

HAWAI'I OCEAN RESOURCES MANAGEMENT PLAN
April 2008 Report to the Policy Group



Submitted by the ORMP Working Group
April 9th, 2008

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I. Introduction

The Hawai‘i Ocean Resources Management Plan (ORMP) is a statewide plan mandated by Chapter 205A of the Hawai‘i Revised Statutes (HRS). The plan is an integrated, place-based approach to management of ocean resources in the islands. This approach builds upon recognition of the ecological connections between land and sea, of the links between human activities and environment, and of the need for improved collaboration and stewardship in natural resources governance. A new vision for Hawaii’s ocean resources has been framed by a set of concrete management goals and strategic actions to be addressed through a logical progression of five-year implementation phases that will guide State agency work over the next 30 years. In order to implement and further develop the ORMP, the Office of Planning Coastal Zone Management (CZM) Program has established a Policy Group and a Working Group made up of state and county agencies, our federal partners, academia, and community groups. The Policy Group had its first meeting in July of 2007 and directed the Working Group to carry out specific tasks in order to progress through ORMP implementation. This is a status report on the ORMP Working Group’s progress so far, and recommended implementation activities for the time period of 2007 - 2009.

II. Background

The Hawai‘i Ocean Resources Management Plan (ORMP), published in 1991, was developed by a multi-agency, cabinet-level council that included private sector and non-governmental representatives. The ORMP set forth guiding principles and recommendations for the State of Hawai‘i to implement in order to achieve comprehensive and integrated ocean and coastal resources management. In addition to overall recommendations for a new governance structure and a comprehensive management system, the Plan included a series of specific policies and implementing actions for ten resource sectors. The Legislature adopted the ORMP in 1994 and enacted legislation in 1995 to incorporate the plan into the CZM Program. A review of the ORMP was conducted in 1998, revealing a need for a revised ORMP to address declining funds and personnel, changing priorities, and new concerns relating to ocean resources management. Section 205A-62, HRS, charges the Office of Planning (OP) with the review and periodic update of the ORMP as well as coordination of overall implementation of the plan. On December 28, 2006, an updated ORMP was submitted to the 24th Regular Session of the Hawai‘i State Legislature in fulfillment of Senate Concurrent Resolution No. 137, H.D. 1, Regular Session of 2005, and Section 205A-62, HRS.

The Revised ORMP: A Three-Perspective Framework

Updating the ORMP involved extensive outreach and input-gathering with participation of various stakeholder groups, government agencies, and the public over a period of eighteen months. The culmination was the 2006 ORMP. The updated plan is an integrated, place-based approach to management of ocean resources, based on land and sea links, the role of human activities, and improved collaboration in governance. Each of the framing perspectives are accompanied by concrete management goals and strategic actions to address them in five-year implementation phases over the next 30 years.

Perspective 1: Connecting Land and Sea

Careful and appropriate use of the land is required to maintain the diverse array of ecological, social, cultural, and economic benefits we derive from the sea.

Strategic actions recommended under Perspective 1 include reducing soil erosion and pollutant loads, developing beach management plans, and protecting priority coastal areas and communities from coastal hazards.

Perspective 2: Preserving Our Ocean Heritage

A vibrant and healthy ocean environment is the foundation for the quality of life valued in Hawai'i and the well-being of its people, now and for generations to come.

Management goals emphasize the improvement of coastal water quality, strengthening marine protected area management, enhancing community capacity to restore and operate Hawaiian fishponds, and promoting sustainable ocean-based tourism.

Perspective 3: Promoting Collaboration and Stewardship

Working together and sharing knowledge, experience, and resources will improve and sustain our efforts to care for the land and sea.

This perspective highlights the need for community participation in cultural and natural resources management and the exploration of place-based approaches, including Native Hawaiian principles of land division such as ahupua'a.

III. Implementation

Charged with coordinating the implementation of the ORMP, the CZM Program established an ORMP Policy Group and an ORMP Working Group in the summer of 2007. The Policy Group consists of the directors of the affected state agencies and counties. The Working Group consists of managers and staff of the same groups. The University of Hawai'i, the U.S. Coast Guard, the Marine and Coastal Zone Advocacy Council (MACZAC), and the Association of Hawaiian Civic Clubs are also represented.

The following agencies and groups are represented and participating on the ORMP Policy and Working Groups:

- Association of Hawaiian Civic Clubs;
- Board of Water Supply, City and County of Honolulu;
- County Planning Departments: Hawai'i, Kauai and Maui;
- Department of Agriculture, Aquaculture Development Program;
- Department of Defense, State Civil Defense;
- Department of Health;
- Department of Land and Natural Resources;
- Department of Transportation, Harbors Division;
- Marine and Coastal Zone Advocacy Council;
- NOAA Office of Ocean and Coastal Resource Management;

- Office of Hawaiian Affairs;
- Office of Planning;
- University of Hawai‘i, School of Ocean and Earth Science and Technology; and
- U.S. Coast Guard.

Policy Group

The Policy Group supports agency implementation by dedicating their staff to the Working Group, which meets on a regular basis and conducts most of the on-the-ground implementation activities. The first ORMP Policy Group meeting was held in July 2007. The Policy Group developed a schedule and agreed on a list of work tasks for the Working Group to conduct during the first six months of ORMP implementation. The Working Group’s initial assignments to be completed by March of 2008 were as follows:

1. Identification of priority ORMP management goals/strategic actions for each agency over the next 2 years;
2. Agency work plans specifying how each priority management goal/strategic action would be implemented; and
3. Selection of annual results indicators for each of the identified priority management goals/strategic actions.

Since departments and agencies had already begun developing their 2008 legislative proposals, the Policy Group made a commitment to develop proposals relating to the ORMP for the 2009 session. The members also agreed to share their 2008 legislative and budget proposals that relate to the ORMP prior to the session. The group also discussed the option of making recommendations to influence federal legislation, but the members agreed that the Policy Group would focus on statewide issues at present.

