

## LITERATURE CITED

- Alaska Department of Fish and Game. 2002. Alaska aquatic nuisance species management plan. Juneau, AK. 103 pp.
- Alaska Regional Assessment Group. 1999. The Potential Consequences of Climate Variability and Change. The center for global change and arctic system research. University of Fairbanks, Alaska.
- Arcese, P., and A.R.E. Sinclair. 1997. The role of protected areas as ecological baselines. *J. Wildl. Manage* 61(3):587-620.
- Banci, V.A. 1994. Wolverine. Pages 99-127 in Ruggiero, Leonard F.; Keith B. Aubry; Steven W. Buskirk; L. Jack Lyon; Zielinski, of felids. *In* Miller, S.D., and D.D. Everett, edited by. *The Scientific Basis for Conserving Forest Carnivores: American Marten, Fisher, Lynx, and Wolverine*. U.S. Department of Agriculture, Forest Service, General Technical Report RM-254.184pp.
- Barrett, G.W., G.M. Van Dyne, and E.P. Odum. 1976. Stress ecology. *BioScience* 26:192-194
- Ben-David M. 1997. Timing of reproduction in wild mink: The influence of spawning Pacific salmon. *Canadian Journal of Zoology* 75: 376-382.
- Ben-David, M., T.A. Hanley, and D.M. Schell. 1998. Fertilization of terrestrial vegetation by spawning Pacific salmon: the role of flooding and predator activity. *Oikos* 83:47-55.
- Berger, A.R., and W.J. Iams. 1996. *Geoinicators: assessing rapid environmental changes in earth systems*. Balkema, Rotterdam. 466pp.
- Bertram, P., and N. Stadler-Salt. 2000. Selection of Indicators for Great Lakes Basin Ecosystem Health. U.S. Environmental Protection Agency, Chicago, IL, 28 pgs
- Bricker, O.P., and M.A. Ruggiero. 1998. Toward a national program for monitoring environmental resources. *Ecol. Appl.* 8:326-329.
- Burbank, D.C. 1977. Circulation studies in Kachemak Bay and Lower Cook Inlet. L.L. Trasky, L.B. Flagg, and D.C. Burbank, ed. Vol. III. Alaska Department of Fish and Game. Anchorage, AK. 207pp.
- Cain, S.A. 1959. Ecological Islands as Natural Laboratories. (Unpubl.) Sixth Biennial Wilderness Conference, Fairmont Hotel, San Francisco, March 1959, National Park Service Archives. Harpers Ferry, Box N16, Management Biology 1948-1962.

- Chapin, F.S. III, B.H. Walker, R.J. Hobbs, D.U. Hooper, J.H. Lawton, O.E. Sala, and D. Tillman. 1997. Biotic control over the Functioning of Ecosystems. *Science* 277:500-504.
- Croze, H. 1982. Monitoring within and outside protected areas. Pages 628-633 in J.A. McNeely and K.R. Miller, ed. *National Parks, Conservation, and Development: The Role of Protected Areas in Sustaining Society*. Proceedings of the World Congress on National Parks, October 11-22, 1982, Bali, Indonesia. Smithsonian Institution Press. Washington, D.C.
- Dale, V., H.S. Brown, R.A. Haeuber, N.T. Hobbs, N. Huntly, R.J. Naiman, W.E. Riebsame, M.G. Turner, and T.J. Valone. 2000. Ecological principles and guidelines for managing the use of land. *Ecological Applications* 10:639-670.
- Dale, V.H. and S.C. Beyeler. 2001. Challenges in the development and use of ecological indicators. *Ecological Indicators* 1 (2001) 3–10.
- Davis, G.E., and W.L. Halvorson. 1988. Inventory and monitoring of natural resources in Channel Islands National Park, California. USDOl. National Park Service, Channel Islands National Park, Ventura, CA. 31pp.
- Davis, G.E. 1989. Design of a long-term ecological monitoring program for Channel Islands National Park, California. *Natural Areas Journal* 9(2):80-89.
- Densmore, R.V., P.C. McKee, and C. Roland. 2001. Exotic plants in Alaskan National Park Units. Unpublished report, USGS-Alaska Science Center. 144 pp + appendix.
- Ewald, G. P. Larsson, H. Linge, L. Okla, and N. Szarzi. 1998. Biotransport of organic pollutants to an inland Alaska lake by migrating sockeye salmon (*Oncorhynchus nerka*). *Arctic* 51:40-47.
- Drake, J.A., H.A. Mooney, F. di Castri, R.H. Groves, F.J. Kruger, M. Rejmanek, and M. Williamson, ed. 1989. *Biological invasions: a global perspective*. John Wiley and Sons. Chichester, England.
- Elzinga, C.L., D.W. Salzer, and J.W. Willoughby. 1998. Measuring and monitoring plant populations. BLM Technical Reference 1730-1, Denver, CO. 477 pages.
- Forbes, B.C., Ebersole, J.J. and S. Beate. 2001. Anthropogenic Disturbance and Patch Dynamics in Circumpolar Arctic Ecosystems. *Conservation Biology* 15 (4), 954-969.
- Forman, R.T., M.Gordon. 1986. *Landscape Ecology*. London. Wiley & Sons.

