**Attachment 1. Selected Big Game Habitat Management References**

**Elk:**

##### [Factors influencing elk recruitment across ecotypes in the Western United States](https://pubs.er.usgs.gov/publication/70196725)

###### Paul M. Lukacs, Michael S. Mitchell, Mark Hebblewhite, Bruce K. Johnson, Heather Johnson, Matthew J. Kauffman, Kelly M. Proffitt, Peter Zager, Jedediah Brodie, Kent R. Hersey, A. Andrew Holland, Mark Hurley, Scott McCorquodale, Arthur Middleton, Matthew Nordhagen, J. Joshua Nowak, Daniel P. Walsh, P.J. White 2018, Journal of Wildlife Management (82) 698-710

* North American Elk: Ecology and Management, Edited by Dale E. Toweill and Jack Ward Thomas, 2002.
* Elk Nutrition and Habitat Models. <https://www.fs.fed.us/pnw/research/elk/>
* The Starkey Project: Long-term studies of elk, deer, and cattle - examining the effects of ungulates on ecosystems. <https://www.fs.fed.us/pnw/starkey/publications/by_keyword/Elk_Pubs.shtml>
* Effects of Season and Scale on Response of Elk and Mule Deer to Habitat Manipulation. Ryan A. Long, Janet L. Rachlow, John G. Kie, Management and Conservation DOI: 10.2193/2007-337, 2008.

##### [Post-parturition habitat selection by elk calves and adult female elk in New Mexico](https://pubs.er.usgs.gov/publication/70173886)

##### James W. Pitman, James W. Cain, Stewart Liley, William R. Gould, Nichole T. Quintana, Warren Ballard 2014, Journal of Wildlife Management (78) 1216-1227

**Mule Deer:**

* Mule Deer Conservation: Issues and Challenges, 2003 Nevelyn E. Headrick, published by the Jack H. Berryman Institute and the Mule Deer Working Group
* North American Mule Deer Conservation Plan, WAFWA Mule Deer Working Group, 2004
  + <https://www.wafwa.org/Documents%20and%20Settings/37/Site%20Documents/Working%20Groups/Mule%20Deer/Publications2/NA%20Mule%20Deer%20Cons%20Plan%20Final.pdf>
* Mule Deer: Changing Landscapes, Changing Perspectives, WAFWA Mule Deer Working Group,
  + <https://www.wafwa.org/Documents%20and%20Settings/37/Site%20Documents/Working%20Groups/Mule%20Deer/Publications2/Mule%20Deer%20Changes.pdf>
* Mule Deer and Movement Barriers, WAFWA Mule Deer Working Group, 2015
  + <https://www.wafwa.org/Documents%20and%20Settings/37/Site%20Documents/Working%20Groups/Mule%20Deer/Publications/Mule%20Deer%20and%20Movement%20Barriers%20FINAL.pdf>
* State/Regional Habitat Guidelines, and other management recommendations, WAFWA Mule Deer Working Group
  + <https://www.wafwa.org/committees___groups/mule_deer_working_group/publications/?usessl=1>
* Energy Development Guidelines for Mule Deer, WAFWA Mule Deer Working Group, 2011
  + <https://www.wafwa.org/Documents%20and%20Settings/37/Site%20Documents/Working%20Groups/Mule%20Deer/Publications2/Energy_Development_Guidelines_for_Mule_Deer_2013.pdf>

##### [Movement reveals scale dependence in habitat selection of a large ungulate](https://pubs.er.usgs.gov/publication/70192619) Joseph Northrup, Charles R. Anderson Jr., Mevin B. Hooten, George Wittemyer 2016, Ecological Applications (26) 2746-2757

**Pronghorn:**

* Pronghorn Ecology and Management, by Bart W. O’Gara & James D. Yoakum, Publisher: University Press of Colorado; 1 edition (November 15, 2004), A Wildlife Management Institute Book
* Pronghorn Management Guide, Biological and management principles and practices designed to sustain pronghorn populations from Canada to Mexico, 2006, R.E. Autenrieth, D.E. Brown, J. Cancino, R.M. Lee, R.A. Ockenfels, B.W. O’Gara, T.M. Pojar, and J.D. Yoakum, Published by: 21st Pronghorn Workshop and North Dakota Game and Fish Department Bismarck, North Dakota
* Habitat Management Guides for the American Pronghorn Antelope, James D. Yoakum, BLM Technical Note 347

