

ENVIRONMENTAL RESTORATION

ISSUE D1: ADEQUACY OF LAND USE/LAND DEVELOPMENT REGULATIONS: Current land use/land development regulations, and/or incentives, may not adequately address when or when not to allow build-back of sea walls or other coastal armoring structures, and do not address “relocation” of impacted properties landward from eroding shorelines , etc.

Strategy D1.1: Develop criteria and regulations to control build-back of vulnerable coastal structures and properties, including recognition of property owners’ need to protect their property after a storm (i.e., the need to make emergency repairs), but also the need to ensure appropriate materials and techniques are used for shoreline protection and that coastal resiliency is enhanced.

Action	Timeframe	Responsible Agency	Required Collaboration	Identify Resources Needed
<p>Action D1.1.1: Review existing land use policies and land development regulations to identify if changes are needed to regulations governing build-back of hardened coastal structures after a disaster (includes researching regulations and ideas from other coastal communities, and review of state and local regulations and emergency permitting procedures that would prevent harmful beach armoring) and address non-conforming structures.</p>	<p>2011/2012 - Coincide with LDR update</p>	<ul style="list-style-type: none"> • PC Planning Department 	<ul style="list-style-type: none"> • PC Department of Environment & Infrastructure (DEI) – Coastal Management & Hydrogeology Unit • PC Building & Development Review Services (PC BDRS) • Municipalities • County Attorney • PC DEI • Tampa Bay Estuary Program 	<ul style="list-style-type: none"> • Additional Staff Resources

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Action	Timeframe	Responsible Agency	Required Collaboration	Identify Resources Needed
<p>Action D1.1.2: Identify incentives for private landowners to relocate landward from eroding high risk shorelines and repetitive flood loss areas.</p>	<p>2011/2012 - Coincide with LDR update</p>	<ul style="list-style-type: none"> • PC Planning Department 	<ul style="list-style-type: none"> • PC BDRS • PC Community Development • PC Economic Development • PC DEI • County Attorney • Municipalities 	<ul style="list-style-type: none"> • Additional Staff Resources • Federal mitigation programs
<p>Action D1.1.3: Establish a workgroup to develop a procedure for pre-identifying, training & screening (post-disaster) those contractors who can perform post disaster coastal armoring, and identify such things as: basic standards and procedures, list of acceptable materials, incentives for “living shoreline solutions” and various coordination requirements.</p>	<p>2012</p>	<ul style="list-style-type: none"> • PC Construction Licensing Board (PCCLB) 	<ul style="list-style-type: none"> • PC Purchasing • PC BDRS • Municipalities • PC DEI - Watershed Section • PC Planning Department • Marine Contractors • FL Department of Environmental Protection (FDEP) 	<ul style="list-style-type: none"> • FL Department of Business and Professional Regulation (DBPR) Database • PC Purchasing list of pre-qualified and licensed marine contractors • PCCLB list of licensed contractors

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Strategy D1.2: Regulate land use types and intensities within vulnerable areas through the comprehensive plan and supportive regulations, including incentives for protecting/enhancing natural site features that contribute to resiliency and reduce development densities and intensities in hazardous areas.

Action	Timeframe	Responsible Agency	Required Collaboration	Identify Resources Needed
Action D1.2.1: Review and amend, if necessary, the comprehensive plan with specific policies.	2012	<ul style="list-style-type: none"> PC Planning Department 	<ul style="list-style-type: none"> PC DEI 	<ul style="list-style-type: none"> State resources
Action D1.2.2: Review, update if necessary, mangrove protection regulations.	2011/2012 - Coincide with LDR update)	<ul style="list-style-type: none"> PC Planning Department 	<ul style="list-style-type: none"> Tampa Bay Estuary Program PC DEI Municipalities 	<ul style="list-style-type: none"> State partners Staffing Assistance
Action D1.2.3: Implement the TBEP Habitat Master Plan.	On-going as funding allows (via MOU)	<ul style="list-style-type: none"> PC DEI 	<ul style="list-style-type: none"> Tampa Bay Estuary Program Municipalities 	<ul style="list-style-type: none"> Funding and Staffing
Action D1.2.4: Review/revise existing regulations that can be used to protect sand dunes on private property landward of the CCCL. (Note: Dunes seaward of the CCCL are protected by Florida law. Privately owned dunes landward of the CCCL are not protected, but the threatened or endangered species inhabiting those dunes are protected)	2012	<ul style="list-style-type: none"> PC DEI 	<ul style="list-style-type: none"> PC DEI – Coastal Management & Hydrogeology Unit PC BDRS FL Fish & Wildlife Conservation Commission (FWC) Municipalities 	<ul style="list-style-type: none"> Potential State Legislation

