

**North Slope Borough**  
**Department of Wildlife Management**  
**PUBLICATIONS**  
**(as of November 2018)**

**PEER-REVIEWED PUBLICATIONS**

- Abdelbaki, Y.Z., W.G. Henk, J.T. Haldiman, **T.F. Albert**, R.W. Henry, D.W. Duffield. 1984. Macroanatomy of the Reticule of the Bowhead Whale (*Balaena mysticetus*). *The Anatomical Record* 208: 481-490.
- Ahmaogak, G. 1985. Comments regarding the development of a policy pertaining to research in the U.S. Arctic. *Inuit Studies* 9(2): 27-32.
- Albert, T.F.** 1985. Scientific research activities concerning the collection and distribution of marine mammal specimen materials under authority of permit no. 345 issued by the National Marine Fisheries Service. Paper SC/37/PS18 presented to the IWC Scientific Committee, June 1985 (unpublished). 56pp.
- Albert, T.F.** 1988. The Role of the North Slope Borough in Arctic Environmental Research. *Arctic Research of the United States* 2: 17-23.
- Albert, T.** 1990. The bowhead whale, a brief overview. *Alaska's Wildlife* 22 (5): 25-26.
- Albert, T.F.**, G. Migaki, H.W. Casey, **L.M. Philo**. 1980. Healed Penetrating Injury of a Bowhead Whale. *Marine Fisheries Review* 42(9-10): 92-96.
- Archer, E., K.K. Martien, B.L. Taylor, R.G. LeDuc, B.J. Ripley, G.H. Givens, **J.C. George**. 2010. A simulation-based approach to evaluating population structure in non-equilibrium populations. *Journal of Cetacean Research and Management* 11: 101-114.
- Armfield, B. A., **J. C. George**, C. J. Vinyard, J. G. M. Thewissen. 2011. Allometric patterns of fetal head growth in mysticetes and odontocetes: comparison of *Balaena mysticetus* and *Stenella attenuata*. *Marine Mammal Science* 27:819-827. DOI: 10.1111/j.1748-7692.2010.00445.x.
- Ashjian, C.J., S.R. Braund, R.G. Campbell, **J.C. George**, J. Kruse, W. Maslowski, S.E. Moore, C.R. Nicolson, S.R. Okkonen, B.F. Sherr, E.B. Sherr, Y. Spitz. 2010. Climate variability, oceanography, bowhead whale distribution and Iñupiat subsistence whaling near Barrow, Alaska. *Arctic* 63(2):179–194.
- Bagne, K., M. Johnson, M. Wesselmann, **R. Suydam**. 1994. Breeding bird census: wet coastal plain tundra IV. *Journal of Field Ornithology* 65(supplement):117.
- Ball, H. C., M. Stavarz, J. Oldaker, S. Usip, R. L. Londrville, **J. C. George**, J. G. M. Thewissen, R. J. Duff. 2015. Seasonal and ontogenetic variation in subcutaneous adipose of the bowhead whale (*Balaena mysticetus*). *Anatomical Record, Advances in Integrative Anatomy and Evolutionary Biology* DOI: 10.1002/ar.23125.
- Ball, H.C., R.L. Londrville, J.P. Prokop, **J.C. George**, **R. Suydam**, C. Vinyard, J.G.M. Thewissen, R.J. Duff. 2016. Beyond thermoregulation: metabolic function of cetacean blubber in migrating bowhead and beluga whales. *Journal of Comparative Physiology B* DOI: 10.1007/s00360-016-1029-6.
- Becker, P.R., E.A. Mackey, R. Demiralp, **R. Suydam**, G. Early, B.J. Koster, S.A. Wise. 1995. Relationship of silver with selenium and mercury in the liver of two species of toothed whales (Odontocetes). *Marine Pollution Bulletin* 30:262-271.
- Beckmen, K. B., G.M. Ylitalo, R.G. Towell, M.M. Krahn, **T.M. O'Hara**, J.E. Blake. 1999. Factors affecting organochlorine contaminant concentrations in milk and blood of northern fur seal (*Callorhinus ursinus*) dams and pups from St. George Island, Alaska. *The Science of the Total Environment* 231:183-200.
- Beckmen K.B., J.E. Blake, G.M. Ylitalo, J.L. Stott, **T.M. O'Hara**. 2003. Organochlorine contaminant exposure and associations with hematological and humoral immune functional assays with dam age as a factor in free-ranging northern fur seal pups (*Callorhinu ursinus*). *Marine Pollution Bulletin* 46(5):594-606.
- Beeman, K., C. Clark, W. Ellison. 1985. Acoustic tracking of migrating whales. *Horizon* 9 (2): 1-4. (Published by Sippican Ocean Systems, Inc., Marion, MA 02738).
- Bentzen, R.L., A.N. Powell, L.M. Phillips, **R.S. Suydam**. 2010. Incubation behavior of King Eiders on the coastal plain of northern Alaska. *Polar Biology* DOI 10.1007/s00300-010-0787-y.
- Bentzen, R.L., A.N. Powell, **R.S. Suydam**. 2008. Factors influencing nesting success of King Eiders on northern Alaska's coastal plain. *Journal of Wildlife Management* 72:1781-1789.
- Bentzen, R.L., A.N. Powell, **R.S. Suydam**. 2009. Strategies for nest site selection by King Eiders. *Journal of Wildlife Management* 73(6):932–938.
- Bentzen, T., D. Muir, E. Follmann, S. Amstrup, G. York, **T. O'Hara**. 2008. Organohalogen concentrations in blood and adipose tissue of polar bears along Alaska's Beaufort Sea coast. *Science of the Total Environment* 406(1-2):352-367.
- Bentzen, T.W., E.H. Follmann, M.J. Wooller, D.C.G. Muir, S.C. Amstrup, G.W. York, **T. M. O'Hara**. 2008. Dietary biomagnification of organochlorine contaminants in Alaskan polar bears. *Canadian Journal of Zoology* 86:177-191.
- Bentzen, T.W., E.H. Follmann, S.C. Amstrup, G.W. York, M.J. Wooller, **T.M. O'Hara**. 2007. Variation in winter feeding ecology of southern Beaufort Sea polar bears inferred from stable isotope analysis. *Canadian Journal of Zoology* 85:596-608.
- Bockstoce, J.R., D.B. Botkin, A. Philp, B.W. Collins, **J.C. George**. 2005. The geographic distribution of bowhead whales in the Bering, Chukchi and Beaufort Seas: evidence from whaleship records, 1849-1914. *Marine Fisheries Review* 67(3):1-43.

- Borchman, D., **R. Stimmelmayer**, **C. George**. 2017. Whales, lifespan, phospholipids and cataracts. *Journal of Lipid Research* 58:2289-2298.
- Bradley, M., S. Kutz, E. Jenkin, **T. O'Hara**. 2005. The Potential Impact of Climate Change on Infectious Diseases of Arctic Fauna. *International Journal of Circumpolar Health* 64(5):468-478.
- Braund, S.R. 1992. Traditional Alaska Eskimo whaling and the bowhead quota. *Arctic Research* 6:37- 42.
- Brewster, K. 1997. Native contributions to arctic science at Barrow, Alaska. *Arctic* 50(3):277-288.
- Brower, C. D.**, A. Carpenter, M.L. Branigan, W. Calvert, T. Evans, A.S. Fischbach, J.A. Nagy, S. Schliebe, I. Stirling. 2002. The Polar Bear Management Agreement for the southern Beaufort Sea: An evaluation of the first ten years of a unique conservation agreement. *Arctic* 55(4):362-372.
- Budge, S.M., A.M. Springer, S.J. Iverson, G. Sheffield, and **C. Rosa**. 2008. Blubber fatty acid composition of bowhead whales, *Balaena mysticetus*: Implications for diet assessment and ecosystem monitoring. *Journal of Experimental Marine Biology and Ecology* 359:40-46.
- Burek, K.A., F.M.D. Gulland, **T.M. O'Hara**. 2008. Effects of Climate Change on Arctic Marine Mammal Health. *Ecological Applications* 18(2):S126-S134.
- Burgess R.M., R.J. Ritchie, **B.T. Person**, **R.S. Suydam**, J.E. Shook, A.K. Prichard, T. Obritschkewitsch. 2017. Rapid growth of a nesting colony of Lesser Snow Geese (*Chen caerulescens caerulescens*) on the Ikpikuk River Delta, North Slope, Alaska. *Waterbirds* 40(1):11-23. <http://dx.doi.org/10.1675/063.040.0103>
- Byrne, C., R. Balasubramanian, E. Overton, **T. Albert**. 1985. Concentrations of trace metals in the bowhead whale. *Marine Pollution Bulletin* 14:497-498.
- Carroll, G.M. 1976. Utilization of the bowhead whale. *Marine Fisheries Review* 38(8):18-21.
- Carroll, G.M., J.C. George**, L.F. Lowry, K.O. Coyle. 1987. Bowhead Whale (*Balaena mysticetus*) Feeding Near Point Barrow, Alaska, During the 1985 Spring Migration. *Arctic* 40(2):105-110.
- Carroll, G.M., L.S. Parrett, **J.C. George**, D.A. Yokel. 2004. Calving distribution of the Teshekpuk caribou herd, 1994-2003. *Rangifer*, Special Issue 16:27-35.
- Citta, J.J., J.J. Burns, L.T. Quakenbush, V. Vanek, **J.C. George**, R.J. Small, M.P. Heide-Jørgensen, **H. Brower**. 2013. Potential for bowhead whale entanglement in cod and crab pot gear in the Bering Sea. *Marine Mammal Science* 30(2). DOI:10.1111/mms.12047
- Citta, J.J., L.T. Quakenbush, **J.C. George**, R.J. Small, M.P. Heide-Jørgensen, **H. Brower**, **B. Adams**, L. Brower. 2012. Winter Movements of Bowhead Whales (*Balaena mysticetus*) in the Bering Sea. *Arctic* 65: 13-34.
- Citta, J.J., L.T. Quakenbush, S.R. Okkonen, M.L. Druckenmiller, W. Maslowski, J. Clement-Kinney, **J.C. George**, **H. Brower**, R.J. Small, C.J. Ashjian, L.A. Harwood and M.P. Heide-Jørgensen. 2015. Ecological characteristics of core-use areas used by Bering-Chukchi-Beaufort (BCB) bowhead whales, 2006-2012. *Progress in Oceanography* 136: 201-222.
- Citta, J., L. Lowry, L. Quakenbush, B. Kelly, A. Fischbach, J. London, C. Jay, K. Frost, G. O'Corry Crowe, J. Crawford, P. Boveng, M. Cameron, **A. Von Duyke**, M. Nelson, L. Harwood, P. Richard, **R. Suydam**, M. P. Heide-Jørgensen, R. Hobbs, D. Litovka, A. Whiting, M. Marcoux, A. Kennedy, **J. George**, J. Orr, T. Gray. 2018. A multi-species synthesis of satellite telemetry data in the Pacific Arctic (1987-2015): Overlap of marine mammal distributions and core use areas. *Deep Sea Research Part II: Topical Studies in Oceanography*. <https://doi.org/10.1016/j.dsr2.2018.02.006>
- Citta, J.J., P. Richard, L.F. Lowry, G. O'Corry-Crowe, M. Marcoux, **R. Suydam**, L.T. Quakenbush, R.C. Hobbs, D. I. Litovka, K.J. Frost, T. Gray, J. Orr, B. Tinker, H. Aderman, M.L. Druckenmiller. 2016. Satellite telemetry reveals population specific winter ranges of beluga whales in the Bering Sea. *Marine Mammal Science*, DOI: 10.1111/mms.12357
- Citta, J.J., **R.S. Suydam**, L.T. Quakenbush, K.J. Frost, G. O'Corry-Crowe. 2013. Dive behavior of eastern Chukchi Sea beluga whales (*Delphinapterus leucas*), 1998-2008. *Arctic* 66:389-406.
- Citta, J.J., S.R. Okkonen, L.T. Quakenbush, W. Maslowski, R. Osinski, **J.C. George**, R.J. Small, H. Brower, Jr., M.P. Heide-Jørgensen, L.A. Harwood. 2017. Oceanographic characteristics associated with autumn movements of bowhead whales in the Chukchi Sea. *Deep-Sea Research II*, <http://dx.doi.org/10.1016/j.dsr2.2017.03.009>.
- Clark, C. 1988. Singing in the ice. *The Living Bird Quarterly* 7(4):10-16.
- Clark, C. 1991. Moving with the herd. *Natural History*, March: 38-42.
- Clark, C. 1991. Talking heads. *Natural History*, March: 42-45.
- Clark, C., J. Johnson. 1984. The sounds of the bowhead whale, *Balaena mysticetus*, during the spring migrations of 1979 and 1980. *Canadian Journal of Zoology* 62:1436-1441.
- Clark, C.W., Ellison, W.T. 2000. Calibration and comparison of the acoustic location methods used during the spring migration of the bowhead whale, *Balaena mysticetus* off Point Barrow, Alaska, 1984-1993. *Journal of the Acoustical Society of America* 107: 3509-3517.
- Cooper, L.W., I.L. Larson, **T.M. O'Hara**, S. Dolvin, V. Woshner, G.F. Cota. 2000. Radionuclide Contaminant Burdens in Arctic Marine mammals Harvested During Subsistence Hunting. *Arctic* 53(2):174-182.
- Cox, C.J., R.S. Stone, D.C. Douglas, D.M. Stanitski, G.J. Divoky, G.S. Dutton, C. Sweeney, **J.C. George**, D.U. Longenecker. 2017. Drivers and environmental responses to the changing annual snow cycle of northern Alaska. *Bulletin of the American Meteorological Society* DOI: [10.1175/BAMS-D-16-0201.1](https://doi.org/10.1175/BAMS-D-16-0201.1)
- Cummings, W., D. Holliday. 1985. Passive acoustic location of bowhead whales in a population census off Point Barrow, Alaska. *Journal of the Acoustical Society of America* 78:1163-1169.

- Dammann, D.O., H. Eicken, A.R. Mahoney, E. Saitet, F.J. Meyer, **J.C. George**. 2018. Traversing sea ice - linking surface roughness and ice trafficability through SAR polarimetry and interferometry. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing* 11(2):416-433.
- Danielson, S.L., L. Eisner L., C. Ladd, C. Mordy, **L. Sousa**, T.J. Weingartner. 2017. A comparison between late summer 2012 and 2013 water masses, macronutrients, and phytoplankton standing crops in the northern Bering and Chukchi Seas. *Deep Sea Research II* 135:7-26. doi.org/10.1016/j.dsr2.2016.05.024.
- Da Silva, C.Q., J. Zeh, D. Madigan, J. Laake, D. Rugh, L. Baraff, W. Koski, G. Miller. 2000. Capture-recapture estimation of bowhead whale population size using photo-identification data. *Journal of Cetacean Research and Management* 2:45-61.
- Dehn, L.A., E. H. Follmann, C. Rosa, L.K. Duffy, D.L. Thomas, G.R. Bratton, R.J. Taylor, **T.M. O'Hara**. 2006. Stable isotope and trace element status of subsistence-hunted bowhead and beluga whales in Alaska and gray whales in Chukotka. *Marine Pollution Bulletin* 52:301-319.
- Dehn, L.A., E.H. Follmann, D.L. Thomas, G.G. Sheffield, C. Rosa, L.K. Duffy, **T.M. O'Hara**. 2006. Trophic relationships in an Arctic food web and implications for trace metal transfer. *Science of the Total Environment* 362:103-123.
- Dehn, L.A., G. G. Sheffield, E.H. Follmann, L.K. Duffy, D.L. Thomas, G.R. Bratton, R.J. Taylor, **T.M. O'Hara**. 2005. Trace elements in tissues of phocid seals harvested in the Alaskan and Canadian Arctic – Influence of age and feeding ecology. *Canadian Journal of Zoology* 83:726-746.
- Dehn, L.A., G. G. Sheffield, E.H. Follmann, L.K. Duffy, D.L. Thomas, **T.M. O'Hara**. 2007. Feeding ecology of phocid seals and some walrus in the Alaskan and Canadian Arctic as determined by stomach contents and stable isotope analysis. *Polar Biology* 30:167-181.
- Divoky, G.J., **R. Suydam**. 1995. An artificial nest site for Arctic nesting Common Eiders. *Journal of Field Ornithology* 66:270-276.
- Drake, S., S. Crish, **J.C. George**, **R. Stimmelmayer**, J.G.M. Thewissen. 2015. Sensory hairs in the bowhead whale, *Balaena mysticetus* (Cetacea, Mammalia). *Anatomical Record* 298:1327-1335.
- Druckenmiller, M.L., H. Eicken, **J.C. George**, L. Brower. 2013. Trails to the whale: Reflections of change and choice on an Iñupiat icescape at Barrow, Alaska. 2013. *Polar Geography* 03/2013; 36(1-2):5-29. DOI:10.1080/1088937X.2012.724459
- Druckenmiller, M.L., J.J. Citta, M.C. Ferguson, J.T. Clarke, **J.C. George**, L. Quakenbush. 2017. Trends in sea-ice cover within bowhead whale habitats in the Pacific Arctic. *Deep-Sea Research Part II*, https://doi.org/10.1016/j.dsr2.2017.10.017.
- Duffield, D.W., J.T. Haldiman, W.G. Henk. 1992. Surface Morphology of the Forebrain of the Bowhead Whale, *Balaena mysticetus*. *Marine Mammal Science* 8(4):354-378.
- Edmonds, M.D., F.M. Ward, **T.M. O'Hara**, P.H. Elzer. 1999. Use of Western Immunoblot Analysis for Testing Alaskan Moose (*Alces alces*) Serum for *Brucella suis* biovar 4 Specific Antibodies. *Journal of Wildlife Diseases* 35:591-595.
- Ellison, W.T., R. Racca, C.W. Clark, B. Streever, A.S. Frankel, E. Fleishman, J. Berger, D. Ketten, M. Guerra, M. Leu, M. McKenna, **T. Sformo**, B. Southall, **R. Suydam**, L. Thomas. 2016. Assessing aggregated exposure and responses of marine mammals to multiple sources of anthropogenic underwater sound. *Endangered Species Research* 30:95-108. Doi: 10.3354/esr00727.
- Elsner, R., **J.C. George**, **T. O'Hara**. 2004. Vasomotor responses of isolated peripheral blood vessels from bowhead whales: thermoregulatory implications. *Marine Mammal Science* 20(3):546–553.
- Follmann, E., A. Manning. 1989. The use of radio telemetry as an aid in the retrieval of bowhead whales (*Balaena mysticetus*) struck during the annual Eskimo subsistence hunt in Alaska. *Arctic* 42(3):189-198.
- Ford, T.J., A.J. Werth, **J.C. George**. 2013. An intraoral thermoregulatory organ in the bowhead whale (*Balaena mysticetus*), the corpus cavernosum maxillaris. *The Anatomical Record* 296(4):701-708.
- Frost, K.J., **R.S. Suydam**. 2010. Subsistence harvest of beluga or white whales (*Delphinapterus leucas*) in northern and western Alaska 1987 to 2006. *Journal of Cetacean Research and Management* 11:293-299.
- George, J.C.**, C. Clark, G.M. Carroll, W.T. Ellison. 1989. Observations on the Ice-Breaking and Ice Navigation Behavior of Migrating Bowhead Whales (*Balaena mysticetus*) Near Point Barrow, Alaska, Spring 1985. *Arctic* 42(1):24-30.
- George, J.C.**, E. Follmann, J. Zeh, M. Sousa, R. Tarpley, **R. Suydam**, L. Horstmann-Dehn. 2011. A new way to estimate the age of bowhead whales (*Balaena mysticetus*) using ovarian corpora counts. *Canadian Journal of Zoology* 89:840-852
- George, J.C.**, G. Sheffield, D.J. Reed, B. Tudor, **R. Stimmelmayer**, **B.T. Person**, **T. Sformo**, **R. Suydam**. 2017. Frequency of injuries from line entanglements, killer whales, and ship strikes on Bering-Chukchi-Beaufort Seas Bowhead Whales. *Arctic* 70:37-46.
- George, J.C.**, **G.M. Carroll**, R.J. Tarpley, **T.F. Albert**, R.L. Yackley. 1987. Report of field activities pertaining to the spring 1986 census of bowhead whales, *Balaena mysticetus*, off Point Barrow, Alaska with observations on the subsistence hunt. *Rep. Int. Whal. Commn* 37:301-8.
- George, J.C.**, H.P. Huntington, K. Brewster, H. Eicken, D.W. Norton, R. Glenn. 2004. Observations on Shorefast Ice Dynamics in Arctic Alaska and the Responses of the Iñupiat Hunting Community. *Arctic* 57(4):363– 374.
- George, J.C.**, J. Bada, J. Zeh, L. Scott, S.E. Brown, **T. O'Hara**, **R. Suydam**. 1999. Age and growth estimates of bowhead whales (*Balaena mysticetus*) via aspartic acid racemization. *Canadian Journal of Zoology* 77:571-580.
- George, J.C.**, J. Zeh, **R. Suydam**, C. Clark. 2004. Abundance and population trend (1978-2001) of western Arctic bowhead whales surveyed near Barrow, Alaska. *Marine Mammal Science* 20:755-773.
- George, J.C.**, J.R. Bockstoce. 2008. Two historical weapon fragments as an aid to estimating the longevity and movements of bowhead whales. *Polar Biology* 31:751-4.

- George, J.C., L.M. Philo, K. Hazard, D. Withrow, G.M. Carroll, R. Suydam.** 1994. Frequency of Killer Whale (*Orcinus orca*) attacks and ship collisions based on scarring on Bowhead Whales (*Balaena mysticetus*) of the Bering-Chukchi-Beaufort Seas stock. *Arctic* 47:247-255.
- George, J.C., M.L. Druckenmiller, K.L. Laird, R. Suydam, B. Person.** 2015. Bowhead whale body condition and links to summer sea ice and upwelling in the Beaufort Sea. *Progress in Oceanography* 136:250-262 ([doi.org/10.1016/j.pocean.2015.05.001](https://doi.org/10.1016/j.pocean.2015.05.001)).
- George, J.C., R. Stimmelmayer, R. Suydam, S. Usip, G. Givens, T. Sformo, J. G. M. Thewissen.** 2016. Severe bone loss as part of the life history strategy of bowhead whales. *PLoS ONE* 11(6):e0156753.
- George, J.C., R. Suydam.** 1998. Observations of Killer whale (*Orcinus orca*) predation in the northeastern Chukchi and western Beaufort seas. *Marine Mammal Science* 14:330-332.
- Gerlach, C., **J.C. George, R. Suydam.** 1993. Bowhead Whale (*Balaena mysticetus*) length estimations based on scapula measurements. *Arctic* 46:55-59.
- Givens, G. 1999. Strike limit algorithm optimization: a realistic example, *Journal of Cetacean Research and Management* 1:75-83.
- Givens, G. 1999. Multicriterion decision merging: competitive development of an aboriginal whaling management procedure, *Journal of the American Statistical Association* 94:1003-1014.
- Givens, G.H., A. Raftery. 1996. Local adaptive importance sampling for multivariate densities with strong nonlinear relationships. *Journal of the American Statistical Association* 91(433):132-141.
- Givens, G.H., I. Ozaksoy. 2007. Population structure and covariate analysis based on pairwise microsatellite allele matching frequencies. *Statistical Applications in Genetics and Molecular Biology* 6(1):31.
- Givens, G.H., J. A. Hoeting, L. Beri. 2009. Factors that influence aerial line transect detection of Bering-Chukchi-Beaufort Seas bowhead whales. *Journal of Cetacean Research and Management* 11:9-16.
- Givens, G.H., R.M. Huebinger, J.C. Patton, L.D. Postma, M. Lindsay, **R.S. Suydam, J.C. George, C.W. Matson, J.W. Bickham.** 2010. Population genetics of bowhead whales (*Balaena mysticetus*): regional differentiation but no structure within the western Arctic. *Arctic* 63:1-12.
- Givens, G.H., S. L. Edmondson, **J. C. George, B. Tudor, R.A. DeLong, R. Suydam.** 2014. Weighted likelihood recapture estimation of detection probabilities from an ice-based survey of bowhead whales. *Environmetrics* DOI:10.1002/env.2293.
- Givens, G.H., S.L. Edmondson, **J.C. George, B. Tudor, R.A. DeLong, and R. Suydam.** 2015. Horvitz-Thompson whale abundance estimation adjusting for uncertain recapture, temporal availability variation, and intermittent effort. *Environmetrics* DOI: 10.1002/env.2379.
- Givens, G.H., S.L. Edmondson, **J.C. George, R. Suydam, R.A. Charif, A. Rahaman, D. Hawthorne, B. Tudor, R.A. DeLong, C.W. Clark.** 2016. Horvitz-Thompson Whale Abundance Estimation Adjusting for Uncertain Recapture, Temporal Availability Variation and Intermittent Effort. *Environmetrics* 27:134-146, DOI:10.1002/env.2379
- Goertz, C.E.C., L. Polasek, K. Burek, **R. Suydam, T. Sformo.** 2016. Demography and pathology of a pacific walrus (*Odobenus rosmarus divergens*) mass-mortality event at Icy Cape, Alaska, September 2009. *Polar Biology*, Doi:10.1007/s00300-016-2023-x.
- Haldiman, J.T., W.G. Henk, R.W. Henry, **T.F. Albert, Y.Z. Abdelbaki, D.W. Duffield.** 1984. Microanatomy of the Major Airway Mucosa of the Bowhead Whale, *Balaena mysticetus*. *The Anatomical Record* 209:219-230.
- Haldiman, J.T., W.G. Henk, R.W. Henry, **T.F. Albert, Y.Z. Abdelbaki, D.W. Duffield.** 1985. Epidermal and Papillary Dermal Characteristics of the Bowhead Whale (*Balaena mysticetus*). *The Anatomical Record* 211:391-402.
- Haldiman, J. T., R. J. Tarpley. 1993. Anatomy & Physiology. In Burns, J. J., J.J. Montague, and C.J. Cowles, *The Bowhead Whale*. Special Publication No. 2: The Society for Marine Mammalogy.
- Harms, C.A. 1993. Composition of Prepartum Mammary Secretions of Two Bowhead Whales (*Balaena mysticetus*). *Journal of Wildlife Diseases* 29(1): 94-97.
- Hauser, D.D.W., K.L. Laidre, H.L. Stern, S.E. Moore, **R.S. Suydam, P.R. Richard.** 2017. Habitat selection by two beluga whale populations in the Chukchi and Beaufort seas. *PLoS ONE* 12(2):30172755.
- Hauser, D.D.W., K.L. Laidre, H.L. Stern, S.E. Moore, **R.S. Suydam, P.R. Richard.** 2016. Decadal shifts in autumn migration timing by Pacific Arctic beluga whales are related to delayed annual sea ice formation. *Global Change Biology*, doi:10.1111/gcb.13564.
- Hauser D.D.W., K.L. Laidre, H.L. Stern, **R.S. Suydam, P.R. Richard.** 2018. Indirect effects of sea ice loss on summer-fall habitat and behaviour for sympatric populations of an Arctic marine predator. *Diversity and Distributions* 00:1-9. <https://doi.org/10.1111/ddi.12722>
- Hauser, D.D.W., K.L. Laidre, **R.S. Suydam, P.R. Richard.** 2014. Population-specific space use and migration timing in Pacific Arctic beluga whales (*Delphinapterus leucas*). *Polar Biology* DOI 10.1007/s00300-014-1510-1.
- Hauser, D.D.W., K.L. Laidre, S.L. Parker-Stetter, J.K. Horne, **R.S. Suydam, P.R. Richard.** 2015. Regional diving behavior of Pacific Arctic beluga whales (*Delphinapterus leucas*) and associations with Arctic cod (*Boreogadus saida*). *Marine Ecology Progress Series* 541:245-264.
- Harwood, L.A., T.G. Smith, **J.C. George, S.J. Sandstrom, W. Walkusz, G.J. Divoky.** 2015. Change in the Beaufort Sea ecosystem: Diverging trends in body condition and/or production in five marine vertebrate species. *Progress in Oceanography* 05/2015; 61. DOI:10.1016/j.pocean.2015.05.003
- Heckmann R.A., L.A. Jensen, R.G. Warnock, B. Coleman. 1987. Parasites of the bowhead whale, *Balaena mysticetus*. *Great Basin Naturalist* 47(3):355-72.

