



NOAA's Teacher at Sea Program



2017 Year in Review



NOAA Teacher at Sea Program 2017 Year in Review



TAS '17 Sian Proctor on board NOAA Ship Oscar Dyson.

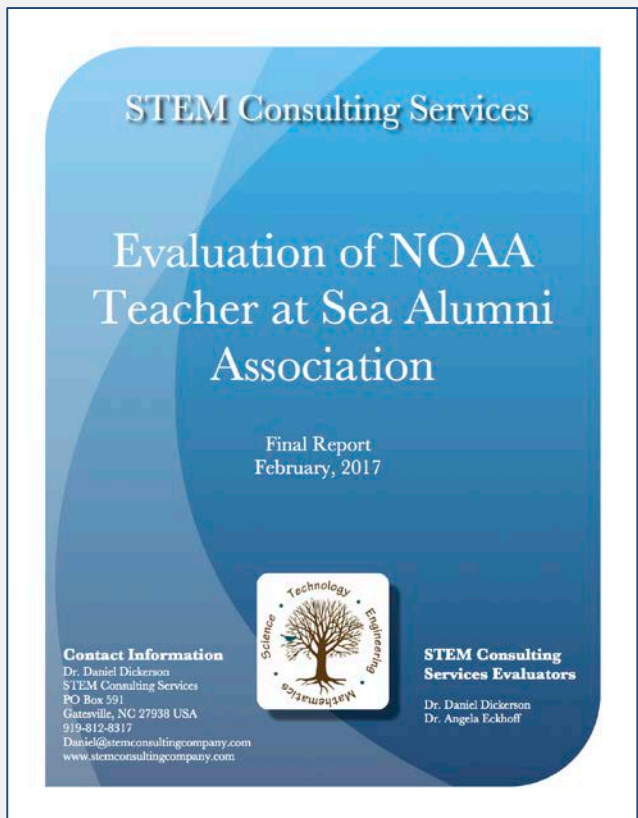
Overview

- External Evaluation
- 2017 Season
- Web and Social Media
- Alumni Activities
- Perspectives



External Evaluation (1)

- Report delivered in February 2017
- TAS Program seen as a “once in a lifetime opportunity” that bolstered participants’ professional identities and knowledge
- Alumni appreciated continued opportunities for engagement and growth offered through Teacher at Sea Alumni Association



<http://teacheratsea.noaa.gov/#/highlights>





External Evaluation (2)

- **Most Significant Change** Evaluation Technique
 - Identified 15 Significant Change stories in which alumni are making a significant impact on their classrooms and communities

*Video featuring
TAS '16 **Barney Peterson**
(Everett, WA) describing
the value of sailing on a
shark survey on board
NOAA Ship Oregon II*



