or contracted water and signature and the following per and the complete data or contracted water and signature and the following per and the complete data or contracted water and signature and the following per and the following per and the complete data or contracted water and signature and signature and the following per and the followi |      |                               |                              |                        |                 |           |                                  | 1             |                | 1               |                 |   |  |
| migmt. & widdlife habitat, etc.), and treating AND discharges to restore water quality.  Evaluate 3 projects per year  Coreek, and Catavissa Creek Watersheds  Coreek Watersheds  Compile verify, and report data  Compile, verify, and report data  Compile verify, and re |      |                               |                              |                        |                 |           |                                  | 1             |                | 1               |                 | infrastructure funds in the up-coming years.      |  |
| discharges to restore water quality. Evaluate 3 projects per year  Reporting and Verification of Collect data on and verify status (including operation and reporting has been or contracted staff to compile, verify, and report data  Reporting and Verification of Collect data on and verify status (including operation and reporting has been or contracted staff to compile, verify, and report data  Reporting and Verification of Collect data on and verify status (including operation and reporting has been or contracted staff to compiled agrencies and in progress BMPs  So watershed projects  Wetland Enhancement & Rever Shoreline Improvement with abbitat and beneficial aquality plant habitat and beneficial aquality plant habitat and beneficial aquality plant habitat for improved water quality  Complete 25 acres per year  Reporting and Verification and veryify and report data  Verification of Collect data on and verify status (including operation and reporting has been to complete data or contracted staff to compile verification and reporting has been or contracted staff to complete data or contracted staff to define the were funded and particles. The contract of the stand habitation or contracted staff to complete data or contracted staff to complete data or contracted staff to complete data or contracted staff to contract the were funded and state or contracted staff to contract the staff to con |      |                               |                              |                        |                 |           |                                  | 1             |                | 1               |                 |   |  |
| discharges to restore water quality.  Evaluate 3 projects per year  Corek  Watersheds  Creek, and Catawissa Creek  Watersheds  Corek  Watersheds  County Status (including operation and reporting has been organizations, local agencies (DEP, DCNR, and in-progress MBMPs and in-progress MB |      |                               |                              |                        |                 |           |                                  | 1             |                |                 |                 |   |  |
| Reporting and Verification of Collect data on and verify status (including operation & maintenance needs) of existing BMPs and in progress BMPs are being implemented, were funded withough agencies and grants are already known and the entry in the Bay Office.  4.72 Wetland Enhancement & Improve and expand beneficial aquaitic plant habitat for improved water quality in protate apartic plant habitat for improved water quality and plant status and the progress BMPs are being implementation, permitting hurdles and beneficial aquaitic plant habitat for improved water quality and the beneficial aquaitic plant habitat for improved water quality important apartic plant habitat for improved water quality is a particular to the progress BMPs are being implementation, permitting hurdles and beneficial aquaitic plant habitat for improved water quality important passit and the progress BMPs are being implementation, permitting hurdles and beneficial aquaitic plant habitat for improved water quality important passit and the progress BMPs are being implementation, permitting hurdles and do an already known and reported staff positions and data entry and data entry assistance, and and do an already known and the entry appropriate funding source for implementation, permitting hurdles and do an already known and the entry and an advance of the progress and the progress  |      |                               |                              |                        |                 |           |                                  | 1             |                |                 |                 |   |  |
| Evaluate 3 projects per year  Catawissa Creek Watersheds  Reporting and Verification of Existing BMPs  Reporting and Verification of Existing BMPs  And Framework of Existing BMPs  Solvatershed projects  Reporting and Verification of Existing BMPs  And Framework or Collect data on and verify status (including operation) or an analysis of existing, recently completed, agencies (DEP, DCNR, PGC, & PFBC)  A.7 Wetland Enhancement & River Shoreline Improvement  River Shoreline Improve and expand wetland habitat and beenficial aquatic plant habitat for improved water quality  Complete 25 acres per year  Catawissa Creek Watersheds  County  |      |                               |                              |                        |                 |           |                                  | 1             |                |                 |                 |   |  |
