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# Pacific Regional Aquaculture Information Service for Education (PRAISE) and Publications

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## General Information

*Reporting Period* August 1, 2006–July 31, 2007 (Publications Component, final report)  
October 1, 2006–September 30, 2007 (PRAISE, final report)

<i>Funding Level</i>	Year	Amount
<b>PRAISE</b>	<b>1</b>	<b>\$22,000</b>

<i>Publications</i>	Year	Amount
	<b>1</b>	<b>\$52,510</b>

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## Objectives

### **PRAISE**

1. Identify methods or resources to facilitate aquaculture education in the Pacific that could be produced or distributed through regional libraries.
2. Continued support for the educational series on aquaculture techniques being developed by University of Hawaii at Hilo faculty.
3. Maintain a listserv for Pacific aquaculture.
4. Continue to provide established services.
5. Technology transfer.

### **Publications**

1. Inform educators and industry members of pertinent aquaculture information, and update them on the status of aquaculture in the region through various forms of media.
2. Inform the aquaculture community and interested parties of the progress of CTSA projects in relation to our mission through the dissemination of media produced by CTSA staff and other groups.

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## Principal Accomplishments

### **PRAISE**

#### ***Objective 1: Identify methods or resources to facilitate aquaculture education in the Pacific which could be produced or distributed through regional libraries.***

This project's staff has directed contacts at Pacific libraries to Web sites of free, full-text aquaculture literature to add to their resources. Our favorites: PEOPLE Project out of Guam, FAO, and the National Sea Grant Library. We have also been in contact with staff at the University of Guam Marine Lab and aquaculture extension agents in the CTSA region to get their permission to recommend them as resource personnel to our constituents. We have polled librarians and aquaculturists regarding what sorts of online digitized materials they would find useful, and the most requested thus far are resources on traditional or historical methods of aquaculture.

#### ***Objective 2: Continued support for the educational series on aquaculture techniques being developed by University of Hawaii at Hilo faculty.***

The project staff is collecting lifecycle information on the following species: moi, mullet, aholehole, and awa, to be used for educational and outreach projects by PACRC staff. We have finished scanning non-copyrighted documents on Hawaiian fishponds listed in the bibliography and delivering the digital copies to staff at UH Hilo's Pacific Aquaculture and Coastal Resources Center (PACRC) to be loaded and linked on the center's Web site.

**Objective 3: Maintain a listserv for Pacific aquaculture.**

This work is ongoing.

**Objective 4: Continue to provide established services.**

The PRAISE staff has answered 687 requests for information since October 1, 2006. We have supplied 2,580 citations, delivered 1,492 documents totaling 21,609 pages, and answered 369 miscellaneous queries.

**Objective 5: Technology transfer.**

We have completed scanning the non-copyrighted documents on Hawaiian fishponds that are listed in the fishpond bibliography and delivering the digital copies to PACRC staff to be loaded and linked on their Web site. We are planning our next scanning project of the papers of the University of Hawaii's Marine Option Program (MOP).

**Publications****Objective 1: Inform educators and industry members of pertinent aquaculture information, and update them on the status of aquaculture in the region through various forms of media.**

Four issues of CTSA's quarterly newsletter *Regional Notes* were published, including the December 2006 issue and the March, June and September 2007 issues. The newsletter was distributed to a subscriber list of more than 1,100 and to a total audience of nearly 1,300 throughout our region, in Washington, D.C., and in a diverse array of foreign lands from Nigeria, Italy, and Mexico to the South Pacific and Asia.

Throughout the publications project, *Regional Notes* articles covered a wide range of topics, including advancements in aquaculture activity and development in American Samoa; the experiences of Molii Fishpond veteran George Uyemura; the expansion plans of Big Island Abalone Corp. and Kodama Koi Farm; conferences and meetings of the Hawaiian Aquaculture Association; key personnel changes, such as the loss of John Corbin as the head of Hawaii's Aquaculture Development Program and new extension agent in American Samoa; and the success of coral farming programs in Micronesia. Each issue includes at least one AquaTips article, which focus on disseminating results from CTSA-funded projects.