- Heidel, J.R., **L.M. Philo, T.F. Albert**, C.B. Andreasen, B.U. Stang. 1996. Serum Chemistry of Bowhead Whales (*Balaena mysticetus*). *Journal of Wildlife Diseases* 32(1):75-79.
- Heidel, J.R., **T.F. Albert**. 1994. Intestinal Volvulus in a Bowhead Whale, *Balaena mysticetus*. *Journal of Wildlife Diseases* 30(1):126-128.
- Henk, W.G., D.C. Mullan. 1996. Common Epidermal Lesions of the Bowhead Whale, *Balaena mysticetus*. *Canning Microscopy* 10(3):905-916.
- Henk, W.G., J.T. Haldiman. 1990. Microanatomy of the Lung of the Bowhead Whale, *Balaena mysticetus*. *The Anatomical Record* 226:187-197.
- Henk, W.G., Y.Z. Abdelbaki, J.T. Haldiman, **T.F. Albert**. 1986. Microanatomy of the Reticule of *Balaena mysticetus*. *The Anatomical Record* 214:118-129.
- Henry, R.W., J.T. Haldiman, **T.F. Albert**, W.G. Henk, Y.Z. Abdelbaki, D.W. Duffield. 1983. Gross Anatomy of the Respiratory System of the Bowhead Whale, *Balaena mysticetus*. *The Anatomical Record* 207:435-449.
- Hess, W. 1995. Uiniq - The Open Lead, winter 1994-95 issue, Vol. 8, pp. 95. Copies available from Department of Wildlife Management, North Slope Borough, Box 69, Barrow, AK 99723. (Special issue devoted to September 1994 visit to Chukotka by North Slope Borough personnel.)
- Hoekstra, P. F., B.M. Braune, **T.M. O'Hara**, B. Elkin, K.R. Solomon, D.C.G. Muir. 2003. Organochlorine contaminant and stable isotope profiles in arctic fox (*Alopex lagopus*) from the Alaskan and Canadian Arctic. *Environmental Pollution* 122(3):423-433.
- Hoekstra P.F., C.S. Wong, **T.M. O'Hara**, K.R. Solomon, S.A. Mabury, D.C. Muir. 2002. Enantiomer-specific accumulation of PCB atropisomers in the bowhead whale (*Balaena mysticetus*). *Environmental Science Technology* 36:1419-25.
- Hoekstra, P.F., L.A. Dehn, **J.C. George**, K.R. Solomon, D.C.G. Muir, **T. M. O'Hara**. 2002. Trophic ecology of bowhead whales (*Balaena mysticetus*) compared to other arctic marine biota as interpreted from C, N, and S isotope signatures. *Canadian Journal of Zoology* 80:223-231.
- Hoekstra P.F., R.J. Letcher, **T.M. O'Hara**, S.M. Backus, K.R. Solomon. 2003. Hydroxylated and Methsulfone-Containing Metabolites of Polychlorinated Biphenyls in the Plasma and Blubber of Bowhead Whales (*Balaena mysticetus*). *Environmental Toxicology and Chemistry* 22(11):2650-2658.
- Hoekstra, P.F., **T.M. O'Hara**, A.T. Fisk, K. Borga, K.R. Solomon, D.C.G. Muir. 2003. Trophic transfer of persistent organochlorine contaminants (OCs) within an Arctic marine food web from the southern Beaufort-Chukchi Seas. *Environmental Pollution* 124:509-522.
- Hoekstra, P.F., **T.M. O'Hara**, C. Teixeira, S. Backus, A.T. Fisk, D.C.G. Muir. 2002. Spatial trends and bioaccumulation of organochlorine pollutants in marine zooplankton from the Alaskan and Canadian Arctic. *Environmental Toxicology and Chemistry* 21(3): 575-583.
- Hoekstra, P. F., **T.M. O'Hara**, H. Karlsson, K.R. Solomon, D.C.G. Muir. 2003. Enantiomer-specific biomagnification of alpha-hexachlorocyclohexane and selected chiral chlordane-related compounds within an arctic marine food web. *Environmental Toxicology and Chemistry* 22(10):2482-2491.
- Hoekstra, P.F., **T.M. O'Hara**, S. Pallent, K.R. Solomon, K.R., D.C.G. Muir. 2002. Bioaccumulation of organochlorine contaminants in bowhead whales (*Balaena mysticetus*) from Barrow, Alaska. *Archives of Environmental Contamination and Toxicology* 42 (4): 497-507.
- Hoekstra, P.F., **T.M. O'Hara**, S.M. Backus, **C. Hanns**, D.C.G. Muir. 2005. Concentrations of persistent organochlorine contaminants in bowhead whale tissues and other biota from northern Alaska: Implications for human exposure from a subsistence diet. *Environmental Research* 98:329-340.
- Holt, D.W., **C. Hanns**, **T. O'Hara**, K. Burek, **R. Frantz**. 2005. New Distribution Records of *Echinococcus multilocularis* in the Brown Lemming from Barrow, Alaska USA. *Journal of Wildlife Diseases* 41(1):257-259.
- Horstmann, L., **C. George**, A. Oliveira. **In prep**. Modification and uptake of fatty acids in the gastrointestinal tract of bowhead whales. *Conservation Physiology*.
- Horstmann, L., **R. Stimmelmayer**, M. Wooller, **C. George**. **In prep**. Contribution of ice-derived fats to bowhead whales in Alaska, 1998–2015. *Endangered Species Research*.
- Horstmann-Dehn, L., E.H. Follmann, **C. Rosa**, G. Zelensky, **C. George**. 2012. Stable carbon and nitrogen isotope ratios in muscle and epidermis of arctic whales. *Marine Mammal Science* 28:E173-190.
- Hrams, C.A. 1993. Composition of prepartum mammary secretions of two bowhead whales (*Balaena mysticetus* L.). *Journal of Wildlife Diseases* 29(1):94-7.
- Huebinger, R.M., J.C. Patton, **J.C. George**, **R. Suydam**, E.E. Louis Jr., J.W. Bickham. 2008. Characterization of twenty-five microsatellite loci in bowhead whales (*Balaena mysticetus*). *Molecular Ecology Resources* 8:612-615.
- Hughes-Hanks, J.M., L.G. Rickard, C. Panuska, J.R. Saucier, **T.M. O'Hara**, L. Dehn, R.M. Rolland. 2005. Prevalence of *Cryptosporidium* spp. and *Giardia* spp. in five marine mammal species. *Journal of Parasitology* 91: 1225-1228.
- Hunt, K.E., **R. Stimmelmayer**, **C. George**, **C. Hanns**, **R. Suydam**, **H. Brower, Jr.**, R.M. Rolland. 2014. Baleen hormones: a novel tool for retrospective assessment of stress and reproduction in bowhead whales (*Balaena mysticetus*). *Conservation Physiology* DOI 10.1093/comphys/cou030.
- Huntington, H. P. 1992. The Alaska Eskimo Whaling Commission and other cooperative marine mammal management organizations in Alaska. *Polar Record* 28(165):119-126.

- Huntington, H. P., P.K. Brown-Schwalenberg, K.J. Frost, M.E. Fernandez-Gimenez, D.W. Norton, D.H. Rosenberg. 2002. Observations on the workshop as a means of improving communication between holders of traditional and scientific knowledge. *Environmental Management* 30(6):778-792.
- Huntington, H.P., **R.S. Suydam**, D.H. Rosenberg. 2004. Traditional knowledge and satellite tracking as complementary approaches to ecological understanding. *Environmental Conservation* 31:177-180.
- Johnson, H.D., K.M. Stafford, **J.C. George**, W.G. Ambrose Jr., C.W. Clark. 2014. Song sharing and diversity in the Bering-Chukchi-Beaufort population of bowhead whales (*Balaena mysticetus*), Spring 2011. *Marine Mammal Science* (31): 902-922.
- Johnson, M., K. Bagne, **R. Suydam**, M. Wesselmann. 1994. Breeding bird census: wet coastal plain tundra III. *Journal of Field Ornithology* 65(supplement):116.
- Johnson, M., S.A. MacLean, **R. Suydam**, M. Wesselmann. 1995. Breeding bird census: wet coastal plain tundra III. *Journal of Field Ornithology* 66(supplement):107-108.
- Jones, J., H. Eicken, A. Mahoney, M.V. Rohith, C. Kambhamettu, Y. Fukamachi, K.II Ohshima, **J.C. George**. 2016. Landfast sea ice breakouts: Stabilizing ice features, oceanic and atmospheric forcing at Barrow, Alaska. *Continental Shelf Research* 126:50-63.
- Jorde, P.E., T. Schweder, J.W. Bickham, G.H. Givens, **R. Suydam**, D. Hunter, N.C. Stenseth. 2007. Detecting genetic structure in migrating bowhead whales off the coast of Barrow, Alaska. *Molecular Ecology* 16:1993-2004.
- Jorde, P.E., T. Schweder, J.W. Bickham, G.H. Givens, **R. Suydam**, N.C. Stenseth. 2006. Detecting temporal genetic structuring of migrating bowhead whales off the coast of Barrow, Alaska. *Molecular Ecology* 16:1993-2004.
- Keane, M., J. Semeiks, A.E. Webb, Y.I. Li, V. Quesada, T. Craig, L.B. Madsen, S. van Dam, D. Brawand, P.I. Marques, P. Michalak, L. Kang, J. Bhak, H-S. Yim, N.V. Grishin, N.H. Nielsen, M.P. Heide-Jørgensen, E.M. Oziolor, C.W. Matson, G.M. Church, G.W. Stuart, J.C. Patton, **J.C. George**, **R. Suydam**, K. Larsen, C. López-Otín, M.J. O'Connell, J.W. Bickham, B. Thomsen, J.P. de Magalhães. 2015. Insights into the evolution of longevity of the bowhead whale genome. *Cell Reports* 10:112-122 (<http://dx.doi.org/10.1016/j.celrep.2014.12.008>).
- Kellar, N.M., J. Keliher, M.L. Trego, K.N. Catelani, **C. Hanns**, **J.C. George**, **C. Rosa**. 2013. Variation of bowhead whale progesterone concentrations across demographic groups and sample matrices. *Endangered Species Research* 22(1-1):61-72, DOI:10.3354/esr00537
- Kenny, D.E., **T.M. O'Hara**, T.C. Chen, Z. Lu, X. Tian, M.F. Holick. 2004. Vitamin D content in Alaskan Arctic zooplankton, fishes, and marine mammals. *Zoo Biology* 23(1):33-43
- Kim, S., J. G. M. Thewissen, M. M. Churchill, **R. S. Suydam**, D. R. Ketten, M. T. Clementz. 2014. Unique biochemical and mineral composition of whale ear bones. *Physiological and Biochemical Zoology*, 87:576-584.
- Kishida, T., J.G.M. Thewissen, S. Usip, **R.S. Suydam**, **J.C. George**. 2015. Organization and distribution of glomeruli in the bowhead whale olfactory bulb. *PeerJ* 3:e897 DOI 10.7717/peerj.897.
- Koski, W.R., **J.C. George**, G. Sheffield, M.S. Galginitis. 2005. Subsistence harvests of bowhead whales (*Balaena mysticetus*) at Kaktovik, Alaska, 1973-2000. *Journal of Cetacean Research and Management* 7(1):33-37.
- Koski, W., J. Mocklin, A. Davis, J. Zeh, D. Rugh, **J.C. George**, **R. Suydam**. 2010. Abundance of Bering-Chukchi-Beaufort bowhead whales (*Balaena mysticetus*) in 2004 estimated from photo-identification data. *Journal of Cetacean Research and Management* 11:89-99.
- Krahn, M.M., D.G. Burrows, J.E. Stein, P.R. Becker, M.M. Schantz, D.C.G. Muir, **T.M. O'Hara**, T. Rowles. 1999. White Whales (*Delphinapterus leucas*) from three Alaskan stocks: Concentrations and patterns of persistent organochlorine contaminants in blubber. *Journal of Cetacean Research and Management* 1(3): 239-249.
- Krogman, B., D. Rugh, R. Sonntag, J. Zeh, D. Ko. 1989. Ice-based census of bowhead whales migrating past Point Barrow, Alaska, 1978-1983. *Marine Mammal Science* 5(2):116-138.
- Krone, C.A., P.A. Robisch, K.L. Tilbury, J.E. Stein, E.A. Mackey, P.T. Becker, **T.M. O'Hara**, **L.M. Philo**. 1999. Elements in Liver Tissues of Bowhead Whales (*Balaena mysticetus*). *Marine Mammal Science* 15(1):123-142.
- Kucklick, J.R., M.M. Krahn, P.R. Becker, B.J. Porter, M.M. Schantz, G.S. York, **T.M. O'Hara**, S.A. Wise. 2006. Persistent organic pollutants in Alaskan ringed seal (*Phoca hispida*) and walrus (*Odobenus rosmarus*) blubber. *Journal of Environmental Monitoring* 8:848-854
- Kucklick, J. R., W.D.J. Struntz, P.R. Becker, G.W. York, **T.M. O'Hara**, J.E. Bohonowych. 2002. Persistent organochlorine pollutants in ringed seals and polar bears collected from northern Alaska. *The Science of the Total Environment* 287(1-2):45-59.
- Leduc, R.G., A.E. Dizon, A.M. Burdin, S.A. Blokhin, **J.C. George**, R.L. Brownell, Jr. 2005. Genetic analyses (mtDNA and microsatellites) of Okhotsk and Bering/Chukchi/Beaufort Seas populations of bowhead whales. *Journal of Cetacean Research and Management* 7(2):107-111.
- Lefebvre, K., L. Quakenbush, E. Frame, K.B. Huntington, G. Sheffield, **R. Stimmelmayer**, A. Bryan, P. Kendrick, H.Ziel, T. Goldstein, J.A. Snyder, T. Gelatt, F. Gulland, B. Dickerson, V. Gil. 2016. Prevalence of algal toxins in Alaskan marine mammals foraging in a changing arctic and subarctic environment. *Harmful Algae* 55:13-24.
- Lehner, N.S., **B.T. Person**, K. Kielland. **In Review**. Winter Movements of Arctic Foxes in Relation to Industrial Development on Alaska's North Slope. *Polar Biology*.
- Lehner, N.S., **B.T. Person**, K. Kielland, D.M. O'Brien. **In review**. Winter Diet of Arctic Foxes in Relation to Industrial Development on Alaska's North Slope. *Polar Biology*.

- Lockyer, C., A. Hohn, D.W. Doidge, M.P. Heide-Jørgensen, **R. Suydam**. 2007. Age determination in belugas (*Delphinapterus leucas*): a quest for validation of dentinal layering. *Aquatic Mammals* 33:293-304.
- Logerwell, E., K. Rand, S. Danielson, **L. Sousa**. 2018. Environmental drivers of benthic fish distribution in and around Barrow Canyon in the northeastern Chukchi Sea and western Beaufort Sea. *Deep-Sea Research Part II* 152:170-181.
- Logerwell, E., M. Busby, C. Carothers, S. Cotton, J. Duffy-Anderson, E. Farley, P. Goddard, R. Heintz, B. Holladay, J. Horne, S. Johnson, B. Lauth, L. Moulton, D. Neff, B. Norcross, S. Parker-Stetter, J. Seigle, **T. Sformo**. 2015. Fish communities across a spectrum of habitats in the western Beaufort Sea and Chukchi Sea. *Progress in Oceanography* 136:115-132.
- Lowry, L.F., G. Sheffield, **J. C. George**. 2004. Bowhead whale feeding in the Alaskan Beaufort Sea, based on stomach content analysis. *Journal of Cetacean Research and Management* 6(3):215-223.
- Lowry, L.F., K.J. Frost, R. Davis, **R.S. Suydam**, D.P. DeMaster. 1998. Movements of satellite tagged Spotted Seals (*Phoca largha*) in the Bering and Chukchi seas, 1991-1994. *Polar Biology* 19:221-230.
- Lowry, L.F., V.N. Burkanov, K.J. Frost, M.A. Simpkins, R. Davis, D.P. DeMaster, **R. Suydam**, A. Springer. 2000. Habitat use and habitat selection by spotted seals (*Phoca largha*) in the Bering Sea. *Canadian Journal of Zoology* 78:1959-1971.
- Lubetkin, S.C., J.E. Zeh, **J.C. George**. 2012. Statistical modeling of baleen and body length at age in bowhead whales (*Balaena mysticetus*). *Canadian Journal of Zoology* 90(8):915-931. DOI:10.1139/z2012-057
- Lubetkin, S.C., J.E. Zeh, **C. Rosa, J.C. George**. 2008. Age estimation for young bowhead whales (*Balaena mysticetus*) using annual baleen growth increments. *Canadian Journal of Zoology* 86:525-538.
- Mackey E.A., P.R. Becker, R. Demiralp, R.R. Greenberg, B.J. Koster, S.A. Wise. 1996. Bioaccumulation of vanadium and other trace metals in livers of Alaskan cetaceans and pinnipeds. *Archives of Environmental Contamination and Toxicology* 30:503-12.
- MacLean, S.A., M. Johnson, M. Wesselmann, **R. Suydam**. 1995. Breeding bird census: wet coastal plain tundra IV. *Journal of Field Ornithology* 66(supplement):108.
- Melnikov, V.V., D.I. Litovka, I.A. Zagrebin, G.M. Zelensky, L.I. Ainana. 2004. Shore-based counts of bowhead whales along the Chukotka Peninsula in May and June 1999-2001. *Arctic* 57(3):290-298.
- Migaki, G., **T.F. Albert**. 1980. Sarcosporidiosis Sarcocystis in the ringed seal near Barrow, Alaska. *Journal of the American Veterinary Medical Association* 177(9):917-918.
- Migaki, G., **T.F. Albert**. 1982. Lipoma of the liver in a bowhead whale, *Balaena mysticetus*. *Veterinary Pathology* 19(3):329-331.
- Migaki G., R.A. Heckmann, **T.F. Albert**. 1982. Gastric nodules caused by "Anisakis type" larvae in the bowhead whale (*Balaena mysticetus*). *Journal of Wildlife Diseases* 18(3):353-7.
- Miller, C.A., L. Horstmann, **J.C. George**, M.F. Baumgartner, B. Van Mooy, A. Apprill. **In prep.** Biogeography of the gut microbiota in bowhead whales provides novel insights into digestion. *Journal of Comparative Physiology*.
- Miller D.L., G.D. Bossart, M. Nadji, R. Tarpley, B. Roberts, **T.M. O'Hara**. 2002. A note on the possibility of identifying Leydig and Sertoli cells by immunohistochemistry in bowhead whales (*Balaena mysticetus*). *Journal of Cetacean Research and Management* 4(2):149-53.
- Mitchell E., R.R. Reeves. 1980. The Alaska bowhead problem: A commentary. *Arctic* 33(4):686-723.
- Moore, S.E., **J.C. George**, G. Sheffield, **J. Bacon**, C.J. Ashjian. 2010. Bowhead whale distribution and feeding near Barrow, Alaska, in late summer 2005-06. *Arctic* 63(2):195-205.
- Moore, S.E., **J.C. George**, K.O. Coyle, T. Weingartner. 1995. Bowhead whales along the Chukotka Coast in Autumn. *Arctic* 48(2):155-160.
- Moore, S.E., R.R. Reeves, B.L. Southall, T.J. Ragen, **R.S. Suydam**, C.W. Clark. 2012. A new framework for assessing the effects of anthropogenic sound on marine mammals in a rapidly changing Arctic. *BioScience* 62:289-295.
- Moran, M. M., **C. George**, J. G. M. Thewissen. 2010. Development of the sacrum in land mammals and cetaceans. *Integrative and Comparative Biology* 50: E269.
- Moran, M. M., J. G. M. Thewissen. 2011. Intervertebral disc ontogeny in land mammals and cetaceans. *Integrative and Comparative Biology* 51:E229.
- Moran, M.M., S. Bajpai, **J.C. George, R. Suydam**, S. Usip, J.G.M. Thewissen. 2014. Intervertebral and epiphyseal fusion in the postnatal ontogeny of cetaceans and terrestrial mammals. *Journal of Mammalian Evolution* DOI 10.1007/s1091-014-9256-7.
- Morin, P.A., F.I. Archer, V.L. Pease, B.L. Hancock-Hanser, K.M. Robertson, R.M. Huebinger, K.K. Martien, J.W. Bickham, **J.C. George**, L.D Postma, B.L. Taylor. 2012. Empirical comparison of single nucleotide polymorphisms and microsatellites for population and demographic analyses of bowhead whales. *Endangered Species Research* 19:129-147, DOI:10.3354/esr00459
- Morin, P.A., V.L. Pease, B.L. Hancock, K.M. Robertson, C.W. Antolik. 2010. Characterization of 42 single nucleotide polymorphism (SNP) markers for the bowhead whale (*Balaena mysticetus*) for use in discriminating populations. *Marine Mammal Science* 26(3):716-732.
- Noongwook, G., The Native Village of Savoonga, The Native Village of Gambell, H.P. Huntington, **J.C. George**. 2007. Traditional knowledge of the bowhead whale (*Balaena mysticetus*) around St. Lawrence Island, Alaska. *Arctic* 60(1): 47-54.
- Noren, S.R., **R. Suydam**. 2016. Navigating under sea-ice promotes rapid maturation of diving physiology and performance in beluga whales. *Journal of Experimental Biology* 219:2828-2836. Doi:10.1242/jeb.143644.
- O'Corry-Crowe, G., A. Mahoney, **R. Suydam**, L. Quakenbush, A. Whiting, L. Lowry, L. Harwood. 2016. Genetic profiling links changing sea ice to shifting beluga whale migration patterns. *Biology Letters* 12:20160404. <http://dx.doi.org/10.1098/rsbl.2016.0404>.

- O’Corry-Crowe, G.M., **R.S. Suydam**, A. Rosenberg, K.J. Frost, A.E. Dizon. 1997. Phylogeography, population structure, and dispersal patterns of the beluga whale, *Delphinapterus leucas*, in the western Nearctic revealed by mitochondrial DNA. *Molecular Ecology* 6:955-970.
- O’Corry-Crowe, G.M., **R. Suydam**, L. Quakenbush, B. Potgieter, L. Harwood, D. Litovka, T. Ferrer, J. Citta, V. Burkanov, K. Frost, B. Mahoney. 2018. Migratory culture, population structure and stock identity in North Pacific beluga whales (*Delphinapterus leucas*). *PLoS ONE* 13(3):e0194201. <https://doi.org/10.1371/journal.pone.0194201>
- O’Hara, T. M., C. Hanns**, G. Bratton, R. Taylor, V.M. Woshner. 2006. Essential and non-essential elements in eight tissue types from subsistence hunted bowhead whale: Nutritional and toxicological assessment. *International Journal of Circumpolar Health* 65(3):228-242.
- O’Hara, T.M., C. Hanns**, V.M. Woshner, J. Zeh, G. Bratton, R. Taylor. 2008. Essential and non-essential elements of the subsistence hunted bowhead whale: Epidermis-based predictions of blubber, kidney, liver and muscle tissue concentrations. *Journal of Cetacean Research and Management* 10(2):107-117
- O’Hara, T.M., C. House, J.A. House, R.S. Suydam, J.C. George**. 1998. Viral serologic survey of bowhead whales in Alaska. *Journal of Wildlife Diseases* 34:39-46.
- O’Hara, T.M., D. Dasher, J.C. George**, V. Woshner. 1999. Radionuclide Levels in Caribou of Northern Alaska in 1995-96. *Arctic* 52(3):279-288.
- O’Hara, T.M., D. Holcomb, P. Elzer, J. Estep, Q. Perry, S. Hagius, C. Kirk**. 2010. *Brucella* species survey in polar bears (*Ursus maritimus*) of northern Alaska. *Journal of Wildlife Diseases* 46(3):687-694.
- O’Hara, T.M., G. Carroll, P. Barboza, K. Mueller, J. Blake, V. Woshner, C. Willetto**. 2001. Mineral and heavy metal status as related to a mortality event and poor recruitment in a moose population in Alaska. *Journal of Wildlife Diseases* 37(3):509-522.
- O’Hara, T.M., J. Dau, G. Carroll, J. Bevins, R.L. Zarnke**. 1998. Evidence of Exposure to *Brucella* Suis Biovar 4 in Northern Alaska Moose. *Alces* 34(1):31-40.
- O’Hara, T.M., J.C. George, J. Blake, K. Burek, G. Carroll, J. Dau, L. Bennett, C.P. McCoy, P. Gerard, V. Woshner**. 2003. Investigation of heavy metals in a large mortality event in caribou of northern Alaska. *Arctic* 56(2):125-135.
- O’Hara, T.M., J.C. George, R.J. Tarpley, K. Burek, R.S. Suydam**. 2002. Sexual maturation in male bowhead whales (*Balaena mysticetus*) of the Bering Sea stock. *Journal of Cetacean Research and Management* 4(2):143-148.
- O’Hara, T.M., M.M. Krahn, D. Boyd, P.R. Becker, L.M. Philo**. 1999. Organochlorine Contaminant Levels in Eskimo Harvested Bowhead Whales of Arctic Alaska. *Journal of Wildlife Diseases* 34(4):741-752.
- O’Hara, T.M., P. Hoekstra, C. Hanns, S. Backus, D. Muir**. 2005. Concentrations of selected persistent organochlorine contaminants in store bought foods from northern Alaska: Human exposure implications. *International Journal of Circumpolar Health* 64(4):3030-313.
- O’Hara T.M., T.F. Albert, E.O. Oen, L.M. Philo, J.C. George, A.L. Ingling**. 1999. The role of Eskimo hunters, veterinarians, and other biologists in improving the humane aspects of the subsistence harvest of bowhead whales. *Journal of the American Veterinary Medical Association* 214(8):1193-1198.
- Pamperin, N.J., E.H. Follmann, **B.T. Person**. 2008. Sea-ice use by arctic foxes in Northern Alaska. *Polar Biology* 31: 1421-1426.
- Pamperin, N.J., E.H. Follmann, **B.T. Person**. **In prep**. Winter movements of arctic foxes in northern Alaska in relation to petroleum development: a comparison between developed and undeveloped Sites. *Canadian Journal of Zoology*.
- Person, B.T., A. Pritchard, G. Carroll, J.C. George, R.S. Suydam, D. Yokel**. 2007. Distribution and movements of the Teshekpuk Lake caribou 1990-2005: before exposure to oil and gas development. *Arctic* 60:238-250
- Person, B.T., C.A. Nicolai, R.J. Ritchie, R.S. Suydam, J. Shook**. **In prep**. Survival, Fidelity, and Harvest of Lesser Snow Geese from an Increasing Colony on the Western Arctic Coastal Plain, Alaska. *Journal of Wildlife Management*.
- Pfeiffer, C.J. 1990. Observations on the Ultrastructural Morphology of the Bowhead Whale (*Balaena mysticetus*) Heart. *Journal of Zoo and Wildlife Medicine* 21(1):48-55.
- Phillips, C.D., J.I. Hoffman, **J.C. George, R.S. Suydam, R.M. Huebinger, J.C. Patton, J.W. Bickham**. 2012. Molecular insights into the historic demography of bowhead whales: understanding the evolutionary basis of contemporary management practices. *Ecology and Evolution* 3(1):18-37, DOI:10.1002/ece3.374.
- Philo, L.M., C.T. Hanns, J.C. George**. 1990. Fractured mandible and associated oral lesions in a subsistence-harvested bowhead whale (*Balaena mysticetus*). *Journal of Wildlife Diseases* 26:125-128.
- Philo, L.M., E.B. Shotts, J.C. George**. 1993. Morbidity and Mortality. In Burns, J. J., J.J. Montague, C.J. Cowles. *The Bowhead Whale*. Special Publication No. 2: The Society for Marine Mammalogy.
- Philo, L.M., J.C. George, T.F. Albert**. 1992. Rope Entanglement of Bowhead Whales (*Balaena mysticetus*). *Marine Mammal Science* 8(3):306-311.
- Poley, L.G., A.J. Magoun, M.D. Robards, **R.L. Klimstra**. 2018. Distribution and occupancy of wolverines on tundra, Northwestern Alaska. *Journal of Wildlife Management*, DOI:10.1002/jwmg.21439.
- Pomerleau, C., L. Horstmann, D. O’Brien, M. McCarthy, S. Ferguson, **R. Stimmelmayer**. **In prep**. Compound-specific stable isotopes of amino acids in bowhead whale skin – Links to trophic transfer and primary productivity in a changing climate. *Oecologia*.
- Potter, J. R., D.K. Mellinger, C.W. Clark. 1994. Marine mammal call discrimination using artificial neural networks. *Journal of the Acoustical Society of America* 96(3):1255-1262.
- Pritchard, A.K., D.A. Yokel, C.L. Rea, **B.T. Person, L.S. Parrett**. 2013. The effect of frequency of telemetry locations on movement rate calculations in arctic caribou. *Wildlife Society Bulletin*, DOI:10.1002/wsb.357.