Working Group

The members of the Working Group are tasked with coordinating their respective agency’s implementation efforts. The Working Group first convened in August 2007 and has since met monthly. Members have been working on the three tasks assigned by the Policy Group. To date, Working Group members have selected their priorities, and they have developed 2-year work plans (July 2007 - June 2009) to describe how their respective agencies will implement the ORMP. The work plans include information on the tasks that will be undertaken, partners involved, timeframes and anticipated completion dates, results indicators, budgets, and additional needs. Items in the ORMP that are currently being addressed or have been completed as part of agency programs are also included. In order to address multi-agency management goals/strategic actions in the ORMP, agencies were encouraged to work together to develop collaborative work plans. Over the course of the last six months, the Working Group decided that they could improve collaboration once the extent of their roles within specific management goals and strategic actions was illuminated in completed agency work plans. Therefore, collaborative projects to implement the ORMP will be a main focus of the Working Group after final agency work plans are approved by the Policy Group. In order to streamline this process, members have already presented some of the major projects and challenges within their own agencies to the rest of the group. Initial needs identified by members include improved enforcement, more data,

increased capacity, institutional arrangements, and support from the Policy Group to advocate for these types of needs.

CZM Funding Awards to Implement the ORMP

The primary objective of the CZM Program is to coordinate the implementation of the ORMP by promoting collaborative governance and stewardship. To this end, the CZM Program received federal approval to use discretionary CZM funds to support coordinated implementation activities that implement the ORMP. CZM issued a solicitation requesting proposals for partnership projects between government (state or county) and the community with the primary objective of implementing the management goals and strategic actions of the ORMP. Successful applicants met the following criteria:

- Demonstrated collaboration among local state and county government agencies and community entities to cooperatively implement the ORMP;
- Identified how the project would implement one or more specific management goals and strategic actions in the ORMP, how it would be done, a timeline of project activities and deliverables, and a detailed narrative budget justification; and
- Provided non-federal matching funds or services-in-kind on a one-to-one matching basis.

The following projects to implement the ORMP in FY078 were selected by CZM:

Project Name:	Baseline Monitoring at High-yield Watershed Units C and D
Lead Partners:	DLNR Division of Forestry & Wildlife, Kohala Watershed Partnership
Description:	To prevent the degradation of streams and coastal waters from sediment loads carried from disturbed upland forest habitats, best management practices will be followed by fencing Watershed Units C and D in the Pu’u O Umi Natural Area Reserve and the Kohala Forest Reserve on the Island of Hawai‘i .
Award:	\$50,000

Project Name:	Hilo Bay Watershed Advisory Group Web Site Project
Lead Partners:	County of Hawai‘i Planning Dept., Hilo Bay Watershed Advisory Group, Big Island Resource Conservation & Development Council
Description:	Project involves the design, development, implementation, and administration of a professional-quality interactive website for use by the wider community to address the Hilo Bay Watershed Advisory Group mission, which is to “bring the community together to understand and protect the ecology of the Hilo Bay Watershed”.
Award:	\$5,000

Project Name:	Hilo Bay Watershed Advisory Group Water Quality Monitoring Program
Lead Partners:	County of Hawai'i Planning Dept., Hilo Bay Watershed Advisory Group, Big Island Resource Conservation & Development Council, DOH Clean Water Branch, Pacific Aquaculture & Coastal Resources Center
Description:	Project will develop a water quality monitoring program to identify pollutants that may need application of Best Management Practices to bring suspect waters into compliance with current water quality standards.
Award:	\$5,020

Project Name:	Honolua Bay Stewardship
Lead Partners:	DLNR Division of Aquatic Resources, Project S.E.A.-Link
Description:	Project will expand stewardship efforts at Honolua Bay by engaging volunteers in community-based projects, developing interpretive outreach materials, and continuing current efforts such as biological monitoring.
Award:	\$13,500

Project Name:	Prioritizing Beach and Shoreline Resource Conservation: Phases 1-4 of a 5 Phase Project
Lead Partners:	Maui County Planning Department, Maui Coastal Land Trust, UH School of Ocean and Earth Science & Technology, UH Sea Grant
Description:	Phases 1-4 of this project will include the preliminary development of coastal erosion and sea level rise data, and a Heritage Corridor Report to identify publicly valued coastal resources. The County of Maui will use the resulting data from phases 1-4 to carry out phase 5: development of a Shoreline Analysis of potential Natural hazards and Developmental Alternatives (SAND-Alternatives) model which will identify priority shoreline areas for conservation, permitting decisions, land use and future planning, as well as provide guidance to decision makers.
Award:	\$87,500

Project Name:	Tsunami Education, Preparation & Recovery Plan for Downtown Hilo
Lead Partners:	County of Hawai'i Planning Dept., Pacific Tsunami Museum
Description:	Project will address the risk that the Downtown Hilo business community faces from tsunami inundation, including storm surge and coastal flooding.
Award:	\$24,700

IV. ORMP in Action: 2007 -2009

Working Group Progress: August 2007 – March 2008

Tasked by the Policy Group with three main work products to be completed by March 2008, the Working Group has had virtually no time to waste. The first several months after the Working Group was established were challenging, as members struggled to find common ground and agree how to move forward with implementation as a group. Several inaccuracies in the ORMP

were pointed out, and it took the group some time to move past those inaccuracies in order to proceed. One of the disagreements that arose among the group was a definition of “priority”, as our first task was to identify ORMP implementation priorities for the first two years. Possible criteria for defining “priorities” included the following:

- Doability – items with a high likelihood of success or that offer prospects measurable progress within a two year period;
- Mandated by statute, legislative directive, or internally declared priority within your organization/constituency;
- Urgency;
- Presence of capacity (personnel, financial, talent, alliances);
- Collaborative will – evidence of desire to leverage resources or collaborate across sectors;
- Systemic/foundational impact – creation of prerequisite conditions upon which other mandates or priorities are dependent/predicated;
- Subject to measurability;
- Sustain ongoing/in progress efforts to which entities are committed; and
- Lends itself to grouping, amalgamation or realignment of related efforts by major theme, e.g., “watershed”.

