# RESTORE Act Ecosystem Restoration Project Proposals

**for consideration in the Gulf Coast Ecosystem Restoration Council's Comprehensive Plan 2012**

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| **Contact Information:** Cathy Olson, Senior Supervisor, Conservation 20/20 colson@leegov.com 239 533-7455 | **Date of Submittal:** November 1, 2012 |
| **Name of Project**: Telegraph Creek Drainage Repairs. | **Org and Rank**: C20/20: 8 |

**Project Description**: This project will help to restore the natural sheet flow from the 800-acre palmetto prairie and wet prairie/hydric flatwoods system into Telegraph Creek where ditches were installed by previous owners to help drain this portion of the preserve. Geowebbing and/or culverts will be installed along existing management trails that are eroding into the creek. The existing swale where the water formerly would have flowed to the creek will be graded and cleaned out. The washouts will be recontoured and plantings will be installed to reduce further soil erosion into the creek.

**Project Location**: Lee County, 1,727-acre Telegraph Creek Preserve. Latitude 26.74116, Longitude -81.68584

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| **Responsible Party**: Lee County (Conservation 20/20) | | **Partners**: |
| **NEP**: CHNEP | **Project Cost**: 500,000 | **Dollars Needed**: $400,000 |
| **Start**: January 2015 | | **Completion**: Two years thereafter |

**Status of Project Design and Permitting**: Restoration permits would need to be secured from the SFWMD and ACOE.

**What Date or Year could Construction Feasibly Begin:** January 2015

**Your Proposed Timing of Funding (given permits, phasing, staging, etc.)**

| FY | 12/13 | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | Total |
|---|---|---|---|---|---|---|---|
| | | | $100,000 | $250,000 | $50,000 | | |

**Quantify Environmental Results and How to Measure Them:**.

**Economic Benefits (including ecosystem services):** Water quality improvements would be expected by allowing water to slowly enter creek through vegetation and not wash in sediments from trails.

**Estimated number of Jobs Created or Preserved:** 5

**How much Habitat will be restored and conserved?:** 50 acres restored. Tons of sediments prevented from entering the creek.

**Quantify pollutant reductions:** Reduction of sediments

**What living coastal/marine resources will be improved and by how much?:** Fish and wildlife will benefit from fewer sediments being introduced into the creek through erosion. Macro invertebrates and fish will especially benefit. Listed species which rely on macro invertebrates and fish will benefit from a better prey base.

**How will community resilience be enhanced?** Sediments are being washed into the creek from fire lines within the dry and wet prairie and flatwoods.

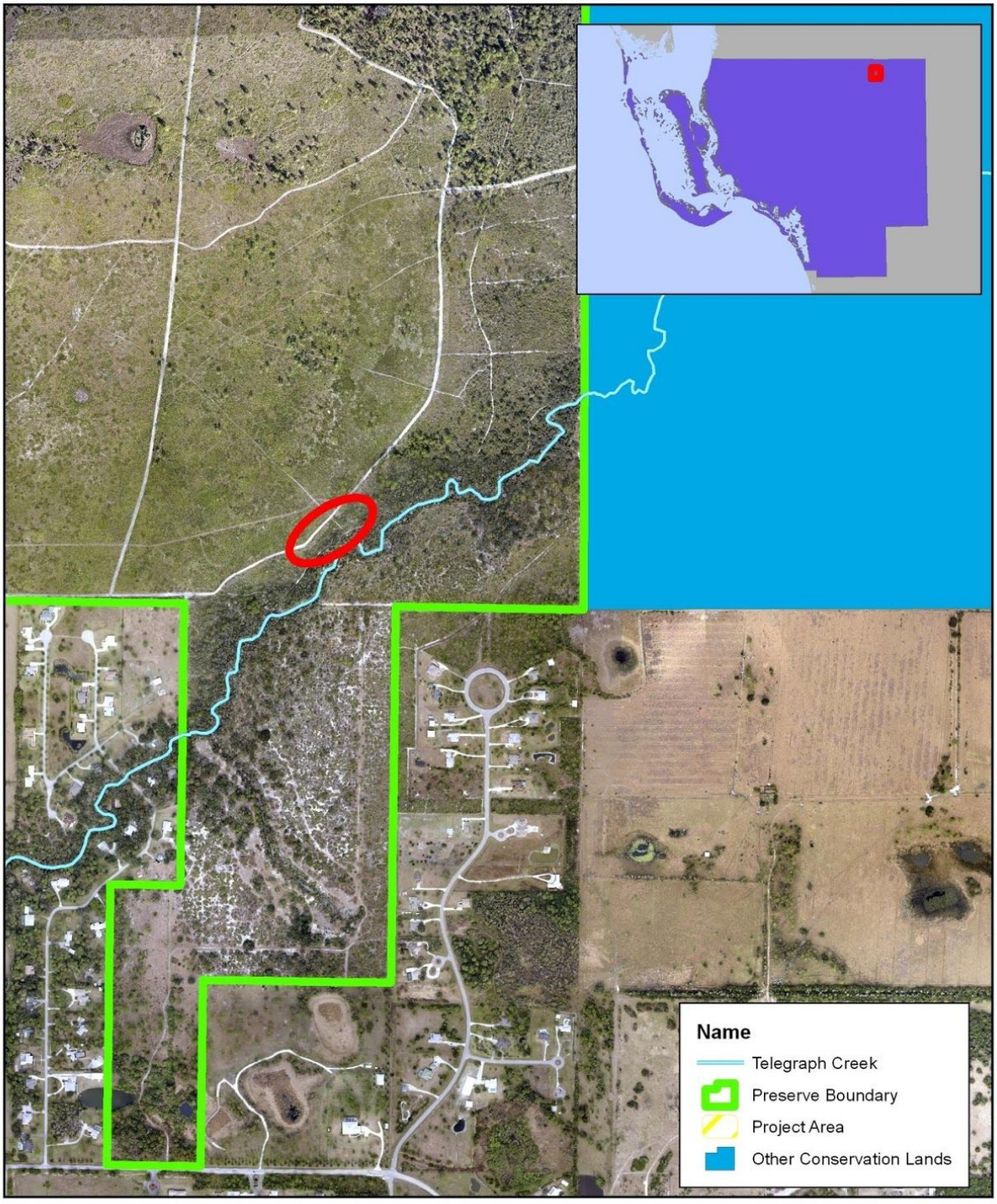
**Additional Justification**: Quite a diversity of listed species occur on the preserve.

**Add any photos or maps that explain project**:

Washout on firebreak:

Narrow channel water is all currently going down:

Final washout before entering creek:




# Telegraph Creek Preserve

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