

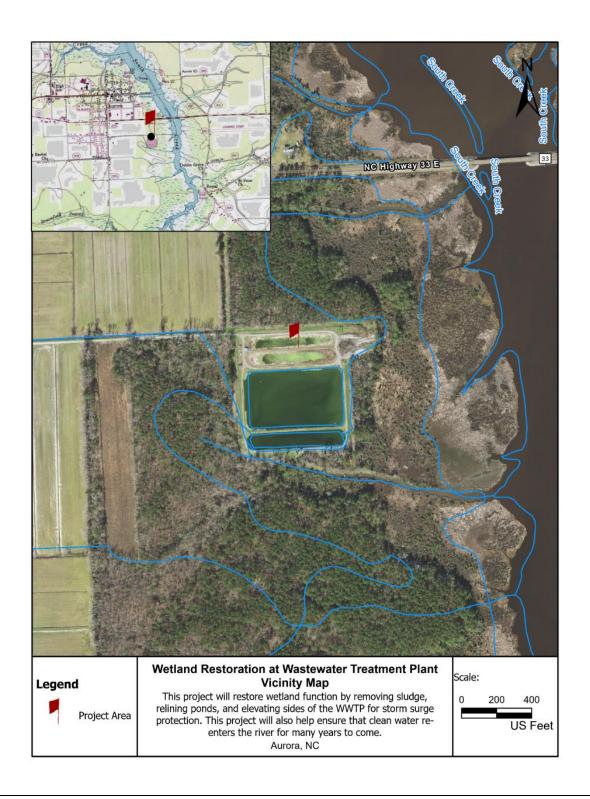
# **APPENDIX D**

**Project Portfolios** 



**Wetland Restoration at Wastewater Treatment Plant** 

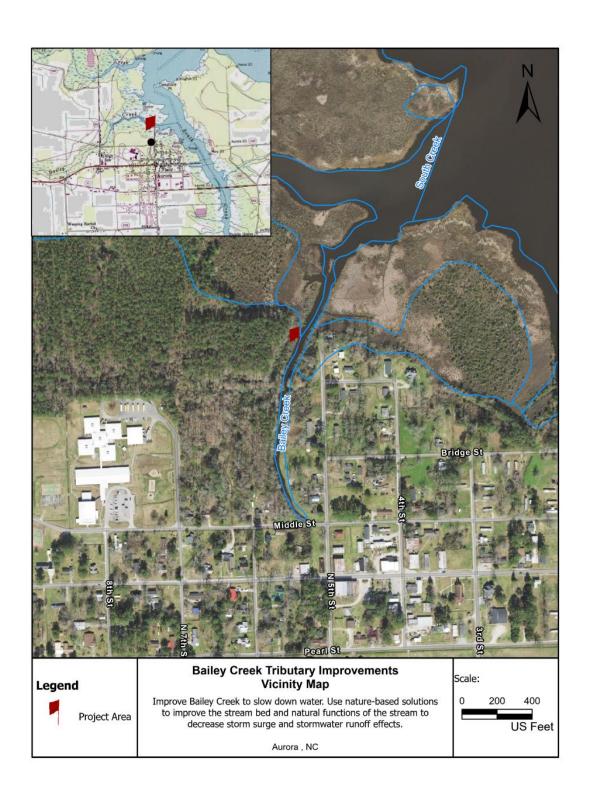
Project Summary	
Project Name	Wetland Restoration at Wastewater Treatment Plant (WWTP)
Project Description	This unique WWTP uses the natural function of a wetland in its process to desanitize and purify wastewater. This project will restore wetland function by removing sludge, relining ponds, and elevating sides of the WWTP for storm surge protection. This project will also help ensure that clean water re-enters the river for many years to come.
Hazard(s) Addressed by Project	List Hazards Specific to the Community Which Impact the Project Location (Refer to Hazard Mapping)  Flooding / Flood Zones Storm Surge Sea Level Rise
Type of Solution/Strategy Area	List Strategy Area Column(s) from Matrix (e.g., Policy/Regulatory, Staffing, Funding & Resources, Emergency Services, Infrastructure, Nature-Based, Hybrid)  • Hybrid
Type of Strategy Approach	List Strategy Approach from Matrix (e.g., Avoid, Accommodate, Protect, Retreat, Build Adaptive Capacity)  Protect
Project Estimated Cost	\$250,000 - \$350,000
Potential Implementation Funding Sources	Potential Sources for Project/Action Implementation  Resilient Coastal Communities Program Grant Golden Leaf Foundation BRIC
Project Estimated Timeline	1-3 years
Priority Rating	High
Potential Submission for RCCP Phase 3	Yes No Project must be a nature-based solution or hybrid solution to be considered for RCCP Phase 3.





**Bailey Creek Tributary Improvements** 

Project Summary	
Project Name	Bailey Creek Tributary Improvements
Project Description	Improve Bailey Creek to slow down water. Use nature-based solutions to improve the stream bed and natural functions of the stream to decrease storm surge and stormwater runoff effects.
Hazard(s) Addressed by Project	List Hazards Specific to the Community Which Impact the Project Location (Refer to Hazard Mapping)  Flooding / Flood Zones Storm Surge Sea Level Rise
Type of Solution/Strategy Area	List Strategy Area Column(s) from Matrix (e.g., Policy/Regulatory, Staffing, Funding & Resources, Emergency Services, Infrastructure, Nature-Based, Hybrid)  Nature-Based
Type of Strategy Approach	List Strategy Approach from Matrix (e.g., Avoid, Accommodate, Protect, Retreat, Build Adaptive Capacity)  Build Adaptive Capacity
Project Estimated Cost	\$300,000 - \$500,000 for approx. 2,000ft of stream
Potential Implementation Funding Sources	Potential Sources for Project/Action Implementation  Golden Leaf Foundation BRIC FEMA Flood Mitigation Assistance (FMA)
Project Estimated Timeline	1-3 years
Priority Rating	Medium
Potential Submission for RCCP Phase 3	Yes No Project must be a nature-based solution or hybrid solution to be considered for RCCP Phase 3.
Project Map	