In addition to several of the questions and concerns among the group, progress was made as well. It was decided by CZM that the services of a professional facilitator would provide the structure needed in order to benefit the group and move the group along. After several facilitated meetings, an agreement was reached on the definition of “priorities”, for the purposes of the tasks at hand, would be: What your respective agency could commit to working on in the next 2 years/what is practical (Two years: July 2007-June 2009). Once “priorities” had been defined, the group was then able to start working within their respective agencies to identify which of the strategic actions in the ORMP were priority implementation items through 2009. The group also began identifying common needs and requested longer meetings each month in order to get more work done as a group.

Hazard Mitigation and Planning

At the first Policy Group meeting, General Robert Lee suggested the Working Group meet with the Department of Defense (DOD), State Civil Service (SCD) to discuss coastal hazards and planning. At this meeting between SCD, the ORMP Working Group, and others involved in hazard mitigation, CZM gave a brief introduction to the ORMP; UHM Social Science Research Institute provided an update on the Hawai‘i State Hazard Mitigation Plan; and SCD talked about two funding programs offered through the State DOD. General Lee suggested looking at mitigation in a more proactive fashion. He encouraged the members of the ORMP Working Group to think ahead and determine what they can do in the future. Several members of the Working Group expressed gratitude for the opportunity to interact with SCD staff on mutually beneficial hazard mitigation projects, and several members have continued to collaborate on these issues regularly.

Information Exchange

One of the benefits of participating on the ORMP Working Group has been the sharing of information between agencies and partners. Several members have offered reports, data and

project information that may be helpful to other members of the group. Some examples of this information include the following:

- DLNR “Hawai‘i Coastal Hazard Mitigation Guide Book” created for opportunities such as the update of the county general plans; helps to reference in plans (contact: Sam Lemmo);
- DOH can provide information on runoff related issues with zoning (contact: Hudson Slay);
- “Variations in Community Exposure and Sensitivity to Tsunami Hazards in the State of Hawai‘i ” report available at <http://pubs.usgs.gov/sir/2007/5208/> (contact: State Civil Defense);
- Members can obtain data on beach erosion at the Coastal Erosion website <http://www.soest.hawaii.edu/asp/coasts/index.asp> sponsored by UH-SOEST in partnership with Maui, Kauai, and City and County of Honolulu. (Contact: Chip Fletcher)
- For near-real time reports on beach safety use the Hawaii Beach Safety website <http://oceansafety.soest.hawaii.edu/> sponsored by UH-SOEST in partnership with the Hawaii Lifeguard Association and the Hawaii Department of Health. (Contact: Chip Fletcher)
- A Participant’s Guide to the Special Management Area (SMA) Permit Process in the State of Hawaii can be found at: http://www.state.hi.us/dbedt/czm/program/sma/participant_guide_to_the_sma.pdf (Contact: CZM)
- The Wai‘anae Ecological Characterization (WEC) synthesizes physical, biological, cultural, historic, and spatial information within the Wai‘anae community. The information can be used to examine the effects of cumulative and secondary impacts on the coral and other living resources, as an educational tool for community planning, and for other educational and decision-making activities. The WEC can be found online at: <http://hawaii.gov/dbedt/czm/initiative/wec/> (Contact: CZM)

Work Plans¹

There are a total of 113 strategic actions in the ORMP, each of which recommends lead agencies for implementation. Since agencies could not be expected to implement all 113 actions all at once, Working Group members with responsibility to implement these actions went through the list and picked out which ones their respective agency was actively implementing or intending to implement between July 2007 to June 2009. Then each agency prepared a work plan on how they would be implementing these specific strategic actions, including results indicators, known budget information, and completion dates. Once final agency work plans had been received, they were consolidated into one large state work plan. The final work plan indicates that 69 out of the 113 ORMP strategic actions, or 61%, are currently being implemented by agency Working Group members. Some preliminary analyses of the work plan are given below.

1

DLNR has begun to organize internal teams to implement this ORMP management goal and strategic action by focusing on four stewardship management priority areas statewide (Kealakekua Bay, Kaena Point, Ahihi Kinau, and Haena) in order to better integrate common resource management functions of the different DLNR divisions. DLNR work plans for each stewardship management area will be developed by May of 2008, and therefore are not included in the consolidated state work plan at this time. Opportunities for collaboration among other agencies and community groups will be identified at a later date.

State Projects

According to the final work plan, there are there are a total of 137 projects that state and county agencies will be working on that will serve to implement ORMP strategic actions through June 2009. Of those 137 projects, 55 are not yet started, 58 are currently in progress, 11 have been completed, and 13 are ongoing programs and initiatives. For a summary list of projects in the work plan, please see Appendix A.

Budgetary Information

Budgetary information was not provided for the majority of projects in the work plan. Out of the 137 combined projects listed, the 34 projects that did provide specific budget numbers indicate the actual cost of implementation totals more than \$17,523,283. The agencies also expressed a need for an additional \$1,648,020+ in order to carry out and complete 18 of their projects. Several agencies noted that their projects required millions of dollars that they don't currently have.

Other Needs Identified

Other needs besides actual dollar amounts indicated by the agencies included additional staff, staff training, accurate data, dialogue among agencies, federal approval of projects, GIS capability, Legal Council support, SMA Rule amendments, additional funding, and Legislative action.

Priority Management Goals/Strategic Actions

Out of the 69 strategic actions being addressed in the current Working Group work plan, the specific management goals and strategic actions in the ORMP that were identified as top priorities for implementation by Working Group members were the following²:

Perspective 1: Connecting Land and Sea

Management Goal: Improve coastal water quality by reducing land-based sources of pollution and restoring natural habitats.