| Reporting and Verification of Existing BMPs  Reporting and Verification of Existing BMPs  Reporting and Verification of Existing BMPs  Reporting and Verification of Existing Existing BMPs  Reporting and Verification of Collect data on and verify status (including operation & graphizations, local existing, reconsciplent, complete, and in-progress BMPs  SD watershed projects  Reporting and Verification of Collect data on and verify status (including operation & graphizations, local existing, reconsciplent, and in-progress BMPs  SD watershed projects  Reporting and Verification on developed in the progress BMPs or contracted with complex existing, green developed through agencies and grants are already known  Reporting BMPs  SD watershed by reporting has been or contracted staff to complex existing gata and do outroach, leg., partner survey, records research) and data entry partner survey, records research) and data entry survey, records research) and data entry well and habitat and beneficial aquatic plant habitat for improvement wetland habitat and beneficial aquatic plant habitat for improved water quality  Complete 25 acres per year  Complete 25 acres per yea |      |                               | quality.                     |                        |                 |           |                                  | 1             |                |                 |                 |   |  |
| Watersheds  Reporting and Verification of Existing BMPs  Reporting BMPs  Reporting and Verification of Existing BMPs  Reporting  |      |                               | F 1 2 1                      |                        |                 |           |                                  | 1             |                |                 |                 |   |  |
| Reporting and Verification of Existing RMPs  Reporting RMPs  Reporting and Verification of Existing RMPs  Reporting RMPs  Rep |      |                               | Evaluate 3 projects per year |                        |                 |           |                                  | 1             |                |                 |                 |   |  |
| Existing BMPs  status (including operation a financiations, local governments, and state gencies (DEP, DCNR, and report data  status (including operation a financiations, local governments, and state gencies (DEP, DCNR, and in-progress BMPs are being implemented, werified, and reported using BMP verification funding from the Bay Office.  4.77 Wetland Enhancement & River Shoreline Improvement without and babitat for improve dater quality  Complete 25 acres per year  Existing BMPs  1 to complie, verify, and report werifind attain and babitat for improve dater quality  1 to complie, verify, and report with a plants that were funded through agencies and grants are and do outreach (e.g., partner survey, records research) and data entry  2022- Watershed BMPs are being implemented, verified, and reported using BMP verification funding from the Bay Office.  2 tandowner Participation, funding bourse, partner survey, records and beneficial aquatic plant habitat for improved water quality  2 tandowner participation, funding bourse, partner survey, records and beneficial aquatic plant habitat for improved water quality  2 tandowner participation, funding bourse for implementation, permitting hurdles  2 tandowner participation, funding bourse for implementation, permitting hurdles  2 tandowner participation, funding bourse in participation, funding bourse in project of cristric implementation.  2 tandowner participation, funding bourse in participation, funding bourse in participation in project in plants the sustainable complex for design to position complex to conduct the subdy before project in plants the position of complex for district in participation in the project in plants the position of complex for district in participation in the project in plants the participation in the participation in the project in pl |      |                               |                              |                        | watersneds      |           |                                  | 1             |                | 1               |                 |   |  |
| Existing BMPs  status (including operation a financiations, local governments, and state gencies (DEP, DCNR, and report data  status (including operation a financiations, local governments, and state gencies (DEP, DCNR, and in-progress BMPs are being implemented, werified, and reported using BMP verification funding from the Bay Office.  4.77 Wetland Enhancement & River Shoreline Improvement without and babitat for improve dater quality  Complete 25 acres per year  Existing BMPs  1 to complie, verify, and report werifind attain and babitat for improve dater quality  1 to complie, verify, and report with a plants that were funded through agencies and grants are and do outreach (e.g., partner survey, records research) and data entry  2022- Watershed BMPs are being implemented, verified, and reported using BMP verification funding from the Bay Office.  2 tandowner Participation, funding bourse, partner survey, records and beneficial aquatic plant habitat for improved water quality  2 tandowner participation, funding bourse, partner survey, records and beneficial aquatic plant habitat for improved water quality  2 tandowner participation, funding bourse for implementation, permitting hurdles  2 tandowner participation, funding bourse for implementation, permitting hurdles  2 tandowner participation, funding bourse in participation, funding bourse in project of cristric implementation.  2 tandowner participation, funding bourse in participation, funding bourse in participation in project in plants the sustainable complex for design to position complex to conduct the subdy before project in plants the position of complex for district in participation in the project in plants the position of complex for district in participation in the project in plants the participation in the participation in the project in pl |      |                               |                              | <u></u>                | <u> </u>        |           |                                  | <u></u>       |                | <u></u>         |                 | <u> </u>  |  |
