

References

- Adelsperger, S. R., D. L. Ficklin, S. M. Robeson, M. A. Zimmer, J. C. Hammond, D. M. Hall, D. M., and J. P. Gannon. 2024. Agricultural tile drains increase the susceptibility of streams to longer and more intense streamflow droughts. *Environmental Research Letters* 19(10):104071.
- Agnew, W., D. W. Uresk, and R. M. Hansen, R. M. 1986. Flora and fauna associated with prairie dog colonies and adjacent ungrazed mixed-grass prairie in western South Dakota. *Rangeland Ecology & Management/Journal of Range Management Archives* 39(2):135-139.
- Allan, D. J. 2004. Landscapes and riverscapes: The influences of land use on streams ecosystems. *Annual Review of Ecology, Evolution, and Systematics* 35:257–284.
- Allan, J., and M. Castillo. 2007. *Stream ecology: structure and function of running waters* (2nd ed.). Kluwer Academic Publishers.
- American Wind Energy Association. 2022. *U.S. Wind Industry Annual Market Report 2021*.
- Anderson, J. R. 1976. A land use and land cover classification system for use with remote sensor data (Vol. 964). US Government Printing Office.
- Anderson, R. C. 1990. The historic role of fire in the North American grassland. Pages 8-18 in *Fire in North American tallgrass prairies*. University of Oklahoma Press, Norman.
- Andrews, A. M., E. Rosen, and I. Chappell. 2001. Review of unexploded ordnance detection demonstrations at the Badlands Bombing Range. Institute for Defense Analysis Document D-2615.
- Anteau, M. J. 2012. Do interactions of land use and climate affect productivity of waterbirds and prairie-pothole wetlands? *Wetlands* 32(1):1-9.
- Aplet, G. H., and W. S. Keeton. 1999. Application of historical range of variability concepts to biodiversity conservation. Page 71-86 In *Practical approaches to the conservation of biological diversity*, Island Press.
- Arnett, E. B., D. B. Inkley, D. H. Johnson, R. P. Larkin, S. Manes, A. M. Manville, J. Mason, M. Morrison, M. D. Strickland, and R. Thresher, R. 2007. Impacts of wind energy facilities on wildlife and wildlife habitat. *Wildlife Society technical review* 7(2):1-51.
- Association of Fish and Wildlife Agencies and The Wildlife Management Institute. 2019. *Fish and Wildlife Relevancy Roadmap: Enhanced Conservation Through Broader Engagement (v1.0)*. M. Dunfee, A. Forstchen, E. Haubold, M. Humpert, J. Newmark, J. Sumners, and C. Smith, editors. Association of Fish and Wildlife Agencies, Washington, DC, USA.
- Baird, A. J., F. M. R. Hughes. 2000. Hydrological Impacts of Recreational Use on Wetland Ecosystems. *Wetlands Ecology and Management* 8(1):17-25.
- Baker, W. L. 2006. Fire and restoration of sagebrush ecosystems. *Wildlife Society Bulletin* 34(1):177-185.
- Bamforth, D. B. 1987. Historical documents and bison ecology on the Great Plains. *Plains Anthropologist* 32(115):1-16.
- Bansal, S., S. C. Lishawa, S. Newman, B. A. Tangen, D. Wilcox, D. Albert, M. J. Anteau, M. J. Chimney, R. L. Cressey, and E. DeKeyser. 2019. Typha (cattail) invasion in North American wetlands: biology, regional problems, impacts, ecosystem services, and management. *Wetlands* 39:645-684.
- Barlow, J. W., and P. H. Gude. 2009. The impact of recreational activities on forest soils in South Dakota. *Forest Ecology and Management* 257(8):1716-1724.
- Barnes, W. J., and E. Dibble. 1988. The effects of beaver in riverbank forest succession. *Canadian Journal of Botany* 66(1):40-44.
- Basley, K. 2018. Effect of neonicotinoid pesticides on non-target organisms. PhD Thesis, Department of Evolution, Behaviour and Environment, University of Sussex, UK.
- Bat Conservation International (BCI). 2023. *State of the Bats North America – Conservation status and threats to North American Bats*. North American Bat Conservation Alliance.
- Benda, L. E., D. J. Miller, T. Dunne, G. H. Reeves, and J. K. Agee. 1998. Dynamic landscape systems. Pages

South Dakota Wildlife Action Plan 2025 Revision

- 261-288 in *River ecology and management: lessons from the Pacific coastal ecoregion*.
- Benke, A.C., and C.E. Cushing. 2005. *Rivers of North America*. Elsevier Academic Press, Burlington, MA, USA.
- Benson, R.D. 1983. A preliminary assessment of the hydrologic characteristics of the James River in South Dakota. U.S. Geological Survey Water Resources Investigations Report 83-4077, Huron, SD, USA.
- Benton, P.D., W. E. Ensign, and B. J. Freeman. 2008. The effect of road crossings on fish movements in small Etowah Basin streams. *Southeastern Naturalist* 7(2):301-310.
- Berger, J. 2004. The last mile: how to sustain long-distance migration in mammals. *Conservation Biology*, 18(2):320-331.
- Bestelmeyer, B. T., A. J. Tugel, G. J. Peacock Jr., D. G. Robinett, P. L. Shaver, J. R. Brown, J. E. Herrick, H. Sanchez, and K. M. Havstad. 2009. State-and-transition models for heterogeneous landscapes: a strategy for development and application. *Rangeland Ecology & Management*, 62(1):1-15.
- Bestelmeyer, B. T., J. P. Ward, and K. M. Havstad. 2006. Soil-geomorphic heterogeneity governs patchy vegetation dynamics at an arid ecotone. *Ecology*, 87(4):963-973.
- Biondini, M. E., A. A. Steuter, and R. G. Hamilton. 1999. Bison use of fire-managed remnant prairies. *Rangeland Ecology & Management/Journal of Range Management Archives*, 52(5):454-461.
- Blanton, P., and W. A. Marcus. 2009. Railroads, roads and lateral disconnection in the river landscapes of the continental United States. *Geomorphology*, 112(3-4):212-227.
- BLM (Bureau of Land Management). 2024. Record of Decision for Utility-Scale Solar Energy Development. [online] Available at: https://eplanning.blm.gov/public_projects/2022371/200538533/20125356/251025336/Solar%20P%20EIS%20ROD_Vol%201_Final%2012.19.2024.pdf (Accessed December 31, 2024)
- Bonmatin, J.-M., C. Giorio, V. Girolami, D. Goulson, D. P. Kreutzweiser, C. Krupke, M. Liess, E. Long, M. Marzaro, E. A. D. Mitchell, D. A. Noome, N. Simon-Delso, and A. Tapparo. 2015. Environmental fate and exposure; neonicotinoids and fipronil. *Environmental Science and Pollution Research* 22:35–67. <https://doi.org/10.1007/s11356-014-3332-7> [Accessed 5 March 2025].
- Bouska, W. W., and C. P. Paukert. 2010. Road crossing designs and their impact on fish assemblages of Great Plains streams. *Transactions of the American Fisheries Society*, 139(1):214-222.
- Brinson, M. 1995. *A Guidebook for Application of Hydrogeomorphic Assessments to Riverine Wetlands*. US Army Corps of Engineers, Washington, DC, USA.
- Brinson, M. M. 1993. *A hydrogeomorphic classification for wetlands*. US Army Corps of Engineer Waterways Experiment Station Vicksburg, MS, USA.
- Brown, P. M., and C. H. Sieg. 1996. Fire history in interior ponderosa pine communities of the Black Hills, South Dakota, USA. *International Journal of Wildland Fire*, 6(3):97-105.
- Brown, P. M., and C. H. Sieg. 1999. Historical variability in fire at the ponderosa pine-Northern Great Plains prairie ecotone, southeastern Black Hills, South Dakota. *Ecoscience* 6(4):539-547.
- Buckley, S. 2024. *South Dakota Wildlife Action Plan Revision: Relevancy Survey*. Report ID: 2024-11. South Dakota Department of Game, Fish and Parks, Pierre, South Dakota.
- Burgess, A. 2013. *Climate change vulnerability assessment of aquatic species of greatest conservation need in South Dakota*. Final Report Submitted to South Dakota Department of Game, Fish and Parks. 69 pp.
- Christensen C., and J. Stephens. 1967. *Geology and hydrology of Clay County, South Dakota*. South Dakota Geological Survey Bulletin 19, Vermillion, SD, USA.
- Clapp, D. F., R. D. Clark Jr, and J. S. Diana. 1990. Range, activity, and habitat of large, free-ranging brown trout in a Michigan stream. *Transactions of the American Fisheries Society* 119(6):1022-1034.
- Clark, T. W., T. M. Campbell III, D. G. Socha, and D. E. Casey. 1982. Prairie dog colony attributes and associated vertebrate species. *The Great Basin Naturalist* 42(4):572-582.

