Use of Stream-Gage Information to Assess Changes in River-Channel Morphology

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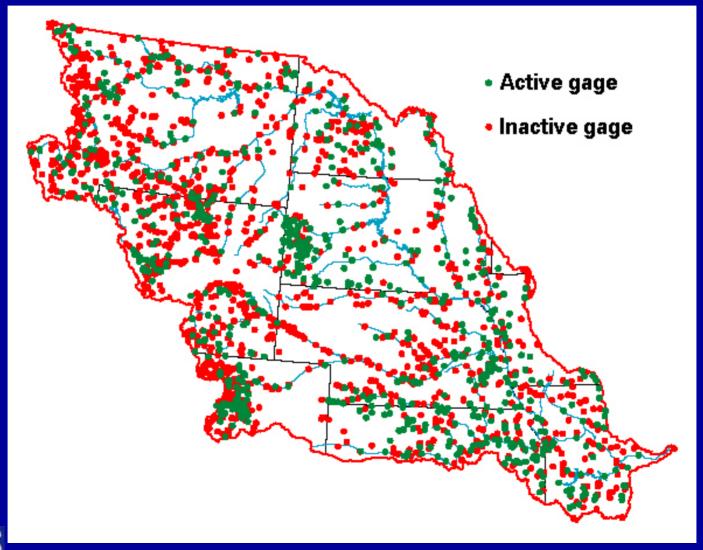


