



**US Army Corps
of Engineers** ®

Mobile District

**DRAFT PROCTOR CREEK ECOSYSTEM RESTORATION
INTEGRATED FEASIBILITY REPORT**

ATLANTA, GEORGIA

**APPENDIX D – INTEGRATED WATER
RESOURCE MANAGEMENT**

**U.S. Army Corps of Engineers
South Atlantic Division
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APPENDIX D

**INTEGRATED WATER RESOURCE
MANAGEMENT ALTERNATIVES**

1. Integrated Water Resource Management (IWRM) Alternatives

The Urban Waters Federal Partnership (UWFP) identified projects and programs both existing and proposed that could address one or more of the problems identified as part of the public engagement with Proctor Creek stakeholders. Table 1 below identifies the project or program, description and potential partners and funding sources. Listed partners and funding sources were identified during the UWFP meetings. No official commitments including participation or funding have been agreed to.

Table 1: IWRM Alternatives

Project/ Program Name	Description	Potential Partners	Potential Funding Sources
Atlanta Conservation Partnership Initiative	Land conservation initiative	Forest Service	Forest Service
Atlanta Urban Ecology Resource Center (AUERC)	Developing an Atlanta Urban Ecology Resource Center that would house educational programs related to urban ecology	Current partners - Community Improvement Association, WAWA, Conservation Fund, Park Pride, Eco-Action	current funding for feasibility study from Invest Atlanta
Atlanta Watershed Learning Network	The goal of this is to create a green infrastructure advocacy training program that includes both Proctor and Intrenchment Creek residents.	Partners include Conservation Fund, American Rivers, Eco-Action, West Atlanta Watershed Alliance and Park Pride, COA	Conservation Fund, Park Pride, American Rivers
Boone Park West	Green Infrastructure park that includes significant community engagement, citizen science opportunities, workforce training and employment for residents	30 partners	Multiple funders - National Parks and Recreation, Uhaul, SunTrust Bank, PNC Bank, City of Atlanta and EPA among others
Boone to Beltline Greenway	16 acre greenway to connect Boone Green Street to Atlanta Beltline; would reconstruct wetlands and include stream restoration	Same partners as Boone Park West which is Phase I of this larger greenway project	Funding Partners would include City and Federal partners, philanthropic and corporate partners

Citizen/Community Science Initiative	Water Quality Monitoring in the Creek	WAWA, CRK, GA Tech, UGA, EPA, City of Atlanta, CIA, EPD, American Rivers, Ground Works Atlanta, MAUVI	EPA, GA Tech
Community Gardens at Schools to Market	Popup market tied to local gardens and gardens at schools to provide fresh local food in the area; tie to develop small businesses in area, tie an educational component to school, tie to a distribution mechanism to seniors or to people who cannot get out of home (or use existing resources for distribution)	Department of Education, EPA, Department of Agriculture, Groundwork Atlanta, NGOs	unknown
Composting Education in Schools	Outreach Via DWM and Office of Resilience Recycling Team	Potentially Food Well Alliance	Grants, City funds
Conservation Fund Parks with Purpose	Building GI Greenspaces	50 partners	COA, Foundations
Creation of CDFI (Community Development Finance Institution)	create a CDFI extension with CDFI's already in existence in the Atlanta Area to assist the Proctor Creek Community in accessing funding resources for resiliency activities and community development (ANDP)	Treasury, Rockefeller, EDA, COA, EPA (UWFP)	US Treasury, Rockefeller Foundation, FHWW
Cultural Resource and Historic Landscape Protections	GA State Historic Preservation Office grants; Historic Preservation Fund, Georgia Heritage grant	Community and SHPO	GA SHPO, COA, NPS
Develop Monitoring Plan for Proctor Creek	Develop a monitoring plan for Proctor Creek to provide Water Quality Data to the COA and the State of GA by collecting baseline dry weather and wet weather data and fish tissue data; the information will be used to clean up the creek, while also providing advisory information for the residents about the fish life in the creek; the plan will also show what bacteria, nutrient levels are so that the COA and the State will have the information to determine how to clean up the creek and to remove it from the 303D List for Bacteria (E coli); create a Citizen Science Team to continue monitoring and sampling of the creek; provide outreach and education that can lead to employment opportunities	EPA, FWS, WAWA, CRK, COA, Adopt a Stream, ACE, USGS	EPA, USGS

Ecological Framework Habitat Implementation for Healthy Habitat and Healthy Communities	Using i-tree suite of tools to identify eco benefits within PC; utilize ecological framework and i-Tree to address habitat needs; an Ecological Framework Habitat Implementation for Healthy Habitat and Healthy Communities allows for additional habitat acquisition/flood mitigation acquisition in Proctor Creek Basin and Chattahoochee River; these acquisitions may be identified in the Proctor Creek North Ave Study or in other city/county/community plans; coordination of Federal and state agencies may be led by Southwest Natural Resources Leadership Group (SNRLG); acquisitions are prioritized by habitat needs and flood mitigation opportunities; these properties/acquisitions may be used in the community citizen science and related projects	SNRLG, USFS, USFW, EPA	unknown
EDA - Economic Development Integration (EDI)	leveraging Federal partnerships to accomplish multi-factor projects	as many as needed	EDA, other Federal partnerships
EDA - grant opportunities	grants to create jobs and bring in private investments	the more collaboration, the better	EDA
EDA - The Russell Center for Innovation and Entrepreneurship	Business incubator to match assets with needs of entrepreneurs, resiliency	regionally collaborated	EDA, others
Educational Environmental Signage	Watershed, urban forest pollinator GI signs throughout transportation corridors and neighborhoods	DOT, USDA, CF, COA	
Environmental Health	Emory University Assessments and Access to Healthcare	Emory and community partners	Hercules Funding
FEMA Employment Opportunities	Disaster Declaration - local hire and reservist program	Individual Initiative and Outreach	FEMA
Green Infrastructure/ Water Efficiency Team	Training Community members to construct residential-based green infrastructure BMP's (Rain gardens, rain barrel installation, downspout redirection programs and to perform indoor water use assessments and to replace showerheads, faucet aerators, and toilets	Division of Watershed Management, Department of Resiliency, West Atlanta Watershed Alliance, WATER communities	American Rivers, Conservation Fund, COA
Greenspace and State Hazard Mitigation Office	connect with SHMO as a resource for land acquisition	GEMA, FEMA	SHPO, NRHP or CLGS