**Easements for Ditches and Tributaries** 

Project Summary	
Project Name	Easements for Ditches and Tributaries
Project Description	Develop easements to maintain drainage ditches and tributaries. Once easements are obtained, identify locations where stormwater control methods could be implemented to provide water capacity and/or treat water.
Hazard(s) Addressed by Project	List Hazards Specific to the Community Which Impact the Project Location (Refer to Hazard Mapping)  Flooding / Flood Zones Storm Surge Sea Level Rise
Type of Solution/Strategy Area	List Strategy Area Column(s) from Matrix (e.g., Policy/Regulatory, Staffing, Funding & Resources, Emergency Services, Infrastructure, Nature-Based, Hybrid)  • Hybrid
Type of Strategy Approach	List Strategy Approach from Matrix (e.g., Avoid, Accommodate, Protect, Retreat, Build Adaptive Capacity)  Accommodate / Protect
Project Estimated Cost	\$50,000 - \$75,000
Potential Implementation Funding Sources	Potential Sources for Project/Action Implementation  Golden Leaf Foundation BRIC American Rescue Plan Act (ARPA) of 2021
Project Estimated Timeline	1-2 years
Priority Rating	High
Potential Submission for RCCP Phase 3	Yes No Project must be a nature-based solution or hybrid solution to be considered for RCCP Phase 3.
Project Map	



**Drainage Ditch and Tributary Maintenance Plan** 

Project Summary	
Project Name	Drainage Ditch and Tributary Maintenance Plan
Project Description	Development of a maintenance plan for cleaning out drainage ditches and tributaries. Identify areas that could be turned into bioswales for treatment of runoff. This project will help reduce flooding and improve water quality.
Hazard(s) Addressed by Project	List Hazards Specific to the Community Which Impact the Project Location (Refer to Hazard Mapping)  Hazard A Hazard B Hazard C
Type of Solution/Strategy Area	List Strategy Area Column(s) from Matrix (e.g., Policy/Regulatory, Staffing, Funding & Resources, Emergency Services, Infrastructure, Nature-Based, Hybrid)  Nature-based
Type of Strategy Approach	List Strategy Approach from Matrix (e.g., Avoid, Accommodate, Protect, Retreat, Build Adaptive Capacity)  Accommodate / Protect
Project Estimated Cost	\$100,000 - \$150,000
Potential Implementation Funding Sources	Potential Sources for Project/Action Implementation
Project Estimated Timeline	1-2 years
Priority Rating	High
Potential Submission for RCCP Phase 3	Yes No Project must be a nature-based solution or hybrid solution to be considered for RCCP Phase 3.
Project Map	



Community Retreat Parking Lot

Project Summary	
Project Name	Community Retreat Parking Lot
Project Description	Develop a secure community parking lot outside of flood hazard areas where community members could park their vehicles during storms. The retreat location could also serve as a community amenity outside of major storm events.
Hazard(s) Addressed by Project	List Hazards Specific to the Community Which Impact the Project Location (Refer to Hazard Mapping)  Flooding / Flood Zone Storm Surge Sea Level Rise
Type of Solution/Strategy Area	List Strategy Area Column(s) from Matrix (e.g., Policy/Regulatory, Staffing, Funding & Resources, Emergency Services, Infrastructure, Nature-Based, Hybrid)  Infrastructure
Type of Strategy Approach	List Strategy Approach from Matrix (e.g., Avoid, Accommodate, Protect, Retreat, Build Adaptive Capacity)  Protect / Build Adaptive Capacity
Project Estimated Cost	\$150,000 – \$225,000 per acre
Potential Implementation Funding Sources	Potential Sources for Project/Action Implementation  American Rescue Plan Act (ARPA) of 2021  HUD's Community Dev. Block Grants  FEMA Hazard Mitigation Grant Program (HMGP)
Project Estimated Timeline	1-3 years
Priority Rating	High
Potential Submission for RCCP Phase 3	Yes No Project must be a nature-based solution or hybrid solution to be considered for RCCP Phase 3.
Project Map	



Aurora and Richland Township Master Plan

Project Summary	
Project Name	Aurora and Richland Township Master Plan
Project Description	Develop a Master Plan for the Town of Aurora and the Richland Township, with focus on Climate Change and Growth. The master plan will incorporate:  a. Equitable Opportunity, b. Zoning, c. Economic Development, d. Resiliency, Healthy, and Livable Community
Hazard(s) Addressed by Project	List Hazards Specific to the Community Which Impact the Project Location (Refer to Hazard Mapping)  Flooding / Flood Zone Storm Surge Sea Level Rise
Type of Solution/Strategy Area	List Strategy Area Column(s) from Matrix (e.g., Policy/Regulatory, Staffing, Funding & Resources, Emergency Services, Infrastructure, Nature-Based, Hybrid)  Policy/Regulatory
Type of Strategy Approach	List Strategy Approach from Matrix (e.g., Avoid, Accommodate, Protect, Retreat, Build Adaptive Capacity)  Build Adaptive Capacity
Project Estimated Cost	\$60,000 - \$80,000
Potential Implementation Funding Sources	Potential Sources for Project/Action Implementation  Golden Leaf Foundation BRIC American Rescue Plan Act (ARPA) of 2021
Project Estimated Timeline	1-2 years
Priority Rating	High
Potential Submission for RCCP Phase 3	Yes No Project must be a nature-based solution or hybrid solution to be considered for RCCP Phase 3.
Project Map	