

References: (in order of occurrence)

1. Wilson, E.O., A Biologist Manifesto for Preserving Life on Earth, 2016, Sierra Magazine, January/February 2017 Edition
2. Fears, Darryl, “One million species face extinction, U.N. report says. And humans will suffer as a result.” *Washington Post*, 2019.
3. Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES) Press Release, “Nature’s Dangerous Decline ‘Unprecedented’ Species Extinction Rates ‘Accelerating’”
https://www.washingtonpost.com/context/ipbes-global-report-species-extinction-rate-is-accelerating/f724e478-da85-4e89-83f9-f663c496f08c/?utm_term=.570ca5a62ee2
4. <https://www.ipbes.net/global-assessment-experts>
5. Craighead, Lance, *Wilderness, Wildlife, and Ecological Values of the Hyalite-Porcupine-Buffalo Horn Wilderness Study Area*, 2015. Page 6, 8, 17
6. <https://allianceforthewildrockies.org/nrepa>
7. Public Testimony from Montana Fish, Wildlife and Parks before Congress, Mar. 1993, exact source is unknown.
8. Montana Natural Heritage Program, 2018,
<http://mtnhp.org/SpeciesSnapshot>, data pulled 20190414.
9. Craighead, Lance, *Wilderness, Wildlife, and Ecological Values of the Hyalite-Porcupine-Buffalo Horn Wilderness Study Area*, 2015. Page 133, 17
10. Federal Register, page 21265 of Vol. 77 No.68 dated April 9, 2012, section 219.9(2)
https://www.fs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb5362538.pdf
11. Dixon, Bev; et al., “Assessment: Forest Plan Revision, Final Terrestrial Wildlife Report”, Custer Gallatin National Forest, 2017.
12. Hill, Pat, “Couple Seeks Knowledge of Wolverines: A Creature They Almost Never See”, *Montana Pioneer*, date unknown.
<https://montanapioneer.com/couple-seeks-knowledge-of-wolverines/>
13. Doyle, Shane; Not Afraid, A.J.; and Bird, Adrian; “Crazies spiritual, historical deserve protection”, *Bozeman Daily Chronicle*, Op-Ed piece, May 22, 2019.
14. Nie, M., C. Barns, J.Haber, J.Joly, K. Pitt, and S. Zellmer, “Fish and Wildlife Management on Federal Lands: Debunking State Supremacy”, *Environmental Law*, 47, no 4 (2017).

15. Marten, Leanne, Regional Forester, Northern Region, U.S. Forest Service, 2019, https://www.fs.usda.gov/Internet/FSE_DOCUMENTS/fseprd611268.pdf
16. Northern Region, U.S. Forest Service, <https://www.fs.usda.gov/detail/r1/landmanagement/planning/?cid=fseprd500402> 2018.
17. Clark, Erin. writer/editor, U.S. Fish & Wildlife Service 2011 Wilderness Fellow, Kimberly Schienker, Gallatin National Forest Wilderness and Recreation Program Manager, and Catherine Fiiardi, University of Montana Wilderness Institute Citizen Science Program Director. 2012. *Wilderness Character Monitoring Report Hyalite Porcupine Buffalo Horn Wilderness Study Area.*
18. Federal Register Vol. 77 No. 68. 2012, page 21218. https://www.fs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb5362536.pdf
19. Bailey, Jim Phd.
20. Dixon, Bev et al. *CGNF Assessment Forest Plan Revision, Final Terrestrial Wildlife Report*, Custer Gallatin National Forest, 2017
21. Montana Natural Heritage, Animal Species of Concern, 2018, http://mtnhp.org/SpeciesOfConcern/output/NHP_Animal_SOC.pdf
22. Gehman, Steve, Wild Things Unlimited, 2018, Written comments to the U.S. Forest Service during Public Comment Period.
23. Caughley, Graeme, “Directions in conservation biology”, *Journal of Animal Ecology*, 1994.
24. Correspondence between GWA and Leanne Martin, Regional Forester of Region 1, Three letters dated April 8, 2019, April 8, 2019 and April 22, 2019.
25. Federal Register Vol. 77, No. 68, 2012, page 21265. https://www.fs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb5362536.pdf
26. Beyer, Rep. Don, Press Release of Senator Udall, 2018.
27. Dixon, Bev, Wildlife Biologist for the CGNF, email response to Clint Nagel of GWA, Lance Craighead of Craighead Institute, Stephanie Adams of National Parks and Conservation Assn, Brook Regan of Greater Yellowstone Coalition, and Kim Trotter of Y2Y. May 8, 2019.
28. Ritter, Torrey Daniel. *Ecosystem Pioneers: Beaver Dispersal and Settlement Site Selection In The Context of Habitat Restoration*, Masters Thesis, Montana State University, April 2018.