South Dakota Wildlife Action Plan 2025 Revision

- Clippinger, N. W. 1989. Habitat suitability index models: black-tailed prairie dog. US Department of the Interior, Fish and Wildlife Service, Biological Report 82(10.156). Fort Collins, CO, USA.
- CMP Direct Threats Classification v2.0. 2016. Conservation Standards website <https://conservationstandards.org/library-item/direct-threats-classification-v2-0/> [Accessed 3 March 2025]
- Cochrane, M., and C. Moran. 2011. Past, present, and future climates for South Dakota observed climatic variation from 1895-2010 and projected climate change to 2099. Report to South Dakota Department of Game, Fish and Parks. Wildlife Action Plan Climate Change Consultancy, Brookings, SD, USA.
- Cole, D. N., and P. B. Landres. 1995. Indirect effects of recreation on wildlife. Pages 183-202 *in* Wildlife and recreationists: Coexistence through management and research. Island Press, Washington, DC, USA.
- Collatz, G. J., J. A. Berry, and J.S. Clark. 1998. Effects of climate and atmospheric CO₂ partial pressure on the global distribution of C4 grasses: present, past, and future. *Oecologia* 114:441-454.
- Collins, S. L., and S. C. Barber. 1986. Effects of disturbance on diversity in mixed-grass prairie. *Vegetatio* 64:87-94.
- Cornell Lab of Ornithology, All About Birds. Website: <https://www.allaboutbirds.org/news/> [Accessed September-December 2024]
- Cowardin, L. 1979. Classification of wetlands and deepwater habitats of the United States. US Department of the Interior Fish and Wildlife Service Office of Biological Services, Washington, DC, USA.
- Crawford, M. R., M. D. Holder, and B. P. O'Connor. 2017. Using mobile technology to engage children with nature. *Environment and Behavior* 49(9):959-984.
- Cressey, R. 2016. Changes in wetland conditions and wetland plant communities in the Prairie Pothole Region after 50 years. M. S. Thesis, South Dakota State University, Brookings, SD, USA.
- Cushing, C.E., and J.D. Allan. 2001. Streams: Their ecology and life. Academic Press, San Diego, CA, USA.
- Dahl, T. E. 1990. Wetlands losses in the United States, 1780's to 1980's. US Department of the Interior, Fish and Wildlife Service, Washington, DC, USA.
- Dahl, T. E. 2011. Status and trends of wetlands in the conterminous United States 2004 to 2009. US Department of the Interior, US Fish and Wildlife Service, Fisheries and Habitat Conservation, Washington, DC, USA.
- Dahl, T. E. 2014. Status and trends of prairie wetlands in the United States 1997 to 2009. U.S. Department of the Interior, Fish and Wildlife Service, Ecological Services, Washington, DC, USA.
- Dahl, T. E., and C. E. Johnson. 1991. Wetlands, status and trends in the conterminous United States, Mid-1970's to Mid-1980's: First update of the national wetlands status report. US Department of the Interior, Fish and Wildlife Service, Washington, DC, USA.
- Daubenmire, R. 1968a. Ecology of fire in grasslands. *Advances in Ecological Research* 5:209-266.
- Daubenmire, R. 1968b. Plant communities. A textbook of plant synecology. Harper and Row.
- Daubenmire, R. 1970. Steppe vegetation of Washington. Scanned version available: https://content.libraries.wsu.edu/digital/collection/palouse_dig/id/6354 [Accessed 3 March 2025]
- Deneke, D. L., M. Moechnig, B. Sievers, and R. Moehring. 2010. Purple Loosestrife and Invasive European Common Reed: Threats to South Dakota's Wetlands and Waterways. SDSU Extension Fact Sheets. 157. https://openprairie.sdstate.edu/extension_fact/157
- Derner, J. D., W. K. Lauenroth, P. Stapp, and D. J. Augustine. 2009. Livestock as ecosystem engineers for grassland bird habitat in the western Great Plains of North America. *Rangeland Ecology & Management* 62(2):111-118.
- Dertien, J. S., C. L. Larson, and S. E. Reed. 2021. Recreation effects on wildlife: a review of potential quantitative thresholds. *Nature Conservation* 44:51-68.

South Dakota Wildlife Action Plan 2025 Revision

- Dieter, C. D. 1991. Water turbidity in tilled and untilled prairie wetlands. *Journal of Freshwater Ecology* 6(2):185-189.
- Dieter, C. D., and T. R. McCabe. 1989. Factors influencing beaver lodge-site selection on a prairie river. *American Midland Naturalist* 122(2):408-411.
- DiTomaso, J. M. 2000. Invasive weeds in rangelands: species, impacts, and management. *Weed Science* 48(2):255-265.
- Downing, J. A., P. Van Meter, and D. A. Woolnough. 2010. Suspects and evidence: A review of the causes of extirpation and decline in freshwater mussels. *Animal Biodiversity and Conservation* 33:151–185.
- Dukes, J. S. 2007. Tomorrow's plant communities: different, but how? *New Phytologist* 176(2):235-237.
- Dumanski, S., J. W. Pomeroy, and C. J. Westbrook. 2015. Hydrological regime changes in a Canadian Prairie wetland basin. Special Issue *Canadian Geophysical Union* 29(18):3893-3904.
- Earl, D. J., E. C. Branch, A. A. Cole-Wick, Y. M. Lee, L. M. Rowe, P. J. Badra, C. M. Wilton, D. L. Cuthrell, and N. H. Sexton. 2024. Assessing climate vulnerability & adaptive capacity of midwest species of greatest conservation need. Michigan Natural Features Inventory (MNFI) and Michigan State University Extension. MNFI report # 2024-37. Lansing, MI, USA.
- Egan, D., and E. A. Howell. 2005. *The historical ecology handbook: a restorationist's guide to reference ecosystems*. Island Press, Washington, DC, USA.
- Ehleringer, J. R., T. E. Cerling, and B. R. Helliker. 1997. C4 photosynthesis, atmospheric CO₂, and climate. *Oecologia* 112:285-299.
- EIA (Energy Information Administration) EIA.gov. 2024. South Dakota - State Energy Profile Analysis – U.S. Energy Information Administration (EIA). [online] Available at: <https://www.eia.gov/state/analysis.php?sid=SD> [Accessed 17 Oct. 2024]
- Eisen, H., D. Morgan, K. Paul, and K. Boyd. 2021. Environmental impacts of winter recreation. Available at Winter Wildlands Alliance website: <https://winterwildlands.org/> [Accessed 3 March 2025]
- Emili, L. A., and R. P. Greene. 2014. New cropland on former rangeland and lost cropland from urban development: the “replacement land” debate. *Land* 3(3):658-674.
- Epstein, H., W. Lauenroth, I. Burke, and D. Coffin, D. 1997. Productivity patterns of C3 and C4 functional types in the US Great Plains. *Ecology* 78(3):722-731.
- ETC Institute. 2024. 2024 South Dakota Wildlife Action Plan Public Opinion Survey Findings Report. Report prepared for South Dakota Department of Game, Fish and Parks.
- Farrar, Dr. Donald. Dept. of Botany, Iowa State University, Ames, IA. Pers. comm. of April 27, 1995, with Kathy Crowley, MRO.
- Fink, D., T. Auer, A. Johnston, M. Strimas-Mackey, S. Ligocki, O. Robinson, W. Hochachka, L. Jaromczyk, C. Crowley, K. Dunham, A. Stillman, I. Davies, A. Rodewald, V. Ruiz-Gutierrez, C. Wood. 2023. eBird Status and Trends, Data Version: 2022; Released: 2023. Cornell Lab of Ornithology, Ithaca, NY, USA. <https://doi.org/10.2173/ebirdst.2022>.
- Flather, C. H., K. R. Wilson, and S. A. Shriner. 2009. Geographic approaches to biodiversity conservation: Implications of scale and error to landscape planning. Pages 85-121 *in* J. J. Millspaugh and F.R. Thompson, III, editors. *Models for planning wildlife conservation in large landscapes*. Elsevier Inc., Burlington, MA, USA.
- FMCS (Freshwater Mollusk Conservation Biology). 2023. Scientific and common names of freshwater bivalves of the United States and Canada. [online] Available at: https://molluskconservation.org/Library/Committees/Names/Appendix_1_Bivalves_Revised_Names_List_20230928_draft.pdf [Accessed March 4, 2025].
- Ford, T. E., and R. J. Naiman. 1988. Alteration of carbon cycling by beaver: methane evasion rates from boreal forest streams and rivers. *Canadian Journal of Zoology* 66(2):529-533.
- Frank, D. A., S. J. McNaughton, and B. F. Tracy. 1999. The ecology of the earth's grazing ecosystems.