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<p>Action D1.2.5: Ensure environmental representation on the multijurisdictional land use workgroup to research idea of strategic retreat, rolling easements, etc., and legal aspects of, and criteria for, not allowing build-back at a certain point, or certain locations (to be identified) in order to foster resiliency to coastal storms and sea level rise in vulnerable areas.</p>	<p>2012</p>	<ul style="list-style-type: none"> • Tampa Bay Regional Planning Council (TBRPC) 	<ul style="list-style-type: none"> • County Attorney' • PC Planning Department • PC Parks & Conservation Resources • PC DEI – Coastal Management & Hydrogeology Unit • Municipalities • FDEP 	<ul style="list-style-type: none"> • State and Federal Partners (guidance and funding)
<p>Action D1.2.6: Pursue the acquisition of properties which contain desirable habitats, have the potential to be restored to provide desirable habitat, or serve to “fill in the gaps” in ecological corridors, or connect and enhance functional wildlife habitats countywide that contribute to disaster buffering.</p>	<p>On- going as funding allows</p>	<ul style="list-style-type: none"> • PC Real Estate Management 	<ul style="list-style-type: none"> • PC Parks and Conservation Resources • PC DEI • PC-Planning Department • Tampa Bay Estuary Program • Municipalities 	<ul style="list-style-type: none"> • Greenways and Habitats List • Tampa Bay Estuary Program Habitat Master Plan • Vulnerable properties List

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ISSUE D2: AVAILABILITY OF ENVIRONMENTAL DATA: Develop and maintain quality data to assess impacts & gauge recovery of natural communities, bird rookeries, species habitat, sea turtle nesting sites, hard bottom habitat, beach profiles, etc.

Strategy D2.1: Develop and maintain an accurate environmental database (e.g., maps, resource inventories, etc.) including information on what agency(cies) are responsible for maintaining the inventory.

Action	Timeframe	Responsible Agency	Required Collaboration	Identify Resources Needed
<p>Action D2.1.1: Convene a work group to: assemble/inventory existing plans and data, agree on species priorities and habitat hierarchy, identify data and inventory gaps, species/habitat vulnerability to disaster, as well as agency and organization responsibilities for maintenance of data, inventories, plans, and GIS mapping (including documenting and mapping ecologically sensitive habitats).</p>	<p>2012-2013</p>	<ul style="list-style-type: none"> • Agency on Bay Management (ABM) Habitat Restoration Committee 	<ul style="list-style-type: none"> • SWFWMD • Fish and Wildlife • Environmental non-profits • PC – Environment and Infrastructure • PC-Parks and Conservation Resources • PC Planning Department • Tampa Bay Estuary Program 	<ul style="list-style-type: none"> • Staffing Assistance • Financial Assistance • Mapping Assistance
<p>Action D2.1.2: Maintain Water and Air Quality Monitoring programs and monitoring networks; revisit/adjust, as needed, after a disaster.</p>	<ul style="list-style-type: none"> • On going, budgeted annually • Post Disaster: D+3 days – D+5 years 	<ul style="list-style-type: none"> • PC DEI-Watershed Section • PC Parks & Conservation Resources - Air Quality 	<ul style="list-style-type: none"> • Municipalities, • State and Federal regulatory agencies • Hillsborough County Environmental Protection Committee 	<ul style="list-style-type: none"> • Staffing Assistance

