

Publications in review (Underlined authors denote students):

- Alabia, I., Molinos, J.G., Saitoh, S.-I., Hirata, T., Hirawake, T., **Mueter, F.J.** (In Revision) Multiple facets of marine biodiversity in the Pacific Arctic under future climate. *Science of the Total Environment*.
- Brown, K.L., Atkinson, S., Furin, C.G., **Mueter, F.J.**, Gerlach, R. (In Review) Metals in the stomach contents and brain, gonad, kidney, and liver tissues of subsistence-harvested northern sea otters (*Enhydra lutris kenyoni*) from Icy Strait, Alaska. *Marine Pollution Bulletin*.
- Deary, A.L., Vestfals, C.D., Logerwell, E.A., Goldstein, E.D., Stabeno, P.J., Danielson, S.L., **Mueter, F.J.**, Duffy-Anderson, J.T. (In Revision) Seasonal abundance, distribution, and growth of the early life stages of Polar Cod (*Boreogadus saida*) and Saffron Cod (*Eleginus gracilis*) in the US Arctic during a warm year. *Polar Biology*.
- Grebmeier, J.M., Huntington, H.P., **Mueter, F.J.**, Pulsifer, P. (In Revision) A step-wise progression to fisheries ecosystem science in the central arctic ocean. *Marine Policy*.
- Levine, R., De Robertis, A., Grünbaum, D., Woodgate, R., Mordy, C., **Mueter, F.**, Cokelet, E., Lawrence-Slavas, N., Tabisola, H. (In Review) Repeat autonomous vehicle surveys indicate that age-0 Arctic cod are largely retained over the Chukchi Sea shelf in summer 2018. *Limnology and Oceanography*.
- Marsh, J.M., **Mueter, F.J.**, Thorson, J.T., Britt, L., Zador, S. (In Revision) Sidebar: Shifting fish distributions in the Bering Sea. In: Richter-Menge, J., Druckenmiller, M. (eds). *State of the Climate 2019: The Arctic, Supplement to the Bulletin of the American Meteorological Society*.
- Sutton L., Bluhm, B.A., **Mueter, F.J.**, Iken, K. (In Review) A functional diversity comparison of two Alaskan Arctic shelf epibenthic communities. *Marine Ecology Progress Series*.
- Vestfals C.D., **Mueter F.J.**, Hedstrom K.S., Laurel B.J., Petrik C.M., Duffy-Anderson J.T., Danielson S.L. (In Review). Modeling the dispersal of polar cod (*Boreogadus saida*) and saffron cod (*Eleginus gracilis*) early life stages in the Pacific Arctic using a biophysical transport model. *Progress in Oceanography*.

Publications in Press

100. Wild, L.A., **Mueter, F.J.**, Witteveen, B.H., and Straley, J.M. (In Press). Exploring variability in the diet of depredating sperm whales in the Gulf of Alaska through stable isotope analysis. *Royal Society Open Science*
99. Barnes, C.L., Beaudreau, A.H., Dorn, M.W., Holsman, K.H., **Mueter, F.J.** (In Press) Development of a predation index to assess trophic stability in the Gulf of Alaska. *Ecological Applications*.
98. Forster, C., Norcross, B., **Mueter, F.**, Seitz, A., Logerwell, L. (In Press) Spatial patterns, environmental correlates, and potential seasonal migration triangle of polar cod (*Boreogadus saida*) distribution in the Chukchi and Beaufort seas. *Polar Biology*.

97. Spencer, M.L., Vestfals, C.D., **Mueter, F.J.**, Laurel, B.J. (In Press) Ontogenetic changes in the buoyancy and salinity tolerance of eggs and larvae of polar cod (*Boreogadus saida*) and other gadids. *Polar Biology*. doi: 10.1007/s00300-020-02620-7
96. Marsh, J.M., **Mueter, F.J.** (In Press) Influences of temperature, predators and competitors on Arctic cod (*Boreogadus saida*) at the southern margin of their distribution. *Polar Biology*. doi: 10.1007/s00300-019-02575-4
95. Marsh, J.M., **Mueter, F.J.**, Quinn II, T.J. (In Press) Environmental and biological influences on the distribution and population dynamics of Arctic cod (*Boreogadus saida*) in the US Chukchi Sea. *Polar Biology*. doi: 10.1007/s00300-019-02561-w
94. Nielsen, J., Mueter, F., Adkison, M., Loher, T., McDermott, S., Seitz, A. (In Press) Potential utility of geomagnetic data for geolocation of demersal fishes in the North Pacific Ocean. *Animal Biotelemetry*
93. Olsen, D.W., Matkin, C.O., **Mueter, F.J.**, Atkinson, S. (In Press) Social Behavior Increases in Multi-Pod Aggregations of southern Alaska Resident Killer Whales (*Orcinus orca*). *Marine Mammal Science*.
92. Smé, N., Lyon, S., **Mueter, F.J.**, Brykov, V., Sakurai, Y., Gharrett, A.J. (In Press) Examination of saffron cod *Eleginus gracilis* (Tilesius 1810) population genetic structure. *Polar Biology*. doi: 10.1007/s00300-019-02601-5

