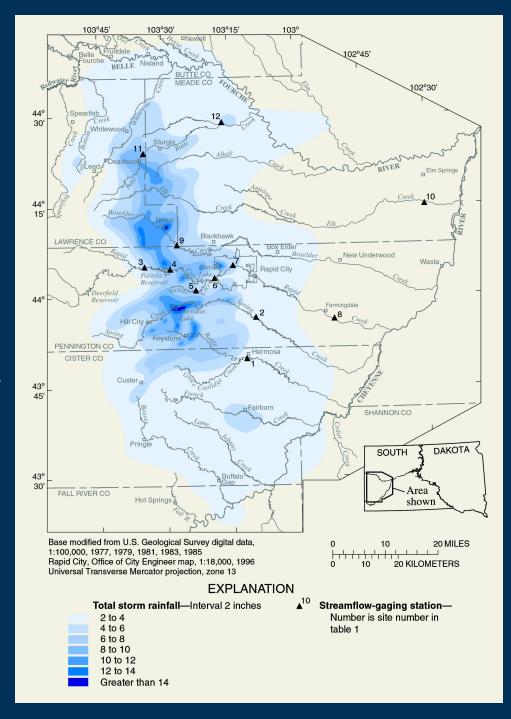


June 9-10th, 1972:

- Mesoscale convective complex
- 25+ cm of rain over 150 square kilometers
- 240 fatalities
- \$160 million damage (roughly \$664+ million in 2009 dollars)