Strategic Actions:

- Characterize pollutant loads from surface runoff, point sources, and groundwater discharge.
- Implement watershed implementation plans, total maximum daily load implementation plans, and local action strategies to address land-based pollution threats.
- Implement best practices to reduce pollutant loads.
- Increase water quality monitoring in identified areas of concern.
- Improve interagency coordination, effectiveness and efficiency in watershed management through the creation of a watershed coordinating committee to ensure ecological function is maintained to the greatest extent practicable.

Management Goal: Protect beaches, wetlands, and coastal communities from shoreline erosion and other coastal hazards.

² Top priorities listed in this section were determined by number of agencies (3+) actively implementing specific strategic actions. For a full list of strategic actions being implemented, see the full work plan and/or the work plan summary.

Strategic Actions:

- Establish a consensus on issues, management strategies and remedial actions to address shoreline erosion and coastal hazards.
- Develop comprehensive policies adopted through interagency agreements that treat shoreline management as a single integrated administrative unit and provide agencies with practical tools and skills necessary to improve management, minimize shoreline erosion and protect communities from coastal hazards.
- Encourage permitting authorities to analyze shoreline erosion, coastal hazards and other risks, such as impacts to natural and cultural resources prior to any zoning changes, Special Management Area/Shoreline setback variance permits or building permits.
- Conduct training programs utilizing practical tools to build capacity of government agencies and private sector to plan for and implement integrated shoreline management.
- Conduct statewide beach and shoreline assessment to identify priority areas based on risk of coastal erosion and hazards, vulnerability of coastal communities, and presence of coastal resources and recreational areas.
- Develop and implement coastal erosion and hazard mitigation management measures in priority areas.
- Conduct coastal hazard and resource assessment and risk analysis for any proposed coastal development.
- Require all new coastal development projects and plans as part of permit process to identify specific measures to mitigate risks associated with coastal erosion and hazards, and to protect sensitive coastal and cultural resources, and ensure public access.

Perspective 2: Preserving our Ocean Heritage

Management Goal: Enhance public access and appropriate coastal dependent uses of the shoreline.

Strategic Actions:

- Develop enhancement and restoration plans to increase public access and restore priority beaches and scenic vistas.
- Establish funding priorities for priority beach restoration projects.
- Identify and implement innovative mechanisms for coastal land acquisition and funding as an effective measure to preserve beaches.
- Conduct an inventory of beaches, shoreline areas and scenic vistas requiring protection as open space.
- Develop interagency agreements and public-private partnerships to acquire, preserve, and restore priority areas.
- Establish criteria for identifying priority coastal areas for public acquisition and appropriate coastal dependent uses.

Examples of Implementation Efforts

Shoreline Management

In order to preserve our shorelines, CZM (with the help of the Counties) is conducting an internal assessment of all shoreline use permits & procedures. When completed, the assessment may be used in order to propose rule amendments if/where applicable in order to better protect our shorelines.

Preparing for Coastal Hazards

In order to prepare for tsunamis on the Big Island, the County of Hawai‘i, in partnership with the Pacific Tsunami Museum, community groups, and CZM, is developing a comprehensive Evacuation & Disaster Preparedness Plan for Downtown Hilo. The project will include a strong outreach and education component for the community.

Understanding our Coasts

To develop an improved scientific database for decision-making and policy development along our coasts, the University of Hawaii, School of Ocean and Earth Science and Technology has established the Hawaii Ocean Observing System to model near shore currents, waves, and tides and provide on-line operational products that assist agencies charged with responsibility for the safe, clean, and productive capacity of Hawaii’s coastal ocean and shoreline.

Managing our Watersheds Mauka to Makai

The Office of Planning/CZM Program and DOH, in partnership with the Counties, the U.S. Environmental Protection Agency, and the National Resources Conservation Service, will establish a Watershed Coordinating Committee in order to promote protection of watersheds and water quality under CZM’s Coastal Nonpoint Pollution Control Program. One of the outcomes of the project will be a Watershed Guidance Document, which will provide agencies guidance on possible approaches to watershed management, planning, protection & restoration. It will also provide access to a watershed plan builder.

Minimizing Marine Alien and Invasive Species

The U.S. Coast Guard and the State Department of Agriculture continue in their ongoing efforts to monitor and control invasive species by inspecting ocean cargo and facilities at airports.

Improving and Maintaining Marine Facilities

The Department of Transportation’s Harbors Division is conducting a tariff study on the existing harbor fee structure in order to simplify the tariff system and increase revenues to pay for improvements and maintenance.

V. Further Development of the ORMP

ORMP Further Development and Demonstration Project

In order to further develop the ORMP as charged, CZM is developing a framework to move Hawai‘i toward a truly integrated, place-based approach for managing our island environment. The project, the expected outcomes, and the projected schedule were presented to the Working Group in September 2007. The first phase of the project is complete. The intent of this phase was to gather input from organized groups involved in natural and cultural resource stewardship in Hawai‘i through several tasks, including an inventory of community stewardship groups and a survey of these groups on their challenges, needs, best practices, successful projects, and institutional resources. The information gathered through the survey was used to develop draft principles that will guide the State toward place-, cultural-, and community-based approaches to natural and cultural resource management. A workshop of participating groups was held in

January 2008, in order to build capacity and develop implementation options associated with each principle. In addition, several Working Group members participated in the workshop.

The resulting draft framework, consisting of the principles and accompanying implementation options, is included in a final report, which will be made available to the public in April 2008. Other deliverables include a survey report, a workshop report, and a community stewardship directory. The next phase of the project will involve eliciting broader community and stakeholder input on the draft framework.