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Action	Timeframe	Responsible Agency	Required Collaboration	Identify Resources Needed
<p>Action D2.1.3: Complete management plans (per Pinellas County comprehensive plan), including identification of critical habitats, for county parks and preserves.</p>	<p>TBD with 2011/2012 comprehensive plan update(s)</p>	<ul style="list-style-type: none"> • PC Parks & Conservation Resources 	<ul style="list-style-type: none"> • PC DEI • PC Planning Department 	<ul style="list-style-type: none"> • Staffing Assistance
<p>Action D 2.1.4: Work with federal and state partners to identify potential sea level rise scenarios for west Florida.</p>	<p>TBD</p>	<p>TBD</p>	<ul style="list-style-type: none"> • University of Florida/IFAS/PC Extension • National Oceanographic and Atmospheric Administration (NOAA) • FDEP • PC DEI – Coastal Management & Hydrogeology Unit • PC Planning Department • PC Parks & Conservation Resources 	<ul style="list-style-type: none"> • NOAA SeaGrant • Federal and State guidance and funding

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ISSUE D3: EFFECTS OF HAZARDOUS MATERIALS AND DEBRIS: The vulnerability of air, water and soils to contaminants as well as the public health of residents and emergency responders is a critical issue in the post-disaster environment.

Strategy D3.1: Develop and maintain accurate hazardous materials databases, including agency(ies) responsible for maintaining current and accurate data.

Action	Timeframe	Responsible Agency	Required Collaboration	Identify Resources Needed
<p>Action D3.1.1: Convene a workgroup to identify and map known locations of contaminants/hazardous facilities, and point sources, and identify vulnerability of key/critical resources to these contaminants (based on location, contaminant types, surge zones, floodplain etc.)</p>	<p>2012/2013</p>	<ul style="list-style-type: none"> • TBD 	<ul style="list-style-type: none"> • PC DEI - Solid Waste Division • PC DEI • PC Emergency Management • Hazardous Materials Response Team • PC Planning Department • PC Parks & Conservation Resources- Air Quality • PC Health Department • FDEP • Municipalities • US Coast Guard • Area Maritime Security Committee (CMTE) • Universities (USF, UF) • Tampa Bay Local Emergency Management Planning Committee (LEPC) 	<ul style="list-style-type: none"> • Geographic Information System (GIS) and staffing

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Action	Timeframe	Responsible Agency	Required Collaboration	Identify Resources Needed
<p>Action D3.1.2: Review, and revise if appropriate, regulations that allow siting of hazardous businesses and facilities (water and air contaminants) in vulnerable locations.</p>	<p>With the LDR update</p>	<ul style="list-style-type: none"> • PC Planning Department 	<ul style="list-style-type: none"> • PC DEI - Solid Waste Division • PC DEI • PC Parks & Conservation Resources - Air Quality • PC Health Department • FDEP • Municipalities • PC BDRS • County Attorney 	
<p>Action D3.1.3: Annually review/update the County’s disaster response plan (including for hazardous material releases/spills) to pre-identify agency responsibilities and procedures and resources to quickly assess & monitor possible release of contaminants in the environment and potential health impacts to the community.</p>	<p>Annually/ongoing</p>	<ul style="list-style-type: none"> • TBRPC/Tampa Bay LEPC 	<ul style="list-style-type: none"> • PC DEI - Solid Waste Division • PC DEI • PC Parks & Conservation Resources - Air Quality • US Coast Guard • Municipalities • Local Hazardous Materials Response Teams • PC Emergency Management 	<ul style="list-style-type: none"> • PC Comprehensive Emergency Management Plan (CEMP)

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Strategy D3.2: Encourage ongoing training and education to better prevent, minimize and control certain types of post disaster hazardous spill and disposal issues.

