

Christopher E. Siddon

PERSONAL INFORMATION

Address: 4030 N. Douglas Hwy
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E-mail: chris.siddon@alaska.gov

Nationality: U.S. Citizen
Place of Birth: Massena, NY
Date of Birth: 24 September 1971

EDUCATION

Ph.D. Brown University, Dept. of Ecology and Evolutionary Biology, Providence, RI 2004
Advisor: Dr. Jon Witman
Thesis: Trait- and Density-Mediated Indirect Interactions in the New England Rocky Subtidal Zone.
Northeastern University, East/West Marine Biology Program, Boston, MA. 1994
Post-graduate year of intensive/experiential marine science education through classes and independent projects in Friday Harbor, WA; Discovery Bay, Jamaica; and Nahant, MA.
B.A. Hamilton College, Biochemistry and Molecular Biology, Clinton, NY 1993

PROFESSIONALEXPERIENCE

Chief Scientist for Marine Fisheries, Alaska Dept. of Fish and Game, Commercial Fisheries 2012-present
Direct and supervise fisheries research and stock assessments for all commercially harvested groundfish, herring, and invertebrate fisheries within the state of Alaska.

Shellfish Biometrician III, Alaska Dept. of Fish and Game, Commercial Fisheries 2008-2012
Responsible for stock assessments, new fisheries research, and scientific review of research projects for all commercial invertebrate fisheries in Southeast AK and all invertebrate dive fisheries throughout the State of Alaska.

Shellfish Biometrician II, Alaska Dept. of Fish and Game, Commercial Fisheries 2005-2008
Responsible for stock assessments and scientific review of research projects for all commercial invertebrate fisheries in Southeast AK.

Affiliate Faculty University of Alaska Fairbanks, College of Fisheries and Ocean Sciences 2011-present

Credit Faculty, Shoals Marine Laboratory: Cornell University and University of New Hampshire 2005-present

Adjunct Faculty University of Alaska Southeast 2007

Post-Doctoral Research Associate, UAF, College of Fisheries and Ocean Sciences 2004-2005
Advisor: Dr. Terrance J. Quinn II

Research Technician, University of Washington, Friday Harbor Laboratories 1994-1997

PROFESSIONAL SERVICE

Invited Speaker:

Marine Resource Education Program (MREP):
Interactions between State and Federal Fisheries, AK April 2023,2024

Boards and Committees:

North Pacific Fisheries Management Council (NPFMC): Science and Statistical Comm. 2020-present
Groundfish Plan Team 2012-2020

North Pacific Research Board (NPRB): Science Panel-reappointed 2023-present
Chair of Science Panel (2016-2020) Science Panel-term limit 2012-2020

Pollock Conservation Cooperative Research Center (PCCRC) Advisory Board 2020-present
Alaska SeaGrant: Advisory Panel 2016-present

Alaska Ocean Observing Systems (AOOS):

Board Member

2011-2019

Manuscripts reviewed for:

Ecology, The Canadian Journal of Fisheries and Aquatic Sciences, Canadian Journal of Zoology, Journal of Phycology, Marine Ecology Progress Series

Graduate Student Committees:

Daniel Okamoto (M.S. completed 2009)

Competition and recruitment in Southeast Alaskan subtidal kelp communities

Miranda Westphal (M.S. completed 2011)

Growth physiology of juvenile Red King Crab, *Paralithodes camtschaticus*, in Alaska

Courtney Lyons (Ph.D. completed 2015)

Examining Pribilof Island Blue King Crab recovery failure from social and ecological perspectives

Zac Hoyt (Ph.D. completed 2015)

Recolonization, prey selection, and resource competition by sea otters, *Enhydra lutris*, in southern southeast Alaska

Andrew Olson (M.S. completed 2016)

Spatial Variability in Size at Maturity and Reproductive Timing for Golden King Crab (*Lithodes aequispinus*) in Southeast Alaska

Madison Shipley (M.S. completed 2020)

Management Strategy Evaluation (MSE) of Bering Sea Tanner Crab, *Chionoecetes bairdi*.

Undergraduate Mentor:

Research Experience for Undergraduates (REU), Shoals Marine Laboratory (2000-2002), University of Alaska Southeast (2004, 2005).

