



# The Caribbean Landscape Conservation Cooperative

Bridging science and action, land and sea

*UPDATE: CLCC LCD Actions for SECAS 2.2*



*The CLCC LCD framework links local on-the-ground implementation projects to a suite of regionally meaningful landscape-scale goals.*

**Main Goal:** *Improve efficiency and synergistic results of on-going partner investments and ensure that many of those investments contribute to our shared regional goals in a meaningful way.*

## Shared Regional Objectives

- Ecological Integrity
- Human Well-being and Public Satisfaction
- Cultural and Historical Resources

Draft objective hierarchies are presently under revision; only a select few have corresponding indicators.

## From the Rain Forested Ridges to the Reefs

CLCC Staff, Steering Committee and Stakeholders are working throughout the region to develop specific objectives. Our ridge-to-reef conceptual model emphasizes that all land-based conservation has marine consequences and greatly affects our social and economic well-being.

**Next Steps:** (1) Finalize objectives hierarchies; (2) Identify as many indicators as possible; (3) Develop baseline conditions, future regional targets, and a broad suite of strategies for identified indicators.

## CLCC Delivery Watersheds



### Puerto Rico

#### Primary Pilot Delivery Watershed

*Río Grande de Arecibo Watershed*

#### Secondary Pilot Delivery Watershed

*Río Herrera - Cabezas de San Juan Coastal Watersheds*

### United States Virgin Islands

#### St. Thomas/St. Croix Delivery Watershed(s)

*Currently being selected*

# CLCC Delivery Watersheds

*Targeted implementation in areas partners have agreed to invest in a coordinated way. The CLCC Delivery Watersheds enhance synergisms and increase conservation efficiency aimed at addressing our shared regional goals.*

*Two Puerto Rico HUC-12 watersheds selected in 2016.*

*Selected through a structured decision-making process that started with 15 Steering Committee-selected criteria.*

**Primary Pilot Delivery Watershed (Puerto Rico)**  
*Río Grande de Arecibo Watershed*

Selected due to importance for human water consumption, connection to our human well-being theme and secondarily to its importance in ecological connectivity and the Puerto Rican Parrot recovery.

- *The CLCC will largely be the lead in the LCD efforts for this watershed.*
- *FWS-FAC is planning stream connectivity restoration efforts to support conservation of native amphidromous species that are also culturally and economically important.*
- *Casa Pueblo, North Carolina State University and others are conducting LCD in an area that partially overlaps. Excellent opportunity to merge boundaries and designs.*



**Next Steps:** (Puerto Rico) Engage local stakeholders to apply objectives, create local baseline and target conditions (50, 25, 10, and 5-year targets) and design specific strategies. (U.S. Virgin Islands) Complete Delivery Watershed(s) selection.



**Secondary Pilot Delivery Watershed (Puerto Rico)**  
*Río Herrera - Cabezas de San Juan Coastal Watersheds*

Selected due to being a more urban and coastal oriented region where several CLCC partners are actively delivery conservation (NOAA, DNER, FS, PR Conservation Trust, Sierra Club).

- *The CLCC will take a secondary supporting role to identify and fill gaps.*
- *Gaps identified to-date include constructing or connecting trails and coordinated wetland research and conservation.*

**United States Virgin Islands Delivery Watershed(s)**  
*Selection underway. Designing the decision model and criteria for the structured decision-making process with the Steering Committee, using HUC-14 watershed units.*

- *Expected selection to be completed by summer.*
- *We presently have 10 selection criteria derived from partner conversations.*

**St. Thomas:** Emphasis is increasing ecological integrity to primarily support eco-tourism, community well-being and economic growth (through tourism and recreation).

**St. Croix:** Emphasis is preserving cultural and historical resources

## Scaling from Individual Watersheds to Regional Goals

Conservation is largely a local-based practice; Under the the landscape conservation paradigm, local efforts need to scale meaningfully to regional outcomes.

We are attempting to integrate bottom-up local conservation efforts within HUC-12 and 14 boundaries to concurrent top-down regional goal planning; In essence, the regional goals provide a context and connectivity among local efforts and can serve to prioritize specific local efforts above others.

Our current strategy is to develop realistic regional targets for our suite of indicators - based on best available science, data, and professional judgement. We will identify which of those indicators makes sense to address in any given delivery watershed and illustrate how the local effort contributes meaningfully and measurably to the shared regional goals.