Missouri River Basin





Missouri River Basin



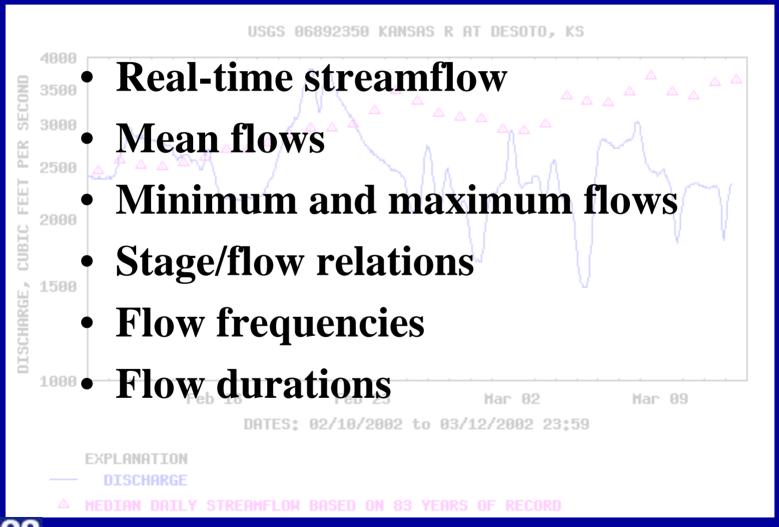


Streamflow Information from Gages

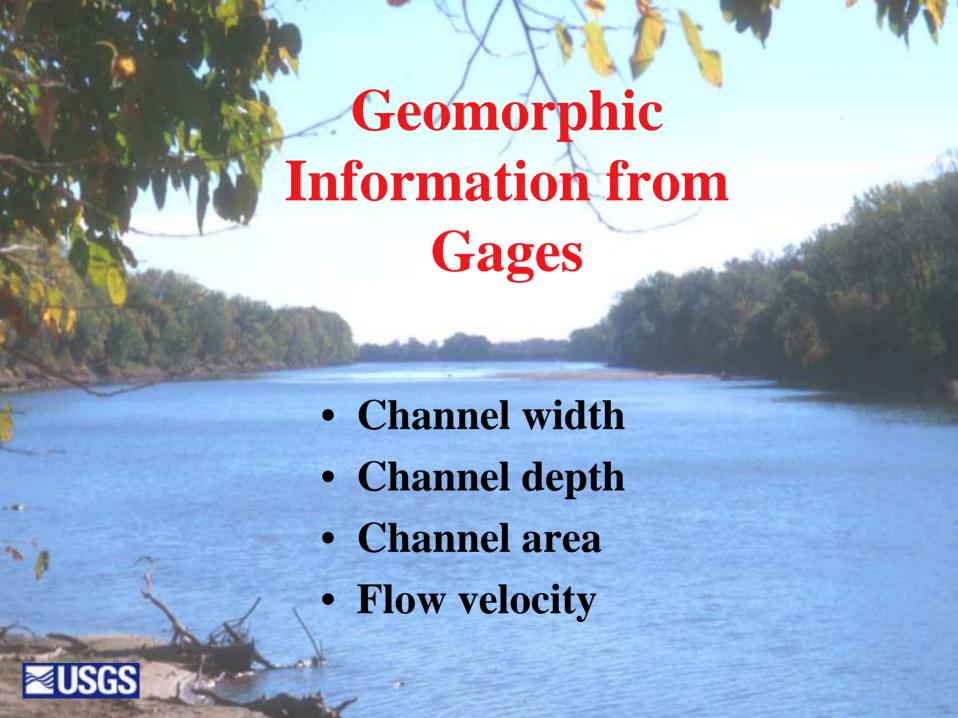




Streamflow Information from Gages



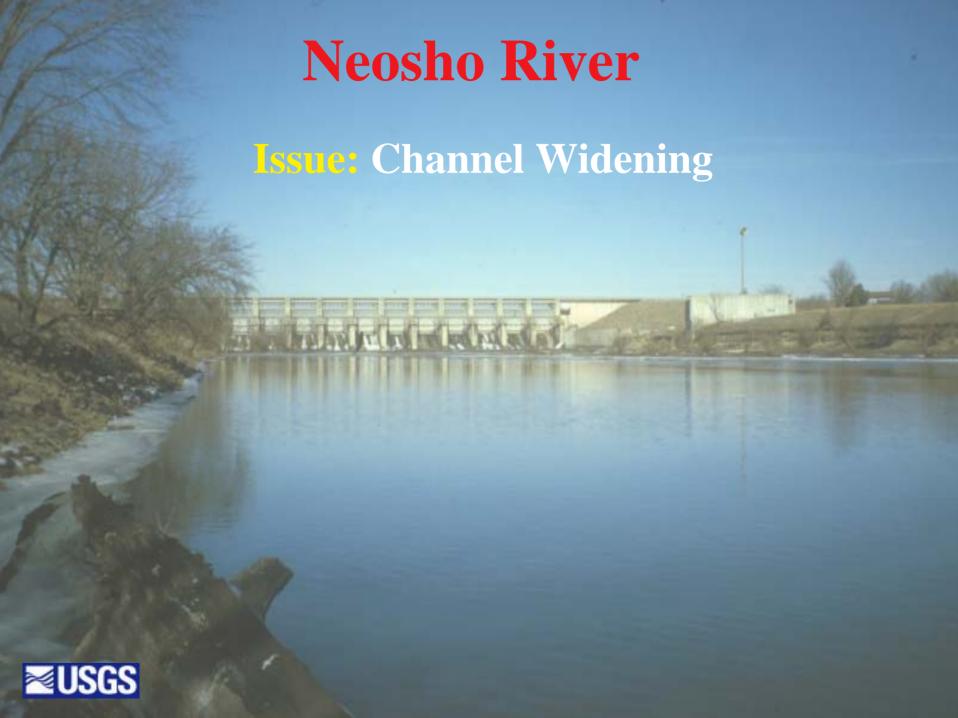




Geomorphic Applications

- Document channel changes
- Partly reconstruct historical conditions
- Infer causes of channel change
- Estimate future channel changes

