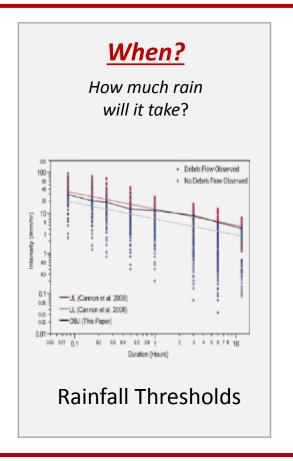
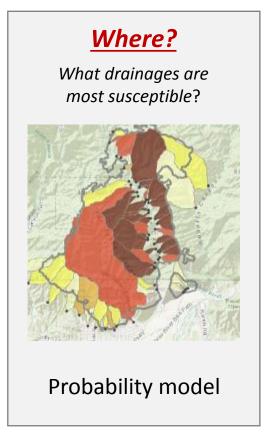


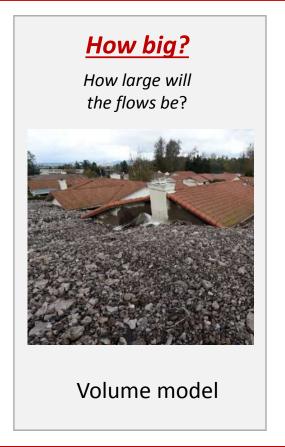


USGS debris-flow models help answer key questions after wildfire:

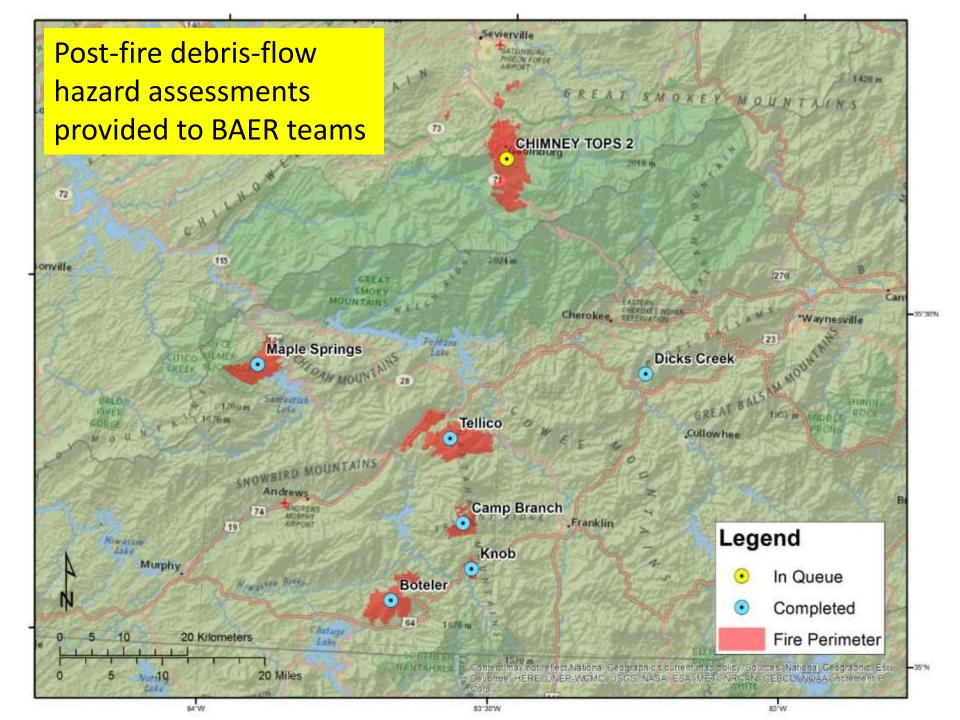








- Models developed with data from the western U.S.
- Applicable to debris flows triggered by short-duration, high intensity rainfall
- This is the first time the models have been applied in the eastern U.S.



Streamflow and Flood Monitoring Above Gatlinburg



telemetry which can be used by local, state, NPS, and NWS officials for flood warning and water quality monitoring, as well as to provide data to monitor post-fire restoration and remediation

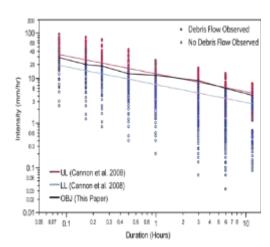
Conduct follow up research in the years after the fire:











- USGS and North Carolina Geological Survey operate three landslide monitoring sites in unburned areas of North Carolina.....but little is known about landslides after wildfire in Appalachia.
- Collect post-fire data at select sites and assess how well current tools answer the <u>When?</u>, <u>Where?</u>, and <u>How Big?</u> landslide questions.
- Data will be used to improve models and rainfall thresholds for Appalachian burn areas if necessary.