Hazard Mitigation Planning	watershed incorporation into flood impacts/assessments which would tie into City and State Hazard Mitigation plans, which would then be incorporated into disaster planning with the State Hazard Mitigation Officer and potential Hazard Mitigation Grant Program funding; furthermore, potential educational opportunities with local and state outreach for flood reporting which may also tie into knowledge gaps for city and state (re: repetitive flood loss)	Community, City of Atlanta, Fulton County Emergency Management, Georgia Management, FEMA	FEMA Mitigation
Health Impact Assessment (watershed level); Green infrastructure incentives for economic development	Invest Atlanta can design economic development incentives for installation of GI that supports flood mitigation; the installation plans becomes the incentives for development; GAPS that must be addressed included geographic sensitivity areas - where are parking lots a problem? Where are tree canopy or other habitat needed? Incentives could be listed: parking lot removal/modification to permeable pavement; tree canopy preservation/tree planting; green roof or green cover; walkable development; expand elementary/high school campus with tree starts	Local economic development must link with Federal partners to address	USEPA, USFS
HUD Housing Counseling Agencies	Provide counseling to residents on homeownership; Provide counseling to residents on predatory loans/lending and safeguards to retaining property; Provide counseling to renters on landlord-tenant issues	Neighborworks, Urban League, Metro Fair Housing, others	HUD
Legal Services - GA Heirs Property Center	Assist homeowners in developing wills and trusts	Bar Associations	Volunteers - GA Home Property Center
Migratory Bird Corridor FWS	Acquisition of Contiguous Parcels for a Migratory Bird Corridor	FWS, 5 Star, Audubon Society	unknown
Mosquito and Vermin Identification and Warning; Emergency Management Plan for Mosquito/Pandemic Fine Hazard	Ongoing programs are less connected to Federal mitigation and emergency planning support; have academic/CDC/HHS researchers collaborate on input into local emergency planning for mosquito and disease related risks; notification process and systems are the outcome along with locally funded management systems	GEMA, FEMA, HHS	HHS, Homeland Security
PC Heritage Trail	Acquisition and development of Cultural/Heritage Trail through culturally important places in watershed	NPS, Community, Clark Atlanta University	Park service, forest service

Pollinator Gardens	Bees, Policies against neonicotinoids	City of Atlanta, COA Urban Agriculture Team	Grant Funding
Riverwalk	Parks with purpose projects/greenspaces; a separate project along the Chattahoochee River, a connection to the Proctor Creek Corridor, a development of trails and greenspace along the river, increases an awareness of the connection of Proctor Creek to the Chattahoochee	City of Atlanta, Groundwork Atlanta, EPA, Trust for Public Land, Conservation Fund	unknown
Storm water Management Implementation Plan	Develop a Storm water Management Implementation Plan for the Headwaters of Proctor Creek	Headwaters Stakeholders, Mercedes Benz Stadium, Turner (Rutherford Seydel), GWCC, GSA, Arthur Blank Foundation, COA, Community	EPA, individual stakeholders
Trash Free Waters	EPA's TFW program provides for outreach, education, technical assistance, funding for litter and tire reduction in the water bodies; the Proctor Creek TFW's initiative is divided into 2 parts; tire dumping elimination and installing trash traps in Proctor Creek; includes litter trash education, partner collaboration, enforcement actions, plans and location specs for installation and maintenance of trash traps (bandalong technology); it is a Water Quality Initiative that would include flood management, stormwater management, non-profit source identification and reduction, SSO reduction	EPA, COA, GA Aquarium, Coca Cola, Community, CIA, Groundworks Atlanta	EPA, COA, GA Aquarium
UCF Program	Disaster Preparedness, response and recovery; Urban Forest Inventory, urban Forestry Education; green infrastructure, design and management	USFS	USFS
Update Biotics (T & E) Study FWS	Recruit species study data on instream and terrestrial organisms	FWS	FWS

Urban Ecology Study (NAME PENDING)	Update baseline data for wildlife resources within Proctor Creek watershed; connect local community to backyard wildlife through active (community events) and passive (signage) means; form partnerships and employment opportunities with PC's neighboring universities (Georgia Tech, Atlanta University Center)	USACE, FWS, GT, AUC, WAWA, USFS (mapping (i-Tree)); follow school calendar, work within volunteer and safety guidelines, IBI State guidelines	FWCA, FWS, GT-secured grant (potential)
Urban Forest Inventory (UFiA)	urban forestry measurements, analysis and reporting/status, trends, and sustainability; track all work being done in the watershed		F5
USACE Ecosystem Restoration	Aquatic Ecosystem Restoration improvements for in-stream and riparian habitats	USACE, City of Atlanta	USACE, City of Atlanta
Watershed Improvement Plan Projects	Proposed projects include green infrastructure, stormwater control initiatives, and stream restoration	City of Atlanta	City of Atlanta