- Forman, R.T.T. 1995. Land mosaics: the ecology of landscapes and regions. Cambridge University Press. Cambridge, England.
- Hamilton, T.D., K.M. Reed, and R.M. Thorson. 1986. Glaciation in Alaska—Introduction and Overview. pp. 1-8 *in* Glaciation in Alaska: The Geologic Record (Hamilton, T.D., K.M. Reed, and R.M. Thorson, ed.). Alaska Geological Society, Anchorage.
- Hannah, L., G.F. Midgley, and D. Millar. 2002. Climate change-integrated conservation strategies. *Global Ecology and Biogeography* 11 (6), 485-495.
- Hansen, A.J. 1987. Regulation of bald eagle reproductive rates in southeast Alaska. *Ecology* 68:1387-1392.
- Halvorson, C.H. 1984. Long-term monitoring of small vertebrates: a review with suggestions. Pp 11-25 in J. Johnson, J. Franklin, and R. Krebill, coords. Research Natural Areas: Baseline Monitoring and Management. Gen. Tech. Rpt. INT 173. Forest Service Intermountain Forest and Range Experiment Station, Ogden, Utah. 84 pp.
- Helfield, J.M., and R.J. Naiman. 2002. Salmon and alder as nitrogen sources to riparian forests in a boreal Alaskan watershed. *Oecologia* 133:573-582.
- Hilderbrand, G.V., T. A. Hanley, and C.C. Schwartz. 1999a. Role of brown bears (*Ursos Arctos*) in the flow of marine nitrogen into a terrestrial ecosystem. *Oecologia* 121:546-550.
- Hilderbrand, G.V., S.G. Jenkins, C.C. Schwartz, T.A. Hanley, and C.T. Robbins. 1999b. Effect of seasonal differences in dietary meat intake on changes in body mass and composition in wild and captive brown bears. *Canadian Journal of Zoology* 77: 1623-1630.
- Hood, D., and S.T. Zimmerman. 1986. The Gulf of Alaska Physical Environment and Biological Resources. OCS Study 86-0095, USDOC, NOAA, NOS, and USDO, MMS. Anchorage, AK. 655 pp.
- Johnson, W.C., and S.P. Bratton. 1978. Biological monitoring in UNESCO biosphere reserves with special reference to the Great Smoky Mountains National Park. *Biological Conservation* 13:105-115.
- Johnston, N.T., J.S. MacDonald, K.J. Hall, and P.J. Tschaplinski. 1997. A preliminary study of the role of sockeye salmon (*Oncorhynchus nerka*) carcasses as carbon and nitrogen sources for benthic insects and fishes in the 'Early Stuart' stock spawning streams, 1050 km from the ocean. Fisheries Project Report No. RD55, Fisheries Branch, Ministry of Environment, Lands, and Parks, Province of British Columbia, Canada.