| Existing BMPs  status (including operation a financiations, local governments, and state gencies (DEP, DCNR, and report data  status (including operation a financiations, local governments, and state gencies (DEP, DCNR, and in-progress BMPs are being implemented, werified, and reported using BMP verification funding from the Bay Office.  4.77 Wetland Enhancement & River Shoreline Improvement without and babitat for improve dater quality  Complete 25 acres per year  Existing BMPs  1 to complie, verify, and report werifind attain and babitat for improve dater quality  1 to complie, verify, and report with a plants that were funded through agencies and grants are and do outreach (e.g., partner survey, records research) and data entry  2022- Watershed BMPs are being implemented, verified, and reported using BMP verification funding from the Bay Office.  2 tandowner Participation, funding bourse, partner survey, records and beneficial aquatic plant habitat for improved water quality  2 tandowner participation, funding bourse, partner survey, records and beneficial aquatic plant habitat for improved water quality  2 tandowner participation, funding bourse for implementation, permitting hurdles  2 tandowner participation, funding bourse for implementation, permitting hurdles  2 tandowner participation, funding bourse in participation, funding bourse in project of cristric implementation.  2 tandowner participation, funding bourse in participation, funding bourse in participation in project in plants the sustainable complex for design to position complex to conduct the subdy before project in plants the position of complex for district in participation in the project in plants the position of complex for district in participation in the project in plants the participation in the participation in the project in pl | 4.6* | Reporting and Verification of | Collect data on and verify   | LCD, partnering        | County          | 2021-2025 | Having enough staffing resources | BMPs and      | N/A            | Dedicated staff | Dedicated and   | 2023 - BMP verification and reporting has been    |  |
| & maintenance needs) of existing, recently completed, and in-progress BMPs SO watershed projects  Wetland Enhancement & River Shoreline Improvement with an abilat and penaltical quality Complete 25 acres per year  A.7 Wetland Enhancement & River Shoreline Improvement of Complete 25 acres per year  A.8 Maintenance needs) of existing, gencies (DCNR, PGC, & PFBC)  Ada were funded through agencies (DCNR, PGC, & PFBC)  Ada were funded through agencies (DCNR, PGC, & PFBC)  Ada were funded through agencies and grants are already known  Are already known  Are funding to this position compile existing data and do unterach (e.g., partner survey, records research) and data entry  A.7 Wetland Enhancement & River Shoreline Improvement that the funding and the penaltical quality  Are already known  Are funding to this position conflicts and data entry  Are already known  Are funding source shored water and sustainable and beneficial aquatic plant agencies (DCNR, PGC, & PFBC)  Are already known  Are funding source shored in the Practice (Keper System for tracking, partner survey, records research) and data entry  Are defined and projects and grants are already known  Are funding source shored water agencies (DCNR, PGC, & PFBC)  Are funding source shored water and sustainable and partner in the Practice (Keper System for tracking, partner in the Practice (Keper System for tracking, partner is survey, records research) and data entry  Are funding source shored water and sustainable still under discussion to select the appropriate important and partner is the project of district in the Practice sources of tracking.  Are funding source shored water and sustainable still under discussion to the funding source of cristrict in projects.  Are funding source shored water and sustainable still and project still and project still and partner in the practice states and and do one funding source shored water and sustainable still and project still and partner in the practice states and still and partner in the Practice states and and data |      |                               |                              |                        |                 |           | to compile, verify, and report   | plans that    |                |                 |                 |   |  |
| and in-progress BMPs  50 watershed projects  4.7 Wetland Enhancement & River Shoreline Improvement habitat for improved water quality  Complete 25 acres per year  ACCOMPLEZ 26 acres per year |      |                               |                              |                        |                 |           | data                             |               |                |                 |                 |   |  |
| SO watershed projects  Wetland Enhancement & River Shoreline Improvement beneficial aquatic plant habitat for improvement habitats for improvement to habitats for improvement aquality  Complete 25 acres per year  SO watershed projects  River Shoreline Improvement & Complete 25 acres per year  Complete 25 acres per year  SO watershed projects  River Shoreline Improvement & River Shoreline Improvement wetland habitat and partnering and partnering sources for implementation, permitting hurdles  River Shoreline Improvement (and the project implementation) and of outreach, and outreach, and state the partnering sources for implementation, permitting hurdles  River Shoreline Improvement (and the project implementation) and the partnering partnery survey, records research) and data entry  Design assistance, and state (and owner family project improvement and sasistance, and state (and owner funding sources for implementation, permitting hurdles  Complete 25 acres per year  Complete 25 acres per year  Complete 25 acres per year  ALZO, landowners, County – key environmentall resources for implementation, permitting hurdles  River Shoreline Improvement (and projects) and satisfaction, funding sources for implementation, permitting hurdles  Complete 25 acres per year  Complete 25  |      |                               |                              |                        |                 |           | I                                |               |                |                 | position        |   |  |