Action	Timeframe	Responsible Agency	Required Collaboration	Identify Resources Needed
<p>Action D3.2.1: Continue to educate the public and hold local household disposal events, and operate disposal facilities to encourage the proper disposal of hazardous materials.</p>	<p>Ongoing</p>	<ul style="list-style-type: none"> • PC DEI - Solid Waste Division • 	<ul style="list-style-type: none"> • PC Communications • Municipalities 	<ul style="list-style-type: none"> • Ongoing funding
<p>Action D3.2.2: Work with businesses on their contaminant plans, hazardous materials storage issues, etc.</p>	<p>Ongoing</p>	<ul style="list-style-type: none"> • PC DEI - Solid Waste Division (SQG Group) 	<ul style="list-style-type: none"> • PC Economic Development • Municipalities 	
<p>Action D3.2.3: Establish a Team (see also 4.1.1.) to identify appropriate cleanup needs/strategies; develop policies, responsibilities, and training procedures for efficient and safe removal of debris from sensitive natural areas (for staff and volunteers).</p>	<p>2012</p>	<ul style="list-style-type: none"> • PC DEI - Solid Waste Division 	<ul style="list-style-type: none"> • FDEP • PC Emergency Management • PC DEI • PC Parks & Conservation Resources - Air Quality • St. Petersburg & Clearwater Audubon Societies • Keep Pinellas Beautiful • PC Office of Management & Budget (OMB) 	

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<p>Action D3.2.4: Annually review/maintain the list of pre-approved (licensed) contractors who can be used for post disaster debris clean-up</p>	<p>Immediately, and Annually thereafter</p>	<ul style="list-style-type: none"> • PC Purchasing 	<ul style="list-style-type: none"> • PC Emergency Management • PC DEI - Solid Waste Division • Keep Pinellas Beautiful • Tampa Bay Estuary Program • Municipalities • Other Non-profit Organizations 	<ul style="list-style-type: none"> • Existing pre-approved County List maintained by County Purchasing
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ISSUE D4: CONSIDERATION OF DEBRIS MANAGEMENT, PUBLIC HEALTH AND THE NATURAL ENVIRONMENT DURING RECOVERY AND REDEVELOPMENT EFFORTS: Post-disaster cleanups, debris cleanup and storage, and the placement of temporary housing, etc., have the potential to affect public health and the integrity of the natural environment (including air quality)

Strategy D4.1: Ensure that the removal and disposal of debris is handled in an environmentally-sound and efficient way to minimize impacts to sensitive resources, protect environmental systems and the public’s health.

Action	Timeframe	Responsible Agency	Required Collaboration	Identify Resources Needed
<p>Action D4.1.1: Establish a team (solid waste disaster planning team) to evaluate the County’s debris/hazardous debris management plan – including: updating/ reviewing proposed collection, recycling and disposal areas; reviewing for proximity to residential development, temporary housing sites, etc.; and reviewing locational criteria and sites for consistency with local plans, state regulations, public health and environmental impacts (soil, air and water).</p>	<p>Pre-disaster (Immediately, and every three years thereafter)</p>	<ul style="list-style-type: none"> • PC DEI - Solid Waste Division 	<ul style="list-style-type: none"> • OMB • PC Parks & Conservation Resources - Air Quality • PC DEI • PC Parks & Conservation Resources – Preserves & Managed Lands • Disaster Housing Task Force representative • PC Emergency Management • PC Health Department • Federal Emergency Management Agency (FEMA) 	<ul style="list-style-type: none"> • Map indicating properties meeting established criteria • Property Owner Contact List

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Action	Timeframe	Responsible Agency	Required Collaboration	Identify Resources Needed
<p>Action D4.1.2 Determine coordination and efficiency opportunities with the municipalities and FDOT on collection , storage and disposal of post storm debris in a manner that meets the reimbursement criteria for FEMA and protects county and municipal environmental resources – (include municipal representation on solid waste disaster planning team).</p>	<p>Pre-Disaster (immediately)</p>	<ul style="list-style-type: none"> PC DEI - Solid Waste Division 	<ul style="list-style-type: none"> State, Federal, and municipal partners FEMA PC Parks & Conservation Resources OMB PC Emergency Management PC Health Department PC Planning Department Disaster Housing Task Force Municipalities FL Department of Transportation (FDOT) 	<ul style="list-style-type: none"> Municipal solid waste disposal contacts
<p>Action D4.1.3: Immediately following an event, assess impact of the storm on potential debris management sites and determine appropriate use of sites given potential demand, location of impacted area, and owner cooperation.</p>	<p>D+3 days – D+60 days (Short-Term Recovery)</p>	<ul style="list-style-type: none"> PC DEI - Solid Waste Division 	<ul style="list-style-type: none"> State, Federal, and municipal partners Disaster Housing Task Force PC Parks & Conservation Resources – Air Quality PC Emergency Management PC Health Department PC Planning Department Disaster Housing Task Force 	<ul style="list-style-type: none"> Damage Assessment of Properties