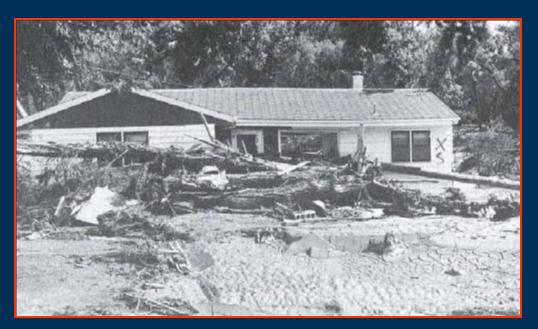






Rapid Creek























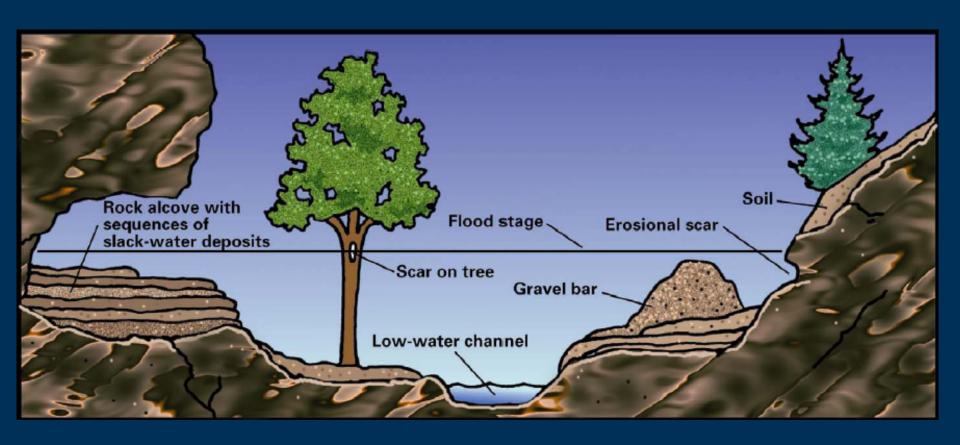






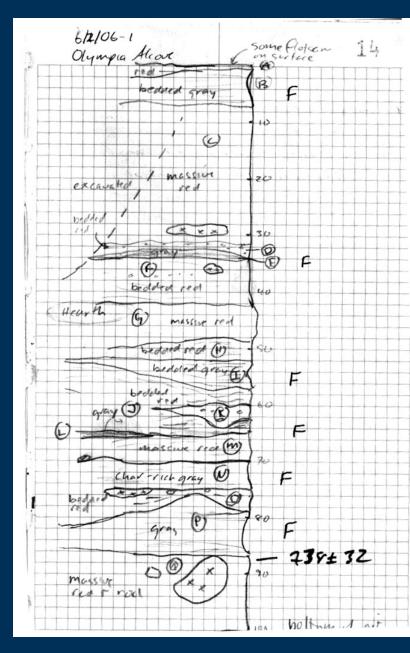


"Paleoflood" Hydrology





Stratigraphy

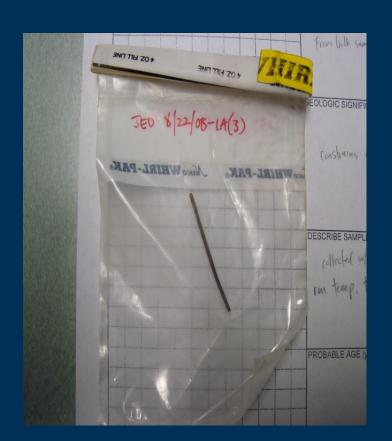






Geochronology

- 14C (99 analyses)
- Optically stimulated luminescence (10 analyses)
- Cesium-137 (7 analyses)