South Dakota Wildlife Action Plan 2025 Revision

- BioScience 48(7):513-521.
- Franklin, J. F. 1993. Preserving biodiversity: species, ecosystems or landscapes. *Ecological Applications* 3:202-205.
- Franklin, J., K. Cromack, Jr, W. Denison, A. McKee, C. Maser, J. Sedell, F. Swanson, and G. Juday. 1981. Ecological characteristics of old-growth Douglas-fir forests. United States Forest Service General Technical Report PNW-118, 802, 491-498.
- Frazer, L. 2005. Paving paradise: the peril of impervious surfaces. *Environ Health Perspect.* Jul 2005;113(7):A456-62.
- Frest, T. J., and E. J. Johannes. 1993. Land snail survey of the Black Hills National Forest, South Dakota and Wyoming. Deixis Consultants.
- Frest, T. J., and E. J. Johannes. 2002. Land snail survey of the Black Hills National Forest, South Dakota and Wyoming, summary report, 1991-2001. Final report to the USDA Forest Service, Black Hills National Forest. Deixis Consultants, 2517.
- Friedman, J. M., M. L. Scott, and G. T. Auble. 1997. Water management and cottonwood forest dynamics along prairie streams. Pages 49-71 in F. L. Knopf, and F. B. Samson, editors. *Ecological Studies* 125:Ecology and conservation of Great Plains vertebrates.
- Fuhlendorf, S. D., and D. M. Engle. 2001. Restoring heterogeneity on rangelands: ecosystem management based on evolutionary grazing patterns: we propose a paradigm that enhances heterogeneity instead of homogeneity to promote biological diversity and wildlife habitat on rangelands grazed by livestock. *BioScience* 51(8):625-632.
- Galat, D. L., J. W. Robinson, and L. W. Hesse. 1996. Restoring aquatic resources to the Lower Missouri River: issues and initiatives. Pages 49–72 in D. L. Galat and A. G. Frazier, editors. *Overview of river-floodplain ecology in the Upper Mississippi River Basin*. V. 3 of J. A. Kelmelis, editor. Science for floodplain management into the 21st century. U.S. Govt. Printing Office, Washington, DC, USA.
- Galat, D. L., C. R. Berry, W. M. Gardner, J. C. Henderson, G. E. Mestl, G. J. Power, C. Stone, and M. R. Winston. 2005. Spatiotemporal patterns and changes in Missouri River fishes. Pages 249-291 in J. N. Rinne, R. M. Hughes, and B. Calamusso, editors. *Historical changes in large river fish assemblages of the Americas*. American Fisheries Society Symposium 45.
- Geluso, K., T. R. Mollhagen, J. M. Tigner, and M. A. Bogan. 2005. Westward expansion of the eastern pipistrelle (*Pipistrellus subflavus*) in the United States, including new records from New Mexico, South Dakota, and Texas. *Western North American Naturalist* 65(3):405-409.
- George, C. W., D. E. Medin, S. W. Barrett, and W. S. Platts. 1988. Beaver in western North America: an annotated bibliography, 1966 to 1986. US Department of Agriculture, Forest Service, Intermountain Research Station, Ogden, UT, USA.
- Goolsby, D. A., W. A. Battaglin, G. B. Lawrence, R. S. Artz, B. T. Aulenbach, R. P. Hooper, D. R. Keeny, and G. J. Stensland. 1999. Flux and sources of nutrients in the Mississippi-Atchafalaya River Basin: Topic 3 report for the integrated assessment on hypoxia in the Gulf of Mexico. US National Ocean Service, NOAA Coastal Ocean Program Decision Analysis Series No 17, Silver Spring, MD, USA.
- Goulson, D. 2013. An overview of the environmental risks posed by neonicotinoid insecticides. *Journal of Applied Ecology* 50(4):977-987.
- Grafe, E., and P. Horsted. 2002. Exploring with Custer—The 1874 Black Hills Expedition. Golden Valley Press, Custer, SD, USA.
- Grant, T. A., T. L. Shaffer, and B. Flanders. 2020. Resiliency of native prairies to invasion by Kentucky bluegrass, smooth brome, and woody vegetation. *Rangeland Ecology & Management* 73(2):321-328.
- Grumbine, R. E. 1994. What is ecosystem management? *Conservation Biology* 8:27-38.
- Gue, C. T., J. A. Walker, K. R. Mehl, J. S. Gleason, S. E. Stephens, C. R. Loesch, R. E. Reynolds, and B. J. Goodwin. 2013. The effects of a large-scale wind farm on breeding season survival of female

