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National Marine Fisheries Service
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EDUCATION

Ph.D. **University of Alaska Fairbanks (2011), School of Fisheries and Ocean Sciences**
Fisheries

M.M.A. **University of Washington, School of Marine Affairs (2004)**
Master Marine Affairs

B.S. **University of Alaska Southeast (2002)**
Major: Biology (marine emphasis)

WORK EXPERIENCE

2017 – Current Senior Analyst: National Marine Fisheries Service: Juneau, Alaska
2006-2017 Resource Management Specialist: National Marine Fisheries Service: Juneau, Alaska
2005-2006 Regulatory Specialist: National Marine Fisheries Service: Juneau, Alaska
2004-2005 Assistant Area Management Biologist: Alaska Department of Fish and Game, Sportfish
Division: Juneau, Alaska
2002-2004 Research Assistant: University of Washington and National Park Service (Glacier Bay)
1999-2001 Seasonal Fishery Technician: Alaska Department of Fish and Game, Commercial Fisheries
Division: Juneau, Alaska and Excursion Inlet.

PROFESSIONAL SERVICES

2016- Present Member Scientific and Statistical Committee of the North Pacific Fishery Management
Council
2013-2015 Member Bering Sea Crab Plan Team
2012- Present Member of Observer Science Committee
2014 Session chair American Fisheries Society Symposium, Alaska Chapter. Fishery
Management Session.
2013 Alaska Regional Office delegate for workshop with Korean government
2012-2014 Member of NOAA's National Recreational Fishing Initiative working group
2012-2018 Member of National Standard 1 workgroup
2010, 2018 Member of National Bycatch Report workgroup
2008-2011, 2018 Board Member, Juneau Chapter of Trout Unlimited

TEACHING

2013, 2015. R-Cran Workshop: Led full day workshops. Alaska Regional Office, Juneau
2013. Guest lecture for BIOL 315: Current Topics in Biology. University of Alaska Southeast
2012, 2014. University of Alaska Fairbanks. Guest Lecture for FSH640: Fishery Management in Alaska.
2011. Guest lecture for BIOL 415: Physiology of Marine Organisms. University of Alaska Southeast
2009. Assistant for ADMB workshop provided by Dr. Jim Ianelli. Alaska Regional Office, Juneau, Alaska.

SPECIALIZED TRAINING

Computer languages and software: SQL, GIS Applications (ESRI, R), Git/GitHub, R, C++, Markdown, WinBugs

Bayesian Disease Mapping: Spatial modeling week-long course – March 2017.

spatstat: An R package for analyzing spatial point patterns. 2015 Use R! Conference

Stock Synthesis. 10/2014. Juneau, Alaska

Advanced SQL. Webucator Inc. 2/2011.

AMSEA Vessel Safety/Cold Water Survival Course. 4/2011.

Media Training. Benschmidt Communications Group. 10/2010.

Two day course on National Environmental Policy Act. 2006

Fish Abundance Estimation Course. Alaska Department of Fish and Game. Nov 30-Dec 2, 2004

PUBLICATIONS

King, J., McFarlane G.A., Gertseva, **Gaspar J.**, Matson S., and Tribuzio C.A. 2017. Shark interactions with directed and incidental fisheries in the Northeast Pacific Ocean: Historic and current encounters, and challenges for shark conservation. In Introduction to Northeast Pacific Shark Biology, Ecology, and Conservation. Eds Lowry D. and Larson S.E. Adv Mar Biol. 2017:77:1-8 doi: 10.1016/bs.amb.2017.06.004.

Faunce, C., **J. Gaspar**, J. Cahalan, and R. Webster. 2016. Deployment performance review of the 2015 North Pacific Groundfish and halibut observer program. U.S. Dep. Commer., NOAA Tech Memo. NMFRS-AFSC-322. doi:10.7289/V5/TM-AFSC-322.