In addition, multiple demonstration projects for integrated natural and cultural resource management will be undertaken. The intent is to demonstrate the use of integrated planning approaches based on the Native Hawaiian principles through pilot implementation projects. The projects will address the constraints and opportunities that have surfaced through several sources, including the ORMP Working Group, the implementation options within the integrated planning framework, and MACZAC. Multiple projects may be undertaken to demonstrate how agencies can work together in a different style/working relationship, how communities can work together, and perhaps how agencies and communities can work together. The projects may be geographically or place-based, or they may be centered on particular substantive areas (i.e., natural resources).

Future Priorities

Thinking ahead about sustainable living in our islands, the Working Group has identified ocean energy as a priority for the future. Since it is critical for Hawai'i to identify alternative energy sources, the Working Group plans to include ocean energy initiatives in subsequent work plans for ORMP implementation.

Recognizing that there are some management goals and strategic actions in the ORMP that the Working Group would *like* to do, but don't have the resources to do, the group will continue to identify shared goals and efforts in order to address some of these priorities in the future.

Updating the ORMP

A number of issues have been raised regarding the content of the ORMP. The Working Group was reminded that the ORMP is a living document, and changes are inevitable. The Working Group may make recommendations to the Policy Group on the changes needed to render the ORMP more practical and reasonable. For the time being, the CZM Program is keeping track of all modifications, updates and deletions noted by Working Group members. These changes will be considered when the plan is being updated, which is scheduled for every five years (next update to be completed in 2011). This process allows for flexibility and adaptation to new efforts and priorities.

VI. Working Group Challenges

Implementing the ORMP has not been easy. Some of the common challenges that Working Group members have identified are described below.

Insufficient Human Resources

Insufficient human resources are a challenge for the members because participating on the Working Group requires a considerable amount of time and effort. Working Group members are expected to work within their respective agencies as well as with each other to implement the ORMP. Most members are working on ORMP implementation in addition to their regular job tasks.

Lack of Dedicated Funding and Political Will

Lack of dedicated funding and the fact that the ORMP is not legally binding are challenges. A comprehensive perspective in ocean management described in the ORMP is a new concept for many state entities. This plan illustrates what we need to do collectively in the State. During the next legislative session, the Working Group must collaborate on an integrated proposal to urge the administration and the Legislature that the budget for implementing the plan should be expanded and is justifiable. The group will also be looking at the possibility of amending legislation to enhance implementation.

Balancing Policy and Place-based Management

As the Working Group moves toward the long-term goal of place-based resource management, it will be a challenge to incorporate such concepts into state policy, which currently functions within a more sector-based framework.

Missing Key Players

The Working Group stressed the need for participation by all agencies listed in the ORMP. The participation of the City and County of Honolulu, Department of Planning and Permitting is particularly critical, as the implications of their absence are broad.

Also missing at the table is the Native Hawaiian perspective. The Office of Hawaiian Affairs is an official member of the Policy and Working Groups, but has not been available to attend regular Working Group meetings. The Association of Hawaiian Civic Clubs is also an official member, but due to transitional issues regarding their representative on the Working Group, have had an open seat for the last several months. This situation may create vulnerability later when matters are taken to the community for feedback or community involvement.

VII. Working Group Recommendations for Next Steps

The Working Group hopes to receive endorsement and support from the Policy Group to continue meeting regularly in order to implement and further develop the ORMP. The Working Group has several recommendations for next steps. They are described below.

Cross-sector Collaboration and Institutional Arrangements

Now that our individual agency work plans have been developed, one of our next steps should be to find opportunities for cross-sector collaboration. Several members suggested that the development of institutional arrangements such as MOUs or MOAs would be beneficial as ORMP implementation activities continue.

Several of the members requested discussion on how inter-agency dialogue should be fostered and supported. Since all the work cannot occur at the monthly meetings, some members felt a process was needed. The Working Group would like to address this.

Also, the notion of including strategic players and guests in our meetings to assist with future initiatives was discussed. The Working Group may want to expand the group membership.

Gaps Analysis

Streamlining ORMP implementation and identifying gaps is viewed as an important next step. The Working Group would like to map out our current efforts versus our needs in order to increase efficiency and reduce duplication of efforts. It is expected that this will also reveal that many agencies are already implementing much of the ORMP. The group sees this as a way to recognize our inter-relations and similarities.

Public Outreach Strategy

Work on ORMP outreach has been minimal since the plan was updated in 2006. The Working Group has identified their priorities for ORMP implementation and would now like to develop an ORMP public outreach strategy to ensure buy-in across sectors. Going through the process of prioritizing ORMP strategic actions has helped Working Group members realize the benefits of such a holistic plan and they believe it is crucial to share the plan with as many community groups and citizens as possible. The Marine and Coastal Zone Advocacy Council (MACZAC) supports the ORMP and are eager to participate in ORMP outreach in their local communities to promote and incorporate ORMP principles into local community stewardship efforts. MACZAC members want to help convey the CZM Program's efforts to move toward a place-, cultural-, community-based approach to resource management.

The Working Group would like to discuss community planning processes at future meetings. Several members offered suggestions on community engagement practices to use as models, such as the County community development plans (CDPs) and the Board of Water Supply's outreach practices.

Conflict Resolution

The Working Group would like to have a way to resolve conflicts and to balance uses. For example, what happens if management goals are at odds with one another (e.g., commercial activities)? The group would like to explore options for conflict resolution as a next step in ORMP implementation.

Reassessment of Resources after Legislative Session

After the 2008 legislative session, the Working Group would like to convene to assess any changes in financial and human resources. Any changes in legislation or new legislation will also be assessed to see how it relates to ORMP implementation.

Preparation of Proposals for Next Legislative Session

Based on the reassessment of the 2008 legislative session, ORMP work plans, and directives from the Policy Group, the Working Group agrees it is important to identify budget requirements

and develop legislative proposals for the next legislative session (2009) in order to enhance and further support ORMP implementation efforts.

VIII. Closing

While the work plans may not yet reflect collaborative governance, the proposed work tasks support ORMP implementation to the extent allowed by available human and fiscal resources. With the encouraging growth of the Working Group, we anticipate more extensive collaboration and hope to show more results on multi-functional, multi-agency tasks after the work plans are implemented and cross sectional tasks are pursued.