- Prichard, A.K., G.M. Carroll, **J.C. George**, S.M. Murphy, M.D. Smith, **R.S. Suydam**, D.A. Yokel. 2003. Use of satellite telemetry data, GIS, and HTML to create an interactive display of caribou movements. *Rangifer Special Issue* 14:101-102.
- Prichard, A.K., G.M. Carroll, **J.C. George**, S.M. Murphy, M.D. Smith, **R.S. Suydam**, D.A. Yokel. 2003. Use of satellite telemetry to evaluate movements of caribou within subsistence hunting areas in northern Alaska. *Rangifer Special Issue* 14:81-87.
- Quackenbush, L.T., R.H. Day, B.A. Anderson, F.A. Pitelka, B.J. McCaffery. 2002. Historical and present breeding season distribution of Steller's Eiders in Alaska. *Western Birds* 33(2):99-120.
- Quackenbush, L., **R. Suydam**. 1999. Does the Steller's Eider depend on lemmings? *Endangered Species Bulletin* 24(2):12-13.
- Quackenbush, L., **R. Suydam**. 1999. Periodic nesting of Steller's Eiders (*Polysticta stelleri*) near Barrow, Alaska: 1991-1995. In R.I. Goudie, M.R. Petersen, and G.J. Robertson (eds.). *Behaviour and ecology of sea ducks*. Occasional Paper Number 100. Canadian Wildlife Service, Ottawa.
- Quackenbush, L., **R. Suydam**, T. Obritschkewitsch, M. Deering. 2004. Breeding Biology of Steller's Eiders (*Polysticta stelleri*) near Barrow, Alaska, 1991-99. *Arctic* 57:166-182.
- Quackenbush, L.T., **R. Suydam**, A. Bryan, K.J. Frost, B. Mahoney. 2015. Diet of beluga whales (*Delphinapterus leucas*) in Alaska based on stomach contents from April to November. *Marine Fisheries Review* 77:70-84
- Raftery, A.E., J.E. Zeh. 1998. Estimating bowhead whale population size and rate of increase from the 1993 census. *Journal of the American Statistical Association* 93(442):451-463.
- Raftery, A.E., T. Schweder. 1993. Inference about the Ratio of Two Parameters, with Application to Whale Censusing. *The American Statistician* 47(4):259-264.
- Raghanti, M. A., L. B. Spurlock, F. R. Treichler, S. E. Weigel, **R. Stimmelmayer**, C. Butti, J. G. M. H. Thewissen, P. R. Hof. 2014. An analysis of von Economo neurons in the cerebral cortex of cetaceans, artiodactyls, and perissodactyls. *Brain Structure and Function*, doi:10.1007/s00429-014-0792-y.
- Rand, K., E. Logerwell, B. Bluhm, H. Chenelot, K. Iken, S. Danielson, **L. Sousa**. 2018. Using biological traits and environmental variables to characterize two Arctic epibenthic invertebrate communities in and adjacent to Barrow Canyon. *Deep-Sea Research Part II* 152:154-169.
- Reese, S., J.A. Calvin, **J.C. George**, R.J. Tarpley. 2001. Estimation of fetal growth and gestation in bowhead whales. *Journal of American Statistical Society* 96(455):915-928.
- Reeves RR. 2002. The origins and character of "aboriginal subsistence" whaling: a global review. *Mammal Review* 32:71-106.
- Reeves, R., **C. Rosa**, **J.C. George**, G. Sheffield, M. Moore. 2012. Implications of Arctic industrial growth and strategies to mitigate future vessel and fishing gear impacts on bowhead whales. *Marine Policy* 36:454-462.
- Reeves, R.R., P.J. Ewins, S. Agbayani, M.P. Heide-Jørgensen, K.M. Kovacs, C. Lydersen, **R. Suydam**, W. Elliott, G. Polet, Y. van Dijk, R. Blijleven. 2014. Distribution of endemic cetaceans in relation to hydrocarbon development and commercial shipping in a warming Arctic. *Marine Policy* 44:375-389.
- Reynolds, J., D. Wetzel, **T. O'Hara**. 2006. Human health implications of omega-3 and omega-6 fatty acids in bowhead whale (*Balaena mysticetus*) blubber. *Arctic* 59(2):155-164.
- Reynolds, J.E., III, D.L. Wetzel, **T.M. O'Hara**. 2006. Omega-3 fatty acids and omega-6 fatty acids in blubber of bowhead whales (*Balaena mysticetus*): health implications for subsistence-level cultures. *Arctic* 59(2):155-164.
- Richardson W.J., K.J. Finley, G.W. Miller, R.A. Davis, W.R. Koski. 1995. Feeding, social and migration behavior of bowhead whales, *Balaena mysticetus*, in Baffin Bay vs. the Beaufort Sea - regions with different amounts of human activity. *Marine Mammal Science* 11(1):1-45.
- Riget, F., D. Muir, M. Kwan, T. Savinova, M. Nyman, V. Woshner, **T. O'Hara**. 2005. Circumpolar pattern of mercury and cadmium in ringed seals. *Science of the Total Environment* 351-352:312-322
- Ritchie, R.J., R.M. Burgess, **R.S. Suydam**. 2000. Status and nesting distribution of Lesser Snow Geese (*Chen caerulescens caerulescens*) and Brant (*Branta bernicula nigricans*) on the western Arctic coastal plain, Alaska. *Canadian Field-Naturalist* 114:395-404.
- Romero, L.M., K.K. Soma, K.M. O'Reilly, **R. Suydam**, J.C. Wingfield. 1998. Hormones and territorial behavior during breeding in Snow Buntings (*Plectrophenax nivalis*): an Arctic-breeding songbird. *Hormones and Behavior* 33:40-47.
- Romero, L.M., K.K. Soma, K.M. O'Reilly, **R. Suydam**, J.C. Wingfield. 1997. Territorial behavior, hormonal changes, and body condition in an Arctic-breeding song bird, the redpoll (*Carduelis flammea*). *Behaviour* 134:727-747.
- Rooney A.P., R.L. Honeycutt, J.N. Derr. 2001. Historical population size change of bowhead whales inferred from DNA sequence polymorphism data. *Evolution* 55(8):1678-85.
- Rooney A.P., R.L. Honeycutt, S.K. Davis, J.N. Derr. 1999. Evaluating a putative bottleneck in a population of bowhead whales from patterns of microsatellite diversity and genetic disequilibria. *Journal of Molecular Evolution* 49:682-90.
- Rosa C.**, J. Zeh, **J.C. George**, O. Botta, M. Zaucher, J. Bada, **T.M. O'Hara**. 2013. Age estimates based on aspartic acid racemization for bowhead whales (*Balaena mysticetus*) harvested in 1998-2000 and the relationship between racemization rate and body temperature. *Marine Mammal Science*, 29:424-445.
- Rosa C.**, J.E. Blake, G.R. Bratton, L-A. Dehn, M.J. Gray, **T.M. O'Hara**. 2008. Heavy metal and mineral concentrations and their relationship to histopathological findings in the bowhead whale (*Balaena mysticetus*). *Science of the Total Environment* 399:165-178.

- Rosa, C.**, J.E. Blake, L. Mazzaro, P. Hoekstra, G.M. Ylitalo, **T.M. O'Hara**. 2007. Vitamin A and E tissue distribution with comparisons to organochlorine concentrations in the serum, blubber and liver of the bowhead whale (*Balaena mysticetus*). *Comparative Biochemistry and Physiology. Part B* 148: 454-462.
- Rosa, C.**, J.E. Blake, **T.M. O'Hara**, V. Monnier. 2001. Collagen aging in the bowhead whale (*Balaena mysticetus*). *American Zoologist* 41(6):871.
- Rosa, C.**, **T.M. O'Hara**, P. Hoekstra, K. Refsal J.E. Blake. 2007. Serum thyroid hormone concentrations and thyroid histomorphology as biomarkers in bowhead whales (*Balaena mysticetus*). *Canadian Journal of Zoology* 85:609-618.
- Rugh, D., W. Koski, **J. George**, J. Zeh. 2008. Interyear re-identification of bowhead whales during their spring migration past Barrow, Alaska, 1984-1994. *Journal of Cetacean Research and Management* 10(3):195-200.
- Savory G.A., C.H. Hunter, **B.T. Person**, N.S. Lehner, N.J. Pamperin. **In prep.** The effect of an oil field and sea ice use on arctic fox survival on the Arctic Coastal Plain of Alaska. *Polar Biology*.
- Schell D.M., S.M. Saupe, N. Haubenstock. 1989. Bowhead whale (*Balaena mysticetus*) growth and feeding as estimated by 13-carbon techniques. *Marine Biology* 103:433-43.
- Schell D.M., S.M. Saupe, N. Haubenstock. 1989. Chapter 15: Natural isotope abundance in bowhead whale (*Balaena mysticetus*) baleen: markers of aging and habitat usage. *Stable isotopes in ecological research*. Springer-Verlag New York Inc., pp. 260-269.
- Schoenfuss, H.L., H.H. Bragulla, J. Schumacher, W.G. Henk, **J. C. George**, D.J. Hillmann. 2014. The anatomy of the larynx of the bowhead whale, *Balaena mysticetus*, and its sound-producing functions. *The Anatomical Record Advances in Integrative Anatomy and Evolutionary Biology* 297(7):1316-1330.
- Seguel, M., **R. Stimmelmayer**, E. Howerth, N. Gottdenker. 2016. Pulmonary mast cell tumor in a free-ranging Pacific walrus (*Odobenus rosmarus*). *Journal of Wildlife Diseases* 52(2):407-410.
- Seim, I., S. Ma, X. Zhou, M.V. Gerashchenko, S.-G. Lee, **R. Suydam**, **J.C. George**, J.W. Bickham, V.N. Gladyshev. 2014. The transcriptome of the bowhead whale *Balaena mysticetus* reveals adaptations of the longest-lived mammal. *Aging* 6:879-899, DOI:10.18632/aging.100699.
- Sensor, J.D., **J.C. George**, M.T. Clementz, D.M. Lovano, D.A. Waugh, G.H. Givens, **R. Suydam**, **R. Stimmelmayer**, J.G.M. Thewissen. 2018. Age estimation in bowhead whales using tympanic bulla histology and baleen isotopes. *Marine Mammal Science*, DOI: 10.1111/mms.12476.
- Sensor, J. D., **R. Suydam**, **C. George**, M. C. Liberman, D. Lovano, M. A. Rhaganti, S. Usip, C. J. Vinyard, J. G. M. Thewissen. 2015. The spiral ganglion and rosenthal's canal in beluga whales. *Journal of Morphology* 276:1455-1466.
- Seymour, J., L. Horstmann-Dehn, **C. Rosa**, A. Lopez. 2014. Occurrence and genotypic analysis of *Trichinella* in Alaskan marine-associated mammals of the Bering and Chukchi seas. *Veterinary Parasitology* 200:153-164.
- Sformo, T.L.**, **B. Adams**, J.C. Seigle, J.A. Ferguson, M.K. Purcell, **R. Stimmelmayer**, J.H. Welch, L.M. Ellis, J.C. Leppi, **J.C. George**. 2017. Observations and first reports of saprolegniosis in Aanaakliq, broad whitefish (*Coregonus nasus*), from the Colville River near Nuiqsut, Alaska. *Polar Science* doi.org/10.1016/j.polar.2017.07.002.
- Shelden K.E.W., D.J. Rugh. 1995. The bowhead whale, *Balaena mysticetus*: its historic and current status. *Marine Fisheries Review* 57(3-4):1-20.
- Shotts, E.B., Jr., **T.F. Albert**, R.E. Wooley, J. Brown. 1990. Microflora Associated with the Skin of the Bowhead Whale (*Balaena mysticetus*). *Journal of Wildlife Diseases* 26(3):351-9.
- Shults L.M. 1979. *Ogmogaster antarcticus* Johnston, 1931 (Trematoda: Notocotyliidae) from the bowhead whale, *Balaena mysticetus* L., at Barrow, Alaska. *Canadian Journal of Zoology* 57(6):1347-8.
- Siefker, C., L.G. Rickard, G.T. Pharr, J.A. Simmons, **T.M. O'Hara**. 2002. Molecular characterization of *Cryptosporidium* sp. isolated from northern Alaskan caribou (*Rangifer tarandus*). *Journal of Parasitology* 88(1): 213-216.
- Singer, H.V., J.S. Sedinger, C.A. Nicolai, A.W. Van Dellen, **B.T. Person**. 2012. Timing of adult reginal molt in female Black Brant (*Branta bernicla nigricans*). *The Auk* 129(2):239-246.
- Smith A.W., D.E. Skilling, K. Benirschke, **T.F. Albert**, J.E. Barlough. 1987. Serology and virology of the bowhead whale (*Balaena mysticetus* L.). *Journal of Wildlife Diseases* 23(1):92-8.
- Sousa, L.**, K.O. Coyle, R.P. Barry, T.J. Weingartner, R.R. Hopcroft. 2016. Climate-related variability in abundance of mesozooplankton in the northern Gulf of Alaska 1998-2009. *Deep-Sea Research II* 132: 122-135, doi:10.1016/j.dsr2.2016.04.006.
- Stafford, K., J.J. Citta, S.R. Okkonen, **R.S. Suydam**. 2016. Wind-dependent beluga whale dive behavior in Barrow Canyon, Alaska. *Deep Sea Research Part I* 118:57-65, doi.org/10.1016/j.dsr.2016.10.006.
- Stafford, K.M., M.C. Ferguson, D.D.W. Hauser, S.T. Okkonen, C.L. Berchok, J.J. Citta, J.T. Clarke, E.C. Garland, J. Jones, **R.S. Suydam**. 2016. Beluga whales in the western Beaufort Sea: current state of knowledge on timing, distribution, habitat use, and environmental drivers. *Deep Sea Research II*. (<http://dx.doi.org/10.1016/j.dsr2.2016.11.017>)
- Stimmelmayer, R.**, D. Borchman. 2018. Lens lipidomes among Phocidae and Odobenidae. *Aquatic mammals* 44(5):506-518, DOI 10.1578/AM.44.5.2018.506.
- Stimmelmayer, R.**, D.S. Rotstein, G. Maboni, **B.T. Person**, S. Sanchez. 2018. Morbillivirus-associated lipid pneumonia in Arctic foxes. *Journal of Veterinary Diagnostic Investigation*, DOI:10.1177/1040638718797382.
- Stimmelmayer, R.**, D.S. Rotstein, M. Seguel, N. Gottdenker. 2017. Hepatic lipomas and myelolipomas in subsistence harvested bowhead whales *Balaena mysticetus*, Alaska (USA): A case review 1980-2016. *Diseases of Aquatic Organisms* 127:71-74.

- Stimmelmayer, R.**, G.M. Ylitalo, G. Sheffield, K. Beckmen, K. Burek, V. Metcalf, T. Rowles. 2018. Oil fouling in three subsistence-harvested ringed (*Phoca hispida*) and spotted seals (*Phoca largha*) from the Bering Strait region, Alaska: Polycyclic aromatic hydrocarbon bile and tissue levels and pathological findings. *Marine Pollution Bulletin* 130:311-323.
- Stout, J.H., K.A. Trust, J.F. Cochrane, **R.S. Suydam**, L.T. Quakenbush. 2002. Environmental contaminants in four eider species from Alaska and Arctic Russia. *Environmental Pollution* 119:215-226.
- Streever, B, **R. Suydam**, J.F. Payne, R. Shuchman, R.P. Angliss, G. Balogh, J. Brown, J. Grunblatt, S. Guyer, D.L. Kane, J.J. Kelley, G. Kofinas, D.R. Lassuy, W. Loya, P. Martin, S. Moore, W.S. Pegau, C. Rea, D.J. Reed, **T. Sformo**, M. Strum, J.J. Taylor, T. Viavant, D. Williams, D. Yokel. 2011. Environmental change and potential impacts: applied research priorities for Alaska's North Slope. *Arctic (InfoNorth)* 64(3):390-397.
- Streever, B., R. P. Angliss, **R. Suydam**, M. Ahmaogak, C. Bailey, S. B. Blackwell, **J. C. George**, C. R. Greene, Jr., R. S. Jakubczak, J. Lefevre, T. L. McDonald, T. Napageak, and W. J. Richardson. 2008. Progress through collaboration: a case study examining effects of industrial sounds on bowhead whales. *Bioacoustics* 17:345-347.
- Suydam, R.**, L. Quakenbush, M. Johnson, **J.C. George**, J. Young. 1997. Migration of King and Common Eiders past Point Barrow, Alaska, in spring 1987, spring 1994, and fall 1994. *In*: D.L. Dickson (ed.). *King and Common Eiders of the western Canadian Arctic*. Occasional Paper No. 94. Canadian Wildlife Service, Ottawa.
- Suydam, R.**, M. Wesselmann, K. Bagne, M. Johnson. 1994. Breeding bird census: wet coastal plain tundra I. *Journal of Field Ornithology* 65(supplement):114-115.
- Suydam, R.**, M. Wesselmann, S.A. MacLean, M. Johnson. 1995. Breeding bird census: wet coastal plain tundra I. *Journal of Field Ornithology* 66(supplement):106.
- Suydam, R.S.** 2000. King Eider (*Somateria spectabilis*). *In* A. Poole and F. Gill (Eds.). *The Birds of North America*. The Academy of Natural Sciences, Philadelphia, and The American Ornithologists' Union, Washington D.C.
- Suydam, R.S.**, D.L. Dickson, J.B. Fadely, L.T. Quakenbush. 2000. Population declines of King and Common Eiders of the Beaufort Sea. *Condor* 102:219-222.
- Suydam, R.S.**, **J.C. George**. 1992. Recent sightings of Harbour Porpoises, *Phocoena phocoena*, near Point Barrow, Alaska. *Canadian Field-Naturalist* 106:489-492.
- Suydam, R.S.**, L.F. Lowry, K.J. Frost, G.M. O'Corry-Crowe, D. Pikok Jr. 2001. Satellite tracking of eastern Chukchi Sea beluga whales in the Arctic Ocean. *Arctic* 54:237-243.
- Suydam, R.S.**, L.T. Quakenbush, D.L. Dickson, T. Obritschkewitsch. 2000. Migration of King (*Somateria spectabilis*) and Common eiders (*S. mollissima v-nigra*) past Point Barrow, Alaska during spring and summer/fall 1996. *Canadian Field-Naturalist* 114:444-452.
- Suydam, R.S.**, M.S. Wesselmann. 1993. Breeding bird census: wet coastal plain tundra I. *Journal of Field Ornithology* 64(supplement):100-101.
- Tarpley, R.J., D.J. Hillmann, **J.C. George**, J.E. Zeh, **R. S. Suydam**. 2016. Morphometric correlates of the ovary and ovulatory corpora in the bowhead whale, *Balaena mysticetus*. *The Anatomical Record* 299:769-797. DOI:10.1002/ar.23337
- Tarpley, R.J., D.J. Hillmann, W.G. Henk, **J.C. George**. 1997. Observations on the External Morphology and Vasculature of a Fetal Heart of the Bowhead Whale, *Balaena mysticetus*. *The Anatomical Record* 247: 556-581.
- Tarpley, R.J., G.H. Jarrell, **J.C. George**, J. Cabbage, G.G. Scott. 1995. Male Pseudohermaphroditism in the Bowhead Whale, *Balaena mysticetus*. *The Journal of Mammalogy* 76(4):1267-75.
- Tarpley, R.J., R.F. Sis, **T.F. Albert**, L.M. Dalton, **J.C. George**. 1987. Observations on the Anatomy of the Stomach and Duodenum of the Bowhead Whale, *Balaena mysticetus*. *The American Journal of Anatomy* 180:295-322.
- Thewissen, J.G.M., **J.C. George**, **C. Rosa**, T. Kishida. 2011. Olfaction and brain size in the bowhead whale (*Balaena mysticetus*). *Marine Mammal Science* 27:282-294.
- Thewissen, J.G.M., L.N. Cooper, **J.C. George**, S. Bajpai. 2009. From land to water: the origin of whales, dolphins, and porpoises. *Evolution: Education and Outreach* 2:272-288.
- Thewissen, J.G.M., T.L. Hieronymus, **J.C. George**, **R. Suydam**, **R. Stimmelmayer**, D. McBurney. 2016. Evolutionary aspects of the development of teeth and baleen in the bowhead whale. *Journal of Anatomy* 230:549-566 DOI:10.1111/joa.12579.
- Tittlemier, S., A. Borrell, J. Duffe, P.J. Duignan, P. Fair, A. Hall, P. Hoekstra, K.M. Kovacs, M.M. Krahn, M. Lebeuf, C. Lydersen, D. Muir, **T. O'Hara**, M. Olsson, J. Pranschke, P. Ross, U. Siebert, G. Stern, S. Tanabe, R. Norstrom. 2002. Global distribution of halogenated dimethyl bipyroles in marine mammal blubber. *Archives of Environmental Contamination and Toxicology* 43(2):244-255.
- Von Duyke, A.L.**, D. Douglas. **IN PREP**. Diving and haul out behavior of spotted seals (*Phoca largha*) in the Beaufort, Chukchi, and Bering Seas.
- Von Duyke, A.L.**, D. Douglas. **IN PREP**. Resource selection function of ringed seals (*Pusa hispida*) in the Chukchi Sea.
- VonDuyke, A.L.**, **R. Stimmelmayer**, G. Sheffield, **T. Sformo**, **R. Suydam**, G.H. Givens, **J.C. George**. 2016. Prevalence and abundance of cyamid "whale lice" (*Cyamus ceti*) on subsistence harvested bowhead whales (*Balaena mysticetus*). *Arctic* 69:331-340 (<http://dx.doi.org/10.14430/arctic4593>).
- Wade, T.L., L. Chambers, P.R. Gardinali, J.L. Sericano, T.J. Jackson, R.J. Tarpley, **R. Suydam**. 1997. Toxaphene, PCB, DDT, and chlordane analyses of beluga whale blubber. *Chemosphere* 34:1351-1357.

