

## DEVELOPED, WITH INPUT FROM THE U.S. CORAL REEF TASK FORCE, BY:

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## Terminology and Abbreviations

<b>USCRTF priority watershed</b>	A watershed location under the U.S. Coral Reef Task Force's Watershed Partnership Initiative where federal and jurisdictional agencies target restoration, pollution control, and monitoring to improve coral reef condition.
<b>Other jurisdictional watershed</b>	A watershed location with ongoing restoration and pollution control activities, typically with participation of federal and local agencies and community groups. These watersheds are not coordinated by the U.S. Coral Reef Task Force's Watershed Partnership Initiative, but may benefit by sharing of plans, tools, lessons learned, and other knowledge and resources.
<b>USCRTF</b>	U.S. Coral Reef Task Force – The U.S. Coral Reef Task Force was established in 1998 by Presidential Executive Order 13089 to lead U.S. efforts to preserve and protect coral reef ecosystems. The USCRTF includes leaders of 12 Federal agencies, seven States, Territories, and Commonwealths, and three Freely Associated States. The USCRTF helps build partnerships, strategies, and support for on-the-ground action to conserve coral reefs.

## Introduction

This document is the overarching strategy for the U.S. Coral Reef Task Force (USCRTF) Watershed Partnership Initiative (Initiative), which began in 2009. Provided herein are the background for and a description of the Watershed Partnership Initiative, designated by USCRTF Resolution 28.1. This strategy also includes a description of the USCRTF Watershed Working Group, the group's goals, objectives, and actions. Additionally, this strategy provides guidelines for the implementation and graduation of USCRTF priority watersheds so that resources may be directed to launch new USCRTF priority watersheds. This approach is in keeping with the intent of the Watershed Partnership Initiative goals of building tools and opportunities that can be used in other watershed efforts across all jurisdictions. Also included in this document are the following: 1) guidelines for the selection of future USCRTF priority watersheds, including a high likelihood for success within a 10-year timeframe; 2) a strategy for building stronger capacity at USCRTF priority and other jurisdictional watersheds; 3) a description of how the overarching strategy will be evaluated; and 4) a timeline of related activities and efforts including their status or results.

This document is meant to be a living document, which will be updated and improved through experience, information gathered, and lessons learned.

**Current USCRTF Priority Watersheds** (as of September 23, 2016): Guánica Bay/Rio Loco in southwest Puerto Rico (2009), West Maui, Hawai'i (2010), and Faga'alu in American Samoa (2012).

## 1. USCRTF Watershed Partnership Initiative

**Resolution 28.1 (2012):** <http://www.coralreef.gov/meeting28/pdf/watershed281.pdf>

**Background:** The USCRTF created the Watershed Partnership Initiative in 2009 and codified it in Resolution 28.1 in 2012. The intent of the Initiative is to facilitate and enhance coordination, partnerships, and contributions of agency resources and expertise to implement geographically specific and integrated activities to reduce land-based sources of pollutant loads to coral reef ecosystems. The Initiative also promotes consistent and strengthened application and enforcement of laws and authorities intended to address land-based sources of pollution (LBSP) threatening the health of coral reefs. In addition to strengthening partnerships (through shared funding and technical capacity), this Initiative focuses on building tools and opportunities that can be used by other watershed efforts. The Initiative builds out this approach in three selected priority watersheds, with the intent for future application to other watershed locations with likelihood for success. The Watershed Partnership Initiative targets areas where watersheds are adjacent to or associated with coral reef ecosystems.

Individual federal, state, territory, commonwealth agencies, and non-governmental organizations contribute through direct application of resources, authorities, technical assistance, and/or program expertise. Support for work in these USCRTF priority watersheds has been provided mainly via competitive grants, technical assistance, and in-kind support from numerous sources including, but not limited to, the local jurisdictions in which the USCRTF priority watersheds exist, the National Oceanic and Atmospheric Administration's Coral Reef Conservation Program, National Fish and Wildlife Foundation, U.S. Geological Survey, U.S. Army Corps of Engineers, and U.S. Fish and Wildlife Service.