- Jones, K.B. 1986. The inventory and monitoring process. Pp 1-9 *in* A.Y. Cooperrider, R.J. Boyd, and H.R. Stewart, ed. Inventory and Monitoring of Wildlife Habitat. USDOI Bureau of Land Management. Service Center. Denver, Colorado. 858 pp.
- Kremen, C., Colwell, R.K., Erwin, T.L., Murphy, D.D., Noss, R.F. and Sanjayan, M.A. 1993. Terrestrial arthropod assemblages: their use in conservation planning. *Conservation Biology*, 7, 796-808.
- Krummel, E. M., R.W. Macdonald, L.E. Kimpe, I. Gregory-Eaves, M.J. Demers, J.P. Smol, B. Finney, and J.M. Blais. 2003. Delivery of pollutants by spawning salmon. *Nature* 425:255-256
- Lees, D.C., J.P. Houghton, D.E. Erikson, W.B. Driskell, and D.E. Boettcher. 1980. Ecological studies of intertidal and shallow subtidal habitats in lower Cook Inlet, Alaska. Final Report for NOAA by Dames and Moore. 403 pp.
- Lees, D.L. 1977. Reconnaissance of the intertidal and shallow subtidal biotic Lower Cook Inlet. Final Report. Outer Continental Shelf Environmental Assessment Program vol. 3. pp. 179-506.
- Likens, G.E. 1992. The Ecosystem Approach: Its Use and Abuse. Excellence in Ecology, Book 3. Ecology Institute, Oldendorf-Luhe, Germany. 166 pp.
- Mack, R.N., D. Simberloff, W.M. Lonsdale, H. Evans, M. Clout, and F.A. Bazzaz. 2000. Biotic invasions: causes, epidemiology, global consequences, and control. *Ecological Applications* 10(3):689-710.
- Magnuson, J.J. 1990. Long-term ecological research and the invisible present. *BioScience* 40(7):495-501.
- Meehan, R., V. Byrd, G. Divoky, and J. Piatt. 1998. Implications of Climate Change for Alaska's Seabirds. Unpubl. Rept. U.S. Fish and Wildlife Service, Homer, Alaska.
- Miller, M. E., D. Sharrow, and L. Cudlip. 2003. Northern Colorado Plateau Vital Signs Network and Prototype Cluster Plan for Natural Resource Monitoring Phase II Report. 367 pp.
- Naiman, R.J., and K.H. Rogers. 1997. Large animals and system-level characteristics in river corridors. *BioScience* 47:521-529.
- National Academy of Sciences. 1992. Science and the National Parks. (Unpubl.) Committee on Improving the Science and Technology Programs of the National Park Service Washington, D.C., National Academy Press, 9-13.

- National Park Service, 1980. State of the Parks. May 1980 - A Report to the Congress. (Unpubl.) Office of Science and Technology, National Park Service. Washington, D.C. GPO.
- Noon, B.R. 2003. Conceptual issues in monitoring ecological systems. Pp. 27-72 *In: Monitoring Ecosystems: Interdisciplinary Approaches for Evaluating Ecoregional Initiatives*. D.E. Busch and J.C. Trexler, ed. Island Press.
- Noss, R.F., and A.Y. Cooperrider. 1994. Saving Nature's Legacy: Protecting and Restoring Biodiversity, Washington, D.C. Island Press.
- Paine, R.T. 1995. A conversation on refining the concept of keystone species. *Conservation Biology* 9:962-964.
- Peek, J.M. 1999. A Proposal to Establish a Monitoring Program for the University of Idaho Taylor Ranch Facility and the Adjacent Frank Church River-of-No-Return Wilderness. University of Idaho, Moscow, ID. 46pp.
- Power, M.E., D. Tilman, J.A. Estes, B.A. Menge, W.J. Bond, L.S. Mills, G. Daily, J.C. Castilla, J. Lubchenco, and R.T. Paine. 1996. Challenges in the quest for keystones. *Bioscience* 46:609-620.
- Quinn, J.F., and C. Van Riper III. 1990. Design considerations for national park inventory databases. Pp 5-14 *in* C. Van Riper III et al. ed. *Examples of Resource Inventory and Monitoring in National Parks of California*. Proc. of the Third Biennial Conference on Research in California's National Parks, September 13-15, 1990. University of California, Davis, California. 268 pp.
- Rozell, N. 2002. Moose as Ecosystem Engineers. Article #1584. (Unpubl.) Geophysical Institute. University of Alaska Fairbanks.
- Sambrotto, R.N., and C.J. Lorenzen. 1986. Phytoplankton and primary productivity. *In* The Gulf of Alaska Physical Environment and Biological Resources. D.W. Hood and S.T. Zimmerman, ed. Vol. OCS Study 86-0095 USDOC, NOAA, NOS, and USDO, MMS, Alaska OCS Region. Anchorage, AK. pp. 249-282.
- Sanderson, J.G., and L.D. Harris. 2003. The rest of the story - Linking top-down effects to organisms. Pp. 55-72 *In* Landscape Ecology and Resource Management Bissonette and Storch, ed. Island Press. 463 pp.
- Schindler, D.E., M.D. Scheuerell, J.W. Moore, S.M. Gende, T.B. Francis, and W.J. Palen. 2003. Pacific salmon and the ecology of coastal ecosystems. [www.frontiersinecology.org](http://www.frontiersinecology.org). Accessed February 11, 2004.
- Simpson, J.J., G.L. Hufford, M.D. Fleming, J.S. Berg, and J.B. Aston. 2002. Long-term climate patterns in Alaskan surface temperature and precipitation and their