29. Pollock, Michael M.; Heim, Marga; and Werner, Danielle; “Hydrologic and Geomorphic Effects of Beaver Dams and Their Influence on Fishes”, 2003, page 3.
<https://olis.leg.state.or.us/liz/2015R1/Downloads/CommitteeMeetingDocument/57354>
30. Lawler, Joshua J, “Climate Change Adaptation Strategies for Resource Management and Conservation Planning”, 2009, page 92.
<http://courses.washington.edu/cfr590/pdfs/Lawler.2009.pdf>
31. Pollock, Michael M.; Heim, Marga; and Werner, Danielle; “Hydrologic and Geomorphic Effects of Beaver Dams and Their Influence on Fishes”, 2003, page 3.
<https://olis.leg.state.or.us/liz/2015R1/Downloads/CommitteeMeetingDocument/57354>
32. Westbrook, Cherie J.; Cooper, David J.; and Baker, Bruce W.; “Beaver dams and overbank floods influence groundwater–surface water interactions of a Rocky Mountain riparian area”, 2006.
<https://agupubs.onlinelibrary.wiley.com/doi/pdf/10.1029/2005WR004560>
33. Pollock, Michael M.; Beechie, Timothy J.; and Jordan, Chris E.; “Geomorphic changes upstream of beaver dams in Bridge Creek, an incised stream channel in the interior Columbia River basin, eastern Oregon”, 2007, pg 1182.
http://nptwaterresources.org/wp-content/uploads/2014/01/Pollock_et_al_2007_ESPL.pdf
34. Wyoming Game and Fish Department. “The role of beaver in riparian habitat management”. Habitat Extension Bulletin, Jan. 1993. No. 38. pp. 1-8
35. Collen, P.; Gibson, R.J.; “The general ecology of beavers (*Castor* spp.), as related to their influence on stream ecosystems and riparian habitats, and the subsequent effects on fish”, 2001, pg 445.
<https://www.martinezbeavers.org/wordpress/wp-content/uploads/2013/04/Collen-Gibson-beaver-dams-fish-review-2001.pdf>
36. Naiman, Robert J; Johnston, Carol A; Kelly, James C; “Alteration by North American Streams by Beaver”, 1988
https://www.researchgate.net/publication/245267087_Alteration_of_North_American_Sstreams_by_Beaver
37. Naiman, R.J., J.M. Melillo, and J.E. Hobbie, “Ecosystem alteration of boreal forest streams by beaver (*Castor canadensis*)” *Ecology*, 67:1254-1269, 1986.
38. Rosell, Frank; Collen, Peter; Bozser, Orsolya; Parker, Howard; “Ecological impact of beavers *Castor fiber* and *Castor canadensis* and their ability to modify ecosystems”, 2005,

<https://www.researchgate.net/publication/37687178> Ecological impact of beaver
s Castor fiber and Castor canadensis and their ability to modify ecosystems

39. Wyoming Game and Fish Department. 1993. The role of beaver in riparian habitat management. Habitat Extension Bulletin, Jan. 1993. No. 38. pp. 1-8
40. Sanderson, E.W., K. H. Redford, B. Weber, K. Aune, D. Baldes, J. Berger, D. Carter, C. Curtin, J. Derr, S. Dobrott, E. Fearn, C. Fleener, S. Forrest, C. Gerlach, C. Gates, J. E. Gross, P. Gogan, S. Grassel, J. A. Hilty, M. Jensen, K. Kunkel, D. Lammers, R. List, K. Minkowski, T. Olson, C. Pague, P. B. Roberstson, and B. Stephenson. 2008. The Ecological Future of the North American Bison: Conceiving Long-Term, Large-Scale Conservation of Wildlife. Conservation Biology, Vol. 22(2):252-266.
<http://www3.interscience.wiley.com/journal/119406178/abstract>
41. Traill, L.W, B. W. Brook, R. R. Frankham and C. J .A. Bradshaw. 2010. Pragmatic population viability targets in a rapidly changing world. Biological Conservation 143(1):28-34.
42. Dratch, P. A., and P. J. P. Gogan. 2010. Bison Conservation Initiative: Bison Conservation Genetics Workshop: report and recommendations. Natural Resource Report NPS/NRPC/BRMD/NRR—2010/257. National Park Service, Fort Collins, Colorado.
43. White, P.J.; Wallen, Rick L.; Hallac, David E., *Yellowstone Bison, Conserving an American Icon in Modern Society*, 2015, page 17.
44. Geremia, Chris, et al. “Status Report on the Yellowstone Bison Population”. 2017, Yellowstone National Park.
45. Traill, L.W, B. W. Brook, R. R. Frankham and C. J .A. Bradshaw. 2010. Pragmatic population viability targets in a rapidly changing world. Biological Conservation.
46. Dratch, P. A., and P. J. P. Gogan. 2010. Bison Conservation Initiative: Bison Conservation Genetics Workshop: report and recommendations. Natural Resource Report NPS/NRPC/BRMD/NRR—2010/257. National Park Service, Fort Collins, Colorado.
47. Freese, C. H., K. Kunkel, D. Austin, and B. Holder. Undated. Bison Management Plan. American Prairie Reserve. pp. 166. This work notes on page 155 in an August 25, 2015 letter to the then Montana Fish, Wildlife & Parks Director Jeff Hagener. This reference previously referenced *Sanderson et al (2008)*.
48. Dratch, P. A., and P. J. P. Gogan. 2010. Bison Conservation Initiative: Bison Conservation Genetics Workshop: report and recommendations. Natural Resource Report NPS/NRPC/BRMD/NRR—2010/257. National Park Service, Fort Collins, Colorado.