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Action	Timeframe	Responsible Agency	Required Collaboration	Identify Resources Needed
Action D4.1.4: Establish/review MOUs with property owners, as applicable	Pre-Disaster Planning and review/update annually	<ul style="list-style-type: none"> • PC DEI - Solid Waste Division 	<ul style="list-style-type: none"> • State, Federal, and municipal Partners • County Attorney • Municipalities 	<ul style="list-style-type: none"> • Standard Memorandum of Understanding (MOU)
Action D4.1.5: Assess county and municipal debris management plans to ensure they adequately address hazardous contaminant/storage and air quality hazards, including air quality hazards and potential impacts on county and municipal environmental resources	Immediately, and every three years thereafter	<ul style="list-style-type: none"> • PC DEI - Solid Waste Division 	<ul style="list-style-type: none"> • OMB • PC DEI • PC Parks & Conservation Resources - Air Quality • TBRPC/Tampa Bay LEPC • Municipalities 	

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ISSUE D5: LAND ACQUISITION PLANNING: Address the lack of acquisition plans/priorities for after a disaster event (i.e., maximize the ability to take advantage of opportunities presented by the disaster to implement other environmental and resiliency goals).

Strategy D5.1: Position the county and municipalities to enhance environmental resources, promote resiliency, and foster quality redevelopment in the post-disaster environment.

Action	Timeframe	Responsible Agency	Required Collaboration	Identify Resources Needed
Action D5.1.1: Identify a Task Team/Work Group to develop criteria/strategies for identifying/acquiring areas not suitable for redevelopment, and prioritizing areas for acquisition after a storm (to allow advancement of habitats inland where appropriate as sea levels rise, to enhance greenways and wildlife corridors, protect/enhance habitats and biodiversity, provide recreational opportunities, etc.).	2012 for Task Team and Identification of Criteria	<ul style="list-style-type: none"> PC DEI 	<ul style="list-style-type: none"> PC Real Estate Management Tampa Bay Estuary Program TBRPC PC Planning Department PC Parks & Conservation Resources PC Economic Development State and Federal Agencies (e.g. FCT, Trust for Public Lands, etc.) Municipalities 	<ul style="list-style-type: none"> Tampa Bay Estuary Habitat Master Plan Local Comprehensive Plans Funding/ Funding Strategies
Action D5.1.2: Review local CIP and budget processes to consider if there is flexibility to take advantage of acquisition opportunities and partnerships presented by a post disaster environment (i.e., requires review of local CIP policies etc.).	2012	<ul style="list-style-type: none"> OMB Municipalities 	<ul style="list-style-type: none"> PC Parks & Conservation Resources TBRPC Municipalities PC DEI 	

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Action	Timeframe	Responsible Agency	Required Collaboration	Identify Resources Needed
Action D5.1.3: Devise a process (for implementation in the post disaster setting) to prioritize and implement pre-determined procedures for making sure that long term habitat recovery and enhancement priorities, as documented in existing plans – are considered in overall post disaster redevelopment planning.	Post Disaster + 30 days	<ul style="list-style-type: none"> PC Planning Department 	<ul style="list-style-type: none"> PC BDRS PC Parks & Conservation Resources PC Economic Development PC DEI Tampa Bay Estuary Program TBRPC 	

ISSUE D6: BUDGET LIMITATIONS: There is limited flexibility in local budgets and public policy priorities to respond to disasters, and to take advantage of the opportunities presented by disasters (land acquisition, etc.).