EXTERNAL GRANT AWARDS

North Pacific Research Board

Stock Structure of Aleutian Island Golden King Crab

2015-2018

Comparison of Red King Crab Biomass Estimates

2010-2013

PEER- REVIEWED PUBLICATIONS

Siddeek, M., B. Daly, V. Vanek, J. Zheng, and **C. Siddon**. 2022. Length-based approaches to estimating natural mortality using tagging and fisheries data: The example of the eastern Aleutian Islands, Alaska golden king crab (*Lithodes aequispinus*). Fisheries Research. 251. <https://doi.org/10.1016/j.fishres.2022.106304>

Kaiser, B., M. Kourantidou, D Ahsan, S. Bakanev, A. Burmeister, G. Eckert, L. Fernandez, H. Hong, A. Monsalve, D. Mullowney, B. Nostvold, H. Park, E. Poulsen, L. Ravn-Jonsen, **C. Siddon**, J. Sundet, K. Tokunaga, and M. Yamamoto. 2021. Global ecological and economic connections in Arctic and sub-Arctic crab markets. Marine Policy.127. <https://doi.org/10.1016/j.marpol.2021.104442>

Olson, A., **C. Siddon**, and G. Eckert. (2018). Spatial Variability in Size at Maturity of Golden King Crab (*Lithodes aequispinus*) and Implications for Fisheries Management. Royal Society Open Science. <https://doi.org/10.1098/rsos.171802>

Siddon, C.E., J.A. Bednarski. 2010. Variation in size at maturity of Tanner crab in southeastern Alaska. In: G.H. Kruse, G.L. Eckert, R.J. Foy, R.N. Lipcius, B. Sainte-Marie, D.L. Stram, and D. Woodby (eds), Biology and Management of Exploited Crab Populations under Climate Change. Alaska Sea Grant College Program, University of Alaska, Fairbanks.

Bednarski, J.A., **C.E. Siddon**, G.H. Bishop, and J.F. Morado. 2010. Overview of bitter crab disease in Tanner crabs, *Chionoecetes bairdi*, in Southeast Alaska from 2001 to 2008. In: G.H. Kruse, G.L. Eckert, R.J. Foy, R.N. Lipcius, B. Sainte-Marie, D.L. Stram, and D. Woodby (eds), Biology and Management of Exploited Crab Populations under Climate Change. Alaska Sea Grant College Program, University of Alaska, Fairbanks.

Bishop, G.H., **C.E. Siddon**, and J.M. Rumble. 2010. Change-in-ratio and Index-Removal Population Estimation of

Dungeness Crab in Southeastern Alaska. In: G.H. Kruse, G.L. Eckert, R.J. Foy, R.N. Lipcius, B. Sainte- Marie, D.L. Stram, and D. Woodby (eds), *Biology and Management of Exploited Crab Populations under Climate Change*. Alaska Sea Grant College Program, University of Alaska, Fairbanks.

Siddon, E.C., **C.E. Siddon**, and M.S. Steckoll. 2008. Community level effects of *Nereocystis leutkeana* in southeastern Alaska. *JEMBE*. 361(1):8-15.

Siddon, C.E. and J.D. Witman. 2004. Behavioral indirect interactions: multiple predators and prey switching in the shallow rocky subtidal. *Ecology*. 85(11):2938-2

Siddon, C.E. and J.D. Witman. 2003. Influence of chronic, low-level hydrodynamic forces on subtidal community structure. *Marine Ecology-Progress Series*. 261:99-110.

Eckman, J.E., D.O. Duggins, and **C.E. Siddon**. 2003. Current and wave dynamics in the shallow subtidal region of the San Juan archipelago, Washington (U.S.A.): Implications to the ecology of understory and surface- canopy kelps. *Marine Ecology-Progress Series*. 265:45-56.

Duggins, D. O., J.E. Eckman, **C.E. Siddon** and T. Klinger. 2003. Population, morphometric and biomechanical studies of three understory kelps along a hydrodynamic gradient. *Marine Ecology-Progress Series*. 265:57- 76.

Bruno, J.F., **C.E. Siddon** and J.D. Witman. 2001. El Niño related coral bleaching in Palau, Western Caroline Islands. *Coral Reefs*. 20: 127-136.