### Targeted Objectives:

- Develop and implement on-the-ground strategies and actions that improve the health and resilience of coral reef resources and their watersheds;
- Maximize effectiveness of resource management by promoting multi-agency partnerships and contributions in each USCRTF priority watershed partnership;
- Develop and implement clear, targeted, multi-year ecological, programmatic, and community goals, objectives, and activities specific to each site, that results in measurable positive increases in coral reef ecologic metrics and have federal agency, local jurisdiction, and community support;
- Develop strategies to facilitate appropriate blending of traditional knowledge and science-based approaches for effective watershed management;
- Empower and increase the capacity of the local governments and communities to engage in watershed management practices that are protective of coral reefs for the long term;

- Use priority sites as test sites for building tools and a template for watershed success (e.g., empower communities to take on watershed management through partnerships) that can be shared and implemented in other watersheds and jurisdictions;
- Increase the likelihood of long term watershed success via assistance in codifying local government and community leadership and involvement;
- Focus on being strategic and effective in helping USCRTF priority watersheds work towards success in a reasonable timeframe; and
- Implement actions to support the graduation of USCRTF priority watersheds to allow selection of new USCRTF priority watersheds.

## 2. USCRTF Watershed Working Group

The working group consists of staff from member agencies and jurisdictions, NFWF, and USCRTF priority and jurisdictional watershed coordinators. The working group meets monthly to implement Resolution 28.1, support watershed efforts and federal partnerships, and develop metrics to measure success of LBSP reduction projects in the priority watersheds. Participation, development, and implementation of goals and actions are based upon the availability of appropriated funds, priorities, and policy guidance set forth by the President of the United States, the USCRTF, and member agencies and jurisdictions.

### Goals:

- Support priority watershed projects and federal-local partnerships;
- Facilitate exchange of information and lessons learned among priority and other jurisdictional watersheds;
- Develop tools for measuring success of priority watersheds and track progress;
- Develop long term strategy for the future of the Watershed Partnership Initiative;
- Leverage resources (funding and other assistance) of federal and local agencies to have maximum impact; and
- Collaborate and coordinate across agencies and jurisdictions on existing coral reef monitoring and management programs.

### Actions by USCRTF Watershed Working Group:

- Meet monthly with USCRTF priority and jurisdictional watershed coordinators to facilitate partnerships;
- Provide learning and outreach opportunities for USCRTF priority and other jurisdictional watershed coordinators at USCRTF meetings;
- Organize a watershed learning workshop at jurisdictional USCRTF meetings targeted to local needs;
- Develop programmatic (2014), social-cultural (pending), and ecological metrics (2016) to measure success of LBSP reduction projects in the priority watersheds;
- Work with watershed coordinators to track progress toward metrics;
- Host webinars as learning experience for watershed coordinators/stakeholders in jurisdictions;
- Facilitate contributions of lessons learned from priority watershed coordinators; and
- Facilitate technical reviews of watershed plans by those with relevant experience.

## 3. Strategy for Implementing, Graduating, Discontinuing, and Initiating New USCRTF Priority Watersheds

The Initiative aims to build a framework to enhance coordination, partnerships, and access to agency technical resources and expertise in selected priority watersheds. The framework would then be applied to other watershed locations where successful application is likely to achieve the target objectives of the Initiative. Below is an outlined strategy for S-M-A-R-T (Specific, Measurable, Achievable, Realistic, Time-bound) implementation, graduation, and a sustainable future of USCRTF priority watersheds, including a “sunset clause,” and criteria for selecting new priority watersheds.

This section is mainly intended for application to future USCRTF priority watersheds. However, the current USCRTF priority watersheds (Guánica Bay/Rio Loco, West Maui, and Faga’alu) should complete the components of this strategy, although the timeframe for each element may differ from that laid out below.

- A. **USCRTF Priority Watersheds Implementation:** Every USCRTF priority watershed should have an Implementation Plan developed with partners and in place within the first few years of the watershed being identified as a USCRTF Priority Watershed. This plan should be updated at least every 2 years, or as needed, and may be a separate plan or part of the Watershed Management Plan, which is defined within the [USCRTF “Watershed Partnership Initiative - Programmatic Checklist”](#) as including, at a minimum, the nine elements listed in the U.S. EPA's "Handbook for Developing Watershed Plans to Restore and Protect Our Waters." This concise and functional management plan is meant to be a living document that will be adapted and updated as needed, based on factors such as funding available and monitoring results. The USCRTF may provide guidance and assistance to watershed coordinators, as needed, on their Implementation Plan, if requested.