Peer-reviewed publications (including book chapters)

91. Uchiyama, T., **Mueter, F.J.**, Kruse, G.H. (2020). Multispecies biomass dynamics models reveal effects of ocean temperature on predation of juvenile pollock in the Eastern Bering Sea. *Fisheries Oceanography* 29: 10-22. doi: 10.1111/fog.12433
90. Schuler, A., Piwetz, S., Di Clemente, J., Steckler, D., **Mueter, F.J.**, Pearson, H.C. (2019). Humpback whale movements and behavior in response to whale watching vessels in Juneau, AK. *Frontiers in Marine Science* 6: 710.
89. Vestfals, C.D., **Mueter, F.J.**, Duffy-Anderson, J.T., Busby, M.S., De Robertis, A. (2019). Distribution of early life stages of Arctic cod and saffron cod in the Pacific Arctic. *Polar Biology* 42: 969-990. doi: 10.1007/s00300-019-02494-4
88. Divine, L.M., **Mueter, F.J.**, Kruse, G.H., Bluhm, B.A., Jewett, S.C., Iken, K. (2019) New estimates of growth, size-at-maturity, fecundity, mortality and biomass of snow crab, *Chionoecetes opilio*, in the Arctic Ocean off Alaska. *Fisheries Research* 218: 246-258. doi: 10.1016/j.fishres.2019.05.002
87. Kohan, M.L., **Mueter, F.J.**, Orsi, J.A., McPhee, M.V. (2019). Variation in size, condition, and abundance of juvenile chum salmon (*Oncorhynchus keta*) in relation to marine factors in Southeast Alaska. *Deep Sea Research Part II: Topical Studies in Oceanography* 165: 340-347. doi: 10.1016/j.dsr2.2017.09.005
86. Iken, K., **Mueter, F.J.**, Grebmeier, J.M., Cooper, L.W., Danielson, S, Bluhm, B. (2019) Developing an observational design for epibenthos and fish assemblages in the Chukchi Sea. *Deep-Sea Research II* 162: 180-190. doi: 10.1016/j.dsr2.2018.11.005