- Wade, T.L., L. Chambers, P.R. Gardinali, J.L. Sericano, T.J. Jackson, T.J. McDonald, R.J. Tarpley, **R. Suydam**. 1995. High resolution mass spectrometry analyses of toxaphene in the blubber of beluga whales. *Organohalogen Compounds* 26:339-344.
- Waugh, D.A., **R.S. Suydam**, J.D. Ortiz, and J.G.M. Thewissen. 2018. Validation of growth layer group (GLG) depositional rate using daily incremental growth lines in the dentin of beluga (*Delphinapterus leucas*) teeth. *PLOS ONE* 13(1):e0190498. [doi.org/10.1371/journal.pone.0190498](https://doi.org/10.1371/journal.pone.0190498).
- Weingartner, T. J., Y.C. Fang, P. Winsor, E. Dobbins, R. Potter, H. Statscewich, T. Mudge, **L. Sousa**, K. Borg. 2017. The summer hydrographic structure of the Hanna Shoal region on the northeastern Chukchi Sea shelf: 2011-2013. *Deep-Sea Research Part II* 144:6-20. [Dx.doi.org/10.1016/j.dsr2.2017.08.006](https://doi.org/10.1016/j.dsr2.2017.08.006).
- Weingartner, T. J., S.L. Danielson, R.A. Potter, J.H. Trefry, A. Mahoney, M. Savoie, C. Irvine, **L. Sousa**. 2017. Circulation and water properties in the landfast ice zone of the Alaskan Beaufort Sea. *Continental Shelf Research* 148:185-198. [Doi.org/10.1016/j.csr.2017.09.001](https://doi.org/10.1016/j.csr.2017.09.001).
- Werth, A.J. 2007. Adaptations of the cetacean hyolingual apparatus for aquatic feeding and thermoregulation. *The Anatomical Record* 290:546-568.
- Werth, A.J., T.J. Ford, Jr. 2012. Abdominal fat pads act as control surfaces in lieu of dorsal fins in beluga (*Delphinapterus*). *Marine Mammal Science* 28(4):E516-E527.
- Werth, A.J., R.W. Harriss, M.V. Rosario, **J.C. George**, **T.L. Sformo**. 2016. Hydration affects the physical and mechanical properties of baleen tissue. *Royal Society Open Science* 3:160591 DOI:10.1098/rsos.160591.
- Werth, A.J., D. Rita, M.V. Rosario, M.J. Moore, T.L. Sformo. 2018. How do baleen whales stow their filter? A comparative biomechanical analysis of baleen bending. *Journal of Experimental Biology* 221 DOI:10.1242/jeb.189233.
- Wesselmann, M., **R. Suydam**, M. Johnson, K. Bagne. 1994. Breeding bird census: wet coastal plain tundra II. *Journal of Field Ornithology* 65(supplement):115-116.
- Wesselmann, M., **R. Suydam**, M. Johnson, S.A. MacLean. 1995. Breeding bird census: wet coastal plain tundra II. *Journal of Field Ornithology* 66(supplement):106-107.
- Wesselmann, M.S., **R.S. Suydam**. 1993. Breeding bird census: wet coastal plain tundra II. *Journal of Field Ornithology* 64(supplement):101-102.
- Wetzel, D.L., J.E. Reynolds, III, P. Mercurio, G.H. Givens, E.L. Pulster, **J.C. George**. **In Press**. Age estimation for bowhead whales, *Balaena mysticetus*, using aspartic acid racemization with enhanced hydrolysis and derivatization procedures. *Journal of Cetacean Research and Management*.
- Wilson, R.R., A.K. Prichard, L.S. Parrett, **B.T. Person**, G.M. Carroll, M.A. Smith, C.L. Rea, D.A. Yokel. 2012. Summer resource selection and identification of important habitat prior to industrial development for the Teshekpuk Caribou Herd in northern Alaska. *PLoSOne* 7(11):1-14.
- Wingfield, J.C., P. Deviche, S. Sharbough, L.B. Astheimer, R. Holberton, **R. Suydam**, K. Hunt. 1994. Seasonal changes of the adrenocortical responses to stress in redpolls, *Acanthis flammea*, in Alaska. *Journal of Experimental Zoology* 270:372-380.
- Wingfield, J.C., **R. Suydam**, K. Hunt. 1994. The adrenocortical responses to stress in snow buntings (*Plectrophenax nivalis*) and Lapland longspurs (*Calcarius lapponicus*) at Barrow, Alaska. *Comparative Biochemical Physiology* 108B:299-306.
- Woshner, V.M., **T.M. O'Hara**, G.R. Bratton, **R.S. Suydam**, V.R. Beasley. 2001. Concentrations and interactions of selected essential and non-essential elements in bowhead and beluga whales of Arctic Alaska. *Journal of Wildlife Diseases* 37:693-710.
- Woshner, V.M., **T.M. O'Hara**, G.R. Bratton, V.R. Beasley. 2001. Concentrations and interactions of selected essential and non-essential elements in ringed seals and polar bears of Arctic Alaska. *Journal of Wildlife Diseases* 37(4):711-721.
- Woshner, V.M., **T.M. O'Hara**, J. Eurell, M.A. Wallig, G.R. Bratton, **R.S. Suydam**, and V.R. Beasley. 2002. Distribution of inorganic mercury in liver and kidney of beluga and bowhead whales through autometallographic development of light microscopic tissue sections. *Toxicologic Pathology* 30:209-215.
- Yokel, D.A., A.K. Prichard, G. Carroll, L. Parrett, **B. Person**, C. Rea. 2009. Teshekpuk Caribou Herd movement through narrow corridors around Teshekpuk Lake, Alaska. *Alaska Park Science* 8(2):64-67.
- Zeh, J., D. Ko, B. Krogman, R. Sonntag. 1986. A multinomial model for estimating size of a whale population from incomplete census data. *Biometrics* no.42:1-14.
- Zeh, J., D. Poole, G. Miller, W. Koski, L. Baraff, D. Rugh. 2002. Survival of bowhead whales, *Balaena mysticetus*, estimated from 1981-1998 photoidentification data. *Biometrics* 58:832-40.
- Zeh, J.E., A.E. Punt. 2005. Updated 1978-2001 abundance estimates and their correlations for the Bering-Chukchi-Beaufort Seas stock of bowhead whales. *JCRM* 7(2):169-175.
- Zeh, J.E., C.W. Clark, **J.C. George**, D. Withrow, **G.M. Carroll**, W.R. Koski. 1993. Current population size and dynamics. pp 409-489. In: J.J. Burns and J.J. Montague and C.J. Cowles (eds.). *The Bowhead Whale*. Special publication No. 2 of the Society of Marine Mammalogy.
- Zeh, J.E., D. Ko, B.D. Krogman, R. Sonntag. 1986. A Multinomial Model for Estimating the Size of a Whale Population from Incomplete Census Data. *Biometrics* 42:1-14.
- Zeh, J.E., **J.C. George**, A.E. Raftery, G.M. Carroll. 1991. Rate of Increase, 1978-1988, of Bowhead Whales, *Balaena mysticetus*, estimated from Ice-Based Census Data. *Marine Mammal Science* 7(2):105-122.
- Zhu Q. 1997. First record of an eye disease in the bowhead whale (*Balaena mysticetus*). *Chinese Journal of Oceanology and Limnology* 15(2):192.

Zhu, Q., D.J. Hillmann, W.G. Henk. 2000. Observations on the Muscles of the Eye of the Bowhead Whale, *Balaena mysticetus*. The Anatomical Record 259:189-204.

## IWC REPORTS

- Albert, T.** 1982. Funding for the year 1982 for bowhead whale research provided by the North Slope Borough and the Alaska Eskimo Whaling Commission. Submitted as paper SC/34/PS18 to the Scientific Committee of the International Whaling Commission, July 1982.
- Albert, T.** 1985. Scientific Research Activities Concerning the Collection and Distribution of Marine Mammal Specimen Materials Under Authority of Permit #345 Issued by the National Marine Fisheries Service. Report to the National Marine Fisheries Service, Washington, D.C., from the North Slope Borough, Box 69, Barrow, Alaska 99723. (This report was also submitted as paper SC/37/PS18 to the Scientific Committee of the International Whaling Commission, July 1985.)
- Albert, T.** (Ed.) 1990. Fifth Conference on the Biology of the Bowhead Whale, *Balaena mysticetus*: Extended Abstracts and Panel Discussions. Conference held April 1-3, 1990, Anchorage, AK sponsored by the North Slope Borough, Box 69, Barrow, AK. Submitted as paper SC/43/PS17 to the Scientific Committee of the International Whaling Commission, May 1991.
- Albert, T., R. Dronenburg, J. George.** 1984. An overview of studies being conducted by the North Slope Borough (Alaska) that pertain to the bowhead whale. Submitted as paper SC/36/PS12 to the Scientific Committee of the International Whaling Commission, June 1984.
- Albert, T.F.** 1982. First conference on the biology of the bowhead whale *Balaena mysticetus*: population assessment. Paper SC/34/PS19 presented to the IWC Scientific Committee, June 1982
- Archer, E., K.K. Martien, B.L. Taylor, R.G. Leduc, G. Givens, **J.C. George.** 2007. Use of an individual-based simulation of BCB bowhead whale population dynamics to examine empirical genetic data. Submitted as paper SC/59/BRG17 to the Scientific Committee of the International Whaling Commission, 2007.
- Baird, A.B., A.R. Rimmelin, C.Q. Tran, **J.C. George, R.S. Suydam, J.W. Bickham.** 2015. Continued development of mtDNA and SNP databases for bowhead whales. Submitted as paper SC/66a/BRG12 to the Scientific Committee of the International Whaling Commission, May 2015.
- Baird, A.B., G.H. Givens, **J.C. George, R.S. Suydam, J.W. Bickham.** 2018. Stock structure of bowhead whales inferred from mtDNA and SNP data. Submitted as paper SC/67B/SDDNA/01 to the Scientific Committee of the International Whaling Commission, May 2018.
- Baird, A.B., **J.C. George, R.S. Suydam, J.W. Bickham.** 2016. Population genetic studies of bowheads based on mtDNA sequences and SNPs. Submitted as paper SC/66b/BRG07 to the Scientific Committee of the International Whaling Commission, June 2016.
- Baird, A.B., M. Georges, H. Harper, A. Holbert, **J.C. George, R.S. Suydam, J.W. Bickham.** 2017. Progress report about mtDNA and SNP databases for Bering-Chukchi-Beaufort Seas bowhead whales. (Updates SC/66b/BRG07) Submitted as paper SC/67a/SDDNA/03 to the Scientific Committee of the International Whaling Commission, May 2017.
- Baird, A.B., **R.S. Suydam, J.C. George, J.W. Bickham.** 2014. Update on the mtDNA and SNP database for bowhead whales. Submitted as paper SC/65b/BRG13 to the Scientific Committee of the International Whaling Commission, May 2014.
- Bickham, J.W., C.W. Matson, E.M. Oziolor, **R. Suydam, J.C. George, A.B. Baird.** 2014. Genome size of the bowhead whale (*Balaena mysticetus*). Submitted as paper SC/65b/BRG04 to the Scientific Committee of the International Whaling Commission, May 2014.
- Bickham, J.W., G.W. Stuart, H.K. Downing, J.C. Patton, **J.C. George, R.S. Suydam.** 2013. Comparison of methods for molecular assessment of sex chromosome polymorphisms and levels of genetic diversity in the bowhead whale. Submitted as paper SC/65a/BRG11 to the Scientific Committee of the International Whaling Commission, June 2013.
- Bickham, J.W., G.W. Stuart, J.C. Patton, **J.C. George, R.S. Suydam.** 2012. Bowhead whale genome project: progress on the transcriptome. Submitted as paper SC/64/BRG8 to the Scientific Committee of the International Whaling Commission, July 2012.
- Bickham, J.W., **J.C. George, R. Suydam.** 2016. Meeting to discuss the biology and genomics of bowhead whales. Submitted as paper SC/66b/BRG17 to the Scientific Committee of the International Whaling Commission, 2016.
- Bickham, J.W., J.C. Patton, G.W. Stuart, **J.C. George, R.S. Suydam.** 2014. Bowhead whale genome project: progress report on the transcriptome. Submitted as paper SC/65b/BRG09 to the Scientific Committee of the International Whaling Commission, May 2014.
- Bickham, J. W., R.M. Huebinger, C.D. Phillips, J.C. Patton, R. LeDuc, L.D. Postma, **J.C. George, R. Suydam.** 2009. Assessing molecular substitution patterns in the mitochondrial control region compared to protein coding genes in two marine mammals. Submitted as paper SC/61/BRG7 to the Scientific Committee of the International Whaling Commission, June 2009.
- Bickham, J.W., R.M. Huebinger, C.D. Phillips, J.C. Patton, L.D. Postma, **J.C. George, R.S. Suydam.** 2012. Assessing molecular substitution patterns in the mitochondrial control region compared to protein coding genes in bowhead whales: update of SC/63/BRG13. Submitted as paper SC/64/AWMP9 to the presented to the Scientific Committee of the International Whaling Commission, June 2012, Panama City, Panama.

- Bickham, J.W., R.M. Huebinger, J.C. Patton, **J.C. George**, **R.S. Suydam**. 2005. Progress report on the development of new microsatellite markers for bowhead whales. Submitted as paper SC/57/BRG19 to the Scientific Committee of the International Whaling Commission, June 2005.
- Brattstorm, L.V., J. Mocklin, B. Tudor, **J.C. George**, G.H. Givens. 2016. Update on the bowhead whale aerial photoID program and 2011 aerial spring survey. Submitted as paper SC/66b/BRG04 to the Scientific Committee of the International Whaling Commission, 2016.
- Broadhead, G. 1984. Estimation of gross recruitment of Alaska bowhead whales. Submitted as paper SC/36/PS4 to the Scientific Committee of the International Whaling Commission, June 1984.
- Clark, C. 1983. The Use of Bowhead Vocalizations to Augment Visual Censusing Estimates on the Number of Whales Migrating Off Barrow, Alaska in the Spring of 1980. Report to the North Slope Borough, Box 69, Barrow, AK from The Rockefeller University, Tyrrel Road, Millbrook, NY 12545. 21 pp. (Also submitted as paper SC/35/PS13 to the Scientific Committee of the International Whaling Commission, July 1983.)
- Clark, C. 1989. The use of bowhead whale call tracks based on call characteristics as an independent means of determining tracking parameters. Appendix 2 of Annex G, Report of the Sub-Committee of Protected Species and Aboriginal Subsistence Whaling, Report to the International Whaling Commission 39:111-113.
- Clark, C. 1995. Description and evaluation of the 1993 acoustic location method used for the analysis of acoustic data collected during the 1993 spring migration off Point Barrow, Alaska. Submitted as paper SC/47/AS23 to the Scientific Committee of the International Whaling Commission, May 1995.
- Clark, C., J. Bower. 1991. Intercall intervals and acoustic tracks of bowhead whales off Point Barrow, Alaska, based on passive acoustics. Submitted as paper SC/43/PS20 to the Scientific Committee of the International Whaling Commission, May 1991.
- Clark, C., J. Bower, L. Brown, W. Ellison. 1991. Received levels for bowhead whale sounds recorded off Point Barrow, Alaska, in Spring 1988: preliminary results. Submitted as paper SC/43/PS21 to the Scientific Committee of the International Whaling Commission, May 1991.
- Clark, C., J. Bower, W. Ellison. 1989. Acoustic tracks of migrating bowhead whales, *Balaena mysticetus*, off Point Barrow, Alaska based on vocal characteristics. Submitted as paper SC/41/PS6 to the Scientific Committee of the International Whaling Commission, June 1989.
- Clark, C., W. Ellison. 1985. Acoustic tracking and distribution of migrating bowhead whales, *Balaena mysticetus*, off Point Barrow, Alaska in the spring of 1984. Submitted as paper SC/37/PS11 to the Scientific Committee of the International Whaling Commission, July 1985.
- Clark, C., W. Ellison. 1988. Numbers and distributions of bowhead whales, *Balaena mysticetus*, based on the 1985 acoustic study off Pt. Barrow, Alaska. Report to the International Whaling Commission. 38:365-370.
- Clark, C., W. Ellison. 1989. Numbers and distributions of bowhead whales, *Balaena mysticetus*, based on the 1986 acoustic study off Pt. Barrow, Alaska. Report to the International Whaling Commission 39:297-303.
- Clark, C., W. Ellison, K. Beeman. 1985. Acoustic tracking and distribution of migrating bowhead whales, *Balaena mysticetus*, off Point Barrow, Alaska in the spring of 1984. Submitted as paper SC/37/PS11 to the Scientific Committee of the International Whaling Commission, July 1985.
- Clark, C., W. Ellison, K. Beeman. 1986. A preliminary account of the acoustic study conducted during the 1985 spring bowhead whale, *Balaena mysticetus*, migration off Point Barrow, Alaska. Report to the International Whaling Commission 36:311-316.
- Clark, C., W. Ellison, K. Beeman. 1986. Progress report on the analysis of the spring 1985 acoustic data regarding migrating bowhead whales, *Balaena mysticetus*, near Point Barrow, Alaska. Submitted as paper SC/38/PS6 to the Scientific Committee of the International Whaling Commission, May 1986.
- Clark, C.W., **J.C. George**, A. Graves. 2001. Preliminary analysis of acoustic data from the spring 2001 bowhead whale census off Pt. Barrow, Alaska. Submitted as paper SC/53/BRG17 to the Scientific Committee of the International Whaling Commission, July 2001.
- Clark, C.W., K. Cortopassi, D. Ponirakis, M. Fowler, K.M. Fristrup, **J.C. George**. 2006. Seasonal variation in acoustic characteristics of bowhead whale (*Balaena mysticetus*) sounds during the spring 2001 migration off Pt. Barrow, Alaska. Paper SC/58/BRG10 presented to the IWC Scientific Committee, June 2006, St Kitts and Nevis, WI. 12pp.
- Clark, C.W., R. Charif, S. Mitchell, J. Colby. 1996. Distribution and behavior of the bowhead whale, *Balaena mysticetus*, based on analysis of acoustic data collected during the 1993 spring migration off Point Barrow, Alaska. Report to the International Whaling Commission 46:541-552.
- Clark, C.W., S. Mitchell, R. Charif. 1994. Distribution and behavior of the bowhead whale, *Balaena mysticetus*, based on preliminary analysis of acoustic data collected during the 1993 spring migration off Point Barrow, Alaska. Submitted as paper SC/46/AS19 to the Scientific Committee of the International Whaling Commission, May 1994.
- Cummings, W., D. Holliday, D.W. Ellison, B. Graham. 1983. Technical Feasibility of Passive Acoustic Location of Bowhead Whales in Population Studies off Point Barrow, Alaska. Report to the North Slope Borough, Box 69, Barrow, AK from Tracor Applied Sciences, 9150 Chesapeake Drive, San Diego, CA 92123. 169 pp. (Also submitted as paper SC/35/PS19 to the Scientific Committee of the International Whaling Commission, July 1983.)
- DeMaster, D., D. Rugh, A.P. Rooney, J. Breiwick, K. Shelden, S. Moore. 2000. A review of bowhead whale (*Balaena mysticetus*) stock identity. Submitted as paper SC/52/SD4 to the Scientific Committee of the International Whaling Commission, June 2000.

- DeMaster, D., G. Givens. 1995. A comparison of principles used by the International Whaling Commission to manage commercial and subsistence whaling. Submitted as paper SC/47/AS7 to the Scientific Committee of the International Whaling Commission, May 1995.
- Donovan, G.P. (ed.). 1982. Report of the International Whaling Commission (Special Issue 4). Aboriginal Subsistence Whaling (with special reference to the Alaska and Greenland fisheries). International Whaling Commission, Cambridge. 86pp
- Dronenburg, R., **G. Carroll**, D. Rugh, W. Marquette. 1983. Report of the 1982 spring bowhead whale census and harvest monitoring including 1981 Fall harvest results. Report to the International Whaling Commission 33: 525-537.
- Dronenburg, R., **G.M. Carroll**, **J.C. George**, R.M. Sonntag, B.D. Krogman, J.E. Zeh. 1985. Final Report of the 1983 Spring Bowhead Whale Census and Harvest and Monitoring including the 1982 Fall Harvest Results. Report to the International Whaling Commission 34:433-444. SC/37/PS8.
- Dronenburg, R.B., **J.C. George**, B.D. Krogman, R.M. Sonntag, J. Zeh. 1986. Report of the 1984 spring bowhead whale (*Balaena mysticetus*) ice-based visual census. Reports to the International Whaling Commission 37:293-298.
- Ellison, W., C. Clark, G. Bishop. 1987. Potential use of surface reverberation by bowhead whales, *Balaena mysticetus*, in under-ice navigation: preliminary considerations. Report to the International Whaling Commission 37:329-332.
- Ellison, W., C. Clark, K. Beeman. 1985. Acoustic location techniques and calibration methods used during the spring 1984 and 1985 bowhead whale, *Balaena mysticetus*, migrations. Submitted as paper SC/37/PS10 to the Scientific Committee of the International Whaling Commission, July 1985.
- Ellison, W., R. Sonntag, C. Clark. 1987. Comparison of measured bowhead whale, *Balaena mysticetus*, migration parameters with results from the tracking algorithm. Report to the International Whaling Commission 37: 309-311.
- Ferguson, M.C., G.H. Givens, J.T. Clarke, A. Willoughby, A. Brower, **J.C. George**. 2017. A minimum abundance estimate of BCB bowhead whales in the western Beaufort Sea in late August, 2016. Submitted as paper SC/67a/AWMP/08 to the Scientific Committee of the International Whaling Commission, May 2017.
- Follmann, E., A. Manning. 1984. Instrumentation of Whale Harpoon Floats with Radio-transmitters. Report for the Period March 1, 1983 through June 30, 1984 to the North Slope Borough, Box 69, Barrow, AK from the Institute of Arctic Biology, University of Alaska, Fairbanks, AK. 38 pp. This was also submitted as paper SC/37/PS19 to the Scientific Committee of the International Whaling Commission, July 1985.
- Follmann, E.H., A.E. Manning. 1988. The use of radio telemetry in instrumenting whale floats as an aid in the recovery of struck but lost bowhead whales (*Balaena mysticetus*). Submitted as paper SC/40/PS9 to the Scientific Committee of the International Whaling Commission, May 1988.
- Fristrup, K. and C. Clark. 1997. Combining visual and acoustic survey data to enhance density estimation. Report of the International Whaling Commission 47: 933-936.
- Gambell, R. 1982. The bowhead whale problem and the International Whaling Commission. Report of the International Whaling Commission (Special Issue 4):1-6.
- Gentlemen, R., J. Zeh. 1987. A statistical model for estimating the number of bowhead whales, *Balaena mysticetus*, passing a census point from combined visual and acoustic data. Report to the International Whaling Commission 37:313-327.
- George, J.C.**, B. Tudor, G. Givens, J. Mocklin, L. Brattstrom. 2017. Initial investigations of bowhead whale entanglements, scar frequency and acquisition rates via aerial photography. Submitted as paper SC/67a/HIM/04 to the Scientific Committee of the International Whaling Commission, 2017.
- George, J.C.**, C. Nicolson, S. Drobot, J. Maslanik. 2005. Progress Report: Sea Ice Density and Bowhead Whale Body Condition. Submitted as paper SC/57/E13 to the Scientific Committee of the International Whaling Commission, Ulsan Korea, 2005.
- George, J.C.**, C. Nicolson, S. Drobot, J. Maslanik, **C. Rosa**. 2009. Update on SC/57/E13: Sea Ice Density and Bowhead Whale Body Condition. Submitted as paper SC/F09/CC1 to the Scientific Committee of the International Whaling Commission, 2009.
- George, J.C.**, D.J. Rugh, J.E. Zeh. 1995. Effects of sea ice conditions on the distribution of migrating bowhead whales in spring lead systems near Point Barrow, Alaska. Submitted as paper SC/47/AS13 to the Scientific Committee of the International Whaling Commission, May 1995.
- George, J.C.**, D.L. Wetzel, L. Dehn, **T.M. O'Hara**, T.M. Robertson, R.G. LeDuc, J.E. Reynolds, III, 2008. An Analysis of Ancient Bowhead Whale Mangtak from Gambell Alaska: What can it tell us? Submitted as paper SC/60/E2 to the Scientific Committee of the International Whaling Commission, 2008.
- George, J.C.**, E.H. Follmann, J. Zeh, M. Sousa, R. Tarpley, **R. Suydam**. 2004. Inferences from bowhead whale ovarian and pregnancy data: age estimates, length at sexual maturity and ovulation rates. Submitted as paper SC/56/BRG8 to the Scientific Committee of the International Whaling Commission, July 2004.
- George, J.C.**, G. Sheffield, D.J. Reed, B. Tudor, **R. Suydam**. 2015. Evidence of injuries from line entanglements, killer whales, and ship strikes on Bering-Chukchi-Beaufort Sea Bowhead Whales. Submitted as paper SC/66a/HIM10 to the International Whaling Commission Scientific Committee, May 2015.
- George, J. C.**, G.H. Givens, **J. Herreman**, R.A. Delong, B. Tudor, **R. Suydam**, L. Kendall. 2011. Report of the 2010 bowhead whale survey at barrow with emphasis on methods for matching sightings from paired independent observations. Submitted as paper SC/63/BRG3 to the Scientific Committee of the International Whaling Commission, July 2011.
- George, J.C.**, G.H. Givens, **R. Suydam**, **J. Herreman**, J. Mocklin, B. Tudor, R. Delong, C. Clark, R.A. Charif, A. Rahaman. 2013. Summary of the spring 2011 ice-based visual, acoustic, and aerial photo-identification survey of bowhead whales conducted

- near Point Barrow, Alaska. Submitted as paper SC/65a/BRG11 to the Scientific Committee of the International Whaling Commission, June 2013.
- George, J.C., G.M. Carroll, L.M. Philo.** 1988. Preliminary Report on Bowhead Whale, *Balaena mysticetus*, Census-Related Field Activities During Spring 1987 Off Point Barrow, Alaska. Report to the International Whaling Commission 38:393-399.
- George, J., G. Carroll, L. Philo, T. Albert.** 1990. Bowhead whale census related activities during spring 1989, with observations on the subsistence hunt: preliminary findings. Annex L, Report of the Scientific Committee, Report of the International Whaling Commission 40:169.
- George, J.C., G.M. Carroll, L.M. Philo, T.F. Albert.** 1990. Report of Field Activities of the Spring 1988 Census of Bowhead Whales (*Balaena mysticetus*) off Point Barrow, Alaska with Observations on the Subsistence Hunt. Report to the International Whaling Commission 40:383-391.
- George, J.C., G.M. Carroll, R.J. Tarpley, T.F. Albert, R.L. Yackley.** 1987. Report of Field Activities Pertaining to the Spring 1986 Census of Bowhead Whales (*Balaena mysticetus*), Off Point Barrow, Alaska With Observations on the Subsistence Hunt. Report to the International Whaling Commission 37:301-308.
- George, J.C., J. Herreman, G.H. Givens, M. Ferguson, R. Suydam, J. Mocklin, C. Clark, B. Tudor, K. Stafford, R. DeLong, C. Accardo, V. Beaver, A. Brower, C. Christman, B. Rone, D. Rugh, R. Shea, L. Vate Brattström.** 2011. Update on the 2011 bowhead whale abundance survey near Point Barrow, Alaska. Submitted as paper SC/63/WP to the Scientific Committee of the International Whaling Commission, July 2011.
- George, J.C., J. Herreman, G.H. Givens, R. Suydam, J. Mocklin, C. Clark, B. Tudor, K. Stafford, R. DeLong, D. Rugh.** 2012. Brief review of the 2010 and 2011 bowhead whale abundance surveys near Point Barrow, Alaska. Submitted as paper SC/64/AWMP7 to the Scientific Committee of the International Whaling Commission, July 2012.
- George, J.C., J.E. Zeh.** 2012. Population trend, 1978–2004, of Bering-Chukchi-Beaufort bowhead whales (*Balaena mysticetus*). Submitted as paper SC/64/AWMP5 to the Scientific Committee of the International Whaling Commission, July 2012.
- George, J.C., J. Zeh, R. Suydam, C. Clark.** 2002. Population size of the Bering-Chukchi-Beaufort seas stock of bowhead whales, *Balaena mysticetus*, based on the 2001 census off Point Barrow, Alaska. Submitted as paper SC/54/BRG5 to the Scientific Committee of the International Whaling Commission, May 2002.
- George, J.C., J. Zeh, R. Suydam, C. Clark.** 2003. Abundance estimate and rate of increase of and rate of increase of the Bering-Chukchi-Beaufort seas stock of bowhead whales (*Balaena mysticetus*) based on the 2001 census Off point Barrow, Alaska. 2003. Submitted as paper SC/55/BRG7 to the Scientific Committee of the International Whaling Commission, May, 2003, Berlin, Germany.
- George, J.C., J.R. Bockstoce, A.E. Punt, D.B. Botkin.** 2007. Preliminary estimates of bowhead whale body mass and length from Yankee commercial oil yield records. Submitted as paper SC/59/BRG5 to the Scientific Committee of the International Whaling Commission, 2007.
- George, J.C., J.W. Bickham, G. Givens, R. Leduc, V. Melnikov, S. Moore, P. Morin, D. Rugh, R. Suydam, B.L. Taylor, P. Wade, J. Zeh.** 2005. Update on stock structure research on the Bering-Chukchi-Beaufort Seas stock of bowhead whales. Submitted as paper SC/57/BRG21 to the Scientific Committee of the International Whaling Commission, June 2005.
- George, J.C., L.M. Philo, G.M. Carroll, T.F. Albert.** 1988. 1987 Subsistence Harvest of Bowhead Whales, *Balaena mysticetus*, by Alaskan Eskimos. Report to the International Whaling Commission 38:389-392.
- George, J.C., L.M. Philo, R. Suydam, R. Tarpley, T.F. Albert.** 1992. Summary of the 1989 and 1990 subsistence harvests of Bowhead Whales (*Balaena mysticetus*) by Alaskan Eskimos. Report to the International Whaling Commission 42:479-483. Submitted as paper SC/43/PS18 to the International Whaling Commission Scientific Committee, May 1991.
- George, J.C., R. Stimmelmayer, A. Brower, J. Clarke, M. Ferguson, A. Von Duyke, G. Sheffield, K. Stafford, T. Sformo, B. Person, L. Sousa, B. Tudor, R. Suydam.** 2017. 2016 Health Report for the Bering-Chukchi-Beaufort Seas Bowhead Whales – Preliminary Findings. Submitted as paper SC/67a/AWMP/10 to the Scientific Committee of the International Whaling Commission, May 2017.
- George, J.C., R. Suydam.** 2009. Preliminary report of the spring 2009 ice-based bowhead whale census activities near Barrow, Alaska. Submitted as paper SC/61/BRG23 to the Scientific Committee of the International Whaling Commission, June 2009.
- George, J.C., R. Suydam, G.H. Givens, J. Bickham, R. Stimmelmayer, S. Moore, J. Zeh.** 2012. Selected research relevant to the 2012 bowhead implementation review. Submitted as paper SC/64/AWMP6 to the Scientific Committee of the International Whaling Commission, July 2012.
- George, J.C., R. Suydam, J. Zeh, W.R. Koski.** 2004. Estimated pregnancy rates of bowhead whales from examinations of landed whales. Submitted as paper SC/56/BRG10 to the Scientific Committee of the International Whaling Commission, July 2004.
- George, J.C., R. Suydam, G. Givens, L. Horstmann, R. Stimmelmayer, G. Sheffield.** 2018. Length at sexual maturity and pregnancy rates of Bering-Chukchi-Beaufort Seas bowhead whales. Submitted as paper SC/67B/AWMP/07 to the Scientific Committee of the International Whaling Commission, May 2018.
- George, J.C., R. Suydam, R. Stimmelmayer.** 2016. A possible structure of a bowhead whale health report. Submitted as paper SC/66b/BRG14 to the Scientific Committee of the International Whaling Commission, 2016.
- George, J.C., R.J. Tarpley.** 1986. Observations on the 1984 and 1985 Subsistence Harvest of Bowhead Whales, *Balaena mysticetus*, with a Note on the Fall 1983 Harvest. Reports to the International Whaling Commission 37:339-342.