Each Implementation Plan should outline, in detail, the critical steps (including entities and resources) involved in achieving the goals and objectives of their Watershed Management Plan/effort. The plan should specify the roles and responsibilities of USCRTF member agencies and partners. It should also provide metrics for measuring progress towards goals and adaptive management or similar process to evaluate, learn from, and potentially modify the implementation approach. Implementation plans will be led by the jurisdictions and the watershed coordinator, and developed in partnership with local watershed scientists/experts, key agencies, organizations, communities, and stakeholders, with guidance provided by the USCRTF. The Implementation Plan must include details for the timeframe that the watershed is a USCRTF priority watershed (up to 10 years) and this information (e.g., metrics) used to assess the watershed’s progress towards graduation.

- B. **USCRTF Priority Watershed Evaluation and Reporting:** In order for accurate evaluation to be conducted, baselines for pertinent ecosystem indicators should be collected as early as possible with a minimum of one stressor-based metric (e.g., sedimentation rates) and one biological metric (e.g., % live coral cover) adequately characterized before implementation of interventions to reduce land-based sources of pollution (LBSP) stressors begins. Ecosystem

indicators must include: 1) Process indicators for water quality and/or sediment quantity/rates to show intermediate results of the interventions implemented; and 2) Outcome indicators to show change in the coral ecosystem (see [“USCRTF Watershed Partnership Initiative Priority Ecosystem Indicators”](#) document). Minimum evaluative components are listed below:

- a. Complete/Update the **Programmatic Checklist** once every 2 years; and
  - b. **Data collection and analysis** for the process and outcome ecosystem indicators should be compiled and assessed, consistent with the Watershed Management Plan, and at a minimum of every 5 years. Ecosystem process indicators will likely require 3-5 years to show improving trends.
  - c. **Reporting:** The progress towards the metrics should be reported out annually to the USCRTF by the jurisdictions, along with key USCRTF members supporting the watershed, so that issues in meeting the 10 year target are identified early. Early reporting of issues will allow the USCRTF and its member agencies to identify opportunities to assist in the watershed meeting a successful timeline.
- C. **Sustainability of Work and Funding:** Every USCRTF priority watershed should have a **Sustainability Plan** developed within 5 years of the “USCRTF priority watershed” designation and implemented within 10 years of that designation. Applicable components of this plan should be included in the Watershed Management and/or Implementation Plans. This concise and functional sustainability plan is meant to be a living document that will be adapted and updated as needed. The USCRTF Watershed Working Group will provide guidance on and examples of the Sustainability Plan to jurisdictions and watershed coordinators. Components of a Sustainability Plan are listed below.
- a. **Mechanism(s) for sustainable funding and finance** for the continuation of the watershed coordinator position and projects/activities. The general amount of funding needed for described types of work, including funding source and ownership of products, should be included.
  - b. **Institutionalization of the watershed coordinator**, including non-governmental organization, university, or local government support, and private or public funding sources.
  - c. **Institutionalization of ongoing regular monitoring of ecological indicators** with local natural resource and water quality agencies or local college/university.
  - d. **Codification of local government and community leadership and involvement**
    - i. **Water quality actions** (e.g. stormwater management, rain barrels, ponding basin, bio sacks, irrigation, inspection of construction sites, rules for new development, enforcement of existing rules on fisheries). These should have a monitoring strategy and be linked to performance measures tied to coral reef health.
    - ii. **Resource-related actions** (e.g., MPA’s, community based fishery management, conservation easements on land, buffer zones around streams/shorelines, beach and stream cleanups).
- OR
- e. In the case where a watershed is “completed” before or by the 10 year mark, a description and justification of why coordination of future watershed actions and

funding are no longer needed in the foreseeable future should be written and submitted to the USCRTF.

- i. For example, a watershed with one point source issue may not require coordination of further action if that point source is appropriately addressed, is not likely to return, and evaluation of that action is complete.

D. **Graduation:** A USCRTF priority watershed is considered “graduated” from the program when:

- a. A **Watershed Management Plan** is fully implemented (implementation suitable for graduation will be determined by the Task Force with information provided by the watershed coordinator and key partners) and monitoring phase is underway;
- b. An **Implementation Plan** (separate or part of the Watershed Management Plan) is underway and metrics for success are met within the 10 year timeframe of being a USCRTF priority watershed;
- c. The **Programmatic Checklist** is fulfilled or there is a plan for it to be fulfilled that does not require the USCRTF priority watershed status; and
- d. A **Sustainability Plan** has been developed and implemented resulting in:
  - i. Watershed management and monitoring that have become locally institutionalized (i.e., incorporated into local agency operations) and sustained;
  - ii. Sustainable source(s) of funding has been secured for the watershed coordinator or the watershed coordinator has become locally institutionalized;
  - iii. Sustainable financing mechanisms have been put in place; and
  - iv. Long term success is likely because local government and community leadership and involvement have been codified.