49. Freese, C. H., K. E. Aune, D. P. Boyd, J. N. Derr, S. C. Forrest, C. C. Gates, P. J. P. Gogan, S. M. Grassel, N. D. Halbert, K. Kunkel and K. H. Redford. 2007. "Second chance for the plains bison". *Biological Conservation* 136:157-184.
50. Hedrick, Phillip, "Conservation Genetics and North American Bison", 2009, *Journal of Heredity*, American Genetic Association
51. Gates, C. C., C. H. Freese, Peter J. P. Gogan, and M. Kotzman. 2010. American Bison: status survey and conservation guidelines. International Union for Conservation of Nature, Gland Switzerland: IUCN,
52. Gross, J. E., G. Wang, N. D. Halbert, P. A. Gogan, J. N. Derr and J. W. Templeton. 2006. Effects of population control strategies on retention of genetic diversity in National Park Service bison (*Bison bison*) herds. Revised Final Rpt., Yellowstone Research Group, Dept. of Biology, Montana St. Univ. Bozeman.
53. Pena, Rynalea, President of Northern Cheyenne Tribe, Correspondence between Northern Cheyenne Tribe Administration to Custer Gallatin National Forest, 2019.
54. Geist, Darrell, Buffalo Field Campaign, 2019.
55. Correspondence between Rocky Mountain Tribal Leaders Council and Virginia Kelly, CGNF's Forest Plan Revision Team Leader of the U.S. Forest Service, May 31, 2019. Permission granted to GWA on behalf of Cottonwood Environmental Law Center on May 31, 2019.
56. Gates, C. C., C. H. Freese, Peter J. P. Gogan, and M. Kotzman. 2010. American Bison: status survey and conservation guidelines. International Union for Conservation of Nature, Gland Switzerland: IUCN, pp. 136. Available online: http://cmsdata.iucn.org/downloads/american_bison_report.pdf
57. Correspondence to Montana Fish Wildlife and Parks from GWA, 2012.
58. Schwartz, Charles C. et. al., "Impacts of Rural Development on Yellowstone wildlife: linking grizzly bear *Ursus arctos* demographics with projected residential growth", 2012, BioOne Complete. (This reference also second references (*Knight et al. 1988*, *Schwartz et al. 2006*, *Schwartz et al. 2010*); (*Schwartz et al. 2010*)).
59. Craighead, Lance, *Wilderness, Wildlife, and Ecological Values of the Hyalite-Porcupine-Buffalo Horn Wilderness Study Area*, page 106, 94, 2015. (This reference also second references (*Mattson and Merrill 2002*, *Merrill et al. 2005*); (*Picton 1986*, *Merriam 1922*); (*Aune, Pers. Comm. 1996*)).
60. Wilkinson, Todd, "Griz Expert Says Mountain Bikers are a Grave Threat to Bears", *Mountain Journal*, Dr. Christopher Servheen, 2019.

61. Toweill, D.E. and V. Geist. 1999. Return of royalty - wild sheep of North America. Boone and Crocket Club, Foundation for North American Wild Sheep, Missoula, MT. page 214.
62. Sells, S.N., M.S. Mitchell, J.J. Nowak, P.M. Lukacs, N.J. Anderson, J.M. Ramsey, J.A. Gude and P.R. Krausman. 2015. Modeling Risk of Pneumonia Epizootics in Bighorn Sheep. *The Journal of Wildlife Management* 79(2):195-210.
63. Cassirer, F.C., K.R. Manlove, R.K. Plowright and T.E. Besser. "Evidence for Strain-Specific Immunity to Pneumonia in Bighorn Sheep". *The Journal of Wildlife Management*. 2017. 81(1):133-143.
64. Singer, F.J., L.C. Zeigenfuss, and L. Spicer, "Role of patch size, disease, and movement in rapid extinction of bighorn sheep", *Conservation Biology*, 2001 15(5):1347-1354.
65. Montana Dept. of Fish, Wildlife and Parks, *Montana Bighorn Sheep Conservation Strategy*. 2010.
66. Berger, J. 1990. Persistence of different-sized populations: An empirical assessment of rapid extinctions in bighorn sheep. *Conservation Biology* 4:91-98. It should be mentioned that this reference cited (*Traill et al. 2010, Reed et al. 2003, Snaith, T.V. and K.F. Beaszley. 2002, Dratch and Gogan 2010*).
67. Garrott, R., K. Proffitt, J. Rotella and C. Butler. 2016, "The role of disease, habitat, individual condition, and herd attributes on bighorn sheep recruitment and population dynamics in Montana".
68. Butler C.J., W.H. Edwards, J.T. Paterson, K.M. Proffitt, J.E. Jennings-Gaines, H.J. Killion et al. "Respiratory pathogens and their association with population performance in Montana and Wyoming bighorn sheep populations". (2018) PLoS ONE 13(11): e0207780. <https://doi.org/10.1371/journal.pone.0207780>
69. Brewer C.E., V.C. Bleich, J.A. Foster, T. Hosch-Hebdon, D.E. McWhirter, E.M. Rominger, M.W. Wagner, and B.P. Wiedmann. 2014. "Bighorn Sheep: Conservation Challenges and Management Strategies for the 21st Century". Wild Sheep Working Group, Western Association of Fish and Wildlife Agencies, Cheyenne, Wyoming, USA. pp. 16, 28.
70. Uttam, K.R., "Minimum Sizes for Viable Population and Conservation Biology". *Our Nature* (2003) 1:3-9
<https://www.nepjol.info/index.php/ON/article/view/297/289>
71. Geist, V. 1971. "Mountain Sheep A study in Behavior and Evolution", *Wildlife Behavior and Ecology Series*, The University of Chicago Press. pp. 383.