- George, J.C., R.S. Suydam.** 2000. Preliminary findings from census activities for the Bering-Chukchi-Beaufort seas stock of bowhead whales at Point Barrow, Alaska: 1999 and 2000. Submitted as paper SC/52/AS25 to the Scientific Committee of the International Whale Commission, July 2000.
- George, J.C., R.S. Suydam.** 2006. Length estimates of bowhead whale (*Balaena mysticetus*) calves. Submitted as paper SC/58/BRG23 to the Scientific Committee of the International Whaling Commission, June 2006.
- George, J.C., R.S. Suydam.** 2014. Update on characteristics of bowhead whale (*Balaena mysticetus*) calves. Submitted as paper SC/65b/BRG20 to the Scientific Committee of the International Whaling Commission, May 2014.
- George, J.C., R.S. Suydam, L.M. Philo, T.F. Albert, J.E. Zeh, G.M. Carroll.** 1995. Report of the spring 1993 census of Bowhead Whales, *Balaena mysticetus*, off Point Barrow, Alaska, with observations on the 1993 subsistence hunt of Bowhead Whales by Alaska Eskimos. Report to the International Whaling Commission 45:371-384.
- George, J.C., R.S. Suydam, T. O'Hara, E.H. Follmann, T.F. Albert.** 2005. Preliminary quantitative characterization of some aspects of the external morphology of bowhead whales (*Balaena mysticetus*) of the Bering-Chukchi-Beaufort Seas stock. Submitted as paper SC/57/BRG17 to the Scientific Committee of the International Whaling Commission, June 2005.
- George, J.C., R.S. Suydam, T. Chandler, M. Irinaga, J. Petersen.** 2001. Preliminary report of the spring 2001 census of bowhead whales, *Balaena mysticetus*, off Point Barrow, Alaska. Submitted as paper SC/53/BRG9 to the Scientific Committee of the International Whaling Commission, July 2001.
- George, J.C., R.S. Suydam, T.M. O'Hara, G. Sheffield.** 2000. Subsistence harvest of bowhead whales by Alaskan Eskimos during 1999. Submitted as paper SC/52/AS24 to the Scientific Committee of the International Whale Commission, July 2000.
- George, J.C., S.E. Moore.** 2006. Hypothetical stock structure archetypes for the Bering-Chukchi-Beaufort Seas bowhead whale population. Paper SC/58/BRG27 presented to the IWC Scientific Committee, June 2006, St Kitts and Nevis, WI. 20pp.
- George, J.C., S. Moore, R. Suydam.** 2006. Update on stock structure research on the Bering-Chukchi-Beaufort seas stock of bowhead whales. Submitted as paper SC/58/BRG24 to the Scientific Committee of the International Whaling Commission, June 2006.
- George, J.C., S.E. Moore, R. Suydam.** 2007. Summary of stock structure research on the Bering-Chukchi-Beaufort Seas stock of bowhead whales 2003-2007. Submitted as paper SC/59/BRG3 to the Scientific Committee of the International Whaling Commission, 2007.
- George, J.C., T.M. O'Hara, H. Brower, Jr., R. Suydam.** 1998. Results of the 1997 subsistence harvest of bowhead whales by Alaskan Eskimos with observations on the influence of environmental conditions on the success of hunting bowhead whales off Barrow, Alaska. Submitted as paper SC/50/AS9 to the Scientific Committee of the International Whaling Commission, May 1998.
- George, J.C., T.M. O'Hara, R. Suydam.** 1999. Observations on the 1998 subsistence harvest of bowhead whales by Alaskan Eskimos with a note on the late 1998 and early 1999 environmental conditions near Barrow, Alaska. Submitted as paper SC/51/AS22 to the Scientific Committee of the International Whaling Commission, May 1999.
- George, J.C., W.R. Koski, R. Suydam, D. Rugh.** 2004. Body stretching of bowhead whales during hauling and butchering during the subsistence hunt. Submitted as paper SC/56/BRG9 to the Scientific Committee of the International Whaling Commission, July 2004.
- Givens, G.H. 1995. Confirmation of the 1994 Scientific Committee assessment of the Bering-Chukchi-Beaufort Seas stock of bowhead whales, and further sensitivity trials. 15 pages. Submitted as paper SC/47/AS15 to the Scientific Committee of the International Whaling Commission, May 1995. pp. 15.
- Givens, G. 1995. Assessment of the Bering-Chukchi-Beaufort Seas stock of bowhead whales with updated abundance and trend data. Submitted as paper SC/47/AS24 to the Scientific Committee of the International Whaling Commission, May 1995.
- Givens, G. 1998. AWMP development and diverse prototypes. Report of the International Whaling Commission 48: 483-495.
- Givens, G. 2001. A strike limit algorithm for management of aboriginal whaling for the Bering-Chukchi-Beaufort Seas stock of bowhead whales. Paper SC/53/AWMP3 presented to the International Whaling Commission.
- Givens, G. 2001. A merging of two strike limit algorithms for management of aboriginal whaling for the Bering-Chukchi-Beaufort Seas stock of bowhead whales. Paper SC/53/AWMP4 presented to the International Whaling Commission.
- Givens, G., D. Thomas. 1997. Bowhead aboriginal management scheme trials and statistics. Report of the International Whaling Commission 47: 851-864.
- Givens, G., D. Thomas. 1997. Sample bowhead aboriginal whaling management scheme trials. Report of the International Whaling Commission 47: 875-884.
- Givens, G., J. Zeh. 1996. Bowhead management history. Submitted as paper SC/48/AS13 to the International Whaling Commission Scientific Committee, June 1996. pp. 2.
- Givens, G., J. Zeh, A. Raftery. 1996. Implementing the current management regime for aboriginal subsistence whaling to establish a catch limit for the Bering-Chukchi-Beaufort Seas stock of bowhead whales. Report of the International Whaling Commission 46: 493-499.
- Givens, G., M. Williams, P.A. Morin, B. Hancock, B., **J.C. George.** 2007. A brief and preliminary look at SNPs data for some Bering-Chukchi-Beaufort Seas bowhead whales. Submitted as paper SC/59/BRG11 to the Scientific Committee of the International Whaling Commission, 2007.

- Givens, G., R.M. Huebinger, J.W. Bickham, **J.C. George, R.S. Suydam**. 2007. Patterns of genetic differentiation in bowhead whales (*Balaena mysticetus*) from the western Arctic. Submitted as paper SC/59/BRG14 to the Scientific Committee of the International Whaling Commission, 2007.
- Givens, G.H., A.E. Punt, J. Zeh. 2006. The scenario space for the Bowhead SLA Implementation Review: a search for plausible trials exhibiting management risk. Submitted as paper SC/58/AWMP8 to the Scientific Committee of the International Whaling Commission, 2006.
- Givens, G.H.(Chair), C. Allison, G. Donovan, **J.C. George, J. Scordino, M. Stachowitsch, R. Suydam, R. Tiedemann, L. Witting**. 2018. Report of the Intersessional Correspondence Group on Drafting an Aboriginal Whaling Scheme. Submitted as paper SC/67B/AWMP/21 to the Scientific Committee of the International Whaling Commission, May 2018.
- Givens, G.H., I. Ozaksoy. 2006. Transience of a temporal lag correlation feature in bowhead microsatellites. Submitted as paper SC/58/BRG18 to the Scientific Committee of the International Whaling Commission, 2006.
- Givens, G.H., I. Ozaksoy. 2006. Population structure and covariate analysis based on pairwise microsatellite allele matching frequencies (revised). Submitted as paper SC/58/SD3 to the Scientific Committee of the International Whaling Commission, 2006.
- Givens, G.H., J.A. Mocklin, L.Vate Brattstrom, B.J. Tudor, W.R. Koski, **J.C. George, J.E. Zeh, R. Suydam**. 2017. Survival rate and 2011 abundance of Bering-Chukchi-Beaufort Seas bowhead whales from photo-identification data over three decades. Submitted as paper SC/67a/AWMP/09 to the Scientific Committee of the International Whaling Commission, May 2017.
- Givens, G.H., J.A. Mocklin, L.Vate Brattstrom, B.J. Tudor, W.R. Koski, J.E. Zeh, **R. Suydam, J.C. George**. 2018. Adult survival rate and 2011 abundance of Bering-Chukchi-Beaufort Seas bowhead whales from photo-identification data over three decades. Submitted as paper SC/67B/AWMP/01 REV1 to the Scientific Committee of the International Whaling Commission, May 2018.
- Givens, G.H., **J.C. George, R. Suydam**. 2015. A population dynamics model and assessment of Bering-Chukchi-Beaufort Seas bowhead whales. Submitted as paper SC/66a/BRG09 to the Scientific Committee of the International Whaling Commission, 2015.
- Givens, G., M.V. Bravington. 1996. Confirmation, revision, and sensitivity analysis of the 1994 Scientific Committee assessment of the Bering-Chukchi-Beaufort Seas stock of bowhead whales. Report of the International Whaling Commission 46: 501-8.
- Givens, G.H., R.M. Huebinger, J.W. Bickham, **J.C. George, R.S. Suydam**. 2006. Re-examination of stock structure of bowhead whales from the western Arctic: preliminary analyses based on new microsatellites. Submitted as paper SC/58/BRG19 to the Scientific Committee of the International Whaling Commission, June 2006.
- Givens, G.H., R.M. Huebinger, J.W. Bickham, **J.C. George, R.S. Suydam**. 2007. Patterns of genetic variation in bowhead whales (*Balaena mysticetus*) from the western Arctic. Submitted as paper SC/J07/AWMP 2 to the intersessional workshop of the Aboriginal Whaling Management Procedure subcommittee of the Scientific Committee of the International Whaling Commission, May 2007.
- Givens, G.H., S.E. Thompson. 1996. Alternative Bayesian synthesis approaches to Bering-Chukchi-Beaufort Seas bowhead whale stock assessment: Uncertainty in historic catch and hitting with fixed MSYR. Submitted as paper SC/47/AS16 to the Scientific Committee of the International Whaling Commission, 1996.
- Givens, G.H., S.L. Edmondson, **J.C. George, B. Tudor, R.A. DeLong, R. Suydam**. 2011. Estimation of detection probabilities from the 2010 ice-based independent observer survey of bowhead whales near Barrow, Alaska. Submitted as paper SC/63/BRG1 to the Scientific Committee of the International Whaling Commission, July 2011.
- Givens, G.H., S. L. Edmondson, **J.C. George, B. Tudor, R.A. DeLong, R. Suydam**. 2012. Detection probability estimates from the 2011 ice-based independent observer survey of bowhead whales near Barrow, Alaska. Submitted as paper SC/64/BRG4 to the Scientific Committee of the International Whaling Commission, July 2012.
- Givens, G.H., S. L. Edmondson, **J. C. George, R. Suydam, R.A. Charif, A. Rahaman, D. Hawthorne, B. Tudor, R.A. DeLong, C.W. Clark**. 2013. Estimate of 2011 abundance of the Bering-Chukchi-Beaufort Seas bowhead whale population. Submitted as paper SC/65a/BRG01 to the Scientific Committee of the International Whaling Commission, June 2013.
- Givens, G., T.A.O. Bernstein. 1998. Further investigation of aboriginal whaling management procedure strike limit algorithms and their optimization. Paper SC/50/AWMP5 presented to the International Whaling Commission.
- Goodwin, T., T. Hammond, L. Li, R. Linnehan, J. Kaysen, **T. Albert, T. O'Hara**. 1999. Preliminary Report on the Molecular Analysis and Culture of Tissues from Subsistence Harvested Bowhead Whales. Paper SC/51/AS13 submitted to the International Whaling Commission Meeting (51st) Grenada May 1-15.
- Haldiman, J.T., Y.Z. Abdelbaki, D.W. Duffield, W.G. Henk, R.W. Henry. 1983. Observations on the morphology of the skin, respiratory system, urinary system, and brain of the bowhead whale. Paper SC/35/PS16 presented to the IWC Scientific Committee, June 1983.
- Hammond, P.S. 1984. On the application of line transect sampling to the estimation of the number of bowhead whales passing the Point Barrow ice-camps. Rep. Int. Whal. Commn 34:465-7.
- Huebinger, R.M., J.W. Bickham, J.C. Patton, **J.C. George, R.S. Suydam**. 2006. Progress report on the development of new microsatellite markers for bowhead whales. Submitted as paper SC/58/BRG11 to the Scientific Committee of the International Whaling Commission, June 2006.
- Ingling, A. 1995. Determination of the muzzle velocity of the black powder and penthrite projectiles fired from a bench-mounted darting gun of the type used by Alaskan Eskimo in the subsistence hunt of the bowhead whale, as influenced by the

- propellant charge and other factors. Submitted as paper IWC/47/WK16 to the Workshop on Whale Killing Methods, International Whaling Commission, May-June 1995. 31 pp. Also submitted in an expanded version of 45 pages as a report in 1997 to the Department of Wildlife Management, North Slope Borough, Box 69, Barrow, AK 99723, from the Virginia-Maryland Regional College of Veterinary Medicine, University of Maryland, College Park, MD 20742.
- Knoche, M.J., **R.S. Suydam, J.C. George**. 2006. Preliminary investigations of stock structure in Bering-Chukchi-Beaufort seas bowhead whales (*Balaena mysticetus*) from carbon isotope analysis in baleen. Submitted as paper SC/58/BRG22 to the Scientific Committee of the International Whaling Commission, June 2006.
- Ko, D., J.E. Zeh, C.W. Clark, W.T. Ellison, B.D. Krogman, R.M. Sonntag. 1986. Utilization of acoustic location data in determining a minimum number of spring-migrating bowhead whales unaccounted for by the ice-based visual census. Rep. Int. Whal. Commn 36:325-38.
- Koski, W., J. Mocklin, A. Davis, J. Zeh, D. Rugh, **J.C. George, R. Suydam**. 2008. An estimate of 2003-2004 Bering-Chukchi-Beaufort bowhead whale (*Balaena mysticetus*) abundance from photo-identification data. Submitted as paper SC/60/BRG18 to the Scientific Committee of the International Whaling Commission, June 2008.
- Koski, W.R., D.J. Rugh, J. Zeh, **J.C. George, R. Suydam**, A.R. Davis, J. Mocklin. 2006 An update on analyses of BCB bowhead whale photographs obtained in 2003-2005. Submitted as paper SC/58/BRG20 to the Scientific Committee of the International Whaling Commission, June 2006.
- Koski, W.R., D.J. Rugh, J. Zeh, **J.C. George, R. Suydam**, A.R. Davis, J. Mocklin, K Trask. 2007. Review of bowhead whale aerial photographic studies in 2003-06. Submitted as paper SC/59/BRG6 to the Scientific Committee of the International Whaling Commission, 2007.
- Koski, W.R., J. Mocklin, A.R. Davis, J. Zeh, D.J. Rugh, **J.C. George, R. Suydam**. 2009. Abundance of Bering-Chukchi-Beaufort bowhead whales (*Balaena mysticetus*) in 2004 estimated from photo-identification data. Submitted as paper SC/61/For information to the Scientific Committee of the International Whaling Commission, 2009.
- Koski, W.R., **J.C. George, R. Suydam**, D.J. Rugh, J. Brandon. 2004. Aerial photography of bowhead whales at Barrow, Alaska during the 2003 and 2004 spring migrations. Submitted as paper SC/56/BRG26 to the Scientific Committee of the International Whaling Commission, July 2004.
- Koski, W.R., **J.C. George, R. Suydam**, D.J. Rugh, J. Zeh, A.R. Davis, B.D. Mactavish, J. Brandon, S.E. Moore. 2005. An update of aerial photography of bowhead whales conducted during the 2003-2005 spring migrations. Submitted as paper SC/57/BRG16 to the Scientific Committee of the International Whaling Commission, June 2005.
- Krogman, B., D. Corbit. 1987. A photographic study of environmental factors affecting the 1985 visual and acoustic population estimates of bowhead whales, *Balaena mysticetus*, passing Point Barrow, Alaska. Submitted as paper SC/39/PS5 to the International Whaling Commission, June 1987.
- Krogman, B., D. Ko, J. Zeh, R. Grotefendt, R. Sonntag. 1984. Experimental design considerations for the use of acoustic data to correct for whales missed by the ice-based census. Report of the International Whaling Commission 34:445-456.
- Krogman, B.K., **J.C. George, G. Carroll**, J. Zeh, R. Sonntag. 1986. Preliminary results of the 1985 spring ice-based census of the bowhead whale, *Balaena mysticetus*, conducted near Pt. Barrow, Alaska. Reports to the International Whaling Commission 37:343-352.
- Krogman, B., R. Sonntag, J. Zeh, D. Ko. 1985. Environmental factors affecting the result of the 1984 ice-based visual census of bowhead whales, *Balaena mysticetus*, near Point Barrow, Alaska. Submitted as paper SC/37/PS9 to the International Whaling Commission Scientific Committee, June 1985.
- LeDuc, R., P. Morin, M. Koonooka, **C. George**, G. Noongwook, B. Hancock, K. Robertson, B. Taylor. 2006. Mitochondrial sequence variation in the Bering/Chukchi/Beaufort Seas bowhead whales. 4pp. Paper SC/58/BRG9 presented to the IWC Scientific Committee, June 2006, St Kitts and Nevis, WI. 4pp.
- Lubetkin, S.C., J.E. Zeh. 2006. Deriving age-length relationships for bowhead whales (*Balaena mysticetus*) using a synthesis of age estimation techniques. Paper SC/58/BRG14 presented to the International Whaling Commission Scientific Committee, 2006.
- Martien, K.K., G. Givens, E. Archer. 2007. A note on the ability of STRUCTURE to correctly infer the number of populations for Bering-Chukchi- Beaufort Seas bowhead whales. Submitted as paper SC/59/BRG34 to the Scientific Committee of the International Whaling Commission, 2007.
- Mocklin, J., **J.C. George**, M. Ferguson, L.V. Brattstrom, V. Beaver, B. Rone, C. Christman, A. Brower, B. Shea, C. Accardo. 2012. Aerial photography of bowhead whales near Barrow, Alaska, during the 2011 spring migration. Submitted as paper SC/64/BRG03 to the Scientific Committee of the International Whaling Commission, 2012.
- Mocklin, J., L. Vate Brattstrom, B. Tudor, **J.C. George**, G.H. Givens. 2015. Update on the 2011 Bowhead Whale Aerial Abundance Spring Survey (BAASS) Photoanalysis. Submitted as paper SC/66a/BRG/03 to the Scientific Committee of the International Whaling Commission, May 2017.
- O'Hara, T.M., C. Hanns**, V.M. Woshner, J. Zeh, G. Bratton, R. Taylor. 2005. Essential and non-essential elements of the subsistence hunted bowhead whale: Epidermis-based predictions of blubber, kidney, liver and muscle tissue concentrations. Submitted as paper SC/57/E11 to the Scientific Committee of the International Whaling Commission, June 2005.
- O'Hara, T.M., P. Hoekstra, C. Hanns**, D. Muir, D. Wetzel, J. Reynolds. 2004. A preliminary assessment of the nutritive value of select tissues from the bowhead whale based on suggested nutrient daily intakes. Submitted as paper SC/56/E2 to the Scientific Committee of the International Whaling Commission, July 2004.

- O'Hara, T.M.**, P. Hoekstra, **C. Hanns**, S.M. Backus, D. Muir. 2004. Concentrations of persistent organochlorine contaminants in bowhead whale tissues, other biota, and store bought food from northern Alaska: Human exposure implications. Submitted as paper SC/56/E3 to the Scientific Committee of the International Whaling Commission, July 2004.
- O'Hara, T.M.**, P. Hoekstra, C. Rosa, L. Dehn, D. Muir, V. Woshner, J. Wise, G. Ylitalo, D. Wetzel, G. Bratton. 2004. Bowhead whale contaminants: A review of current state of knowledge and possible future research directions. Submitted as paper SC/56/E1 to the Scientific Committee of the International Whaling Commission, July 2004.
- O'Hara, T.M.**, T. Rowles, V. Woshner, K. Burek, B. Mahoney, **R. Suydam**, M. Wallig. 1999. Health assessment of beluga whales in Alaska: methods, protocols and preliminary gross and histologic findings. Submitted as paper SC/51/SM15 to the Scientific Committee of the International Whaling Commission, May 1999.
- O'Hara, T.M.**, V. Woshner, P.R. Becker, E.A. Mackey, G. Bratton, L.W. Cooper, **R. Suydam**, M. Epstein, M.K. Donnais, R. Tarpley, T. Rowles. 1999. Tissue levels of radionuclides and heavy metals in beluga whales of Alaska. Submitted as paper SC/51/E11 to the Scientific Committee of the International Whaling Commission, May 1999.
- Overton, E.B., C. Byrne, J.A. McFall, S.R. Antoine, J.L. Laseter. 1983. Preliminary observations on tissue pollutant levels in subsistence harvested bowhead whales (*Balaena mysticetus*). Paper SC/35/PS17 presented to the IWC Scientific Committee, June 1983
- Philo, M., J.C. George, R. Suydam, T.F. Albert**, D. Ramey. 1994. Report of field activities of the spring 1992 census of Bowhead Whales, *Balaena mysticetus*, off Point Barrow, Alaska with observations on the subsistence hunt of Bowhead Whales 1991 and 1992. Report to the International Whaling Commission 44:335-342.
- Poole, D., G.H. Givens, A.E. Rafferty. 1997. On a Proposed Assessment Method for Bowhead Whales. Submitted as paper SC/49/AS6 to the Scientific Committee of the International Whaling Commission, 1997.
- Quakenbush, L., J. Citta, **J.C. George**, M.P. Heide-Jorgensen, **H. Brower**, L. Harwood, **B. Adams**, C. Pokiak, J. Pokiak, E. Lea. 2018. Bering-Chukchi-Beaufort Stock of Bowhead Whales: 2006-2017 Satellite telemetry results with some observations on stock sub-structure. Paper SC/67B/AWMP/04 presented to the IWC Scientific Committee, May 2018.
- Raferty, A. E., D. Poole. 1997. Bayesian Synthesis Assessment Methodology for Bowhead Whales. Submitted as paper SC/49/AS5 to the Scientific Committee of the International Whaling Commission, 1997.
- Rafrery, A.E., J.E. Zeh, Q. Yang, P.E. Styer. 1990. Bayes Empirical Bayes Interval Estimation of Bowhead Whales, *Balaena mysticetus*, Population Size Based Upon the 1986 Combined Visual and Acoustic Census off Point Barrow, Alaska. Report to the International Whaling Commission 40:393-409.
- Rooney, A.P., **J.C. George**, R.J. Tarpley. 2002. Phylogenetic and morphometric analyses of the ingutuk, a morphological variant of the bowhead whale (*Balaena mysticetus*). Submitted as paper SC/54/BRG19 to the Scientific Committee of the International Whaling Commission, Shimonoseki, Japan, 2002.
- Rosa, C.** 2009. A summary of dead, stranded bowhead whales reported in the Chukchi and Beaufort Seas over the last twenty-five years. Submitted as paper SC/61/E12 to the Scientific Committee of the International Whaling Commission, 2009.
- Rosa, C., J.C. George**, J. Zeh, **T.M. O'Hara**, O. Botta, J. Bada. 2004. Update on age estimation of bowhead whales using aspartic acid racemization. Submitted as paper SC/56/BRG6 to the Scientific Committee of the International Whaling Commission, June 2004, Sorrento, Italy.
- Rosa, C.**, J.G.M. Thewissen, T. Kishida, S. Nummela, **C. George, R. Suydam**. 2009. A summary of ongoing bowhead whale sensory research in northern Alaska. Submitted as paper SC/61/BRG13 to the Scientific Committee of the International Whaling Commission, June 2009.
- Rugh, D.J., J.E. Zeh, W.R. Koski, L.S. Baraff, G.W. Miller, K.E.W. Sheldon. 1998. An improved system for scoring photo quality and whale identifiability in aerial photographs of bowhead whales. Submitted as paper SC/49/AS19 to the Scientific Committee of the International Whaling Commission, 1998.
- Rugh, D.J., W.R. Koski, **J.C. George**. 2004. Inter-year re-identifications of bowhead whales during their spring migration past Barrow, Alaska, 1984 - 1994. Submitted as paper SC/56/BRG 29 to the Scientific Committee of the International Whaling Commission, 2004.
- Schaffner, A.A., J.E. Zeh, A.E. Raftery. 1996. Documentation of Programs and Data to Produce the Posterior Distribution of Bowhead Whale, *Balaena mysticetus*, Population Size. Submitted as paper SC/48/AS17 to the Scientific Committee of the International Whaling Commission, 1996.
- Sheffield, G., **R. Stimmelmayer**, R. Rausch, **C. George**. 2016. *Anisakis* spp. in legally harvested BCB bowhead whales (*Balaena mysticetus*): Preliminary findings from stomach content analysis and post mortem field examinations. Submitted as paper SC/66b/E/06 to the Scientific Committee of the International Whaling Commission, June 2016.
- Shpak, O.V., **R. Stimmelmayer**. 2017. Preliminary image analysis of acute and chronic injuries, parasites, and skin conditions in the Okhotsk bowhead whale (*Balaena mysticetus*) stock in the western Okhotsk Sea. Submitted as paper SC67a/E/01 to the Scientific Committee of the International Whaling Commission, 2017.
- Skaug, H., G. Givens. 2007. Relatedness among individuals in BCB bowhead microsatellite samples. Submitted as paper SC/59/BRG20 to the Scientific Committee of the International Whaling Commission, 2007.
- Sonntag, R.M., W.T. Ellison, D. Corbit. 1988. Parametric Sensitivity of a Tracking Algorithm as Applied to the Migration of Bowhead Whales, *Balaena mysticetus*, Near Pt. Barrow, Alaska. Report to the International Whaling Commission 38:337-347. This paper also exists as a report to the Department of Wildlife Management, North Slope Borough, Box 69, Barrow, AK from Analytical Software, Inc., P.O. Box 51048, Seattle, WA 98115. 43 pp.

