

Literature Cited

- Adamczewski, J.Z., W.M. Kerr, E.F. Lammerding, and P.F. Flood. 1994. Digestion of low protein grass hay by muskoxen and cattle. *Journal of Wildlife Management*. 58:679-685.
- Adams, F.J., T.L. Tanner, and M.A. Nelson. 2005. Harvest and biological characteristics of the subsistence fishery in Arctic Village, Alaska, 2001-2003. U.S. Fish and Wildlife Service, Alaska Fisheries Data Series 2005-18, Fairbanks, Alaska, USA.
- Alaska Department of Commerce, Community and Economic Development. Alaska Community Database. <http://dced.state.ak.us/dca/commdb/CF_COMDB.htm>. Accessed 24 Feb 2011.
- Alaska Department of Commerce, Division of Community and Regional Affairs. 2010. Alaska Community Database. <www.commerce.state.ak.us/dca>. Accessed 22 Feb 2010.
- Alaska Department of Fish and Game [ADF&G]. 2005. Alaska subsistence fisheries 2003 annual report. ADF&G Division of Subsistence. Juneau, Alaska, USA.
- Alaska Department of Fish and Game [ADF&G]. 2009. Wildlife Information Network (WinfoNet). <<http://winfonet.alaska.gov>>. Accessed 16 Dec 2009 – 4 Jan 2010.
- Alaska Department of Fish and Game [ADF&G]. 1984. State of Alaska resource management recommendation for the Arctic National Wildlife Refuge and surrounding area. Alaska Department of Fish and Game, Anchorage, Alaska, USA.
- Alaska Department of Fish and Game [ADF&G]. 2000. Subsistence in Alaska: A year 2000 update. Alaska Department of Fish and Game, Division of Subsistence, Juneau, Alaska, USA.
- Alaska Department of Fish and Game [ADF&G]. 2006. Our wealth maintained: a strategy for conserving Alaska's diverse wildlife and fish resources. Alaska Department of Fish and Game, Juneau. <http://www.sf.adfg.state.ak.us/statewide/ngplan/NG_outline.cfm>. Accessed 26 April 2010.
- Alaska Department of Fish and Game [ADF&G]. 2009. Catalog of waters important for spawning, rearing or migration of anadromous fishes. Alaska Department of Fish and Game, Juneau, Alaska, USA.
- Alaska Department of Fish and Game [ADF&G]. Data for Kaktovik 1985. Community Subsistence Information System (CSIS). <<http://www.adfg.alaska.gov/sb/CSIS/>>. Accessed 24 Feb 2011.
- Alaska Department of Fish and Game [ADF&G]. Data for Kaktovik 1986. Community Subsistence Information System (CSIS). <<http://www.adfg.alaska.gov/sb/CSIS/>>. Accessed 24 Feb 2011.
- Alaska Department of Fish and Game [ADF&G]. Data for Kaktovik 1992. Community Subsistence Information System (CSIS). <<http://www.adfg.alaska.gov/sb/CSIS/>>. Accessed 24 Feb 2011.
- Alaska Department of Labor and Workforce Development. 2010. Alaska Population Projections 2007–2030. <<http://laborstats.alaska.gov>>. Accessed 3 March 2010.

Literature Cited

- Alaska Department of Natural Resources, Office of History and Archaeology. 2001. Alaska heritage resources survey. Database located at the Office of History and Archaeology.
- Alaska Department of Natural Resources. 2008. The barter or sale of handicrafts. Office of Subsistence Management, Anchorage, Alaska, USA.
- Alaska Department of Transportation and Public Facilities. 2010. Chalkyitsik: airport improvements. Reference No: 40277. State of Alaska capital project summary. Juneau, Alaska, USA.
- Alaska Division of Geological and Geophysical Surveys. 1987. Physical environment of the Arctic National Wildlife Refuge. Unpublished report. Alaska Department of Natural Resources, Division of Geological and Geophysical Surveys.
- Alaska Federation of Natives. 2010. The right to subsist. Federal protection of subsistence in Alaska. <<http://www.nativefederation.org/documents/CompleteSubsBinder4-8-10.pdf>>
- Alaska Shorebird Group [ASG]. 2008. Alaska shorebird conservation plan. Version II. Alaska Shorebird Group, Anchorage, Alaska.
<<http://alaska.fws.gov/mbsp/mbm/shorebirds/plans.htm>>. Accessed 26 April 2010.
- Alexander, H.L. 1987. Putu: a fluted point site in Alaska: publication No. 17. Department of Archaeology, Simon Frazer University, Burnaby, British Columbia, Canada.
- Alt, K.T. 1969. Taxonomy and ecology of the inconnu (*Stenodus leucichthys nelma*) in Alaska. Biological Papers of the University of Alaska 12: 1-61.
- Alt, K.T. 1974. A life history study of sheefish and whitefish in Alaska. Job R-II-C. Movements, age and growth, spawning ecology, population dynamics, and utilization of sheefish in the middle Yukon River and Norton Sound streams. Federal Aid in Fish Restoration, Annual Report of Progress, Project F-9-6. Alaska Department of Fish and Game, Juneau, Alaska, USA.
- Alt, K.T. 1976. Sport Fish Investigations of Alaska: Inventory and cataloging of North Slope waters. Alaska Fish and Game, Division of Sport Fish, Annual Performance Report. Project F-9-8, Vol. 17, G-I, Juneau (pages 129-150).
- Alt, K.T. 1979. Contributions to the life history of the humpback whitefish in Alaska. Transactions of the American Fisheries Society 108: 156-160.
- Alt, K.T. 1980. A life history study of sheefish and whitefish in Alaska. Alaska Department of Fish and Game, Division of Sport Fish, Annual Performance Report, 1980-1981, Project F-9-12, Vol. 21, R-II, Juneau (pages 1-31).
- American Ornithologists' Union [AOU]. 1998. Check-list of North American Birds. 7th edition and supplements. American Ornithologists' Union, Washington, D.C., USA.
- Amstrup, S.C., and C. Gardner. 1994. Polar bear maternity denning in the Beaufort Sea. Journal of Wildlife Management. 58: 1-10.
- Amstrup, S.C., G.M. Durner, T.L. McDonald, and W.R. Johnson. 2006. Estimating potential effects of hypothetical oil spills on polar bears. U.S. Geological Survey, Alaska Science Center, Anchorage. Final Report to U.S. Minerals Management Service. 57 pp.
- Amstrup, S.C., I. Stirling, and J.W. Lentfer. 1986. Past and present status of polar bears in Alaska. Wildlife Society Bulletin 14 (3):241-254

- Amstrup, S.C. 2002. Polar bears. Pages 65 -70 in D.C. Douglas, P.E. Reynolds, and E.B. Rhodes, editors. Arctic Refuge coastal plain terrestrial wildlife research summaries. U.S. Geological Survey, Biological Resources, Division, Biological Science Report USGS/BRD/BSR-2002-0001.
- Amstrup, S.C., T.L. McDonald, and I. Stirling. 2001. Polar bears in the Beaufort Sea: a 30 year mark-recapture case history. *Journal of Agricultural, Biological and Environmental Statistics* 2: 221-234.
- Andersen, D. 1993. Trapping in Alaska and the European Economic Community import ban on furs taken with leghold traps. Technical Paper No. 223. Alaska Department of Fish and Game, Division of Subsistence. Juneau, Alaska, USA.
- Andersen, D., and G. Jennings. 2001. The 2000 harvest of migratory birds in ten Upper Yukon River communities, Alaska. Final Report No. 1 to U.S. Fish and Wildlife Service under Cooperative Agreement No. 701801J252.
- Andersen, D.B., C.L. Brown, R.J. Walker, and K. Elkin. 2004. Traditional ecological knowledge and contemporary subsistence harvest of non-salmon fish in the Koyukuk River drainage, Alaska. Alaska Department of Fish and Game, Division of Subsistence, Technical Paper Number 282, Fairbanks, Alaska, USA.
- Anderson, C.G. 1999. Arctic fox *Alopex lagopus*. Pages 147-148 in D.E. Wilson and S. Ruff, editors. 1999. The Smithsonian Book of North American Mammals. Smithsonian Institution Press. Washington, D.C., USA.
- Anderson, D.D. 1968. A Stone age campsite at the gateway to America. *Scientific American* 218(6): 24-33.
- Anderson, D.D. 1970. Akmak: an early archaeological assemblage from Northwest Alaska. *Acta Arctica* 16: 1-180.
- Andrews, E.F. 1977. Report on the cultural resources of the Doyon Region, Central Alaska. Volumes I and II. Cooperative Park Studies Unit, University of Alaska, Fairbanks.
- Andriyashev, A.P. 1954. Fishes of the northern seas of the U.S.S.R. keys to the fauna of the U.S.S.R. No. 53, 617p. Israel Program for Scientific Translations.
- Anras, M.L.B., P.M. Cooley, R.A. Bodaly, L. Anras, and R.J.P. Fudge. 1999. Movement and habitat use by lake whitefish in a boreal lake: Integrating acoustic telemetry and geographic information systems. *Transactions of the American Fisheries Society* 128: 939-952.
- Arctic Climate Impact Assessment [ACIA]. 2005. Arctic Climate Impact Assessment. Cambridge University Press, Cambridge, England, United Kingdom. 1042 pp.
- Arctic Climate Impact Assessment. 2004. Impacts of a warming arctic: arctic climate impact assessment. Cambridge University Press, New York, USA.
- Arctic Refuge. 1976. Arctic National Wildlife Refuge, Annual Narrative Report - 1972. Arctic Refuge, Fairbanks, Alaska, USA.
- Arctic Refuge. 1977. Arctic National Wildlife Refuge, Annual Narrative Report - 1975. Arctic Refuge, Fairbanks, Alaska, USA.
- Arctic Refuge. 1979. Arctic National Wildlife Refuge, Annual Narrative Report - 1978. Arctic Refuge, Fairbanks, Alaska, USA.

Literature Cited

- Arctic Refuge. 1980. Arctic National Wildlife Refuge, Annual Narrative Report - 1979. Arctic Refuge, Fairbanks, Alaska, USA.
- Arctic Refuge. 1984. Arctic National Wildlife Refuge, Annual Narrative Report - 1983. Arctic Refuge, Fairbanks, Alaska, USA.
- Arctic Refuge. 1985. Arctic National Wildlife Refuge, Annual Narrative Report - 1984. Arctic Refuge, Fairbanks, Alaska, USA.
- Arctic Refuge. 1986. Arctic National Wildlife Refuge, Annual Narrative Report - 1985. Arctic Refuge, Fairbanks, Alaska, USA.
- Arctic Refuge. 1987. Arctic National Wildlife Refuge, Annual Narrative Report - 1986. Arctic Refuge, Fairbanks, Alaska, USA.
- Arctic Refuge. 1988. Arctic National Wildlife Refuge, Annual Narrative Report - 1987. Arctic Refuge, Fairbanks, Alaska, USA.
- Arctic Refuge. 1989. Arctic National Wildlife Refuge, Annual Narrative Report - 1988. Arctic Refuge, Fairbanks, Alaska, USA.
- Arctic Refuge. 1990. Arctic National Wildlife Refuge, Annual Narrative Report - 1989. Arctic Refuge, Fairbanks, Alaska, USA.
- Arctic Refuge. 1993. Arctic National Wildlife Refuge Draft River Management Plan and Environmental Assessment. Arctic Refuge, Fairbanks, Alaska, USA.
- Arctic Refuge. 2008a. Use of Arctic National Wildlife Refuge by Toolik Lake people: 1997-2005. Arctic Refuge, Fairbanks, Alaska, USA. Unpublished.
- Arctic Refuge. 2008b. Strategies for Minimizing Your Impacts. <<http://arctic.fws.gov/camping.htm>>. Accessed 1 Feb 2011.
- Arctic Refuge. 2010. Summary of Recreational Impact Monitoring Efforts for the Kongakut River, Arctic National Wildlife Refuge. Unpublished report. Arctic Refuge, Fairbanks, Alaska, USA.
- Arctic Refuge. 2011. Arctic National Wildlife Refuge public use summary. Arctic Refuge, Fairbanks, Alaska, USA. <<http://arctic.fws.gov/pdf/pureportap2011.pdf>>. Accessed 1 Jan 2009 – 2 Feb 2010.
- Arft, A.M., M.D. Walker, J. Gurevitch, J.M. Alatalo, M.S. Bret-Harte, M. Dale, M. Diemer, M.F. Gugerli, G.H.R. Henry, M.H. Jones, R.D. Hollister, L.S. IJónsdóttir, K. Laine, E. Lévesque, G.M. Marion, U. Molau, P. Mølgaard, U. Nordenhäll, V. Raszhivin, C.H. Robinson, G. Starr, A. Strenström, Ø. Totland, P.L. Turner, L.J. Walker, P.J. Webber, J.M. Welker, and P.A. Wookey. 1999. Responses of tundra plants to experimental warming: meta-analysis of the International Tundra Experiment. *Ecological Monographs* 69: 491-511.
- Armstrong, R.H. and J.E. Morrow. 1980. The Dolly Varden char, *Salvelinus malma*. Pages 99-140 in U.K. Balon, editor. *Charrs: salmonid fishes of the genus Salvelinus*. Dr. W. Junk Publishers, The Hague, Netherlands.
- Arthur, S.M. and P.A. Del Vecchio. 2009. Effects of oil field development on calf production and survival in the Central Arctic Herd. Alaska Department of Fish and Game. Federal Aid in Wildlife Restoration. Final Research Technical Report. Grants W-27-5 and W-33-1 through W-33-4. Project 3.46. Juneau, Alaska, USA.

- Arthur, S.M., K.R. Whitten, F.J. Mauer, and D. Cooley. 2003. Modeling the decline of the Porcupine caribou herd, 1989-1998: the importance of survival vs recruitment. *Rangifer Special Issue* 14:123-130.
- Arvey, W.D. 1991. Stock status of anadromous Dolly Varden in waters of Alaska's North Slope. Alaska Department of Fish and Game. Fishery Manuscript Number 91-3.
- Bacon, J.J., T.R Hepa., H.K Brower., M.Pederson, T.P. Olemaun, J.C. George, and B.G. Corrigan. 2009. Estimates of subsistence harvest for villages on the North Slope of Alaska, 1994-2003. North Slope Borough Department of Wildlife Management, Barrow, Alaska, USA.
- Balascio, N.L., D.S. Kaufman, J.P. Briner, and W.F. Manley. 2005a. Equilibrium-line altitudes during the last glacial maximum across the Brooks Range, Alaska. *Journal of Quaternary Science* 20:821-838.
- Balascio, N.L., D.S. Kaufman, J.P. Briner, and W.F. Manley. 2005b. Late pleistocene glacial geology of the Okpilak-Kongakut Rivers region, northeastern Brooks Range, Alaska. *Arctic, Antarctic, and Alpine Research* 37:416-424.
- Ballard, W.B., E.H. Follmann, D.G. Ritterr, M.D. Robards, and M.A. Cronin. 2001. Rabies and canine distemper in an arctic fox population in Alaska. *Journal of Wildlife Diseases* 37(1): 133-137.
- Barber, V.A., G.P. Juday, T. Osterkamp, R. D'Arrigo, E. Berg, B. Buckley, L. Hinzman, H. Huntington, M.T. Jorgenson, D. Mcguire, B. Riordan, A. Whiting, G. Wiles, and M. Wilmking. 2009. A synthesis of recent climate warming effects on terrestrial ecosystems of Alaska. Pages 110-139 in F.H. Wagner, editor. *Climate Warming in Western North America: Evidence and Environmental Effects*. University of Utah Press, Salt Lake City, Utah, USA.
- Barry, R.G. 1979. Study of Climatic Effects on Fast Ice Extent and Its Seasonal Decay Along the Beaufort-Chukchi Coasts. Pages 272-375 in *Environmental Assessment of the Alaskan Continental Shelf, Vol. 2: Physical Science Studies, Final Report*. National Oceanic and Atmospheric Administration, Boulder, Colorado, USA.
- Bart, J., B. Andres, S. Brown, G. Donaldson, B. Harrington, V. Johnston, S. Jones, R.I.G. Morrison, and S. Skagen. 2005. The program for regional and international shorebird monitoring (PRISM). Pages 893-901 in *Bird conservation implementation and integration in the Americas: Proceedings of the third international Partners in Flight conference*, C. J. Ralph and T.D. Rich, editors. 20-24 March 2002, Asilomar, California. Volume 2, USDA Forest Service General Technical Report PSWGTR-191. U.S. Department of Agriculture, Pacific Southwest Research Station, Forest Service, Albany, California, USA.
- Bart, J., S. Brown, B. Harrington, and R.I.G. Morrison. 2007. Population trends of North American shorebirds: population declines or shifting distributions? *Journal of Avian Biology* 38:73-82.
- Bartlett, H. 2007. 2007 Kongakut River: familiarization and evaluation float trip report. Unpublished report. U. S. Fish and Wildlife Service, Arctic Refuge, Fairbanks, Alaska, USA.

Literature Cited

- Barton, L.R. 1984. A catalog of Yukon River salmon spawning escapement surveys. Technical Data Report 121. Alaska Department of Fish and Game, Juneau, Alaska, USA.
- Batzli, G.O., and F.A. Pitelka. 1983. Nutritional ecology of microtine rodents: food habits of lemmings near Barrow, Alaska. *Journal of Mammalogy* 64(4): 648-655.
- Bayha, K., S. Lyons, and M.L. Harle. 1997. Strategic Plan for Water Resources Branch. WRB-97-1. U.S. Department of the Interior, Fish and Wildlife Service, Division of Realty, Anchorage, Alaska, USA.
- Bee, J. W. 1958. Birds found on the Arctic Slope of northern Alaska. University Kansas Museum of Natural History Publication 10(5):163-211.
- Bee, J.W., and E.R. Hall. 1956. Mammals of Northern Alaska on the arctic slope. University of Kansas Museum of Natural History, Miscellaneous publications: 1-309.
- Beechey, F.W. 1831. Narrative of a voyage to the Pacific and Bering's Strait. Henry Colburn and Richard Bently, London, England.
- Bendock, T. 1977. Beaufort Sea estuarine fishery study. Final Report of the Principal Investigators, Outer Continental Shelf Environmental Assessment Program, Volume 4. National Oceanic and Atmospheric Administration, Anchorage, Alaska, USA.
- Bendock, T. 1980. Inventory and cataloging of Arctic area waters. Alaska Department of Fish and Game, Division of Sport Fish, Annual Performance Report, 1979-1980, Project F-9-12, Vol. 21, G-I-I, Juneau.
- Bendock, T. 1982. Inventory and cataloging of Arctic area waters. Alaska Department of Fish and Game, Division of Sport Fish, Annual Performance Report, 1981-1982, Project F-9-14, Vol. 23, G-I-I, Juneau.
- Bendock, T. 1984. Inventory and cataloging of Arctic area waters. Alaska Department of Fish and Game, Division of Sport Fish, Annual Performance Report, 1983-1984, Project F-9-15, Vol. 24, G-I-I, Juneau.
- Bendock, T.N., and J.M. Burr. 1984. Freshwater fish distributions in the Central Arctic Coastal Plain (Ikpikpuk River to Colville River). Alaska Department of Fish and Game. 30p.
- Bendock, T.N., and J.M. Burr. 1985. Inventory and cataloging of Arctic area waters. Alaska Department of Fish and Game, Division of Sport Fish, Annual Performance Report, 1984-1985, Project F-9-17, Vol. 26, G-I-I, Juneau, Alaska, USA.
- Best, T.L. 1999a. Alaskan Hare. *Lepus othus*. Pages 702-703 in Wilson, D.E. and S. Ruff (eds.) 1999. The Smithsonian Book of North American Mammals. Smithsonian Institution Press. Washington, D.C., USA.
- Best, T.L. 1999b. Arctic Hare. *Lepus arcticus*. Pages 697-698 in Wilson, D.E. and S. Ruff (eds.) 1999. The Smithsonian Book of North American Mammals. Smithsonian Institution Press. Washington, D.C., USA.
- Blix, A.S. 2005. Arctic animals and their adaptations to life on the edge. Tapir Academic Press.
- Bidgood, B.F. 1974. Reproductive potential of two lake whitefish (*Coregonus clupeaformis*) populations. *Journal of the Fisheries Research Board of Canada* 31: 1631-1639.