85. Nielsen, J., **Mueter, F.J.**, Adkison, M.A., Loher, T., McDermott, S., Seitz, A. (2019). Effect of study area bathymetric heterogeneity on parameterization and performance of a depth-based geolocation model for demersal fishes. *Ecological Modeling* 402: 18-32.
84. Sullivan, J.Y., Kruse, G.H., **Mueter, F.J.** (2018). Do Environmental and Ecological Conditions Explain Declines in Size-at-age of Pacific Halibut in the Gulf of Alaska? *In*: Mueter, F., Baker, M., Dressel, S., Hollowed, A. (eds.). *Impacts of a Changing Environment on the Dynamics of High-latitude Fish and Fisheries*. Alaska Sea Grant, University of Alaska Fairbanks.
83. Holsman, K., Ito, S.-I., Hollowed, A., Bograd, S., Hazen, E., King, J., **Mueter, F.**, Perry, I. (2018). Chapter 6: The North Pacific & Pacific Arctic. *In*: Barange, M., Bahri, T., Beveridge, M.C.M., Cochrane, K.L., Funge-Smith, S., and Poulain, F. (eds.) *Impacts of climate change on fisheries and aquaculture: synthesis of current knowledge, adaptation and mitigation options*. FAO Fisheries and Aquaculture Technical Paper No. 627, Rome.
82. Wild, L.A., Chenoweth, E.M., **Mueter, F.J.**, Straley, J.M. (2018). Evidence for dietary time series in layers of cetacean skin using stable carbon and nitrogen isotope ratios. *Rapid Communications in Mass Spectrometry* 32(16): 1425-1438. doi: 10.1002/rcm.8168
81. Watson, J.T., Haynie, A.C., Sullivan, P.J., Perruso, L., O'Farrell, S., Sanchirico, J.N., **Mueter, F.J.**, (2018). Vessel monitoring systems (VMS) reveal an increase in fishing efficiency following regulatory changes in a demersal longline fishery. *Fisheries Research* 207: 85-94. doi: 10.1016/j.fishres.2018.06.006
80. Alabia I., D., García Molinos, J., Saitoh, S.I., Hirawake, T., Hirata, T., **Mueter F.J.**, (2018). Distribution shifts of marine taxa in the Pacific Arctic under contemporary climate changes. *Diversity and Distributions* 24: 1583-1597. doi: 10.1111/ddi.12788
79. Sewall, F., Norcross, B., **Mueter, F.**, Heintz, R. (2018). Empirically based models of oceanographic and biological influences on Pacific Herring recruitment in Prince William Sound. *Deep Sea Research Part II: Topical Studies in Oceanography* 147: 127-137. doi: 10.1016/j.dsr2.2017.07.004
78. Foley, K., Rosenberger, A., **Mueter, F.J.** (2018). Longitudinal patterns of juvenile Coho Salmon distribution and abundance in headwater streams of the Little Susitna River, Alaska. *Transactions of the American Fisheries Society*. 147(2): 247-264.
77. Sme, N., Lyon, S., Canino, M., Chernova, N., O'Bryhim, J., Lance, S., Jones, K., **Mueter, F.**, Gharrett, A. (2018). Identification of saffron cod (*Eleginus gracilis*) and its distinction from several other gadid species by microsatellite differences. *Fishery Bulletin* 116: 60-68. doi: 10.7755/FB.116.1.6
76. Van Pelt, T.I., Huntington, H.P., Romanenko, O.V., **Mueter, F.J.**, (2017). The missing middle: Central Arctic Ocean gaps in fishery research and science coordination. *Marine Policy* 85: 79-86, doi: 10.1016/j.marpol.2017.08.008
75. Coutré, K.M., Beaudreau, A.H., Courtney, D., **Mueter, F.J.**, Malecha, P., Rutecki, T.L. (2017). Vertical movement patterns of juvenile Sablefish in coastal Southeast Alaska. *Marine and Coastal Fisheries* 9: 161-169, doi: 10.1080/19425120.2017.1285377

