



UAF Kodiak Seafood and Marine Science Center

MAP Agent delivers Paralytic Shellfish Lesson in the Kodiak Middle School

Julie Matweyou delivered a 3-day lesson on Paralytic Shellfish Poisoning to the Kodiak Middle School 8th grade science students. The lesson included lecture and discussion on PSP dynamics in the Kodiak region, focusing on temporal and spatial patterns and the need for rapid test kits. Students worked with commercially available antibody-based field test kit and practiced laboratory skills including taking butter clam measurements, preparing the sample homogenate and extract, and conducting the rapid test to determine PSP toxin in their sample. For the fourth year in conducting this lesson, all classroom samples were positive for PSP, demonstrating that Kodiak has a background toxin concentration level approaching or above the regulatory level of 80 micrograms STX / 100 grams of shellfish tissue. This is a limiting factor for using this test kit in the Kodiak region, as the test only provides for a positive/negative scenario and always shows positive for PSP toxins in our region. However the test is useful in other areas that do not exhibit background levels and it is a wonderful educational tool. We thank Scotia Rapid Test for providing the kits at a discount rate for educational purposes. This has been an exciting collaboration between Julie and the Kathryn Symmes the 8th grade science teacher at the Middle School, and will continue in the future.



A science class works together to

conduct a PSP test.



Julie Matweyou helps student
measure for experiment

Alaska Sea Grant and UAF SFOS will have a strong presence at Kodiak Comfish 2016



ComFish Alaska, Alaska's largest commercial fishery trade show will be happening in Kodiak March 31-April 2. The Kodiak Seafood and Marine Science Center will have a booth, so come visit us! And the Alaska Sea Grant Marine Advisory Program will be hosting a few events. Here are a few highlights to look forward to:

Thursday, March 31st: 10:00am-12:00pm- Rights to Fish: Challenges and Opportunities in Alaska Fishing Access

Presenters: Courtney Carouthers - Associate Professor UAF, Duncan Fields- Shoreside Consulting - Kodiak, Hannah Heimbuch - Community Organizer, AMCC and Paula Cullenberg - Director of Alaska Sea Grant

This forum will share the latest findings from graying of the fleet research to better understand the loss of access by Alaskans to commercial fishing in Alaska and innovative ideas to reverse the trend. Policy makers will discuss potential solutions and fishermen will share insight from recent networking around the nation.

Friday, April 1st: 10:00- 10:30 Causes of declines in size-at-age of Pacific halibut

Presenter: Jane Sullivan, University of Alaska Fairbanks, School of Fisheries and Ocean Sciences

The average weight of a 20-year-old halibut declined from 120 pounds in 1988 to less than 45 pounds in 2014. We investigated the role of size-selective fishing, competition with an expanding arrowtooth flounder population, and other ecological and environmental factors on this decline in halibut size-at-age.

Friday, April 1st: 10:30- 11:00 Variability in Walleye Pollock Reproductive Potential and its Implications on Fishery Management

Presenter: Benjamin C. Williams, University of Alaska Fairbanks, School of Fisheries and Ocean Sciences

The Gulf of Alaska walleye Pollock fishery is managed using estimates of spawning stock biomass as a proxy for reproductive potential. We investigated changes in Pollock maturity and fecundity to derive better estimates of reproductive potential and discuss the resulting implications on management of this important commercial fishery.

Friday, April 1st: 1:00pm - 2:00pm Salmon Market Update and State Fiscal Challenges

Presenter: Gunnar Knapp, Director and Professor of Economics at the Institute of Social and Economic Research, University of Alaska Anchorage

An overview of world salmon market conditions and the factors driving Alaska salmon markets. He'll also

discuss Alaska's fiscal situation and how that might be affecting the fishing industry, including the pressure it is creating for both cuts to state spending as well as increases in fees and taxes.