- Bishop, F.G. 1971. Observations on spawning habits and fecundity of the Arctic grayling. *The Progressive Fish Culturist*. 33:12-19.
- Blazina-Joyce, R. 1989. A dendrochronological analysis of Neets'aiti Gwich'in caribou pounds and associated structures in northeastern Alaska. Thesis, Northern Arizona University, Flagstaff, Arizona, USA.
- Bockheim, J.G., J.D. O'Brien, J.S. Munroe, and K.M. Hinkel. 2003. Factors affecting the distribution of *Populus balsamifera* on the North Slope of Alaska, U.S.A. *Arctic, Antarctic, and Alpine Research* 35(3): 331-340.
- Bodaly, R.A. 1986. Biology, exploitation and culture of coregonid fishes in Canada. *Advances in Limnology* 22: 1-30.
- Boreal Partners in Flight Working Group. 1999. Landbird conservation plan for Alaska biogeographic regions, Version 1.0. Unpublished Report, U.S. Fish and Wildlife Service, Anchorage, Alaska, USA.
<<http://alaska.usgs.gov/science/biology/bpif/conservation/index.php>>. Accessed 15 April 2010.
- Bowers, P.M. 1982. The Lisburne Site: analysis and cultural history of a multi-component workshop in the Iteriak Valley, Arctic Foothills, Northern Alaska. *Anthropological Papers of the University of Alaska* 20(1-2): 79-112.
- Bowers, P.M. 1999. AMS Dating of the Area 22 American PaleoArctic Tradition Microblade component at the Lisburne Site, Arctic Alaska. *Current Research in the Pleistocene* 16:12-14.
- Bowyer, R.T., and D.M. Leslie, Jr. 1992. *Ovis dalli*. *Mammalian Species* 393:1-7.
- Boyle, B., A.W. Brackney, and D. Sowards. 2002. Distribution and Abundance of Fall Staging Snow Geese on the Coastal Plain of the Arctic National Wildlife Refuge 1997-2001. Unpublished Report, U.S. Fish and Wildlife Service, Arctic National Wildlife Refuge, Fairbanks, Alaska, USA.
- Brabets, T.P., B. Wang, and R.H. Meade. 2000. Environmental and hydrologic overview of the Yukon River basin, Alaska and Canada. U.S. Geological Survey Water-Resources Investigations Report 99-4204, Anchorage, Alaska, USA.
- Brackney, A.W. 1988. Distribution and Abundance of Fall Staging Snow Geese on Coastal Plain of the Arctic National Wildlife Refuge, 1986 and 1987. Unpublished Report, U.S. Fish and Wildlife Service, Arctic National Wildlife Refuge, Fairbanks, Alaska, USA.
- Brackney, A.W. 1989. Distribution, abundance, and productivity of fall staging snow geese on the coastal plain of the Arctic National Wildlife Refuge, 1988. Unpublished Report, U.S. Fish and Wildlife Service, Arctic National Wildlife Refuge, Fairbanks, Alaska, USA.
- Brackney, A.W. 1990. Distribution and abundance of fall staging snow geese on coastal plain of the Arctic National Wildlife Refuge, 1989. Unpublished Report, U.S. Fish and Wildlife Service, Arctic National Wildlife Refuge, Fairbanks, Alaska, USA.
- Brackney, A.W. 2008. Vital statistics on the arctic national wildlife refuge, Alaska. Unpublished Report U.S. Fish and Wildlife Service, Arctic National Wildlife Refuge.

Literature Cited

- Brackney, A.W., R.M. Platte, and J.M. Morton. 1987. Migratory bird use of the coastal lagoon system of the Beaufort Sea coastline within the Arctic National Wildlife Refuge, Alaska, 1985. Arctic National Wildlife Refuge Progress Report Number FY86-15. Arctic National Wildlife Refuge, U.S. Fish and Wildlife Service, Fairbanks, Alaska. Pages 422-450 in 1985 update report baseline study of the fish, wildlife and their habitats. Vol. 1, Sect. 1002C, ANILCA, USDI, USFWS, Region 7, Anchorage, Alaska, USA.
- Bradford, M.J., A.V. Vinster, and P.A. Milligan. 2009. Freshwater life history, habitat, and the production of Chinook salmon from the upper Yukon Basin. Pages 19-38 *in* C.C. Krueger and C.E. Zimmerman, editors. Pacific salmon: ecology and management of western Alaska's populations. American Fisheries Society, Symposium 70, Bethesda, Maryland, USA.
- Breaser, S.W., D.F. Stearns, M.W. Smith, R.L. West, and J.B. Reynolds. 1988. Observations of movements and habitat preferences of burbot in an Alaskan glacial river system. Transactions of the American Fisheries Society. 117:506-509.
- Brower, C.D., A. Carperter, M.L. Branigan, W. Calvert, T. Evans, A.S. Fischback, J.A. Nagy, S. Schliebe and 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.
- Brower, H.K., and T.R. Hepa. 1998. Subsistence hunting Activities and the Inupiat Eskimo. Cultural Survival Quarterly 22:37-39.
- Brower, H.K., T.P. Olemaun, and T.R. Hepa. 2000. North Slope Borough Subsistence Harvest Documentation Project: Data for Kaktovik, Alaska for the period December 1, 1994 to November 30, 1995. Department of Wildlife Management, North Slope Borough, Barrow, Alaska, USA.
- Brown, R.J. 2006. Humpback whitefish *Coregonus pidschian* of the upper Tanana River drainage. U.S. Fish and Wildlife Service, Alaska Fisheries Technical Report No. 90, Fairbanks, Alaska, USA.
- Brown, R.J. 2008. Life history and demographic characteristics of Arctic cisco, Dolly Varden, and other fish species in the Barter Island region of northern Alaska. U.S. Fish and Wildlife Service, Alaska Fisheries Technical Report No. 101, Fairbanks, Alaska, USA.
- Brown, R.J., and C. Fleener. 2001. Beaver dam influence on fish in lentic and lotic habitats in the Black River drainage, Alaska. U.S. Fish and Wildlife Service, Study No. FIS-00-004.
- Brown, R.J., N. Bickford, and K. Severin. 2007a. Otolith trace element chemistry as in indicator of anadromy in Yukon River drainage Coregonine fishes. Transactions of the American Fisheries Society 136: 678-690.
- Brown, S., C. Hickey, B. Harrington, and R. Gill, eds. 2001. United States shorebird conservation plan, 2nd edition, Manomet, Massachusetts: Manomet Center for Conservation Sciences.
<<http://www.fws.gov/shorebirdplan/USShorebird/PlanDocuments.htm>>. Accessed 15 April 2010.

- Brown, S., J. Bart, R.B. Lanctot, J. Johnson, S. Kendall, D. Payer, and J. Johnson. 2007b. Shorebird abundance and distribution on the coastal plain of the Arctic National Wildlife Refuge. *Condor* 109:1-14.
- Bryan, J.E. 1973. The influence of pipeline development on freshwater fishery resources of northern Yukon Territory, aspects of research conducted in 1971 and 1972. Pacific Region Department of the Environment, Northern Operations Branch Fisheries Service, Task Force on Northern Oil Development Report No. 73-6 (Information Canada Catalog No. R72-9773).
- Bryan, J.E., and D.A. Kato. 1975. Spawning of lake whitefish, *Coregonus clupeaformis*, and round whitefish, *Prosopium cylindraceum*, in Aishihik Lake and East Aishihik River, Yukon Territory. *Journal of the Fisheries Research Board of Canada* 32: 283-288.
- Buck, L.C., and B.M. Barnes. 1999. Annual cycle of body composition and hibernation in free-living arctic ground squirrels. *Journal of Mammalogy*. 80(2): 430-442.
- Buklis, L.S., and L.H. Barton. 1984. Yukon River fall chum salmon biology and stock status. Alaska Department of Fish and Game. Division of Commercial Fisheries, Anchorage. 67p.
- Busher, W.H., and T. Hamazaki. 2005. Subsistence and personal use salmon harvests in the Alaska portion of the Yukon River drainage, 2003. Regional Information Report 3A04-33. Alaska Department of Fish and Game, Division of Commercial Fisheries, Anchorage, Alaska, USA.
- Busher, W.H., T. Hamazaki, and A.M. Marsh. 2007. Subsistence and personal use salmon harvests in the Alaska portion of the Yukon River drainage, 2005. Fishery Data Series No. 07-52. Alaska Department of Fish and Game, Division of Commercial Fisheries. Anchorage, Alaska, USA.
- Caikoski, J.R. 2008. Units 24A East, 25A, 26B and 26C Dall sheep. Pages 177-196 in P. Harper editor. Dall sheep management report of survey and inventory activities 1 July 2004-30 June 2007. Alaska Department of Fish and Game. Project 6.0. Juneau, Alaska, USA.
- Caikoski, J.R. 2009. Porcupine Caribou Herd Calving and Post-Calving Surveys, June-July 2009. 14 Aug 2009 memorandum to R. Nowlin, Management Coordinator, Alaska Department of Fish and Game, Region III, Fairbanks, Alaska 99701.
- Cameron, R.D. and K.R. Whitten. 1979. Seasonal movements and sexual aggregation of caribou determined by aerial survey. *Journal of Wildlife Management* 43:626-633.
- Campbell, J.M. 1961. The Tuktuk complex of Anaktuvuk Pass. *Anthropological Papers of the University of Alaska* 9(1):69-80.
- Carlson, M.L., and M. Shephard. 2007. The spread of invasive exotic plants in Alaska: is establishment of exotics accelerating? Pages 117-133 in T.B. Harrington and S.H. Reichard, editors. Meeting the Challenge: Invasive Plants in Pacific Northwestern Ecosystems. U.S. Department of Agriculture, Forest Service, Pacific Northwest Research Station General Technical Report 694, Portland, Oregon, USA.
- Carroll, G. 2007. Unit 26A, Teshekpuk caribou herd. Pages 262-283 in P. Harper, editor. Caribou management report of survey and inventory activities 1 July 2004-30 June 2006. Alaska Department of Fish and Game. Project 3.0. Juneau, Alaska, USA.

Literature Cited

- Carter, L.D. 1988. Loess and deep thermokarst basins in arctic Alaska. Pages 706-711 in K. Senneset, editor. Proceedings of the Fifth International Conference on Permafrost, Trondheim, Norway.
- Carter, W.K. 1966. Archaeological survey of Eskimo, or earlier, material in the vicinity of Point Barrow, Alaska: final report. Office of Naval Research and Arctic Institute of North America, Contract number ONR-110, 31 January.
- Carter, W.K. 2010. Life history and spawning movements of broad whitefish in the middle Yukon River. Master's Thesis, University of Alaska Fairbanks, Fairbanks, Alaska, USA.
- Case, D.S., and D.A. Voluck. 2002. Alaska Natives and American Laws, 2nd Edition. University of Alaska Press, Fairbanks, Alaska, USA.
- Case, R.L., and L. Buckland. 1998. Reproductive characteristics of grizzly bears in the Kugluktuk area, Northwest Territories, Canada. *Ursus* 10:41-47.
- Caudill, J., and E. Carver. 2007. Banking on Nature 2006: the economic benefits to local communities of National Wildlife Refuge visitation. U.S. Fish and Wildlife Service, Division of Economics, Washington D.C., USA.
- Caulfield, R.A. 1983. Subsistence land use in upper Yukon-Porcupine communities. Alaska Technical Paper Number 16. Alaska Department of Fish and Game, Subsistence Division.
- Chang-Kue, K.J.T., and E.F. Jessop. 1997. Broad whitefish radio tagging studies in the lower Mackenzie River and adjacent coastal region, 1982-1993. Pages 117-146 in R.F. Tallman, and J.D. Reist, editors. The proceedings of the broad whitefish workshop: the biology, traditional knowledge and scientific management of broad whitefish (*Coregonus nasus* (Pallas)) in the lower Mackenzie River. Canadian Technical Report of Fisheries and Aquatic Sciences 2193, Winnipeg, Manitoba, Canada.
- Chen, L. 1969. The biology and taxonomy of the burbot *Lota lota*, in interior Alaska. Biological Papers of the University of Alaska. No. 11.
- Chesemore, D.L. 1968. Occurance of moose near Barrow, Alaska. *Journal of Mammalogy* 49:528-529.
- Childers, J.M., C.E. Sloan, and J.P. Meckel. 1973. Hydrologic reconnaissance of streams and springs in eastern Brooks Range, Alaska--July 1972. U.S. Geological Survey, Water Resources Division Basic Data Report. U.S. Geological Survey, Water Resources Division Anchorage, Alaska, USA.
- Childers, J.M., C.E. Sloan, J.P. Meckel, and J.W. Nauman. 1977. Hydrologic reconnaissance of the eastern north slope, Alaska, 1975. U.S. Geological Survey Open-file report 77-492 U.S. Geological Survey. Anchorage, Alaska, USA.
- Christensen Research. 2009. Arctic National Wildlife Refuge visitors study: the characteristics, experiences, and preferences of Refuge visitors. Christensen Research, U. S. Fish and Wildlife Service, and The Aldo Leopold Wilderness Research Institute, Missoula, Montana, USA.

- Chudobiak, D.H. 1995. An examination of lacustrine and estuarine populations of Mackenzie broad whitefish (*Coregonus nasus* Pallus): the role of migration and commercial exploitation on life history variation. M. Sc. Thesis, Univ. Manitoba, Winnipeg. 135 pp.
- Churcher, C.S. 1999. Grizzly or brown bear *Ursus arctos* 2002. Pages 160-162 in D.E. Wilson and S. Ruff (eds.). The Smithsonian book of North American Mammals, Smithsonian Institution Press, Washington, D.C., USA.
- Clark, D.W. 1981. Prehistory of the Western Subarctic. Pages 107-129 in J. Helm, editor. Handbook of North American Indians: subarctic. Volume 6. Smithsonian Institution, Washington, D.C., USA.
- Clark, D.W. 2001. Microblade-culture systematics in the Far Interior Northwest. Arctic Anthropology 38(2): 64-80.
- Clough, N.K., P.C. Patton, and A.C. Christiansen, editors. 1987. Arctic National Wildlife Refuge, Alaska, coastal plain resource assessment: Report and recommendation to the Congress of the United States and final legislative environmental impact statement. U.S. Fish and Wildlife Service, U.S. Geological Survey, and Bureau of Land Management, Washington, D.C., USA.
- Coffing M., and S. Pederson. 1985. Caribou hunting: land use dimensions, harvest levels and selected aspects of the hunt during regulatory year 1983-84 in Kaktovik, Alaska. Technical Paper No. 120. Alaska Department of Fish and Game, Division of Subsistence, Fairbanks, Alaska, USA.
- Cohen, D.M., T. Inada, T. Iwamoto, and N. Scialabba. 1990. FAO species catalogue. Vol. 10. Gadiform fishes of the world. An annotated and illustrated catalogue of cods, hakes, grenadiers, and other gadiform fishes known to data. FAO Fisheries Symposium Number 125, Vol. 10. 442 pp.
- Cole, D.N. 2004. Wilderness experiences; what should we be managing for? International Journal of Wilderness: 10 (3): 25 – 27.
- Collins, G., and L. Sumner. 1953. Northeast Alaska: The Last Great Wilderness. Sierra Club Bulletin, October 1953.
- Conant, B. and D.J. Groves. 1998. Alaska-Yukon waterfowl breeding population survey: May 16 to June 13, 1998. Unpublished Report, U.S. Fish and Wildlife Service, Juneau, Alaska, USA.
- Conant, B., J.I. Hodges, D.J. Groves, and J.G. King. 2007. The 2005 census of trumpeter swans on Alaskan nesting habitats. Unpublished Report, U.S. Fish and Wildlife Service, Migratory Bird Management, Juneau, Alaska, USA.
- Connors, P.G. 1984. Ecology of shorebirds in the Alaskan Beaufort littoral zone. Pages 403-416 in R. Barnes, D.M. Shell and E. Ramirez, editors. The Alaskan Beaufort Sea: ecosystems and environments. New York: Academic Press, New York, USA.
- Cooley, D. and I. McDonald. 2010. Aerial survey of muskoxen on the Yukon North Slope, 1999-2005. Data report 10-03 VNP, Parks Canada.
- Cordell, H.K., M.A. Tarrant, B.L. McDonald, J.C. Bergstrom. 1998. How the public views wilderness. The International Journal of Wilderness. 4: 28-31.