South Dakota Wildlife Action Plan 2025 Revision

- mallards and blue-winged teal in the Prairie Pothole Region. *The Journal of Wildlife Management* 77(7):1360-1371.
- Hak, J. C., and P. J. Comer. 2017. Modeling landscape condition for biodiversity assessment—Application in temperate North America. *Ecological Indicators* 82:206-216.
- Hamin, E. M., and N. Gurrán. 2009. Urban form and biodiversity: a review of the literature. *Landscape and Urban Planning* 93(3):151-159.
- Hanski, I. A., and O. E. Gaggiotti. 2004. *Ecology, genetics and evolution of metapopulations*. Academic Press.
- Hartfield, K. A., and W. J. Van Leeuwen. 2018. Woody Cover Estimates in Oklahoma and Texas Using a Multi-Sensor Calibration and Validation Approach. *Remote Sensing* 10(4):632.
- Hartnet, D., A. Steuter, and K. Hickman. 1997. Comparative ecology of native and introduced ungulates. Pages 72-105 in F. L. Knopf and F. B. Samson, editors. *Ecology and conservation of Great Plains vertebrates*. Springer-Verlag, NY, USA.
- Hartnett, D. C., K. R. Hickman, and L. Walter. 1996. Effects of bison grazing, fire, and topography on floristic diversity in tallgrass prairie. *Rangeland Ecology & Management/Journal of Range Management Archives* 49(5):413-420.
- Harvey, B. C. 1991. Interactions among stream fishes: predator-induced habitat shifts and larval survival. *Oecologia* 87:29-36.
- Hattersley, P. 1983. The distribution of C3 and C4 grasses in Australia in relation to climate. *Oecologia* 57:113-128.
- Haufler, J. B. 1999. Strategies for conserving terrestrial biological diversity. Pages 17-30 in R. Baydack, H. Campa, and J. Haufler, editors. *Practical approaches to the conservation of biological diversity*. Island Press, Washington, DC, USA.
- Haufler, J. B., C. A. Mehl, and G. J. Roloff. 1996. Using a coarse-filter approach with species assessment for ecosystem management. *Wildlife Society Bulletin* 24:200-08.
- Haynes, E., and M. Kunkel. No date. *Wildlife Health*. Created by Regional Wildlife Health Coordinators for Southeast and Northeast Associations of Fish and Wildlife Agencies for Wildlife Action Plan Revisions.
- Healy, W. M. 2002. Performance measures for ecosystem management and ecological sustainability (Vol. 2). *Wildlife Society, Technical Review 02-1*. Wildlife Society, Bethesda, MD, USA.
- Henderson, F. R., P. F. Springer, and R. Adrian. 1969. *The black footed ferret in South Dakota*. South Dakota Department of Game, Fish and Parks, Pierre, SD, USA.
- Higgins, K. F. 1984. Lightning fires in North Dakota grasslands and in pine-savannah lands of South Dakota and Montana. *Rangeland Ecology & Management/Journal of Range Management Archives* 37(2):100-103.
- Higgins, K. F. 1986. Interpretation and compendium of historical fire accounts in the Northern Great Plains. *Resource Publication 16*. USDI Fish and Wildlife Service, Washington, DC, USA.
- Higgins, K. F., E. D. Stukel, J. M. Goulet, and D. C. Backlund. 2000. *Wild mammals of South Dakota*. South Dakota Department of Game, Fish and Parks, Pierre, SD, USA.
- Hoagstrom C. W., S. S. Wall, J. G. Kral, B. G. Blackwell, and C. R. Berry. 2007. Zoogeographic patterns and faunal change of South Dakota fishes. *Western North American Naturalist* 67:161–184.
- Holm, J. 2023. Impacts of Eastern Redcedar *Juniperus virginiana* L. on Avian Communities in Eastern South Dakota. *Schultz-Werth Award Papers*. 40, Brookings, SD, USA.
- Hoogstraal, G. K. 2020. Stormwater quality of infrastructure elements in Rapid City, South Dakota, 2016–18. *Scientific Investigations Report 2020-5004*. U.S. Geological Survey, Reston, VA, USA.
- Horsted, P. 2006. *The Black Hills Yesterday and Today*. Dakota Photographic LLC and Golden Valley Press, Custer, SD, USA.
- Horton, A.H., and R. Follansbee. 1906. *Surface water supply of upper Mississippi river and Hudson Bay*

South Dakota Wildlife Action Plan 2025 Revision

- drainages. US Department of Interior, US Geological Survey, Water Supply Paper 207.
- Hunter, M. L. 1991. Coping with ignorance: The coarse filter strategy for maintaining biodiversity. Pages 266-281 in K. A. Kohm, editor. *Balancing on the Brink of Extinction*. Island Press, Washington, DC, USA.
- Hutto, R. L., S. Reel, and P. B. Landres. 1987. A critical evaluation of the species approach to biological conservation. *Endangered Species Update* 4:1-4.
- IEA (International Energy Agency) IEA.org . 2023. Renewables 2023 Analysis and forecast to 2028. [online] Available at: https://iea.blob.core.windows.net/assets/96d66a8b-d502-476b-ba94-54ffda84cf72/Renewables_2023.pdf [Accessed 17 Oct. 2024]
- IUCN Red List of Threatened Species. Website: <https://www.iucnredlist.org/> [Accessed 6 January 2025]
- Janke, A. K. 2016. A physiological assessment of wetland habitats for spring-migrating ducks in the agricultural landscapes of the southern Prairie Pothole Region. PhD Dissertation, South Dakota State University, Brookings, SD, USA.
- Jenkins, S. H., and P. E. Busher. 1979. *Castor canadensis*. *Mammalian species* (120):1-8.
- Jeschke, P., and R. Nauen. 2008. Neonicotinoids—from zero to hero in insecticide chemistry. *Pest Management Science: formerly Pesticide Science* 64(11):1084-1098.
- Johnson, R. R., and K. F. Higgins. 1997. Wetland Resources of Eastern South Dakota. South Dakota State University and South Dakota Cooperative Fish and Wildlife Research Unit, Brookings, SD, USA.
- Johnson, W. C., and D. H. Knight. 2022. *Ecology of Dakota Landscapes: Past, Present, and Future*. Yale University Press, New Haven, CT, USA.
- Johnson, W. C., B. V. Millett, T. Gilmanov, R. A. Voldseth, G. R. Guntenspergen, and D. E. Naugle. 2005. Vulnerability of northern prairie wetlands to climate change. *BioScience* 55(10):863-872.
- Johnson, W. C., B. Werner, G. R. Guntenspergen, R. A. Voldseth, B. Millett, D. E. Naugle, M. Tulbure, R. W. Carroll, J. Tracy, and C. Olawsky. 2010. Prairie wetland complexes as landscape functional units in a changing climate. *BioScience* 60(2):128-140.
- Johnston, C. A., and R. J. Naiman. 1990a. Aquatic patch creation in relation to beaver population trends. *Ecology* 71(4):1617-1621.
- Johnston, C. A., and R. J. Naiman. 1990b. Browse selection by beaver: effects on riparian forest composition. *Canadian Journal of Forest Research* 20(7):1036-1043.
- Johnston, C. A. 2013. Wetland Losses Due to Row Crop Expansion in the Prairie Pothole Region. *Wetlands* 33:175-182.
- Jones, J. I., J. Murphy, A. Collins, D. Sear, P. Naden, and P. Armitage. 2012. The impact of fine sediment on macro-invertebrates. *River Research and Applications* 28(8):1055-1071.
- Jones, K.A., L. S. Niknami, S. G. Buto, and D. Decker. 2022. Federal standards and procedures for the national Watershed Boundary Dataset (WBD) (5 ed.): U.S. Geological Survey Techniques and Methods 11-A3, 54 p., <https://doi.org/10.3133/tm11A3>.
- Junk, W. J., P. B. Bayley, and R. E. Sparks. 1989. The flood pulse concept in river-floodplain systems. *Canadian Special Publication of Fisheries and Aquatic Sciences* 106(1):110-127.
- Kaczynski, A. T., and K. A. Henderson. 2007. Environmental correlates of physical activity: a review of evidence about parks and recreation. *Leisure Sciences* 29(4):315-354.
- Kaur, R., O. Joshi, and R. E. Will. 2020. The ecological and economic determinants of eastern redcedar (*Juniperus virginiana*) encroachment in grassland and forested ecosystems: a case study from Oklahoma. *Journal of Environmental Management* 254:109815.
- Kaye, M. W., C. A. Woodhouse, and S. T. Jackson. 2010. Persistence and expansion of ponderosa pine woodlands in the west-central Great Plains during the past two centuries. *Journal of Biogeography* 37(9):1668-1683.
- Keane, R. E., P. F. Hessburg, P. B. Landres, and F. J. Swanson. 2009. The use of historical range and variability (HRV) in landscape management. *Forest Ecology and Management* 258(7):1025-1037.