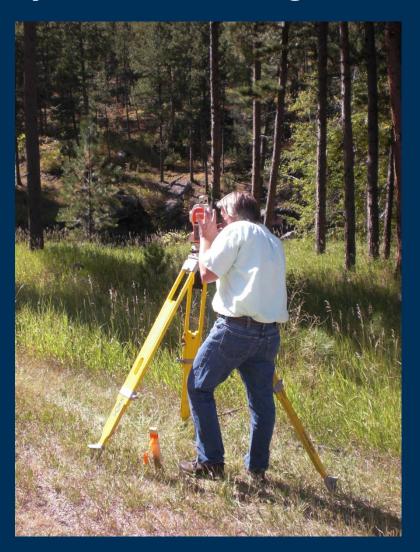


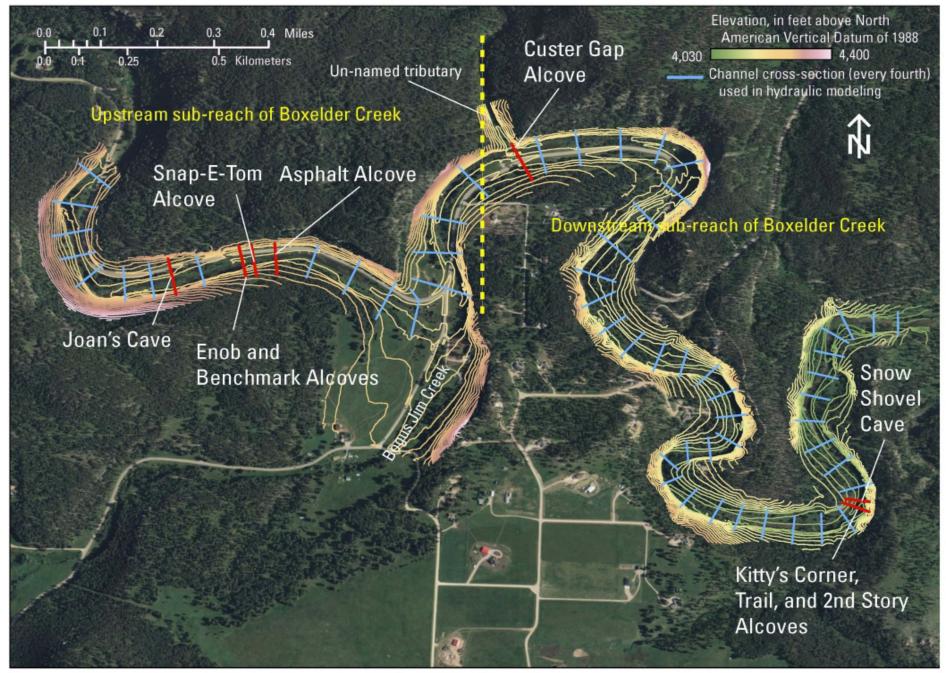


Flood Discharge

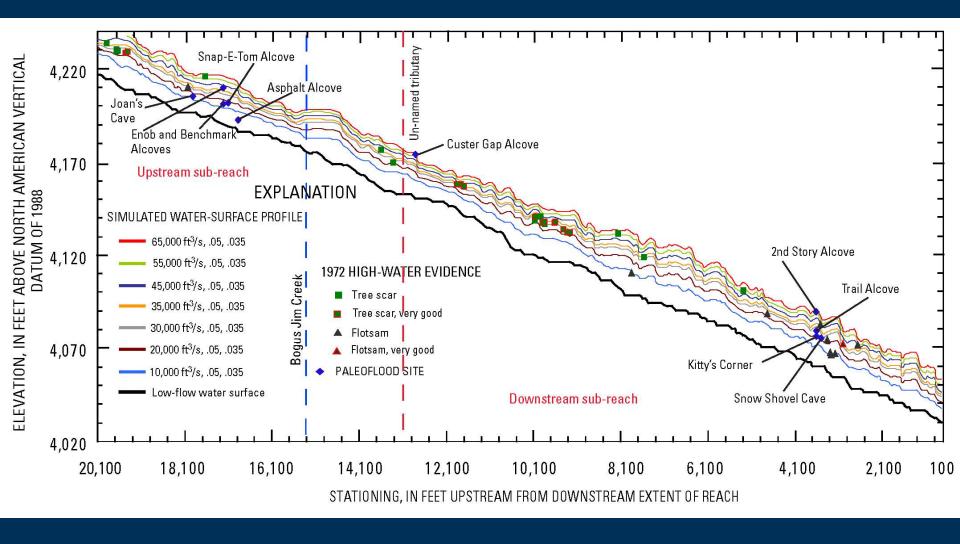
- Deposit elevation is minimum indicator of flood stage
- Stage related to discharge by hydraulic modeling



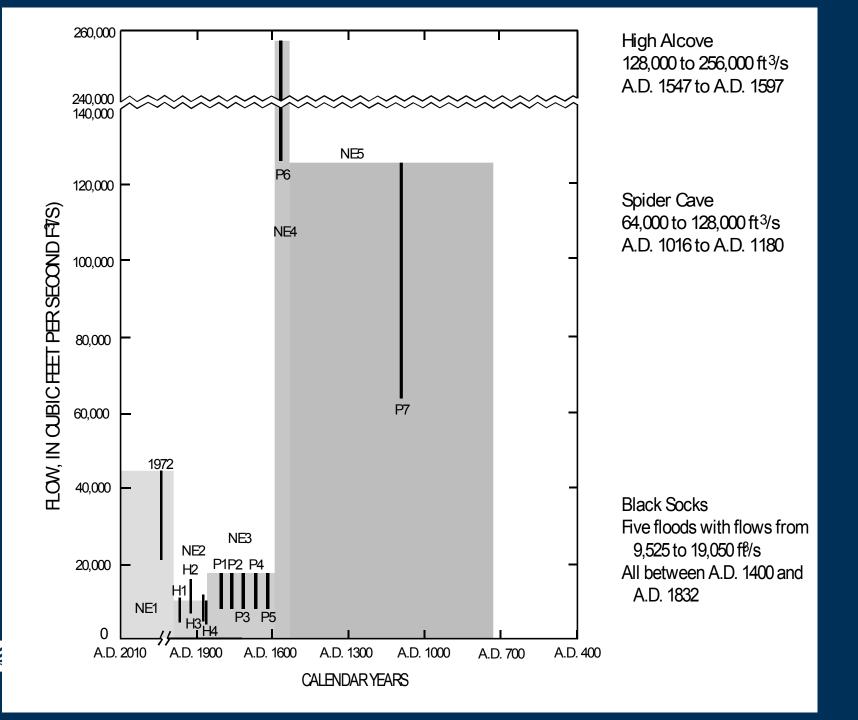




Base modified from ESRI digital data. Projection: Lambert Conformal Conic, State Plane, South Dakota. North American Datum 1983, 1:9,500, False easting = 1968500, False northing = 0.