| 4.7 Wetland Enhancement & River Shoreline Improvement what habitat for improved water quality  Complete 25 acres per year  So watershed projects  Approve and expand beneficial and usualtic plant or granulations, and state years and such as the proportant areas  PEBC)  Approve and expand beneficial and usualtic plant or granulations, and state years and such as the project of clistic implementation, permitting hurdles  Approve and expand beneficial and usualtic plant or granulations, and state years and such and project implementation, permitting hurdles  Approve and expand beneficial and usualtic plant or granulations, and state years and such and project implementation, permitting hurdles  Approve and expand beneficial and usualtic plant or granulations, and state years and such and project implementation, permitting hurdles  Complete 25 acres per year  Approve and expand beneficial and usualtic plant important and project implementation. Permitting hurdles  Complete 25 acres per year  Approve and expand beneficial and usualtic plant important and project implementation. Permitting hurdles  Complete 25 acres per year  Approve and expand beneficial and usualtic plant important and project implementation. Permitting hurdles  Complete 25 acres per year  Complete 25 acres  |      |                               | and in-progress BMPs         | PGC, & PFBC)           |                 |           | I                                |               |                |                 | l               |   |  |
| 4.7 Wetland Enhancement & River Shoreline Improvement wetland habitat and beneficial augustic plant habitat for improved water quality  Complete 25 acres per year  Wetland Enhancement & River Shoreline Improvement of the Complete 25 acres per year  Wetland Enhancement & River Shoreline Improvement of the Complete 25 acres per year  LCD, Iandowners, County – key environmentall operation and sources for implementation, permitting hurdles  LCD, Iandowners, County – key environmentall operation and sources for implementation, permitting hurdles  LCD, Iandowners, County – key environmentall operation and sources for implementation, permitting hurdles  LCD, Iandowners, County – key environmental in partner survey, records research) and assistance, assistance, and and andowner improvement funding sources for district staff positions design/permitting the discussion to select the appropriate enhancement and improvement funding sources for district staff positions design/permitting the selection of the conduct the study before project implementation.  Complete 25 acres per year  |      |                               |                              | 1                      |                 |           | I                                |               |                |                 | l               |   |  |
| 4.7 Wetland Enhancement & Improve and expand River Shoreline Improvement wetland habitat and beneficial adjustic plant habitat for improved water quality  Complete 25 acres per year  Wetland Enhancement & PEC)  LCD, Iandowners, County – key partnering environmentall habitat for improved water quality  Complete 25 acres per year  LCD, Iandowners, County – key partnering environmental thabitat for improved water quality  Complete 25 acres per year  LCD, Iandowners, County – key partnering environmental thabitat for improvation areas a project and sources for implementation, permitting hurdles  LCD, Iandowners, County – key partnering environmental thabitat for improvation and project implementation.  PERC)  LCD, Iandowners, County – key partnering environmental thabitat for improvation and project implementation.  PERC)  LCD, Iandowners, County – key partnering assistance, and and alandowner improvement funding besign countries for district implementation.  PERC)  LCD, Iandowners, County – key partnering assistance, and individual and project implementation.  PERC)  LCD, Iandowners, County – key partnering assistance, and for district implementation.  PERC)  Lorent enhancement and alandowner improvement funding ourse impro |      |                               | 50 watershed projects        | 1                      |                 |           | I                                | already known |                |                 | l               |   |  |
| 4.7 Wetland Enhancement & Improve and expand River Shoreline Improvement to the first or improved water quality Complete 25 acres per year  LCD, Iandowners, County – key environmental minoportant and sources for implementation, permitting hurdles and permitting hurdles areas  PEBC)  Landowner Participation, funding sources for implementation, permitting hurdles and improvement funding under plant or improvement funding or implementation and size of the segment of the |      |                               |                              | I                      | 1               | l         | I                                | I             |                |                 | l               | funding from the Bay Office.                      |  |
| Wetland Enhancement & Improve and expand wetland habitat and beneficial aquatic plant habitat for improved water quality  Complete 25 acres per year  Wetland Enhancement & Improve and expand wetland habitat and beneficial aquatic plant habitat for improved water quality  Complete 25 acres per year  Wetland Enhancement & Improve and expand wetland habitat and beneficial aquatic plant habitat for improved water quality  PFBC  Landowner Participation, funding lossign sources for implementation, permitting hurdles  Sources for implementation, permitting hu |      |                               |                              | 1                      |                 |           | I                                | I             |                |                 | l               |   |  |
