PUBLICATIONS, VIDEOS AND COMPUTER SOFTWARE

Reporting Period
March 1, 1995 - August 31, 2012

Funding Level

Year 1	$ 50,000
Year 2	60,948
Year 3	45,900
Year 4	60,500
Year 5	67,000
Year 6	77,358
Year 7	82,205
Year 8	77,384
Year 9	60,466
Year 10	50,896
Year 11	45,723
Year 12	63,764
Year 13	80,106
Year 14	78,072
Year 15	73,982
Year 16	73,974
Year 17	76,159
Total	$1,124,437

Participants Texas A&M University System serves as Lead Institution, with Dr. Michael Masser as Project Leader. Participants in this project include authors and co-authors from all states in the region as shown in the listing of publications.

PROJECT OBJECTIVES

1. Review and revise, as necessary, all SRAC extension printed and video publications.

2. Establish an ongoing project location to develop and distribute new SRAC educational publications and videos for Southern Region aquaculture industries. This project will be responsible for preparation, peer review, editing, reproduction, and distribution of all Extension and popular-type publications for all SRAC projects.

3. Place current, revised, and new publications in electronic format (e.g., Internet or compact disk) for more efficient use, duplication, and distribution.

ANTICIPATED BENEFITS

The direct benefit from this project to the aquaculture industry is the widespread and ready availability of detailed information on production and marketing of aquacultural products. SRAC fact sheets, videos, and other publications are distributed worldwide to a diverse clientele. All SRAC publications are based on research conducted within the region or in surrounding areas.

Extension Specialists. When this project was initiated, fewer than half the states had educational materials covering the major aquacultural species in their state. The concept of using the SRAC program to produce timely, high-quality educational materials is based upon the benefits of centralizing the production process while using a region-wide pool of expertise to develop materials. Distribution is then decentralized through the nationwide network of Extension Specialists and County Agents. This process assures an efficient publication process that makes use of the best available talent in specific subject areas. The result is widespread availability of high-quality educational materials for scientists, educators, producers, and the general public.

Educators. Many high schools, colleges, and universities in the United States and around the world, use SRAC technical fact sheets as reference materials in aquaculture and fisheries courses. Educational institutions use SRAC extension materials in the classroom to make students aware of aquaculture production and associated trades as a possible vocation.

Consumers. Information is readily available for consumers who are seeking background information on aquaculture.

Producers. Information on the use of therapeutants, pesticides, methods of calculating treatment rates, and possible alternative crops and marketing strategies is in constant demand by aquaculturists. Videos that demonstrate such techniques are a ready source of "how-to" information.

Potential investors. Detailed information on production and marketing constraints and ways to alleviate or manage those constraints are particularly helpful to people making decisions about entering the aquaculture business. Economic information is used by lending agencies and potential investors, as well as established producers who use the information to help make day-to-day decisions on farm management.

Internet access. Availability of SRAC publications via the Internet and makes access faster and easier, facilitates searching for needed information, and reduces storage space requirements for printed documents.

Results at a glance...

- *Over 242 authors have contributed to SRAC publications since the project's inception.*
- *Sixteen new fact sheets and one project summary were completed this year. Seven more fact sheets and one DVD are in some stage of review.*
- *Twenty-four scientists from across the Southern Region contributed to completed publications this year.*

PROGRESS AND PRINCIPAL ACCOMPLISHMENTS

During this current project year, 16 new fact sheets were completed. The Aquaplant web site was also updated. All publications have been distributed throughout the Southern Region and to interested Extension Specialists in other regions. Eighteen fact sheets are in some stage of writing, production, or revision. Ten fact sheets currently do not have drafts submitted. Research funding from universities within the region, as well as funding from private sources, has been used to support the work on which the fact sheets are based.

WORK PLANNED

The next project year is in development and specific publications have not been established. The SRAC Publications Steering Committee meets during the annual IAC/TC meeting to develop the following year's project.

IMPACTS

This is a highly productive project with significant regional, national, and international impact. Fact sheets and videos are requested and used by clientele in all 50 states on a regular basis. Fact sheets generated within the Southern Region are also widely distributed by RACs and extension personnel in other regions. In addition to direct requests for printed material, fact sheets and other informational materials are accessed daily from the SRAC web site by people searching for technical information. In the period from September 2011 through August 2012, 23,934 visitors with 16,648 unique visitors came to the SRAC Publications web site and accessed 108,418 pages. These visitors came from 160 countries/territories. Since the fact sheets are also accessible through numerous other university research and extension web sites, the total usage and impact is undoubtedly several times greater. The AQUAPLANT web site from September 2011 through August 2012 had 250,494 visitors with 206,735 unique visitors that accessed 934,362 pages. These visitors came from 191 countries/territories.