South Dakota Wildlife Action Plan 2025 Revision

- Kemp, P., and J. O'Hanley. 2010. Procedures for evaluating and prioritizing the removal of fish passage barriers: a synthesis. *Fisheries Management and Ecology* 17(4):297-322.
- Kerlinger, P., J. Burger, H. K. Cordell, D. J. Decker, D. N. Cole, P. Landres, E. N. Smith, J. Brett, R. Larson, and T. O'Shea. 2013. *Wildlife and recreationists: coexistence through management and research*. Island Press.
- Klatt, L. E., and D. Hein. 1978. Vegetative differences among active and abandoned towns of black tailed prairie dogs (*Cynomys ludovicianus*). *Rangeland Ecology & Management/Journal of Range Management Archives* 31(4):315-317.
- Knapp, A. K., J. M. Blair, J. M. Briggs, S. L. Collins, D. C. Hartnett, L. C. Johnson, and E. G. Towne. 1999. The keystone role of bison in North American tallgrass prairie: Bison increase habitat heterogeneity and alter a broad array of plant, community, and ecosystem processes. *BioScience* 49(1):39-50.
- Knopf, F. L., and F. B. Samson. 1996. *Prairie conservation: preserving North America's most endangered ecosystem*. Island Press.
- Kucera, C. L. 1978. Grasslands and fire. Pages 90-111-*in* Proceedings of Conference on fire regimes and ecosystem properties. General Technical Report WO-26
- LaBaugh, J. W., T. C. Winter, and D. O. Rosenberry. 1998. Hydrologic functions of prairie wetlands. *Great Plains Research* 8 (Spring 1998):17-37.
- Lett, M. S., and A. K. Knapp. 2005. Woody plant encroachment and removal in mesic grassland: production and composition responses of herbaceous vegetation. *The American Midland Naturalist* 153(2):217-231.
- Loesch, C. R., J. A. Walker, R. E. Reynolds, J. S. Gleason, N. D. Niemuth, S. E. Stephens, and M. A. Erickson. 2013. Effect of wind energy development on breeding duck densities in the Prairie Pothole Region. *Journal of Wildlife Management* 77(3):587-598.
- Lopez-Antia, A., M. E. Ortiz-Santaliestra, F. Mougeot, and R. Mateo. 2015. Imidacloprid-treated seed ingestion has lethal effect on adult partridges and reduces both breeding investment and offspring immunity. *Environmental Research* 136:97-107.
- Lorenzen, J. A. 2016. Fish ladders designed for drop culverts and Central Stoneroller ecology across a latitudinal gradient. M. S. Thesis, South Dakota State University, Brookings, SD, USA.
- Lott, D. F., and H. W. Greene. 2002. *American bison: a natural history* (Vol. 6). University of California Press.
- Lundqvist, H., P. Rivinoja, K. Leonardsson, and S. McKinnell. 2008. Upstream passage problems for wild Atlantic salmon (*Salmo salar* L.) in a regulated river and its effect on the population. *Hydrobiologia* 602(1):111-127.
- MacArthur, R. H., and E. O. Wilson. 200). *The theory of island biogeography* (Vol. 1). Princeton University Press.
- 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.
- Main, A. R., J. Fehr, K. Liber, J. V. Headley, K. M. Peru, and C. A. Morrissey. 2017. Reduction of neonicotinoid insecticide residues in Prairie wetlands by common wetland plants. *Science of the Total Environment* 579:1193-1202.
- Margules, C. R. 1989. Introduction to some Australian developments in conservation evaluation. *Biological Conservation* 50:1-11.
- Marion, J. L. 2019. Impacts to wildlife: Managing visitors and resources to protect wildlife. Interagency Visitor Use Management Council 1:1-18.
- Marrone, G. M. 2023. *Field Guide to Butterflies of South Dakota – Second Edition*. South Dakota Dept. of Game, Fish and Parks, Pierre, SD, USA.
- May, H. L. 2003. *Black-tailed Prairie Dog (Cynomys ludovicianus)*. Natural Resources Conservation Service, Wildlife Habitat Management Institute.

South Dakota Wildlife Action Plan 2025 Revision

- McCaffery, K. R., and J. A. Tilley. 2002. Impact of recreational use on soil erosion in riparian areas. *Wetlands* 22(4):849-855.
- McCartney, M. P. 2002. Freshwater ecosystem management: from theory to application. *International Journal of Water* 2(1):1-16.
- McCauley, L. A., M. J. Anteau, M. P. van der Burg, and M. T. Wiltermuth. 2015. Land use and wetland drainage affect water levels and dynamics of remaining wetlands. *Ecosphere* 6(6):1-22.
- MacDonald, J., and P. Davies. 2007. Improving the upstream passage of two galaxiid fish species through a pipe culvert. *Fisheries Management and Ecology* 14(3):221-230.
- McDonald, R. I., J. Fargione, J. Kiesecker, W. M. Miller, and J. Powell. 2009. Energy sprawl or energy efficiency: climate policy impacts on natural habitat for the United States of America. *PloS one* 4(8), e6802.
- McDowell, D. M., and R. J. Naiman. 1986. Structure and function of a benthic invertebrate stream community as influenced by beaver (*Castor canadensis*). *Oecologia* 68:481-489.
- McFadden, J. R., D. J. Smith, and S. Wallander. 2022. Weather, climate, and technology adoption: an application to Drought-Tolerant corn in the United States. National Bureau of Economic Research, Working Paper 30121; DOI 10.3386/w30121.
- Merigliano, M. F. 1996. Ecology and management of the South Fork Snake River cottonwood forest. Bureau of Land Management, Technical Bulletin 96-9, Boise, ID, USA.
- Miller, B., G. Ceballos, and R. Reading. 1994. The prairie dog and biotic diversity. *Conservation Biology* 8(3):677-681.
- Miller, J. R., T. T. Schulz, N. T. Hobbs, K. R. Wilson, D. L. Schrupp, and W. L. Baker. 1995. Changes in the landscape structure of a southeastern Wyoming riparian zone following shifts in stream dynamics. *Biological Conservation* 72(3):371-379.
- Miller, R. F., and J. A. Rose. 1999. Fire history and western juniper encroachment in sagebrush steppe. *Rangeland Ecology & Management/Journal of Range Management Archives* 52(6):550-559.
- MLI (Midwest Landscape Initiative). 2024. Midwest Landscape Initiative Conservation Blueprint. Retrieved 9/25/24 from <https://www.mlimidwest.org/>
- Morgan, J. A., J. D. Derner, D. G. Milchunas, and E. Pendall. 2008. Management implications of global change for Great Plains rangelands. *Rangelands* 30(3):18-22.
- Morgan, P., G. H. Aplet, J. B. Haufler, H. C. Humphries, M. M. Moore, and W. D. Wilson. 1994. Historical range of variability: a useful tool for evaluating ecosystem change. *Journal of Sustainable Forestry* 2(1-2):87-111.
- Morris L.A., R.N. Langemeier, T.R. Russell, and A. Witt, Jr. 1968. Effects of main stem impoundments and channelization upon the limnology of the Missouri River, Nebraska. *Transactions of the American Fisheries Society* 97:380–388.
- Naiman, R. J., C. A. Johnston, and J. C. Kelley. 1988. Alteration of North American streams by beaver. *BioScience* 38(11):753-762.
- NANPCA (Nonindigenous Aquatic Nuisance Prevention and Control Act). 1990. PL 101- 646, Washington, DC, USA.
- National Park Service. 2017. Impact of Recreation on Soil and Vegetation. Badlands National Park.
- National Park Service. No date. Air quality profiles: Badlands National Park. U.S. Department of the Interior. Retrieved October 18, 2024, from <https://home.nps.gov/articles/airprofiles-badl.htm>
- NatureServe Explorer; <https://explorer.natureserve.org/> [Accessed September-December 2024]
- NOAA National Centers for Environmental information, Climate at a Glance: Statewide Time Series, published August 2024, retrieved on August 27, 2024 from <https://www.ncei.noaa.gov/access/monitoring/climate-at-a-glance/statewide/time-series>
- North American Bird Conservation Initiative. 2025. The State of the Birds, United States of America, 2025. [StateoftheBirds.org](https://stateofthebirds.org)

