

March 22nd

- Keane, R. E., R. A. Loehman, L. M. Holsinger, D. A. Falk, P. Higuera, S. M. Hood, and P. F. Hessburg. 2018. Use of landscape simulation modeling to quantify resilience for ecological applications. *Ecosphere* 9:e02414.
- Loehman, R. A., J. A. Clark, and R. E. Keane. 2011. Modeling Effects of Climate Change and Fire Management on Western White Pine (*Pinus monticola*) in the Northern Rocky Mountains, USA. *Forests* 2:832-860.
- *The entire talk is based on this paper:* Loehman, R. A., R. E. Keane, and L. M. Holsinger. 2020. Simulation Modeling of Complex Climate, Wildfire, and Vegetation Dynamics to Address Wicked Problems in Land Management. *Frontiers in Forests and Global Change* 3.
- Keane, R. E., L. M. Holsinger, M. F. Mahalovich, and D. F. Tomback. 2017. Evaluating future success of whitebark pine ecosystem restoration under climate change using simulation modeling. *Restoration Ecology* 25:220-233.
- Keane, R. E., S. M. Hood, R. A. Loehman, L. M. Holsinger, P. Higuera, and D. A. Falk. 2020. Using Landscape Simulation Modeling to Develop an Operational Resilience Metric. Pages 294-301 in *Fire Continuum-Preparing for the future of wildland fire*. U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station, Missoula, Montana.
- [The FireBGCv2 Landscape Fire Succession Model](#)
- Clark, J. A., R. A. Loehman, and R. E. Keane. 2017. Climate changes and wildfire alter vegetation of Yellowstone National Park, but forest cover persists. *Ecosphere* 8:e01636-n/a.
- [Fire deficit increases wildfire risk for many communities in the Canadian boreal forest](#)
- [Wildland fire deficit and surplus in the western United States, 1984–2012](#)
- [BC fire media](#)
- [UBC Tree Ring Lab Research Projects](#)
- Recommended book: [How wildfire will shape our future](#)

March 23rd

- Map of [Indigenous lands](#)
- [CSKT's online educational resources](#), which includes a learning tool on Fire
- Northern Rockies Fire Science Network TK & Fire [newsletter](#) (lots of article links)
- Crown Managers Partnership [Fire History from 1980 to 2017](#)
- [Getting back to fire suméš: exploring a multi-disciplinary approach to incorporating traditional knowledge into fuels treatments](#)
- [Tribal fire and forest management: Confederated Salish-Kootenai fire history, philosophy, and resource management strategies](#)
- [CSKT Climate resiliency site](#)
- Huckleberry production and TEK [storymap](#)

- USFS research by Charnley and Wendel: [Working with tribes to document traditional ecological knowledge about fire and huckleberry production](#)
- [Traditional knowledge of fire use by the Confederated Tribes of Warm Springs in the eastside Cascades of Oregon](#)
- Graves' research on huckleberries
 - <https://www.usgs.gov/center-news/new-study-highlights-potential-future-impact-s-climate-change-huckleberry-pacific>
 - <https://www.sciencedirect.com/science/article/abs/pii/S0168192319304198>
 - <https://www.nps.gov/articles/bears-berries-bees.htm#12/48.5684/-114.0182>
- response of BC ecosystems and plants to fire
 - Db2020.net
 - Bvcentre.ca
- More information on Fire with Fire can be found here: <https://resiliencinstitute.ca/project/fire-with-fire/>
- Participatory Videos made by Kainai First Nation: <https://www.youtube.com/channel/UCuxj5RqM99ll4rwubnLFJYw>
- Linking Indigenous Peoples' Knowledge and Western Science in Natural Resource Management: A Dialogue. By Henry Michel and Don Gayton <https://jem-online.org/index.php/jem/article/view/226>
- work Missoula, MT is doing with community - that developed climate action plan for the community: <https://www.ci.missoula.mt.us/1709/Conservation-Climate-Action-Plan#:~:text=The%20City%20of%20Missoula%20Conservation,greenhouse%20gas%20emissions%2C%20practicing%20fiscal>
- an online compilation of resources about TK and fire - <https://www.nrfirescience.org/hot-topics/fire-traditional-knowledge>
- Returning fire to the land - Celebrating traditional knowledge and fire - this publication summarizes the insights from two workshops on integrating TK into fire management - <https://www.nrfirescience.org/resource/15224>
- The Fires of Spring, a film made by anthropologist Henry Lewis in the 1960s, about Indigenous cultural burning in Northern Alberta <https://www.youtube.com/watch?v=XX0rhYqkC4Q>
- [Forgotten Fires: Native Americans and the Transient Wilderness](#), by Omer Stewart. A fascinating book, first published in the 1950's.

