

2005 Fall Meeting
Search Results

Cite abstracts as **Author(s) (2005), Title, *Eos Trans. AGU*, 86(52), Fall Meet. Suppl., Abstract xxxxx-xx**

Your query was:
houser

HR: 0800h

AN: G11A-1190

TI: [Use of Land Information System Products to Monitor and Forecast Drought and Flood Conditions in the Columbia River Basin](#)

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AB: The Land Information System (LIS) software employs land surface models (LSMs) and can incorporate improved land surface parameters and assimilate appropriate, quality-controlled remote sensing and in-situ fields. These enhanced models produce a wide range of water and energy budget variables that can be used in modeling and predicting drought and flood conditions. One region that LIS is being customized for involves the Columbia River Basin in Washington where major flood and drought events have occurred in the recent past. The meteorological forcing fields used to drive and the parameter files used in the LSMs are validated against other in-situ or satellite datasets to determine their level of accuracy and their impact on the LSMs. The LIS output products are also validated against observations and are to be tested and evaluated in the U.S. Bureau of

Reclamation decision support systems, like RiverWare. Some of the products include snow cover, snow water equivalent, land surface temperature, and evapotranspiration. Results from the LIS LSM experiment runs will be compared with observations and will be presented at the meeting.

UR: <http://lis.gsfc.nasa.gov>

DE: 0466 Modeling

DE: 1818 Evapotranspiration

DE: 1855 Remote sensing (1640)

SC: Geodesy [G]

MN: Fall Meeting 2005

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