Cahalan, J., **J. Gaspar**, and J. Mondragon. 2015. Evaluation of Design-Based Estimators in the Federal Groundfish Fisheries off Alaska. In: G.H. Kruse, H.C. An, J. DiCosimo, C.A. Eischens, G.S. Gislason, D.N. McBride, C.S. Rose, and C.E. Siddon (eds.), Fisheries Bycatch: Global Issues and Creative Solutions. Alaska Sea Grant, University of Alaska Fairbanks. <http://doi.org/10.4027/fbgics.2015.09>

Faunce, C., **J. Gaspar**, J. Cahalan, S. Lowe, R. Webster, and T. A'mar. 2015. Deployment performance review of the 2014 North Pacific Groundfish and Halibut Observer Program. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-302, 55 p. doi:10.7289/V55M63NW

Cahalan, J., **Gaspar J.R.**, and J. Mondragon. 2014. Catch estimation in the Federal trawl fisheries off Alaska: A simulation approach to compare the statistical properties of the simple mean estimator, a deterministic imputation method, and the ratio estimator. *Canadian Journal of Fisheries and Aquatic Sciences* 72:1024-1036.

Faunce C., Cahalan J., **Gaspar J.R.**, A'mar T., Lowe S., Wallace F., and Webster R. 2014. Deployment performance review of the 2013 North Pacific Groundfish and Halibut Observer Program. *NOAA Tech. Memo.* NMFS-AFSC-281: 76 pp.

Cahalan, J., **J. R. Gaspar**, and J. Mondragon. 2014. Catch sampling and estimation in the Federal groundfish fisheries off Alaska: 2014 Edition. *NOAA Tech. Memo.* NMFS-AFSC-286. 46 pp.

Tribuzio C.A., **Gaspar J.R.**, and Gaichas S. 2014. Estimation of bycatch in the unobserved Pacific halibut fishery off Alaska. *NOAA Tech-Memo.* NMFS-AFSC-265.

Gaspar, J.R. and G.H. Kruse. 2013. Spatial modeling of the distribution of spiny dogfish (*Squalus acanthias*) in the Gulf of Alaska using generalized additive and generalized linear modeling techniques. *Canadian Journal of Fisheries and Aquatic Sciences* 70(9): 1372:1385.

Faunce C. H., Wallace F., Cahalan J., **Gaspar J.**, and M. Loefflad. 2013. Development of a statistically sound design for the deployment of fishery observers in Alaska. ICES Annual Science Conference. Reykjavik, Iceland.

Gaspar J.R., J. Watson, and J. Mondragon. 2011. Investigating weight loss in Pacific cod (*Gadus macrocephalus*) due to exsanguination. *NOAA Tech. Memo.* NMFS-AKRO-10.

Cahalan, J., J. Mondragon, **J. R. Gaspar**. 2010. Catch sampling and estimation in the Federal groundfish fisheries off Alaska. *NOAA Tech. Memo.* NMFS-AFSC-205. 51 pp.

- Gasper, J.R.**, Miller, M.L., Gallucci, V.F., Soiseth, C., 2007, The diffusion of fishery information in a charter boat fishery- Guide-client interactions in Gustavus, Alaska, *in* Piatt, J.F., and S.M. Gende, eds., *Proceedings of the Fourth Glacier Bay Science Symposium*, October 26–28, 2004: U.S. Geological Survey Scientific Investigations Report 2007-5047, p. 183-187.
- Gasper, J.R.**, V.F. Gallucci, M. Miller, J. Swanson, C. Soiseth, and D. Johnson. 2004. Sportfishing catch and harvest of Pacific halibut (*Hippoglossus stenolepis*) in Glacier Bay National Park, *in* Kruse, G.H., V.F. Gallucci, D.E. Hay, R.I. Perry, R.M. Peterman, T.C. Shirley, S.P. Spencer, B. Wilson, and D. Woodby. *Fisheries assessment and management in data-limited situations*. Alaska Sea Grant College Program, University of Alaska Fairbanks. AK-SG-05-02.