South Dakota Wildlife Action Plan 2025 Revision

- Noss, R. F. 1990. Indicators for monitoring biodiversity: a hierarchical approach. *Conservation Biology* 4:355-364.
- Noss, R. F. 1991. From endangered species to biodiversity. Pages 227-246 in K. Kohm, editor. *Balancing on the brink of extinction: the Endangered Species Act and lessons for the future*. Island Press, Washington, DC, USA.
- Noss, R. F., and J. M. Scott. 1995. *Endangered ecosystems of the United States: a preliminary assessment of loss and degradation* (Vol. 28). US Department of the Interior, National Biological Service.
- NRCS (Natural Resources Conservation Service). 1997. *National range and pasture handbook*. Washington, DC: United States Department of Agriculture - Natural Resources Conservation Service.
- NRCS. 2006. *Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin*. Washington, DC: United States Department of Agriculture - Natural Resources Conservation Service.
- NRCS. 2022. *Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin*. United States Department of Agriculture - Natural Resources Conservation Service, Agriculture Handbook 296, Washington, DC, USA.
- NREL Transforming Energy. 2023. NREL Transforming Energy. Retrieved 12/27/24 from <https://www.nrel.gov/>
- Ode, D. J., and D. Backlund. 1999. *Biological Survey of the Badlands Bombing Range Shannon County, South Dakota*. A Report to Ellsworth Air Force Base, South Dakota. South Dakota Natural Heritage Program, South Dakota Game, Fish and Parks Department, Pierre, SD, USA.
- Ojima, D. S., J. M. Lockett, and the Central Great Plains Steering Committee and Assessment Team. 2002. *Preparing for a Changing Climate: The Potential Consequences of Climate Variability and Change – Central Great Plains*. Report for the US Global Change Research Program. Colorado State University. Fort Collins, CO, USA.
- Oslund, F. T., R. R. Johnson, and D. R. Hertel. 2010. Assessing wetland changes in the Prairie Pothole Region of Minnesota from 1980 to 2007. *Journal of Fish and Wildlife Management* 1(2):131-135.
- Ott, J. P., B. B. Hanberry, M. Khalil, M. W. Paschke, M. P. van der Burg, and A. J. Prenni. 2021. Energy development and production in the Great Plains: Implications and mitigation opportunities. *Rangeland Ecology & Management* 78:257-272.
- Parrish, J., D. Herman, and D. Reyher. 1996. *A Century of Change in the Black Hills Forest and Riparian Ecosystems*. South Dakota Agricultural Experiment Station/US Forest Service. Brookings, SD, USA.
- Parsley, K. M. 2020. Plant awareness disparity: A case for renaming plant blindness. *Plants, People, Planet* 2(6):598-601.
- Paul, M., S. LeDuc, M. Lassiter, L. Moorhead, P. Noyes, and S. Leibowitz. 2022. Wildfire induces changes in receiving waters: A review with considerations for water quality management. *Water Resources Research* 58(9), e2021WR030699.
- Pegg, M.A., C.L. Pierce, and A. Roy. 2003. Hydrological alteration along the Missouri River Basin: a time series approach. *Aquatic Sciences* 65:63–72.
- Pess, G., T. Beechie, J. Williams, D. Whittall, J. Lange, and J. Klochak. 2003. Strategies for restoring river ecosystems: Sources of variability and uncertainty in natural and managed systems. 8. Watershed assessment techniques and the success of aquatic restoration activities. *American Fisheries Society*:185-201.
- Pirner, S. M. 2018. *The 2018 South Dakota integrated report for surface water quality assessment*. SD Department Environmental Natural Resources, Pierre, SD, USA.
- Poiani, K. A., W. C. Johnson, and T. G. Kittel. 1995. Sensitivity of a prairie wetland to increased temperature and seasonal precipitation changes. *Journal of the American Water Resources Association* 31(2):283-294.

- Poiani, K. A., B. D. Richter, M. G. Anderson, and H. E. Richter. 2000. Biodiversity conservation at multiple scales: functional sites, landscapes, and networks. *BioScience* 50(2):133-146.
- Pollock, M. M., R. J. Naiman, and T. A. Hanley. 1998. Plant species richness in riparian wetlands—a test of biodiversity theory. *Ecology* 79(1):430-452.
- Reeves, G. H., L. E. Benda, K. M. Burnett, P. A. Bisson, and J. R. Sedell. 1995. A disturbance-based ecosystem approach to maintaining and restoring freshwater habitats of evolutionarily significant units of anadromous salmonids in the Pacific Northwest. *American Fisheries Society Symposium* 17:334-349.
- Richter, B. D., D. P. Braun, M. A. Mendelson, and L. L. Master. 1997. Threats to imperiled freshwater fauna: Amenazas a la fauna dulceacuicola en riesgo. *Conservation Biology* 11(5):1081-1093.
- Rosa, C. D., C. C. Profice, and S. Collado. 2018. Nature experiences and adults' self-reported pro-environmental behaviors: the role of connectedness to nature and childhood nature experiences. *Frontiers in Psychology* 9; article 1055. <https://doi.org/10.3389/fpsyg.2018.01055>
- Runia, T. J., A. J. Solem, N. D. Niemuth, and K. W. Barnes. 2001. Spatially explicit habitat models for prairie grouse: Implications for improved population monitoring and targeted conservation. *Wildlife Society Bulletin* 45(1):36-54.
- Sage, R. F., D. A. Wedin, and M. Li. 1999. 10 - The biogeography of C4 photosynthesis: patterns and controlling factors. *C4 Plant Biology* 10:313-376.
- Samson, F. B. 2002. Population viability analysis, management, and conservation planning at large scales. Pages 425-441 in S. R. Beissinger and D. R. McCullough, editors. *Population Viability Analysis*. University of Chicago Press, Chicago, IL, USA.
- Sanyal, D., A. Mukherjee, A. Rahhal, J. Wolthuizen, D. Karki, J. D. Clark, and A. Bly. 2023. Cover crops did not improve soil health but hydroclimatology may guide decisions preventing cash crop yield loss. *Frontiers in Soil Science* 3:1111821.
- Sauer, S. P., and F. D. Masch. 1969. Methods for Evaluating the Effects of Upstream Flood Control Measures on Watershed Yield.
- Savage, B.M., and S. Brenchley. 2013. Fish passage using broad-crested labyrinth weirs for low-head dams. *International Journal of River Basin Management* 11(3):277-286.
- Sawyer, H., F. Lindzey, D. McWhirter, and K. Andrews. 2002. Potential effects of oil and gas development on mule deer and pronghorn populations in western Wyoming. *US Bureau of Land Management Papers*. 5.
- Saxon, E. 2003. Adapting ecoregional plans to anticipate the impact of climate change. Pages 345-365 in *Drafting a Conservation Blueprint: A Practitioner's Guide to Planning for Biodiversity*. Island Press, Washington, DC, USA.
- Buseck, R. S., and D. A. Keinath. 2004. Species assessment for Western long-eared myotis (*Myotis evotis*) in Wyoming. United States Department of Interior, Bureau of Land Management, Cheyenne, WY, USA.
- Schlafke, K. E., M. D. Wagner, and C. A. Pasbrig. 2024. History of Ichthyology in the Dakotas. Pages 19-27 in M. Barnes, editor. *Fishes of the Dakotas*. Springer.
- Schlosser, I. J. 1995. Dispersal, boundary processes, and trophic-level interactions in streams adjacent to beaver ponds. *Ecology* 76(3):908-925.
- Schmetterling, D. A., C. G. Clancy, and T. M. Brandt. 2001. Effects of Riprap Bank Reinforcement on Stream Salmonids in the Western United States. *Fisheries* 26(7):6-13.
- Schneider, D. W., C. D. Ellis, and K. S. Cummings. 1998. A transportation model assessment of the risk to native mussel communities from zebra mussel spread. *Conservation Biology* 12:788-800.
- SDBWG (South Dakota Bat Working Group). South Dakota Bat Management Plan. South Dakota Bat Working Group, SDGFP, Wildlife Division Report 2004-08.
- SD DENR.SD.gov. (2018b). [online] South Dakota Oil & Gas Development/Preparedness Executive Branch