Strategy D6.1: Leverage funding opportunities by identifying necessary resiliency improvements and acquisitions in local capital improvements plans, comprehensive plans, the local mitigation strategy, etc.

Action	Timeframe	Responsible Agency	Required Collaboration	Identify Resources Needed
Action D6.1.1: Consider needed resiliency improvements and acquisitions in the annual CIP process.	2012, and annually thereafter	<ul style="list-style-type: none"> OMB 	<ul style="list-style-type: none"> PC Planning Department PC DEI PC Parks & Conservation Resources Municipalities 	<ul style="list-style-type: none"> Local Mitigation Strategy (LMS)
Action D6.1.2: Involve local environmental staffs in the review of LMS priorities.	Pre-disaster	<ul style="list-style-type: none"> PC Planning Department 	<ul style="list-style-type: none"> TBRPC PC Emergency Management Municipalities 	<ul style="list-style-type: none"> Inclusion of environmental staff on the LMS committee

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ISSUE D7: VULNERABILITY OF NATURAL RESOURCES: The County’s natural lands are often the first line of defense in a storm and are foundational to the County’s character and quality of life, a cornerstone of the local economy and critical contributors to regional biodiversity and the function of the larger ecosystem. Post storm, the entire environmental landscape could change overnight.

Strategy D7.1: Strengthen the protection of the County’s natural resources. Upland and coastal forests, preserves, habitats, shoreline, waterways, wetland and aquatic habitats will be vulnerable to extreme damage from wind, wind/water driven debris, and invasive exotics after a storm.

Action	Timeframe	Responsible Agency	Required Collaboration	Identify Resources Needed
Action D7.1.1: Continue to periodically review land development codes that preserve and protect natural resources.	2011 (pre-disaster)	<ul style="list-style-type: none"> PC Planning Department 	<ul style="list-style-type: none"> PC BDRS PC Parks & Conservation Resources Municipalities 	
Action D7.1.2: Develop a public education campaign regarding the value of landscaping and planting of wind resistant trees - and determine whether to address in development regulations or as incentives.	2011 and ongoing	<ul style="list-style-type: none"> PC Parks and Conservation Resources - Extension /IFAS 	<ul style="list-style-type: none"> PC BDRS PC Communications Environmental non-profit organizations FL Department of Agriculture – FL Forest Service 	<ul style="list-style-type: none"> UF/IFAS data and resources
Action D7.1.3: Identify wildfire hazards associated with impacts/changes to natural communities following a disaster.	D+ 6 months – 1 year	<ul style="list-style-type: none"> PC Parks & Conservation Resources – Preserves & Managed Lands (Wild Fire Team) 	<ul style="list-style-type: none"> FL Department of Agriculture – FL Forest Service 	<ul style="list-style-type: none"> County and Agency Resource/Land Management Plans
Action D7.1.4: Develop a baseline tree canopy inventory and re-forestation plan; determine long-term responsibility for maintenance of data.	underway (pre-disaster)	PC Parks & Conservation Resources – PC Extension	<ul style="list-style-type: none"> PC Planning Department ISA certified local arborist community PC DEI 	<ul style="list-style-type: none"> EcoAssets Inventory and Report

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Strategy D7.2: Prioritize recovery efforts for those areas that have the most ecological value so that limited resources can be directed towards the most viable habitats and communities first.

Action	Timeframe	Responsible Agency	Required Collaboration	Identify Resources Needed
<p>Action D7.2.1: Identify and map the critical/sensitive habitats in Pinellas County.</p>	<p>Ongoing/pre-disaster</p>	<ul style="list-style-type: none"> • PC Planning Department 	<ul style="list-style-type: none"> • PC DEI • PC Parks & Conservation Resources • St. Petersburg & Clearwater Audubon Societies • Tampa Bay Estuary Program, FDEP, SWFWMD • Municipalities 	
<p>Action D7.2.2: Complete the regional park and preserve management plans identified in the comprehensive plan, including assessment of critical species and habitats, and factoring in vulnerability assessment and disaster recovery plans.</p>	<p>Ongoing/pre-disaster</p>	<ul style="list-style-type: none"> • PC Parks & Conservation Resources 	<ul style="list-style-type: none"> • PC Planning Department • PC DEI 	
<p>Action D7.2.3: Include environmental protection interests in post-disaster redevelopment planning to ensure that environmental restoration is part of the planning and redevelopment process.</p>	<p>Post-disaster (D+30 days – D+5 years)</p>	<ul style="list-style-type: none"> • PC Planning Department 	<ul style="list-style-type: none"> • Tampa Bay Estuary Program (TBEP) • PC DEI • PC Parks & Conservation Resources • FDEP, SWFWMD • Municipalities • TBRPC – ABM 	<ul style="list-style-type: none"> • Staff resources