Literature Cited

- Corkum, L.D., and P.J. McCart. 1981. A review of the fisheries of the Mackenzie delta and nearshore Beaufort Sea. Canadian Manuscript Report of Fisheries and Aquatic Sciences No. 1613, Winnipeg.
- Corn, M.L. 2003. Arctic National Wildlife Refuge: Background and Issues. Report for Congress, Order Code RL 31278, Congressional Research Service, Library of Congress.
- Council of Athabascan Tribal Governments. 2002. Yukon Flats moose harvest data and TEK Study. Final Report Agreement #701811C075. Council of Athabascan Tribal Governments, Natural Resource Department. Fort Yukon, Alaska, USA.
- Council of Athabascan Tribal Governments. 2003. Yukon Flats moose, bear, wolf harvest data collection. Technical Document 03-02. Council of Athabascan Tribal Governments, Natural Resource Department. Fort Yukon, Alaska, USA.
- Council of Athabascan Tribal Governments. 2005. Yukon Flats moose, bear, wolf harvest data collection. Technical Document 05-01. Council of Athabascan Tribal Governments, Natural Resource Department. Fort Yukon, Alaska, USA.
- Craig, P.C. 1973. Fall spawning and overwintering area of fish populations along routes of proposed pipeline between Prudhoe Bay and the Mackenzie Delta. Canadian Arctic Gas Study Limited. 46p.
- Craig, P.C. 1977a. Fisheries investigations in the Shavirovik River drainage, Alaska, with emphasis on Arctic char in the Kavik River (Chapter 3). *In* P. McCart (ed.), Fisheries Investigations along the North Slope and Beaufort Sea coast in Alaska with emphasis on Arctic char, Aquatic Environments Limited, Arctic Gas Biological Report Series, Volume 41.
- Craig, P.C. 1977b. Arctic char in the Saderochit Spring, Arctic National Wildlife Refuge. (Chapter 2). *In* P. McCart (ed.), Fisheries Investigations along the North Slope and Beaufort Sea coast in Alaska with emphasis on Arctic char, Aquatic Environments Limited, Arctic Gas Biological Report Series, Volume 41.
- Craig, P.C. 1977c. Ecological studies of anadromous and resident populations of Arctic char in the Canning river drainage and adjacent coastal waters of the Beaufort Sea, Alaska. Pages 1-116 (Chapter 1) *In* P. McCart (ed.), Fisheries Investigations along the North Slope and Beaufort Sea coast in Alaska with emphasis on Arctic char, Aquatic Environments Limited, Arctic Gas Biological Report Series, Volume 41.
- Craig, P.C. 1978. Movements of stream-resident and anadromous Arctic char (*Salvelinus alpinus*) in a perennial spring on the Canning River, Alaska. *Journal of the Fisheries Research Board of Canada*. 35:48:52.
- Craig, P.C. 1984. Fish use of the coastal waters of the Alaskan Beaufort Sea: a review. *Transactions of the American Fisheries Society* 113: 265-282.
- Craig, P.C. 1989a. An introduction to anadromous fishes in the Alaskan Arctic. *Biological Papers of the University of Alaska* 24: 27-54.
- Craig, P.C. 1989b. Subsistence fisheries at coastal villages in the Alaskan Arctic, 1970-1986. *Biological papers of the University of Alaska*. 24:131-152.

- Craig, P.C., and J. Wells. 1975. Fisheries investigations in the Chandalar River region, northeast Alaska. Pages 1-114 (Chapter 1) *In* P.C. Craig (ed.), Fisheries Investigations in a Coastal Region of the Beaufort Sea, Aquatic Environments Limited, Arctic Gas Biological Report Series, Volume 34.
- Craig, P.C., and L. Haldorson. 1981. Fish. *In* Beaufort Sea Barrier Island-Lagoon Ecological Process Studies: Final Report, Simpson Lagoon, Part 4. Environmental Assessment of the Alaskan Continental Shelf, Final Report of Principal Investigators Vol. 8: Biological Studies. Boulder, Colorado: National Oceanic and Atmospheric Administration, Outer Continental Shelf Environment Assessment Program, and Bureau of Land Management. 384–678.
- Craig, P.C., and L. Haldorson. 1986. Pacific salmon in the North American Arctic. *Arctic*. 39:2-7.
- Craig, P.C., and P.J. McCart. 1974. Fall spawning and overwintering areas of fish populations along routes of proposed pipeline between Prudhoe Bay and the Mackenzie Delta 1972-1973. Chapter 3 *In* P.C. Craig (ed.), Fisheries Research Associated with Proposed Gas Pipeline Routes in Alaska, Yukon and Northwest Territories. Aquatic Environments Limited, Arctic Gas Biological Report Series, Volume 15.
- Craig, P.C., and V.A. Poulin. 1975. Movements and growth of Arctic grayling (*Thymallus arcticus*) and juvenile Arctic char (*Salvelinus alpinus*) in a small arctic stream, Alaska. *Journal of the Fisheries Research Board of Canada*. 32: 689-697.
- Craig, P.C., W.B. Griffiths, L. Haldorson, and H. McElderry. 1982. Ecological studies of Arctic cod (*Boreogadus saida*) in Beaufort Sea coastal waters, Alaska. *Canadian Journal of Fisheries and Aquatic Sciences*. 39:395-406.
- Craig, P.C., W.B. Griffiths, L. Haldorson, and H. McElderry. 1985. Distributional patterns of fishes in an Alaskan Arctic lagoon. *Polar Biology*. 4:9-18.
- Craighead, F.C. Jr., and J.J. Craighead. 1972. Grizzly prehibernation and denning activities as determined by radio tracking. *Wildlife Monographs*. 32: 1-35.
- Curtis J., G. Wendler, R. Stone, and E. Dutton. 1998. Precipitation decrease in the western Arctic, with special emphasis on Barrow and Barter Island, Alaska. *International Journal of Climatology* 18: 1687-1707.
- Dau, C.P., and K.S. Bollinger. 2009. Aerial population survey of common eiders and other waterbirds in near shore waters and along barrier islands of the Arctic Coastal Plain of Alaska, 1-5 July 2009. Unpublished Report, U.S. Fish and Wildlife Service, Migratory Bird Management, Anchorage, Alaska, USA.
- Dau, C.P., and W.W. Larned. 2004. Aerial population surveys of common eiders and other waterbirds in nearshore waters and along barrier islands of the Arctic Coastal Plain of Alaska, 24-27 June 2004. Unpublished Report, U.S. Fish and Wildlife Service, Migratory Bird Management, Anchorage, Alaska, USA.
- Dau, C.P., and W.W. Larned. 2005. Aerial population surveys of common eiders and other waterbirds in nearshore waters and along barrier islands of the Arctic Coastal Plain of Alaska, 24-27 June 2005. Unpublished Report, U.S. Fish and Wildlife Service, Migratory Bird Management, Anchorage, Alaska, USA.

Literature Cited

- Dau, C.P., and W.W. Larned. 2006. Aerial population survey of common eiders and other waterbirds in near shore waters and along barrier islands of the Arctic Coastal Plain of Alaska, 25-27 June 2006. Unpublished Report, U.S. Fish and Wildlife Service, Migratory Bird Management, Anchorage, Alaska, USA.
- Dau, C.P., and W.W. Larned. 2007. Aerial population survey of common eiders and other waterbirds in near shore waters and along barrier islands of the Arctic Coastal Plain of Alaska, 22-24 June 2007. Unpublished Report, U.S. Fish and Wildlife Service, Migratory Bird Management, Anchorage, Alaska, USA.
- Dau, C.P., and W.W. Larned. 2008. Aerial population survey of common eiders and other waterbirds in near shore waters and along barrier islands of the Arctic Coastal Plain of Alaska, 24-26 June 2008. Unpublished Report, U.S. Fish and Wildlife Service, Migratory Bird Management, Anchorage, Alaska, USA.
- Dau, C.P., and E.J. Taylor. 2000. Aerial population surveys of common eiders and other waterbirds in nearshore waters and along barrier islands of the Arctic Coastal Plain of Alaska, 3-12 July 2000. Unpublished Report, U.S. Fish and Wildlife Service, Migratory Bird Management, Anchorage, Alaska, USA.
- Dau, C.P., and J.I. Hodges. 2003. Aerial population surveys of common eiders and other waterbirds in nearshore waters and along barrier islands of the Arctic Coastal Plain of Alaska, 27-30 June 2003. Unpublished Report, U.S. Fish and Wildlife Service, Migratory Bird Management, Anchorage, Alaska, USA.
- Dau, C.P., and P.D. Anderson. 2001. Aerial population surveys of common eiders and other waterbirds in nearshore waters and along barrier islands of the Arctic Coastal Plain of Alaska, 30 June-3 July 2001. Unpublished Report, U.S. Fish and Wildlife Service, Migratory Bird Management, Anchorage, Alaska, USA.
- Dau, C.P., and P.D. Anderson. 2002. Aerial population surveys of common eiders and other waterbirds in nearshore waters and along barrier islands of the Arctic Coastal Plain of Alaska, 25-29 June 2002. Unpublished Report, U.S. Fish and Wildlife Service, Migratory Bird Management, Anchorage, Alaska, USA.
- Daum, D., P. Rost, and M.W. Smith. 1984. Fisheries studies on the North Slope of the Arctic National Wildlife Refuge, 1983. In G.W. Gamer and P.E. Reynolds, editors. Arctic National Wildlife Refuge coastal plain resource assessment, 1983 update report baseline study of the fish, wildlife, and their habitats. U.S. Fish and Wildlife Service, Anchorage. 66p.
- Davis, J.L., P. Valkenburg, H.V. Reynolds, C. Grauvogel, R.T. Shideler, and D.A. Johnson. 1978. Herd identity, movements, distribution and seasonal patterns of habitat use of the Western Arctic Caribou Herd. Alaska Department of Fish and Game. Federal Aid in Wildlife Restoration. Final Report. Project No. W-17-8 and W-17-9. Job No. 3.21 R. Juneau. 26 p.
- Day, R.H. 1998. Predator population and predation intensity on tundra-nesting birds in relation to human development. Unpublished report to Northern Alaska Ecological Services, U.S. Fish and Wildlife Service, Fairbanks, Alaska, USA, prepared by Alaska Biological Research, Inc., Fairbanks, Alaska, USA.
- DeCicco, A.L. 1997. Movements of postsmolt anadromous Dolly Varden in Northwest Alaska. American Fisheries Society Symposium. 19:175-183.

- DeMaster, D.P., and I. Stirling. 1981. *Ursus maritimus*. Mammalian Species 145:1-7.
- Department of the Interior. 1987. Porcupine Caribou Herd International Conservation Agreement, July 17, 1987. Ottawa, Canada.
- Deschermeier, S.J., T.M. Stevens, D.W. Wiswar, and R.L. West. 1987. Fisheries investigations in the Kongakut River, Arctic National Wildlife Refuge, Alaska, 1985. Pages 875-896 in G.W. Garner and P.E. Reynolds, editors. Arctic National Wildlife Refuge coastal plain resource assessment, 1985 update report, baseline study of the fish, wildlife, and their habitats, volume II. U.S. Fish and Wildlife Service, Anchorage.
- Dillinger, R.E., T.P. Birt, and J.M. Green. 1992. Arctic cisco, *Coregonus autumnalis*, distribution, migration and spawning in the Mackenzie River. The Canadian Field-Naturalist 106(2): 175-180.
- Divoky, G.J. 1978. Identification, documentation, and delineation of coastal migratory bird habitat in Alaska. I. Breeding bird use of barrier islands in the northern Chukchi and Beaufort Seas. Environmental Assessment of the Alaskan Continental Shelf 1:482-548.
- Dixon, E.J. 1975. The Gallagher Flint Station, an early man site on the North Slope, Arctic Alaska, and its role in relation to the Bering Land Bridge. Arctic Anthropology 12(1): 68-75.
- Dokuchaev, N.E. 1997. A new species of shrew (Soricidae, Insectivora) from Alaska. Journal of Mammalogy 78: 811-817.
- Dornblaser, M.M., and D.R. Halm. 2006. Water and sediment quality of the Yukon River and its tributaries, from Eagle to St. Mary's, Alaska, 2002-2003. U.S. Geological Survey Open-File Report 2006-1228.
- Dornblaser, M.M., and R.G. Striegl. 2007. Nutrient (N, P) loads and yields at multiple scales and sub basin types in the Yukon River basin, Alaska. Journal Geophysical Research 112:G04S57.
- Douglas, D.C., P.E. Reynolds, and E.B. Rhode, editors. 2002. Arctic Refuge coastal plain terrestrial wildlife research summaries. U.S. Geological Survey, Biological Resources Division, Biological Science Report USGS/BRD/BSR-2002- 0001.
- Doxey, M. 1991. A history of fisheries assessments and stocking programs in Harding Lake, Alaska, 1939-1989. Alaska Department of Fish and Game, Division of Sport Fish, Fishery Manuscript Number 91-2, Anchorage.
- Dumond, D.E. 1984. Prehistory: Summary. Pages 72-79 in D. Damas, editor. Handbook of North American Indians: arctic. Volume 5. Smithsonian Institution Press, Washington, D.C., USA.
- Dumond, D.E. 1987. A re-examination of Eskimo-Aleut prehistory. American Anthropologist 89(1):32-56.
- Dumond, D.E. 2001. The archaeology of Eastern Beringia: some contrasts and connections. Arctic Anthropology 38(2): 196-205.

Literature Cited

- Dunn, E.H., B.L. Altman, J. Bart, C.J. Beardmore, H. Berlanga, P.J. Blancher, G.S. Butcher, D.W. Demarest, R. Dettmers, W.C. Hunter, E.E. Inigo-Elias, A.O. Panjabi, D.N. Pashley, C.J. Ralph, T.D. Rich, K.V. Rosenberg, C.M. Rustay, J.M. Ruth, and T.C. Will. 2005. High priority needs for range-wide monitoring of North American landbirds. Partners in Flight Technical Series No. 2.
<<http://www.partnersinflight.org/pubs/ts/02-MonitoringNeeds.pdf>>. Accessed 29 Jan 2008.
- Durner, G.M., D.C. Douglas, R.M. Nielson, S.C. Amstrup, T.L. McDonald, I. Stirling, M. Mauritzen, E.W. Born, O. Wiig, E. DeWeaver, M.C. Serreze, S.E. Belikov, M.M. Holland, J. Maslanik, J. Aars, D.C. Bailey, and A.E. Derocher. 2009. Predicting 21st century polar bear habitat distribution from global climate models. *Ecological Monographs* 79(1):25-58.
- Durner, G.M., S.C. Amstrup, K.J. Ambrosius. 2006. Polar bear maternal den habitat in the Arctic National Wildlife Refuge, Alaska *Arctic* 59 (1): 31-36.
- Ebener, M.P. 1997. Recovery of lake whitefish populations in the Great Lakes. *Fisheries* 22(7): 18-20.
- Eiler, J.H., T.R. Spercer, J.J. Pella, and M.M. Masuda. 2006a. Stock composition, run timing, and movement patterns of Chinook salmon returning to the Yukon River basin in 2003. U.S. Department of Commerce, NOAA Technical Memorandum. NMFS-AFSC-163, 104p.
- Eiler, J.H., T.R. Spercer, J.J. Pella, and M.M. Masuda. 2006b. Stock composition, run timing, and movement patterns of Chinook salmon returning to the Yukon River basin in 2004. U.S. Department of Commerce, NOAA Technical Memorandum. NMFS-AFSC-165, 107p.
- Eiler, J.H., T.R. Spercer, J.J. Pella, M.M. Masuda, and R.R. Holder. 2004. Distribution and movement patterns of Chinook salmon returning to the Yukon River basin in 2000-2002. U.S. Department of Commerce, NOAA Technical Memorandum. NMFS-AFSC-148, 99p.
- Environment Yukon. 2009. Rationale for implementing conservation measures to protect the Porcupine Caribou Herd.
<<http://www.environmentyukon.gov.yk.ca/mapspublications/plansreports.php>>. Accessed 12 Jan 2011.
- Esch, D.C., and T.E. Osterkamp. 1990. Cold regions engineering: Climatic warming concerns for Alaska. *Journal of Cold Regions Engineering* 4(1): 6-14.
- Evenson, M.J. 1993. Seasonal movements of radio-implanted burbot in the Tanana River drainage. Alaska Department of Fish and Game. Fishery Data Series Number 93-47. 35p.
- Fancy, S.G., K.R. Whitten, and D.E. Russell. 1994. Demography of the Porcupine caribou herd, 1983-1992. *Canadian Journal of Zoology* 72:840-846.
- Fechhelm, R.G., B. Streever, and B.J. Gallaway. 2007. The arctic cisco (*Coregonus autumnalis*) subsistence and commercial fisheries, Colville River Alaska: a conceptual model. *Arctic* 60(4): 421-429.

- Fechhelm, R.G., G.B. Buck, and M.R. Link. 2006. Year 24 of the long-term monitoring of nearshore Beaufort Sea fishes in the Prudhoe Bay region, 2006. Report for BP Exploration (Alaska) Inc. by LGL Alaska Research Associates, Inc., Anchorage, Alaska. 82 p.
- Federal Committee on Ecological Reserves. 1977. A directory of research natural areas on federal lands of the United States of America. U.S. Department of Agriculture, Forest Service, Washington, D.C., USA.
- Ferrians, O.J. 1965. Permafrost map of Alaska, scale 1:2,500,000. U.S. Geological Survey, EROS Alaska Field Office Miscellaneous Geologic Investigations Map I-445, Anchorage, Alaska, USA.
- Fischbach, A.S., S.C. Amstrup, and D.C. Douglas. 2007. Landward and eastward shift of Alaskan polar bear denning associated with recent sea ice changes. *Polar Biology* 30:1395-1405: doi.1007/s00300-0070-0300-4.
- Fix, P.J. 2009. Alaska Residents Statistics Program final report. Department of Resources Management, University of Alaska Fairbanks, Fairbanks, Alaska, USA.
- Folland, C.K., T.R. Karl, J.R. Christy, R.A. Clarke, G.V. Gruza, J. Jouzel, M.E. Mann, J. Oerlemans, M.J. Salinger, and S.W. Wang. 2001. Observed climate variability and change. Pages 99-181 *in* *Climate Change 2001: The Scientific Basis: Contribution of Working Group I to the Third Assessment Report of the Intergovernmental Panel on Climate Change*. J.T. Houghton, Y. Ding, D.J. Griggs, M. Noguer, P.J. van der Linden, X. Dai, K. Maskell, and C.A. Johnson, editors. Cambridge University Press. Cambridge, United Kingdom and New York, New York, USA.
- Ford, J. 1959. Eskimo prehistory in the vicinity of Point Barrow, Alaska. *Anthropological Papers of the American Museum of Natural History* 47(2).
- Franklin, J. 1828. *Narrative of a Second Expedition to the Shores of the Polar Sea, in the Years 1825, 1826, 1827*. John Murray, London, England.
- Frey, K.E., and J.W. McClelland. 2009. Impacts of permafrost degradation on arctic river biogeochemistry. *Hydrological Processes* 23:169-182.
- Fruge, D.J. 1987. Trip Report: aerial surveys of Arctic char in five coastal streams, Arctic National Wildlife Refuge, 1986. Unpublished memorandum, dated December 16, 1987. U.S. Fish and Wildlife Service, Fairbanks, Alaska, USA.
- Fruge, D.J., D.W. Wiswar, L.J. Dugan, and D.E. Palmer. 1989. Fish population characteristics of Arctic National Wildlife Refuge coastal waters, summer 1988. Progress Report. U.S. Fish and Wildlife Service, Fairbanks, Alaska, USA.
- Furniss, R.A. 1975. Inventory and cataloging of Arctic area waters. Federal Aid in Fish Restoration, Annual Report of Progress. Alaska Department of Fish and Game Project F-9-7. 45p.
- Gal, R. 1982. Excavation of the Tunalik Site, Northwestern national Petroleum Reserve in Alaska. *Anthropological Papers of the University of Alaska* 20(1-2): 61-78.