- biological consequences. *IEEE Trans. Geoscience and Remote Sensing*. 40(5):1164-1184.
- Simpson, J.J., G.L. Hufford, C. Daly, J.S. Berg, and M.D. Fleming. Submitted to *Weather and Forecasting*. Two views of Alaskan surface temperature and precipitation: implication for the development of an improved operational climate monitoring system.
- Suffling, R., and D. Scott. 2002. Assessment of climate change effects on Canada's National Park System. *Environmental Monitoring and Assessment* 74:117-139.
- Tardiff, S. and J. A. Stanford (1998). "Grizzly bear digging: Effects on subalpine meadow plants in relation to mineral nitrogen availability." *Ecology* 79(7): 2219-2228
- Turner, M.G. 1989. Landscape ecology: the effect of pattern on process. *Annu. Rev. Ecol. Syst.* 20: 171 – 197
- Urban, D.L., R.V. O'Neill, and H.H. Shugart. 1987. Landscape ecology. *BioScience* 37:119-127.
- Urquhart, N.S., S.G. Paulsen, and D.P. Larsen. 1998. Monitoring for policy-relevant regional trends over time. *Ecological Applications* 8:246-247.
- Vitousek, P.M., H.A. Mooney, J. Lubchenco, and J.M. Melillo. 1997. Human domination of earth's ecosystems. *Science* 277:494-499.
- Vos, P., E. Meelis, and W.J. Ter Keurs. 2000. A framework for the design of ecological monitoring programs as a tool for environmental and nature management. *Environmental Monitoring and Assessment* 61:317-344
- Walter, H. 1963. Climatic diagrams as a means to comprehend the various climatic types for ecological and agricultural purposes. Pp. 3-9 in Rutter, A.J., and F.H. Whitehead (ed.). *The water relations of plants. A symposium of the British Ecological Society, London, 5-8 April 1961.* London. Blackwell Scientific Publications.
- Weisberg, S.B., T.L. Hayward, and M. Cole. 2000. Towards a US GOOS: A synthesis of lessons learned from previous coastal monitoring efforts. *Oceanography* 13(1):54-61.
- Wiersma, G. Bruce. 1984. Integrated global background monitoring network. Unpubl. Symposium: Research and Monitoring in Circumpolar Biosphere Reserves. Waterton Biosphere Reserve, Waterton Lakes, Alberta, Canada.

- White, P.S., and S.P. Bratton. 1980. After preservation: philosophical and practical problems of change. *Biological Conservation* 18:241-255.
- White, P.S., and S.T.A. Pickett. 1985. Natural disturbance and patch dynamics: an introduction. Chapter 1 < [http://www.env.duke.edu/lel/env214/le\\_agnt3.html](http://www.env.duke.edu/lel/env214/le_agnt3.html) >.
- Willson, M.F., S. M. Gende, and B.H. Marston. 1998. Fishes and the forest: Expanding perspectives on fish-wildlife interactions. *BioScience* 48:455-462.