74. Malick M.J., Cox S.P., **Mueter F.J.**, Dorner, B., Peterman, R.M. (2017). Effects of the North Pacific Current on the productivity of 163 Pacific salmon stocks. *Fisheries Oceanography* 26(3): 268-281, doi: 10.1111/fog.12190
73. Divine, L.M., Bluhm B.A., **Mueter, F.J.**, Iken K. (2017). Diet analysis of Alaska Arctic snow crabs (*Chionoecetes opilio*) using stomach contents and $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ stable isotopes. *Deep Sea Research II* 135: 124-136, doi: 10.1016/j.dsr2.2015.11.009
72. Marsh, J.M., **Mueter, F.J.**, Iken, K., Danielson, S. (2017). Ontogenetic and spatial variation in trophic roles of Chukchi Sea fishes. *Deep Sea Research II* 135: 78-94, doi: 10.1016/j.dsr2.2016.07.010
71. Sigler, M.F., **Mueter, F.J.**, Bluhm, B.A., Busby, M.S., Cokelet, E.D., Danielson, S.L., De Robertis, A., Eisner, L.B., Farley, E.V., Iken, K., Kuletz, K.J., Lauth, R.R., Logerwell, E.A., and Pinchuk, A.I. (2017). Summer zoogeography of the northern Bering and Chukchi seas *Deep Sea Research II* 135: 168-189, doi: 10.1016/j.dsr2.2016.03.005
70. **Mueter, F.J.**, Weems, J., Farley, E.V., Sigler, M.F. (2017) Arctic Ecosystem Integrated Survey (Arctic Eis): Marine ecosystem dynamics in the rapidly changing Pacific Arctic Gateway. *Deep Sea Research II* 135: 1-6. doi: 10.1016/j.dsr2.2016.11.005
69. von Biela, V.R., Zimmerman, C.E., Kruse, G.H., **Mueter, F.J.**, Black, B.A., Douglas, D.C., Bodkin, J.L. (2016). Influence of basin- and local-scale conditions on nearshore production in the northeast Pacific Ocean. *Marine and Coastal Fisheries*. *Marine and Coastal Fisheries* 8: 502-521, doi: 10.1080/19425120.2016.1194919
68. Arimitsu, M.L., Piatt, J.F., **Mueter, F.J.** (2016). Influence of glacier runoff on ecosystem structure in Gulf of Alaska fjords. *Marine Ecology Progress Series* 560: 19-40, doi: 10.3354/meps11888
67. Kvamsdal, S.F., Eide, A., Ekerhovd, N.-A., Enberg, K., Gudmundsdottir, A., Hoel, A.H., Mills, K.E., **Mueter, F.J.**, Ravn-Jensen, L., Sandal, L.K., Stiansen, J.E., Vestergaard, N. (2016). Harvest Control Rules in Modern Fisheries Management. *Elementa: Science for the Anthropocene* 4: 000114, doi: 10.12952/journal.elementa.000114
66. **Mueter, F. J.**, Nahrgang, J., Nelson, R.J., Berge, J. (2016). The ecology of gadid fishes in the circumpolar Arctic with a special emphasis on the polar cod (*Boreogadus saida*). *Polar Biology* 39: 961-967, doi: 10.1007/s00300-016-1965-3
65. Yasumiishi, E.M., Criddle, K.R., Helle, J.H., Hillgruber, N., **Mueter, F.J.** (2016). Growth of two chum salmon (*Oncorhynchus keta*) populations from southeast Alaska and Washington in relation to population abundance and climate in the eastern North Pacific Ocean, 1972-2004. *Fishery Bulletin* 114: 203-219.
64. Sergeant, C.J., Starkey, E., Bartz, K., Wilson, M., Larsen, A., **Mueter, F.J.** (2016). A practitioner's guide for exploring water quality patterns using Principal Components Analysis and Procrustes. *Environmental Monitoring and Assessment* 188: 249. doi: 10.1007/s10661-016-5253-z
63. Petrik, C.M., Duffy-Anderson, J.T., Castruccio, F., Curchitser, E.N., Danielson, S., Hedstrom, K., **Mueter, F.** (2016). Modeled connectivity between Walleye Pollock (*Gadus chalcogrammus*) spawning and age-0 nursery areas in warm and cold years with