##### [Does small-perimeter fencing inhibit mule deer or pronghorn use of water developments?](https://pubs.er.usgs.gov/publication/70036838) R.T. Larsen, J.A. Bissonette, J.T. Flinders, A.C. Robinson 2011, Journal of Wildlife Management (75) 1417-1425

* <https://archive.org/details/habitatmanagemen00yoak>

**Migration Science:**

* [Wyoming Migration Initiative](http://migrationinitiative.org/)
* <https://pubs.er.usgs.gov/search?q=ungulate+migration>

##### [Supplemental feeding alters migration of a temperate ungulate](https://pubs.er.usgs.gov/publication/70174027) Jennifer D Jones, Matthew J. Kauffman, Kevin L. Monteith, Brandon M. Scurlock, Shannon E. Albeke, Paul C. Cross 2014, Ecological Applications (24) 1769-1779

##### [Conserving migratory mule deer through the umbrella of sage-grouse](https://pubs.er.usgs.gov/publication/70173647) H. E. Copeland, H. Sawyer, K. L. Monteith, D.E. Naugle, Amy Pocewicz, N. Graf, Matthew J. Kauffman 2014, Ecosphere (5) 1-16

##### [The extra mile: Ungulate migration distance alters the use of seasonal range and exposure to anthropogenic risk](https://pubs.er.usgs.gov/publication/70192639) Hall Sawyer, Arthur D. Middleton, Matthew M. Hayes, Matthew J. Kauffman, Kevin L. Monteith 2016, Ecosphere (7) 1-11

##### [Alternative foraging strategies enable a mountain ungulate to persist after migration loss](https://pubs.er.usgs.gov/publication/70192641) Alyson B. Courtemanch, Matthew J. Kauffman, Steve Kilpatrick, Sarah R. Dewey 2017, Ecosphere (8) 1-16

##### [Attributes of seasonal home range influence choice of migratory strategy in white-tailed dee](https://pubs.er.usgs.gov/publication/70197205)r Charles R. Henderson Jr., Michael S. Mitchell, Woodrow L. Myers, Paul M. Lukacs, Gerald P. Nelson 2018, Journal of Mammalogy (99) 89-96

##### [Vegetation responses to sagebrush-reduction treatments measured by satellites](https://pubs.er.usgs.gov/publication/70195099) Aaron Johnston, Erik Beever, Jerod A. Merkle, Geneva W. Chong 2018, Ecological Indicators (87) 66-76

##### [WLCI researchers employ new approaches to help managers conserve deer migrations](https://pubs.er.usgs.gov/publication/70007391) Leslie A. Allen, Matthew J. Kauffman 2012, WLCI Fact Sheet 2

##### [Animal migration amid shifting patterns of phenology and predation: Lessons from a Yellowstone elk herd](https://pubs.er.usgs.gov/publication/70003323) Arthur D. Middleton, Matthew J. Kauffman, Douglas E. McWhirter, John G. Cook, Rachel C. Cook, Abigail A. Nelson, Michael D. Jimenez, Robert W. Klaver 2013, Ecology (94) 1245-1256

##### [Stopover ecology of a migratory ungulate](https://pubs.er.usgs.gov/publication/70003523) Hall Sawyer, Matthew J. Kauffman 2011, Journal of Animal Ecology (80) 1078-1087

##### [A framework for understanding semi-permeable barrier effects on migratory ungulates](https://pubs.er.usgs.gov/publication/70039846) Hall Sawyer, Matthew J. Kauffman, Arthur D. Middleton, Thomas A. Morrison, Ryan M. Nielson, Teal B. Wyckoff 2013, Journal of Applied Ecology (50) 68-78

##### [Rejoinder: Challenge and opportunity in the study of ungulate migration amid environmental change](https://pubs.er.usgs.gov/publication/70042104) Arthur D. Middleton, Matthew J. Kauffman, Douglas E. McWhirter, John G. Cook, Rachel C. Cook, Abigail A. Nelson, Michael D. Jimenez, Robert W. Klaver 2013, Ecology (94) 1280-1286

##### [Identifying and prioritizing ungulate migration routes for landscape-level conservation](https://pubs.er.usgs.gov/publication/70035789) H. Sawyer, M.J. Kauffman, R.M. Nielson, J.S. Horne 2009, Ecological Applications (19) 2016-2025