<http://teacheratsea.noaa.gov/#/highlights>

2017 Season: By the Numbers

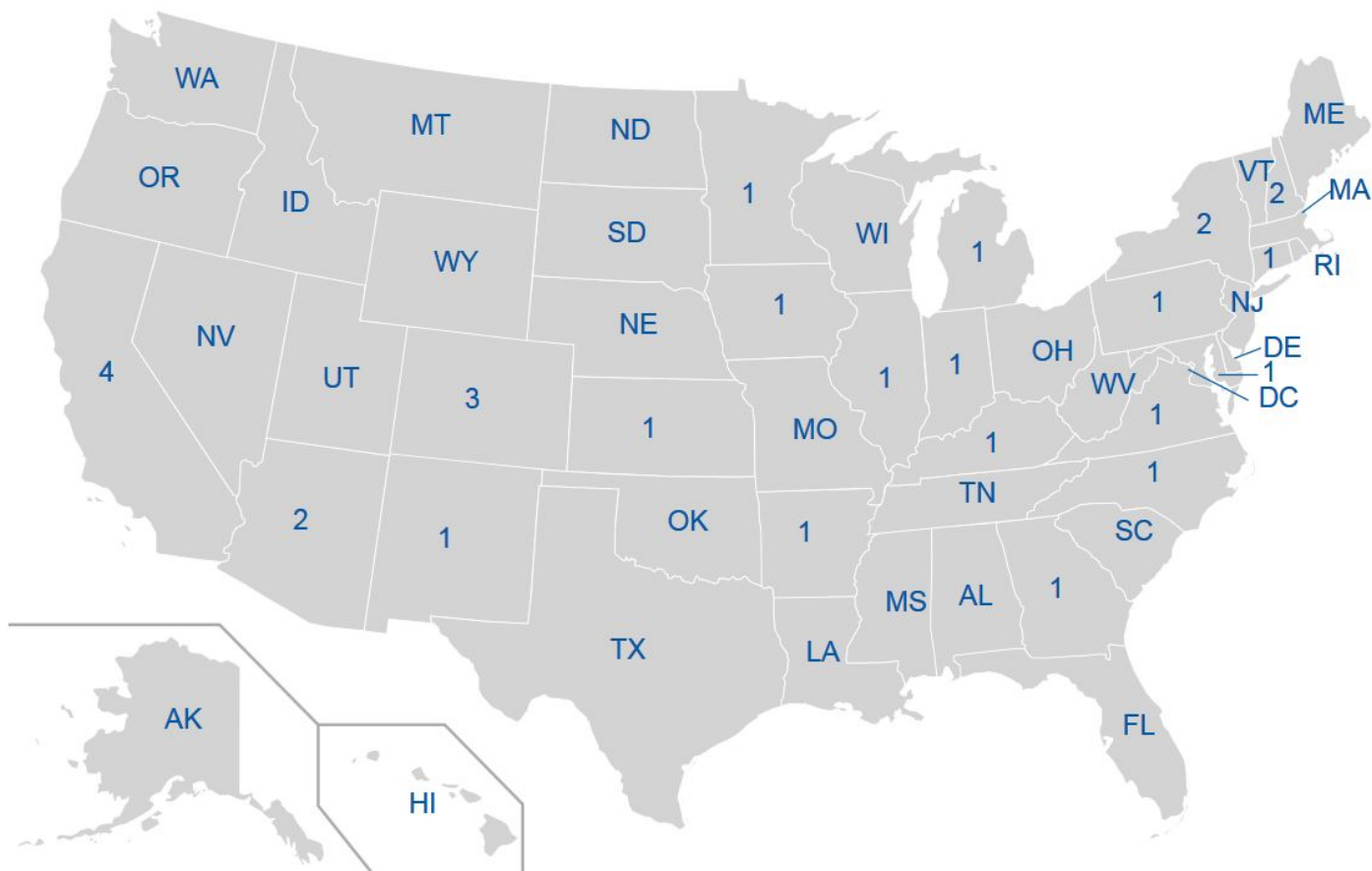


- Teachers sent to sea: 29
- Research Hours: 4900+
- States represented: 20
- Science blog posts: 178
- Active Alumni: 300+
- Outreach events: 31
- Graduate Credits Awarded: 6
- Media (articles, radio, TV): 12+

“In the classroom I am always trying to engage my students in authentic hands-on research. [The TAS] program **just took it up another notch** for me by putting me out in the field.” - TAS '17 **Susan Brown**



2017 Teacher at Sea Field Season





Web and Social Media (1)

In FY 2017:



350,000+ visits to teacheratsea.noaa.gov



53,000+ visits to noaateacheratsea.blog

Web and Social Media (2)

Most Popular **Photo of the Week**:
Man, Oh Man-o-War (April 17, 2017)
 Photo by TAS '17 Emily Sprowls



Facebook Reach: **12,263** users
 Facebook Engagement: **589** clicks, likes, or shares



Twitter Impressions: **8,017** users
 Twitter Engagement: **114** interactions



TAS Alumni Outreach Events (1)



(Top) NOAA Teacher at Sea Program alumni staff the NOAA Education booth at the **National Science Teachers Association (NSTA) National Conference** in Los Angeles, March 30 – April 1, 2017



(Right) TAS '10 **Beth Spear** volunteers at the NOAA booth at NSTA Milwaukee, November 9 – 11, 2017

TAS Alumni Outreach Events (2)



*TAS '17 **Karen Grady** and NOAA scientist Kristin Hannan speak with visitors to the Smithsonian National Museum of Natural History about sharks during the “Expert is In” Event, June 28, 2017*



NOAA Ship *Oregon II* 50th Anniversary



TAS Program joined the celebration of NOAA Ship *Oregon II*'s 50th Anniversary in Pascagoula, Mississippi, on October 5, 2017. Since 1990, 76 TAS have sailed on *Oregon II* -- including the very first NOAA Teacher at Sea, Debora Mosher.



TAS Program Director Jennifer Hammond presents a photobook of TAS on NOAA Ship Oregon II



TAS '11 Jenny Goldner presents a certificate from the Cherokee Nation to NOAA Ship Oregon II

Gulf of Mexico TAS Alumni Workshop

Southeast Fisheries Science Center Pascagoula Laboratory

May 5-7, 2017

- 17 alumni from 6 Gulf Coast and Southeast States
- 13 scientists and staff from the Pascagoula Lab
- 3 days of science and networking!
 - TAS Poster Session
 - Science presentations
 - Shark dissection
 - Boat trip on R/V *Caretta*
 - Trawling Demonstration
 - Beach clean-up
 - Lesson Share



Southwest TAS Alumni Workshop

Southwest Fisheries Science Center La Jolla Laboratory

November 17-19, 2017

- 31 alumni from 5 Southwestern States
- Scientists and staff from the La Jolla Lab
- 3 days of science and networking!
 - TAS Poster Session
 - Tour of SWFSC
 - Ichthyoplankton Lab
 - Experimental Aquarium
 - San Diego Maritime Museum
 - Sailing on the *Californian*
 - Lesson Share





Teacher Perspectives (1)



“The memories I have made from the Teacher at Sea program will be amongst the ones **I will cherish for the rest of my life.** Thank you so much for offering this program. I cannot begin to express how impactful it was to me personally and professionally.”