- implications for juvenile survival. *ICES Journal of Marine Science* 73: 1890-1900, doi: 10.1093/icesjms/fsw004
62. Spencer, P.D., Holsman, K.K., Zador, S., Bond, N.A., **Mueter, F.J.**, Hollowed, A.B., and Ianelli, J.N. (2016) Modeling spatially-dependent predation mortality of eastern Bering Sea walleye pollock, and its implications for stock dynamics under future climate scenarios. *ICES Journal of Marine Science* 73(5): 1330-1342, doi: 10.1093/icesjms/fsw040
61. Hunt Jr, G.L., Drinkwater, K.F., Arrigo, K., Berge, J., Daly, K.L., Danielson, S., Daase, M., Hop, H., Isla, E., Karnovsky, N., Laidre, K., **Mueter, F.J.**, Murphy, E.J., Renaud, P.E., Smith Jr, W.O., Trathan, P., Turner, J., Wolf-Gladrow, D. (2016). Advection in polar and sub-polar environments: Impacts on high latitude marine ecosystems. *Progress in Oceanography* 149, 40-81, doi: 10.1016/j.pocean.2016.10.004
60. Uchiyama, T., Kruse, G.H., **Mueter, F.J.** (2016). A multispecies biomass dynamics model for investigating predator-prey interactions in the Bering Sea groundfish community. *Deep Sea Research II* 134, 331-349. doi: 10.1016/j.dsr2.2015.04.019
59. Coffin, B. and **Mueter F.J.** (2016). Environmental covariates of sablefish (*Anoplopoma fimbria*) and Pacific ocean perch (*Sebastes alutus*) recruitment in the Gulf of Alaska. *Deep Sea Research II* 132:194-209. doi: 10.1016/j.dsr2.2015.02.016
58. Foley, K., Rosenberger, A., Mueter, F., (2015). Effectiveness of single-pass backpack electrofishing to estimate juvenile coho salmon abundance in Alaskan headwater streams. *Fisheries Science* 81: 601-610.
57. Yasumiishi, E.M., Criddle, K.R., Hillgruber, N., **Mueter, F.J.**, Helle, J.H. (2015). Chum salmon (*Oncorhynchus keta*) growth and temperature indices as indicators for the year class strength of age-1 pollock (*Theragra chalcogramma*) in the eastern Bering Sea. *Fisheries Oceanography* 24(3): 242-256. doi: 10.1111/fog.12108
56. von Biela, V.R., Kruse, G.H., **Mueter, F.J.**, Black, B.A., Douglas, D.C., Helser, T.E., and Zimmerman C.E. (2015). Evidence of bottom-up limitations in nearshore marine systems based on otolith proxies of fish growth. *Marine Biology* 162, 1019-1031. doi: 10.1007/s00227-015-2645-5
55. Malick, M.J., Cox, S.P., **Mueter, F.J.**, Peterman, R.M. (2015). Linking phytoplankton phenology to salmon productivity along a north/south gradient in the Northeast Pacific Ocean. *Canadian Journal of Fisheries and Aquatic Sciences* 72(5): 697-708. doi: 10.1139/cjfas-2014-0298
54. Petrik, C.M., Duffy-Anderson, J.T., **Mueter, F.**, Hedstrom, K., and Curchitser, E.N. (2015). Biophysical transport model suggests climate variability determines distribution of walleye pollock early life stages in the Eastern Bering Sea through effects on spawning. *Progress in Oceanography* 138: 459-474. doi: 10.1016/j.pocean.2014.06.004
53. Strasburger, W.W., Hillgruber, N., Pinchuk, A.I., and **Mueter, F.J.** (2014). Feeding ecology of age-0 walleye pollock (*Theragra chalcogramma*) and Pacific cod (*Gadus macrocephalus*) in the southeastern Bering Sea. *Deep Sea Research II* 109: 172-180. doi: 10.1016/j.dsr2.2013.10.007

52. Sigler, M.F., Stabeno, P.J., Eisner, L.B., Napp, J.M., and **Mueter, F.J.** (2014). Spring and fall phytoplankton blooms in a productive subarctic ecosystem, the eastern Bering Sea, during 1995-2011. *Deep Sea Research II* 109: 71-83. doi: 10.1016/j.dsr2.2013.12.007
51. Peterson, M.J., **Mueter, F.J.**, Criddle, K., and Haynie, A.C. (2014). Costs incurred by Alaskan sablefish, Pacific halibut and Greenland turbot longliners due to killer whale depredation. *PLoS ONE* 9:e88906.
50. Litzow, M.A., **Mueter, F.J.**, and Hobday, A.J. (2014). Reassessing regime shifts in the North Pacific: incremental climate change and commercial fishing are necessary for explaining decadal-scale biological variability. *Global Change Biology* 20(1): 38-50, doi: 10.1111/gcb.12373.
49. Litzow, M.A., and **Mueter, F.J.** (2014). Assessing the ecological importance of climate regime shifts: an approach from the North Pacific Ocean. *Progress in Oceanography* 120: 110-119, doi: 10.1016/j.pocean.2013.08.003
48. **Mueter, F.J.**, Reist, J.D., Majewski, A.R., Sawatzky, C.D., Christiansen, J.S., Hedges, K.J., Coad, B.W., Karamushko, O.V., Lauth, R.R., Lynghammar, A., MacPhee, S.A. and Mecklenburg, C.W. (2013). Marine Fishes of the Arctic. In Jeffries, M.O., Richter-Menge, J.A., and Overland, J.E., editors. Arctic Report Card 2013. Department of Commerce, NOAA, <http://www.arctic.noaa.gov/reportcard>.
47. Siddon, E.C., Kristiansen, T., **Mueter, F.J.**, Holsman, K.K., Heintz, R.A., and Farley, E.V. (2013). Spatial match-mismatch between juvenile fish and prey explains recruitment variability across contrasting climate conditions in the eastern Bering Sea. *PLoS ONE* 8(12): e84526.
46. Zimmerman, C.E., Ramey, A.M., M.Turner, S., **Mueter, F.J.**, Murphy, S.M., and Nielsen, J.L. (2013). Genetics, recruitment, and migration patterns of Arctic Cisco (*Coregonus autumnalis*) in the Colville River, Alaska and Mackenzie River, Canada. *Polar Biology* 36(11): 1543-1555.
45. Waite, J.N., and **Mueter, F.J.** (2013). Spatial and temporal variability of chlorophyll a concentrations in the coastal Gulf of Alaska waters, 1998-2011, using cloud-free reconstructions of SeaWiFS and MODIS data. *Progress in Oceanography* 116: 179-192.
44. Hollowed, A.B., Barange, M., Beamish, R., Brander, K., Cochrane, K., Drinkwater, K., Foreman, M., Hare, J., Holt, J., Ito, S.-i., Kim, S., King, J., Loeng, H., MacKenzie, B., **Mueter, F.**, Okey, T., Peck, M.A., Radchenko, V., Rice, J., Schirripa, M., Yatsu, A., and Yamanaka, Y. (2013). Projected Impacts of Climate Change on Marine Fish and Fisheries. *ICES Journal of Marine Science* 70(5): 1023-1037.
43. Agler, B.A., Ruggerone, G., Wilson, L.I., and **Mueter, F.J.** (2013). Historical growth of Bristol Bay and Yukon River, Alaska chum salmon (*Oncorhynchus keta*) in relation to climate and inter-and intraspecific competition. *Deep Sea Research Part II: Topical Studies in Oceanography* 94: 165-177.
42. Peterson, M.J., **Mueter, F.J.**, Hanselman, D., Lunsford, C., Matkin, C., and Fearnbach, H. (2013). Killer whale (*Orcinus orca*) depredation effects on catch rates of six groundfish species: Implications for commercial longline fisheries in Alaska. *ICES Journal of Marine Science* 70(6): 1220-1232.