##### [Movement reveals scale dependence in habitat selection of a large ungulate](https://pubs.er.usgs.gov/publication/70192619) Joseph Northrup, Charles R. Anderson Jr., Mevin B. Hooten, George Wittemyer 2016, Ecological Applications (26) 2746-2757

* <http://cpw.state.co.us/Documents/Research/Mammals/ChuckAnderson/HabitatSelectionByMuleDeerDuringMigration.pdf#search=ungulate%20migration> Habitat selection by mule deer during migration: effects of landscape structure and natural-gas development. Lendrum, P. E., C. R. Anderson, Jr., R. A. Long, J. G. Kie, and R. T. Bowyer. 2012. Habitat selection by mule deer during migration: effects of landscape structure and natural-gas development. Ecosphere 3(9):82. http://dx.doi.org/10. 1890/ES12-00165.1
* <http://cpw.state.co.us/Documents/Research/Mammals/ChuckAnderson/MigratingMuleDeer.pdf#search=ungulate%20migration> Migrating Mule Deer: Effects of Anthropogenically Altered Landscapes. Patrick E. Lendrum, Charles R. Anderson Jr., Kevin L. Monteith, Jonathan A. Jenks, R. Terry Bowyer, 2013

**Wildlife Management Institute:** <https://wildlifemanagement.institute/>

**U.S. Forest Service Wildlife Research Publications:** <https://www.fs.usda.gov/treesearch/>

**Western Association of Fish and Wildlife Agencies (WAFWA):** <http://www.wafwa.org> /

* **WAFWA Crucial Habitat Assessment Tool.** <http://www.wafwachat.org/>
* <http://www.muledeerworkinggroup.com/Docs/IMW_Mule_Deer_Habitat_Guidelines.pdf>
* <http://www.wildsheepworkinggroup.com> /

**State Fish and Wildlife Agency Planning Documents:**

***Arizona***

<http://www.azgfd.gov/w_c/documents/2012-2022_Arizona_State_Wildlife_Action_Plan.pdf>

<http://habimap.org/>

***California***

<http://www.dfg.ca.gov/swap> /

***Colorado***

<http://cpw.state.co.us/aboutus/Pages/StateWildlifeActionPlan.aspx>

<http://cpw.state.co.us/Documents/WildlifeSpecies/Mammals/ColoradoBighornSheepManagementPlan2009-2019.pdf#search=ungulate%20migration>

***Idaho***

<http://fishandgame.idaho.gov/public/wildlife/cwcs/>

***Montana***

<http://fwp.mt.gov/doingBusiness/reference/managementPlans/wildlifeMgmt.html>

***Nevada***

<http://www.ndow.org/Nevada_Wildlife/Conservation/Nevada_Wildlife_Action_Plan>

<http://www.ndow.org/uploadedFiles/ndoworg/Content/public_documents/Law/Mule%20Deer%20Management%20Plans.pdf>

***New Mexico***

<http://www.wildlife.state.nm.us/conservation/state-wildlife-action-plan/>

<http://www.wildlife.state.nm.us/conservation/habitat-handbook/>

***North Dakota***

<https://gf.nd.gov/wildlife/swap>

***South Dakota***

<https://gfp.sd.gov/wildlife-action-plan/>

***Oregon***

<http://www.dfw.state.or.us/conservationstrategy/index.asp>

<http://www.dfw.state.or.us/wildlife/management_plans/>

***Utah***

<https://wildlife.utah.gov/learn-more/wap2015.html>

<https://wildlife.utah.gov/hunting/biggame/pdf/elk_plan.pdf>

<https://wildlife.utah.gov/hunting/biggame/pdf/mule_deer_plan.pdf>

***Washington***

<http://wdfw.wa.gov/conservation/cwcs/>

<http://wdfw.wa.gov/conservation/>

<http://wdfw.wa.gov/publications/>

***Wyoming***

<https://wgfd.wyo.gov/Habitat/Habitat-Plans/Wyoming-State-Wildlife-Action-Plan>

<https://wgfd.wyo.gov/WGFD/media/content/PDF/Habitat/Habitat%20Information/Wind%20Energy%20Development/WGFC-Mitigation.pdf>