South Dakota Wildlife Action Plan 2025 Revision

- Work Groups – Summary of Findings. Available at:
<https://danr.sd.gov/Environment/MineralsMining/OilGas/docs/Oil%20%20Gas%20Work%20Group%20Summary%202012.pdf> [Accessed October 17, 2024].
- Seaber, P. R., F. P. Kapinos, and G. L. Knapp. 1994. Hydrologic Unit Maps. United States Geological Survey Water-Supply Paper 2294. U.S. GPO: Washington, DC, USA.
- Shaffer, J. A., and D. A. Buhl. 2016. Effects of wind-energy facilities on breeding grassland bird distributions. *Conservation Biology* 30(1):59-71.
- Shaw, J. H. 1995. How many bison originally populated western rangelands? *Rangelands Archives* 17(5):148-150.
- Shearer J. S., and C. R. Berry, Jr. 2002. Index of biotic integrity utility for the fishery of the James River of the Dakotas. *Journal of Freshwater Ecology* 17:575–588.
- Shepperd, W. D. 2002. Ecology, silviculture, and management of Black Hills ponderosa pine. US Department of Agriculture, Forest Service, Rocky Mountain Research Station.
- Sieg, C. H. 1995. The role of fire in managing for biological diversity on native rangelands of the northern Great Plains. Pages 31-38 in D. W. Uresk, G. L. Schenbeck; J. T. O'Rourke, tech coords. *Conserving biodiversity on native rangelands: symposium proceedings*; August 17, 1995; Fort Robinson State Park, Ne. Gen. Technical Report RM-GTR-298. Fort Collins, CO: US Department of Agriculture, Forest Service, Rocky Mountain Forest and Range Experiment Station.
- SME (Society for Mining, Metallurgy & Exploration). 2022. Mining and Water Quality. <https://www.smenet.org/What-We-Do/Technical-Briefings/Mining-Water-Quality>
- Solar Energy Industries Association. 2023. South Dakota Solar Market Overview. <https://seia.org/state-solar-policy/south-dakota-solar/>
- Soper, J. D. 1941. History, range, and home life of the northern bison. *Ecological Monographs* 11(4):348-412.
- South Dakota Department of Agriculture and Natural Resources (SD DANR). 2024. The 2024 South Dakota Integrated Report Surface Water Quality Assessment. Prepared by DANR.
- South Dakota Department of Environment and Natural Resources. 2021. Air quality in South Dakota. Retrieved from <https://danr.sd.gov/Environment/AirQuality/default.aspx>
- South Dakota Department of Game, Fish and Parks. 2006. Comprehensive Wildlife Conservation Plan. Wildlife Division Report 2006-08. SD Dept. of Game, Fish and Parks, Pierre, SD, USA.
- South Dakota Department of Game, Fish and Parks. 2014. South Dakota Wildlife Action Plan. Wildlife Division Report 2014-03. South Dakota Dept. of Game, Fish and Parks, Pierre, SD, USA.
- SDPB (South Dakota Public Broadcasting). 2021. Urban areas, diversity grow in South Dakota. <https://www.sdpb.org/news-and-information/2021-08-18/urban-areas-diversity-grow-in-south-dakota> accessed 19 Feb 2025.
- South Dakota Wildlife Action Plan Explorer, South Dakota Dept. of Game, Fish and Parks. Website: <https://apps.sd.gov/gf43wap/> [Accessed September-December 2024]
- Southwick Associates. 2022. Economic contributions of OHV recreations -Black Hills Region. <https://www.southwickassociates.com/2022-econ-black-hills/>
- Sparks, R. E., and A. Spink. 1998. Disturbance, succession and ecosystem processes in rivers and estuaries: effects of extreme hydrologic events. *Regulated Rivers: Research & Management: An International Journal Devoted to River Research and Management* 14(2):155-159.
- Spomer, S. M. 2004. A new subspecies of *Cicindela nevadica* LeConte (Coleoptera: Carabidae: Cicindelinae) from the badlands of South Dakota. *The Coleopterists Bulletin* 58(3):409-412.
- Stal, U. 1981. Land resource regions and major land resource areas of the United States.
- Starnes, L. B., and D. C. Gasper. 1995. Effects of surface mining on aquatic resources in North America. *Fisheries* 20(5).
- Stelfox, J. G., D. G. Peden, H. Epp, R. J. Hudson, S. W. Mbugua, J. L. Agatsiva, and C. L. Amuyunzu. 1986.

South Dakota Wildlife Action Plan 2025 Revision

- Herbivore dynamics in southern Narok, Kenya. *The Journal of Wildlife Management* 50(2):339-347.
- Stewart, R. E., and H. A. Kantrud. 1971. Classification of natural ponds and lakes in the glaciated prairie region. Resource Publication 92. Bureau of Sport Fisheries and Wildlife, Washington, DC, USA.
- Stewart, R. E., and H. A. Kantrud. 1972. Vegetation of prairie potholes, North Dakota, in relation to quality of water and other environmental factors. USGS Professional Paper 585. US Government Printing Office.
- Swetnam, T. W., C. D. Allen, and J. S. Betancourt. 1999. Applied historical ecology: using the past to manage for the future. *Ecological Applications* 9(4):1189-1206.
- Taylor, J., W. Acevedo, R. F. Auch, and M. A. Drummond. 2015. Status and trends of land change in the Great Plains of the United States-1973 to 2000. USGS Professional Paper 1794.
- Taylor, K. L., J. L. Beck, and S. V. Huzurbazar. 2016. Factors influencing winter mortality risk for pronghorn exposed to wind energy development. *Rangeland Ecology & Management* 69(2):108-116.
- Terwilliger Consulting, Inc. and the Midwest Landscape Initiative. 2021. Regional Species of Greatest Conservation Need in the Midwestern United States. Midwest Association of Fish and Wildlife Agencies, Pratt, KS, USA.
- Thomas, T., K. Davies, R. Mata-Gonzalez, L. N. Svejcar, and D. Clenet. 2022. Effects of a decade of grazing exclusion on three Wyoming big sagebrush community types. *Global Ecology and Conservation* 40, e02338.
- Thurman, L. L., B. A. Stein, E. A. Beever, W. Foden, S. R. George, N. Green, J. E. Gross, D. J. Lawrence, O. LeDee, J. D. Olden, L. M. Thompson, and B. E. Young. 2020. Persist in place or shift in space? Evaluating the adaptive capacity of species to climate change. *Frontiers in Ecology and the Environment* 18(9):520-528. <https://esajournals.onlinelibrary.wiley.com/doi/10.1002/fee.2253> [accessed 16 Jan 2025].
- Thurman, L. L., J. E. Gross, C. Mengelt, E. A. Beever, L. M. Thompson, G. W. Schuurman, C. L. Hoving, and J. D. Olden. 2022. Applying assessments of adaptive capacity to inform natural-resource management in a changing climate. *Conservation Biology* 36:e13838. <https://conbio.onlinelibrary.wiley.com/doi/abs/10.1111/cobi.13838> [accessed 16 Jan 2025].
- Tigner, J., and E. D. Stukel. 2003. Bats of the Black Hills: a description of status and conservation needs. Wildlife Division Report 2003-05. South Dakota Department of Game, Fish and Parks, Pierre, SD, USA.
- TNC (The Nature Conservancy). 1982. Natural heritage program operations manual.
- Tockner, K., F. Malard, and J. Ward. 2000. An extension of the flood pulse concept. *Hydrological Processes* 14(16-17):2861-2883.
- Tokumoto, J., M. Danjo, Y. Kobayashi, K. Kinoshita, T. Omotehara, A. Tatsumi, M. Hashiguchi, T. Sekijima, H. Kamisoyama, and T. Yokoyama. 2013. Effects of exposure to clothianidin on the reproductive system of male quails. *Journal of Veterinary Medical Science* 75(6):755-760.
- Tronstad, L., and M. Andersen. 2011. Monitoring Rare Land Snails in the Black Hills National Forest. Report prepared by the Wyoming Natural Diversity Database, Laramie, Wyoming for the Black Hills National Forest Service, Custer, SD, USA.
- Truett, J. C. 2003. Migrations of grassland communities and grazing philosophies in the Great Plains: a review and implications for management. *Great Plains Research* 13 (Spring 2003):3-26.
- USDA Forest Service. 2014. Black Hills National Forest area, large fire history map, 1880-2014. U.S. Department of Agriculture, Forest Service, Black Hills National Forest. 1:24,000; map, colored. Available online: <https://www.fs.usda.gov/detail/blackhills/landmanagement/gis/?cid=stelprdb5112497> [2017, January 10]. [90621].
- USACE (United States Army Corps of Engineers). 1998. Missouri river main stem reservoirs system