41. Litzow, M.A., **Mueter, F.J.**, and Urban, J.D. (2013). Rising catch variability preceded historical fisheries collapses in Alaska. *Ecological Applications* 23(6): 1475-1487.
40. Siddon, E.C., Heintz, R.A., **Mueter, F.J.** (2013). Conceptual model of energy allocation in walleye pollock (*Theragra chalcogramma*) from age-0 to age-1 in the southeastern Bering Sea. *Deep Sea Research Part II* 94: 140-149.
39. **Mueter, F.J.**, Dawe, E.G., and Pálsson, Ó. (2012). Effects of climate and predation on subarctic crustacean populations. *Marine Ecology Progress Series* 469: 191-193.
38. Marcello L.A., **Mueter F.J.**, Dawe EG, and Moriyasu M. (2012) Effects of temperature and gadid predation on snow crab recruitment: Comparisons between the Bering Sea and Atlantic Canada. *Marine Ecology Progress Series* 469: 249-261.
37. Bundy, A., Bohaboy, E.C., Hjermann, D.O., **Mueter, F.J.**, Fu, C., and Link, J.S. (2012). Common patterns, common drivers: comparative analysis of aggregate surplus production across ecosystems. *Marine Ecology Progress Series* 459: 203-218.
36. Renner, H.M., **Mueter, F.J.**, Drummond, B.A., Warzybok, J.A., and Sinclair, E.H. (2012). Patterns of change in diets of two piscivorous seabird species during 35 years in the Pribilof Islands. *Deep Sea Research Part II* 65-70: 273-291.
35. **Mueter, F.J.**, Siddon, E.C., and Hunt Jr., G.L. (2011). Climate change brings uncertain future for subarctic marine ecosystems and fisheries. Pages 329-357 in A. L. Lovecraft and H. Eicken, editors. North by 2020: Perspectives on Alaska's Changing Social-Ecological Systems. University of Alaska Press, Fairbanks.
34. Hunt Jr., G.L., Coyle, K.O., Eisner, L.B., Farley, E.V., Heintz, R.A., **Mueter, F.**, Napp, J.M., Overland, J.E., Ressler, P.H., Salo, S., and Stabeno, P.J. (2011) Climate impacts on eastern Bering Sea food webs: A synthesis of new data and an assessment of the Oscillating Control Hypothesis. *ICES Journal of Marine Science* 68(6): 1230-1243.
33. Ianelli, J.N., Hollowed, A.B., Haynie, A.C., **Mueter, F.J.**, and Bond, N.A. (2011). Evaluating management strategies for Eastern Bering Sea walleye pollock (*Theragra chalcogramma*) in a changing environment. *ICES Journal of Marine Science* 68(6): 1297-1304.
32. Siddon, E. C., Duffy-Anderson, J. T., and **Mueter, F. J.** (2011). Community-level response of fish larvae to environmental variability in the southeastern Bering Sea. *Marine Ecology Progress Series* 426: 225-239.
31. **Mueter, F.J.**, Bond, N.A., Ianelli, J.N., and Hollowed, A.B. (2011). Expected declines in recruitment of walleye pollock (*Theragra chalcogramma*) in the eastern Bering Sea under future climate change. *ICES Journal of Marine Science* 68(6): 1284-1296.
30. Coyle, K.O., Eisner, L.B., **Mueter, F.J.**, Pinchuk, A., Janout, M.A., Ciciel, K., Farley, E.V., and Andrews, A.G. (2011). Climate change in the southeastern Bering Sea: impacts on pollock stocks and implications for the Oscillating Control Hypothesis. *Fisheries Oceanography* 20(2): 139–156.
29. **Mueter, F.J.**, Broms, C., Drinkwater, K.F., Friedland, K.D., Hare, J.A., Hunt Jr., G.L., Melle, W., & Taylor, M. (2009). Ecosystem responses to recent oceanographic variability

