

FINAL REPORT

INSTRUCTIONS: Limit to 5 pages. Detailed annual progress reports are scheduled for multi-year funded projects. Their submission is required six (6) weeks prior to the anniversary date(s) of the project in order to provide sufficient time for NRAC to review the report and approve the following year's funding. All investigators prepare and provide their reports to the Project Coordinator at least two weeks prior to the Annual Progress Report due date. The Project Coordinator will edit all reports into one final report to be approved by the Technical Committee Chair and the Industry Committee Chair (or their designee) of the Technical/Industry Advisory Council (TIAC). Following approval, the Project Coordinator will submit the report in hard copy and electronically to the Executive Director of NRAC. The format of the report should adhere to the following headings.

PROJECT CODE: 02-12 **SUBCONTRACT/ACCOUNT NO:** 556907

PROJECT TITLE: Determining the Demand for Locally Produced Baitfish in the Northeast

REPORTING PERIOD: : September 1, 2002 to April 30, 2006

FUNDING LEVEL: Total allocated to date.

PARTICIPANTS: Funded cooperating personnel and institutions, agencies, and business entities including extension liaison(s) and non-funded collaborators.

John D. Pesek, Project Coordinator, Richard Bacon, Joyce Newman-Rode, John Bernard, Hong Ding, William Daniels, John Whalen, Lewis Nevsky, Andrew Lazur, Steve Sanford, Ken Semmens, Mark Malchoff, Rodney Kiser, Kristin Loughery, Andrew Waltz, Curtis Line and Amy Parish.

PROJECT OBJECTIVES: List objectives as written in approved proposal.

1. Determine the species, sizes, seasonality and pricing of live baits sold in the Northeast, by area within the region.
2. Determine bait dealers' attitudes toward aquaculturally-produced baits and determine how much more, if any, dealers would be willing to pay for aquaculturally-produced bait.
3. Determine which live bait species appear to be most feasible for marketing by aquaculturists in the Northeast.

ANTICIPATED BENEFITS: State how the project will benefit the aquaculture industry either directly or indirectly.

By giving an overall summary of the market aquaculturally produced bait and indications of which species would be valuable in different regions, aquaculture producers would have a basis to decide whether to produce live bait and if they did where to market it.

PROGRESS AND PRINCIPAL ACCOMPLISHMENTS: Summarize in concise form the progress toward accomplishment of each objective during the year as a regional project unit. Omit details unless essential to understanding. Major results should be presented concisely for each distinct line of investigation. Measurement data are to be given in metric units.

Two of us Richard Bacon and Joyce Newman-Rode presented at the December NACE meeting in New Hampshire. We have hired two students Kristen Loughery and Andrew Waltz to conduct interviews with baitfish dealers. They have conducted about 140 interviews in five of the seven targeted regions of the Northeast. JJ Newman has also done a number of interviews in the other targeted areas (inland and

coastal New England) along with several key wholesalers. We also have several interviews conducted by Mark Malchoff in the Lake Champlain region as well some done by Rodney Kiser. This has been far more successful than our original plan to use volunteer aquaculture extension personnel to do the interviews. No matter how well intentioned and interested in the project they found it almost impossible to get time from their other commitments.

We have found it extremely difficult to continue the auctions part of our work due to problems with coordination with fishing clubs and lack of access to state lists of anglers. We have decided to use the information collected so far as a pilot study that holds promise for future research.

We have done some preliminary analysis of the bait dealer interviews and the pilot study auctions and have presented these results to the NRAC board in February of 2005.

An extension bulletin has been prepared and is enclosed with this report.

WORK PLANNED: Provide overview of following year activities if appropriate. Detailed statements of work plans need not be included. Any changes in direction or emphasis in your project as established in the initial proposal, or in the responsibilities and assignments of the participants, should be stated.

A refereed journal will be submitted sometime this year.

IMPACTS: In concise statements (possibly a bulleted list) indicate how the project has benefited the aquaculture industry either directly or indirectly and resulting economic values gained (where appropriate).

We have presented results at the following meetings:

- 2004 Summer Northeast Agricultural and Resource Economics meeting (Abstract published)
- 2004 NACE meeting in New Hampshire (Abstract published)
- 2005 NRAC Board Meeting (The presentation and summary will be posted on the NRAC web site)
- An extension bulletin has been prepared and submitted with this report. The requisite number of copies will be sent as soon as they are printed at the University of Delaware

SUPPORT: Use the format in the table below to indicate NRAC-USDA funding and additional other support, both federal and non-federal, for the project. Indicate the name of the source(s) of other support as a footnote to the table.

YEAR	NRAC-USDA FUNDING	OTHER SUPPORT					TOTAL SUPPORT	TOTAL
		UNIVER-SITY	INDUSTRY	OTHER FEDERAL	OTHER	TOTAL		
09/01/02-08/31/03	\$54,597	\$29,696						\$84,293
TOTAL	\$54,597	\$29,696						\$84,293

University support consists of matching salary for the P.I.s

PUBLICATIONS, MANUSCRIPTS, OR PAPERS PRESENTED: List under an appendix with the following subheadings: *Publications in Print*; *Manuscripts*; and *Papers Presented*. For the first two subheadings, include journal articles, popular articles, extension materials, videos, technical reports, theses and dissertations, etc. using the format of the

Transactions of the American Fisheries Society (example below). Under *Papers Presented* subheading include the authors, title, conference/workshop, location, and date(s).

Example of Transactions of the American Fisheries Society citation format:

Billington, N., R. J. Barrette, and P. D. N. Hebert. 1992. Management implications of mitochondrial DNA variation in walleye stocks. *North American Journal of Fisheries Management* 12:276-284.

An extension bulletin has been submitted with this report.

A refereed journal article is being prepared for submission this year.