Sponsored by Alaska Sea Grant Marine Advisory Program

Saturday, April 2nd: 1:00pm - 2:30pm - 1st Annual Fishermen's Showcase

Location: ComFish Trade Show Outside

Check out Kodiak's finest fishermen show off their talent in the first annual Fishermen's Showcase! Kodiak fishermen will demonstrate what it takes to be successful in their operations and compete for the honor of most able Fisherman! Sign up at the Kodiak Seafood and Marine Science Center booth or on the [Alaska Sea Grant Marine Advisory Program event site](#). Hosted by Alaska Sea Grant Marine Advisory Program

For a full schedule of events, visit the [ComFish 2016 Website](#).

Update on the 2nd Leg of the Alaska Seafood Processing Leadership Institute

Chris Sannito and Quentin Fong have just come back from the Seafood Expo in Boston where they showed members of the Seafood Processing Leadership Institute where Alaska stands in the world seafood market and how our processes and products vary from those of other parts of the world. This is the 5th session of ASPLI.



Al Bolea_ leadership instructor_ working with ASPLI participants from seafood plants around the state



ASPLI Group Photo in Boston

Program Highlight: Kodiak College now offering a Maritime Workforce Track

The Kodiak Community College is now offering a Maritime Workforce Development Program where they teach skills for vessel owners, service technicians, commercial fishing crew and other interested parties. Maritime skills are for career, work, family, safety and for life in Alaska. In recent months, our MAP agent Julie Matweyou and MAP Agent Gabe Dunham from Dillingham have participated in their programs.

There are two great classes coming up - this weekend there will be Vessel System Overview Class and next week on 4 evenings, they are offering an Introduction to DC Electrical Aboard Boats.

Intro to DC Electrical for Vessels

March 21-24 (6:00-9:00PM)

\$150.00

- Practice crimping wires
- Assemble a circuit of common vessel components
- Use a multi-meter to test circuits
- Apply basic safety standards
- Read and draw an electrical diagram
- Use the power equation



This is a 12-hour workshop for beginners on basic theory and practices of direct current electricity aboard vessels. No experience necessary. No testing, just learning. Scholarships available.

Call 907.486.1266 to register

Call 907.486.1239 for more information



All workshops are held at Kodiak College's new Industrial Arts Building – 4785 Rezanof Drive East (near Abercrombie.)

Vessel System Overview

March 19-20 (9:00AM-4:00PM)

\$100.00

- How do you replace an impellor?
- What is a Babbitt bearing?
Where do you adjust steering geometry?
- What do engine valves look like?



Come to the Vessel Systems Overview and find out! A functioning display will let you see how systems are integrated; bring your questions to class, a full day is reserved for detailed focus on topics which students request. No experience necessary. No testing, just learning. Scholarships available.

Call 907.486.1266 to register

Call 907.486.1239 for more information

To learn more about future course offerings you can visit the [Kodiak Community College Webpage](#) or the [Fix That Boat Facebook page](#).

COMING UP:

ComFish Alaska Trade Show

March 31- April 2

Kodiak, Alaska

Hosted by the Kodiak Chamber of Commerce - Forums held at the Kodiak Inn / Harbor Room. For more information, visit the [ComFish Alaska webpage](#).

Hazard Analysis Critical Control Point (HACCP)

April 14-15, 2016 Anchorage

May 12-13, 2016 Kodiak

November 10-11, 2016 Kodiak

HACCP is a process that has been established for seafood processing to prevent food-borne illness. This workshop helps Alaska seafood processors set up and carry out the federally mandated program. For more information see the HACCP Alaska Workshops web page or contact Chris Sannito at 907-486-1500 or visit the [Sea Grant Website](#).

Roe Workshop

April 28-29, 2016 - Kodiak Seafood and Marine Science Center

Kodiak, Alaska

Classroom lectures and hands-on activities in the Kodiak Seafood and Marine Science Center pilot plant and laboratories to broaden skills and overall knowledge of various roe processing techniques and markets. Topics will include sujiko and ikura processing, salt/sodium nitrite testing, packaging, roe grading, and seafood roe forms. The registration fee for this two-day workshop is \$270. Participants receive a certificate of achievement upon completion. [For more information and to register, click here](#).

For more information on trainings visit:
[Alaska Sea Grant Meetings and Workshops Page](#)



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