- Sonntag, R.M., W.T. Ellison, C.W. Clark, D.R. Corbit, B.D. Krogman. 1986. A description of a tracking algorithm and its application to bowhead whale acoustic location data collected during the spring migration near Point Barrow, Alaska 1984-85. *Rep. int. Whal. Commn* 36:299-310.
- Sonntag, R.M., R. Hodges, W.T. Ellison, B. Krogman. 1987. Refraction Effects in the Arctic Environment applied to the Visual Censusing of Bowhead Whales, *Balaena mysticetus*. Submitted as paper SC/39/PS9 to the Scientific Committee of the International Whaling Commission, June 1987. This paper also exists as a report to the Department of Wildlife Management, North Slope Borough, Box 69, Barrow, AK from Analytical Software, Inc., P.O. Box 51048, Seattle, WA 98115. 31 pp.
- Stimmelmayer, R.** 2015. Health assessment of subsistence harvested Bering-Chukchi-Beaufort Seas bowhead whales (*Balaena mysticetus*): an overview. Submitted as paper SC/66a/E8 to the Scientific Committee of the International Whaling Commission, May 2015.
- Stimmelmayer, R., J.C. George, A. Willoughby, A. Brower, J. Clarke, M. Ferguson, G. Sheffield, K. Stafford, A. VonDuyke, T. Sformo, B. Person, L. Sousa, R. Suydam.** 2018. 2017 Health report for the Bering-Chukchi-Beaufort Seas. Submitted as paper SC/66B/AWMP/08 to the Scientific Committee of the International Whaling Commission, May 2018.
- Suydam, R., C. George.** 2017. Update on plans for a population survey of Bering-Chukchi-Beaufort bowhead whales. Submitted as paper SC/67a/AWMP/07 to the Scientific Committee of the International Whaling Commission, May 2017.
- Suydam, R., J.C. George, B. Person, R. Stimmelmayer, T. Sformo, L. Pierce, A. VonDuyke, L. Sousa, G. Sheffield.** 2018. Subsistence harvest of bowhead whales (*Balaena mysticetus*) by Alaskan Natives during 2017. Submitted as paper SC/67B/AWMP/05 to the Scientific Committee of the International Whaling Commission, May 2018.
- Suydam, R., J.C. George, C. Rosa, B. Person, C. Hanns, G. Sheffield.** 2010. Subsistence harvest of bowhead whales (*Balaena mysticetus*) by Alaskan Eskimos during 2009. Submitted as paper SC/62/BRG18 to the Scientific Committee of the International Whaling Commission, June 2010.
- Suydam, R., J.C. George, C. Rosa, B. Person, C. Hanns, G. Sheffield, J. Bacon.** 2007. Subsistence harvest of bowhead whales (*Balaena mysticetus*) by Alaskan Eskimos during 2006. Submitted as paper SC/59/BRG4 to the Scientific Committee of the International Whaling Commission, May 2007.
- Suydam, R., J.C. George, C. Rosa, B. Person, C. Hanns, G. Sheffield, J. Bacon.** 2008. Subsistence harvest of bowhead whales (*Balaena mysticetus*) by Alaskan Eskimos during 2007. Submitted as paper SC/60/BRG10 to the Scientific Committee of the International Whaling Commission, June 2008.
- Suydam, R., J.C. George, C. Rosa, B. Person, C. Hanns, G. Sheffield, J. Bacon.** 2009. Subsistence harvest of bowhead whales (*Balaena mysticetus*) by Alaskan Eskimos during 2008. Submitted as paper SC/61/BRG6 to the Scientific Committee of the International Whaling Commission, June 2009.
- Suydam, R., J.C. George, M. Ferguson, G. Givens.** 2018. Update on plans for a population survey in 2019 of Bering-Chukchi-Beaufort bowhead whales. Submitted as paper SC/67B/AWMP/12 to the Scientific Committee of the International Whaling Commission, May 2018.
- Suydam, R., J.C. George, P.B. Nader, T.F. Albert.** 1995. Subsistence harvest of Bowhead Whales (*Balaena mysticetus*) by Alaska Eskimos, 1994. Submitted as paper SC/47/AS12 to the Scientific Committee of the International Whaling Commission, May 1995.
- Suydam, R., J.C. George, T.M. O'Hara, T.F. Albert.** 1996. Efficiency of the subsistence harvest of bowhead whales by Alaska Eskimos, 1973 to 1995 with observations on the 1995 subsistence harvest. Submitted as paper SC/48/AS14 to the Scientific Committee of the International Whaling Commission, June 1996.
- Suydam, R., J.C. George, T.M. O'Hara, T.F. Albert.** 1997. Efficiency of the subsistence harvest of bowhead whales by Alaskan Eskimos, 1973 to 1996 with observations on the 1995, 1996 and spring 1997 subsistence harvests. Submitted as paper SC/49/AS19 to the Scientific Committee of the International Whaling Commission, October 1997.
- Suydam, R.S.** 1999. Age, growth, and reproduction of beluga whales from the eastern Chukchi Sea, Alaska. Submitted as paper SC/51/SM40 to the Scientific Committee of the International Whaling Commission, May 1999.
- Suydam, R.S., J.C. George.** 2004. Subsistence harvest of bowhead whales (*Balaena mysticetus*) by Alaskan Eskimos 1974-2003. Submitted as paper SC/56/BRG12 to the Scientific Committee of the International Whaling Commission, July 2004.
- Suydam, R.S., J.C. George.** 2012. Preliminary analysis of subsistence harvest data concerning bowhead whales (*Balaena mysticetus*) taken by Alaskan Natives, 1974 to 2011. Submitted as paper SC/64/AWMP8 to the Scientific Committee of the International Whaling Commission, July 2012.
- Suydam, R.S., J.C. George.** 2018. Subsistence harvest of bowhead whales (*Balaena mysticetus*) taken by Alaskan Natives, 1974 to 2016. Submitted as paper SC/66B/AWMP/06 to the Scientific Committee of the International Whaling Commission, May 2018.
- Suydam, R.S., J.C. George, B. Person, C. Hanns, G. Sheffield.** 2011. Subsistence harvest of bowhead whales (*Balaena mysticetus*) by Alaskan Eskimos during 2010. Submitted as paper SC/63/BRG2 to the Scientific Committee of the International Whaling Commission, July 2011.
- Suydam, R.S., J.C. George, B. Person, C. Hanns, R. Stimmelmayer, L. Pierce, G. Sheffield.** 2012. Subsistence harvest of bowhead whales (*Balaena mysticetus*) by Alaskan Eskimos during 2011. Submitted as paper SC/64/BRG2 to the Scientific Committee of the International Whaling Commission, July 2012.

- Suydam, R.S., J.C. George, B. Person, C. Hanns, R. Stimmelmayer, L. Pierce, G. Sheffield.** 2013. Subsistence harvest of bowhead whales (*Balaena mysticetus*) by Alaskan Eskimos during 2012. Submitted as paper SC/65a/BRG19 to the Scientific Committee of the International Whaling Commission, June 2013.
- Suydam, R.S., J.C. George, B. Person, C. Hanns, R. Stimmelmayer, L. Pierce, G. Sheffield.** 2014. Subsistence harvest of bowhead whales (*Balaena mysticetus*) by Alaskan Eskimos during 2013. Submitted as paper SC/65b/BRG08 to the Scientific Committee of the International Whaling Commission, May 2014.
- Suydam, R.S., J.C. George, B. Person, D. Ramey, C. Hanns, R. Stimmelmayer, L. Pierce, G. Sheffield.** 2015. Subsistence harvest of bowhead whales (*Balaena mysticetus*) by Alaskan Eskimos during 2014. Submitted as paper SC/66a/BRG to the Scientific Committee of the International Whaling Commission, May 2015.
- Suydam, R.S., J.C. George, B. Person, D. Ramey, R. Stimmelmayer, T. Sformo, L. Pierce, G. Sheffield.** 2016. Subsistence harvest of bowhead whales (*Balaena mysticetus*) by Alaskan Eskimos during 2015 and other aspects of bowhead biology and science. Submitted as paper SC/66b/BRG03 to the Scientific Committee of the International Whaling Commission, June 2016.
- Suydam, R.S., J.C. George, B. Person, D. Ramey, R. Stimmelmayer, T. Sformo, L. Pierce, G. Sheffield.** 2017. Subsistence harvest of bowhead whales (*Balaena mysticetus*) by Alaskan Eskimos during 2016. Submitted as paper SC/67a/AWMP/02 Rev1 to the Scientific Committee of the International Whaling Commission, May 2017.
- Suydam, R.S., J.C. George, C. Hanns, G. Sheffield.** 2005. Subsistence harvest of bowhead whales (*Balaena mysticetus*) by Alaskan Eskimos during 2004. Submitted as paper SC/57/BRG15 to the Scientific Committee of the International Whaling Commission, June 2005.
- Suydam, R.S., J.C. George, C. Hanns, G. Sheffield.** 2006. Subsistence harvest of bowhead whales (*Balaena mysticetus*) by Alaskan Eskimos during 2005. Submitted as paper SC/58/BRG21 to the Scientific Committee of the International Whaling Commission, June 2006.
- Suydam, R.S., J.C. George, T. M. O'Hara, C. Hanns, G. Sheffield.** 2004. Subsistence harvest of bowhead whales (*Balaena mysticetus*) by Alaskan Eskimos during 2003. Submitted as paper SC/56/BRG11 to the Scientific Committee of the International Whaling Commission, July 2004.
- Suydam, R.S., J.C. George, T. M. O'Hara, G. Sheffield.** 2001. Subsistence harvest of bowhead whales by Alaskan Eskimos during 2000. Submitted as paper SC/53/BRG10 to the Scientific Committee of the International Whaling Commission, July 2001.
- Suydam, R.S., L.F. Lowry, K.J. Frost, G.M. O'Corry-Crowe, D. Pikok Jr.** 1999. Satellite tracking of eastern Chukchi Sea beluga whales in the Arctic Ocean. Submitted as paper SC/51/SM39 to the Scientific Committee of the International Whaling Commission, May 1999.
- Suydam, R.S., R.P. Angliss, J.C. George, S.R. Braund, and D.P. DeMaster.** 1995. Revised data on the subsistence harvest of Bowhead Whales (*Balaena mysticetus*) by Alaska Eskimos, 1973-1993. Report to the International Whaling Commission 45:335-338.
- Suydam, R.S., T.M. O'Hara, J.C. George, V.M. Woshner, G. Sheffield.** 2002. Subsistence harvest of bowhead whales by Alaskan Eskimos during 2001. Submitted as paper SC/54/BRG20 to the Scientific Committee of the International Whaling Commission, May 2002.
- Taylor, B., R. LeDuc, **C. George, R. Suydam, S.E. Moore, D. Rugh.** 2007. Synthesis of lines of evidence for population structure for bowhead whales in the Bering-Chukchi-Beaufort region. Submitted as paper SC/59/BRG35 to the Scientific Committee of the International Whaling Commission, May 2007.
- Tarpley, R.J., G.G. Stott. 1983. Preliminary observations on the anatomy of the reproductive and alimentary systems of the bowhead whale. Paper SC/35/PS15 presented to the IWC Scientific Committee, June 1983.
- Vate Brattstrom, L., J. Mocklin, B. Tudor, **J.C. George, G.H. Givens.** 2016. Update on the Bowhead Whale Aerial Photo-ID Program and 2011 Aerial Spring Survey. Submitted as paper SC/66B/BRG04 to the Scientific Committee of the International Whaling Commission, June 2016.
- Wade, P.R., G.H. Givens. 1997. Designing catch control laws that reflect the intent of aboriginal subsistence management principles. Submitted as paper SC/48/Mg6 to the Scientific Committee of the International Whaling Commission, 1997.
- Wetzel, D.L., J.E. Reynolds, III, P. Mercurio, G.H. Givens, E.L. Pulster, **J.C. George.** 2014. Age estimation for bowhead whales, *Balaena mysticetus*, using aspartic acid racemization with enhanced hydrolysis and derivatization procedures. Submitted as paper SC/65b/BRG05 to the Scientific Committee of the International Whaling Commission, 2014.
- Willetto, C.E., **T. O'Hara, T. Rowles.** 2002. Bowhead Whale Health and Physiology Workshop 2001: Summary for the International Whaling Commission (IWC) Scientific Committee. Submitted as paper SC/54/BRG1 to the Scientific Committee of the International Whaling Commission, May 2002.
- Willoughby, A., J. Clarke, M. Ferguson, **R. Stimmelmayer, A. Brower.** 2018. Bowhead whale carcasses in the eastern Chukchi and western Beaufort seas, 2009-2017. Submitted as paper SC/67B/AWMP/02 to the Scientific Committee of the International Whaling Commission, May 2018.
- Zeh, J.E. 1988. Effects of changing 1978-1983 Visual Census Parameters on Bowhead Whales, *Balaena mysticetus*, Population size Estimates. Report to the International Whaling Commission 38:371-376.
- Zeh, J.E., D. Ko, D., B.D. Krogman, R. Sonntag. 1986. Statistical considerations in estimating the number of bowhead whales, *Balaena mysticetus*, from ice-based visual census data. Rep. Int. Whal. Commn 36:317-23.

- Zeh, J.E., **J.C. George**, **R. Suydam**. 1995. Population size and rate of increase, 1978-1993, of Bowhead Whales, *Balaena mysticetus*. Report to the International Whaling Commission 45:339-344.
- Zeh, J.E., P. Turet, R. Gentleman, A.E. Raftery. 1988. Population Size Estimation for the Bowhead Whale, *Balaena mysticetus*, Based on 1985 Visual and Acoustic Data. Report to the International Whaling Commission 38:349-364.
- Zeh, J.E., A.E. Raftery, P.E. Styer. 1988. Mark-recapture estimation of bowhead whale, *Balaena mysticetus*, population size and offshore distribution from 1986 visual and acoustic data collected off Point Barrow, Alaska. Submitted as paper SC/40/PS5 to the Scientific Committee of the International Whaling Commission, May 1988.
- Zeh, J.E., A.E. Raftery, Q. Yang. 1990. Assessment of Tracking Algorithm Performance and its Effect on Population Estimates Using Bowhead Whale, Identified Visually and Acoustically in 1986 off Point Barrow, Alaska. Report to the International Whaling Commission 40:411-421.

## TECHNICAL PAPERS and REPORTS

- Ahmaogak, G. 1986. Formulating U.S. arctic research policy: recommendations from the North Slope Borough. pp. 21-25. In: Proceedings of the Arctic Science Policy and Development Conference (sponsored by UNESCO-MAB). U.S. Man and the Biosphere Program, Washington, D.C. pp. 104.
- Ahmaogak, G. 1989. Protecting the habitat of the bowhead whale. Proceedings of the Sixth Conference of the Comité Arctique International, 13-15 May 1985. pp. 593-597. L. Rey and V. Alexander (Eds.). E.J. Brill, New York, NY. 637 pp.
- Albert, T.F.** 1980. Tissues (structure/function) (RU 280). In: Investigation of the Occurrence and Behavior Patterns of Whales in the Vicinity of the Beaufort Sea Lease Area. J. Kelley and G. Laursen (eds.), pp. 279-329. Final Report for the period October 1, 1978 through November 30, 1979 to the Bureau of Land Management, Department of the Interior, Anchorage, AK from the Naval Arctic Research Laboratory, Barrow, Alaska. 752 pp.
- Albert, T.** (Ed.). 1981. Tissue Structural Studies And Other Investigations On The Biology Of Endangered Whales In The Beaufort Sea. Report to the Bureau of Land Management, Anchorage, Alaska from the Department of Veterinary Science, University of Maryland, College Park, MD, 20742. 953 pp.
- Albert, T.** 1981. Some thoughts regarding the possible effect of oil contamination on the bowhead whale, *Balaena mysticetus*. In: Tissue Structural Studies and Other Investigations on the Biology of Endangered Whales in the Beaufort Sea, T. Albert (Ed.), pp. 945-953. Report to the Bureau of Land Management, Anchorage, Alaska from the Department of Veterinary Science, University of Maryland, College Park, MD 20742. 953 pp.
- Albert, T.** (Ed.). 1985. Third Conference on the Biology of the Bowhead Whale, *Balaena mysticetus*, Extended Abstracts and Panel Discussions. Conference held January 21-23, 1985, Anchorage, AK, sponsored by the North Slope Borough, Box 69, Barrow, AK. 190 pp.
- Albert, T.** 1990. Observations on the socio-economic and cultural concerns of the indigenous people of northern Alaska. In: Proceedings of the Conference of Arctic and Nordic Countries on Coordination of Research in the Arctic, Part 2, pages 341-351. Conference held December 1988 in Leningrad, USSR, sponsored by The Academy of Sciences of the USSR.
- Albert, T.** 1990. Bowhead whale population size and habitat utilization: areas for cooperative research by the U.S., U.S.S.R. and Canada. pp. 240-241. In: Arctic Research: Advances and Prospects. V. Kotlyakov and V. Sokolov (eds.). Proceedings of the Conference of Arctic and Nordic Countries on Coordination of Research in the Arctic, Leningrad, U.S.S.R. December 1988. Part 2. Moscow, "Nauka". pp. 447. Sponsored by The Academy of Sciences of the U.S.S.R.
- Albert, T.** 1990. Fifth Conference on the Biology of the Bowhead Whale, *Balaena mysticetus*. April 1-3, 1990, Anchorage, Alaska. [Barrow, Alaska: North Slope Borough, Alaska]. 244 pages. Submitted as paper SC/43/PS17 to the International Whaling Commission Scientific Committee, May 1991.
- Albert, T.** 1996. Alaska-Chukotka Program For Encouragement of Native Involvement in Policy and Decision Processes: February 1994-March 1995 and August 1995-September 1996. Report to American Russian Center, University of Alaska Anchorage, 3211 Providence Drive, Anchorage, AK 99508 from the Department of Wildlife Management, North Slope Borough, Box 69, Barrow, AK 99723. pp. 125 (plus Appendices).
- Albert, T.** 2001. Assisting Native hunters (Eskimo and Chukchi) in Chukotka (Russian Far East) who are returning toward a traditional lifestyle that includes their continuing relationship with the gray whale and their re-establishing a relationship with the bowhead whale (1997-2000). Report to National Marine Fisheries Service, Box 21668, Juneau, AK 99802 from Department of Wildlife Management, North Slope Borough, Box 69, Barrow, AK 99723. pp. 32 (plus 9 Appendices).
- Albert, T.**, J. Kelley, R. Dronenburg (Eds.). 1982. Proceedings of the First Conference on the Biology of the Bowhead Whale, *Balaena mysticetus*: Population Assessment. Conference held January 25-29, 1982, Anchorage, AK, sponsored by the Alaska Eskimo Whaling Commission, Box 570, Barrow, AK. 252 pp.
- Braham, H.W., B.D. Krogman, **G.M. Carroll**. 1984. Bowhead and white whale migration, distribution, and abundance in the Bering, Chukchi, and Beaufort Seas, 1975-1978. NOAA Technical Report NMFS SSRF-778.
- Bratton, G., W. Flory, C. Spainhour, E. Haubold. 1997. Assessment of Selected Heavy Metals in Liver, Kidney, Muscle, Blubber, and Visceral Fat of Eskimo Harvested Bowhead Whales (*Balaena mysticetus*) from Alaska's North Coast. Report to the North Slope Borough, Box 69, Barrow, AK 99723 from the Department of Veterinary Anatomy and Public Health and the Texas Veterinary Medical Diagnostic Laboratory, College of Veterinary Medicine, Texas A&M University, College Station, TX 77843. 233 pp.

- Brewster, K., C. George, M. Aiken, A. Brower, Sr., M. Itta, N. Itta, M.L. Leavitt, O. Leavitt, W. Matumeak. 2010. Inupiat knowledge of selected subsistence fish near Barrow, Alaska. Report to the North Slope Borough Department of Wildlife Management, Barrow, AK, and the Bureau of Land Management, Fairbanks, AK. 239 pp.
- Brower, H.K.** 1996. Observations On Locations At Which Bowhead Whales Have Been Taken During The Fall Subsistence Hunt (1988 Through 1995) By Eskimo Hunters Based In Barrow, Alaska. Report by Department of Wildlife Management, North Slope Borough, Barrow, Alaska. 7 pages.
- Brower, H.K.** 1997. Overview of the North Slope Borough Subsistence harvest Documentation Project. National Petroleum Reserve - Alaska Symposium Proceedings Science, Traditional Knowledge, and the Resources of the Northeast Planning Area of the National Petroleum Reserve -Alaska. Sponsored by Bureau of Land Management, Fairbanks, Alaska and Minerals Management Service, Anchorage, Alaska. pages 3-5 to 3-8.
- Brower, H.K., R.T. Hepa.** 1998. Subsistence Hunting Activities and the Inupiat Eskimo. Report by Department of Wildlife Management, North Slope Borough, Barrow, Alaska. Cultural Survival Quarterly. Vol. 22. pp. 37-39.
- Brower, H.K., R.T. Hepa, T.P. Olemaun.** 2000. North Slope Borough Subsistence Harvest Documentation Project: Data for Kaktovik, Alaska for the Period December 1, 1994 to November 30, 1995. Report by Department of Wildlife Management, North Slope Borough, Barrow, Alaska. 54 pages.
- Brower, H.K., R.T. Opie.** 1996. North Slope Borough Subsistence Harvest Documentation Project: Data for Anaktuvuk Pass, Alaska For The Period July 1, 1994, To June 30, 1995. Report by Department of Wildlife Management, North Slope Borough, Barrow, Alaska. 36 pages.
- Brower, H.K., R.T. Opie.** 1996. North Slope Borough Subsistence Harvest Documentation Project: Data for Atqasuk, Alaska for the Period July 1, 1994, to June 30, 1995. Report by Department of Wildlife Management, North Slope Borough, Barrow, Alaska.
- Brower, H.K., R.T. Opie.** 1997. North Slope Borough Subsistence Harvest Documentation Project: Data for Nuiqsut, Alaska for the Period July 1, 1994, to June 30, 1995. Report by Department of Wildlife Management, North Slope Borough, Barrow, Alaska. 45 pages.
- Carothers, C., S. Cotton, K. Moerlein. 2013. Subsistence use and knowledge of salmon in Barrow and Nuiqsut, Alaska. Final report from the University of Alaska Coast Marine Institute to BOEM, OCS Study 2013-0015.
- Clark, C. 1989. Acoustic Analysis of Bowhead Whale, *Balaena mysticetus*, Vocalizations from Hydrophone Array Data collected during spring 1988. Report to the North Slope Borough, Barrow, Alaska from Laboratory of Ornithology, Cornell University, 159 Sapsucker Woods Road, Ithaca, NY 14850. 67 pp.
- Clark, C. 1990. Continuation of Acoustic Location Analysis of Vocalizing Bowhead Whales, *Balaena mysticetus*, From Recordings Made in the Spring of 1988 Off Point Barrow, Alaska. Report to the North Slope Borough, Barrow, Alaska from Laboratory of Ornithology, Cornell University, 159 Sapsucker Woods Road, Ithaca, NY 14850. 29 pp.
- Clark, C. 1994. Acoustic location analysis of a 312-hour subsample from a total of 970 hours of recordings of bowhead whale sounds from the spring 1993 census off Point Barrow: Analysis performed January 1 to March 31, 1994. Report from Cornell Laboratory of Ornithology, Cornell University, Ithaca, NY to North Slope Borough, Barrow, AK. pp. 49.
- Clark, C. 1994. Acoustic location analysis of a 348-hour subsample from a total of 970 hours of recordings of bowhead whale sounds from the spring 1993 census off Point Barrow, Alaska: Analysis performed July 1 to December 31, 1993. Report from Cornell Laboratory of Ornithology, Cornell University, Ithaca, NY to North Slope Borough, Barrow, AK. pp. 19.
- Clark, C. 1995. Final acoustic location analysis and continuation of call track analysis from recordings of bowhead whales sounds from the spring 1993 census off Point Barrow, Alaska; improvement of the acoustic location error; reanalysis of 39 hours of 1988 acoustic data; and reanalysis of 1985 acoustic calibration experiment: Work performed 1 April to 30 June, 1994. Report submitted by Cornell Laboratory of Ornithology, Cornell University, Ithaca, NY to North Slope Borough, Barrow, AK. pp. 33.
- Clark, C., W. Ellison, K. Beeman. 1986. Acoustic tracking of migrating bowhead whales. IEEE Oceans '86 Conference Proceedings:341-346
- Clark, C., W. Ellison, K. Beeman. 1986. An Acoustic Study of Bowhead Whales, *Balaena mysticetus*, Off Point Barrow, Alaska During the 1984 Spring Migration. Report to the North Slope Borough, Barrow, Alaska from Marine Acoustics, 210 D Ridgefield Circle, Clinton, MA 01501. 145 pp.
- Clark, C.W., W.T. Ellison, K. Beeman. 1988. An Acoustic Study of Bowhead Whales, *Balaena mysticetus*, during the 1985 Spring Migration. A Report to the North Slope Borough, Department of Wildlife Management, P.O. Box 69, Barrow, Alaska from the Laboratory of Ornithology, Cornell University, Ithaca, NY 14850. 143 pp.
- Cummings, W., D. Holliday, B. Graham, W. Ellison. 1981. Underwater Sound Measurements from the Prudhoe Region, Alaska, September-October 1980. Report to the Alaska Eskimo Whaling Commission, Box 570, Barrow, AK from Tracor Applied Sciences, Tracor Inc., 3420 Kenyon Street, Suite 209, San Diego, CA 92110. 104 pp.
- Dickson, D.L., **R.S. Suydam**, G. Balogh. 1999. Tracking the movement of King Eiders from nesting grounds in western Arctic Canada to their molting and wintering areas using satellite telemetry. 1998/1999 Progress Report. Available from the Canadian Wildlife Service, Edmonton.
- Dickson, D.L., **R.S. Suydam**, G. Balogh. 2000. Tracking the movement of King Eiders from nesting grounds at Prudhoe Bay, Alaska to their molting and wintering areas using satellite telemetry. 1999/2000 Progress Report. Available from the Canadian Wildlife Service, Edmonton.



