



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE

Alaska Fisheries Science Center
7600 Sand Point Way N.E.
Bldg. 4, F/AKC
Seattle, Washington 98115-0070

March 7, 2015

RECEIVED
MAR 11 2015

Chris Oliver, Executive Director
North Pacific Fishery Management Council
605 West 4th Avenue, Suite 306
Anchorage, AK 99501-2252

Dear Chris:

The Alaska Fisheries Science Center offers Dr. Cindy Tribuzio for your consideration to serve on the NPFMC BSAI Groundfish Plan Team. Dr. Mike Sigler has announced he is vacating his seat on the Plan Team, and Cindy is being offered as Mike's replacement.

Cindy has strong quantitative skills and expertise in life history theory and biology. She led an important Plan Team working group to estimate the amount of incidental catch taken in the previously unobserved halibut fisheries. This working group fostered collaborations with the observer program, the Regional Office catch accounting staff, ADF&G, and the IPHC and gave her a deeper understanding of data that are extremely important in the Plan Team review process. Through her authorships of the BSAI sharks and GOA sharks and other rockfish SAFE chapters, she has implemented standard data poor methods and developed new methods for Tier 5 and 6 stocks. She also has participated in the Alaska Center's longline survey many times and can provide guidance on data derived from that survey. Her mix of quantitative and biological experience will provide useful expertise and practical advice to the BSAI Plan Team. Her CV is enclosed for your consideration.

We appreciate the opportunity to provide scientists in support of the NPFMC Plan Teams.

Sincerely,

A handwritten signature in blue ink that reads "Doug DeMaster".

Douglas P. DeMaster, Director

Attachment

cc: F/AKC2 Dan Ito, Acting Division Director
F/AKC4 Phil Mundy, Division Director
F/AKRO Jim Balsiger, Alaska Regional Administrator



Curriculum Vitae of Cindy A Tribuzio

Contact Information

National Marine Fisheries Service
Auke Bay Laboratories
17109 Pt. Lena Loop Road
Juneau, AK 99801

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Email: cindy.tribuzio@noaa.gov

Academic Credentials

Central Washington University	Biology/Ecology	B.S. 1999
Universtiy of Washington	Fisheries	M.S. 2004
University of Alaska Fairbanks	Fisheries	Ph.D.2010

Professional Credentials

- 3/08 – Pres. **Research Fishery Biologist**, National Marine Fisheries Service, Auke Bay Laboratories, Juneau, Alaska
- 7/04 – 4/08 **Research Fellow**, University of Alaska Fairbanks, School of Fisheries and Ocean Sciences, Juneau, Alaska, funded by the Rasmuson Fisheries Research Center
- 8/01 – 6/04 **Teaching and Research Assistant**, University of Washington, School of Aquatic and Fishery Sciences

Current Activities

1. Lead author for the annual Stock Assessment and Fishery Evaluation reports for the shark and other rockfish stock complexes in the Gulf of Alaska and shark stock complex in the Bering Sea/Aleutian Islands FMP.
2. Lead PI on a North Pacific Research Board funded project investigating methods to improve aging techniques for spiny dogfish.
3. Project leader for satellite tagging study of spiny dogfish.
4. Lead author on the IUCN Shark Specialist Groups assessments for the Bronze Whaler shark and Mud skate, and secondary author on the Aleutian skate
5. Member of Ph.D. and M.S. graduate student committees at University of Alaska Fairbanks and Alaska Pacific University