Fiscal support for the ORMP implementation remains an elusive challenge. The Working Group is concerned that expectations without reasonable resources is not a fair proposition. Until the support is provided, only limited implementation actions can be expected, and progress on the important cross-sectional challenges, such as in planning and managing priority watersheds, will be slow or nonexistent. Guidance and support on this from the ORMP Policy Group are needed.

The ORMP Working Group is seeking policy endorsement of its proposed work plans and to continue collaborating in pursuit of the broader ORMP goals. With approval of the work plans, a more concerted implementation is likely, and community-based approaches to natural and cultural resource management can be pursued. The Working Group is the logical forum to undertake cross sector collaboration. With the ORMP Policy Group's endorsement, the Working Group will undertake these important challenges. This concludes the status report detailing the Working Group's ORMP-related activities and proposed future work for the time period of 2007-2009.

Appendix A: Summary List of ORMP Work Plan Activities: July 2007 – June 2009

	Agency	Project	Status	Budget		Other needs
				Actual	Needed	
1	Hawaii Co	Hilo Bay Watershed Advisory Group; water quality monitoring	In Progress	11647	5020	
2	Hawaii Co	Kona CDP Policy ENV 1.3; Kona Mauka Watershed Mgmt Plan	Not Started			
3	Hawaii Co	Kona CDP Policy ENV 1.4; Kona Mauka Watershed Mgmt Plan	Not Started			
4	SOEST	Ridge to Reef; based on Molokai watershed	In Progress	50000		
5	Hawaii Co	Hilo Bay Watershed Advisory Group; website to facilitate communities	In Progress	10000	5000	
6	Hawaii Co	Kona CDP Policy ENV 1.2; Kona Mauka Watershed Mgmt Plan	Not Started			
7	DOH	Development of TMDLs	In Progress			state funds for match
8	DOH	Watershed plans for priority watersheds	In Progress	150000		
9	Hawaii Co	West Hawaii Water Quality Monitoring Conference	In Progress	10000		
10	Hawaii Co	Puna CDP Objective 3.1.3 (I); study on impacts of subdivision build-out	Not Started			
11	Hawaii Co	Kona CDP Policy ENV 1.1; environmental resources map	Not Started			
12	Hawaii Co	Kona CDP Policy ENV 1.13; comprehensive water quality monitoring program	Not Started			
13	SOEST	Hawaii Integrated Ocean Observing System	In Progress	100000		
14	SOEST	Field Evaluation of Hydrodynamic Separators for Treating Storm Water (K-bay)	In Progress	100000		
15	SOEST	Impact of coastal zone productivity driven by land derived inputs on CO2 exchange	In Progress	75000		
16	SOEST	Benthic Boundary Layer Geochemistry & Physics at Kilo Nalu Observatory	In Progress	2.2 M		
17	DOH	Implement watershed plans addressing land-based pollution	In Progress			contractor
18	Kauai Co	Update Comprehensive Zoning Ordinance	In Progress			
19	Hawaii Co	Puna CDP Objective 3.2.3 (P); encouraging organic farming and gardening	Not Started	10000		
20	DOH	Water quality monitoring in conjunction with BEACH Act bacteria monitoring	In Progress			
21	OP, DOH	Establishment of an Interagency Watershed Coordinating Committee	In Progress	30000		
22	OP	SMA Gap Survey Project	Completed			
23	Maui Co	Implement results of SMA Gap Survey project	Not Started			
24	Kauai Co	Practice and implementation of the Shoreline Setback bill	In Progress			
25	Kauai Co	Subdivision Ordinance revision, according to Coastal Mitigation Guidebook standards	Not Started			
26	Hawaii Co	Tsunami Education, Preparation and Recovery Plan for Downtown Hilo	In Progress	24700		
27	SOEST	Coastal modeling project: nearshore currents, waves & tides	Not Started	6M		

	Agency	Project	Status	Budget		Other needs
				Actual	Needed	
28	SOEST	Creation of a Sea Grant Center for Excellence in Community Resiliency	Not Started			
29	SOEST	Coastal erosion database for Maui, City and County of Honolulu, and Kauai Counties	In Progress	500000		
30	Maui Co	Proposal to relocate Baldwin Beach Park public facilities inland	In Progress		500000	FEMA approval
31	Maui Co	Shoreline Rule and SMA Boundary Rules Amendments	Not Started			staff time, DLNR-OCCL support
32	Maui Co	Workshops to develop a working relationship with DLNR Land Enforcement Agents re: shoreline violations	Completed			
33	Maui Co	Develop a framework to resolve disputes with DLNR re: recommended resolutions of shoreline violations	In Progress			Legal Council support
34	Maui Co	Develop a framework for expediting and streamlining permits	Not Started			Joint DLNR-MC meetings with Legal Council
35	Maui Co	Integration of enforcement efforts between State and County	Not Started			Workshops with Legal Council
36	Maui Co	Hire/train 6 new enforcement officers	Not Started		240000	
37	OP	Recommendations to Land Use Commission re: coastal hazard mitigation	Ongoing			
38	OP	Integration of planning and CZM hazard mitigation work into 2007 Update of State Hazard Mitigation Plan	Completed			
39	OP	Integration of planning and CZM hazard mitigation work into 2007 Update of the Kauai County Hazard Mitigation Plan	In Progress			
40	OP	Integration of planning and CZM hazard mitigation work into 2007 Update of the City and County of Honolulu Hazard Mitigation Plan	Not Started			
41	OP	Amendment of County contracts re: ORMP, SMA admin, & performance measures	Completed			
42	Kauai Co	Coastal Erosion Study for entire island	In Progress			
43	Hawaii Co	County of Hawaii Multi-hazard Mitigation Plan Objective 2.1; review GP hazard policies	In Progress			
44	Kauai Co	Conduct CZM training program for Planning Commission re: SMA	Completed			
45	Kauai Co	Infuse public outreach into each planning division re: shoreline management	In Progress			
46	Kauai Co	Implement outreach program through new Sea Grant position	In Progress	75000		
47	Maui Co	Workshops to develop a working relationship with insurance industry re: developments in coastal hazard areas	Not Started			contracts in the insurance industry
48	Maui Co	Incorporation of PRIMO study into Island-wide and Community Plan updates	Not Started			
49	Maui Co	SAND-Alternatives study, phases 1-4	In Progress	87500		
50	Maui Co	SAND-Alternatives study, phase 5	Not Started	60000	60000	
51	Hawaii Co	Co. of Hawaii Multi-hazard Mitigation Plan Objective 1.3: evaluate warning siren coverage	In Progress			