- Dickson, D.L., **R.S. Suydam**, J. Fadely. 1998. Tracking the movement of King Eiders from nesting grounds in western arctic Canada to their molting and wintering areas using satellite telemetry. 1997/1998 Progress Report. Available from the Canadian Wildlife Service, Edmonton.
- Dronenburg, R., **J. George**, B. Krogman, R. Sonntag, J. Zeh. 1986. Report of the 1984 spring bowhead whale (*Balaena mysticetus*) ice-based visual census. Report to the International Whaling Commission 36: 293-298. In: Four Research Studies Centered on the Analysis of Visual, Acoustic and Photographic Data Collected During the 1984 Census of the Bowhead Whale, *Balaena mysticetus*. Pp 26-57. Report to the North Slope Borough, Box 69, Barrow, AK from Analytical Software, Inc., P.O. Box 51048, Seattle, WA 98115. 154 pp.
- Efurd, D., G. Miller, D. Rokop, F. Roensch, M. Attrep, J. Thompson, W. Inkert, H. Poths, J. Banar, J. Musgrave, E. Rios, M. Fowler, R. Gritz, J. Headstream, D. Dry, M. Hameedi, A. Robertson, N. Valette-Silver, S. Dolvin, L. Thorsteinson, **T. O'Hara**, R. Olsen. 1996. Evaluation of the Anthropogenic Radionuclide Concentrations in Sediments and Fauna Collected in the Beaufort Sea and Northern Alaska, Los Alamos National Lab., LAMS-13115-MS UC-721, pp.
- Ellison, W. 1985. Report on Acoustic Studies Conducted Off Beaufort Lagoon From 4 to 17 September 1984. Report to the North Slope Borough, Box 69, Barrow, AK, from Marine Acoustics, 116 Trout Brook Road, Cotuit, MA 02635. 25 pp.
- Etylin, V. 1997. Continued Activities in Creating a Union of Marine Mammal Hunters in Chukotka, Russian Federation. Report to Department of Wildlife Management, North Slope Borough, Box 69, Barrow, AK 99723 from Laboratory of Traditional Subsistence, Chukotka Scientific Research Center, Far East Branch of the Russian Academy of Sciences, Energy Street, House 15, Anadyr, Chukotka A.O., Russia 686710. pp. 7.
- Etylin, V., G. Zelensky, M. Zelensky, P. Typykhkak, G. Inankeuyas, and L. Ainana. 2000. Activities of the Union of Marine Mammal Hunters during 1999 in Chukotka. Report submitted by the Union of Marine Mammal Hunters, P.O. Box 119, Anadyr, Chukotka Autonomous District, Russia 686710 to the North Slope Borough, Barrow, Alaska and the Alaska Eskimo Whaling Commission, Barrow, Alaska 99723. 37 pages in English (plus 21 appendices).
- Follmann, E. 1986. Instrumentation of Subsistence Whaling Equipment with Electronic Devices to Aid in the Recovery of Struck but Lost Bowhead Whales. Report for the Period July 1, 1985 through June 30, 1986 to the North Slope Borough, Box 69, Barrow, AK from the Institute of Arctic Biology, University of Alaska, Fairbanks, AK. 20 pp.
- Follmann, E. 1987. Instrumentation of Subsistence Whaling Equipment with Electronic Devices to Aid in the Recovery of Struck but Lost Bowhead Whales. Report for the period July 1, 1986 through June 30, 1987 to the North Slope Borough, Box 69, Barrow, Alaska from the Institute of Arctic Biology, University of Alaska, Fairbanks, AK. 53 pp.
- Follmann, E. 1989. Radio and ultrasonic telemetry applied to the subsistence hunt of bowhead whales in Alaska. In: Proceedings of the Tenth International Symposium on Biotelemetry (Biotelemetry X), pp. 296-303, held July 31-August 5, 1988. Published by the University of Arkansas Press, Fayetteville, AR.
- Follmann, E., A. Manning. 1985. Instrumentation of Subsistence Whaling Equipment with Electronic Devices to Aid in the Recovery of Struck but Lost Whales. Report for the Period July 1, 1984 through June 30, 1985 to the North Slope Borough, Box 69, Barrow, AK from the Institute of Arctic Biology, University of Alaska, Fairbanks, AK. 39 pp.
- Frost, K.J., L.F. Lowry, G. Pendleton, H.R. Nute. 2002. Monitoring Distribution and Abundance of Ringed Seals in Northern Alaska: Final Report. OCS Study Report MMS 2002-043, Anchorage, Alaska: U.S. Dept. of the Interior, Minerals Management Service.
- George, J.C.** 1981. Current procedure for allocating the bowhead whale, *Balaena mysticetus*, by the Eskimo whalers of Barrow, Alaska. In: Tissue Structural Studies and Other Investigations on the Biology of Endangered Whales in the Beaufort Sea, T.F. Albert (ed.), pp. 279-803. Report to the Bureau of Land Management, Anchorage, Alaska from the Department of Veterinary Science, University of Maryland, College Park, Md. 20742. pp.935.
- George, J.C., B.P. Nageak.** 1986. Observations on the Colville River subsistence fishery at Nuiqsut, Alaska: For the period: 4 July - 1 November 1984. Report from the North Slope Borough, Box 69 Barrow, Alaska. 35 pp.
- George, J.C., G.M. Carroll.** 1987. Observations of spring migrating cow-calf pairs near Point Barrow, Alaska. 5 pp. *In*: Proceedings of the Fourth Conference on the Biology of the Bowhead whale, *Balaena mysticetus*. March 1987, Anchorage. North Slope Borough, Dept. of Wildlife Management, Box 69, Barrow, Alaska.
- George, J.C., R. Kovalsky.** 1986. Observations on the Kupigruak channel (Colville River) subsistence fishery- October 1985. Report from the North Slope Borough, Box 69, Barrow, Alaska. 99723. 60 pp.
- Givens, G. 1996. Assessment Modeling of the Bowhead Whale, *Balaena mysticetus*. Report to Department of Wildlife Management, North Slope Borough, Box 69, Barrow, AK 99723 from Department of Statistics, Colorado State University, Fort Collins, CO 80523. pp. 9 (plus 14 Appendices of 241 pages).
- Haldiman, J. (Ed.) 1986. Continued Studies on the Morphology of the Skin, Respiratory System, Urinary System, Brain and Eye of the Bowhead Whale, *Balaena mysticetus*. Final Report for 1983-85 to the North Slope Borough, Barrow, AK from the Department of Veterinary Anatomy and Fine Structure, School of Veterinary Medicine, Louisiana State University, Baton Rouge, LA. 155 pp.
- Haldiman, J., Y. Abdelbaki, D. Duffield, W. Henk, R. Henry. 1982. Studies on the Morphology of the Skin, Baleen, Respiratory System, Urinary System, Vascular System, Brain and Eye of the Bowhead Whale, *Balaena mysticetus*. Final Report to the North Slope Borough, Barrow, AK from the Department of Veterinary Anatomy and Fine Structure, School of Veterinary Medicine, Louisiana State University, Baton Rouge, LA 70803. 159 pp.
- Harcharek, Q.** 2015. Spatial analysis of subsistence with GPS. Final report prepared for the State of Alaska, Department of Commerce, Community and Economic Development. 80 pp.

- Harcharek, Q., C.S. Kayotuk, J.C. George, M. Pederson.** 2018. Qaaktuġvik/Kaktovik, Subsistence Harvest Report 2007-2012. Technical report prepared by the North Slope Borough Department of Wildlife Management, Barrow, Alaska. 63 pp.
- Hepa, R.T., H.K. Brower, Jr., D. Bates.** 1997. North Slope Borough Subsistence Harvest Documentation Project: Data for Atqasuk, Alaska for the Period July 1, 1994, to June 30, 1995. Report by Department of Wildlife Management, North Slope Borough, Barrow, Alaska. 42 pp.
- Huntington, H.P. 2013. Traditional knowledge regarding bowhead whales and Camden Bay, Beaufort Sea, Alaska. Report to the North Slope Borough Department of Wildlife Management, Box 69, Barrow, Alaska.
- Kreiton, K.J., R.J. Hintz, R.H. Lambertsen. 1990. Creation of a Three Dimensional Model of a Bowhead Whale (*Balaena mysticetus*) Baleen Rack Using Close-Range Photogrammetry. American Congress on Surveying and mapping and the American Society for Photogrammetry and Remote Sensing Technical Papers 5:75-76.
- Krogman, B., D. Corbit, W. Ellison. 1987. A Photographic Study of Environmental Factors Affecting the 1985 Visual and Acoustic Population Estimates of Bowhead Whales, (*Balaena mysticetus*), Passing Point Barrow, Alaska. Final Report to the North Slope Borough, Barrow, Alaska, from Analytical Software, Inc., P.O. Box 51048, Seattle, WA 98115. 36 pp. (This report is an updated version of paper SC/39/PS5.)
- Krogman, B., R. Sonntag, J. Zeh. 1986. Four Research Studies Centered on the Analysis of Visual, Acoustic and Photographic Data Collected During the 1984 Census of the Bowhead Whale, *Balaena mysticetus*. Report to the North Slope Borough, Box 69, Barrow, Alaska, from Analytical Software, Inc., P.O. Box 51048, Seattle, WA. 154 pp.
- Krogman, B., R. Sonntag, J. Zeh, D. Ko. 1985. Environmental factors affecting the result of the 1984 ice-based visual census of bowhead whales, *Balaena mysticetus*, near Point Barrow, Alaska. Submitted as paper SC/37/PS9 to the International Whaling Commission Scientific Committee, June 1985. This paper also exists as a section (pp 58-104) in the report Four Research Studies Centered on the Analysis of Visual, Acoustic and Photographic Data Collected During the 1984 Census of the Bowhead Whale, *Balaena mysticetus*. Report to the North Slope Borough, Box 69, Barrow, Alaska, from Analytical Software, Inc., P.O. Box 51048, Seattle, WA 98115. 154 pp.
- Lowry, L.F., K.J. Frost, R. Davis, **R.S. Suydam**, D.P. DeMaster. 1994. Movements and behavior of satellite-tagged Spotted Seals (*Phoca largha*) in the Bering and Chukchi Seas. NOAA Technical Memorandum NMFS-AFSC-38. 71p.
- McFall, Jo Ann ASR, Overton EB. 1986. Organochlorine Compounds and Polynuclear Aromatic Hydrocarbons in Tissues of Subsistence Harvested Bowhead Whales, *Balaena mysticetus*. Final Report to Department of Wildlife Management, North Slope Borough, Barrow, Alaska.
- McGuire, R., A. Powell, **R. Suydam**. 2005. Breeding biology and habitat use of King Eiders on the coastal plain of northern Alaska. (Abstract only) Pages 75-76 in MBC Applied Environmental Sciences. Proceedings of the 10<sup>th</sup> MMS Information Transfer Meeting. OCS Study MMS 2005-036.
- Miller, J., W. Neakok, **R. Stimmelmayer**. 2012. Field Report: Walrus Carcass Survey, Point Lay Alaska, September, 11-15, 2011, USFWS technical report.
- Moitoret, C.S., **R.S. Suydam**. 1997. Kasegaluk Lagoon breeding bird surveys, 1996 Progress Report. NAES-PR-97-01, U.S. Fish and Wildlife Service, Fairbanks, Alaska.
- Moulton, L.L., J.C. Seigle. 2012. Surveys of fish in Elson Lagoon during 1996 and 2009-2010. Prepared for North Slope Borough Department of Wildlife Management, Barrow, Alaska.
- Moulton, L.L., **L.M. Philo, J.C. George**. 1994. Some reproductive characteristics of least cisco and humpback whitefish in Dease Inlet, Alaska. Pages 119-126. In J. Reynolds, editor. American Fisheries Society. Fish Ecology in Arctic North America. American Fisheries Society Symposium 19, Bethesda, Maryland.
- Nageak, B.P., C.D. Brower, S.L. Schliebe.** 1991. Polar Bear management in the Southern Beaufort Sea: An Agreement between the Inuvialuit Game Council and North Slope Borough Fish and Game Committee. Transactions of the Fifty-sixth North American Wildlife and Natural Resources Conference, Edmonton, Alberta, Canada, March 1991.
- Obritschkewitsch, T., P.D. Martin, **R.S. Suydam**. 2001. Breeding biology of Steller's Eiders nesting near Barrow, Alaska, 1999-2000. Technical Report NAES-TR-01-04. U.S. Fish and Wildlife Service, Fairbanks, Alaska.
- Philo, L.M., J.C. George, L.L. Moulton.** 1993. The occurrence and description of anadromous fish in the Dease Inlet/Admiralty Bay, Alaska area, 1988-1990. Unpublished report. Department of Wildlife Management, North Slope Borough, Barrow, Alaska.
- Quakenbush, L., **R. Suydam**. 1999. Periodic nesting of Steller's Eiders (*Polysticta stelleri*) near Barrow, Alaska: 1991-1995. In R.I. Goudie, M.R. Petersen, and G.J. Robertson (eds.). Behaviour and ecology of sea ducks. Occasional Paper Number 100. Canadian Wildlife Service, Ottawa.
- Quakenbush, L.T., **R. Suydam, R. Acker**, M. Knoche, J. Citta. 2009. Migration of King and Common eiders past Point Barrow, Alaska, during summer/fall 2002 through spring 2004; population trends and effects of wind. Report to the Coastal Marine Institute, University of Alaska, Fairbanks, OCS Study MMS2009-036. 47 pp.
- Quakenbush, L.T., **R.S. Suydam**, K.M. Fluetsch, C.L. Donaldson. 1995. Breeding biology of Steller's Eiders nesting near Barrow, Alaska, 1991-1994. Technical Report NAES-TR-95-03. Available from the U.S. Fish and Wildlife Service, Ecological Services, Fairbanks, Alaska.
- Sheffield, G. 2014. Field Examination, Necropsy, and Narrative Report (STR-050-13): Stejneger's Beaked Whale (*Mesoplodon stejnegeri*) Stranding on Saint Lawrence Island, October 2013. Report to the North Slope Borough Dept. of Wildlife, Barrow. UAF Marine Advisory Program, Nome, Alaska. 15 pp.

- Sheffield, G. and Savoonga Whaling Captains Association. 2015. Bowhead whale entangled in commercial crab pot gear recovered near Saint Lawrence Island, Bering Strait. UAF Alaska Sea Grant, Marine Advisory Program, Report to the North Slope Borough Department of Wildlife Management, Barrow, Alaska. 8 pp.
- Sonntag, R.M. 1987. Verification of a Tracking Algorithm that Utilizes Visual Sightings Data and Acoustic Location Data From Spring Migrating Bowhead Whales, *Balaena mysticetus*, Passing Point Barrow, Alaska. A Method for Sampling Acoustic Location Data for Using Tracking Algorithm that Utilizes Visual Sightings Data and Acoustic Location Data from Spring Migrating Bowhead Whales, *Balaena mysticetus*, Passing Point Barrow, Alaska. Report to the North Slope Borough, Barrow, Alaska, from Analytical Software, Inc., P.O. Box 51048, Seattle, WA 98115. 30pp.
- Stimmelmayer, R.** 2012. Disease symptoms seen at the Point Lay Haul out- Update on Cause. In Proceedings Adapting to Climate Change: A community workshop on the conservation and management of Walrus on the Chukchi Sea Coast. Ed. J.Garlich Miller. USFWS Administrative Report R7/MMM 12-1.
- Stimmelmayer, R.** 2012. Field Response and findings: North Slope Borough Surveys. In: Proceedings of the Arctic Pinniped Disease Investigation workshop, Alaska Marine Science Symposium, Anchorage, Alaska, 18 January 2012. Ed. C. Goertz.
- Stimmelmayer, R.** 2012. Working Group2 : Field Plans and necropsy protocols for next season. In: Proceedings of the Arctic Pinniped Disease Investigation workshop, Alaska Marine Science Symposium, Anchorage, Alaska, 18 January 2012. Ed. C. Goertz
- Stimmelmayer, R.** 2013. Monitoring Mortality and morbidity at coastal walrus haulouts. In Proc: Workshop on Assessing Pacific Walrus Population attributes from coastal haul outs. Eds. M.Robard and J.Garlich Miller. USFWS Administrative Report, R7/MMM 13-1.
- Stimmelmayer, R.** 2013. Update on a “New” Disease Syndrome in Ice Seals and Pacific Walrus in the Arctic. In: Proceedings CAFF/Arctic council Report on Circumpolar Ringed Seal Monitoring Meeting, Tromso, Norway 2-3rd October 2012. Eds. Kit Kovacs and Christian Lydersen.
- Suydam, R., K. Frost.** 2000. Biological sampling and harvest data collection manual. Report to the Alaska Beluga Whale Committee and North Slope Borough, Barrow, Alaska.
- Suydam, R., K. Frost, L. Lowry, D. DeMaster, M.A. Carroll.** 1996. Proceedings of the Alaska Beluga Whale Committee First Conference on the biology of beluga whales, April 5-7, 1995, Anchorage Alaska. Alaska Beluga Whale Committee and North Slope Borough, Barrow, Alaska.
- Suydam, R., L. Quakenbush, M. Knoche, R. Frantz.** 2005. Status of King and Common eiders migrating past Point Barrow, Alaska. (Abstract only) Pages 71-72 in MBC Applied Environmental Sciences. Proceedings of the 10<sup>th</sup> MMS Information Transfer Meeting. OCS Study MMS 2005-036.
- Suydam, R.S.** 1996. Investigation of the impacts of a Radio-Acoustic Sounding System (RASS) on nesting birds near Barrow, Alaska—1993 and 1994. Report submitted to Sandia National Laboratories, Albuquerque, New Mexico.
- Suydam, R.S.** 2002. Programs, activities, and research of the Alaska Beluga Whale Committee May 1, 1999 – April 30, 2002. Final Report submitted to the National Oceanic and Atmospheric Administration, Juneau, Alaska.
- Suydam, R.S., K. Frost.** 2001. Programs, activities, and research of the Alaska Beluga Whale Committee 2000 – 2001. Final Report submitted to the National Oceanic and Atmospheric Administration, Juneau, Alaska.
- Suydam, R.S., K.J. Frost, L. Lowry.** 2005. Distribution and movements of beluga whales from the eastern Chukchi Sea stock during summer and early autumn. Final Report OCS Study MMS 2005-035. University of Alaska, Coastal Marine Institute, Fairbanks, Alaska. 48 pp.
- Suydam, R.S., L.F. Lowry, K.J. Frost, G.M. O’Corry-Crowe.** 2003. Satellite tracking of eastern Chukchi Sea beluga whales in the Beaufort Sea and Arctic Ocean. (Abstract only) Pages 62-63 in MBC Applied Environmental Sciences. Proceedings of the 9<sup>th</sup> MMS Information Transfer Meeting. OCS Study MMS 2003-042.
- Suydam, R., S. Moore.** 2005. Changes in Arctic sea ice: what are the consequences for whales? (Abstract only) Pages 22-23 in The Arctic Research Consortium of the US (ARCUS). Arctic Forum 2004.
- Tarpley, R.J., Hillmann, D.J. 1999. Observations on ovary morphology, fetal size and functional correlates in the bowhead whale *Balaena mysticetus*. Report to the Department of Wildlife Management, North Slope Borough, Box 69, Barrow, Alaska, from Department of Veterinary Anatomy, College of Veterinary Medicine, Texas A&M University, College Station, Texas. 276 pp.
- U.S. Fish and Wildlife Service. 1996. Spectacled Eider recovery plan. U.S. Fish and Wildlife Service, Anchorage, AK. 100 pp. + appendices. (Prepared by Recovery Team members C.P. Dau, R.H. Day, C.J. Lensink, B.J. McCaffery, R.M. Pates, T.J. Rothe, C. Simeon, B.L. Taylor, M.R. Petersen, E. Robinson-Wilson, R. Suydam, and D.M. Troy)
- Von Duyke, A.L., K. Nesvacil, K. Titus, L. Quakenbush, T. Sformo.** 2016. Use of hair to non-invasively sample DNA from polar bears (*Ursus maritimus*) in the Chukchi and Beaufort Seas: Project status update 2016. North Slope Borough Department of Wildlife Management, Preliminary Research Report NSB.DWM.PRR.2016-01.01.
- VonDuyke, A., R. Suydam, M. Pederson, T. Hepa.** 2015. Scientific and risk assessment aspects of the pending quota for the Alaska-Chukotka population of polar bears. Paper presented to the Scientific Working Group of the Bilateral Commission on the Alaska-Chukotka population of polar bears. 12 pp.
- Zeh, J.E., A.E. Raftery. 1990. Population size and trend estimation for the bowhead whale, *Balaena mysticetus*, from ice-based visual census and acoustic location data. Final report to the Department of Wildlife Management, North Slope Borough, Barrow, Alaska. 200 pp.

Zeh, J.E., A.E. Raftery. 1996. Population assessment methods for the bowhead whale, *Balaena mysticetus*, and 1994 bowhead assessment results. Report to the Department of Wildlife Management, North Slope Borough, Barrow, Alaska. 260 pp.

## POSTERS AND PRESENTATIONS

- Ashjian, C.J., R.G. Campbell, **J.C. George**, S.E. Moore, S. Okkonen, B. Sherr, E. Sherr. 2008. Environmental Variability and Bowhead Whale Distribution on the Alaskan Beaufort Shelf near Barrow, AK. Alaska Marine Science Symposium, January 2008. Poster Presentation. Anchorage, Alaska.
- Baird, A.B. 2013. Population genetics and transcriptomics of bowhead whales (*Balaena mysticetus*). American Society of Mammalogists, Poster presentation. Philadelphia, PA.
- Ball, H. C., R. J. Duff, R. L. Londraville, J. G. M. Thewissen, **R. Suydam**. 2011. Is all fat created equal: A comparison of absolute copy number for leptin expression from whales to mice. Biennial meeting of the Conference on the Biology of Marine Mammals, Tampa, Florida, Abstract Volume, p. 24.
- Ball, H., **J. C. George**, **R. Suydam**, Sharon Usip, M. T. Clementz, R. L. Londraville, R. J. Duff and J.G. M. Thewissen. 2014. Variation in blubber and bone density during the life of a bowhead whales and their regulation by leptin. Evolution of Aquatic Tetrapods Conference, Washington D. C., Abstracts.
- Brower, H.K., R.T. Opie**. 1995. An Overview of the North Slope Borough Department of Wildlife Management Subsistence Harvest Documentation Project. Poster presented at the Arctic Science Harvest Symposium, Girdwood, Alaska. Sponsored by Alaska Department of Fish and Game and Institute of Social and Economic Research, University of Alaska, Anchorage.
- Carroll, G., J.C. George**. 1988. Ice-Entrapped gray whales near Barrow, Alaska. Society of Marine Mammalogy. Poster Presentation. Vancouver, BC.
- Clark, C. 1991. Ocean Voices of the Alaskan Arctic. Sixty-minute cassette tape featuring vocalizations of the bowhead whale and other marine mammals as recorded off Point Barrow, Alaska. Produced at Laboratory of Ornithology, Cornell University, 159 Sapsucker Woods Road, Ithaca, New York for the Department of Wildlife Management, North Slope Borough, Barrow, Alaska.
- Dehn, L.-A., C. Rosa, E.H. Follmann, L.K. Duffy, G.R. Bratton, **T.M. O'Hara**. 2005. Stable isotope and trace element status of subsistence hunted bowhead and beluga whales in Alaska and gray whales in Chukotka. Abstract and poster at the 36th International Association for Aquatic Animal Medicine (IAAAM) annual meeting in Seward, Alaska.
- Dehn, L.-A., C. Rosa, E.H. Follmann, L.K. Duffy, G.R. Bratton, **T.M. O'Hara**. 2004. Stable isotope and trace element status of subsistence hunted bowhead and beluga whales in Alaska and gray whales in Chukotka. Abstract and poster at the 54th Arctic American Association for the Advancement of Science (AAAS) annual meeting in Anchorage, Alaska.
- Dehn, L.-A., C. Rosa, E.H. Follmann, L.K. Duffy, G.R. Bratton, **T.M. O'Hara**. 2005. Stable isotope and trace element status of subsistence hunted bowhead and beluga whales in Alaska and gray whales in Chukotka. Abstract and poster at the national American Association for the Advancement of Science (AAAS) annual meeting in Washington, D.C.
- Dehn, L.-A., E.H. Follmann, **C. Rosa, C. George**. 2007. Comparison of stable isotope ratios in muscle and epidermis of bowhead whales with reference to ancient whale skin. Abstract and oral presentation at the Alaska Marine Science Symposium, Anchorage, Alaska.
- Dehn, L.-A., E.H. Follmann, D.L. Thomas, G.G. Sheffield, C. Rosa, L.K. Duffy, **T.M. O'Hara**. 2005. Trophic ecology of Arctic marine biota and implications for trace metal dynamics. Abstract and oral presentation at the 2nd joint meeting of the Alaska Society of American Foresters and Alaska Chapter of the Wildlife Society in Fairbanks, Alaska.
- Dehn, L.-A., E.H. Follmann, L.K. Duffy, P.F. Hoekstra, **T.M. O'Hara**. 2000. Heavy metal concentration in ringed seal, bowhead and beluga whale tissues compared by trophic level as determined by stable isotope analysis. Abstract and poster at SETAC (Society of Environmental Toxicology and Chemistry) 21st Annual meeting Nashville, Tennessee.
- Dehn, L.-A., G. Sheffield, E.H. Follmann, L.K. Duffy, T.W. Bentzen, G.R. Bratton, V.M. Woshner, P.F. Hoekstra, **T.M. O'Hara**. 2002. Feeding ecology of Arctic phocids – implications for heavy metal dynamics. Abstract and poster at 2nd AMAP (Arctic Monitoring and Assessment Programme) International Symposium in Rovaniemi, Finland.
- Dehn, L.-A., G.G. Sheffield, E.H. Follmann, L.K. Duffy, T.W. Bentzen, G.R. Bratton, V.M. Woshner, P.F. Hoekstra, **T.M. O'Hara**. 2003. Feeding ecology of Arctic phocids – implications for heavy metal dynamics. Abstract and poster at the 53rd Arctic American Association for the Advancement of Science (AAAS) annual meeting in Fairbanks, Alaska.
- Dehn, L.-A., G.G. Sheffield, E.H. Follmann, L.K. Duffy, V.M. Woshner, **T.M. O'Hara**. 2003. Age and diet related distribution of heavy metals in renal and hepatic tissue of ringed, bearded and spotted seals harvested in Alaska. Abstract and oral presentation at the 15th Biennial Conference of the Society for Marine Mammalogy in Greensboro, North Carolina.
- George, J.C.** Trends in Colville River Arctic Cisco harvest. 2001. Minerals Management Service, Information Transfer Meeting, Barrow, Alaska.
- George, J.C.**, C. Nicolson, S. Drobot, J. Maslanik, **R. Suydam**. 2006. Preliminary Findings: Sea Ice Density and Bowhead Whale Body Condition. Poster Presentation to the Society of Marine Mammalogy, San Diego, California.
- George, J.C., C. Rosa, J. Zeh, S. Lubetkin**. 2007. Evidence of slow growth and extreme longevity in bowhead whales (*Balaena mysticetus*). Society of Marine Mammalogy. Oral Presentation. Cape Town, South Africa.
- George, J.C.**, E. Follmann, J. Zeh. 2008. Age estimates based on bowhead whale ovarian and pregnancy data. Alaska Marine Science Symposium, January 2008. Oral Presentation. Anchorage, Alaska.

