Image Sequence....
Image Sequence...with River traces...
2006
A River on the Move...
**Notes/Thoughts/Quantifying**

Length Increase – Sinuosity Increase – SLOPE decrease!
- Coming into equilibrium with higher discharges...due to urbanization upstream?

Cut-bank migration and point bar growth...certain places appear to have much faster rates of movement than others...
  - some banks stabilized by humans (boulders/structures in place)

Avulsion in the southern part of the focus area!

Role of big floods (1995, 1999)...taking out trees, bank cohesion...river banks were more stable, trees were preventing cut bank erosion, once gone (big floods), cut-bank erosion takes off...
USGS Gage ~5 km upstream of our field site....
Downstream of major urban area... Colorado Springs!
Fountain Creek USGS Gage (5 miles upstream, no significant tributaries)… Peak magnitudes increasing? Urbanization…???
Field Photos....
Example Cross-section...Oct. 2008
Bigger Picture....