Literature Cited

- Galginaitis M., C. Gerlack., P. Bowers, and C. Wooley. 2001. Subsistence Section 3.3.3. in Environmental Report for Trans-Alaska Pipeline System Right-of-Way Renewal. Volume 1. Trans Alaska Pipeline System Owners.
<http://tapseis.anl.gov/documents/docs/Section_33_May2.pdf>
- Gallant, A.L., E.F. Binnian, J.M. Omernik, and M.B. Shasby. 1995. Ecoregions of Alaska: U.S. geological survey professional paper 1567. U.S. Geological Survey, Washington, D.C., USA.
- Galloway, B.J., W.B. Griffiths, P.C. Craig, W.J. Gazey, and J.W. Helmericks. 1983. An assessment of the Colville River delta stocks of Arctic cisco – migrants from Canada? Biological Papers of the University of Alaska 21: 4-23.
- Garner, G.W., and P.E. Reynolds, editors. 1986. Arctic National Wildlife Refuge coastal plain resource assessment. Final report: baseline study of the fish, wildlife, and their habitats. U.S. Fish and Wildlife Service, Anchorage, Alaska, USA.
- Garner, G. W., and P.E. Reynolds, editors. 1987. Arctic National Wildlife Refuge coastal plain resource assessment, 1985 update report, baseline study of the fish, wildlife, and their habitats, volumes I, II, III. U.S. Fish and Wildlife Service, Anchorage, Alaska, USA.
- Gaston, K.J. 2000. Global patterns in biodiversity. Nature 405: 220-227.
- Georgette, S., and A. Shiedt. 2005. Whitefish: traditional ecological knowledge and subsistence fishing in the Kotzebue Sound region, Alaska. Division of Subsistence, Alaska Department of Fish and Game, Technical Paper Number 290, Juneau, Alaska, USA.
- Gerken, J. 2009. Identification and characterization of inconnu spawning habitat in the Sulukna River, Alaska. Master's Thesis, University of Alaska Fairbanks.
- Gibbs, A.E., B.M. Richmond, and L. Erikson. 2008. Regional Shoreline Change Along the North Slope of Alaska. Abstract C11C-0521. American Geophysical Union Fall Meeting, 15-19 December, San Francisco, California, USA.
- Giddings, J. L., and D.D. Anderson. 1986. Beach Ridge archaeology of Cape Krusenstern: Eskimo and pre-Eskimo settlements around Kotzebue Sound, Alaska. National Park Service, Publications in Archaeology 20, Washington, D.C., USA.
- Gilchrist, H.G. 2001. Glaucous Gull (*Larus hyperboreus*). Account 573 in A. Poole and F. Gill, editors, The birds of North America. Birds of North America, Inc., Philadelphia, Pennsylvania, USA.
- Gilk, S.E., D.B. Molyneaux, T. Hamazaki, J.A. Pawluk, and W.D. Templin. 2009. Biological and genetic characteristics of fall and summer chum salmon in the Kuskokwim River, Alaska. Pages 161-179 in C.C. Krueger and C.E. Zimmerman, editors. Pacific salmon: ecology and management of western Alaska's populations. American Fisheries Society, Symposium 70, Bethesda, Maryland, USA.
- Glesne, R.S. 1983. Peters-Schrader Lakes fish population survey, August, 1979, and August, 1980. Unpublished Report. U.S. Fish and Wildlife Service, Fairbanks, Alaska, USA.
- Glova, G., and P. McCart. 1974. Life history of Arctic char (*Salvelinus alpinus*) in the Firth River, Yukon Territory. Chapter 3 in P.J. McCart editor Life histories of anadromous and freshwater fish in the Western Arctic. Biological Report Series, Volume 20. Canadian Arctic Gas Study Limited/Alaskan Arctic Gas Study Company, Calgary.

- Gold L.W., and A.H. Lachenbruch. 1973. Thermal conditions in permafrost: a review of North American literature. Pages 3-23 *in* Permafrost: the North American Contribution to the Second International Conference. National Academy of Sciences, Washington, D.C., USA.
- Gooseff, M.N., A. Balsler, W.B. Bowden, J.B. Jones. 2009. Effects of hillslope thermokarst in northern Alaska. *Eos Transactions American Geophysical Union* 90(4): 29-30.
- Grenfell, T.C., and J. Putkonen. 2008. A method for the detection of the severe rain-on-snow event on Banks Island, October 2003, using passive microwave remote sensing. *Water Resource Research* 44:3425-3434.
- Griffith, B., D.C. Douglas, N.W. Walsh, D.D. Young, T.R. McCabe, D.E. Russell, R.G. White, R.E. Cameron, and K.R. Whitten. 2002. The Porcupine caribou herd. Pages 8-37 in D.C. Douglas, P.E. Reynolds, and E.B. Rhode, editors. Arctic Refuge coastal plain terrestrial wildlife research summaries. U.S. Geological Survey, Biological Resources Division, Biological Science Report USGS/BRD/BSR-2002-0001.
- Griffiths, W.B. 1984. Fish. Chapter three *in* J.C. Truett editor. Environmental characterization and biological use of lagoons in the eastern Beaufort Sea. Outer Continental Shelf Environmental Assessment Program Final reports of Principal Investigators Vol. 24. U.S. Department of Commerce, Anchorage Alaska, USA.
- Griffiths, W.B., J.K. DenBeste, and P.C. Craig. 1977. Fisheries investigations in a coastal region of the Beaufort Sea (Kaktovik Lagoon, Alaska). *In* P. McCart, editor. Fisheries investigations along the north slope from Prudhoe Bay, Alaska to the Mackenzie Delta, N.W.T. Biological Report Series, Volume 40. Canadian Arctic Gas Study Limited/Alaskan Arctic Gas Study Company, Calgary, Canada.
- Griffiths, W.B., P.C. Craig, G. Walder, and G. Mann. 1975. Fisheries investigations in a coastal region of the Beaufort Sea (Nuneluk Lagoon, Yukon Territory). *In* P.C. Craig, editor. Fisheries investigations in a coastal region of the Beaufort Sea. Biological Report Series, Volume 34. Canadian Arctic Gas Study Limited/Alaskan Arctic Gas Study Company, Calgary, Canada.
- Gunderson, A.M., B.K. Jacobsen, and L.E. Olson. 2009. Revised distribution of the Alaska marmot, *Marmota broweri*, and confirmation of parapatry with hoary marmots. *Journal of Mammalogy* 90(4):859-869.
- Gwich'in Nation. 1988. Gwich'in Niintsyaa (Resolution).
<<http://www.gwichinsteeringcommittee.org/gwichinniintsyaa.html>> Accessed 1 Jan 2011.
- Hachmeister, L.E., and J.B. Vinelli. 1984. Chapter 7: Physical oceanography. Pages 501-579 *in* Outer continental shelf environmental assessment program: Final reports of principal investigators. Volume 24. U.S. Department of Commerce, National Oceanic & Atmospheric Administration; U.S. Department of the Interior, Minerals Management Service, Anchorage, Alaska, USA.
- Hale, D.A. 1991. A description of the physical characteristics of nearshore and lagoonal waters in the eastern Beaufort Sea, 1989. Report prepared for Fishery Assistance Office, U.S. Fish and Wildlife Service. Office of Oceanography and Marine Assessment, NOAA. Anchorage, Alaska, USA.

Literature Cited

- Hall, E.S. Jr., and R. McKennan. 1973. Archaeological survey of the Old John Lake area, Northern Alaska. *Polar Notes* 13: 1-31.
- Hamilton, T.D. 1994. Late Cenozoic glaciation of Alaska. Pages 813-844 *in* G. Plafker, and H. C. Berg, editors. *The geology of Alaska. Volume G-1, The Geology of North America.* The Geological Society of America, Boulder, Colorado, USA.
- Hamilton, T.D., and S.C. Porter. 1975. Itkillik glaciation in the Brooks Range, northern Alaska. *Quaternary Research* 5:471-497.
- Hammit, W.E., and D.N. Cole. 1998. *Wildland recreation: ecology and management.* Second edition. John Wiley and Sons, New York, New York, USA.
- Harle, M.L. 1994. Water resources threats analysis. Unpublished report. U.S. Department of the Interior, Fish and Wildlife Service, Water Resources Branch, Anchorage, Alaska, USA.
- Harper, K.C., F. Harris, S.J. Miller, and D. Orabutt. 2009. Migration timing and seasonal distribution of broad whitefish, humpback whitefish, and least cisco from Whitefish Lake and the Kuskokwim River, Alaska, 2004 and 2005. U.S. Fish and Wildlife Service, Kenai Fish and Wildlife Field Office, Alaska Fisheries Technical Report No. 105. Kenai, Alaska, USA.
- Harper, P. (ed.). 2007. Caribou Management Report of Survey-Inventory Activities 1 July 2004 – 30 June 2006. Alaska Department of Fish and Game, Juneau, Alaska, USA.
- Harrington, B.A., S.C. Brown, J. Corven, and J. Bart. 2002. Collaborative approaches to the evolution of migration and the development of science-based conservation in shorebirds. *Auk* 119:914–921.
- Hayes, S.J., F.J. Bue, B.M. Borba, K.R. Boeck, H.C. Carroll, L. Boeck, E.J. Newland, K.J. Clark, and W.H. Busher. 2008. Annual management report Yukon and northern areas 2002-2004. Alaska Department of Fish and Game, Fishery management Report Number 08-36, Anchorage, Alaska, USA.
- Haymes, G.T., and Kolenosky, D.P. 1984. Distribution and characteristics of spawning round whitefish in Lake Ontario, 1976-1981. Ontario Fisheries Technical Report 14: ii + 9 pp.
- HDR. 2011. Point Thomson Project Environmental Report. Prepared by HDR for ExxonMobil, Anchorage, Alaska, USA.
- Healey, M.C. 1991. Life history of Chinook salmon (*Oncorhynchus tshawytscha*). Pages 311-3394 *in* C. Groot and L.Margolis editors. *Pacific Salmon Life Histories.* UBC Press, Vancouver, British Columbia, Canada.
- Hinzman, L.D., N.D. Bettez, W.R. Bolton, F.S. Chapin, M.B. Dyurgerov, C.L. Fastie, B. Griffith, R.D. Hollister, A. Hope, H.P. Huntington, A.M. Jensen, G.J. Jia, T. Jorgenson, D.L. Kane, D.R. Klein, G. Kofinas, A.H. Lynch, A.H. Lloyd, A.D. Mcguire, F.E. Nelson, W.C. Oechel, T.E. Osterkamp, C.H. Racine, V.E. Romanovsky, R.S. Stone, D.A. Stow, M. Sturm, C.E. Tweedie, G.L. Vourlitis, M.D. Walker, D.A. Walker, P.J. Webber, J.M. Welker, K.S. Winker, and K. Yoshikawa. 2005. Evidence and implications of recent climate change in northern Alaska and other arctic regions. *Climatic Change* 72: 251–298.

- Hodges, J.I., J.G. King, B. Conant, and H.A. Hanson. 1996. Aerial surveys of waterbirds in Alaska 1957-1994: population trends and observer variability. National Biological Service, Information and Technical Report Number 4.
- Hoffmann, R.S. 1999. Alaska marmot *Marmota browerii*. Pages in 393-394 in Wilson, D.E. and S. Ruff (eds.) 1999. The Smithsonian Book of North American Mammals. Smithsonian Institution Press. Washington, D.C., USA.
- Hollenhorst, S., C.D. Jones. 2001. Wilderness Solitude: Beyond the social-spatial perspective. U.S. Department of Agriculture. Forest Service Proceedings RMRS-P-20: 56-61.
- Holmes, C.E. 2001. Tanana Valley Archaeology Circa 14,000 to 9,000 B.P. Arctic Anthropology 38(2): 154-170.
- Homer, C., C. Huang, L. Yang, B. Wylie, and M. Coan. 2004. Development of a 2001 National Land-Cover Database for the United States. Photogrammetric Engineering & Remote Sensing 70(7): 829-840.
- Hop, H., H.E. Welch, and R.E. Crawford. 1997. Population structure and feeding ecology of Arctic cod schools in the Canadian high Arctic. American Fisheries Society Symposium. 19:68-80.
- Horne-Brine, M.M., J. Bales, and L. DuBois. 2009. Salmon age and sex composition and mean lengths for the Yukon River Area, 2007. Alaska Department of Fish and Game, Fishery Data Series No. 09-26, Anchorage.
- Howland, K.L., W.M. Tonn, J.A. Babaluk, and R.F. Tallman. 2001. Identification of freshwater and anadromous inconnu in the Mackenzie River system by analysis of otolith strontium. Transactions of the American Fisheries Society 130: 725-741.
- Hu, F.S., P.E. Higuera, J.E. Walsh, W.E. Chapman, P. Duffy, L.B. Brubaker, and M.L. Chipman. 2010. Tundra burning in Alaska: linkages to climatic change and sea ice retreat. Journal of Geophysical Research and Biogeosciences. 115, G04002, doi:10.1029/2009JG001270.
- Hunter, C.M., H. Caswell, M.C. Runge, E.V. Regehr, S.C. Amstrup, and I. Stirling. 2007. Polar bears in the Southern Beaufort Sea II: Demography and population growth in relation to sea ice conditions. U.S. Geological Survey, Alaska Science Center, Administrative Report. 46 pp.
- Hupp, J.W., D.G. Robertson and A.W. Brackney. 2002. Size and distribution of snow goose populations. Pages 71-74 in D.C. Douglas, P.E. Reynolds and E.B. Rhode, editors. Arctic Refuge coastal plain terrestrial wildlife research summaries. U.S. Geological Survey, Biological Resources Division, Biological Science Report USGS/BRD/BSR-2002-0001.
- Imm, T.A., J.T. Dillon, and A.A. Bakke. 1993. Generalized geological map of the arctic national wildlife refuge, northeastern Brooks Range, Alaska. 1,000,000:1.
- Inouye, D.W., B. Barr, K.B. Armitage, and B.D. Inouye. 2000. Climate change is affecting altitudinal migrants and hibernating species. Proceedings of the National Academy of Sciences of the United States of America. 97(4), p.1630- 1633.

Literature Cited

- Institute of Social and Economic Research. 1978. Yukon-Porcupine regional planning study. U. S. Department of Agriculture, Forest Service, and University of Alaska, Fairbanks, Alaska. USA.
- Interagency Wild and Scenic Rivers Council. 2010. Newly designated wild and scenic river: Interim management and steps to develop a comprehensive river management plan. March 31, 2010.
- Intergovernmental Panel on Climate Change [IPCC]. 2001. Technical Summary. Pages 22-79 *in* Climate Change 2001: The Scientific Basis: Contribution of Working Group I to the Third Assessment Report of the Intergovernmental Panel on Climate Change. J.T. Houghton, Y. Ding, D.J. Griggs, M. Noguer, P.J. van der Linden, X. Dai, K. Maskell, and C.A. Johnson, editors. Cambridge University Press, Cambridge, United Kingdom and New York, New York, USA.
- Intergovernmental Panel on Climate Change [IPCC]. 2007a. Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change. S. Solomon, D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Avery, M. Tignor and H.L. Miller, editors. Cambridge University Press. Cambridge, United Kingdom and New York, New York, USA.
- Intergovernmental Panel on Climate Change [IPCC]. 2007b. Summary for Policymakers. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change. S. Solomon, D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Avery, M. Tignor and H.L. Miller, editors. Cambridge University Press. Cambridge, United Kingdom and New York, New York, USA.
- Intergovernmental Panel on Climate Change [IPCC]. 2007c. Climate Change 2007: Synthesis Report. Contribution of Working Groups I, II and III to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change. Core Writing Team, R.K. Pachauri, and A. Reisinger, editors. Intergovernmental Panel on Climate Change, Geneva, Switzerland.
- International Wader Study Group. 2003. Waders are declining worldwide: conclusions from the 2003 international wader study group conference, Cadiz, Spain. Wader Study Group Bulletin 101/102:8-12.
- Irvine, J.R., E. Linn, K. Gillespie, C. McLeod, and J.D. Reist. 2009a. Pacific salmon in Canada's Arctic draining rivers, with emphasis on those in British Columbia and the Yukon. Pacific Fisheries Resource Conservation Council. Vancouver, British Columbia, Canada.
- Irvine, J.R., R.W. Macdonald, R.J. Brown, L. Godbout, J.D. Reist, and E.C. Carmack. 2009b. Salmon in the Arctic and how they avoid lethal low temperatures. North Pacific Anadromous Fish Commission Bulletin. 5:39-50.
- Jacobson, M.J., and C. Wentworth. 1982. Kaktovik Subsistence: Land use values through time in the Arctic National Wildlife Refuge Area. U.S. Fish and Wildlife Service, Northern Alaska Ecological Service, Fairbanks, Alaska, USA.
- Jarvela, L.E., and L.K. Thorsteinson. 1997. Movements and temperature occupancy of sonically tracked Dolly Varden and Arctic ciscoes in Camden Bay, Alaska. American Fisheries Society Symposium. 19:165-174.

- Jarvela, L.E., and L.K. Thorsteinson. 1999. The epipelagic fish community of Beaufort Sea coastal waters, Alaska. *Arctic*. 52:80-94.
- Jenness, D. 1957. Dawn in Arctic Alaska. University of Minnesota Press, Minneapolis, USA.
- Jennings, G.B., K. Sundet, and A.E. Bingham. 2010. Estimates of participation, catch, and harvest in Alaska sport fisheries during 2008. Alaska Department of Fish and Game, Fishery Data Series No. 10-22, Anchorage.
- Johnson, L. 1980. The Arctic charr, *Salvelinus alpinus*. Pp. 19-98 in E.K. Balon, ed. Charrs: salmonid fishes of the genus *Salvelinus*. Dr. W. Junk. The Hague, Netherlands.
- Johnson, S.R. and D.R. Herter. 1989. The birds of the Beaufort Sea. BP Exploration (Alaska) Inc., Anchorage, Alaska, USA.
- Jones, B.M., C.A. Kolden, R. Jandt, J.T. Abatzoglou, F. Urban, and C.D. Arp. 2009. Fire behavior, weather, and burn severity of the 2007 Anaktuvuk River tundra fire, North Slope, Alaska. *Arctic, Antarctic, and Alpine Research*. 41:309-316.
- Jorgenson, J.C., and C. Buchholtz. 2003. Eighteen years of vegetation monitoring in the Arctic National Wildlife Refuge, Alaska. Unpublished abstract in Study of Environmental Arctic Change (SEARCH) Open Science Meeting. <http://siempre.arcus.org/4DACTION/wi_pos_displayAbstract/7/600>. Accessed April 2009.
- Jorgenson, J.C., J.M. Ver Hoef, and M.T. Jorgenson. 2010. Long-term recovery patterns of arctic tundra after winter seismic exploration. *Ecological Applications* 20(1): 205–221.
- Jorgenson, J.C., P.E. Joria, D.C. Douglas, and T.R. McCabe. 1994. Land cover map of the coastal plain of the Arctic N.W.R., scale 1:500,000. U.S. Fish & Wildlife Service, Anchorage, Alaska, USA.
- Jorgenson, M.T., and J. Brown. 2005. Classification of the Alaskan Beaufort Sea coast and estimation of carbon and sediment inputs from coastal erosion. *Geo-Marine Letters* 25:69-80.
- Jorgenson, M.T., and Y. Shur. 2007. Evolution of lakes and basins in northern Alaska and discussion of the thaw lake cycle. *Journal of Geophysical Research* 112:F02S17.
- Jorgenson, M.T., Y.L. Shur, and E.R. Pullman. 2006. Abrupt increase in permafrost degradation in Arctic Alaska. *Geophysical Research Letters* 23:Lo2503.
- Jorgenson, T., K. Yoshikawa, M. Kanevskiy, Y. Shur, V. Romanovsky, S. Marchenko, G. Grosse, J. Brown, and B. Jones. 2008. Permafrost Characteristics of Alaska. Digital Map, University of Alaska Fairbanks, Institute of Northern Engineering, Fairbanks, Alaska, USA.
- Juday, G.P., R.A. Ott, D.W. Valentine, and V.A. Barber. 1998. Forests, climate stress, insects, and fire. Pages 23-49 in G. Weller and P. Anderson, editors. Implications of global change in Alaska and the Bering Sea region. Center for Global Change and Arctic System Research, University of Alaska Fairbanks, Fairbanks, Alaska, USA.
- Kaktovik Polar Bear Committee, Native Village of Kaktovik, City of Kaktovik, Kaktovik Inupiat Corporation, North Slope Borough, U.S. Fish and Wildlife Service. 2010. Kaktovik guidelines for community visitors and for viewing polar bears. Arctic Refuge, Fairbanks, Alaska, USA.