- George, J.C.**, M. Druckenmiller, K. Laidre, **R. Suydam**. 2014. It's a good time to be a bowhead: bowhead body condition and links to environmental conditions. Alaska Marine Science Symposium, January 2014. Oral Presentation. Anchorage, Alaska.
- George, J.C.**, R. Dronenburg. 1985. An overview of logistical considerations in implementing the ice-based visual census and acoustic localization study of spring (1984) migrating bowhead whales, *Balaena mysticetus*, off Point Barrow, Alaska. Third Conference on the Biology of the Bowhead Whale, *Balaena mysticetus*. January, 1985. Oral presentation. Anchorage, Alaska.
- George, J.C.**, **R. Stimmelmayer**, S. Usip, **R. Suydam**, H. Thewissen. 2015. Ballasted bowheads: bone density variations as part of the life history strategy of bowhead whales. Biannual Meeting of the Society of Marine Mammalogy, December 2015. Oral presentation. San Francisco, California.
- George, J. C.**, S. C. Lubetkin, J. E. Zeh, H. Thewissen, R. Elsner. 2011. An unusual growth pattern in bowhead whales. Biennial meeting of the Conference on the Biology of Marine Mammals, Tampa, Florida, Abstract Volume, p. 106.
- Hieronimus, T., B. A. Armfield, J. G. M. Thewissen. 2011. The development of epithelial appendages in whales. Sixth triennial conference on secondary adaptation of tetrapods to life in water, San Diego, California.
- Hieronimus, T.L., J.G.M. Thewissen, **J.C. George**. 2010. Lateral inhibition systems in baleen. Abstract presented at the Society for Integrative and Comparative Biology, Seattle Washington, January 2010.
- Hoekstra, P. F., B. Braune, L.-A. Dehn, **T.M. O'Hara**, K.R. Solomon, D.C.G. Muir. 2002. Heavy metal and organochlorine concentrations in arctic fox from the Alaskan and western Canadian Arctic. Abstract and poster at SETAC Europe (Society of Environmental Toxicology and Chemistry) 12th Annual meeting Vienna, Austria.
- Hoekstra, P.F., D.C.G. Muir, **T.M. O'Hara**, K.R. Solomon. 1999. Distribution of persistent organochlorines (OCs) in migrating bowhead whales (*Balaena mysticetus*) from Barrow, Alaska. 20th Annual Meeting of the Society of Environmental Toxicology and Chemistry, Philadelphia, Pennsylvania, November 18, 1999.
- Hoekstra, P.F., D.C.G. Muir, H.M. Karlsson, **T.M. O'Hara**. 2000. Chiral and achiral organochlorines (OCs) in migrating *Balaena mysticetus* from Barrow, Alaska. Symposium on the "Causes of Reproductive Failure in North Atlantic Right Whales: New Avenues of Research", U.S. National Marine Fisheries Service, Falmouth, Massachusetts, April 27, 2000.
- Hoekstra, P.F., H.M. Karlsson, Muir, D.C.G., **T.M. O'Hara**, K.R. Solomon. 2000. Biomagnification of chiral and achiral organochlorine pesticides in the bowhead whale (*Balaena mysticetus*) food chain. 21st Annual Meeting of the Society of Environmental Toxicology and Chemistry, Nashville, Tennessee, November 12-17, 2000.
- Horstmann, L., **R. Stimmelmayer**, M. McCarthy. 2017. Yesterday is gone, tomorrow has not yet come: Compound-specific stable isotopes of polar bear bone collagen over 2000 years. Abstract and poster at the Alaska Marine Science Symposium, Anchorage, Alaska.
- Horstmann, L., **R. Stimmelmayer**, M. McCarthy. 2017. Eating seal or hungry like a wolf? Polar bear use of terrestrial resources revealed by compound-specific stable isotopes. Abstract and oral presentation at the 22nd Biennial Conference on the Biology of Marine Mammals, Halifax, Canada.
- Horstmann, L., **R. Stimmelmayer**, M. McCarthy. 2017. Yesterday is history, tomorrow is a mystery: polar bear use of terrestrial food sources revealed by compound-specific stable isotopes. Abstract and oral presentation at the Arctic Science Summit Week, Prague, Czech Republic.
- Horstmann, L., **R. Stimmelmayer**, M. McCarthy. 2017. Crossing the sea by staring at the water: increased use of terrestrial resources by polar bears revealed using compound-specific stable isotopes. Abstract and oral presentation at the Alaska Anthropological Association, Fairbanks, Alaska.
- Horstmann-Dehn, L., **C. George**, A. Oliveira. 2014. You are what you eat? Differential digestion and modification of fatty acids in the alimentary tract of bowhead whales. Abstract and poster at the Ocean Sciences Meeting, Honolulu, Hawaii.
- Horstmann-Dehn, L., **C. George**, A. Oliveira. 2015. Fat chance – Uptake, modification, and storage of fatty acids in bowhead whales. Abstract and oral presentation at the Alaska Marine Science Symposium, Anchorage, Alaska.
- Horstmann-Dehn, L., **C. George**, A. Oliveira. 2015. The fat of the matter - Bowhead whale fat digestion and storage. Abstract and oral presentation at the 21st Biennial Conference on the Biology of Marine Mammals, San Francisco, California.
- Horstmann-Dehn, L., **C. George**, G. Sheffield. 2013. Can stable isotope ratios identify feeding events in bowhead whales? Abstract and poster at the Alaska Marine Science Symposium, Anchorage, Alaska.
- Horstmann-Dehn, L., **C. George**, G. Sheffield, M. Baumgartner. 2011. Bowhead whale feeding efficiency – making a living in the Arctic. Abstract and poster at the 19th Biennial Conference on the Biology of Marine Mammals, Tampa, Florida.
- Horstmann-Dehn, L., **C. George**, G. Sheffield, M. Baumgartner. 2012. Bowhead whale feeding efficiency – making a living in the Arctic. Abstract and poster at the Alaska Marine Science Symposium, Anchorage, Alaska.
- Horstmann-Dehn, L., **R. Stimmelmayer**, M. Wooller, **C. George**. 2016. 10 years of bowhead whale blubber – a retrospective analysis of body condition and contribution of sea ice derived fatty acids to bowhead whale prey. Abstract and poster at the Alaska Marine Science Symposium, Anchorage, Alaska.
- Horstmann-Dehn, L., **R. Stimmelmayer**, M. Wooller, **C. George**. 2016. Blubber and beyond - contribution of ice derived fats to bowhead whales. Abstract and poster at the Arctic Science Summit Week, Fairbanks, Alaska.
- Johnson, S, J. Thedinga, D. Neff, **J.C. George**. 2008. Fish Assemblages in nearshore waters of the Chukchi and Beaufort Seas. Alaska Marine Science Symposium, January 2008. Poster Presentation. Anchorage, Alaska.

- Kishida, T., J.G.M. Thewissen, **C. Rosa**, T. Hikida. 2009. Genetic basis of cetacean olfaction: comparative studies of olfactory receptor gene repertoires among aquatic-adapted tetrapod species. 18<sup>th</sup> Biennial Conference on the biology of marine mammals, Quebec City, Canada.
- Miller, C.A., L. Horstmann, **J.C. George**, H. Holm, H. Fredricks, B. Van Mooy, A. Apprill. 2017. Microbes, lipids, and digesta: biogeography of the gut microbiome and lipidome of bowhead whales *Balaena mysticetus*. Abstract and oral presentation at the 22nd Biennial Conference on the Biology of Marine Mammals, Halifax, Canada.
- Miller, C.A., L. Horstmann-Dehn, **J.C. George**, M.F. Baumgartner, B. Van Mooy, A. Apprill. 2015. Biogeography of the gut microbiota in bowhead whales provides novel insights into digestion. Abstract and oral presentation at the 21st Biennial Conference on the Biology of Marine Mammals, San Francisco, California.
- Miller, C., L. Horstmann-Dehn, M.F. Baumgartner, B. Van Mooy, **C. George**, A. Apprill. 2014. Biogeography of gut microbiota in bowhead whales *Balaena mysticetus*: diversity, spatial distribution and co-occurrence patterns. International Symposium on Microbial Ecology (ISME15), Seoul, South Korea.
- Morris, A.W., **A.L. Von Duyke**, D.C. Douglas, R. Gryba, **J. Herreman**. 2017. Spotted seal (*Phoca largha*) spatial use, dives, and haul-out behavior in the Beaufort, Chukchi, and Bering Seas (2012-2016). Poster presented at the Alaska Marine Science Symposium, 23-27 January, Anchorage, Alaska. <http://dx.doi.org/10.13140/RG.2.2.35871.36003>
- Nummela, S., J.G.M. Thewissen, S. Hemilä, **C. Rosa**, J. Tougaard. 2009. Comparing the hearing mechanisms of mysticetes and odontocetes. 18<sup>th</sup> Biennial Conference on the biology of marine mammals, Quebec City, Canada.
- O'Hara**, T.M., P.F. Hoekstra, K.E. Beckman, M.M. Krahn, J.E. Blake, D.C.G. Muir. 2000. Persistent organic pollutants in bowhead whales and northern fur seals of Alaska. Persistent Organic Pollutants (POPs) in the Arctic: Human Health and Environmental Concerns (Arctic Monitoring Assessment Program), Rovaniemi, Finland, January 19, 2000.
- Sensor, J.D., D. McBurney, **J.C. George**, J.G.M. Thewissen. 2014. Cochlear anatomy in low and high-frequency cetaceans: implications for auditory trauma and evolution. Evolution of Aquatic Tetrapods Conference, Washington D. C. Abstract.
- Sensor, J., **C. George**, M. Clementz, **R. Stimmelmayer**, **R. Suydam**, J.G.M. Thewissen. 2015. Using stable isotopes and histology to correlate growth of the tympanic bone with baleen plates in arctic whales. Bone Histology Conference, Bonn Germany.
- Sensor, J., **J.C. George**, M.T. Clementz, **R. Stimmelmayer**, **R. Suydam**, J.G.M. Thewissen. 2015. Age determination in bowhead whales using the tympanic bone of the ear. Biannual Meeting of the Society of Marine Mammalogy. Poster presentation. San Francisco, California, December 2015.
- Seymour, J.M., Dehn, L.-A., Wooller, M., **Rosa**, C. 2010. Wait, there's a worm in my Aiviq: Pacific walrus feeding ecology and possible links to trichinellosis. Abstract and poster at the Alaska Marine Science Symposium in Anchorage, Alaska.
- Sformo**, T. 2014. Environmental DNA Assessment of Marine Life in the Beaufort Sea of Alaska. Poster presentation. Joint Aquatic Sciences Meeting, Oregon Convention Center, Portland, Oregon, May 2014.
- Sousa L.**, A. Pinchuk, E. Logerwell, S. Danielson, J. Vollenweider, R. Heintz, S. Parker-Stetter, J. Horne. 2016. SHELFZ –Nearshore and Offshore Characterization of Arctic Cod and Sculpin Habitats and its Association with Ontogenetic Diet Shifts in the Chukchi Sea. Oral Presentation Ocean Sciences Meeting New Orleans, Louisiana, February 2016.
- Sousa L.**, A. Pinchuk, S. Parker-Stetter, J. Horne, E. Logerwell, J. Vollenweider, R. Heintz. 2014. SHELFZ -Shelf Habitat and EcoLogY of Fish and Zooplankton. Poster presentation at the *Ocean Sciences Meeting*, Honolulu, Hawaii, February 2014.
- Sousa L.**, A. Pinchuk, S. Parker-Stetter, J. Horne, E. Logerwell, J. Vollenweider, R. Heintz. 2014. SHELFZ –Shelf Habitat and EcoLogY of Fish and Zooplankton. Oral presentation at the *Alaska Marine Science Symposium*, Anchorage, Alaska, January 2014.
- Sousa L.**, A. Pinchuk, S. Parker-Stetter, J. Horne, E. Logerwell, J. Vollenweider, R. Heintz. 2015. SHELFZ – connections between nearshore and offshore fish habitats on the Chukchi Sea shelf. Oral Presentation Coastal and Estuarine Research Federation meeting Portland, Oregon, November 2015.
- Sousa L.**, A. Pinchuk, S. Parker-Stetter, J. Horne, E. Logerwell, J. Vollenweider, R. Heintz. 2016. SHELFZ -Shelf Habitat and EcoLogY of Fish and Zooplankton. Oral presentation at the Alaska Forum on the Environment, Anchorage, Alaska, February 2016.
- Sousa L.**, T. Weingartner, P. Winsor, S. Danielson, E. Dobbins, C. Irvine, **B. Adams**. 2015. Inter-annual variability in surface circulation in the Chukchi and Beaufort Seas: satellite-tracked drifter measurements Oral presentation at the *Alaska Marine Science Symposium*, Anchorage, Alaska, January 2015.
- Sousa L.**, T. Weingartner, P. Winsor, S. Danielson, E. Dobbins, C. Irvine, **B. Adams**. 2015. Inter-annual variability in surface circulation in the Chukchi and Beaufort Seas: satellite-tracked drifter measurements. Oral presentation at the *Association for the Sciences of Liminology and Oceanography*, Granada, Spain, February 2015.
- Streever, B., W.T. Ellison, A.S. Frankel, R. Racca, R. Angliss, C. Clark, E. Fleishman, M. Guerra, M. Leu, S. Oliveira, **T. Sformo**, B. Southall, **R. Suydam**. 2012. Early progress and challenges in assessing aggregate sound exposure and associated effects on marine mammals. Presented to a meeting of the Society of Petroleum Engineers/Australian Petroleum Production and Exploration Association Ltd., Perth, Australia (SPE-158090-PP). 7 pp.
- Thewissen, J.G.M. 2015. The sense of smell in whales. Bowhead whale genomics symposium, Batelle Research Institute, Columbus Ohio, October 14, 2015.

- Thewissen, J.G.M., D. McBurney, **J.C. George**, **R. Suydam**. 2014. Tooth and Baleen Development in the Bowhead Whale. Evolution of Aquatic Tetrapods Conference, Washington D. C., Abstracts.
- Thewissen, J.G.M., J.D. Sensor, **J.C. George**, R.S. Liberman, M.C. Liberman. 2011. Assessment of auditory trauma in the inner ear of arctic whales. Biennial meeting of the Conference on the Biology of Marine Mammals, Tampa, Florida, Abstract Volume, p. 291.
- Thewissen, J.G.M., D.M. Lovano, **R. Suydam**, **J.C. George**. 2015. Tooth and baleen development in bowhead whales. Poster at the Biannual Meeting of the Society of Marine Mammalogy, San Francisco, California, December 2015.
- Titus, K., K. Nesvacil, **A.L. Von Duyke**. 2017. Non-invasive genetic sampling of polar bears (*Ursus maritimus*) along the Chukchi Sea coast of Alaska. Poster presented at the Alaska Marine Science Symposium, 23-27 January, Anchorage, Alaska. <http://dx.doi.org/10.13140/RG.2.2.18255.28320>
- Von Duyke, A.L.**, D.C. Douglas, **J. Herreman**, A.W. Morris. 2017. Ringed seal (*Pusa hispida*) spatial use, dives, and haul-out behavior in the Beaufort, Chukchi, and Bering Seas (2011-2016). Poster presented at the Alaska Marine Science Symposium, 23-27 January, Anchorage, Alaska. <http://dx.doi.org/10.13140/RG.2.2.29160.47368>
- Wiese, F.K., R.D. Gryba, B.P. Kelly, **A.L. Von Duyke**. 2016. Marine Arctic Ecosystem Study (MARES) – An Integrated Approach to the Dynamics and Monitoring of the Beaufort Sea. Poster presented at the Alaska Marine Science Symposium, 25-29 January, Anchorage, Alaska. <http://dx.doi.org/10.13140/RG.2.2.34285.79846>.
- Woshner, V., Miller, D., Dehn, L., Burek, K., Dailey, M., **Brower, C.**, Blake, J., **O'Hara, T.** 2006. Trematodiasis in a free-ranging ringed seal (*Phoca hispida hispida*) with reference to hepatic mercury concentration. Abstract and poster at the Annual Conference of the Wildlife Disease Association & American Association of Wildlife Veterinarians in Storrs, Connecticut.
- Woshner, V., Burek, K., Miller, D., Dehn, L., Blake, J., Dailey, M., **Brower, C.**, **O'Hara, T.** 2006. Case # N01-046. Case report and histology slides at the Marine Mammal Histopathology Workshop in conjunction with the 37th International Association for Aquatic Animal Medicine (IAAAM) annual meeting in Nassau, Bahamas.

## BOOKS

- Aguirre, A., **T. O'Hara**, T. Spraker, D. Jessup. 2001. Programs monitoring the health and conservation of marine mammals and their ecosystems. In Aguirre, A. A., R. S. Ostfeld, C. A. House, G. M. Tabor and M. C. Pearl (eds.). Conservation Medicine: Ecological Health in Practice. Oxford University Press, New York.
- Albert, T.** 2001. The influence of Harry Brower, Sr., an Inupiat Eskimo hunter, on the bowhead whale research program conducted at the UIC-NARL Facility by the North Slope Borough. In: Norton, D. (ed.). Fifty More Years Below Zero: Tributes and Meditations for the Naval Arctic Research Laboratory's first half century at Barrow, Alaska. University of Alaska Press, Fairbanks, AK and Arctic Institute of North America, Calgary, Alberta and Fairbanks, Alaska. pp. 265-278.
- Bratton, G., C. Spainhour, W. Flory, M. Reed, K. Jayko. 1993. Presence and potential effects of contaminants. pp. 701-744. In: The Bowhead Whale, J. Burns, J. Montague and C. Cowles (Eds.). The Society for Marine Mammalogy, P.O. Box 368, Lawrence, Kansas. pp. 787.
- Brewster, K.N. 2001. Historical perspectives on Inupiat contributions to arctic science at NARL In: Fifty More Years Below Zero: Tributes and Meditations for the Naval Arctic Research Laboratory's First Half Century at Barrow, Alaska, The Arctic Institute of North America; Calgary, Alberta. pp.23-26. Note: Distributed by University of Alaska Press, Fairbanks, Alaska.
- Brower, E., J. Stotts. 1984. Arctic policy: the local/regional perspective. In: United States Arctic Interests: The 1980's and 1990's. Eds. W.E. Westermeyer *et al.* pp. 319-344. Springer-Verlag, New York, New York. 369 pp.
- Clark, C.W. 1991. Acoustic behavior of mysticete whales. In: J. Thomas and R. Kastelein (eds.), Sensory Abilities of Cetaceans. Plenum Press. pp. 571-583.
- Clark, C.W. 1998. Underwater noise. In: 1998 McGraw-Hill Yearbook of Science and Technology.
- Druckenmiller, M.L., H. Eicken, **J.C. George**, L. Brower. 2010. Assessing the Shorefast Ice: Inupiat Whaling Trails off Barrow, Alaska. SIKU: Knowing Our Ice, 12/2010: pages 203-228;
- George, J.C.**, L.M. Moulton, M. Johnson. 2008. A field guide to common fish of the North Slope of Alaska. North Slope Borough, Barrow, Alaska. 93 pp.
- George, J.C.**, S. Braund, **H. Brower, Jr.**, C. Nicolson, **T.M. O'Hara**. 2003. Some observations on the influence of environmental conditions on the success of hunting bowhead whales off Barrow, Alaska. In: Indigenous ways to the Present: Native whaling in the Western Arctic. Studies in whaling, No. 6. Canadian Circumpolar Institute (CCI) Press, Alberta Canada. 432 pp.
- Huntington, H.P. 1992. Wildlife Management and Subsistence Hunting in Alaska. Seattle, WA: University of Washington Press. 177 pp.
- Moulton, L.L., **J.C. George**. 2000. Freshwater fishes in the Arctic oil-field region and coastal plain of Alaska. In: The Natural history of an oil field. Development and the Biota. J.C. Truett and S.R. Johnson, eds. Academic Press (ISBN 0-12-701235-4).
- O'Corry-Crowe, A.E. Dizon, **R.S. Suydam**, L.F. Lowry. 2002. Molecular genetic studies of population structure and movement patterns in a migratory species: the beluga whale (*Delphinapterus leucas*) in the western Nearctic. Pages 53-64 In: C.J. Pfeiffer (ed.), Molecular and cell biology of marine mammals. Krieger Press, Malabar, Florida.
- O'Hara, T.M.**, P.R. Becker. 2003. Persistent organic contaminants in Arctic marine mammals. In: *Toxicology of Marine Mammals*. Vos, Bossart, O'Shea, Fournier (eds). Taylor and Francis. Pages 168-205.
- O'Hara, T.M.**, T.J. O'Shea. 2001. Toxicology. Chapter 22 in: L.A. Dierauf, F.M.D. Gulland (eds.) CRC Handbook of Marine Mammal Medicine, 2<sup>nd</sup> edition. Pages 471-520.

- O'Hara, T. M.**, T. J. O'Shea. 2005. Assessing impacts of environmental contaminants. Pp. 63–83 in *Marine mammal research: conservation beyond crisis*. J. E. Reynolds III, W. F. Perrin, R. R. Reeves, S. Montgomery, T. J. Ragen (eds.). Johns Hopkins University Press, Baltimore, Maryland.
- O'Hara T.M.**, V. Woshner, G. Bratton. 2003. Inorganic pollutants in Arctic marine mammals. *In: J.G. Vos, G.D. Bossart, M. Fournier, T.J. O'Shea, editors. Toxicology of marine mammals*. London, U.K., and New York: Taylor & Francis. p. 206–46. [New York].
- Philo, L.M.**, E.B. Shotts, Jr., **J.C. George**. 1993. Chapter 8: Morbidity and Mortality. pp. 275-312. *In: J.J. Burns, J.J. Montague and C.J., Cowles (eds.) The Bowhead Whale*. Special publication No. 2 of the Society for Marine Mammalogy, Lawrence, Kansas. 787 pp.
- Philo, M.**, L. Underwood, A. Callahan. 2001. History of the NARL Animal Research Facility (ARF) and its contribution to the development of a rabies control program for the North Slope *In: Fifty More Years Below Zero: Tributes and Meditations for the Naval Arctic Research Laboratory's First Half Century at Barrow, Alaska, The Arctic Institute of North America; Calgary, Alberta*. pp.255-257. Distributed by University of Alaska Press, Fairbanks, Alaska.
- Suydam, R.S.** 2000. King Eider (*Somateria spectabilis*). *In A. Poole and F. Gill (Eds.)*. The Birds of North America. The Academy of Natural Sciences, Philadelphia, and The American Ornithologists' Union, Washington D.C.
- Weingartner, T., **J.C. George**. 2001. Chukchi Sea oceanography: Regional and global issues *In: Fifty More Years Below Zero: Tributes and Meditations for the Naval Arctic Research Laboratory's First Half Century at Barrow, Alaska, The Arctic Institute of North America; Calgary, Alberta*. pp.297-302. Distributed by University of Alaska Press, Fairbanks, Alaska.
- Willingham, F.F. 2001. Integration of local knowledge into Ilisagvik College's science curriculum *In: Fifty More Years Below Zero: Tributes and Meditations for the Naval Arctic Research Laboratory's First Half Century at Barrow, Alaska, The Arctic Institute of North America; Calgary, Alberta*. pp.313-315. Distributed by University of Alaska Press, Fairbanks, Alaska.
- Zeh, J.E., C.W. Clark, **J.C. George**, D. Withrow, **G.M. Carroll** and W.R. Koski. 1993. Current population size and dynamics. pp. 409-489. *In: J.J. Burns and J.J. Montague and C.J. Cowles (eds.)*. *The Bowhead Whale*. Special publication No. 2 of the Society of Marine Mammalogy, Lawrence, Kansas. 787 pp.

## DISSERTATIONS AND THESES

- Baker, S. 1986. The Effect of Eskimo Subsistence Hunting on the Population of the Bowhead Whale, *Balaena mysticetus*. Master of Science Thesis, Hood College, Frederick, Maryland. 88 pp.
- Bernstein, T. 1998. Likelihood-based Management Procedures for Aboriginal Whaling of *Balaena mysticetus*. Master of Science Thesis, Department of Statistics, Colorado State University, Fort Collins, Colorado. 58 pp.
- Campbell, D. 1986. Morphological Characteristics of the Respiratory Conducting Zone of *Balaena mysticetus*, the Bowhead Whale. Master of Science Thesis, Louisiana State University, Baton Rouge, Louisiana. 76 pp.
- Cotton, S.S.D. 2012. Subsistence salmon fishing in Beaufort Sea communities. Master of Science Thesis, University of Alaska Fairbanks, Fairbanks, Alaska. 99 pp.
- Da Silva, C. 1999. Capture-recapture estimation of bowhead whale population size photo-identification data. Doctor of Philosophy Dissertation, University of Washington, Seattle, Washington. 190 pp.
- Davies, J. 1997. The Impact of an Offshore Drilling Platform on the Fall Migration Path of Bowhead Whales: A GIS-Based Assessment. Master of Science Thesis, Western Washington University, Bellingham, Washington. 52 pp.
- Davis, R. 1982. Microflora of the Alaskan Bowhead Whale, *Balaena mysticetus*: An Overview with Special Emphasis on Skin Lesions. Master of Science Thesis, University of Georgia, Athens, Georgia. 32 pp.
- George, J.C.** 2009. Growth, morphology, and energetics of bowhead whales (*Balaena mysticetus*). Doctor of Philosophy Dissertation, University of Alaska Fairbanks, Alaska. 168 pp.
- Givens, G. 1993. A Bayesian Framework and Importance Sampling Methods for Synthesizing Multiple Sources of Evidence and Uncertainty Linked by a Complex Mechanistic Model. Doctor of Philosophy dissertation. University of Washington, Seattle, Washington, 157 pp.
- Hirt, S.J. 2015. Sexual dimorphism, the big-mother hypothesis, and analyses of hormones, minerals, and stable isotopes to determine reproductive events in bowhead whales (*Balaena mysticetus*). Doctor of Philosophy Dissertation, Auburn University, Auburn, Alabama. 99 pp.
- Huang, M. 2000. Data Dimension Reduction for Simulated Whale Population Trajectories. Master of Science Thesis, Department of Statistics, Colorado State University, Fort Collins, Colorado.
- Huebinger, R.M. 2007. Genetic relationships and evolutionary history of extant bowhead whale populations, *Balaena mysticetus*. Doctor of Philosophy Dissertation, Texas A&M University, College Station, Texas. 104 pp.
- Huntington, H. 1989. The Alaska Eskimo Whaling Commission: Effective Local Management of a Subsistence Resource. Master of Philosophy Thesis. University of Cambridge, Cambridge, United Kingdom. 71 pp.
- Huntington, H. 1991. Management and Regulation of Local Subsistence Hunting in Northern Alaska. Doctor of Philosophy Dissertation. University of Cambridge, Cambridge, United Kingdom, 232 pp.
- Kanayurak, N.L.** 2016. A case study of polar bear co-management in Alaska. Master of Marine Affairs Thesis, University of Washington, Seattle, Washington. 84 pp.



- Kreiton, K. 1990. Bowhead Whale (*Balaena mysticetus*) Biostereometrics. Master of Science Thesis, Department of Surveying Engineering, University of Maine, Orono, Maine. 72 pp.
- Meek, C.L. Comparing marine mammal co-management regimes in Alaska: three aspects of institutional performance. Doctor of Philosophy Dissertation, University of Alaska Fairbanks, Fairbanks, Alaska. 232 pp.
- Rooney, A. P. 1998. Assessment of recent bottlenecks: a case study of the Bering-Chukchi-Beaufort Seas stock of bowhead whales. Doctor of Philosophy Dissertation, Texas A&M University, College Station, Texas.
- Rosa, C.** 2006. Health assessment in the bowhead whale. Doctor of Philosophy Dissertation, University of Alaska Fairbanks, Alaska. 213 pp.
- Seigle, J.C. 2003. Determination of marine migratory behavior and its relationship to selected physical traits for least cisco (*Coregonus sardinella*) of the Western Arctic Coastal Plain, Alaska. Master of Science Thesis, Oregon State University, Corvallis, Oregon.
- Suydam, R.S.** 1995. Effects of experience on the breeding behavior of male and female Black Guillemots, *Cepphus grylle*, on Cooper Island, Alaska. Master of Science Thesis, University of Alaska, Fairbanks, Alaska. 107 pp.
- Suydam, R.S.** 2009. Age, growth, reproduction, and movements of beluga whales (*Delphinapterus leucas*) from the eastern Chukchi Sea. Doctor of Philosophy Dissertation, University of Washington, School of Aquatic and Fishery Sciences, Seattle, Washington. 169 pp.
- Zhu, Q. 1996. Studies on the eyes of the bowhead whale (*Balaena mysticetus*), ringed seal (*Phoca hispida*), and caribou (*Rangifer tarandus*). Doctor of Philosophy Dissertation, Institute of Oceanology, Chinese Academy of Sciences, Qingdao, People's Republic of China. 377 pp.