South Dakota Wildlife Action Plan 2025 Revision

- description and operation. Northwestern Division Missouri River Region Reservoir Control Center. USACE (United States Army Corps of Engineers). 2012a. Big Bend Project statistics. US Army Corps of Engineers Omaha District.
- USACE (United States Army Corps of Engineers). 2012b. Fort Randall Project statistics. US Army Corps of Engineers Omaha District.
- USACE (United States Army Corps of Engineers). 2012c. Garrison Project statistics. US Army Corps of Engineers Omaha District.
- USACE (United States Army Corps of Engineers). 2012d. Gavins Point Project statistics. US Army Corps of Engineers Omaha District.
- USACE (United States Army Corps of Engineers). 2012e. Oahe Project statistics. US Army Corps of Engineers Omaha District.
- USGCRP (U.S. Global Change Research Program). 2009. Global climate change impacts in the United States. Cambridge University Press.
- USDA Natural Resources Conservation Service. 2008. Hydrogeomorphic wetland classification system: An overview and modification to better meet the needs of the Natural Resources Conservation Service. USDA Natural Resources Conservation Service Technical Note No. 190-8-76.
- USDA Natural Resources Conservation Service. Soil survey geographic (SSURGO) database for all counties South Dakota. Fort Worth, TX. Online Linkage: Retrieved 12/15/2025 from <http://SoilDataMart.nrcs.usda.gov/>
- USDA Natural Resource Conservation Service. 2024. PLANTS Database (<https://plants.sc.egov.usda.gov/,05/01/2024>). National Plant Data Team, Greensboro, NC 27401-4901 USA.
- U.S. Department of the Interior, U.S. Fish and Wildlife Service. 2022A. National Survey of Fishing, Hunting, and Wildlife-Associated Recreation.
- U.S. Department of the Interior, U.S. Fish and Wildlife Service. 2022B. Birding in the United States: A Demographic and Economic Analysis, Addendum to the 2022 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation.
- U.S. Fish and Wildlife Service - Black-footed Ferret. Website: <https://www.fws.gov/species/black-footed-ferret-mustela-nigripes> [Accessed 6 Jan 2025]
- U.S. Fish and Wildlife Service, National Wetlands Inventory. South Dakota data sets. Online link: <https://www.fws.gov/program/national-wetlands-inventory/wetlands-mapper>.
- USGS. 2021. United States Geological Service - National Land Cover Data. United States Geological Service. Retrieved 09/25/24 from <https://www.usgs.gov/centers/eros/science/national-land-cover-database>
- Vanderbush, B., C. Longhenry, D. O. Lucchesi, and M. E. Barnes. 2021. A review of zebra mussel biology, distribution, aquatic ecosystem impacts, and control with specific emphasis on South Dakota, USA. *Open Journal of Ecology* 11:163–182.
- Van Pelt, W. E. 1999. The black-tailed prairie dog conservation assessment and strategy. Arizona Game and Fish Department, Nongame and Endangered Wildlife Program.
- Vinton, M. A., and S. L. Collins. 1997. Landscape gradients and habitat structure in native grasslands of the central Great Plains. Pages 3-19 *in* F. L. Knopf and F. B. Samson, editors. *Ecology and Conservation of Great Plains Vertebrates*. Springer, New York, NY, USA.
- Virchow, D. R., and S. E. Hygnstrom. 2002. Distribution and abundance of black-tailed prairie dogs in the Great Plains: A historical perspective. *Great Plains Research* (Fall 2002):197-218.
- von Fischer, J. C., L. L. Tieszen, and D. S. Schimel. 2008. Climate controls on C3 vs. C4 productivity in North American grasslands from carbon isotope composition of soil organic matter. *Global Change Biology* 14(5):1141-1155.
- Wang, L., J. Lyons, P. Kanehl, and R. Bannerman. 2001. Impacts of urbanization on stream habitat and

- fish across multiple spatial scales. *Environmental Management* 28:255-266.
- Ward, J., K. Tockner, and F. Schiemer. 1999. Biodiversity of floodplain river ecosystems: ecotones and connectivity. *River Research and Applications* 15(1-3):125-139.
- Warren, Jr, M. L., and M. G. Pardew. 1998. Road crossings as barriers to small-stream fish movement. *Transactions of the American Fisheries Society* 127(4):637-644.
- Webb, C. L. 2023. Evaluating the Ecological Factors Limiting the Upstream Distribution of Fishes Along the Rocky Mountain–Plains Continuum. M. S. Thesis, University of Wyoming, Laramie, WY, USA.
- Whitburn, J., W. Linklater, and W. Abrahamse. 2019. Meta-analysis of human connection to nature and proenvironmental behavior. *Conservation Biology* 34(1):180-193.
- White, K., R. Lonsinger, and J. Stafford. 2022. Distribution, habitat selection, and survival of plains spotted skunks in South Dakota, USA. Annual Performance Report to the South Dakota Department of Game, Fish and Parks.
- White, P. S., and J. L. Walker. 1997. Approximating nature's variation: selecting and using reference information in restoration ecology. *Restoration Ecology* 5(4):338-349.
- Wickham, J., S. V. Stehman, D. G. Sorenson, L. Gass, and J. A. Dewitz. 2023. Thematic accuracy assessment of the NLCD 2019 land cover for the conterminous United States. *GIScience & Remote Sensing* 60(1):2181143.
- Wilkerson, E., and A. Whitman. 2010. Recreation trails in Maine and New Hampshire: A comparison of motorized, non-motorized, and non-mechanized trails. Pages 214-222 *in* C. E. Watts, Jr. and C. L. Fisher, editors. *Proceedings of the 2009 Northeastern Recreation Research Symposium*. Gen. Tech. Rep. NRS-P-66. US Department of Agriculture, Forest Service, Northern Research Station, Newtown Square, PA, USA.
- Wiltermuth, M. T. 2014. Influences of climate variability and landscape modifications on water dynamics, community structure, and amphipod populations in large prairie wetlands: Implications for waterbird conservation. PhD Dissertation, North Dakota State University, Fargo, ND, USA.
- Woodhouse, C. A., and J. T. Overpeck. 1998. 2000 years of drought variability in the central United States. *Bulletin of the American Meteorological Society* 79(12):2693-2714.
- World Wildlife Fund. 2024. 2024 Plowprint Report: Published by the World Wildlife Fund on September 26, 2024. Retrieved 12/15/2024 from https://Files.worldwildlife.org/wwfprod/files/Publication/file/8mq6fdcm4_PlowprintReport_2024_FINAL.pdf
- Wright, C. K., and M. C. Wimberly. 2013. Recent land use change in the Western Corn Belt threatens grasslands and wetlands. *Proceedings of the National Academy of Sciences* 110(10):4134-4139.
- Zhao, Y., J. Yang, J. Ren, Y. Hou, Z. Han, J. Xiao, and Y. Li. 2020. Exposure Level of Neonicotinoid Insecticides in the Food Chain and the Evaluation of Their Human Health Impact and Environmental Risk: An Overview. *Sustainability*, 12(18), 7523. <https://doi.org/10.3390/su12187523>