Literature Cited

- Kasischke, E.S., and R.R. Turetsky. 2006. Recent changes in the fire regime across the North American boreal region – spatial and temporal patterns of burning across Canada and Alaska. *Geophysical Research Letters* 33, L09703, pp. 1-5.
- Kaye, R. 2006. *Last Great Wilderness: The campaign to establish the arctic national wildlife refuge*. University of Alaska Press, Fairbanks, Alaska, USA.
- Kaye, R. W. 2005. *The campaign to establish a last great wilderness: the Arctic National Wildlife Range*. Dissertation. University of Alaska, Fairbanks, Alaska. Pages 211-216.
- Kelsall, J.P. 1972. The northern limits of moose (*Alces alces*) in western Canada. *Journal of Mammalogy*. 53:129-138.
- Kendall, S.J. 2005. Surveys of breeding birds on barrier islands in the Arctic National Wildlife Refuge, 2003-2004. Unpublished Report, U.S. Fish and Wildlife Service, Arctic National Wildlife Refuge, Fairbanks, Alaska, USA.
- Kendall, S.J. 2006. Distribution and abundance of snow geese on the coastal plain of the Arctic National Wildlife Refuge, Alaska. 2003-2004. Unpublished Report, U.S. Fish and Wildlife Service, Arctic National Wildlife Refuge, Fairbanks, Alaska, USA.
- Kendall, S.J. 2007. Smith's longspur ecology: pilot studies in the Arctic National Wildlife Refuge, June 2006. Unpublished Report, U.S. Fish and Wildlife Service, Arctic National Wildlife Refuge, Fairbanks, Alaska, USA.
- Kendall, S.J., C. Villa, and J. Liebezeit. 2007. Nest ecology for tundra-nesting birds at the Canning River Delta, Arctic National Wildlife Refuge, Alaska, June- July, 2006. Unpublished Report, U.S. Fish and Wildlife Service, Arctic National Wildlife Refuge, Fairbanks, Alaska, USA.
- Keyser, A.R., J.S. Kimball, R.R. Nemani, and S.W. Running. 2000. Simulating the effects of climate change on the carbon balance of North American high-latitude forests. *Global Change Biology* 6 (Supplement 1): 185-195.
- Kowalik, A. 1984. Storm surges in the Beaufort and Chukchi seas. *Journal of Geophysical Research* 89:10570-10578.
- Krauss, M.E., and V.K. Golla. 1981. Northern Athapaskan languages. Pages 67-85 in J. Helm, editor. *Handbook of North American Indians: subarctic*. Volume 6. Smithsonian Institution, Washington, D.C., USA.
- Kristofferson, A., D. Wiswar, P. Lemieux, D. Marshall, A. Blouw, C. Hemming, G. Antoniuk, and W. Archie. 1991. Joint Canada-USA field survey of the charr (*Salvelinus sp.*) resources of the Firth River, Yukon Territory and Alaska, September, 1989. Canadian Data Report of Fisheries and Aquatic Sciences Number 861, Winnipeg, Manitoba, Canada.
- Krueger, C.C., R.L. Wilmot, and R.J. Everett. 1999. Stock origins of Dolly Varden collected from Beaufort Sea coastal sites of Arctic Alaska and Canada. *Transactions of the American Fisheries Society*. 128:49-57.
- Kunz, M.L. 1977. Mosquito Lake (PSM-049). Pages 747-982 in J. P. Cook, editor. *Pipeline Archaeology*, Arctic Institute of Biology, University of Alaska, Fairbanks, USA.
- Kunz, M.L., and R.E. Reanier. 1994. Paleo-Indians in Beringia: Evidence from Arctic Alaska. *Science* 263: 660-662.

- Kunz, M.L., P.E. Matheus, and D.H. Mann. 2000. Environmental Determinism and Paleoindians in Arctic Alaska. Paper presented at the 59th Annual Meeting of the Plains Anthropological Conference. Plains Anthropological Society, 31 October – 3 November, 2001, Lincoln, Nebraska, USA.
- Kunz, M.L. 1982. The Mesa Site: An early Holocene hunting stand in the Iteriak Valley, Northern Alaska. *Anthropological Papers of the University of Alaska* 20(1-2): 113-122.
- Kunz, M.L. 2006. The Denbigh Flint Complex at Etivlik Lake, Alaska. *Alaska Journal of Anthropology* 3(2): 101-115.
- Kunz, M.L. and R.E. Reanier. 1995. The Mesa Site: A Paleo-Indian hunting lookout in Arctic Alaska. *Arctic Anthropology* 32(1): 5-30.
- Kunz, M.L., M.R. Bever, and C. Adkins. 2003. The Mesa Site: Paleoindians above the Arctic Circle. Bureau of Land Management-Alaska Open File Report, No. 86, Anchorage, Alaska, USA.
- Kushlan, J.A., M.J. Steinkamp, K.C. Parsons, J. Capp, M.A. Cruz, M. Coulter, I. Davidson, L. Dickson, N. Edelson, R. Elliot, R.M. Erwin, S. Hatch, S. Kress, R. Milko, S. Miller, K. Mills, R. Paul, R. Phillips, J.E. Saliva, B. Sydeman, J. Trapp, J. Wheeler, and K. Wohl. 2002. Waterbird conservation for the Americas: the North American waterbird conservation plan, Version 1. Waterbird Conservation for the Americas. Washington, D.C., USA.
- Kutz, S.J., E.P. Hoberg, J. Nagy, L. Polley, and B. Elkins. 2004. Emerging parasitic infections in arctic ungulates. *Integrative and Comparative Biology*. 44:109-118.
- Lachenbruch A.H. 1962. Mechanics of thermal contraction cracks and ice wedge polygons in permafrost. Geological Society of America, Special Paper 70.
- Landres, P. December 2004. Developing indicators to monitor the “outstanding opportunities” quality of wilderness character. *International Journal of Wilderness*: 10 (3): 8–20.
- Landres, P., C. Barns, J.G. Dennis, T. Devine, P. Geissler, C.S. McCasland, L. Merigliano, J. Seastrand, R. Swain. 2008. Keeping it wild: an interagency strategy to monitor trends in wilderness character across the National Wilderness Preservation System. General Technical Report RMRS-GTR-212. U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. Fort Collins, Colorado, USA.
- Larned, W.W., R. Stehn, and R. Platte. 2009. Waterfowl breeding population survey Arctic Coastal Plain, Alaska. 2008. Unpublished Report, U.S. Fish and Wildlife Service. Anchorage, Alaska, USA.
- Larsen, H. and F. Rainey. 1948. Ipiutak and the Arctic Whale Hunting Culture. *Anthropological Papers of the American Museum of Natural History* 42.
- Le Blanc, R. 1984. The Rat Indian Creek site and the late prehistoric period in the interior northern Yukon. *Archaeological Survey of Canada paper no. 120*, National Museum of Man, Ottawa, Ontario, Canada.
- Lenart, E.A. 2007a. Units 25A, 25B, 25D and 26C caribou. Pages 232-248 *in* P. Harper, editor. Caribou management report of survey and inventory activities 1 July 2004-30 June 2006. Alaska Department of Fish and Game. Project 3.0. Juneau, Alaska, USA (Porcupine herd).

Literature Cited

- Lenart, E.A. 2007b. Units 26B and 26C caribou. Pages 284-308 *in* P. Harper, editor. Caribou management report of survey and inventory activities 1 July 2004-30 June 2006. Alaska Department of Fish and Game. Project 3.0. Juneau, Alaska, USA (Central Arctic herd).
- Lenart, E.A. 2007c. Units 26B and 26C muskox. Pages 49-69 *in* P. Harper, editor. Muskox management report of survey and inventory activities. 1 July 2004-30 June 2006. Alaska Department of fish and Game. Project 16.0. Juneau, Alaska, USA.
- Lenart, E.A. 2007d. Units 25A, 25B, 25D and 26C brown bear. Pages 300-323 *in* P. Harper, editor. Brown bear management report of survey and inventory activities 1 July 2004-30 June 2006. Alaska Department of Fish and Game. Project 4.0. Juneau, Alaska, USA.
- Lenart, E.A. 2008. Units 26B and 26C moose. Pages 668-687 *in* P. Harper, editor. Moose management report of survey and inventory activities 1 July 2005-30 June 2007. Alaska Department of Fish and Game. Project 1.0. Juneau, Alaska, USA.
- Lenart, E.A., R.T. Bowyer, J. Ver Hoef and R.W. Ruess. 2002. Climate change and caribou: effects of summer weather on forage. *Canadian Journal of Zoology*. 80: 664-678.
- Lentfer, J.W., R.J. Hensel, J.R. Gilbert, and F.E. Sorensen. 1980. Population characteristics of Alaskan polar bears. *International Conference on Bear Research and Management* 3: 109-115.
- Leung, Y.F., T. Newburger, M. Jones, B. Kuhn, and B. Woiderski. 2011. Developing a monitoring protocol for visitor-created informal trails in Yosemite National Park, USA. *Environmental Management* 47: 93-106.
- Leung, Y.F., and J.L. Marion. 1999. Spatial strategies for managing visitor impacts in National Parks. *Journal of Park and Recreation Administration* 17(4): 20-38.
- Liebezeit, J.R., S.J. Kendall, S. Brown, C.B. Johnson, P. Martin, T.L. McDonald, D.C. Payer, C.L. Rea, B. Streever, A.M. Wildman, and S. Zack. 2009. Influence of human development and predators on nest survival of tundra birds, Arctic Coastal Plain, Alaska. *Ecological Applications* 19: 1628-1644.
- Lindqvist, C., S.C. Schuster, Y. Sun, S.L. Talbot, J. Qi, A. Ratan, L.P. Tomsho, L. Kasson, E. Zeyl, J. Aars, W. Miller, O. Ingolfsson, L. Bachmann, Ø Wiig. 2010. Complete mitochondrial genome of a Pleistocene jawbone unveils the origin of polar bear. *Proceedings of the National Academy of Sciences* 107 (11) 5053-5057.
- Lobdell, J.E. 1985. The Putuligayuk River Delta Overlook Site: fragile traces of early man at Prudhoe Bay, Beaufort Sea, Alaska. Alaska Environmental Conservation Department, ARCO Alaska, Anchorage, Alaska, USA.
- Lobdell, J.E. 1986. The Kuparuk Pingo Site: A Northern Archaic Hunting Camp of the Arctic Coastal Plain, North Alaska. *Arctic* 39(1): 47-51.
- Lobdell, J.E. 1995. North Alaskan Pingos: Ephemeral Refugia in Prehistory. *Arctic Anthropology* 32(1): 62-81.
- Lowry, L.F., and K. Frost. 1981. Distribution, growth and foods of Arctic cod (*Boreogadus saida*) in the Bering, Chukchi and Beaufort Seas. *Canadian Field Naturalist*. 95:186-191.

- Loya, W.M., B.J. O'Brien, A.L. Springsteen, W. Chapman, J. Walsh, and S. Rupp. 2009. Climate change scenarios and implications for Arctic National Wildlife Refuge in Alaska. The Wilderness Society, Anchorage, Alaska, USA.
- Lyons, S.M., and J.M. Trawicki 1994. Water resource inventory and assessment, coastal plain, Arctic National Wildlife Refuge: 1987-1992 Final Report. U.S. Fish and Wildlife Service, Water Resource Branch Anchorage, AK. WRB 94-3.
- Lysne L.A, E.J. Mallek, and C.P. Dau. 2004. Near shore surveys of Alaska's Arctic Coast, 1999-2003. Unpublished Report, U.S. Fish and Wildlife Service, Fairbanks, Alaska, USA.
- MacDonald, S.O. and J.A. Cook. 2009. Recent mammals of Alaska. University of Alaska Press, Fairbanks, Alaska.
- McDonald, L.L. and H.B. Harvey. 1990. Design of procedures for estimation of the size of Dall sheep populations in the Arctic National Wildlife Refuge. Technical Report, Department of Statistics and Zoology, University of Wyoming, Laramie. 32 pp.
- MacFarlane, A.K. 2003. Vegetation response to seismic lines: Edge effects and on-line succession. Thesis, University of Alberta. Edmonton, Alberta, Canada.
- Magoun, A.J. 1985. Population characteristics, ecology, and management of wolverine in northwestern Alaska. Dissertation, University of Alaska, Fairbanks, Alaska, USA.
- Magoun, A.J., and M.A. Robus. 1977. A preliminary investigation of critical habitat types for birds on the Arctic Coastal Plain, Arctic National Wildlife Range, 1977. Unpublished Report, U.S. Fish and Wildlife Service, Fairbanks, Alaska, USA.
- Mallek, E.J., R. Platte, and R. Stehn. 2002. Aerial breeding pair surveys of the Arctic Coastal Plain of Alaska – 2001. Unpublished Report, U.S. Fish and Wildlife Service, Fairbanks, Alaska, USA.
- Malmström, C.M., and K.F. Raffa. 2000. Biotic disturbance agents in the boreal forest ecosystems of North America. *Annual Review of Entomology* 43:107-127.
- Mann, G.J., and P.J. McCart. 1981. Comparison of sympatric dwarf and normal populations of least cisco (*Coregonus sardinella*) inhabiting Trout Lake, Yukon Territory. *Canadian Journal of Fisheries and Aquatic Sciences* 38: 240-244.
- Mann, M.E., R.S. Bradley, and M.K. Hughes. 1999. Northern hemisphere temperatures during the past millennium: inferences, uncertainties, and limitations. *Geophysical Research Letters* 26(6):759–762.
- Marine Mammals Management. 2009. Polar bear harvest management in Alaska. United States Fish and Wildlife Service, Marine Mammals Management, Anchorage, Alaska, USA.
- Marion, J.L. 2009. Atigun Gorge recreation ecology seminar. Digital recording of Proceedings of a U.S. Fish and Wildlife Service Arctic Refuge meeting, 23 July 2009, Arctic Refuge, Fairbanks, Alaska, USA.
- Martin, P.D., and C.S. Moitoret. 1981. Bird populations and habitat use, Canning River Delta, Alaska. Unpublished Report, USDI Fish and Wildlife Service, Arctic National Wildlife Refuge, Fairbanks, Alaska, USA.

Literature Cited

- Martin, P.D., J.L. Jenkins, F.J. Adams, M.T. Jorgenson, A.C. Matz, D.C. Payer, P.E. Reynolds, A.C. Tidwell, and J.R. Zelenak. 2009. Wildlife Response to Environmental Arctic Change: Predicting Future Habitats of Arctic Alaska. Report from the Wildlife Response to Environmental Arctic Change (WildREACH): Predicting Future Habitats of Arctic Alaska Workshop. U.S. Fish and Wildlife Service, 17-18 November 2008, Fairbanks, Alaska, USA.
- Mason, O.K. 1998. The Contest between the Ipiutak, Old Bering Sea, and Birnirk Polities and the Origin of Whaling during the First Millennium A.D. along Bering Strait. *Journal of Anthropological Archaeology* 17(3): 240-325.
- Mattson, W.J. and R.A. Hack. 1987. The role of drought in outbreaks of plant-eating insects. *Bioscience* 37:110-118.
- Mauer, F.J. 1985a. Distribution and relative abundance of golden eagles in relation to the Porcupine caribou herd during calving and post-calving periods, 1984. Pages 114-144 in G.W. Garner and P.E. Reynolds, editors. 1984 update report baseline study of the fish, wildlife and their habitats. U.S. Fish and Wildlife Service, Anchorage, Alaska, USA.
- Mauer, F.J. 1985b. Distribution and abundance of wolverines in the northern portion of the Arctic National Wildlife Refuge. Pages 501-514 in G.W. Garner and P.E. Reynolds, editors. 1984 update report baseline study of the fish, wildlife and their habitats. US Fish and Wildlife Service, Anchorage, Alaska. 777pp.
- Mauer, F.J. 1987. Distribution and relative abundance of golden eagles in relation to the Porcupine caribou herd during calving and post-calving periods, 1985. Pages 1393-409 in G.W. Garner and P.E. Reynolds, editors. 1985 update report baseline study of the fish, wildlife and their habitats. U.S. Fish and Wildlife Service, Anchorage, Alaska, USA.
- Mauer, F.J. 1990. Dall's sheep investigations in the Chandalar River drainage of the Arctic National Wildlife Refuge, 1990. ANWR progress report No. FY90-03. Unpublished report, Arctic National Wildlife Refuge, Fairbanks, Alaska. 14 pp.
- Mauer, F.J. 1998. Moose migration: Northeastern Alaska to northwestern Yukon Territory, Canada. *Alces* 34:75-81.
- McCart, P.J. 1980. A Review of the systematic and ecology of Arctic char, *Salvelinus alpinus*, in the western Arctic. Canadian Technical Report of Fisheries and Aquatic Sciences. No. 935: 89 p.
- McCart, P., P. Craig, and H. Bain. 1972. Report on fisheries investigations in the Sagavanirktok River and neighboring drainages. Alyeska Pipeline Service Company, 170 pp.
- McGuire, A.D., L.G. Anderson, T.R. Christensen, S. Dallimore, L. Guo, D.J. Hayes, M. Heimann, T.D. Lorenson, R.W. Macdonald, and N. Roulet. 2009. Sensitivity of the carbon cycle in the arctic to climate change. *Ecological Monographs* 79:523-555.
- McIntyre, C.L., D.C. Douglas, and M.W. Collopy. 2008. Movements of golden eagles (*Aquila chrysaetos*) from interior Alaska during their first year of independence. *Auk* 125(1):214-224.

