APPENDIX D

Project Portfolios

North Carolina RESILIENT COASTAL COMMUNITIES PROGRAM

CITY OF WASHINGTON

Drainage Ditch and Tributary Maintenance Plan

Project Summary					
Project Name	Drainage Ditch and Tributary Maintenance Plan				
Project Description	Develop a maintenance plan to clean out drainage ditches and tributaries in order to decrease flooding by improving flow.				
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) ▪ 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 ▪ Golden Leaf Foundation ▪ BRIC ▪ American Rescue Plan Act (ARPA)				
Project Estimated Timeline	1-2 year				
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

North Carolina RESILIENT COASTAL COMMUNITIES PROGRAM

CITY OF WASHINGTON

Green Infrastructure Pilot Project

Project Summary					
Project Name	Green Infrastructure Pilot Project				
Project Description	Conduct a pilot project to locate large areas of impervious surfaces where green infrastructure design techniques could be implemented. This could include areas such as: parking lots, roads, and driveways.				
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) ▪ Nature-Based				
Type of Strategy Approach	List Strategy Approach from Matrix (e.g., Avoid, Accommodate, Protect, Retreat, Build Adaptive Capacity) ▪ Accommodate				
Project Estimated Cost	$150.000 - $225,000 per acre				
Potential Implementation Funding Sources	Potential Sources for Project/Action Implementation ▪ American Rescue Plan Act (ARPA) ▪ 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

Green Infrastructure Pilot Project

North Carolina RESILIENT COASTAL COMMUNITIES PROGRAM

CITY OF WASHINGTON

Jacks Creek Drainage Project Expansion

Project Summary					
Project Name	Jack's Creek Drainage Project Expansion				
Project Description	Extend the current hospital area drainage project to outfall at Jack's Creek further downstream. The current project is from 15th &Brown Street to Simmons Street and terminates at the open ditch at Simmons Street near Willow Street.				
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				
Project Estimated Cost	$200 - $400 per foot				
Potential Implementation Funding Sources	Potential Sources for Project/Action Implementation ▪ American Rescue Plan Act (ARPA) ▪ FEMA Hazard Mitigation Grant Program (HMGP) ▪ FEMA Flood Mitigation Assistance (FMA)				
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

Jack's Creek Drainage Project Expansion

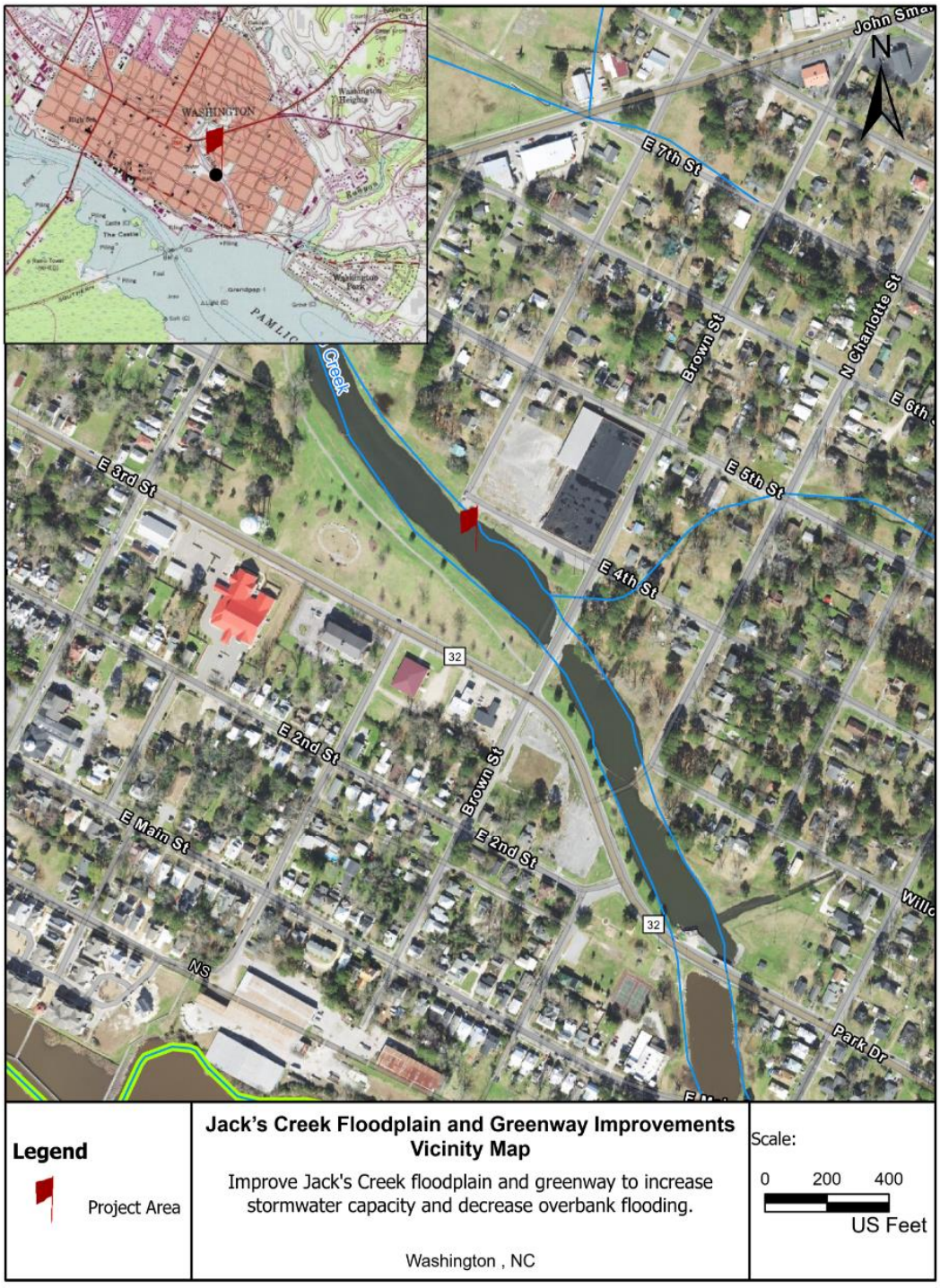
North Carolina RESILIENT COASTAL COMMUNITIES PROGRAM