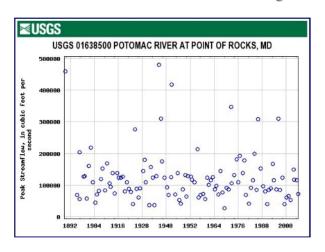


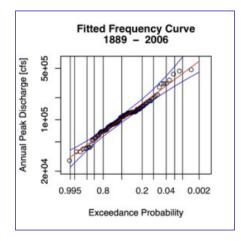




Welcome to the Unofficial PeakfqSA/EMA-Peak Home Page

hosted by <u>Tim Cohn</u> 25 August 2007





Introduction

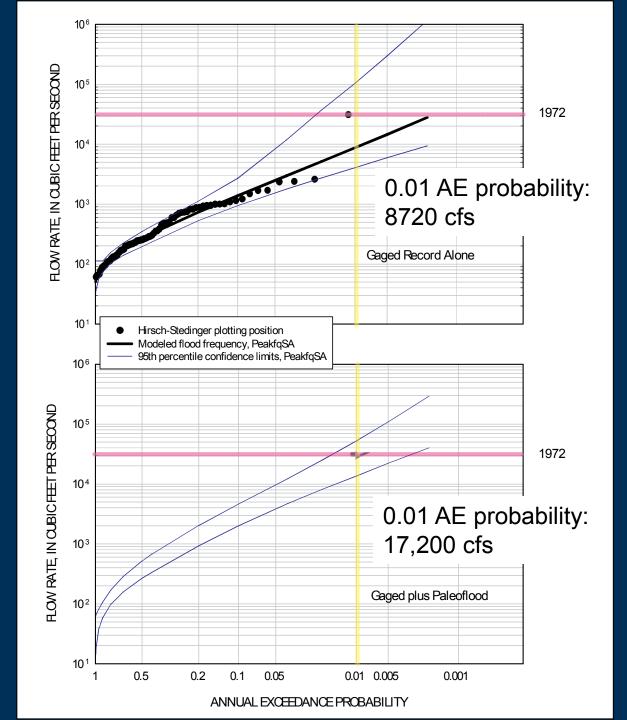
PeakfqSA/EMA-Peak is an implementation of the Expected Moments Algorithm (EMA) for flood frequency analysis. It is intended to serve the same purpose as PEAKFQ, the current and official flood frequency program supported by USGS.