- McKendrick, J.D. 2000. Vegetative responses to disturbance. Pages 35-66 in *The Natural History of an Arctic Oil Field*. J.C. Truett and S.R. Johnson, editors. Academic Press, New York, New York, USA.
- McKenna, R.A. 1965. The Chandalar Kutchin. Arctic Institute of North America Technical Paper No. 17., Montreal, Quebec, Canada.
- McLeod, C.L., and J.P. O'Neil. 1983. Major range extension of anadromous salmonids and first record of Chinook salmon in the Mackenzie River drainage. *Canadian Journal of Zoology* 61: 2183-2184.
- McPhail, J.D., and C.C. Lindsey. 1970. *Freshwater Fishes of Northern Canada and Alaska*. Fisheries Research Board of Canada Bulletin 173: 381 pp.
- Mech, L.D. 2002. Gray wolf *Canis lupus*. Pages 141-143 in Wilson, D.E. and S. Ruff (eds.) 1999. *The Smithsonian Book of North American Mammals*. Smithsonian Institution Press. Washington. 750 pp.
- Meehan, R.H. 1986. Impact of oilfield development on shorebirds, Prudhoe Bay, Alaska. Dissertation, University of Colorado, Boulder, Colorado, USA.
- Melegari, J.L., and B.M. Osborne. 2007. Enumeration of fall chum salmon using split-beam sonar in the Chandalar River, Yukon Flats National Wildlife Refuge, Alaska, 2002-2006. U.S. Fish and Wildlife Service. Alaska Fisheries Data Series Number 2007-3. 36p.
- Merritt, J.F. 2010. *Biology of Small Mammals*. Baltimore, Maryland: J. Hopkins University Press: Meyer, D.F., H.R. Best, R.H. Host, R.P. Murray, and G.L. Solin. 2005. Water resources data, Alaska water year 2004. U.S. Geological Survey Water-Data Report AK-04-, U.S. Geological Survey.
- Miller, S. 2010. Kaktovik trip report. Unpublished report. U.S. Fish and Wildlife Service, Marine Mammals Management, Anchorage, Alaska, USA.
- Miller, S.D., G.C. White, R.W. Sellers, H.V. Reynolds, J.W. Schoen, K. Titus, V.G. Barnes, Jr., R.B. Smith, R.R. Nelson, W.B. Ballard, and C.C. Schwartz. 1997. Brown and black bear density estimation in Alaska using radiotelemetry and replicated mark-resight techniques. *Wildlife Monographs* 133, 1-55.
- Minerals Management Service. 2003. Beaufort Sea planning area: Oil and gas lease sales 186, 195, and 202. Final Environmental Impact Statement. Minerals Management Service 2003-001, Anchorage, Alaska, USA.
- Minerals Management Service [MMS]. 2008. Beaufort Sea and Chukchi Sea Planning Areas: Oil and Gas Lease Sales 209, 212, 217 and 221 Draft Environmental Impact Statement, Volume 4. USDOJ, MMS, Alaska OCS Region, Anchorage, Alaska, USA.
- Mobley, C. 1982. Archaeological excavations at Marten Hill gravel source and Chalkyitsik Slough gravel source, Chalkyitsik, Alaska. Report prepared by Alaskarctic for the State of Alaska, Department of Transportation and Public Facilities, Fairbanks, Alaska, USA.
- Monz C., J.L. Marion, and J.J. Reed. 2009. Project statement of work: an assessment of the extent and condition of informal trails in the Atigun Gorge area of the Arctic Refuge. Arctic Refuge, Fairbanks, Alaska, USA.

Literature Cited

- Moodie, D.W., A.J.W. Catchpole, and K. Abel. 1992. Northern Athapaskan oral traditions and the White River volcano. *Ethnohistory* 39: 148-171.
- Morack, J.L., and J.C. Rogers. 1981. Seismic evidence of shallow permafrost beneath islands in the Beaufort Sea, Alaska. *Arctic* 34:169-174.
- Morin, R., J.J. Dodson, and G. Power. 1982. Life history variations of anadromous cisco (*Coregonus artedii*), lake whitefish (*C. clupeaformis*), and round whitefish (*Prosopium cylindraceum*) populations of eastern James-Hudson Bay. *Canadian Journal of Fisheries and Aquatic Sciences* 39: 958-967.
- Morlan, R.E. 1973. A technological approach to lithic artifacts from Yukon Territory. Archaeological Survey of Canada, Mercury Series, Paper no. 7, National Museum of Man, Ottawa, Ontario, Canada.
- Morrison, M.L., B.G. Marcot, and R.W. Mannan. 2006a. *Wildlife-Habitat Relationships: Concepts and Applications*. Island Press, Washington, D.C., USA.
- Morrison, R.I.G., B.J. McCaffery, R.E. Gill, S.K. Skagen, S.L. Jones, G.W. Page, C.L. Gratto-Trevor, and B.A. Andres. 2006b. Population estimates of North American Shorebirds, 2006. *Wader Study Group Bulletin*. 111:67-85.
- Morrison, R.I.G., R.E. Gill, B.A. Harrington, S. Skagen, G.W. Page, C.L. Gratto-Tevor, and S.M. Haig. 2001. Estimates of shorebird populations in North America. Occasional Paper Number 104, Canadian Wildlife Service, Ottawa, Canada.
- Morrow, J.E. 1980. *The Freshwater Fishes of Alaska*. Alaska Northwest Publishing Co., Anchorage, Alaska, USA. 300 pp.
- Moskalenko, B.K. 1971. The whitefishes of Siberia. Pishchevaya Promyshlennost, Report SFWFR-TR-73-05, Moscow (translated from Russian in 1972 by R.M. Howland and G. Kavanagh, U.S. Department of the Interior, Division of Fishery Research, Washington, D.C., USA).
- Moulton, L.L., L.M. Philo, and J.C. George. 1997. Some reproductive characteristics of least ciscoes and humpback whitefish in Dease Inlet, Alaska. Page 119-126 in J. Reynolds, editor. *Fish ecology in Arctic North America*. American Fisheries Society 19, Bethesda, Maryland, USA.
- Moulton, L.L., and B.T. Seavey. 2005. Harvest estimate and associated information for the 2004 Colville River fall fishery. A report prepared by MJM Research for ConocoPhillips Alaska, Inc., Anchorage, Alaska, USA.
- Multi-resolution Land Characteristics Consortium. 2006. National Land Cover Database. U.S. Geological Survey, Sioux Falls, South Dakota, USA.
- Murdoch, J. 1892. Ethnological results of the Point Barrow expedition. Ninth Annual Report of the Bureau of American Ethnology. U.S. Government Printing Office, Washington, D.C., USA.
- Murie, M.E. 1979. *Two in the far north*. Third Edition. Alaska Northwest Publishing, Anchorage, Alaska, USA. P. 275.
- Murie, O.J. 1956. Alaska with O.J. Murie. *Living Wilderness* 58: 28-30.
- Murie, O.J. 1958. Arctic wilderness. *Outdoor America*. January 1958: 10-11

- Murray, D. 1999. Snowshoe hare *Lepus americanus*. Page 695-696 in D.E. Wilson and S. Ruff, editors. 1999. The Smithsonian Book of North American Mammals. Smithsonian Institution Press. Washington, USA.
- Nadelhoffer, K.J., A.E. Giblin, G.R. Shaver, and E.E. Linkins. 1992. Microbial processes and plant nutrient availability in arctic soils. Pages 281-300 in F.S. Chapin III, R.L. Jefferies, J.F. Reynolds, G.R. Shaver, J. Svoboda, and E.W. Chu, editors. Arctic Ecosystems in a Changing Climate: An Ecophysiological Perspective. San Diego, California, USA.
- Naidu, A.S., and J.J. Kelly. 2002. Evolution of the coastal-lagoon-barrier island system of north arctic Alaska – A synthesis. Pages 35-36 in V. Rachold, J. Brown, and S. Solomon, technical coordinators. Arctic coastal dynamics: Report of an international workshop. Ber. Polarforsch. Meeresforsch.
- National Research Council. 2003. Cumulative environmental effects of oil and gas activities on Alaska's North Slope. National Academies Press, Washington, D.C., USA.
- Naves, L.C. 2010 revised [2009]. Alaska migratory bird subsistence harvest estimates, 2004-2007. Alaska Migratory Bird Co-Management Council. Alaska Department of Fish and Game Division of Subsistence, Technical Paper No. 349, Anchorage, Alaska, USA. <<http://alaska.fws.gov/ambcc/harvest.htm>>. Accessed April 2010.
- Nellemann, C., and P.E. Reynolds. 1997. Predicting late winter distribution of muskoxen using an index of terrain ruggedness. Arctic and Alpine Research. 29(3) 334-338.
- Nelson, R.K. 1973. Hunters of the northern forest. Aldine. Chicago, Illinois, USA.
- Noel, L. E., S.R. Johnson, and W.J. Gazey. 2006. Oilfield development and glaucous gull (*Larus hyperboreus*) distribution and abundance in Central Alaskan Beaufort Sea Lagoons, 1970 – 2001. Arctic 58: 65-78.
- Nolan, M., A. Arendt, B. Rabus, and L. Hinzman. 2005. Volume change of McCall glacier, arctic Alaska, USA, 1956-2003. Annals of Glaciology 42:409-416.
- Normandeau, D.A. 1969. Life history and ecology of the round whitefish *Prosopium cylindraceum* (Pallas), of Newfound Lake, Bristol, New Hampshire. Transactions of the American Fisheries Society 98: 7-13.
- Nowacki, G., P. Spencer, M.D. Fleming, T. Brock, and M.T. Jorgenson. 2001. Ecoregions of Alaska and neighboring territory. 2,500,000:1.
- Oates, R.M., A.W. Brackney, and M.A. Masteller. 1985. Distribution, Abundance, and Productivity of Fall Staging Lesser Snow Geese on Coastal Habitats of Northeast Alaska and Northwest Canada, 1984. Unpublished Report, U.S. Fish and Wildlife Service, Arctic National Wildlife Refuge, Fairbanks, Alaska, USA.
- Osterkamp, T.E. 2005. The recent warming of permafrost in Alaska. Global and Planetary Change 49(3-4):187-202.
- Osterkamp T.E. and J.C. Jorgenson. 2006. Warming of permafrost in the Arctic National Wildlife Refuge, Alaska. Permafrost and Periglacial Processes 17:65-69.
- Palmer, S.R. 1962. Handbook of North American Birds Vol. 1. Yale University Press, New Haven, Connecticut, USA.

Literature Cited

- Pamperin, N.J., E.H. Follmann, and B. Petersen. 2006. Interspecific killing of an arctic fox by a red fox at Prudhoe Bay, Alaska. *Arctic* 59(4): 361-364.
- Parson, E.A., L. Carter, P. Anderson, B. Wang, and G. Weller. 2000. Potential consequences of climate variability and change for Alaska. Pages 238-312 *in* National Assessment of the Potential Consequences of Climate Variability and Change. U.S. Global Change Research Program. Washington, D.C., USA.
- Patterson, M.E., A.E. Watson, D.R. Williams, and J.R. Roggenbuck. 1998. An hermeneutic approach to studying the nature of wilderness experience. *Journal of Leisure Research*, 29, 423-452.
- Payer, D.C. 2006. Dall's sheep survey in the Arctic Village sheep management area and vicinity, Arctic National Wildlife Refuge, 2006. Unpublished report. U.S. Fish and Wildlife Service, Fairbanks, Alaska. 7 p.
- Payer, D., and S. Kendall. 2005. Raptor survey of the Porcupine River, Alaska, 2005. Unpublished Report, U.S. Fish and Wildlife Service, Arctic National Wildlife Refuge, Fairbanks, Alaska, USA.
- Payette, S., M.J. Fortin, and I. Gamache. 2001. The subarctic forest-tundra: the structure of a biome in a changing climate. *Bioscience* 51:709-718.
- Pederson, S., and A. Linn. 2005. Kaktovik 2000-2002 subsistence fishery harvest assessment: final report for FIS study 01-101. U.S. Fish and Wildlife Service, Office of Subsistence Management, Fisheries Resource Management Program, Anchorage, Alaska, USA.
- Percy, R. 1975. Fishes of the outer Mackenzie Delta. Canadian Department of the Environment. Beaufort Sea Project. Technical Report 8. 114p.
- Percy, R., W. Eddy, and D. Munro. 1974. Anadromous and freshwater fishes of the outer Mackenzie Delta. Fisheries and Marine Service, Environment Canada. Interim Report of Beaufort Sea Project Study B2. 51p.
- Peterson, R.O. 1999. Moose *Alces alces*. Pages 334-336 *in* Wilson, D.E. and S. Ruff (eds.) 1999. The Smithsonian Book of North American Mammals. Smithsonian Institution Press. Washington, D.C., USA.
- Polar Bear Specialist Group. 2010. Population status reviews. <<http://pbsg.npolar.no/en/status>>. Accessed 27 Jan 2010.
- Pollard, D.D., and D.S. Segar. 1994. A description of the physical characteristics of nearshore and lagoonal waters in the eastern Beaufort Sea, 1990. Final Report for U.S. Department of Commerce, NOAA/NOS, Ocean Resources Conservation and Assessment and the U. S. Fish and Wildlife Service, Region 7, Fairbanks Fishery Resource Office, Environmental and Natural Resources Institute, University of Alaska Anchorage, Anchorage, Alaska, USA.
- Porcupine Caribou Management Board. 2010. Harvest Management Plan. <<http://www.tiaga.net/pcmb/harvest.html>>. Accessed 13 Jan 2011.
- Post, E., C. Pedersen, C.C. Wilmers, and M.C. Forchhammer. 2008. Warming, plant phenology and the spatial dimension of trophic mismatch for large herbivores. *Proceedings of the Royal Society*. doi:10.1098/rspb.2008.0463 Published online.

- PRISM Climate Group. 2008. Monthly Average Maximum/Minimum Temperatures for Alaska. Raster Data Set from Oregon State University. <<http://prism.oregonstate.edu>>. Accessed Oct 2010.
- Quinn, P.K., T.S. Bates, K. Schulz, and G.E. Shaw. 2009. Decadal trends in aerosol chemical composition at Barrow, Alaska: 1976-2008. *Atmospheric Chemistry and Physics* 9:8883-8888.
- Raat, A.J.P. 1988. Synopsis of biological data on the northern pike, *Esox lucius* Linnaeus, 1978. FAO Fisheries Synopses 30. 178p.
- Racine, C., R. Jandt, C. Meyers, and J. Dennis. 2004. Tundra fire and vegetation change along a hillslope on the Seward Peninsula, Alaska, USA. *Arctic, Antarctic, and Alpine Research* 36:1-10.
- Ramsar. 1999. Strategic framework and guidelines for the future development of the list of wetlands of international importance. Adopted by Conference of Contracting Parties 7, 1999. <http://www.ramsar.org/cda/en/ramsar-documents-guidelines-strategic-framework-and/main/ramsar/1-31-105%5E20823_4000_0_>. Accessed 1 March 2011.
- Rasic, J., and R. Gal. 2000. An Early Lithic Assemblage from the Tuluq Site, Northwest Alaska. *Current Research in the Pleistocene* 17: 66-68.
- Reanier, R.E. 1995. The antiquity of Paleoindian materials in Northern Alaska. *Arctic Anthropology* 32(1): 31-50.
- Reanier, R.E. 2003. Archaeological and cultural resources reconnaissance in the ConocoPhillips Alaska Exploration Area, National Petroleum Reserve, Alaska, for the Year 2002. Unpublished report. Reanier and Associates, Inc. for ConocoPhillips Alaska Inc.
- Reed, J.J., and M. St. Martin. 2009. Arctic Refuge: Atigun trail study preparation trip report. Unpublished report. Arctic Refuge, Fairbanks, Alaska, USA.
- Reed, M.W. 2000. Shore and sea boundaries. Volume Three: The Development of International Maritime Boundary Principles through United State Practice. U.S. Department of Commerce, National Oceanic and Atmospheric Administration, Washington, D.C., USA.
- Regehr, E.V., N.J. Lunn, S.C. Amstrup, and I. Stirling. 2007. Effects of earlier sea ice breakup on survival and population size of polar bears in western Hudson Bay. *Journal of Wildlife Management*. 71(8): 2673-2683.
- Regehr, E.V., S.C. Amstrup, and I. Stirling. 2006. Polar bear population status in the Southern Beaufort Sea. U.S. Geological Survey open-file report. 2006-1337.
- Reimnitz, E., and D.K. Maurer. 1979. Effects of storm surges on the Beaufort Sea coast, northern Alaska. *Arctic* 32(4): 329-344.
- Reimnitz, E., and K.F. Bruder. 1972. River discharge into an ice-covered ocean and related sediment dispersal, Beaufort Sea, coast of Alaska. *Geological Society of America Bulletin* 83:861-866.
- Reimnitz, E., and S.C. Wolf. 1998. Are north slope surface alluvial fans pre-Holocene relicts? U.S. Geological Survey Professional Paper 1605. U.S. Geological Survey. Reston, Virginia, USA.

Literature Cited

- Reimnitz, E., P.W. Barnes, and J.R. Harper. 1990. A review of beach nourishment from ice transport of shoreface materials, Beaufort Sea, Alaska. *Journal of Coastal Research* 6:439-470.
- Reist, J.D., and W.A. Bond. 1988. Life history characteristics of migratory coregonids of the lower Mackenzie River, Northwest Territories, Canada. *Finnish Fisheries Research* 9: 133-144.
- Reist, J.D., J.D. Johnson, and T.J. Carmichael. 1997. Variation and specific identity of char from Northwestern Arctic Canada and Alaska. *American Fisheries Society Symposium*. 19:250-261.
- Restani, M., J.M. Marzluff, and R.E. Yates. 2001. Effects of anthropogenic food sources on movements, survivorship, and sociality of common ravens in the Arctic. *Condor* 103:399-404.
- Reynolds, H. 1976. North slope grizzly bear studies. Alaska Department Fish and Game, Federal Aid in Wildlife Restoration Program Final Report. Project W-21-1. Juneau. 20 pp.
- Reynolds, H., and J.L. Hechtel. 1980. Big game investigations. Structure, status, reproductive biology, movements, distribution and habitat utilization of a grizzly bear population. Alaska Department Fish and Game Federal Aid in Wildlife Restoration Program Final Report. Project W-17-11. Juneau, Alaska, USA. 66 pp.
- Reynolds, H., and J.L. Hechtel. 1984. Structure, status, reproductive biology, movements, distribution and habitat utilization of a grizzly bear population. Alaska Department Fish and Game Federal Aid in Wildlife Restoration Program Final Report. Project W-21-1, W-21-2, W-22-1, W22-21. Juneau, Alaska, USA. 29 pp.
- Reynolds, H.V, J.A. Curatolo, and R. Quimby. 1976. Denning ecology of grizzly bears in northeastern Alaska. Pages 403-409 in M. Pelton, J. Lentfer, and E. Folk, editors. *Bears their biology and management*. International Union for Conservation of Nature Series 40.
- Reynolds, H.V., E.F. Becker, R.A. Strauch, and J.W. Burch. 2009. Application of a double count line transect method to estimate density of brown bears in arctic Alaska. U.S. Fish and Wildlife Service files, unpublished report. 9 pp.
- Reynolds, P.E. 1998a. Ecology of a reestablished population of muskoxen in northeastern Alaska. Dissertation. University of Alaska-Fairbanks. 105 pp.
- Reynolds, P.E. 1998b. Dynamics and range expansion of a re-established muskox population. *Journal of Wildlife Management* 62(2):734-744.
- Reynolds, P.E. 2001. Reproductive patterns of female muskoxen in northeastern Alaska. *Alces* 37:1-8.
- Reynolds, P.E. 2006. Muskoxen in the Arctic National Wildlife Refuge Game Management Unit 26C 2005-2006. Unpublished report. USFWS Arctic NWR. Fairbanks, Alaska 16 pp.
- Reynolds, P.E. 2010. 2010 precalving census of muskoxen in the Arctic National Wildlife Refuge, Unit 26C. Unpublished report. USFWS Arctic NWR, Fairbanks, Alaska, USA. 6 pp.