E. **Sunset clause for future USCRTF Priority Watersheds:** The sunset clause applies to new (designated after the finalization of this document) USCRTF priority watersheds only. Those new sites will have been selected with the updated criteria listed below (see Section G). Existing USCRTF priority watersheds will build Sustainability Plans, which will be used to help determine when the USCRTF will move on to identifying other/new priority watershed sites. The objective for all USCRTF priority watersheds is to reach a measurable level of successful performance towards positive ecological change within 10 years that allows the watershed management to move forward under jurisdictional support and allows the USCRTF and its members to focus on a new USCRTF priority watershed.

- a. Jurisdictions and key federal partners shall report out annually on the progress of the watershed in relation to the watershed specific metrics, identifying any key issues that may be impacting implementation and success. *See Section B. USCRTF Priority Watershed Evaluation and Reporting for more information.*
- b. If at any time within the 10 year period jurisdictions and key federal partners identify an issue(s) that may warrant extension of the 10 year target, a special request must be submitted for approval by USCRTF members that clearly identifies a strong need to extend the status. This request must be accompanied by proposed plan for the watershed to reach graduation and include a timeline of actions and ecological changes until the watershed’s graduation.

- c. At the 10 year mark, the USCRTF will graduate the USCRTF priority watershed based on its performance towards positive ecological change. Ten years was selected as a reasonable time frame for planning purposes towards showing measurable positive ecological change, unless an extension has been granted.
- F. **Discontinuation:** A priority watershed may be discontinued at any point within the 10 year period if:
  - a. Progress toward success as measured by programmatic, social, and ecological metrics is insufficient and unable to be corrected through actions of the jurisdiction and USCRTF members; or
  - b. A catastrophic natural or anthropogenic event or political and/or policy change renders timely success unachievable.
- G. **Criteria for selecting new USCRTF priority watersheds:** Addition of a new USCRTF priority watershed may be considered when a current USCRTF priority watershed is scaled back or graduated. New priority sites should be considered, particularly in jurisdictions without a previous USCRTF priority watershed, and vetted by local, academic, and federal experts (e.g., watershed and coral experts, hydrologists). In general, any site selected as a new or proposed USCRTF priority watershed should have a high likelihood for success within a 10-year timeframe. Selection as a USCRTF priority watershed should include, but not be limited to the following:
  - a. Size of the watershed site should be conducive to demonstrating measurable, positive, ecological change within 10 years;
  - b. Adjacent coastal areas/coral reefs should have favorable oceanographic conditions to facilitate recovery;
  - c. Watershed impacts should be capable of being addressed by management actions/interventions within the capacity and authority of USCRTF agencies and jurisdictions;
  - d. Documentation of the watershed's status relative to USCRTF watershed metrics and evaluation questions;
  - e. Full time, multi-year watershed coordinator in place;
  - f. Watershed Management Plan that identifies a specific controllable threat(s) and proposes explicit accomplishments within 5-8 years and will have measurable positive ecological change within 10 years;
  - g. Baseline data on ecosystem indicators, including process and outcome indicators (e.g., water quality, coral condition). See section B. *USCRTF Priority Watershed Evaluation*;
  - h. Local government capacity to support and participation;
  - i. Commitment of 2 or more federal agencies for support in watershed activities;
  - j. Centralized way to receive and manage money; and
  - k. Community-based support and participation.

In the event that no watersheds meet all the criteria identified, the panel vetting the proposed watershed will provide conditional recommendations to the USCRTF on the best candidates with

identified support from USCRTF members or partner organizations to meet the shortfall (e.g., funding to support a watershed coordinator, technical assistance to finalize the watershed management plan).