- in high-latitude Northern Hemisphere ecosystems. *Progress in Oceanography* **81**: 93-110.
28. Drinkwater, K., **Mueter, F.J.**, Friedland, K., Taylor, M., Hunt, G., Hare, J., Melle, W., and Broms Årnes, C., (2009). Comparison of 4 Northern Hemisphere regions: Physical oceanographic responses to recent climate variability. *Progress in Oceanography* **81**: 10-28.
27. Link, J.S., Stockhausen, W., Skaret, G., Overholtz, W., Megrey, B.A., Gjørseter, H., Gaichas, S., Dommasnes, A., Falk-Petersen, J., Kane, J., **Mueter, F.**, Friedland, K., and Hare, J. (2009). A comparison of biological trends from four marine ecosystems: synchronies, differences, and commonalities. *Progress in Oceanography* **81**: 29-46.
26. North, E.W. and **Mueter, F.J.** (2009). Marine science with global vision: creating a place for early career scientists. An introduction to selected articles from the 2007 Early Career Scientists Conference. *ICES Journal of Marine Science* **66**: 334-335.
25. Peterman, R.M., Pyper, B.J., **Mueter, F.J.**, Haeseker, S.L., Su, Z., and Dorner, B. (2009). Statistical models of Pacific salmon that include environmental variables and habitat capacity. In *Pacific Salmon Environment and Life History Models*. Edited by E. Knudson, H. Michael, and C. Steward. American Fisheries Society Symposium 71, Bethesda, Maryland, pp. 125-146.
24. **Mueter, F.J.**, and Litzow M.A. (2008). Sea ice retreat alters the biogeography of the Bering Sea continental shelf. *Ecological Application* **18**: 309-320.
23. Aydin, K., and **Mueter, F.J.** (2007). The Bering Sea - A dynamic food web perspective. *Deep Sea Research II* **54**: 2501-2525.
22. **Mueter, F.J.**, Boldt, J., Megrey, B.A., and Peterman, R.M. (2007). Recruitment and survival of Northeast Pacific Ocean fish stocks: temporal trends, covariation, and regime shifts. *Canadian Journal of Fisheries and Aquatic Sciences* **64**: 911-927.
21. Misra, D., Naidu, S.A., Kelley, J.J., Venkatesan, M.I., and **Mueter, F.J.** (2006). Heavy metals and hydrocarbons in Beaufort lagoon sediments, North Arctic Alaska. In *Coastal Environment and Water Quality* Edited by Y.J. Xu and V.P. Singh. Water Resources Publications, LLC, Highlands Ranch, CO. pp. 3-16.
20. **Mueter, F.J.**, Ladd, C., Palmer, M.C., and Norcross, B.L. (2006). Bottom-up and top-down controls of walleye pollock (*Theragra chalcogramma*) on the eastern Bering Sea shelf. *Progress in Oceanography* **62**:152-183
19. **Mueter, F.J.**, and Megrey, B.A. (2006). Using multi-species surplus production models to estimate ecosystem-level maximum sustainable yields. *Fisheries Research* **81**:189-201.
18. **Mueter, F.J.** and Megrey, B.A. (2005). Distribution of population-based indicators across multiple taxa to assess the status of Gulf of Alaska and Bering Sea groundfish communities. *ICES Journal of Marine Science* **62**: 344-352
17. **Mueter, F.J.**, Pyper, B.J. and Peterman, R.M. (2005) Relationships between coastal ocean conditions and survival rates of Northeast Pacific salmon at multiple lags. *Transactions of the American Fisheries Society* **134**:105-119.