72. Cassaigne, I.G., Medellin, and Guasco, J.A. 2010, *Mortality during epizootics in bighorn sheep; effects of initial population size and cause*
73. Reed, D.H, J.J. O'Grady, B.W. Brook, J.D. Ballou, and R. Frankham. 2003. Estimates of minimum viable population sizes for vertebrates and factors influencing those estimates. *Biological Conservation* 113:23–34. Schommer, T and M. Woolever. 2001. A process for finding management solutions to the incompatibility between domestic sheep and bighorn sheep. USDA Forest Service, Washington, DC. 62pp.
74. Traill, L.W, B. W. Brook, R. R. Frankham and C. J .A. Bradshaw. 2010. Pragmatic population viability targets in a rapidly changing world. *Biological Conservation* 143(1):28-34.
75. Cassirer, F.C., K.R. Manlove, E.S. Almberg, P.L. Kamath, M. Cox, P. Wolff, A. Roug, J. Shannon, R. Robinson, R.B. Harris, B.J Gonzales, R.K. Plowright, P.J. Hudson, P.C. Cross, A. Dobson, and T.E Besser. 2018. Pneumonia in Bighorn Sheep: Risk and Resilience. *The Journal of Wildlife Management* 82(1):32-45.
76. Montana Fish, Wildlife & Parks. 2010. Montana Bighorn Sheep Conservation Strategy. Wildlife Division, Helena MT. pp 313.
77. Bailey, J.A. 2018. Bighorn sheep The small-population strategy does not work. Accessed July 26, 2018;
<http://www.jamesabailey.com/wildlife%20management/Bighorn%20Sheep%20The%20Small-population%20Strategy%20Does%20Not%20Work.pdf> 4pp.
78. Beecham, J.J., P.C. Cameron, and T. D. Reynolds 2007. Rocky Mountain Bighorn Sheep (*Ovis canadensis*): A Technical Conservation Assessment. Prepared for USDA Forest Service, Rocky Mountain Region, Species Conservation Project by TREC, Inc., 4276 E. 300 North Rigby, Idaho 83442. Online at:
<http://www.fs.fed.us/r2/projects/scp/assessments/rockymountainbighornsheep.pdf>
79. Besser, T. E., E. F. Cassirer, K. A. Potter, K. Lahmers, J. L. Oaks, S. Shanthalingam, S. Srikumaran, W. J. Foreyt. 2014. Epizootic Pneumonia of Bighorn Sheep following Experimental Exposure to *Mycoplasma ovipneumoniae*. www.plosone.org. PLOS ONE. 9(10):1-9
80. Cassirer, E.F., Plowright, R.K., Manlove, K.R., Cross, P.C., Dobson, A.P., Potter, K.A. and Hudson, P.J., 2013. Spatio- temporal dynamics of pneumonia in bighorn sheep. *Journal of Animal Ecology*, 82(3), pp.518-528.
81. Dubay, S., H. Schwantje, and J. Devos. 2003. Bighorn sheep (*Ovis canadensis*) diseases: a brief literature review and risk assessment for translocation.
<http://www.usaha.org/reports/reports03/ro3wd.html>
82. Foreyt, W.J. and D.A. Jessup. 1982. Fatal pneumonia of bighorn sheep following association with domestic sheep. *J. Wildl. Diseases* 18(2):163-168.