CITY OF WASHINGTON

Jack's Creek Floodplain and Greenway Improvements

Project Summary					
Project Name	Jack's Creek Floodplain and Greenway Improvements				
Project Description	Improve Jack's Creek floodplain and greenway to increase stormwater capacity and decrease overbank flooding. This could include: intentional inundation, bioretention ponds, and/or an automated stormwater system while also restoring the recreational area around the creek.				
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) ▪ Hybrid				
Type of Strategy Approach	List Strategy Approach from Matrix (e.g., Avoid, Accommodate, Protect, Retreat, Build Adaptive Capacity) ▪ Protect				
Project Estimated Cost	$500,000 - $750,000 per acre				
Potential Implementation Funding Sources	Potential Sources for Project/Action Implementation ▪ Resilient Coastal Communities Program ▪ BRIC ▪ American Rescue Plan Act (ARPA)				
Project Estimated Timeline	2-5 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


N
E 7th St
Brown St
N Charlotte St
E 6th
E 5th St
E 4th St
E 3rd St
E 2nd St
E Main St
32
Park Dr
Legend
Project Area
Jack's Creek Floodplain and Greenway Improvements Vicinity Map
Improve Jack's Creek floodplain and greenway to increase stormwater capacity and decrease overbank flooding.
Washington , NC
Scale:
0 200 400
US Feet