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<p>Action D7.2.4: Establish a workgroup of technical partners and stakeholders in the community to develop a Rapid Assessment Plan(s) (RAP) for post disaster deployment directed at damage assessment, exotics removal, monitoring requirements, and recovery of habitats and species.</p>	<p>Pre-disaster RAP plan (2012),</p>	<ul style="list-style-type: none"> • PC DEI 	<ul style="list-style-type: none"> • ISA certified local arborist community • NOAA • Environmental non-profit community • PC Parks & Conservation Resources • PC Emergency Management 	<ul style="list-style-type: none"> • NOAA Rapid Assessment Methodology for Oil Spills for reference
<p>Action D 7.2.5: After the disaster, using the post disaster assessment process, or RAPs, identify the most critical environmental restoration needs and priorities</p>	<p>Post-Disaster: D+15 days- D+5 years</p>	<p>TBD</p>	<ul style="list-style-type: none"> • FWC, FDEP, TBEP, ABM • Environmental non-profit organizations • PC DEI • PC Parks & Conservation Resources • PC Planning Department • ISA certified local arborist community 	<ul style="list-style-type: none"> • Staffing assistance • Funding assistance (State and Federal) • Environmental inventory data and plans (see Action 2.1.1)
<p>Action D7.2.6: Utilizing environmental data, the post-disaster assessments (RAPs) and plans, establish a long-term, more disaster-specific, plan for environmental restoration and seek appropriate funding to implement resource recovery and enhancement goals (e.g., wetland and beach restoration, removal of exotics, restoration of urban forests, etc.)</p>	<p>Post-disaster D+ 6 months – 5 years</p>	<ul style="list-style-type: none"> • PC DEI 	<ul style="list-style-type: none"> • PC Parks & Conservation Resources • PC Planning Department • PC Emergency Management • TBRPC • Tampa Bay Estuary Program • FDEP, SWFWMD • Municipalities 	

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ISSUE D8: POST-DISASTER SHORELINE DEFINITION: Policies or procedures need to define submerged lands, including who delineates the new shoreline after a disaster.

Strategy D8.1: Create policies and/or procedures regarding the treatment of altered submerged lands after a disaster.

Action	Timeframe	Responsible Agency	Required Collaboration	Identify Resources Needed
<p>Action D8.1.1: Work with Federal and State partners to give priority to defining the new shoreline (CCCL/CHHA) in the event of significant beach loss in order to facilitate permitting and expedite funding for beach recovery.</p>	<p>Post-disaster D+30 days – D+1 year</p>	<ul style="list-style-type: none"> • County Attorney 	<ul style="list-style-type: none"> • FDEP • PC Planning Department • PC DEI • PC DEI – Coastal Management & Hydrogeology Unit • PC BDRS 	<ul style="list-style-type: none"> • Funding for recovery
<p>Action D8.1.2: Research/Define, legally, the term “property boundary” as it relates to accretion and erosion post storm, and as it relates to what are existing property rights, grandfathering, associated with coastal properties.</p>	<p>Pre-disaster 2012 (in order to implement post-disaster)</p>	<ul style="list-style-type: none"> • County Attorney 	<ul style="list-style-type: none"> • Federal/State (FDEP) partners • PC Planning Department • PC DEI • PC DEI – Coastal Management & Hydrogeology Unit • PC BDRS 	