	Agency	Project	Status	Budget		Other needs
				Actual	Needed	
52	Hawaii Co	Co. of Hawaii Multi-hazard Mitigation Plan Objective 1.5: evaluate warning siren coverage	In Progress			
53	Maui Co	Implementation of erosion-based setbacks for the construction of new buildings	Ongoing			
54	Maui Co	Revise erosion maps for Maui's sandy shores	In Progress	50000	50000	
55	Maui Co	Improve commuting capacity for conducting shoreline setback determinations using GIS	Not Started		4000	
56	Hawaii Co	North Kohala CDP, Strategy 2-3 Land Acquisition; preservation of open space & cultural resources	Not Started			
57	Maui Co	Provide public discussion of alternative financing mechanisms for purchase of beach front properties (Paluea Beach)	In Progress			
58	Maui Co	Ordinance for beach mitigation bank establishment	In Progress		50000	staff time
59	Kauai Co	Amend and implement new legislation after Coastal Erosion Study	In Progress			
60	Kauai Co	Practice of requiring erosion studies at Commission and Subdivision level	Not Started			
61	Hawaii Co	Puna CDP Objective 2.1.3 (B); initiate Special Designs District designations	Not Started			
62	OP	Request of all Petitioners to identify measures to mitigate coastal hazards, protect coastal resources, and ensure public access	Ongoing			
63	Maui Co	SMA Major Permit approval process- requires applicants to address public access, coastal hazard mitigation, and protected sensitive cultural sites	Ongoing			SMA Rule amendments
64	Hawaii Co	Puna CDP Objective 2.1.3 (D); Amend county grading ordinance to require consultation with Historic Preservation Division and County Historic Preservation Commission	Not Started			
65	Hawaii Co	Kona CDP Policy ENV 1.9; Kona Urban Stormwater Management Guidelines	Not Started			
66	Hawaii Co	Kona CDP Policy ENV 1.11 and 1.12; Inventory and management plan for anchialine ponds	Not Started			
67	Hawaii Co	Organization of a task force re: flood hazards in Hawaii County	Not Started			
68	Hawaii Co	Co. of Hawaii Multi-hazard Mitigation Plan Objective 1.2; study feasibility of participating in Community Rating System	In Progress			
69	Hawaii Co	Co. of Hawaii Multi-hazard Mitigation Plan Objective 1.2: rainfall and streamflow gauging system	In Progress			
70	Hawaii Co	Co. of Hawaii Multi-hazard Mitigation Plan Objective 1.4: coastal hazard loss estimation study	In Progress			
71	Kauai Co	Inventory deficient wastewater stations	Completed			
72	Kauai Co	Upgrade wastewater systems: Wailua Wastewater plant	In Progress	1M		
73	Kauai Co	Require wastewater conditions as part of large scale developments	Ongoing			
74	Kauai Co	Functioning new wastewater plants based upon inventory and upgrades	Not Started		millions	
75	Hawaii Co	Puna CDP Objective 2.3.3 (A); encourage legislation to prohibit use of cesspools	Not Started			
76	Hawaii Co	Puna CDP Objective 2.3.3 (B); seek State DOH acceptance of: 1.) small-footprint septic wastewater treatment designs; and 2.) clustered septic systems for small villages/town centers	Not Started			

	Agency	Project	Status	Budget		Other needs
				Actual	Needed	
77	Maui Co	Fund a community-based project on Molokai to use treated wastewater for restoration of wetland habitat for endangered birdlife	Not Started		200000	
78	DOH	TMK parcel maps indicating method of wastewater treatment/disposal	In Progress			comprehensive & accurate wastewater information at TMK parcel scale; staff resources
79	DOH	Develop onsite wastewater disposal risk-based approach for Oahu, including inspection protocols	Not Started	75000		
80	DOA	Control invasive species by inspecting/monitoring facilities at airports and ocean cargo	Ongoing			Dialogue with DLNR
81	USCG	Monitor and control marine alien and invasive species for all foreign vessel boardings	Ongoing			
82	USCG	Mandatory facility and shipping inspections to enforce fed and state regulations on wastewater-discharge in restricted zones and in archipelagic waters	Ongoing			
83	DOT	Provide pump-out facilities to existing adequate municipal systems for all commercial harbors	Not Started	250000		
84	USCG	Mandatory inspections of marine sanitation devices for commercial and recreational vessels	Ongoing			
85	DOT	Tariff study to review existing harbor fee structure	In Progress	200000		
86	DOT	Master planning and implementation of new projects to provide for current & future needs of commercial harbor system	Ongoing			
87	DOA	Hatchery to allow for continuous production of finfish	Ongoing			Dialogue with DLNR
88	DOA	Permitting process re: private sector restoration and operation of ancient Hawaiian fishponds	Ongoing			
89	Hawaii Co	Kona CDP Policy ENV 1.14; educational tools for visitors	Not Started			
90	Hawaii Co	Kona CDP Policy ENV 1.15; community-based volunteer enforcement program	Not Started			
91	Hawaii Co	Puna CDP Objective 2.2.2 (B); modification and enforcement of Chapter 10 to prevent storm water diversion to other properties	Not Started			
92	Kauai Co	Purchase property to increase public access and restore priority beaches and scenic vistas	In Progress	millions		
93	Kauai Co	Bike path from Nawiliwili to Anahola	In Progress	millions		
94	Hawaii Co	Hilo Bayfront Trails project	In Progress			
95	Hawaii Co	Update Shoreline Public Access Geodatabase	Completed			
96	Hawaii Co	Puna CDP Objective 3.5.3 (B); improve and expand coastal activity areas	Not Started			
97	Maui Co	Completion of Beach Management Plan update & enact policy as an ordinance	In Progress			
98	Maui Co	Revise Beach Access guide, digitizing and georeferencing all access points	Not Started		40000	
99	Maui Co	Interactive, picture-based report on priority scenic vistas to be protected	In Progress		4000	GIS capability
100	Maui Co	Evaluation methodology for reducing visual impacts from development along shoreline	In Progress			
101	Kauai Co	Institute stop gap measures and limit development in problematic erosion areas	In Progress			