16. Pyper, B.J., **Mueter, F.J.** and Peterman, R.M. (2005) Across species comparisons of spatial scales of environmental effects on survival rates of Northeast Pacific salmon. *Transactions of the American Fisheries Society* **134**:86-104
15. **Mueter, F.J.** (2004) Gulf of Alaska. *In: Marine Ecosystems of the North Pacific*. PICES Special Publication 1, pp.153-175.
14. **Mueter, F.J.**, Peterman, R.M., and Pyper, B.J. (2002). Opposite effects of ocean temperature on survival rates of 120 stocks of Pacific salmon (*Oncorhynchus* spp.) in northern and southern areas. *Canadian Journal of Fisheries and Aquatic Sciences* **59**:456-463
13. **Mueter, F.J.**, and Norcross, B.L. (2002). Spatial and temporal patterns in the demersal fish community on the shelf and upper slope regions of the Gulf of Alaska. *Fishery Bulletin* **100**: 559-581
12. **Mueter, F.J.**, Ware, D.M., and Peterman, R.M. (2002). Spatial correlation patterns in coastal environmental variables and survival rates of Pacific salmon in the Northeast Pacific Ocean. *Fisheries Oceanography* **11**:205-218.
11. Pyper, B.J., **Mueter, F.J.**, Peterman, R.M., Blackbourn, D.J., and Wood C. (2002) Spatial Covariation in Survival Rates of Northeast Pacific Chum Salmon. *Transactions of the American Fisheries Society* **131**:343-363 .
10. Pyper, B.J., **Mueter, F.J.**, Peterman, R.M., Blackbourn, D.J., and Wood C. (2001). Spatial covariation in survival rates of Northeast Pacific pink salmon (*Oncorhynchus gorbuscha*). *Canadian Journal of Fisheries and Aquatic Sciences* **58**:1501-1515.
9. **Mueter, F.J.**, and Norcross, B.L. (2000). Changes in species composition of the demersal fish community in nearshore waters of Kodiak Island, Alaska. *Canadian Journal of Fisheries and Aquatic Sciences* **57**: 1169-1180.
8. **Mueter, F.J.** and Norcross, B.L. (2000). Species composition and abundance of juvenile groundfishes around six Steller sea lion (*Eumetopias jubatus*) rookeries in the Gulf of Alaska. *Alaska Fisheries Research Bulletin*. **7**: 33-43.
7. **Mueter, F.J.**, and Norcross, B.L. (1999). Linking community structure of small demersal fishes around Kodiak Island, Alaska, to environmental variables. *Marine Ecology Progress Series* **190**: 37-51.
6. **Mueter, F.J.**, and Norcross, B.L. (1999). A multivariate approach to monitoring changes in species composition of a demersal fish community. *In: Ecosystem approaches for fisheries management*. University of Alaska Sea Grant AK-SG-99-01, Fairbanks. pp. 589-592.
5. Norcross, B.L., **Mueter, F.J.** (1999). The use of an ROV in the study of juvenile flatfish. *Fisheries Research* **39**: 241-251.
4. Norcross, B.L., **Mueter, F.J.**, and Holladay, B.A. (1997). Habitat models for juvenile pleuronectids around Kodiak Island, Alaska. *Fishery Bulletin* **95**: 504-520.
3. Norcross, B.L., Holladay, B.A., and **Mueter, F.J.** (1995). Nursery area characteristics of pleuronectids in coastal Alaska, USA. *Netherlands Journal of Sea Research* **34**(1-3): 161-175.

2. **Mueter, F.J.**, Norcross, B.L., and Royer, T.C. (1995). Do cyclic temperatures cause cyclic fisheries? *In* Climate change and northern fish populations. *Edited by* R.J. Beamish. National Research Council of Canada, Ottawa. pp. 119-129.
1. **Mueter, F.J.**, and Norcross, B.L. (1994). Distribution, abundance, and growth of larval walleye pollock, *Theragra chalcogramma*, in an Alaskan fjord. *Fishery Bulletin* **92**: 579-590.