

# NOAA Chesapeake Bay Office Survey

## 2012 Keystone Species Workshop Series

### **Implementation Survey**

A few weeks ago we sent you an email letting you know we would be sending this follow-up survey.

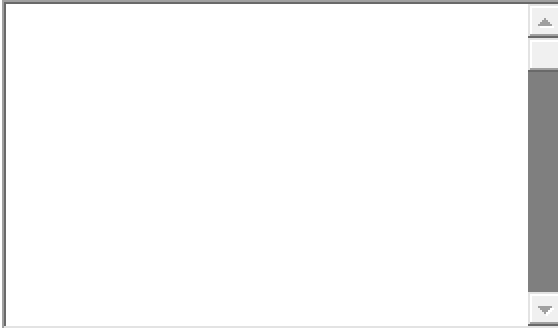
It has been over a year since the 2012 Keystone Species workshop series, and we wanted to check in with you about how you may have used content from this workshop in your education programming, program planning, and possibly even your non-professional life. The agendas for both sessions can be found [HERE](#). (Provide link here. Agendas are attached to this application packet.)

The information you provide will help the Environmental Science Training Center evaluate the effectiveness of the workshops we have been providing over the past couple of years, and help us plan future workshops.

- 1 Which Keystone Species Workshop Series session did you attend? (Please, check all that apply).

- Session 1: January 19, 2012
- Session 2: February 23, 2012
- Session 3: March 8, 2012
- Session 4: March 29, 2012

Comment:



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## **Program Implementation**

- 2 Which of the following hands-on Keystone Species Activities have you included in your programming? (Check all that apply).

- Session 1: Plankton Aquatic Drifters; Plankton Adaptations; Ali Schaffer
- Session 1: PLANS Program (Plankton & Nutrient Studies for the Chesapeake Bay); Stella Sellner and Richard Lacouture
- Session 1: Plankton Monitoring Network; Stella Sellner and Richard Lacouture
- Session 1: Plankton from Space: Bart Merrick
- Session 1: JellyWatch, Jellyfish Monitoring; Bart Merrick
- Session 2: Oysters in the Classroom Activities (Anatomy, Filters, Blood); Adam Frederick and Jackie Takacs
- Session 3: When is Dinner Served? Predicting Phytoplankton Blooms; Bart Merrick
- Session 3: Fish Tagging and Essential Fish Habitat: Bart Merrick
- Session 3: Striped Bass Dissection - Looking for Mycobacteriosis; Lonnie, Gonsalves

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3 Which of the following presentations provided you with science content and concepts that you included in your own presentations?

(Follow this LINK to review presentations)

(Check all that apply - and discuss )

- Session 1: What Does It Take to Become a Keystone Species? Howard Townsend
- Session 1: Plankton 101; Mike Ford
- Session 1: Plankton Communities in the Chesapeake Bay (Connecting nutrients, sediment, and algae); Kevin Sellner
- Session 1: Zooplankton in the Chesapeake Bay (How environmental conditions impact zooplankton populations); Jamie Pierson
- Session 2: Oysters and People; Ecosystem Services; Vic Kennedy
- Session 2: Oyster Disease and Current Management; Chris Dungan
- Session 2: Oyster Restoration Efforts and Reasons for Restoration; Stephanie Westby
- Session 2: Blue Crabs 101 (Research and Effective Fisheries Management); Derek Orner
- Session 3: Striped Bass History & Natural History; Ecosystem-Based Fisheries Management; Jim Uphoff
- Session 3: Current Striped Bass Research - Ecosystem Conditions and Fish Health; Mycobacteriosis; Mark Matsche
- Session 3: Striped Bass Nutrition; Lonnie Gonsalves
- Session 4: Threatened and Endangered Species 101 (History of Legislation; Listing process; Protected resources in Chesapeake Bay; Marta Nammack
- Session 3: Atlantic Sturgeon (Life history; Historical perspectives; Current DNR sturgeon science); Brian Richardson
- Session 4: Atlantic Sturgeon (Threats to sturgeon in region; Listing and impacts); Marta Nammack
- Session 4: Invasive Species (Invasive species defined; Invasive species in Chesapeake Bay); Jonathan McKnight
- Session 4: Blue Catfish (Introduction, Impacts, and Management Options) Andrew Turner and Mejs Hasan

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4 What specific science concepts, content, resources and activities from the Keystone Species Workshop Series have you incorporated into your programming?



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5 How were these components implemented? (Was it a totally new activity for your program? Did you use it to supplement existing programs? Other...)

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6 How often have you used this new information or materials?

- Every program
- A couple of programs/week
- A couple of programs/month
- Occasionally
- Not at all
- Other

Comment:

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7 With what age group(s) have you used content, materials, and activities from the workshop? (Please, check all that apply).

- Pre-K
- Elementary School
- Middle School
- High School
- Adults
- Other

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8 How will the training you received help your organization or school meet state curriculum goals (Environmental Literacy Standards, Common Core, Next Generation Science Standards)? Please explain.



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9 Did you find Dropbox a useful tool for sharing presentations, activities and content related to this workshop? Please explain.

Yes

No

Comment:



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10 Would you use an archived version of the presentations (video of presentations, audio recording with ppt. slides, other) as a reference, or for sharing with your audiences?



Yes

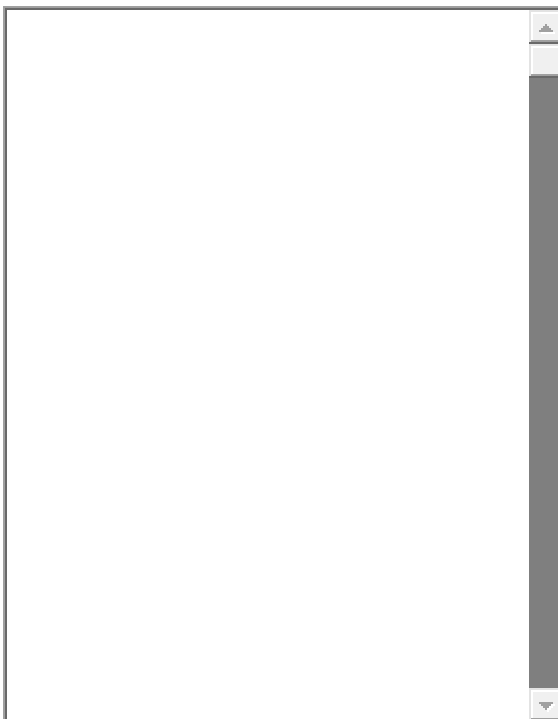
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11 How did the Keystone Species Workshop Series benefit you as a professional educator?



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12 If you have a story (not captured in the questions above) about how the workshop was used with program participants, or how it may have impacted you in a more personal way, we would love to hear it. Insights from your students, colleagues, or family members are welcome.

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Thank you for your thoughtful participation in this survey!

***Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other suggestions for reducing this burden to Bart Merrick, NOAA Environmental Science Training Center 904 S. Morris St., Oxford, MD 21654.***

***You are not required to share your name. Please, indicate in the survey if you wish to remain anonymous. Notwithstanding any other provisions of the law, no person is required to respond to, nor shall any person be subjected to a penalty for failure to comply with, a collection of information subject to the requirements of the Paperwork Reduction Act, unless that collection of information displays a currently valid OMB Control Number.***

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