

Local Action Strategy Update

Presentation to the
U.S. Coral Reef Task Force

Washington, DC May 4, 2006

Local Action Strategies

- 3-year, local level “work plans” outlining goals, objectives and specific projects to address key threats to coral reef ecosystems.
- Strategic - new work, plus implement parts of existing plans (e.g., non-point pollution)
- Tool for increasing support and effectiveness on-the-ground action to sustain reef resources.
- Collaborative - developed jointly by state, territory, federal, and non-gov't partners.



LAS: Where are we now?

| | AS | CNMI | GU | HI | FL | USVI | PR |
|--------------------------------|----|------|----|----|----|------|----|
| Land Pollution | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Fishing | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Recreation Overuse | | ◆ | ◆ | ◆ | * | ◆ | ◆ |
| Lack of Awareness | * | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Disease, Bleaching and Climate | ◆ | | ◇ | ◇ | | | |
| Other | ◆ | | | ◆ | ◆ | | |

◆ Complete and Being implemented

◇ Being developed

* Included in other LAS



736 Total LAS Projects

| | AS | CNMI | GU | HI | FL | USVI | PR |
|--------------------------------|------------|-----------|-----------|------------|------------|-----------|------------|
| Land Pollution | 23 | 6 | 21 | 47 | 32 | 7 | 35 |
| Fishing | 35 | 11 | 33 | 42 | 43 | 25 | 29 |
| Awareness | * | 13 | 18 | 16 | 37 | 10 | 30 |
| Recreation | | 3 | 18 | 18 | * | 3 | 15 |
| Disease, Bleaching and Climate | 17 | | 8 | 21 | | | |
| Other | 27 | 10 | | 79 | 26 | | |
| Total | 102 | 43 | 98 | 223 | 140 | 45 | 109 |

* Included in other LAS

468 projects currently have funding for implementation



| | AS | CNMI | GU | HI | FL | USVI | PR |
|--------------------------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|
| Land Pollution | 20 | 6 | 20 | 38 | 16 | 7 | 22 |
| Fishing | 25 | 6 | 20 | 29 | 15 | 11 | 19 |
| Awareness | * | 11 | 18 | 15 | 27 | 10 | 17 |
| Recreation | | 1 | 9 | 5 | * | 2 | 11 |
| Disease, Bleaching and Climate | 11 | | 6 | 0 | | | |
| Other | 27 | 9 | | 23 | 12 | | |
| Total | 83 | 33 | 73 | 110 | 70 | 30 | 69 |

* Included in other LAS

241 projects still need funding for implementation



| | AS | CNMI | GU | HI | FL | USVI | PR |
|--------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Land Pollution | 3 | 2 | 9 | 19 | 15 | 0 | 9 |
| Fishing | 7 | 5 | 15 | 11 | 9 | 24 | 13 |
| Awareness | * | 10 | 0 | 0 | 12 | 3 | 14 |
| Recreation | | 2 | 9 | 0 | * | 1 | 4 |
| Disease, Bleaching and Climate | 5 | | 3 | | | | |
| Other | 1 | 7 | | 18 | 10 | | |
| Total | 16 | 26 | 36 | 48 | 46 | 28 | 40 |

* Included in other LAS

Costs and Commitments:

| | Total Cost | Project Numbers |
|--|---------------------------------|------------------------|
| Project Totals | \$61.5* million | 736 |
| Implementation Commitments to Date | \$24.8 million (40%) | 468 (64%) |
| Additional Implementation Funds Needed | \$36.7 million (60%) | 241 (33%) |

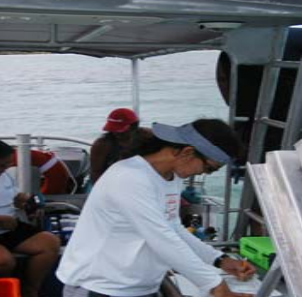
* Does not include projects for which costs have not been assigned.

* Includes >\$20 million in capitol improvement and long term water quality monitoring projects

U.S. Coral Reef Local Action Strategy Initiative

Funding breakdown by Threat Area

| | Total Cost | Funding Received | Funding Needed |
|--------------------------------|----------------------|-------------------------|-----------------------|
| Fishing | \$12,227,122 | \$6,812,626 | \$5,414,496 |
| Land-based Pollution | \$32,326,630 | \$10,417,370 | \$21,909,260 |
| Recreational Use | \$2,311,500 | \$1,558,000 | \$753,500 |
| Awareness | \$3,037,191 | \$2,159,060 | \$878,131 |
| Disease, Bleaching and Climate | \$5,243,480 | \$227,743 | \$5,015,746 |
| Other | \$6,323,333 | \$3,617,055 | \$2,706,278 |
| TOTAL | \$61,469,255* | \$24,791,845 | \$36,677,410 |



Implementation Support Still Needed

| | Pacific | Atlantic/ Caribbean |
|-------------------|----------------------|------------------------|
| Land pollution | \$12,640,461 | \$9,268,799 |
| Fishing | \$2,935,210 | \$2,479,286 |
| Awareness | \$177,730 | \$700,381 |
| Recreation | \$453,500 | \$300,000 |
| Disease & Climate | \$5,015,746 | N/A |
| Other | \$2,246,278 | \$460,000 |
| Total | \$23,468,944* | \$13,208,466* |

- Does not include projects for which costs have not been determined

- * Includes >\$18.5 million in capitol improvement and long term water quality monitoring projects



Where has current funding come from?

- Federal Agencies
NOAA, DOI, EPA, USDA, DOJ, U.S. Forest Service, USGS
- State/Territory and County agencies
- Universities and Research Institutes
- Non-Governmental Organizations
- Private Corporations
- Foundations



What do all of these numbers mean?

- We're off to a great start
- A lot of work is left to be done
- The extent to which Jurisdictions have completed their LAS varies greatly
- A lot more support is needed (funding, and other resources)
- Beyond completion of LAS projects, long term implementation funding is needed for some projects



The Road to Success...how have we done so far?

- **Identify more funding opportunities at the Federal and State/Territory level to implement LAS projects**



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- **Develop Partnerships to develop and implement LAS projects including participation of Federal agencies**



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- **Increase Outreach and Public Awareness**



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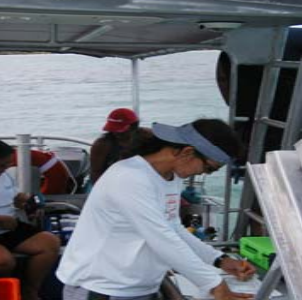
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- **Develop Partnerships to develop and implement LAS projects including participation of Federal agencies**
- **Address local capacity and infrastructure needs**
- **Increase Outreach and Public Awareness**
- **Improved tracking of LAS accomplishments and Funding**



LAS Accomplishments

Increased Understanding of Coral Reef Ecosystems

- Benthic habitat maps
- Refined coral reef monitoring systems
- Bio-indicators
- Better understanding of sediment loadings



LAS Accomplishments

Improved Coral Reef Management Activities

- Virgin Islands - Rules and Regulations for the East End Marine Park
- Guam – Marine preserves Eco-permit system
- Hawaii – Removal of Invasive Aquatic species
- Florida – Inter-agency vessel grounding procedures
- Puerto Rico – Mooring Buoys
- CNMI – Storm water management plan to address LBSP



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