This project also acquired and disseminated Aquaculture Status Updates mostly from members of our Industry Advisory Council on several key specialty areas and seven regions. Other activities that helped achieve this objective included updates to the CTSA Web site, [www.ctsa.org](http://www.ctsa.org).

**Objective 2: Inform the aquaculture community and interested parties of the progress of CTSA's projects in relation to our mission through the dissemination of media produced by CTSA staff and other groups.**

Articles published in the *Regional Notes* newsletter updated readers about project results. AquaTips articles had the following titles: Microalgae production for aquaculture in Hawaii and the U.S.-affiliated Pacific Islands, Shrimp-head processing alternatives for improving industry sustainability, Parasite screening for freshwater ornamental fish imported into the state of Hawaii, Preliminary findings in the

determination of the most cost-effective commercial diet for Chinese catfish (*Clarias fuscus*) in Hawaii, and Tilapia variety evaluation and hatchery expansion for local fry production in Guam.

Project staff participated in making editing suggestions for an upcoming publication, CTSA Publication No. 153, which reviews findings from a CTSA-supported study on the feasibility of producing marketable byproducts from underutilized waste streams, such as shrimp-head processing waste, in Hawaii and the American Insular Pacific. Also, project staff completed the 2006 Annual Accomplishment Report and the CTSA FY 2006 (Year 20) Plan of Work and assisted in the development of the FY 2007 (Year 21) Plan of Work.

Project staff responded to requests from throughout the CTSA region and the continental U.S. for CTSA publications and manuals. They also acted on regional requests for publications published by other Regional Aquaculture Centers.

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## Recommended Follow-Up Activities

### **PRAISE**

It would be smart of us to try and get copyright permission for the rest of the documents listed in the Fishpond Bibliography. Contacting the authors and publishers is a time consuming and disheartening process, but I believe we could get enough permissions to make the process worthwhile. Digitization of these papers would be a great contribution to the research world, along with providing established resources.

### **Publications**

The staff should continue to produce quarterly issues of *Regional Notes*, to maintain the CTSA Web site, and to improve the depth and breadth of its information services. The team will also complete the 2007 Annual Accomplishment Report and the FY 2007 (Year 21) Plan of Work. The staff has already begun to work with researchers to produce at least two CTSA publications, which should be published in the next project term.

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## Impacts

### **PRAISE**

The dollar value of the PRAISE service is staggering. Based on rates one would pay to the information industry's major suppliers (Dialog Information Service Inc. for access to ASFA, plus document delivery charges based on the average cost per article from Ingenta Inc.) the dollar value for our primary service may be presented as follows:

20,866 queries averaging 3 minutes each, or:

1,043.3 hours online @ \$80/hr = \$ 83,464

1,492 articles @ \$24 ea. = \$ 35,808

Total \$119,272

In replying to 687 requests for direct assistance, 2,580 of those queries were emailed to PRAISE patrons. The 1,492 articles represent 21,609 pages delivered almost exclusively by email. In addition, the staff responded to 396 miscellaneous requests. The PRAISE Web site is a bonus. It allows users to make requests online, publicizes research being done in the Pacific via the Gray Literature Bibliography and gives local vendors a venue to advertise themselves to the world.

For the Hawaiian Fishpond documents, PRAISE staff scanned 56 documents totaling 5,212 pages. The staff at the PACRC have loaded the documents on their server and linked them to the Hawaiian Fishpond Bibliography on the Internet.

### ***Publications***

This project has helped to disseminate aquaculture research results and information throughout the region to enhance viable and profitable U.S. aquaculture production to benefit consumers, producers, service industries, and, ultimately, the American economy.

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## **Publications in Print, Manuscripts, and Papers Presented**

Anderson, K. L. 2006. Mining the Internet: Free fulltext for Pacific librarians. Presentation given at the 15th annual conference and general meeting of the Pacific Islands Association of Libraries and Archives (PIALA), Koror, Republic of Palau.