| 4.7 Wetland Enhancement & River Shoreline Improvement wetland habitat and abenfulia aluquit cylant organizations, and state valuality and the provided and august cylant organizations, and state valuality and the provided and august cylant organizations, and state valuality and the provided and august cylant organizations, and state valuality areas PFBC)  Complete 25 acres per year  Wetland Enhancement & River Shoreline Improvement the Abitat for improved water quality and the provided and partnering partnering partnering and the provided and partnering sources for implementation, permitting hurdles  LED, Iandowner Participation, funding besign sources for implementation, permitting hurdles  LED, Iandowners, County – key environmental important and is sources for implementation, permitting hurdles  Landowner Participation, funding besign sources for implementation, permitting hurdles  Linding source improvement funding project standowner improvement funding project standowner improvement funding organizations design/permitti in given the project standowner improvement funding organizations and state valual and owner participation, funding besign countered the sustainable still under discussion to select the appropriate dendowner outreach, and project standowner improvement funding organizations design/permitti in given the project of project standowner improvement funding organizations.  Complete 25 acres per year   |      |                               |                              | I                      |                 |           | 1                                | I             |                |                 | l               |   |  |
| Wetland Enhancement & Improve and expand River Shoreline Improvement with habitat and beneficial aquatic plant habitat for improved water quality  Complete 25 acres per year  Wetland Enhancement & Complete 25 acres per year  LCD, landowners, County – key environmental penvironmental programizations, and state agencies (DCNR, PGC, & PFBC)  Landowner Participation, funding bosign sources for implementation, permitting hurdles  Landowner Participation, funding bosign sources for implementation, permitting hurdles  Landowner Participation, funding bosign assistance, and sissistance of improvement funding source  |      |                               |                              | I                      |                 |           | 1                                | I             |                |                 | l               |   |  |
| River Shoreline Improvement wetland habitat and beneficial aquatic plant organizations, and state program and partnering environmental programizations, and state program and  |      |                               |                              | 1                      |                 |           | I                                | I             |                | data entry      | l               |   |  |
| River Shoreline Improvement wetland habitat and beneficial aquatic plant organizations, and state program and partnering environmental programizations, and state program and  |      |                               |                              |                        |                 |           |                                  |               |                |                 |                 |   |  |
| beneficial aquatic plant organizations, and state by important habitat for improved water quality  Complete 25 acres per year  beneficial aquatic plant organizations, and state by important agencies (DCNR, PGC, & areas per year organizations). The permitting hurdles and landowner funding source improvement funding so | 4.7  |                               |                              |                        |                 | 2021-2025 |                                  |               |                |                 |                 |   |  |
| habitat for improved water quality areas pFBC)  Complete 25 acres per year   |      | River Shoreline Improvement   |                              |                        |                 | l         |                                  | assistance    |                |                 |                 |   |  |
| quality PFBC) funding project staff positions design/permitt & 2022- This initiative has been under discussion to Implementatio find a university to conduct Water Willow no for projects research and its benefit on shoreline  |      |                               |                              |                        |                 |           | permitting hurdles               | I             |                |                 |                 |   |  |
| design/permitt Complete 25 acres per year  |      |                               |                              |                        | areas           |           | I                                | I             |                |                 |                 | implementation.                                   |  |
| Complete 25 acres per year ling implementatio find a university to conduct Water Willow n of projects research and its benefit on shoreline  |      |                               | quality                      | PFBC)                  |                 |           | I                                | I             | tunding        |                 |                 |   |  |
| n of projects research and its benefit on shoreline  |      |                               |                              | I                      |                 |           | 1                                | I             |                |                 |                 |   |  |
|  |      |                               | Complete 25 acres per year   | 1                      |                 |           |                                  | l             |                | ing             |                 |   |  |
| improvements unuagi project imperientation   |      |                               |                              | I                      | 1               | l         | I                                | I             |                | I               | ii or projects  |   |  |
|  |      |                               |                              |                        |                 |           |                                  |               |                |                 |                 |   |  |
|  |      |                               |                              |                        |                 |           |                                  |               |                |                 |                 | improvements through project implementation       |  |