

## CHNEP CCMP 2025 – New Activities

### WQ-5: Reduce harmful algal blooms

**Activity 5.2:** Support development of methods for early identification of HABs as well as best practices and technologies to reduce or mitigate their harmful environmental, social, and economic impacts.

**Location:** CHNEP area.

**Responsible parties:** FDEP, Florida Sea Grant, Mote Marine Laboratory, academic institutions, and industry.

**Timeframe:** Ongoing.

**Potential annual cost and funding sources:** \$1M–10M/grants, State of Florida.

**Benefits:** Reduced or mitigated harmful effects of HABS through early identification and development and deployment of best practices and technologies.

**5-year Performance measure:** Additional best practices and technologies developed and tested for early identification of blooms and reduction or mitigation of harmful effects.

### HR-3: Protect and restore natural flow regimes

**Activity 3.3:** Develop and support implementation of vulnerability assessment recommendations to protect water quality and hydrology. Participate in regional collaborations to address vulnerabilities identified in vulnerability assessments and increase resiliency.

**Location:** CHNEP area.

**Responsible parties:** CHNEP (implementation facilitator), FDEP, County and Municipal Governments, Regional Planning Councils, SWFWMD, SFWMD, USACE, FWC, USFWS, USDI (NPS and other USDI), USDA, FDOT, NGOs, FDACS, Private sector.

**Timeframe:** Ongoing.

**Potential annual cost and funding sources:** \$1M–10M/Section 319 Funds, USACE, FWC, USFWS, USDI (NPS and other USDI), USDA, FDOT, NGOs, County and Municipal Governments, SWFWMD, SFWMD, FDACS, Grants.

**Benefits:** Improved protection and resiliency of natural hydrology.

**5-year Performance measure:** Implementation of projects and measures to further implementation of vulnerability assessment recommendations to protect water quality and hydrology.

### FW-1.3: Protect, monitor, and restore estuarine habitats

**Activity 1.3:** Protect, monitor, and restore shoreline habitats, including mangroves and salt marshes, to establish status and trends as a biological indicator of ecosystem health and fisheries, and to track changes that are due to sea level rise and shoreline hardening.

**Location:** CHNEP area.

**Responsible parties:** FWC, FDEP, Colleges and Universities, Counties and Municipalities.

**Timeframe:** Initiate by 2026.

**Potential annual cost and funding sources:** \$100,000–\$250,000/CHNEP, Grants, FDEP, Counties and Municipalities.

**Benefits:** Improved habitat capacity and resiliency of mangrove and salt marsh habitat to support sustainable native populations of birds, fish, and other wildlife.

**5-year Performance measure:** Increased understanding of the status and trends of mangrove and salt marsh habitat to inform more holistic management of coastal ecosystem health and fisheries.

**FW-2: Protect, monitor, and restore environmentally sensitive lands and waterways including critical habitat areas**

**Activity 2.3:** Implement the Habitat Restoration Needs Plan in facilitating habitat restoration and migration in current and future scenarios.

**Location:** CHNEP area.

**Responsible parties:** County and Municipal Governments, Land Conservation NGOs, Landowners, FWC, USFWS, SWFWMD, SFWMD, FDACS, FDEP, USDA-NRCS.

**Timeframe:** Ongoing.

**Potential annual cost and funding sources:** \$1M–10M/County and Municipal Governments, FDEP, FWC, USFWS, SWFWMD, SFWMD, FDACS, USDA-NRCS.

**Benefits:** Improved natural habitats and resilience to current and future scenarios.

**5-year Performance measure:** Increased acres of restored aquatic, wetland, and upland habitat and habitat under maintenance phase management.

**PE-3: Strengthen non-profit partner collaboration in education and engagement programs**

**Activity 3.2:** Bring partners together, provide resources, and coordinate natural disaster and episodic events response and recovery efforts.

**Location:** CHNEP area.

**Responsible parties:** CHNEP, FDEP, County and Municipal Governments, SWFWMD, SFWMD, USGS, NOAA, FWC, FDEP, USFWS, NGOs, FDACS, Private sector.

**Timeframe:** Ongoing.

**Potential annual cost and funding sources:** \$50,000–75,000/CHNEP, 320 Funds, State of Florida.

**Benefits:** Improved knowledge of and response to water and habitat quality degradation associated with natural disasters and harmful episodic events.

**5-year Performance measure:** Increased implementation of episodic event environmental sampling by CHNEP member entities.