

Fuelbeds" are a set of descriptors used to quantify the amount of flammable materials in a forest. They are based on landscape and eco-physiological variables. IGERT students discovered that bad data was driving bad policy on the Reservation of the Confederated Salish and Kootenai Tribes (CSKT). This participatory action research project developed more accurate data sets to describe fuel beds that were consistent with the environmental goals and management practices of the tribe. Modified fuelbeds were designed based on Bureau of Indian Affairs – CSKT continuous forest inventory data. A seral class approach was used and combined with fire regime condition class information then, applied to the landscape to create the modified fuelbed. This crosswalk of data served as the Nation's first example of triballydriven corrections for a federal fuel modeling system. The discovery that bad data was driving bad policy on the CSKT reservation resulted in a major restoration of funding for forest and fuels management on the reservation.

Introduction

Originally this project was derived from a need to determine biomass estimates across the Confederated Salish & Kootenai Tribes' reservation. In concert with previous UW IGERT research, LANDFIRE & the Fuel Characteristic & Classification System (FCCS) were chosen due to the nationally consistent high resolution 30m data sets. The resulting data sets contain customized fuelbeds while also providing for a means to determine biomass.



Pre modification data was derived from the LANDFIRE data. The FCCS modified fuelbeds incorporated SERAL CLUSTER designations.

The CSKT, SERAL CLUSTER is a simplistic method for classifying timber and vegetation based upon structure and composition. Variables identified within the seral class designations include (in part): Size and age for trees, for the most dominant tree layer. Stand density (canopy closure) and determination of multi or single storied stand along with shade tolerant (climax) or shade intolerant (seral) species. This type of stand level data was then combined with plot level Continuous Forest Inventory Data information within FCCS.





Bad Data Makes Bad Policy In Fire-prone Communities

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Methods





Abstract

Durglo, Joe. Letter to Department of Interior, Honorable Salazaar. 2012, February 29. Confederated Salish and Kootenai Tribes, Tribal Chairman. 2. Blythe, Larry. Letter to the Rhea Suh, Department of Interior, Assistant Secretary Policy-Budget and Management. 2012, March 29. President, Intertribal Timber Council 4. Johnson, R., G. Barnes, K. Gollnick-Waid, J. Wallace, A. Bundshuh, S. Goodman, and Jerry Szymaniak. 2011. Ecosystem management decision support (EMDS): Summary of fiscal year 2011 results. Prepared for the National Wildfire Coordinating Group Fuels Management Committee. BLM/OC/ST-11/004+9217+rev. U.S. Department of the Interior, Bureau of Land Management, Denver, CO management decision support (EMDS): Summary of fiscal year 2011 results. Prepared for the National Wildfire Coordinating Group Fuels 6. United States Government Accountability Office (GAO). Report to Congressional Requesters. Wildland Fire Management: Better Information and a Systematic Process Could . James, Laurel Lynn. National to Local: A pre & post assessment of the Fuel Characteristic Classification System (FCCS) landscape variables for the Confederated Salish and

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Bioresource-For Sustainable Societies

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LANDFIRE mapping project. The policy from the Department of Interior, was to establish

Once HFPAS was implemented (February 2011) immediate impacts to the tribe were

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