83. Goodson, N.J. 1982. Effects of domestic sheep grazing on bighorn sheep populations: A review. In Biannual Symposium Northern Sheep and Goat Council. (3):287-313.
84. Jessup, D.M. 1981. Pneumonia in bighorn sheep: effects on populations. Cal-Neva Wildlife Society Transactions, pp. 72-78.
85. Jessup, D.A. 1985. Diseases of domestic livestock which threaten bighorn sheep populations. Desert Bighorn Council 1985 Transactions (29):29-33.
86. Lawrence P.K., S. Shanthalingam, R. P. Dassanayake, R. Subramaniam, C. N. Herndon, D. P. Knowles, F. R. Rurangirwa, W. J. Foreyt, G. Wayman, A. M. Marciel, S. K. Highlander and S. Srikumaran. 2010. Transmission of *Mannheimia haemolytica* from domestic sheep (*Ovis aries*) to bighorn sheep (*Ovis Canadensis*): unequivocal demonstration with green fluorescent protein-tagged organisms. J. Wild. Diseases 46(3):706-717.
87. Monello, R.J., D.L. Murray, and E.F. Cassirer. 2001. Ecological correlates of pneumonia epizootics in bighorn sheep herds. Can. J. Zool. 79:1423-1432.
88. Schommer, T and M. Woolever. 2008. A review of diseases related conflicts between domestic sheep and goats and bighorn sheep. USDA Forest Service, Rocky Mountain Research Station, General Technical Report RMRS-GTR-209. 16pp
89. Suminski, R.. 1991. Bighorn/livestock interaction - issues and management strategies. USDA, USFS, Intermtn. Region. 24 pp.
90. Manlove, K., Cassirer, E.F., Cross, P.C., Plowright, R.K. and Hudson, P.J., 2016. Disease introduction is associated with a phase transition in bighorn sheep demographics. Ecology, 97(10), pp.2593-2602.
91. Executive Order 13175 of November 6, 2000 Consultation and Coordination With Indian Tribal Governments
<https://www.govinfo.gov/content/pkg/FR-2000-11-09/pdf/00-29003.pdf>
92. Geist, V., "The Wild Sheep in Modern North America, Proceedings of the Workshop on the Management Biology of North American Wild Sheep", 1974.
93. Beecham, J.J. Jr., C.P. Collins, and T.D. Reynolds, *Rocky Mountain Bighorn Sheep (Ovis canadensis): A Technical Conservation Assessment*, 2007, Prepared for the USDA Forest Service, Rocky Mountain Region, Species Conservation Project. (This reference second references (Brimeyer personal communication 2005); (Anderson 2004)).
94. Pils, A. and J. Wilder. 2017. *Risk Analysis of Disease Transmission between Domestic Sheep and Goats and Rocky Mountain Bighorn Sheep*. USDA USFS

Shoshone National Forest. (This reference second references (*George and Davies 2005*)).

95. 2012 Planning Rule, U.S. Forest Service, Federal Register
https://www.fs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb5362536.pdf
96. 2012 Planning Rule Definitions, U.S. Forest Service, Federal Register
http://merid.org/~media/Files/Projects/FNF/General%20Resources/Glossary_2012%20Planning%20Rule_FNF%20Draft.pdf
97. Yellowstone National Park website
<https://www.nps.gov/yell/learn/nature/moose.htm>
98. Dixon, Bev, et al., *Assessment Forest Plan Revision, Final Terrestrial Wildlife Report*, U.S. Forest Service, 2017, page 110, reference referred to (Robbins, 2013).
99. Nadeau et al. "Status and Trends of Moose Populations and Hunting Opportunity in the Western United States", *Alces: A Journal Devoted to the Biology and Management of Moose*, 2017, Nadeau, M.S., N.J. DeCesare, D.G. Brimeyer, E.J. Bergman, R.B. Harris, K.R. Hersey, K.K. Huebner, P.E. Matthews, and T.P. Thomas 2017.
100. Cunningham, Julie; Wildlife Biologist, "Moose Harvest Data", Montana Wildlife, Fish and Parks, 2019.
101. DeCesare, Nicholas; et al. "Moose Status and Management in Montana", Montana Dept. of Fish, Wildlife and Parks and Montana State University, *Alces* Vol. 50, 2014.
102. Tyers, Daniel B, "Moose Population History on the Northern Yellowstone Winter Range", *Alces* journal, Vol 42. 2006. (referenced referred to National Academy of Sciences 2002 and Yellowstone National Park 1997).
103. Traill, Lochran, "Pragmatic population viability targets in a rapidly changing world", *Biological Conservation*, 2010.
104. University of Adelaide, "Conservation targets too small to stop extinction", (e) *Science News*, 2009.
105. Snaith, Tamaini; Beazley, Karen, *Application of Population Viability Theory to Moose in Mainland Nova Scotia*, Abstract, 2002
http://flash.lakeheadu.ca/~arodgers/Alces/Vol38/Alces38_193.pdf
106. Dixon, Bev, et al., *Assessment Forest Plan Revision, Final Terrestrial Wildlife Report*, U.S. Forest Service, 2017, (reference second references (*DeCesare and Newby 2013*)).