- Reynolds, P.E., H. V. Reynolds, and R. T. Shideler. 2006. Evaluation of grizzly bear diets over three decades using stable isotope analysis. Poster paper presented at the 17th International Association for Bear Research and Management, Nagato, Japan, Oct 2006 (abstract).
- Reynolds, P.E., H.V. Reynolds, and E.H. Follmann. 1986. Responses of grizzly bears to seismic surveys in northern Alaska. *International Conference on Bear Research and Management*. 6:169-175. Reynolds, P.E., H.V. Reynolds, and R. Shideler. 2002b. Predation and multiple kills of muskoxen by grizzly bears. *Ursus* 13: 79-84.
- Reynolds, P.E., H.V. Reynolds, and R.T. Shideler. 2010. Movements and denning chronology of male grizzly bears in northeastern Alaska. Paper presented at the 19th International Association for Bear Research and Management, Tbilisi, Georgia, May 16-22, 2010 (abstract).
- Reynolds, P.E., K.J. Wilson, D.R. Klein. 2002a. Pages 54-64 *in* D.C. Douglas, P.E. Reynolds and E.B. Rhode, editors. Arctic Refuge coastal plain terrestrial wildlife research summaries. U.S. Geological Survey, Biological Resources Division, Biological Science Report USGS/BRD/BSR-2002-0001.
- Reynolds, P.E., H.V. Reynolds, and R. Shideler. 2002b. Predation and multiple kills of muskoxen by grizzly bears. *Ursus* 13: 79-84.
- Reynolds, P.E., R.T. Bowyer, and D. R. Klein. 1999. Muskox *Ovibos moschatus* . Pages 346-347 *in* D.E. Wilson and S. Ruff (eds.). *The Smithsonian book of North American Mammals*, Smithsonian Institution Press, Washington, D.C., USA.
- Reynolds, P.E., R.T. Shideler and H.V. Reynolds. 2007. Activity and resource use of male grizzly bears in northern Alaska detected by Global Positioning System satellite telemetry. Paper presented at the 18th International Association for Bear Research and Management, Monterrey, Mexico, May 2007 (abstract).
- Rich, T.D., C.J. Beardmore, H. Berlanga, P.J. Blancher, M.S. W. Bradstreet, G.S. Butcher, D.W. Demarest, E.H. Dunn, W.C. Hunter, E.E. Inigo-Elias, J.A. Kennedy, A.M. Martell, A.O. Panjabi, D.N. Pashley, K.V. Rosenberg, C.M. Rustay, J.S. Wendt, and T.C. Will. 2004. Partners in flight North American landbird conservation plan. Cornell Lab of Ornithology, Ithaca, New York, USA.
- Rieger, S.D., D. Schoephorster, and C.E. Furbush. 1979. Exploratory soil survey of Alaska. U.S. Department of Agriculture, Soil Conservation Service.
- Riordan, B., D. Verbyla, and A.D. McGuire. 2006. Shrinking ponds in subarctic Alaska based on 1950-2002 remotely sensed images. *Journal of Geophysical Research* 111(G4).
- Ritchie, R., and J. Maguire. 2007. Raptor survey along the Porcupine Rive, U.S.-Canada border to Rock Slough, Alaska, 2007. Unpublished Report, Alaska Biological Research, Inc., Environmental Research & Services, Fairbanks, Alaska, USA.
- Robertson, D.G., A.W. Brackney, M.A. Spindler, and J.W. Hupp. 1997. Distribution of autumn-staging lesser snow geese on the northeast coastal plain of Alaska. *Journal of Field Ornithology*. 68(1):124-134.
- Rode, K.D., S.C. Amstrup, and E.V. Regehr. 2010. Reduced body size and cub recruitment in polar bears associated with sea ice decline. *Ecological applications*. 20(3). 768-782.

Literature Cited

- Rodrigues, J. 2008. The increase in the length of the ice-free season as further indication of the rapid decline of the Arctic sea ice. Abstract #C51A-0542 in American Geophysical Union, Fall Meeting, 15-19 December 2008, San Francisco, California, USA.
- Rogers, L.L. 1999. American black bear *Ursus americanus*. Pages 157-160 in D.E. Wilson and S. Ruff (eds.). The Smithsonian book of North American Mammals, Smithsonian Institution Press, Washington, D.C., USA.
- Roseneau, D.G. 1973. Caribou Fences in Northeastern Alaska. Appendix A in Proposal for archaeological salvage, pipeline corridor, Yukon and Northwest Territories. Archaeological supplement to the Biological report series, Renewable Resources Consulting Services, Canadian Arctic Gas Study Limited, Alaska Arctic Gas Study Company, Calgary, Alberta, Canada.
- Rost, P.J. 1986. Aerial surveys for summer and fall salmon in the upper Yukon River drainage, 1985. Fairbanks Fishery Resources Progress Report. FY86-9.
- Rupp, T.S., A.M. Starfield, and F.S. Chapin III. 2000a. A frame-based spatially explicit model of subarctic vegetation response to climatic change: Comparison with a point model. *Landscape Ecology* 15: 383-400.
- Rupp, T.S., F.S. Chapin III, and A.M. Starfield. 2000b. Response of subarctic vegetation to transient climatic change on the Seward Peninsula in northwest Alaska. *Global Change Biology* 6: 541-555.
- Rupp, T.S., A.M. Starfield, F.S. Chapin III, and P. Duffy. 2002. Modeling the impact of black spruce on the fire regime of Alaskan boreal forest. *Climatic Change* 55: 213-233.
- Russell, D., and A. Gunn. 2001. Wild reindeer and caribou. Pages 29-31. Arctic biodiversity trends 2010-selected indicators of change. T. Barry, T. Kurvits, B. Alftan, E. Mork, and H. Ahlenius editors. Conservation of Arctic Flora and Fauna, Akureyri, Iceland.
- Ruz, M-H., A. Hequette, and P.R. Hill. 1992. A model of coastal evolution in a transgressed thermokarst topography, Canadian Beaufort Sea. *Marine Geology* 106:252-278.
- Sage, B.L. 1976. The breeding distribution of Smith's longspurs in Alaska. *Condor* 78:116-117.
- Scenarios Network for Alaska Planning (SNAP). 2010. Alaska regional climate projections. <[http://www.snap.uaf.edu/downloads/factsheetsandshortdocuments0/Regional_Climate_Projections_Jan%2010\[1\].pdf](http://www.snap.uaf.edu/downloads/factsheetsandshortdocuments0/Regional_Climate_Projections_Jan%2010[1].pdf)>. Accessed 19 Oct 2010.
- Schoenberg, K.M. 1995. The Post-Paleoarctic Interval in the Central Brooks Range. *Arctic Anthropology* 32(1): 51-61.
- Scott, C.P. 1993. Continuity and change in the Wiseman area of Alaska: a look at land and renewable resource use over time. Thesis, University of Alaska at Fairbanks.
- Scott, W.B., and E.J. Crossman. 1973. Freshwater fishes of Canada. Fisheries Research Board of Canada Bulletin 184: 966 pp.
- Seidensticker, J. 1999. Red fox *Vulpes vulpes*. Pages 151-152 in Wilson, D.E. and S. Ruff (eds.) 1999. The Smithsonian Book of North American Mammals. Smithsonian Institution Press. Washington., D.C., USA.
- Seigle, J. 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's thesis. Oregon State University, Corvallis, Oregon, USA.

- Selas, V., B.S. Johnsen, and N.E. Eide. 2010. Arctic fox (*Vulpes lagopus*) den use in relation to altitude and human infrastructure. *Wildlife Biology*. 16(1):107-112.
- Shaw, G.E. 1982. Evidence for a central Eurasian source area of arctic haze in Alaska. *Nature* 299:815-818.
- Shepro, C.E., D.C. Maas, and D. Callaway. 2003. North Slope Borough 2003 Economic Profile and Census Report. Barrow, AK: North Slope Borough.
- Shestakov, A.V. 2001. Biology of the broad whitefish *Coregonus nasus* (Coregonidae) in the Anadyr basin. *Journal of Ichthyology* 4(9): 746-754.
- Shinkwin, A.D. 1977. Excavations at Point Hope, Alaska, 1975: a report to the National Park Service and the North Slope Borough. University of Alaska, Fairbanks, Alaska, USA.
- Shinkwin, A.D. 1979. Dakah De'Nin's Village and the Dixthada Site: A contribution to Northern Athapaskan prehistory. Archaeological Survey of Canada, Mercury Series, Paper no. 91, National Museum of Man, Ottawa, Ontario, Canada.
- Short, A.D. 1979. Barrier island development along the Alaskan-Yukon coastal plains: Summary. *Geological Society of America Bulletin* 90:3-5.
- Short, A.D., and W.J. Wiseman. 1975. Coastal breakup in the Alaskan arctic. *Geological Society of America Bulletin* 86:199-202.
- Shulski, M., and G. Wendler. 2007. *The Climate of Alaska*. University of Alaska Press, Fairbanks, Alaska, USA.
- Skagen, S.K., J. Bart, B. Andres, S. Brown, G. Donaldson, B. Harrington, V. Johnston, S. Jones, and R.I.G. Morrison. 2003. Monitoring shorebirds of North America: towards a unified approach. *Wader Study Bulletin* 100:102-104.
- Smith, M.W., and R.S. Glesne. 1983. Aquatic studies on the North Slope of the Arctic National Wildlife Refuge, 1981 and 1982. U.S. Fish and Wildlife Service, Alaska Fisheries Progress Report Number 83-01, Fairbanks, Alaska.
- Smith, T. 1979. Distribution and abundance of Dall Sheep in the Arctic National Wildlife Range. File report to the U.S. Fish and Wildlife Service. 12 pp.
- Snyder-Conn, E., and M. Lubinski. 1993. Contaminant and water quality baseline data for the Arctic National Wildlife Refuge, Alaska, 1988-1989. Volume 1-3. U.S. Fish and Wildlife Service, Fairbanks, Alaska, USA.
- Spencer, R.F. 1959. *The North Alaska Eskimo: A study in ecology and society*. Bureau of American Ethnology, Bulletin 171, Washington, D.C., USA.
- Spindler, M.A. 1982a. Distribution, abundance, and productivity of fall staging lesser snow geese on coastal habitats of northeast Alaska and northwest Canada, 1980 and 1981. Unpublished Report, U.S. Fish and Wildlife Service, Arctic National Wildlife Refuge, Fairbanks, Alaska, USA.
- Spindler, M.A. 1982b. Distribution, abundance, and productivity of fall staging lesser snow geese on coastal habitats of northeast Alaska and northwest Canada, 1982. Unpublished Report, U.S. Fish and Wildlife Service, Arctic National Wildlife Refuge, Fairbanks, Alaska, USA.

Literature Cited

- Spindler, M.A. 1983. Distribution, abundance, and productivity of fall staging lesser snow geese on coastal habitats of Northeast Alaska and Northwest Canada, 1983. Unpublished Report, U.S. Fish and Wildlife Service, Arctic National Wildlife Refuge, Fairbanks, Alaska, USA.
- Stanford, D. 1971. Evidence of Paleo-Eskimos on the North Coast of Alaska. Paper presented at the 36th annual meeting of the Society for American Archaeology, Norman.
- Stanford, D.J. 1976. The Walakpa Site, Alaska. Smithsonian Contributions to Anthropology, 20. Smithsonian Institution Press, Washington, D.C., USA.
- Steele, M., W. Ermold, and J. Zhang. 2008. Arctic Ocean surface warming trends over the past 100 years. *Geophysical Research Letters* 35(L02614).
- Stefansson, V. 1913. *My Life with the Eskimo*. Macmillan, New York, USA.
- Stegmann A.J., P.J. Fix, and T.L. Teel. 2008. Benefits based management study for the Dalton, Taylor and Denali Highways. Bureau of Land Management, Fairbanks, Alaska, USA.
- Stein, J.N., C.S. Jessop, T.R. Porter, and K.T.J. Chang-Kue. 1973. Fish resources of the Mackenzie River Valley. Fisheries Service, Department of the Environment, Winnipeg, Manitoba, Canada.
- Stenhouse, I.J., and S.E. Senner. 2005. Alaska WatchList - 2005. Audubon Alaska, Anchorage, Alaska, USA.
- Stenton, J.E. 1951. Eastern brook trout eggs taken by longnose suckers in Banff National Park, Canada. *Copeia*. 2:171-172.
- Stephenson, R.O. 2006. Units 25A, 25B, 25D, 26B, and 26C wolf management report. Pages 239-252 in P. Harper, editor. Wolf management report of survey and inventory activities 1 July 2002-30 June 2005. Alaska Department of Fish and Game. Project 14.0 Juneau, Alaska, USA.
- Stewart, D.B., T.J. Carmichael, C.D. Sawatzky, N.J. Mochnacz, and J.D. Reist. 2007. Fish life history and habitat use in the Northwest Territories: round whitefish (*Prosopium cylindraceum*). Canadian Manuscript Report of Fisheries and Aquatic Sciences 2795, Winnipeg.
- Striegl, R.G., M.M. Dornblaser, G.R. Aiken, K. Wickland, and P.A. Raymond. 2007. Carbon export and cycling by the Yukon, Tanana, and Porcupine Rivers, Alaska, 2001–2005. *Water Resources Research* 43:W02411.
- Sturm, M., C. Racine, and K. Tape. 2001. Increasing shrub abundance in the Arctic. *Nature* 411:546–547.
- Sumida, V., and D. Anderson. 1990. Patterns of fish and wildlife use for subsistence in Fort Yukon, Alaska. Technical paper No. 179. Alaska Department of Fish and Game, Subsistence Division.
- Summers, R.W., and L.G. Underhill. 1987. Factors related to breeding production of brent geese *Branta b. bernicla* and waders (Charadrii) on the Taimyr Peninsula. *Bird Study* 34:161–171.
- Suydam, R.S., D.L. Dickson, J.B. Fadely, and L.T. Quakenbush. 2000. Population declines of king and common eiders of the Beaufort Sea. *Condor*. 102:219-222.

- Szepanski, M.M. 2007. Units 25A, 25B, 25D, 26B, and 26C furbearer. Pages 313-334 in P. Harper, editor. Furbearer management report of survey and inventory activities 1 July 2003-30 June 2006. Alaska Department of Fish and Game. Project 7.0 Juneau, Alaska, USA.
- Tallman, R.F., and M.K. Friesen. 2007. A review of population trends in length and age of lake whitefish (*Coregonus clupeaformis*) harvested from Great Slave Lake between 1972 and 1995. Canadian Manuscript Report of Fisheries and Aquatic Sciences 2819, Winnipeg, MB.
- Tanana Valley Sportsmen's Association. 1959. Statement submitted to U.S. Congress, Senate, Committee on Interstate and Foreign Commerce, Subcommittee on Merchant Marine and Fisheries, Hearings, S. 1899, A Bill to Authorize the Establishment of the Arctic Wildlife Range, Alaska, 86th Congress, 1st session, Part 2, 29 October 1959. Washington, D.C.: GPO, 1960: 293-296.
- Tape, K., M. Sturm, and C. Racine. 2006. The evidence for shrub expansion in northern Alaska and the pan-arctic. *Global Change Biology* 12: 686-702.
- Taylor, A.R., R.B. Lanctot, A.N. Powell, F. Huettmann, D.A. Nigro, and S.J. Kendall. 2010. Distribution and community characteristics of staging shorebirds on Alaska's Arctic Coastal Plain. *Arctic* 63 (4): 451-467.
- Trawicki, J.M. 2000. Final report water resources inventory and assessment Yukon flats national wildlife refuge (water years 1993-1998). Water Resources Branch, U.S. Fish and Wildlife Service, WRB 00-04 Water Resources Branch, U.S. Fish and Wildlife Service, Department of the Interior, Anchorage, Alaska, USA.
- Trawicki, J.M., S.M. Lyons, and G.V. Elliot. 1991. Distribution and quantification of water within the lakes of the 1002 area, Arctic National Wildlife Refuge, Alaska. U.S. Fish and Wildlife Service, Alaska Fisheries Technical Report Number 10, Anchorage, Alaska, USA.
- Tripp, D.B., and P.J. McCart. 1974. Life histories of grayling (*Thymallus arcticus*) and longnose suckers (*Catostomus catostomus*) in the Donnelly River system, Northwest Territories in *Life Histories of Anadromous and Freshwater Fishes in the Western Arctic*. P.J. McCart (ed.) Canadian Arctic Gas Study Ltd./Alaskan Arctic Gas Study Co. Biological Report Series. 20:1-91.
- Troy, D. 2000. Shorebirds, p. 277-303. in J.C. Truett and S.R. Johnson, editors, *The natural history of an arctic oil field*. Academic Press, New York, USA.
- Truett, J.C. 1980. Part 2. physical processes. Pages 52-108 in LGL Ecological Research Associates Inc., editor. *Environmental assessment of the Alaskan continental shelf: Final reports of principal investigators. Volume 7. Biological Studies*. U.S. Department of Commerce, National Oceanic & Atmospheric Administration, Office of Marine Pollution Assessment, Fairbanks, Alaska, USA.
- Tumlison, R. 1999. Canada lynx *Lynx Canadensis*. Pages 233-234 in Wilson, D.E. and S. Ruff (eds.) 1999. *The Smithsonian Book of North American Mammals*. Smithsonian Institution Press. Washington, D.C., USA. 750 pp. U.S. Census Bureau. 2010. <www.census.gov>. Accessed 22 Feb 2010.