MAGAZINE AND BLOG PUBLICATIONS

- Fish Alaska. May 2013. A Journey to Middle Earth: Fishing and Floating the Kisaralik River, Alaska.
- Northwest Flyfishing. February 2014. Fishing and floating the Wulik River, Alaska.
- Juneau Flyfishing Goods. 2015. Eight tips for a great Alaska fishing trip.
- Le Mouching. 2013. Cindy and Jason go for jaws: Fly fishing for mako sharks off San Diego. Le Mouching
2012. My Argentine Mistress: Flyfishing for giant rainbows at Lago Strobel, Argentina.

RECENT SYMPOSIA AND PRESENTATIONS

- Gasper, J.** Use of R for fishery management in an Oracle production environment. 2018. Use R! Brisbane, Australia.
- Gasper, J.** and J. Mondragon. 2016. The good, the bad, and the ugly: the integration and use of technology in data management programs. World Fisheries Congress, Buson, South Korea.
- AKR Staff. 2015. Supplemental Environmental Analysis for restructuring the program for observer procurement and deployment in the North Pacific. North Pacific Fishery Management Council Scientific and Statistical Committee and Advisory Panel.
- Cahalan J., and **J. Gasper**. 2015. Variability in mean weight per fish: How much does it matter? Alaska Marine Science Symposium. Anchorage, Alaska.
- Gasper J.**, J. Cahalan. 2015. Catch sampling and estimation in federal groundfish fisheries. Alaska Marine Science Symposium. Anchorage, Alaska.
- Faunce C., and **Gasper J.** 2014. Annual Progress Report for the North Pacific Observer Program. Co-presentation to the North Pacific Fishery Management Council Scientific and Statistical Committee.
- Gasper J.**, Tribuzio C., and M. Furuness. 2014. Shifting a management paradigm: managing by numbers instead of weight for large species. 18th Western Groundfish Conference. Victoria, Canada.
- Fitzgerald S.M., Cahalan J., **Gasper J.**, and Mondragon J. 2014 Preliminary estimates of seabird bycatch in the Alaskan halibut longline fishery in 2013. Pacific Seabird Group 41st Annual Meeting.
- Gasper J.** 2013. Overview of accounting methodology in Alaska. Presentation for Korean science delegation. Busan, Korea.
- Fitzgerald S., Cahalan J., **Gasper J.**, Mondragon J. 2013. Preliminary estimates of seabird bycatch in the Alaskan halibut longline fishery in 2013 [Black-footed *Phoebastria nigripes* and Laysan *P. immutabilis* Albatrosses].
- Cahalan, J., J.R. **Gasper, J.** Mondragon. 2012. When is a ratio estimator not a ratio estimator? Evaluation of catch estimates for Alaska groundfish fisheries. American Statistical Society Conference on Statistical Practice. Orlando, Florida.
- Gasper, J.R.**, G.H. Kruse, J. Greenberg. 2010. The spatial distribution of spiny dogfish (*Squalus acanthias*) in the Gulf of Alaska: the use of fishery dependent data, fishery independent data, and

generalized modeling for the spatial management of catch and bycatch. International Council for the Exploration of the Seas Annual Meeting. Nantes, France.

Tribuzio, C.A., G.H. Kruse. 2010. The complexities of managing a complex: the case of assessing data limited sharks in the Gulf of Alaska. International Council for the Exploration of the Seas Annual Meeting. Nantes, France. (Presentation given for Dr. Tribuzio).

Gaspar, J.R., J. Cahalan, J. Mondragon. 2010. One size doesn't fit all: Spatial analysis of catch estimation in the North Pacific. International Council for the Exploration of the Sea symposium on fishery dependent information. Galway, Ireland.

AWARDS AND SCHOLARSHIPS

2016 Diamond Alum Award- Portland Community College

2014 NMFS Bronze Medal Award as team member for Observer Program Restructuring

2012 NMFS Alaska Region Employee of the Year

2002 Wendy Graham Memorial Scholarship

1998, 1999 Juneau Rotary Scholarship

2012 Alaska Sea Grant student expenses grant

CONTRIBUTING ANALYSIS

June 2018 Discussion Paper: GOA Tanner Crab

Oct 2016 Electronic Monitoring EA/RIR/IRFA.