Duggins, D. O., J.E. Eckman, **C.E. Siddon** and T. Klinger. 2001. The interactive roles of mesograzers and flow on survival of kelps. *Marine Ecology-Progress Series*. 223: 143-155.

OTHER PUBLICATIONS

Siddeek, M., J. Zheng, **C. Siddon**, B. Daly, M.J. Westphal, and L. Hulbert. 2022. Aleutian Island Golden King Crab. North Pacific Fishery Management Council (NPFMC). Stock Assessment and Fishery Evaluation (SAFE) Report. [DownloadFile \(npfmc.org\)](#)

Siddeek, M., J. Zheng, **C. Siddon**, B. Daly, M.J. Westphal, and L. Hulbert. 2022. Aleutian Island Golden King Crab. North Pacific Fishery Management Council (NPFMC). Stock Assessment and Fishery Evaluation (SAFE) Report. [Aleutian Islands Golden King Crab SAFE May 2021 \(npfmc.org\)](#)

Siddon, C., Q. Smith, K. McNeel, D. Oxman, and K. Goldman. 2017. Protocol for estimating age of weathervane scallops *Patinopecten caurinus* in Alaska. Alaska Department of Fish and Game, Special Publication No. 17-07, Anchorage.

Hilsinger, J., **C. Siddon**, and L. Hulbert. 2016. Cooperative red king crab survey in the Adak area, 2015. Alaska Department of Fish and Game, Fishery Data Series No. 16-18, Anchorage.

Bishop, G., **C. Siddon**, and A. Olson. 2013. Southeast Alaska Tanner crab survey and stock health report prior to the 2011/12 season. Alaska Department of Fish and Game, Regional Information Report 1J11-11, Douglas.

Stratman, J., G. Bishop, A. Messmer and **C. Siddon**. 2011. 2012 Report to the Alaska Board of Fisheries on Southeast Alaska/Yakutat Tanner crab fisheries. Alaska Department of Fish and Game, Fishery Management Report No. 11-57, Anchorage.

Rumble, J. and **C. Siddon**. 2011. Southeast Alaska 2009 geoduck stock assessment. Alaska Department of Fish and Game, Fishery Data Series No. 11-37, Anchorage.

Bishop, G., Q. Smith, and **C. Siddon**. 2011. Southeast Alaska Tanner crab survey and stock health report prior to the 2010/11 season. Alaska Department of Fish and Game, Regional Information Report 1J11-11, Douglas.

Messmer, A., G. Bishop, J. Bednarski, **Siddon, C.**, and A. Olson. 2010. 2010. Southeast Alaska golden king crab onboard observer program methods. Alaska Department of Fish and Game, Division of Commercial Fisheries,

Regional Information Report 1J10-17, Douglas.

Siddon, C., J. Bednarski, and G. Bishop. 2009. Southeast Alaska Tanner Crab 2006 Stock Assessment and Recommendations for the 2007 Commercial Fishery. Alaska Department of Fish and Game. Fishery Data Series.

Bishop G., **C. Siddon**, and J. Bednarski. 2009. Stock status of pot shrimp in Southeast Alaska prior to the 2008-09 season. Alaska Department of Fish and Game, Fisheries Data Series 09-46, Anchorage.

Rumble, J., **C. Siddon**, and G. Bishop. 2008. Southeast Alaska Tanner Crab Soak Time Experiment. Alaska Department of Fish and Game. Fishery Data Series No. 08-55. 24 pp.

Bednarski, J., G. Bishop and **C. Siddon**. 2008. Tanner crab pot survey methods for Southeast Alaska. Alaska Department of Fish and Game, Regional Information Report Series No. 1J08-02, Juneau, Alaska.

Hebert, K., W. Davidson, J. Stratman, K. Bush, G. Bishop, C. Siddon, J. Bednarski, A. Messmer, and K. Wood. 2008. 2009 Report to the Alaska Board of Fisheries on Region 1 shrimp, crab and scallop fisheries. Alaska Department of Fish and Game, Fishery Management Report No. 08-62, Anchorage.

Siddon, C. 2007. Evaluation of the Southeastern Alaska geoduck (*Panopea abrupta*) stock assessment methodologies. Alaska Department of Fish and Game, Special Publication No. 07-02, Anchorage.