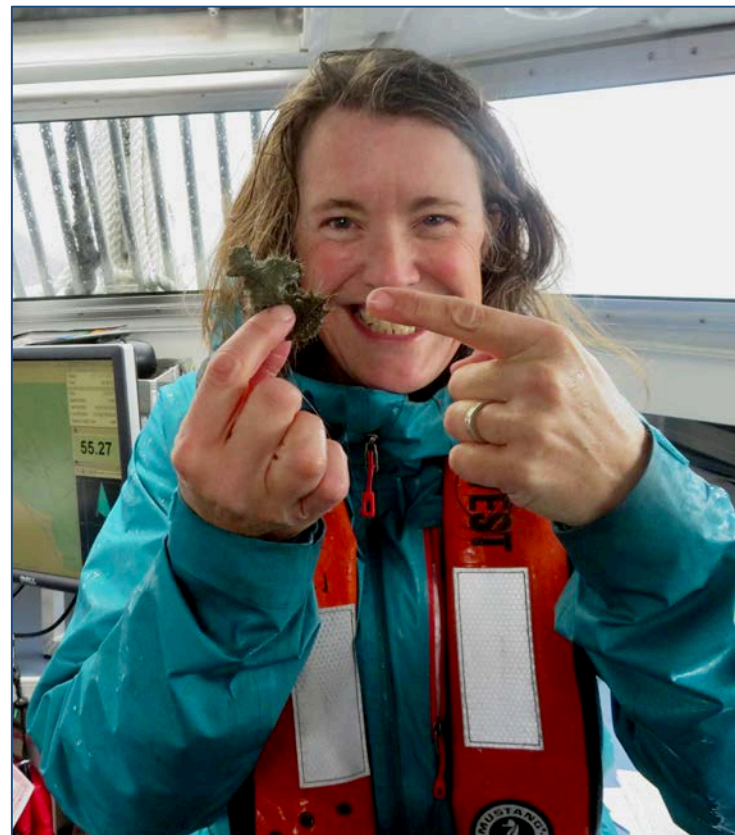
- TAS '17 **Samuel Northern**



Teacher Perspectives (2)

“Allowing teachers this opportunity is second to none. **I became a student again.** This is important in so many ways. It's sometimes easy to forget to put yourself in the students' shoes and see it through their eyes.”

- TAS '17 **Helen Haskell**



Teacher Perspectives (3)



“The TAS program provides a terrific avenue for connecting teachers and students with current, **real world research that is driving important policy decisions** related to our oceans and natural resources.”

– TAS ‘17 Kip Chambers

Teacher Perspectives (4)



"The longer we teachers teach, the further we get away from our own science education. I really appreciate the opportunity to reconnect with a current, real world scientific endeavor, in such a special setting, and to spend a little time "back in the lab." **It helps me to keep my teaching relevant."**

- TAS '17 Anna Levy

Teacher Perspectives (5)

“The Teacher at Sea Program **inspires me to build coalitions** among the school system, scientists and community partners to advance ocean literacy.”
- TAS '17 **Jenny Hartigan (R)**





Alumni Perspectives



"Teacher at Sea is hands down the best teacher development program around. It saved my career the first time I sailed, and it paved the way for new instructional courses at the school I teach at. **If it weren't for TAS, I wouldn't be a teacher anymore.**"

– TAS '11/'17 Staci DeSchryver

Scientist Perspectives (1)



I cannot say enough positive things about the relationships developed through this program. I think the chance for us as scientists to reach a broader audience and engage kids about the work we are doing and why is extremely important and useful to everyone involved!

– Biologist **Kristin Hannan**,
SEFSC Pascagoula Lab

NOAA biologist Kristin Hannan speaks with visitors at the Smithsonian's National Museum of Natural History.

Scientist Perspectives (2)

I sincerely hope that we will have the Teacher at Sea program around for a long time! They are one of the best ways for us to "get the word out" about the importance of what NOAA is doing to keep track of our constantly changing marine environment. They are also an important link to educating the public about a world which they may not have direct contact with, but which they can view through blogs and photos shared with them by the teachers.

— Fisheries Scientist **David Richardson**,
NEFSC Narragansett Lab



*Chief Scientist David Richardson and
TAS '17 **Sam Northern** prepare to
launch a drifter buoy.*