Sept/Dec 2015 Annual Deployment Plan for the North Pacific Observer Program

June 2015 Supplement to the Environmental Assessment for Restructuring the Program for Observer Procurement and Deployment in the North Pacific

Sept/Dec 2014 Annual Deployment Plan for the North Pacific Observer Program

August 2014 Environmental Assessment/Regulatory Impact Review/Final Regulatory Flexibility Analysis for Amendments to the Fishery Management Plan for Groundfish of the Gulf of Alaska. Chinook Salmon Prohibited Species Catch in the Gulf of Alaska Non-pollock Trawl Fisheries (GOA Amendment 97)

July 2014 Environmental Assessment for proposed amendment 43 to the Fishery Management Plan for Bering Sea/Aleutian Islands King and Tanner Crabs and proposed amendment 103 to the Fishery Management Plan for Groundfish of the Bering Sea and Aleutian Islands To prevent overfishing and rebuild Pribilof Islands blue king crab

Sept/Dec 2013 Annual Deployment Plan for the North Pacific Observer Program

Sept/Dec 2012 Annual Deployment Plan for the North Pacific Observer Program

Sept. 2012 Regulatory Amendment for a Catch Sharing Plan For the Pacific Halibut Charter Sector and Commercial Setline Sector in International Pacific Halibut Commission Regulatory Area 2C and Area 3A Environmental Assessment/Regulatory Impact Review/Initial Regulatory Flexibility Analysis

Feb. 2012 Final Environmental Assessment/ Regulatory Impact Review/ Initial Regulatory Flexibility Analysis for Amendment 93 to the Fishery Management Plan for Groundfish of the Gulf of Alaska. Chinook Salmon Prohibited Species Catch in the Gulf of Alaska Pollock Fishery

Sept 2011 Regulatory Impact Review/Final Regulatory Analysis for a regulatory amendment to the Fishery Management Plan for Groundfish of the Bering Sea and Aleutian Islands Management Area. Chinook Salmon 'PSC' Data Collection Program

March 2011 Environmental Assessment/Regulatory Impact Review/Initial Regulatory Flexibility Analysis for Proposed Amendment 86 to the Fishery Management Plan for Groundfish

of the Bering sea/Aleutian Islands Management Area and Amendment 76 to the Fishery Management Plan for Groundfish of the Gulf of Alaska Restructuring the Program for Observer Procurement and Deployment in the North Pacific

- Dec. 2008 Final Bering Sea Chinook Salmon Management Environmental Impact Statement/Regulatory Impact Review (BSAI Amendment 91)
- April 2008 Environmental Assessment/Regulatory Impact Review/ Initial Regulatory Flexibility Analysis for a Regulatory Amendment to Limit Entry in the Halibut Charter Fisheries in IPHC Regulatory Areas 2C and 3A
- Feb. 2008 Environmental Assessment/Regulatory Impact Review/Final Regulatory Flexibility Analysis for a Regulatory Amendment to Repeal the Vessel Incentive Program
- April 2007 Regulatory Amendment to Modify the Halibut Bag Limit In the Halibut Charter Fisheries in IPHC Regulatory Area 2C
- Nov. 2007 Environmental Assessment/Regulatory Impact Review/Initial Regulatory Flexibility Analysis for a Regulatory Amendment to Implement Guideline Harvest Level Measures in the Halibut Charter Fisheries in International Pacific Halibut Commission Regulatory Area 2C
- Oct. 2006 Discussion paper on the implementation of an annual limit for charter anglers in IPHC Area 2C.
- June 2006 Environmental Assessment for the Issuance of an Exempted Fishing Permit to Test a Trawl Gear Modification to Reduce Bycatch Rates for Pacific Halibut in the Central Gulf of Alaska Pacific Cod Trawl.
- March 2006 Environmental Analysis for the issuance of an Exempted Fishing Permit to test new gear designed to harvest rockfish in the Gulf of Alaska, Southeast Outside District.