March 24th

- [Research Perspectives on the Public and Fire Management: A Synthesis of Current Social Science on Eight Essential Questions](#)
- [Social Science at the Wildland-Urban Interface: a Compendium of Research Results to Create Fire-Adapted Communities](#)
- [Social Science to Improve Fuels Management: A Synthesis of Research Relevant to Communicating with Homeowners About Fuels Management](#)

- [Public Perspectives of Fire Management](#)
- [Exploring wildfire-prone community trust in wildfire management agencies](#)
- [Living with fire: how social scientists are helping wildland-urban interface communities reduce wildfire risk](#)
- Wildfire and prescribed burning impacts on air quality in the United States - <https://www.fs.usda.gov/treesearch/pubs/61832>
- NWCG Smoke Management Guide for Prescribed Fire - <https://www.nrfirescience.org/resource/17372>
- NWCG Smoke and Roadway Safety Guide - <https://www.nwcg.gov/sites/default/files/publications/pms477.pdf2020>
- Prescribed Fire Use Report - <https://www.stateforesters.org/wp-content/uploads/2020/12/2020-Prescribed-Fire-Use-Report.pdf>
- AirNow Fire and Smoke Map - <https://fire.airnow.gov>
- Policy barriers and opportunities for prescribed fire application in the western United States - [http://www.nwfirescience.org/sites/default/files/publications/NWFSC_RB22_RxFirePolicy%20\(002\)_0.pdf](http://www.nwfirescience.org/sites/default/files/publications/NWFSC_RB22_RxFirePolicy%20(002)_0.pdf)
- Bartuszevige, A.M., and P.L. Kennedy. 2009. Synthesis of knowledge on the effects of fire and thinning treatments on understory vegetation in U.S. dry forests. Special Report 1095, Oregon State University, Corvallis Oregon.

March 25th

- [Warmer and drier fire seasons contribute to increases in area burned at high severity in western US forests from 1985-2017](#)
- Interagency Fuel Treatment Decision Support System - <https://iftdss.firenet.gov/>
- WFDSS - wildland fire decision support system - https://wfdss.usgs.gov/wfdss/WFDSS_Home.shtml
- A wildfire risk assessment framework for land and resource management - <https://www.nrfirescience.org/resource/12445>
- 2009 Wildland Fire Policy Guidance - <https://www.doi.gov/sites/doi.gov/files/uploads/2009-wfm-guidance-for-implementation.pdf>
- LANDFIRE Home - <https://www.landfire.gov/>
- Assessing risks and benefits video - 12 min - <https://www.youtube.com/watch?v=2zD2OBxWryY>
- NWCG Fire Behavior Subcommittee - <https://www.nwcg.gov/committees/fire-behavior-subcommittee>
- reports on the meta analysis of fire effects on vegetation and ecosystems in BC are at www.db2020.net

March 26th

- More information about BC Rangelands for those who are interested though mixes revised since 2003: <https://www2.gov.bc.ca/gov/content/industry/rangelands>
- Seeding document (2017):
https://www2.gov.bc.ca/assets/gov/farming-natural-resources-and-industry/rangelands/postfire_wildfire_seeding_revised_2017.pdf
- Link to BC Rangeland Seeding manual:
https://www2.gov.bc.ca/assets/gov/farming-natural-resources-and-industry/rangelands/bc_rl_seeding_manual_web_single_150dpi0904.pdf
- A post wildfire study was also done in Bull Canyon wildfire:
<https://www2.gov.bc.ca/assets/gov/farming-natural-resources-and-industry/forestry/frep/frep-docs/frep-bullcanyonfireseeding-v2b.pdf>
- <https://www.archaeology.org/issues/378-2005/features/8594-wyoming-rockies-settlements>
- US WBP listing proposal. comments closed Feb 1 2021, decision pending:
<https://www.federalregister.gov/documents/2020/12/02/2020-25331/endangered-and-threatened-wildlife-and-plants-threatened-species-status-for-pinus-albicaulis>
- Hood/Keane article - A burning paradox: Whitebark is easy to kill but also dependent on fire - https://www.fs.fed.us/rm/pubs_journals/2020/rmrs_2020_keane_r003.pdf
- Here's the Keane pub Michael referenced - Managing Wildfire for Whitebark Pine Ecosystem Restoration in western North America -
<https://www.nrfirescience.org/resource/18304>
- [Guidelines and Best Practices for Managing Fire in Whitebark Pine Stands in the Crown of the Continent](#)
- Here are some additional resources on whitebark pine restoration -
<https://www.nrfirescience.org/hot-topics/whitebark-pine-restoration-and-management>
- Ghost Forests - documentary on Whitebark Pine in the CCE
-<https://www.montanapbs.org/programs/ghost-forests/>
- The BC government has a forest carbon program which include a research program. Information on the research program will be added in the near future. The link is
<https://www2.gov.bc.ca/gov/content/environment/natural-resource-stewardship/natural-resources-climate-change/natural-resources-climate-change-mitigation/forest-carbon-initiative>