	Agency	Project	Status	Budget		Other needs
				Actual	Needed	
102	Kauai Co	Establish funding sources for beach restoration projects	Not Started			
103	Hawaii Co	Kona CDP Policy ENV 3.2; establish a finance strategy for Public Facilities Financing Plan	In Progress			
104	Hawaii Co	Kona CDP Policy ENV 3.3; establish Kona Treasures Fund- a public-private stewardship partnership to implement environmental policies	Not Started			
105	Maui Co	Revise penalties and fees for shoreline violations to be directed towards a revolving beach nourishment program	In Progress			
106	Maui Co	Fund publicly beneficial beach and dune restoration projects conducted by NGOs and communities	In Progress	50000		
107	Maui Co	Develop annual funding allocation and grant opportunities to support NGO & community beach and dune restoration programs	In Progress		60000	
108	Hawaii Co	Inventory of shoreline public access and installation of specific hazard signs throughout County of Hawaii	In Progress	30000		
109	Maui Co	Amend Molokai SMA & Shoreline Rules to protect Papohaku Dune	In Progress		40000	expand boundary study
110	Hawaii Co	Kona CDP Policy ENV 1.10; Enhanced Shoreline Setback	Not Started			
111	Hawaii Co	Kona CDP Policy ENV 3.1; Identification of high priority areas in Kona for public acquisition	Not Started			
112	Kauai Co	Inventory of beaches, shorelines, & scenic vistas as part of the updating of development plans	In Progress	105000	millions	
113	Hawaii Co	Kona CDP Policy ENV 2.1-2.3; Open Space Network Plan	Not Started			
114	Hawaii Co	Puna CDP Objective 3.1.3 (A); Adopt enabling legislation for a transfer of development rights program	Not Started			
115	Hawaii Co	North Kohala CDP Strategy 2-4; protection of State-owned parcels against future development makai of Akoni Pule Highway	Not Started			
116	Maui Co	Develop Mitigation Banking ordinance from endangered species, wetland, & land conservation	In Progress			
117	Kauai Co	Large rezoning project to establish criteria for identifying priority coastal areas for land acquisition and appropriate coastal dependent uses	Not Started		300000	millions for acquisition
118	Maui Co	Ukemahame linear coastal park; open space for public access	In Progress			
119	OP	Baseline study on ocean recreation & tourism, focusing on user conflicts statewide	Completed	50000		
120	Kauai Co	Empower local citizens to manage & run coastal areas, while preserving stewardship & tradition	Not Started			
121	DOA	Permitting process re: coastal and ocean aquaculture	Ongoing			
122	DOA	GIS system for locating aquaculture projects	In Progress		40000	staff training
123	DOA	Pursuing legislation for financial incentives re: commercial aquaculture development	In Progress			Dialogue, Legislative action
124	DOA	Obtain space at State commercial harbors for ocean aquaculture companies	In Progress			Dialogue, Legislative action
125	SOEST	Hawaii Ocean Atlas: global ocean model which feeds scientific products to enhance community resiliency	In Progress	6M		

	Agency	Project	Status	Budget		Other needs
				Actual	Needed	
126	OP	ORMP demonstration project for integrated natural & cultural resource management based upon moku/ahupua'a concept	Not Started	50000		
127	Hawaii Co	Puna CDP Objective 2.2.2 (A); Enact a Biosphere Reserve Buffer Zone Design District	Not Started			
128	OP	Moku (or place-based) support network to increase community dialogue (online directory) (part of the Place-, Culture-, and Community-Based Framework & Principles project)	Completed	104311		
129	OP	Workshop(s) for broader community input into the Place-, Culture-, and Community-Based Framework & Principles project	Not Started	49000		additional money for workshops
130	Maui Co	Recommendation for Molokai as test site for ORMP demo project in coordination with the Molokai Community Plan update	Not Started			
131	OP	Survey existing laws & ordinances to identify changes to incorporate place, cultural, & community-based framework & principles	Not Started		50000	
132	Hawaii Co	Puna CDP Objective 2.2.2 (B); Amend ordinance and/or zoning code in Puna subdivisions to provide standards for the preservation of native vegetation, review & public notice procedures for grading permits, and penalties for violations.	Not Started			
133	Hawaii Co	Puna CDP Objective 2.2.3 (D); Increase County role in helping to support native vegetation preservation	Not Started			
134	OP	Establishment of multisectoral ORMP implementation and monitoring group (ORMP Policy & Working Groups)	Completed	13125		funding for continued facilitation services
135	Kauai Co	Establish regular process of reporting and coordination of ORMP implementation	Not Started			
136	OP	Establish public advisory group to help assess & monitor ahupua'a/moku issues & maintain a dialogue at the community level	Completed	3000		
137	OP	Keep track of suggested changes/updates to ORMP, adjust strategic actions as needed	In Progress			
				\$17,523,283+	\$1,648,020+	