Five Recent Peer-reviewed Publications

- Conrath, C.L., C.A. Tribuzio, and K.J. Goldman. 2014. Notes on the reproductive biology of female salmon sharks in the eastern North Pacific Ocean. *Transactions of the American Fisheries Society*. 143:363-368.
- Tribuzio, C.A. and G. H. Kruse. 2012. Life history characteristics of a lightly exploited stock of *Squalus suckleyi*. *Journal of Fish Biology*. 80:1159-1180.
- Tribuzio, C.A. and G. H. Kruse. 2011. Demographic and risk analysis of spiny dogfish (*Squalus suckleyi*) in the Gulf of Alaska using an age- and stage-based population models. *Marine and Freshwater Reseach*. 62:1395-1406.
- Tribuzio, C.A. G. H. Kruse and J.T. Fujioka. 2010. Age and growth of spiny dogfish (*Squalus acanthias*) in the Gulf of Alaska: Analysis of alternative growth models. *Fishery Bulletin*. 108:119-135.
- Tribuzio, C.A., V.F. Gallucci, G. Bargmann. 2009. A survey of demographics and reproductive biology of spiny dogfish (*Squalus acanthias*) in Puget Sound, WA. In "Biology and Management of Dogfish Sharks". (Eds. W.F. Gallucci, G.A. McFarlane, G. Bargmann) American Fisheries Society, Bethesda, MD. pp. 184-194.

Recent Non-Peer-Reviewed Publications

- Tribuzio, C.A.**, and K.B. Echave. 2014. Assessment of the Other Rockfish stock complex in the Gulf of Alaska. In Stock assessment and fishery evaluation report for the groundfish resources of the Gulf of Alaska, pp. 843-848. North Pacific Fishery Management Council, Anchorage, AK. (and similar annual documents back to 2012)
- Tribuzio, C.A.**, K. Echave, C. Rodegveller, and P. Hulson. 2014. Assessment of the shark stock complex in the Bering Sea and Aleutian Islands. In Stock assessment and fishery evaluation report for the groundfish resources of the Bering Sea and Aleutian Islands, pp. 1825-1884. North Pacific Fishery Management Council, Anchorage, AK. (and similar annual documents back to 2004)
- Tribuzio, C.A.**, J.R. Gasper and S.K. Gaichas. 2014. Estimation of bycatch in the unobserved Pacific halibut fishery off Alaska. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-265, 506 p.
- Tribuzio, C.A.**, P. Hulson, K. Echave, and C. Rodegveller. 2014. Assessment of the shark stock complex in the Gulf of Alaska. In Stock assessment and fishery evaluation report for the groundfish resources of the Gulf of Alaska, pp. 931-948. North Pacific Fishery Management Council, Anchorage, AK. (and similar annual documents back to 2004)

Selected Recent Presentations at Scientific Meetings

- Gasper, J.R., **C.A. Tribuzio**, M. Furuness. 2014. Shifting a management paradigm: managing by numbers instead of weight for large species. Western Groundfish Conference, Victoria, British Columbia, Canada.
- Tribuzio, C.A.**, B. Matta, C. Gburski, C. Blood, W. Bublely, G.H. Kruse, W. Becthol. 2015. What to do when spiny dogfish lie about their age? Alaska Marine Science Symposium, Anchorage, Alaska
- Tribuzio, C.A.**, and K. Andrews. 2014. Pop-off tagging of spiny dogfish in the eastern North Pacific Ocean. Presented at both: North East Pacific Shark Symposium, Seattle, Washington; and Western Groundfish Conference, Victoria, British Columbia, Canada.
- Tribuzio, C.A.**, C. Blood, B. Matta, C. Gburski, W. Bublely and G.H. Kruse. 2014. Re-inventing the wheel has it's challenges: investigating new methods for ageing spiny dogfish. North East Pacific Shark Symposium, Seattle, Washington.
- Tribuzio, C.A.**, B. Matta, and C. Gburski. 2014. A new era of ageing spiny dogfish (*Squalus suckleyi*) in the North Pacific Ocean. ICES International Otolith Symposium, Palmira, Spain.
- Wildes, S., **C.A. Tribuzio**, and J. Guyon. 2014. Two genetically distinct populations of sleeper sharks in Alasa and British Columbia. Western Groundfish Conference, Victoria, British Columbia, Canada.

Honors and Awards

- Rasmuson Fellow, awarded by the Rasmuson Fisheries Research Center. July 2005 – April 2008
- CIFAR Fellow, awarded by the Alaska Fisheries Science Center and the Cooperative Institute for Alaska Research. June 2004 – June 2005
- Best Student Oral Presentation, Alaska Marine Science Symposium 2008