Literature Cited

- U.S. Department of Agriculture. Forest Service, Alaska Region 10 and State of Alaska Department of Natural Resources, Division of Forestry. 2010. Forest Health Conditions in Alaska – 2009. Forest Health Protection Program Report R10-PR-21.
- U.S. Department of the Interior. 2001. Memorandum from Marilyn Heiman, Special Assistant to the Secretary for Alaska to Niles Cesar, Bureau of Indian Affairs, Fran Cherry, Bureau of Land Management, David Allen, U.S. Fish and Wildlife Service, Rob Arnberger, National Park Service, Gordon Nelson, U.S. Geological Survey, and John Goll, Minerals Management Service. Washington, D.C., USA.
- U.S. Fish and Wildlife Service and National Marine Fisheries Service. 1998. Endangered Species Consultation Handbook. Procedures for Conducting Consultation and Conference Activities under Section 7 of the Endangered Species Act. Washington, D.C., USA.
- U.S. Fish and Wildlife Service. 1973. The Endangered Species Act of 1973. <<http://www.fws.gov/endangered/esa-library/index.html#esa>>. Accessed 24 Feb 2011.
- U.S. Fish and Wildlife Service. 1988a. Arctic National Wildlife Refuge Final Comprehensive Conservation Plan, Wilderness Review, and Environmental Impact Statement. U.S. Fish and Wildlife Service, Anchorage, Alaska, USA.
- U.S. Fish and Wildlife Service. 1988b. Record of Decision. Arctic National Wildlife Refuge Final Comprehensive Conservation Plan, Wilderness Review, and Environmental Impact Statement. U.S. Fish and Wildlife Service, Anchorage, Alaska, USA. U.S. Fish and Wildlife Service. 1992. Cultural Resource Management Handbook. <<http://www.fws.gov/historicPreservation/crp/policiesHandbook.html>>. Accessed 24 Feb 2011.
- U.S. Fish and Wildlife Service. 1994. Native American Policy. National Policy Issuance #94-10. Policy signed on June 28, 1994, issued as national policy on August 24, 1994. Washington, D.C., USA.
- U.S. Fish and Wildlife Service. 2008a. Birds of Conservation Concern 2008. United States Department of Interior, Fish and Wildlife Service, Division of Migratory Bird Management, Arlington, Virginia. <<http://www.fws.gov/migratorybirds/>>. Accessed 20 April 2010.
- U.S. Fish and Wildlife Service. 2008b. Federal subsistence management program: about the program. <<http://alaska.fws.gov/asm/about.cfm>> Accessed 4 Jan 2011.
- U.S. Fish and Wildlife Service. 2010a. Polar bear conservation issues. <<http://alaska.fws.gov/fisheries/mmm/polarbear/issues.htm>>. Accessed Jan 2010.
- U.S. Fish and Wildlife Service. 2010b. Polar Bear (*Ursus maritimus*): Southern Beaufort Sea Stock. <http://alaska.fws.gov/fisheries/mmm/stock/final_sbs_polar_bear_sar.pdf>. Accessed Oct 2010.
- U.S. Geological Survey. 1999. The Oil and Gas Resource Potential of the Arctic National Wildlife Refuge 1002 Area, Alaska. Open File Report 98-34 and Fact Sheet FS-040-98. U.S. Department of the Interior, Geological Survey, Reston, Virginia, USA.

- Underwood, L.C. and P.C. Reynolds. 1980. Photoperiod and fur lengths in the arctic fox (*Alopex lagopus* L.) International Journal of Biometeorology. 24(1): 39-48.
- Underwood, T.J., J.A. Gordon, M.J. Millard, L.A. Thorpe, and B.M. Osborne. 1995. Characteristics of selected fish populations of Arctic Wildlife Refuge coastal waters, final report, 1988-1991. U.S. Fish and Wildlife Service. Alaska Fisheries Technical Report No. 28.
- Van Daele, L.J. 2007. Unit 8. Pages 75-108 in P. Harper, editor. Brown bear management report of survey and inventory activities 1 July 2004-30 June 2006. Alaska Department of fish and Game. Juneau, Alaska, USA.
- Verbyla, D. 2008. The greening and browning of Alaska based on 1982-2003 satellite data. Global Ecological Biogeography 17: 547-555.
- Viavant, T. 2001. Eastern North Slope Dolly Varden Spawning and Overwintering Assessment Feasibility. Federal Subsistence Fisheries Resource Monitoring Program, Final Report for Study 00-02, U.S. Fish and Wildlife Service, Office of Subsistence Management, Fisheries Information Services Division, Anchorage, Alaska, USA.
- Viavant, T. 2005. Eastern North Slope Dolly Varden stock assessment. Alaska Department of Fish and Game. Fishery Data Series Number 05-07. 74p.
- Viavant, T. 2007. Aerial Monitoring of Dolly Varden overwintering abundance in the Anaktuvuk, Ivishak, Canning, Hulahula, and Kongakut rivers. U.S. Fish and Wildlife Service, Office of Subsistence Management, Fisheries Resource Monitoring Program, 2006 Annual Report (Study No. 06-108). Alaska Department of Fish and Game, Division of Sport Fish, Fairbanks, Alaska, USA.
- Viavant, T. 2009. Aerial monitoring of Dolly Varden overwintering abundance in the Anaktuvik, Ivishak, Canning, and Hulahula rivers, 2006-2008. Alaska Department of Fish and Game, Fishery Data Series No. 09-21, Anchorage, Alaska, USA.
- Viereck, L.A., C.T. Dryness, A.R. Batten, and K.J. Wenzlick. 1992. The Alaska vegetation classification. U.S. Forest Service, Pacific Northwest Research Station General Technical Report 286. Portland, Oregon, USA.
- Viereck, L.A. 1959. Testimony before U.S. Congress, Senate, Committee on Interstate and Foreign Commerce, Subcommittee on Merchant Marine and Fisheries, Hearings, S. 1899, A Bill to Authorize the Establishment of the Arctic Wildlife Range, Alaska, 86th Congress, 1st session, Part 2, 29 October 1959. Washington, D.C.: GPO, 1960: 408.
- Vors, L.S., and M.S. Boyce. 2009. Global declines of caribou and reindeer. Global Change Biology 15:2626-2633.
- Walsh, J. 2010. Changes in Alaska's environmental drivers: Realities and uncertainties. Presentation to U.S. Fish and Wildlife Service, Region 7, 19 January 2010, International Arctic Research Center, University of Alaska Fairbanks, Fairbanks, AK, USA. <<http://region7.fws.gov/climatechange/lecture.htm>>. Accessed 5 Nov 2010.
- Walsh, N.E., B. Griffith, and T.R. McCabe. 1995. Evaluating growth of the Porcupine caribou herd using a stochastic model. Journal of Wildlife Management 59:262-272.

Literature Cited

- Walvoord, M.A., and R.G. Striegl. 2007. Increased groundwater to stream discharge from permafrost thawing in the Yukon River basin: Potential impacts on lateral export of carbon and nitrogen. *Geophysical Research Letters* 34:L12402.
- Warbelow, C., D. Roseneau, and P. Stern. 1975. The Kutchin Caribou Fences of Northeastern Alaska and the Northern Yukon. *In* Studies of large mammals along the proposed Mackenzie Valley Gas Pipeline Route from Alaska to British Columbia. Arctic Gas Biological Report Series. Volume 32. Renewable Resources Consulting Services, Canadian Arctic Gas Study, Limited, and Alaska Arctic Gas Company, Calgary, Alberta, Canada.
- Ward, P., and P. Craig. 1974. Catalogue of streams, lakes, and coastal areas in Alaska along routes of the proposed gas pipeline from Prudhoe Bay, Alaska to the Alaska/Canadian border. Biological Report Series, Volume 19. Canadian Arctic Gas Study Ltd/Alaska Arctic Gas Study Co., Calgary, Alberta, Canada.
- Warneke, C., R. Bahreini, J. Brioude, C.A. Brock, J.A. de Gouw, D.W. Fahey, K.D. Froyd, J.S. Holloway, A. Middlebrook, L. Miller, S. Montzka, D.M. Murphy, J. Peischl, T.B. Ryerson, J.P. Schwarz, J.R. Spackman, and P. Veres. 2009. Biomass burning in Siberia and Kazakhstan as an important source for haze over the Alaskan Arctic in April 2008. *Geophysical Research Letters* 36: L02813.
- Watts, P.D. and C. Jonkel. 1988. Energetic cost of winter dormancy in grizzly bear. *Journal of Wildlife Management* 52(4):654-656.
- Weiser, E.L. and A.N. Powell. 2010. Does garbage in the diet improve reproductive output of glaucous gulls? *Condor* 112(3):530-538.
- Welch, H.E., R.E. Crawford, and H. Hop. 1993. Occurrence of arctic cod (*Boreogadus saida*) schools and their vulnerability to predation in the Canadian High Arctic. *Arctic* 46:331 - 339.
- Weller, G., M. Nolan, G. Wendler, C. Benson, K. Echelmeyer, and N. Untersteiner. 2007. InfoNorth: Fifty years of McCall glacier research: From the international geophysical year 1957-58 to the international polar year 2007-08. *Arctic* 60:101-110.
- Wendler, G., M. Shulski, and B. Moore. 2010. Changes in the climate of the Alaskan North Slope and the ice concentration of the adjacent Beaufort Sea. *Theoretical and Applied Climatology* 99: 67-74.
- Wentworth, C.J. 1979. Kaktovik Synopsis in Native Livelihood and Dependence: A Study of Land Use Values Through Time. 105c Land Use Study 1. National Petroleum Reserve in Alaska, U.S. Department of Interior, Anchorage, Alaska, USA. Pp. 89-105.
- Werner, R.A. 1996. Forest health in boreal ecosystems of Alaska. *The Forestry Chronicle* 72(1): 43-46.
- Wertz, T.L., S.M. Arthur, B. Griffith, D. Cooley, and M. Kienzler. 2006. Seasonal mortality of the Porcupine Caribou Herd in Alaska and northern Yukon Territory, 2003-2006. Paper presented at The Wildlife Society national meeting, Anchorage, Alaska. September 2006.
- West, F.H. 1981. *Archaeology of Beringia*. Columbia University Press, New York, USA.

- West, F.H. 1996. *American Beginnings: The Prehistory and Paleoecology of Beringia*. University of Chicago Press, Chicago, USA.
- West, K.D. and J.A. Donaldson. 2002. Resedimentation of the late Holocene White River tephra, Yukon Territory and Alaska. Pages 239-247 in D.S. Edmond, L.H. Weston, and L.L. Lewis, editors. *Yukon Exploration and Geology*, Exploration and Geological Service Division, Yukon Region, Indian and Northern Affairs, Canada.
- West, R.L., and D.J. Fruge. 1989. A review of coastal plain fish surveys and the results of 1986 fish surveys of selected coastal lakes and streams, Arctic National Wildlife Refuge, Alaska. U.S. Fish and Wildlife Service. Alaska Fisheries Technical Report Number 4. 22p.
- West, R.L., and D.W. Wiswar. 1985. Fisheries investigations on the Arctic National Wildlife Refuge, Alaska, 1984. Pages 729-777 in G.W. Garner and P.E. Reynolds, editors. *Arctic National Wildlife Refuge coastal plain resource assessment, 1984 update report, baseline study of the fish, wildlife, and their habitats*. U.S. Fish and Wildlife Service, Anchorage, Alaska, USA.
- West, R.L., M.W. Smith, W.E. Barber, J.B. Reynolds, and H. Hop. 1992. Autumn migration and overwintering of Arctic grayling in coastal streams of the Arctic National Wildlife Refuge, Alaska. *Transactions of the American Fisheries Society*. 121:709-715.
- Western Hemisphere Shorebird Reserve Network. 2006. Western Hemisphere Shorebird Reserve Network selection criteria. <<http://www.whsrn.org/selection-criteria>>. Accessed March 2011.
- Whitman, J.S. 2002. Wolverine *Gulo gulo*. Pages 175-177 in Wilson, D.E. and S. Ruff (eds.) 1999. *The Smithsonian Book of North American Mammals*. Smithsonian Institution Press. Washington, D.C., USA. 750 pp.
- Whitten, K.R., G.W., Garner, F.J. Mauer and R.B. Harris. 1992. Productivity and early calf survival of the Porcupine caribou herd. *Journal of Wildlife Management*. 56:201-212.
- Wiley, R.H., and D.S. Lee. 2000. Pomarine Jaeger (*Stercorarius pomarinus*). in *The Birds of North America*, No. 483. A. Poole and F. Gill, editors. The Birds of North America, Inc., Philadelphia, Pennsylvania, USA.
- Williams, D., and M. Patterson. 1999. Environmental psychology: Mapping landscape meanings for ecosystem management. In: Cordell, H. K.; Bergstrom, J.C., eds. *Integrating social sciences and ecosystem management: Human dimensions in assessment, policy and management*. Champaign, IL: Sagamore Press. p. 141-160.
- Wilmking, M., G.P. Juday, V.A. Barber, and H.S.J. Zald. 2004. Recent climate warming forces opposite growth responses of white spruce at treeline in Alaska through temperature thresholds. *Global Change Biology* 10:1724-1736.
- Wilson, C. June 1947. Founding Fort Yukon. *The Beaver Magazine: a magazine of the North*. Outfit 278: 38-43.
- Wilson, D.E. and S. Ruff (eds.). 1999. *The Smithsonian Book of North American Mammals*. Smithsonian Institution Press. Washington, D.C., USA. 750 pp.

Literature Cited

- Wilson, W.J., E.H. Buck, G.F. Player, and L.D. Dreyer. 1977. Winter water availability and use conflicts as related to fish and wildlife in Arctic Alaska—a synthesis of information. FWS/OBS-77/06. U.S. Fish and Wildlife Service, Washington, D.C., USA.
- Wimpey, J., and J.L. Marion. 2010. The influence of use, environmental and managerial factors on the width of recreational trails. *Journal of Environmental Management* 91:2028-2037.
- Wipfli, M.S. 2009. Food supplies of stream-dwelling salmonids. Pages 39-52 in C.C. Krueger and C.E. Zimmerman, editors. *Pacific salmon: ecology and management of western Alaska's populations*. American Fisheries Society, Symposium 70, Bethesda, Maryland.
- Wiseman, W.J. Jr., and A.D. Short. 1976. Arctic coastal processes: An overview. *Naval Research Reviews*. 29(5):35-47.
- Wiswar, D.W. 1986. Notes on the age, growth, distribution and summer feeding habits of Arctic flounder in Beaufort Lagoon, Arctic National Wildlife Refuge, Alaska, 1985. U.S. Fish and Wildlife Service. Fairbanks Fishery Resources Progress Report Number FY86-3.
- Wiswar, D.W. 1991. Summer distribution of fishes in the Okpilak and Akutoktak rivers, Arctic National Wildlife Refuge, Alaska, 1989. U.S. Fish and Wildlife Service. Alaska Fisheries Technical Report No. 11.
- Wiswar, D.W. 1992. Summer distribution of Arctic fishes in the Okpilak, Akutoktak, and Jago rivers, Arctic National Wildlife Refuge, Alaska, 1990. U.S. Fish and Wildlife Service. Alaska Fisheries Technical Report No. 17.
- Wiswar, D.W. 1994. Summer distribution of Arctic fishes in the 1002 Area of the Arctic National Wildlife Refuge, Alaska, 1991 with emphasis on selected lakes, tundra streams, and the Sadlerochit River drainage. U.S. Fish and Wildlife Service. Alaska Fisheries Technical Report No. 27.
- Wiswar, D.W., and R.L. West. 1987. Fisheries investigations in Beaufort Lagoon, Arctic National Wildlife Refuge, Alaska, 1985. Pages 778-800 in G.W. Garner and P.E. Reynolds, editors. *Arctic National Wildlife Refuge coastal plain resource assessment, 1985 update report, baseline study of the fish, wildlife, and their habitats*. U.S. Fish and Wildlife Service, Anchorage, Alaska, USA.
- Wiswar, D.W., R.L. West, and W.N. Winkleman. 1995. Fisheries Investigation in Oruktalik Lagoon, Arctic National Wildlife Refuge, Alaska, 1986. U.S. Fish and Wildlife Service, Fairbanks Fisheries Resource Office, Alaska Fisheries Technical Report No. 30. Fairbanks, Alaska, USA.
- Wolfe, R.J., and L.J. Ellanna. 1983. Introduction to the case studies. Pages 1-9 in R.J. Wolfe and L.J. Ellanna, compilers. *Resource use and socio-economic systems: case studies of fishing and hunting in Alaskan communities*. Technical Paper 61. Division of Subsistence, Alaska Department of Fish and Game, Juneau, Alaska, USA.
- Wolfe, R.J., and R.J. Walker. 1987. Subsistence economies in Alaska: productivity, geography, and development impacts. *Arctic Anthropology* 24: 56-81.
- Wootton, R.J. 1984. *A functional biology of sticklebacks*. University of California Press. Berkeley, California, USA.

- Workman, W.B. 1996. Human Colonization of the Cook Inlet Basin before 3,000 years ago. Pages 39-48 *in* N.Y. Davis and W.E. Davis, editors. *Adventures through time: readings in the anthropology of Cook Inlet Alaska*. Cook Inlet Historical Society, Anchorage, Alaska, USA.
- World Associates. 1978. Alaska OCS socio-economic studies program, assessment of change in the North Slope, Beaufort Sea region sociocultural systems. Bureau of Land Management, Alaska OCS, Anchorage, Alaska, USA.
- Yoshihara, H.T. 1972. Monitoring and evaluation of Arctic waters with emphasis on the North Slope drainages *in* Annual Report of Progress, 1971-1972. Federal Aid in Fish Restoration. Sport Fish Investigations of Alaska. Alaska Department of Fish and Game. Project F-9-4, Job G-III-A. 49 p.
- Yoshihara, H.T. 1973. Monitoring and evaluation of Arctic waters with emphasis on the North Slope drainages *in* Annual Report of Progress, 1972-1973. Federal Aid in Fish Restoration. Sport Fish Investigations of Alaska. Alaska Department of Fish and Game. Project F-9-5, Job G-III-A. 86 p.
- Yoshikawa, K., L.D. Hinzman, and D.L. Kane. 2007. Spring and aufeis (icing) hydrology in Brooks Range, Alaska. *Journal Geophysical Research* 112:G04S43.
- Young, D.D., T.R McCabe, R. Ambrose, G.W. Garner, G. J. Weiler, H.V. Reynolds, M.S. Udevitz, D.J. Reed and B. Griffith. 2002. Predators. Pages 51-53 in D.C. Douglas, P. E. Reynolds, and E.B. Rhode, editors. 2002. Arctic Refuge coastal plain terrestrial wildlife research summaries. U.S. Geological Survey, Biological Resources Division, Biological Science Report USGS/BRD/BSR-2002- 0001.
- Yukon Flats. 2010. Appendix J *in* Yukon Flats National Wildlife Refuge Environmental Impact Statement for the Proposed Land Exchange. Yukon Flats, Fairbanks, Alaska, USA.
- Zahniser, H. 1956. The need for wilderness areas. *Living Wilderness* 59: 37-43.
- Zyus'ko, A.Y., V.V. Rusanov, and Z.A. Chernyayev. 1993. Biological data on round whitefish, *Prosopium cylindraceum*, from the Chara River. *Journal of Ichthyology* 33(2): 37-48.

