

**COASTAL RECREATIONAL FISHING LICENSE
ANNUAL PERFORMANCE REPORT**

Recipient: Allison Besch

Grant Award #: 3204

Grant Title: Traveling Trunks: Tackle Boxes for Teachers

Grant Award Period: July 1, 2010 until June 30, 2011

Performance Reporting Period: July 1, 2010 – June 30, 2011

Project Costs:

Item	Amt budgeted	Amt requested	Date requested
Personnel	\$6,000.00	\$2,000.00	9/7/2010
Personnel		\$2,000.00	8/17/2010
Personnel		\$2,000.00	10/6/2010
Postage/marketing	\$200.00	\$200.00	5/18/2011
printing/photocopying	\$300.00	\$150.00	2/28/2011
printing/photocopying		\$150.00	5/18/2011
software	\$350.00	\$350.00	2/28/2011
acquisitions and materials	\$550.00	\$550.00	10/6/2010
teacher workshop	\$1,000.00	\$1000.00	5/18/2011
SUB TOTAL	\$8,400.00		
indirect cost (8%)	\$672.00		
TOTAL	\$9,072.00	\$8,400.00	
Remaining funding		\$0.00	

Description of Work:

In 2010-2011, the NC Maritime Museum (NCMM) developed and implemented a successful “traveling” educational resource for use in the classroom or in informal learning environments. This resource was designed to bring the history of recreational angling, ethical fishing practices, and marine conservation methods to audiences who are not able to attend on-site museum programming. The goal of this project was to help the museum educators reach a broader, more diverse audience while simultaneously increasing public awareness and enjoyment of recreational fishing practices. We proposed the following objectives for this project:

1. Research, document and interpret North Carolina’s recreational fishing heritage for a diverse audience
2. The tackle boxes include museum quality props and replicas that extend museum educational services beyond the current reach of in-house programs

3. Promote awareness of North Carolina's many fisheries, habitats and fishing opportunities, and cultivate interest in recreational angling
4. Enhance public understanding of the fishery management process and promote stakeholder participation, and reinforce the importance of purchasing the CRFL and adhering to size and creel limits
5. Promote ethical angling within the angling community and set an positive example for young and new anglers
6. Demonstrate catch-and-release "best practices", including techniques for minimizing catch and release mortality
7. Provoke discussions of responsible sportsmanship
8. Encourage anglers to practice and promote environmental stewardship in their decisions and actions

Project Status/Work Accomplished (align with numbered objectives from previous section):

1. Program coordinators accessed museum research, staff, and materials to assemble lesson plans. They also researched existing fishing education programs to modify lessons for the appropriate audience. NC State education standards were also consulted. Project coordinators Nick Mallos (July – August 2010), Matt Bowers (August –Sept. 2010, and Ann Kelly (July – Nov. 2010), and Ashley McQuillan Allenby (Sept. 2010 – May 2011) developed and compiled an original curriculum on the history of recreational fishing. It includes background information for teachers, worksheets for students, and activities that classes can implement using the props provided in the tackle box. Hands on props in the tackle box include fishing rods (spin reel and spincast reel), wooden fish replicas for a casting demonstration, examples of various fishing hooks, bobbers, lines, weights, and tackle, historic fishing paraphernalia, and a complete Gyotaku fish printing set (fish models and paper). History mystery items include 6 historic photos of 19th and 20th Century fishing methods, a clam gauge, a trout sounder, a net needle, and a marlinspike. The curriculum is included as an attachment to this document.
2. The first tackle box demonstration took place on 10/2/10 in Carolina Beach, NC at the Mid-Atlantic Marine Education Assn. Annual conference for an audience of 20 teachers and educators. A teacher workshop was planned for 2/21/11, but the loss of teacher workdays due to snow caused the workshop to be cancelled. A team of AIG teachers met to discuss the outreach materials in . Alternatively, Jon McBride was hired in May-June 2011 to market and demonstrate the resource to individual teachers. In total, the tackle box reached 475 students and 207 educators at 16 different schools. The tackle box was also loaned to Walking Fish, an organization supporting local fisheries that reached over 1200 politicians, lobbyists, and staffers at the NOAA Fish Fry on Capitol Hill in Washington, D.C. By June 30, 2011, we anticipate sending informational flyers and postcards to over 500 teachers across the state and Mid-Atlantic region promoting the program for the upcoming 2011-12 school year.
3. Lesson plans range from science ("anatomy of a fish") to social studies ("history mystery") and involve art (fish printing), writing (describe a fish vs. a marine mammal), and math (size limits).
4. The CRFL logo was included on each page and on all mailings and flyers. History of recreational fishing included for students to see the "big picture" of historical fishery management. The Gyotaku fish printing and casting materials from the Tackle Box were demonstrated at the museum's "Maritime Day" event on May 30, 2011, promoting adherence to proper size limits for area fish.

5. All lessons target elementary school age children and encourage environmental stewardship and understanding of the industry.
6. Student handbook includes catch and release technique discussion and different types of equipment to maximize healthy release.
7. An entire section on “ethical angling” including current regulations and conservation issues is included.
8. Attention given to NCMM monofilament recycling program in addition to other mentions of ethical angling (see above).
9. Beginning in Feb. 2011, we began contacting teachers in Carteret, Craven, and Onslow Counties and offering free demonstrations in the classroom to inspire understanding and use of the tackle boxes. June 2011, third through sixth grade teachers in Carteret, Craven, and Onslow County schools were contacted via mailings and email.

Deviations:

The original grant identified 2-3 unique tackle boxes but the program coordinator advised to create one more comprehensive tackle box that meets 2-3 criteria and to replicate the box multiple times. This way the box is more useful to a wider audience and can be shared in multiple classes or disciplines. There are 2 – 5 replicas of all materials in the curriculum and we have found those numbers to be able to meet the demand of teachers at one time.

The program coordinator found that the curriculum was better suited for middle elementary school grades (3-6) and in particular the Grade 4 curriculum that aligns with the state standards on local history. Feedback from the program confirmed this; educators indicated that the curriculum meshed well with the 4th grade EOG-focused curriculum. We expanded our target audience range from within Carteret County to include adjacent counties such as Onslow and Craven. The resource eventually traveled well beyond eastern North Carolina and even to a national audience in Washington D.C. The resource was also found to be equally useful for classroom and non-traditional audiences. It was utilized at festivals, conventions, and public community events.

As mentioned above, a teacher workshop was planned for 2/21/11, but the loss of teacher workdays in Carteret County schools due to snow caused the workshop to be cancelled. In the wake of that cancellation, teachers in Carteret County schools have been contacted via email and mailings, especially to promote and create interest for the program for the upcoming 2011-12 school year. An estimated 300 teachers from Craven and Onslow County schools will also be contacted via mailings.

Additionally, an evaluation was developed and administered to all participating educators to aid in analysis of the program and the betterment of future programming.