Statistical Aspects of PeakfqSA

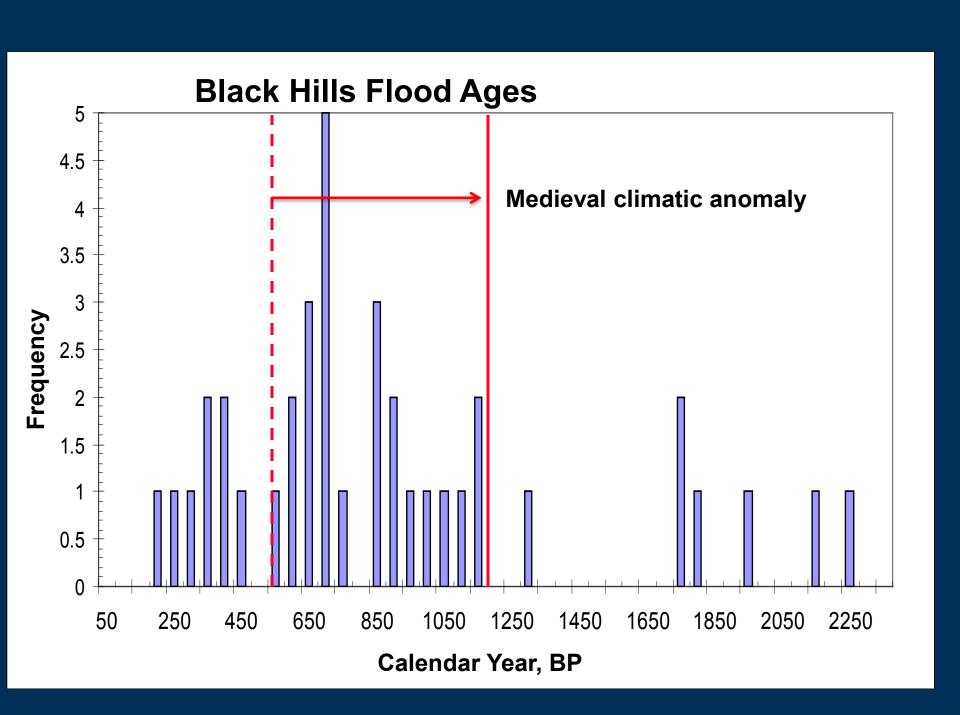
PeakfqSA uses <u>Cohn et al.'s (1997)</u> Expected Moments Algorithm to estimate flood frequency based on at-site ("Station") systematic and historical annual peak flow data possibly combined with regional ("Generalized") flood frequency information. PeakfqSA/EMA-Peak is documented in a set of papers published in <u>Water Resources</u> <u>Research</u> (see below).

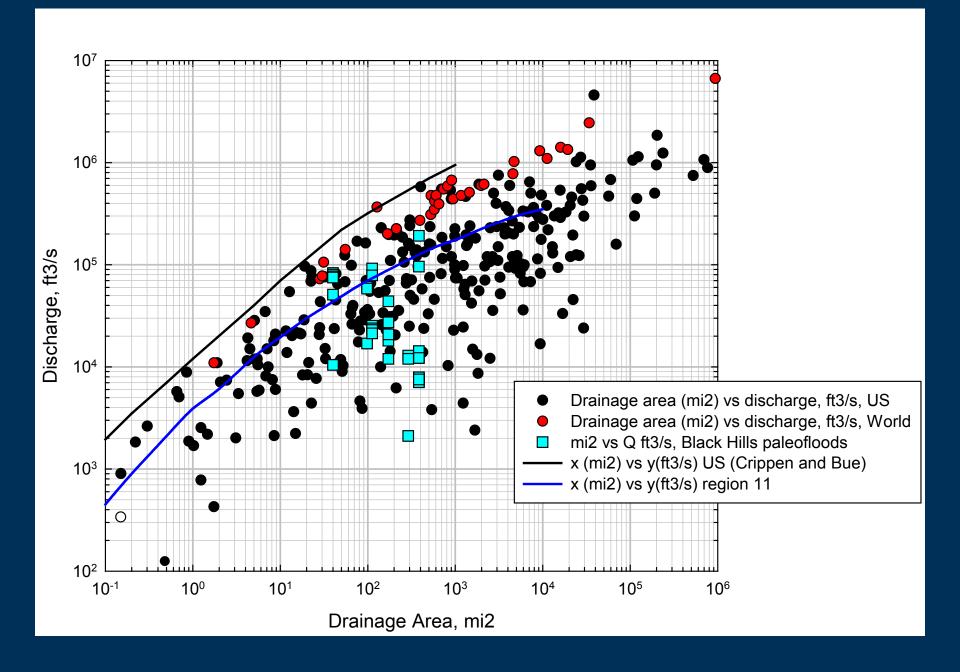


PeakFQSA Results









Potomac ???

C & O CANAL NHP REGULATIONS

Park Closed Sunset to Sunrise
Camping and Fires in Designated Area
Fishing in Accordance with State Law

Prohibited:
Pets Off Leash
Alcoholic Beverages
Hunting and Weapons

Digging, Collecting, Removing any Natural or Cultural Resources

Report Suspicious Activity to any Park Employee or call 1-886-677-6677

EMERGENCY DIAL 911