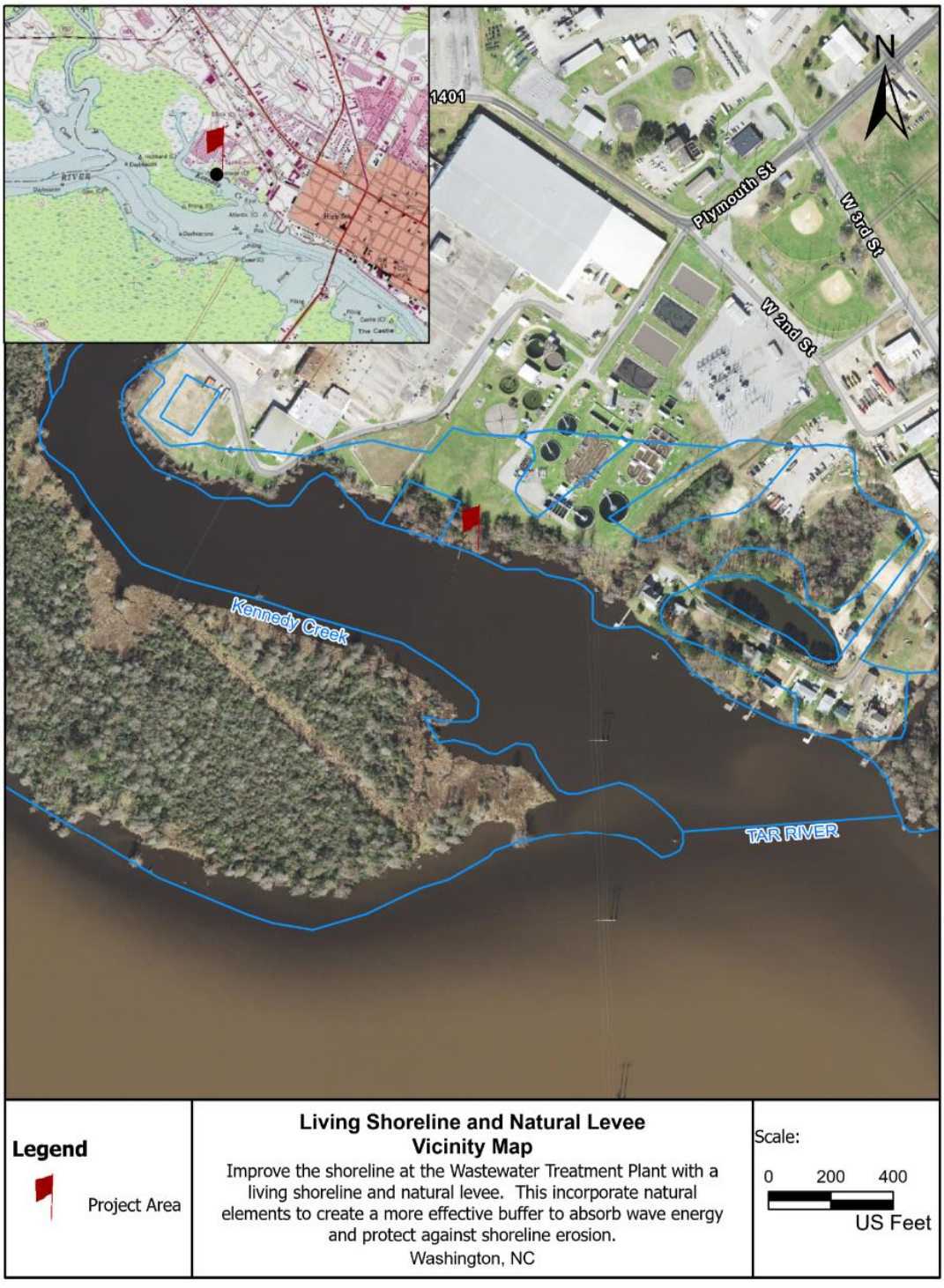
North Carolina RESILIENT COASTAL COMMUNITIES PROGRAM

CITY OF WASHINGTON

Living Shoreline and Natural Levee

Project Summary					
Project Name	Living Shoreline and Natural Levee				
Project Description	Improve the shoreline at the Wastewater Treatment Plant with a living shoreline and natural levee. Living shorelines are a relatively new approach. They incorporate natural elements to create a more effective buffer to absorb wave energy and protect against shoreline erosion.				
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) ▪ Nature-Based				
Type of Strategy Approach	List Strategy Approach from Matrix (e.g., Avoid, Accommodate, Protect, Retreat, Build Adaptive Capacity) ▪ Protect				
Project Estimated Cost	$150 - $350 per foot				
Potential Implementation Funding Sources	Potential Sources for Project/Action Implementation ▪ Golden Leaf Foundation ▪ BRIC ▪ American Rescue Plan Act (ARPA)				
Project Estimated Timeline	2-3 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


1401
N
Plymouth St
W 3rd St
W 2nd St
Kennedy Creek
TAR RIVER
Legend
Project Area
Living Shoreline and Natural Levee
Vicinity Map
Improve the shoreline at the Wastewater Treatment Plant with a living shoreline and natural levee. This incorporate natural elements to create a more effective buffer to absorb wave energy and protect against shoreline erosion.
Washington, NC
Scale:
0 200 400
US Feet

North Carolina RESILIENT COASTAL COMMUNITIES PROGRAM

CITY OF WASHINGTON

Nature-Based Stormwater Features

Project Summary					
Project Name	Nature-Based Stormwater Features				
Project Description	Install nature-based stormwater features south of the airport to decrease flooding near the Jackson Street and Minuteman Lane area. Nature-based stormwater features include techniques such as: bioretention ponds, bioswales, and rain gardens.				
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) ▪ Hybrid				
Type of Strategy Approach	List Strategy Approach from Matrix (e.g., Avoid, Accommodate, Protect, Retreat, Build Adaptive Capacity) ▪ Accommodate / Protect				
Project Estimated Cost	$75,000 - $150,000 per feature				
Potential Implementation Funding Sources	Potential Sources for Project/Action Implementation ▪ American Rescue Plan Act (ARPA) ▪ BRIC ▪ Golden Leaf Foundation				
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					