107. Courtemanch, Alyson, *Jackson Moose Herd Unit Population Objective Review*, Wyoming Game and Fish Department, 2015. (This reference second references DeCesare and Newby 2013).
108. Forbes LB, Tessaro SV, Lees W., *Experimental studies on Brucella abortus in moose (Alces alces)*, abstract, 1996.
109. Lankester, Murray, “Understanding the Impact of Meningeal Worm, *Parelaphostrongylus Tenuis*, on Moose Populations”, *Alces: A Journal Devoted to the Biology and Management of Moose*, 2010.
110. Roos, Robert, “Chronic Wasting Disease found in Moose”, Center for the Infectious Disease Research and Policy, University of Minnesota, 2005.
<http://www.cidrap.umn.edu/news-perspective/2005/10/chronic-wasting-disease-found-moose>
111. Craighead, Lance, *Wilderness, Wildlife, and Ecological Values of the Hyalite-Porcupine-Buffalo Horn Wilderness Study Area*, 2015, page 106,
112. Craighead, Lance, *Wilderness, Wildlife, and Ecological Values of the Hyalite-Porcupine-Buffalo Horn Wilderness Study Area*, 2015, page 101. (This reference second references (Inman et al. 2013); (Inman, pers. comm. 2015)).
113. Craighead, Lance, *Wilderness, Wildlife, and Ecological Values of the Hyalite-Porcupine-Buffalo Horn Wilderness Study Area*, 2015, page 104, 105, 106
114. Halofsky, Jessica E,²⁷ et al, *Climate Change Vulnerability and Adaptation in the Northern Rocky Mountains Part 1*, 2018, page iii
115. Craighead, Lance, *Wilderness, Wildlife, and Ecological Values of the Hyalite-Porcupine-Buffalo Horn Wilderness Study Area*, 2015, page 102, 103, 106. (This reference second references (Hornocker and Hash 1981); (Copeland 1996; Copeland and Harris 1993, 1994; Krebs et al. 2007); (Hash 1987); (Copeland et al. 2007); (Snetsinger and White 2009)).
116. Heinmeyer, Kimberly S. et al, *Wolverine – Winter Recreation Research Project: Investigating the Interactions between Wolverines and Winter Recreation*, 2017
117. Ray, Justina, *Why Won't Wolverines Cross the Road*, 2018
<https://www.canadiangeographic.ca/article/why-wont-wolverines-cross-road>
118. Rubin, Ben,
<https://www.endangeredspecieslawandpolicy.com/2016/10/articles/fish-wildlife-service/wolverine-status-review-reinitiated/> 2016
119. Hansen, Andrew and Phillips, Linda, *Ecosphere*, “Trends in vital signs for Greater Yellowstone: application of a Wildland Health Index”, 2018.

120. Gonzalez, Patrick, et al, 2018, Environ, *Environmental Research Letters*_published by IOP science. (This reference second references (*ACIA 2005, Vaughan et al 2013*)).
121. Chang, Tony, Hansen, Andrew, The Climate Change Brief, Landscape Climate Change-Vulnerability Project, 2014, Montana State University. (This reference second references (*Al-Chokhachy et al. 2013*); (*Westerling et al. 2011*)).
122. Westerling, Anthony, et al., “Continued warming could transform Greater Yellowstone fire regimes by mid-21st century”, *Proceedings of the National Academy of Sciences of the United States of America*, 2011.
123. Davis, Kimberley, et al, *Wildfires and climate change push low-elevation forests across a critical climate threshold for tree regeneration*, 2019
124. Speier, Maxine, Montana Public Radio, 2019,
<https://www.mtpr.org/post/climate-change-hurting-regrowth-forests-um-researchers-say>
125. Federal Register / Vol. 77, No. 68 / Monday, April 9, 2012 / Rules and Regulations, page 21176.
https://www.fs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb5362536.pdf
126. Federal Register / Vol. 77, No. 68 / Monday, April 9, 2012 / Rules and Regulations, pages 21264, 21265
https://www.fs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb5362538.pdf
127. Westerling, A. L., et al, Warming and Earlier Spring Increase Western U.S. Forest Wildfire Activity, *Science Magazine*, Volume 313 edition, 2006, Following references were incorporated into Westerling, et al. (C. D. Allen et al., *Ecol. Appl.* 12, 1418 (2002)); (T. Schoennagel, T. T. Veblen, W. H. Romme, *BioScience* 54, 661 (2004)); (W. W. Covington, M. M. Moore, *J. For.* 92, 39 (1994)); (N. L. Stephenson, *Am. Nat.* 135, 649 (1990)); (N. L. Stephenson, *J. Biogeogr.* 25, 855 (1998)); (R. C. Balling, G. A. Meyer, S. G. Wells, *Agric. For. Meteorol.* 60, 285 (1992)); (E. K. Heyerdahl, L. B. Brubaker, J. K. Agee, *Holocene* 12, 597 (2002)); (K. F. Kipfmüller, T. W. Swetnam, in *Wilderness Ecosystems, Threats, and Management*, D. N. Cole, S. F. McCool, W. T. Borrie, J. O’Loughlin, Eds. (U.S. Forest Service, RMRS-P-15, Fort Collins, CO, 2000), vol. 5, pp. 270–275)); (T. W. Swetnam, J. L. Betancourt, *J. Clim.* 11, 3128 (1998)); (T. T. Veblen, T. Kitzberger, J. Donnegan, *Ecol. Appl.* 10, 1178 (2000)); (A. L. Westerling, T. J. Brown, A. Gershunov, D. R. Cayan, M. D. Dettinger, *Bull. Am. Meteorol. Soc.* 84, 595 (2003)); (T. W. Swetnam, J. L. Betancourt, *Science* 249, 1017 (1990)); (T. W. Swetnam, *Science* 262, 885 (1993)); (J. L. Pierce, G. A. Meyer, A. J. T. Jull, *Nature* 432, 87 (2004)); (T. Schoennagel, T. T. Veblen, W. H. Romme, *BioScience* 54, 661 (2004)).
128. Running, Steven, “Is Global Warming Causing More, Larger Wildfires?”, *Science Magazine*, Vol. 313, 2006