Publications and videos produced by SRAC are increasingly used in educating high school and college students about aquaculture. In recent years there has been a rapid expansion of aquaculture curricula in high schools. These programs heavily utilize our publications and videos for educational purposes but usage is impossible to measure because many people access the information from Internet sites. Aquaculture and fisheries courses taught at many colleges and universities also use SRAC technical fact sheets as part of their course reference material.

Results at a glance...

- *In the period from September 2011 through August 2012, 23,934 visitors with 16,648 unique visitors came to the SRAC Publications website and accessed 108,418 pages.*

Another important impact is the education of local, state, and federal regulators about the aquaculture industry. This impact is difficult to measure but

feedback from personnel in two states indicates that the fact sheets are recommended reading for all new employees dealing with aquaculture water quality, exotic species, and other permitting duties. This should be a positive influence toward making aquaculturists better understood and the development of more enlightened regulations.

The impact on consumers of aquaculture products is also likely significant, although it has not been quantified. Consumers are primarily interested in a wholesome, safe, and inexpensive product, and it has been reported that the consumer-oriented fact sheets and videos developed within SRAC have generated more interest than the producer-directed materials. The fact sheets are in demand in both the English and Spanish versions and, as more information becomes available, extension materials on food safety will be in increased demand by health conscious consumers.

PUBLICATIONS, MANUSCRIPTS OR PAPERS PRESENTED

Fact Sheets Completed (9/1/11 - 8/31/2012)

Soft Shell Crab Shedding Systems, by Albert Gaude and Julie A. Anderson, SRAC Publication Number 4306
Mycobacterium Infections of Fish, by Ruth Francis-Floyd, SRAC Publication Number 4706
Species Profile: Black Sea Bass, by Wade Watanabe, SRAC #7207
Species Profile: Pigfish, by Cortney L. Ohs, Matthew A. DiMaggio and Scott W. Grabe, SRAC Publication Number 7209
Species Profile: Pinfish, Lagodon rhomboids, by Cortney L. Ohs, Matthew A. DiMaggio and Scott W. Grabe, SRAC Publication Number 7210
Production of Hybrid Catfish, by Rex Dunham and Michael P Masser, SRAC Publication Number 190 (Revision)
Non-Commercial Oyster Culture or Oyster Gardening, by Michael Osterling and Christopher Petrone, SRAC Publication Number 4307
How to Start a Biofilter, by Dennis P. DeLong and Thomas M. Losordo, SRAC Publication Number 4502
Herpesviruses in Fish, by Andy Goodwin, SRAC Publication Number 4710
Aquaculture and the Lacey Act, by Elizabeth R. Rumley, SRAC Publication Number 5005
Introduction to Financial Management of Aquaculture Businesses, by Carole R. Engle, SRAC Publication Number 4400
Assessing the Financial Position of an Aquaculture Business: Using Balance Sheets, by Carole R. Engle, SRAC Publication Number 4401
Determining the Profitability of an Aquaculture Business: Using Income Statements and Enterprise Budgets, by Carole R. Engle, SRAC Publication Number 4402
Evaluating the Liquidity/Cash Position of an Aquaculture Business: Using Cash Flow Statements, by Carole R. Engle, SRAC Publication Number 4403
Crawfish Production: Pond Construction and Water Requirements, by W. Ray McClain, SRAC Publication Number 240 (Revision)
A Spreadsheet Tool for the Economic Analysis of a Recirculation Tank System, by Matthew Parker, Dennis DeLong, Rebbecca D. Dunning, Thomas M. Losordo and Alex O. Hobbs, SRAC Publication Number 456 (Revision)

Final Project Summary

Management of Aquaculture Effluents from Ponds, by Robert P. Romaire, SRAC Publication Number 6004

Manuscripts in Review

Aquatic Weed Management, by Michael P. Masser, SRAC Publication Number 361 (Revision)
Nutritional Aspects of Seafood, by Elizabeth Reames, SRAC Publication Number 7300
Crawfish-One Page Bulletin by Elizabeth Reames
Farmed Hybrid Striped Bass-One Page Bulletin, by Harry Daniels
Prebiotics and Probiotics: Definitions and Applications, by Delbert M. Gatlin, III
Sorting and Grading Warm Water Fish, by Anita Kelly, SRAC Publication Number 391 (Revision)
Heterotropic/Biofloc Systems, by John Hargreaves

DVD in Review

Safety for Fish Farm Workers, by Nathan Stone

On-going project

Updating of the AQUAPLANT web site on aquatic weed management – Michael P. Masser.

All fact sheets completed by this project to date are available on the Internet at http://www.msstate.edu/dept/srac and http://srac.tamu.edu

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