## 4. Strategy for Building Stronger Capacity at USCRTF Priority and Other Jurisdictional Watersheds

- Organize and host workshops associated with jurisdictional meetings to (1) address local issues and (2) showcase jurisdictional watershed efforts where federal agencies can contribute;
- Provide templates (e.g. watershed metrics, watershed plans) via website;
- Link federal funding opportunities with USCRTF watershed metrics;
- Provide funding support for watershed coordinator participation in USCRTF meetings for reporting;
- Host learning webinars targeted for local watershed coordinators/stakeholders;
- Provide opportunities for other jurisdictional watersheds to showcase their accomplishments and market their needs to USCRTF;
- Share activities and lessons learned between priority watershed coordinators and other jurisdictional watershed coordinators; and
- Designate a workgroup chair, to provide workgroup leadership and increase our capacity to work with the other jurisdictional watersheds.

## 5. Strategy Evaluation

The Watershed Partnership Initiative Strategy shall be revisited at minimum every 5 years and updated, as appropriate. Future Strategy reviews shall include evaluation of progress within the priority watersheds and consideration for future funding or disinvestment.

## 6. Timeline

Time-frame	Activity	Status / Results
2013	Watershed Workshop at the fall 30th USCRTF Meeting in St. Croix, USVI	Completed
2014	Complete Programmatic metrics and begin Ecological Indicators	Completed
	Storm Water Training at the fall 32nd USCRTF Meeting in Maui, HI	Completed
	Team calls to develop draft Watershed Partnership Initiative Strategy (Strategy) in response to AIC request to USCRTF	Completed
Feb. 2015 - 33rd USCRTF Meeting in DC	Present Draft Watershed Partnership Initiative Strategy to Steering Committee	Completed
Between meetings: Feb 15-Oct 15	Finalize Watershed Partnership Initiative Strategy	Completed
	Present Ecological Indicators to Watershed Working Group	Completed



# U.S. CORAL REEF TASK FORCE WATERSHED PARTNERSHIP INITIATIVE STRATEGY

FINAL DRAFT | 19 AUGUST 2016

Time-frame	Activity	Status / Results
	Plan Watershed Workshop in PR	Completed
	Provide input to Accomplishments Report and Draft USCRTF Strategy	Completed
	Compile contact list for jurisdictional watershed projects	Not yet started
Fall 2015 - 34th USCRTF Meeting in Puerto Rico	Hold Watershed Workshop and Poster Session	Completed
	Present final Watershed Partnership Initiative Strategy to USCRTF for approval	Approved with exception for further discussions re: watershed graduation and sunset (AIC)
	Present draft Ecological Indicators	Completed
	Final FY11-14 USCRTF Accomplishments Report - including Watershed Partnership Initiative accomplishments	--
Between Meetings: Oct.15-Feb 16	Compile lessons learned to date and organize relevant topics for Watershed learning webinars	In progress
	Finalize Ecological Indicators Metrics	Completed
Feb. 2016 - 35th USCRTF meeting in DC	Final Ecological Indicators Report presented to USCRTF for approval	Approved and accepted
	Final Programmatic Checklist presented to USCRTF for approval	Approved and accepted
Between Meetings: Feb 16-Sept 16	Initiate work on socio-economic metrics, including new Metrics Subcommittee members who are experts in this area	Completed; New Metrics Subcommittee members added
	Watershed Learning Webinars started	Completed
	External announcement of Programmatic Checklist and Ecological Indicator tools via e-comms and social media	Completed; Led by NOAA CRCP; posted by multiple partners
	Plan Watershed Workshop for fall USCRTF Meeting	Completed; Planning group was formed to move this forward
	Draft language on USCRTF priority watershed implementation and graduation within the existing strategy (per AIC request)	Completed; Team was formed to move this forward; language drafted; draft reviewed by Watershed Working Group & Steering Committee
Sept 2016 - 36th USCRTF Meeting in the Marianas	Hold jurisdictional Watershed Workshop	9/20/2016, 8:00am - 12:00pm
	Report on ecological indicators and lessons learned	To be determined
	Updated Watershed Partnership Initiative Strategy (with graduation/sunset language) to USCRTF members for final approval	9/22/2016
Feb-17	Assess progress on ecological indicators	To be determined

# U.S. CORAL REEF TASK FORCE WATERSHED PARTNERSHIP INITIATIVE STRATEGY

FINAL DRAFT | 19 AUGUST 2016

Time-frame	Activity	Status / Results
Between Meetings: Fall 16-Fall 17	Conduct progress review of priority watersheds and evaluate merits of future funding or disinvestment.	To be determined