



UAF Kodiak Seafood and Marine Science Center

Gulf Apex Predator Program Wraps Up



Summer 2016 marks the end of an era as the Gulf Apex Predator prey (GAP) program comes to a close. Started in 1999 by UAF Alaska Sea Grant faculty Kate Wynne, Loren Buck and Bob Foy, GAP was the result of a federal appropriation to address the dramatic and precipitous decline of the western stock of Steller sea lions.

GAP was designed to explore Kodiak's complex predator and prey dynamics through a series of discrete yet interrelated directed research projects. Prior to 2007, GAP projects focused on a wide variety of both predator and prey species, including marine mammals, piscivorous fish, marine birds, and even zooplankton. For 2007 and beyond, changing personnel resulted in a more narrow focus for GAP. Led by Wynne and fellow Marine Advisory Program Marine Mammal Specialist Bree Witteveen, along with GAP PhD student turned Post Doc Lei Guo, GAP shifted its focus entirely to marine mammals. Project objectives concentrated on the seasonal distribution, relative abundance and diets of fin and humpback whales, Steller sea lions and harbor seals.

The last of GAP funding was awarded in 2014 and field efforts ended in 2015. Over the final months of this long-lasting project, remaining personnel have worked to solidify the GAP legacy by synthesizing and distributing data and summarizing results through peer-reviewed publications.

GAP by the numbers:
Total GAP Funding: \$9,106,711
4 PhD, 9+ MSc students
Graduate students: 15
Publications: 38+ innumerable posters and public presentations



For more information on the project and for publications, [visit the GAP Project Website](#).

For a summary of the project, [click here](#).

Bree's departure from Kodiak Seafood Center will be deeply felt and we wish her the best in her future endeavors.

Kate Wynne was awarded Emeritus status with the University of Alaska Fairbanks and Bree Witteveen will remain with the MAP program as affiliate faculty.



MAP Agent Julie Matweyou gives PSP lesson to Kodiak Middle School Students

Approximately 70 6th graders from the Kodiak Middle School (KMS), and about 15 accompanying teachers and chaperones, visited KSMSC May 25 for one of two activities on their Near Island field outing.

Julie Matweyou, ASG MAP agent in Kodiak, instructed the group on Paralytic Shellfish Poisoning on Kodiak Island and asked students to consider monitoring for the causative organism or toxins through phytoplankton monitoring or shellfish toxin testing programs. Students explored the topic of PSP, the complexities of monitoring programs, and an array of scientific equipment for these specialized tasks, including phytoplankton collection equipment and field toxin test kits.



Julie Matweyou teaching Kodiak Middle



KMS students get hands on experience with

KSMSC In the News

[Roe School highlighted in the Kodiak Daily Mirror on 5/3/16](#)

[Two Marine Mammal Specialists Conduct First Whale Survey of 2016 Story on KMXT 5/9/16](#)

[Bree Witteveen's Departure highlighted on KMXT on 5/17/16](#)

[Chris Sannito gives an update to KMXT on the pollock skin for pet treats project on 5/19/16](#)



Internship Opportunity

The Sun'aq Tribe of Kodiak has partnered with KSMSC and other Kodiak organizations to offer a broad experience in natural resource management. This position as the Tribal Youth Natural Resource Intern is one of five summer internships available through the Sun'aq Tribe of Kodiak Natural Resources Department. Each three-month paid position starts in June 2016. All necessary field gear and training provided. Depending on job, food and housing may be provided! [See the attached summary](#) or visit www.sunaq.org/careers for job details, qualifications and application process.

1. Tribal Youth Natural Resources Intern
2. Tribal Youth Fisheries Intern
3. Tribal Youth Wildlife Intern
4. Invasive Species Intern
5. Invasive Species Technician II

Please contact Sunaq with your questions at (907) 486-4449
or: Kelly kkrueger@sunaq.org or Tom talance@sunaq.org



Pictures from this month



The Southwest Alaska Municipal Conference SWAMC Development Economist for the Manufacture Alaska Extension Partnership Director and Larsen Bay salmon fisherman Erik OBrien stopped by the KSMSC for an informal chat with faculty and a tour from Chris Sannito.



Students from the May 12 HACCP Class that Chris Sannito taught at KSMSC



Faculty Quentin Fong giving a tour to Ryan West and Ephraim Froehlich - two of Senator Murkowski's Aides



Participants from Roe School inspect the roe before they starting on their project

COMING UP:

Smoked Seafood School

October 12-14, 2016

UAF Kodiak Seafood and Marine Science Center, 118 Trident Way
Kodiak, Alaska

Learn to smoke and process fish! For home fish-smoking enthusiasts, small smokehouse operators, fishermen direct-marketing their fish and commercial operations. For more information and to register, [visit our website](#).

Hazard Analysis and Critical Control Point HACCP Class

UAF Kodiak Seafood and Marine Science Center, 118 Trident Way
Kodiak, Alaska

November 10-11, 2016 8:00 am-5:00 pm

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. Participants receive a basic HACCP certificate issued by the Association of Food and Drug Officials (AFDO). For more information see the [HACCP Alaska Workshops web page](#) or contact Chris Sannito at 907-486-1535.

Seafood Processing Quality Control Training

November 14-18, 2016

UAF Kodiak Seafood and Marine Science Center, 118 Trident Way
Kodiak, Alaska

classroom lectures and hands on activities at the Kodiak Seafood and Marine Science Center to broaden skills and knowledge in seafood quality, safety, regulatory requirements, sanitation procedures, sensory analysis, and other QA/QC-related industry topics. 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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<http://www.uaf.edu/sfos/about-us/locations/kodiak/>

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