129. Carter, V.A., et al., A 1,500-year synthesis of wildfire activity stratified by elevation from the U.S. Rocky Mountains, *Quaternary International* (2017), <http://dx.doi.org/10.1016/j.quaint.2017.06.051>
130. Levy, Gabrielle, “Wildfires Are Getting Worse, And More Costly, Every Year”, *U.S. News and World Report*, (2018)
131. Headwaters Economics, *Solutions to the Rising Costs of Fighting Fires in the Wildland-Urban Interface*, 2009
132. U.S. Forest Service, *The Rising Costs of Wildfire Operations: Effects of the Forest Service’s Non-Fire Work*, 2015.
133. Clavet, Cecilia, *Fire Adapted Communities Learning Network*, “Wildfire Funding in the Omnibus Bill: What You Need to Know”, credit for graph goes to U.S. Forest Service, 2018. Fire Adapted Communities Learning Network in cooperative agreement with U.S. Department of Agriculture. Cecilia Clavet member of Nature Conservancy.
<https://fireadaptednetwork.org/wildfire-funding-omnibus-bill-need-know/>
134. Scott, Joe H.; Thompson, Matthew P.; Gilbertson-Day, Julie W. 2016. Examining alternative fuel management strategies and the relative contribution of National Forest System land to wildfire risk to adjacent homes - A pilot assessment on the Sierra National Forest, California, USA. *Forest Ecology and Management*. 362: 29-37
135. Haverstick, Brett, “Catastrophic anti-infestation logging threatens US National Forests”, *Ecologist: The Journal for the Post-Industrial Age*, 2017.
<https://theecologist.org/2017/apr/10/catastrophic-anti-infestation-logging-threatens-us-national-forests>
136. Plumer, Brad, “There’s a better way to tame large forest fires. So why don’t we do it”, *Vox Media*, 2015.
<https://www.vox.com/2015/9/17/9347361/wildfire-management-prescribed-burn>
137. Gabbert, Bill, “217 Scientist sign letter opposing logging as a response to wildfires”, *Wildfire Today*, 2018.
<https://wildfiretoday.com/2018/09/22/217-scientists-sign-letter-opposing-logging-as-a-response-to-wildfires/>
138. Donovan, Geoffrey H. and Brown, Thomas C., “An Alternative Incentive Structure for Wildfire Management on National Forest Land”, *Forest Science*, copyrighted by Society of American Foresters, 2005.
139. Chu, Steven, “Carbon Capture and Sequestration”, *Science Magazine*, Vol. 325, Issue 5948, 2009.
<https://science.sciencemag.org/content/325/5948/1599>

140. Natural Resources Conservation Service, “Carbon Sequestration and Forest Land Thinning”, *Alaska Forestry Technical Note 1*, 2008.
<https://efotg.sc.egov.usda.gov/references/public/AK/ForestryTechNote1.pdf>
141. Smith, Danna; Hanson, Chad; and Koehler, Matthew; “Logging Is the Lead Driver of Carbon Emissions from U.S. Forest, If we want to effectively mitigate climate change, it’s time for bold action to protect forestlands”, *Earth Island Journal*, 2019.
142. Wuerthner, George; “Keep Carbon In The Forest”, *The Wildlife News*, 2019.
<http://www.thewildlifeneeds.com/2019/04/11/keep-it-in-the-forest/>
143. Harmon, Mark; Pabst, Rob; and Thomas, Duncan, Nate L. Stephenson of the U.S. Geological Survey Western Ecological Research Center and Oregon State University, “Oldest trees are growing faster, storing more carbon as they age”, 2014.
<https://today.oregonstate.edu/archives/2014/jan/oldest-trees-are-growing-faster-storing-more-carbon-they-age>
144. Wagner and Mclaughlan, Forestry Research Partnership, 1996
https://www.forestresearch.ca/index.php?option=com_content&view=article&id=216:vegetation-management-mnr&catid=41:other-projects
145. Bailey, Jim Dr., *Healthy Forests: Science or Slogan*, 2017.
146. Beans, Laura, “Importance of Old Growth Forests: Carbon Capture Potential Grows with Age”, *EcoWatch*, 2014.
<https://www.ecowatch.com/california-schools-organic-food-2636703661.html>
147. Lee, Derek E, Phd., “Proposed forest thinning will sabotage natural forest climate adaptation, resistance to drought, fire, insect outbreaks”, *Phys.Org*, 2017.
<https://phys.org/news/2017-01-forest-thinning-sabotage-natural-climate.html>
148. *Headwaters Economics*, slideshow version 2017
https://headwaterseconomics.org/wp-content/uploads/Todays_Economy_Federal_Public_Lands.pdf
149. Rasker, Ray Phd., *Headwaters Economics*, “West Is Best: How Public Lands in the West Create a Competitive Economic Advantage”, 2012.
<https://headwaterseconomics.org/economic-development/trends-performance/west-is-best-value-of-public-lands/>
150. Talberth, John DR., “Destructive Federal Timber Sale Program Loses Nearly \$2 Billion A Year”, *Center for Sustainable Economy*. 2019.
<https://sustainable-economy.org/destructive-federal-timber-sale-program-loses-nearly-2-billion-a-year/>

151. Cole, David N., Landres, Peter B, “Indirect Effects of Recreation on Wildlife”, Knight, Richard L.; Gutzwiller, Kevin J., *Wildlife and Recreationists--Coexistence Through Management and Research*, 1995
152. Headwaters Economics, Montana Office of Outdoor Recreation, 2018.
<https://headwaterseconomics.org/wp-content/uploads/montana-outdoor-recreation-economy-report.pdf>
153. Cole, David N., Landres, Peter B, “Indirect Effects of Recreation on Wildlife”, Knight, Richard L.; Gutzwiller, Kevin J., *Wildlife and Recreationists--Coexistence Through Management and Research*, 1995. (This reference second references (Settergren and Cole 1970; Blom 1976); (Liddle and Moore 1974); (Liddle 1975; Hartley 1976); (Cole 1982; Luckenbach and Bury 1983; Cole 1993)).
154. Canfield, Jodie, et.al., Helena National Forest, written for Montana Chapter of the Wildlife Society, Chapter 6, “Ungulates, Effects of Recreation on Rocky Mountain Wildlife”, 1999.
155. Reed, Dr. Sara, Applied Conservation Science Lab, an on-line publication sponsored by Colorado State University, 2016. “Outdoor Recreation in Protected Areas Negatively Impacts Wildlife Globally”
<http://sarahreed.squarespace.com/news/2016/12/9/new-publication-outdoor-recreation-impacts-wildlife>
156. Wilkinson, Todd, Mountain Journal, “Naturalist Says Outdoor Recreation Can Have Huge Impacts on Wildlife”, 2019,
157. Manley, Tim, Montana Fish, Game and Parks, 2013.
158. Craighead, Lance, *Wilderness, Wildlife, and Ecological Values of the Hyalite-Porcupine-Buffalo Horn Wilderness Study Area*, 2015. Page 89. (This reference second references (Mattson and Knight 1991); (Kasworm and Manley 1990, Mace et al. 1996); Mace and Waller (1998)).
159. Cummings, Sean, “Atop the Ecosystem Custer-Gallatin Shines”, *Mountain Journal*, 2018. <https://mountainjournal.org/custer-gallatin-shines-in-greater-yellowstone>
160. Heath, Rebecca; “Gallatin National Forest Travel Management Plan Record of Decision”, Forest Supervisor of the Gallatin National Forest, 2006.
https://www.fs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb5133419.pdf
161. USLegal.com, <https://definitions.uslegal.com/f/forest-reserve-act/>
162. Federal Register / Vol. 77, No. 68 / Monday, April 9, 2012 / Rules and Regulations,
https://www.fs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb5362538.pdf

163. Cross, Wyatt F. et al., Montana Institute of Ecosystems, "*The Montana Climate Assessment*", Montana University System's Montana Institute on Ecosystems, in collaboration with the Montana Climate Office, Montana Water Center, and MSU Extension, 2017.
164. Barndt, Scott; Reid, Kim; Chaffin, Jake; "Assessment Forest Plan Revision, Draft Aquatic and Riparian Ecosystems Report", Custer Gallatin National Forest, 2016.
165. Furniss, Michael J. et al; "Water, Climate Change, and Forests: Watershed Stewardship for a Changing Climate"; United States Dept. of Agriculture, Forest Service publication, General Technical Report PNW-GTR-812, 2010.
https://www.fs.fed.us/pnw/pubs/pnw_gtr812.pdf
166. MacCleery, Doug; "Re-inventing the United States Forest Service: Evolution from Custodial Management, to Production Forestry, to Ecosystem Management"; Senior Policy Analyst, Forest Management Staff, USDA, Forest Service, Washington, DC.
167. Derlet, RW, et al; "Impact of summer cattle grazing on the Sierra Nevada watershed: aquatic algae and bacteria", National Center for Biotechnology Information, 2012. <https://www.ncbi.nlm.nih.gov/pubmed/22505950>
168. Derlet, RW; Carlson JR; "Coliform bacteria in Sierra Nevada wilderness lakes and streams: What is the impact of backpackers, pack animals and cattle?"; National Center for Biotechnology Information, 2006.
<https://www.ncbi.nlm.nih.gov/pubmed/16538940>
169. Brock, John H; Green, Douglas M; "Impacts of Livestock Grazing, Mining, Recreation, Roads, and other Land Uses on Watershed Resources", Journal Storage, Journal of the Arizona-Nevada Academy of Science. 2003.
<https://www.jstor.org/stable/40056923?seq=1/subjects>