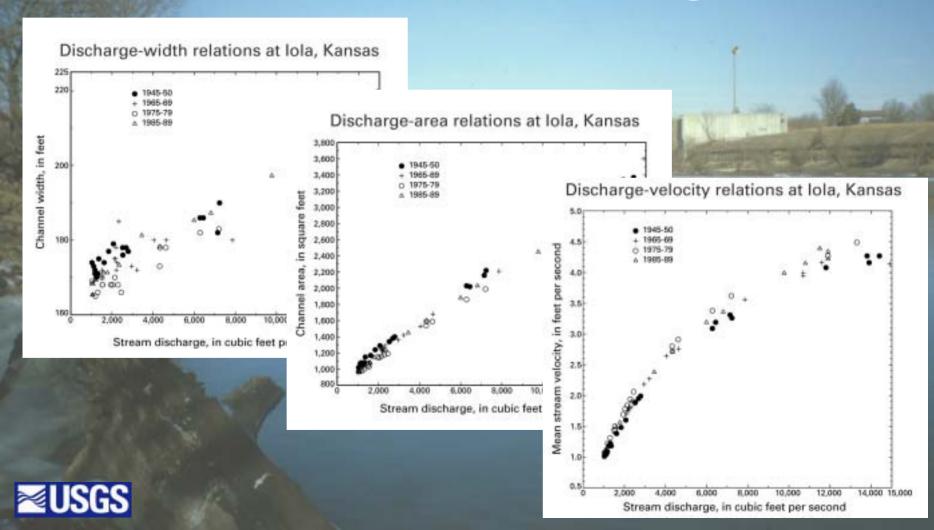






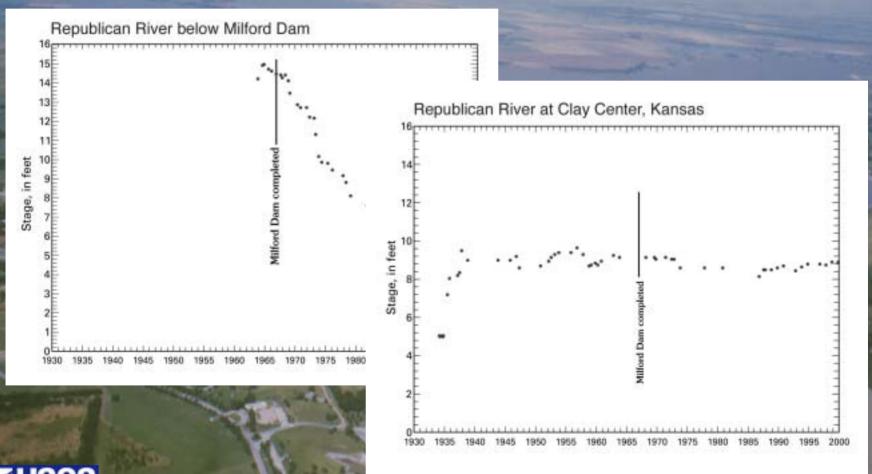
Neosho River

Issue: Channel Widening



Reservoirs

Issue: Channel-Bed Degradation



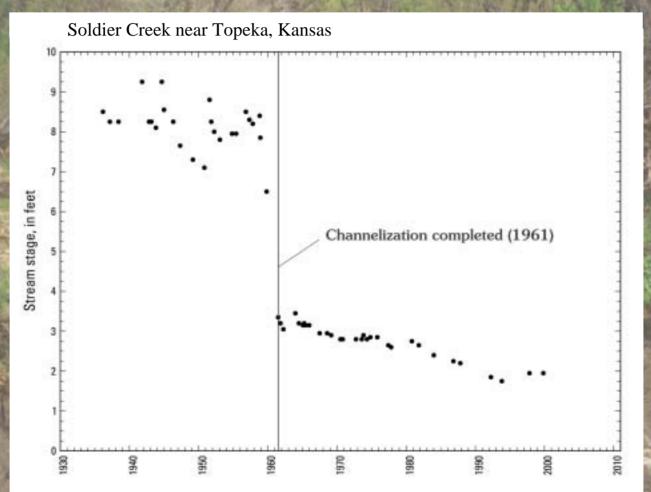


Issue: Channel Change due to Multiple Disturbances



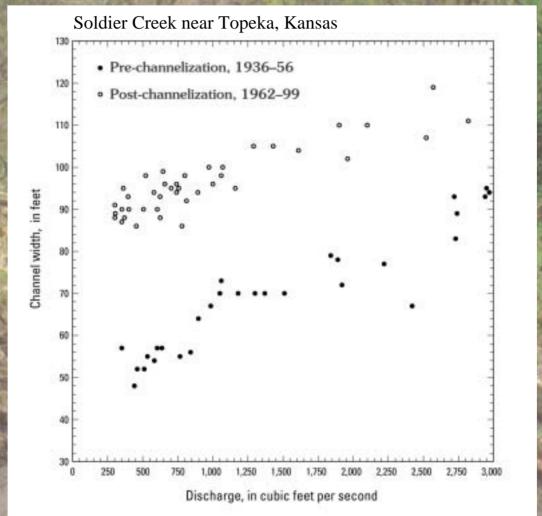


Lssue: Channel Change due to Multiple Disturbances



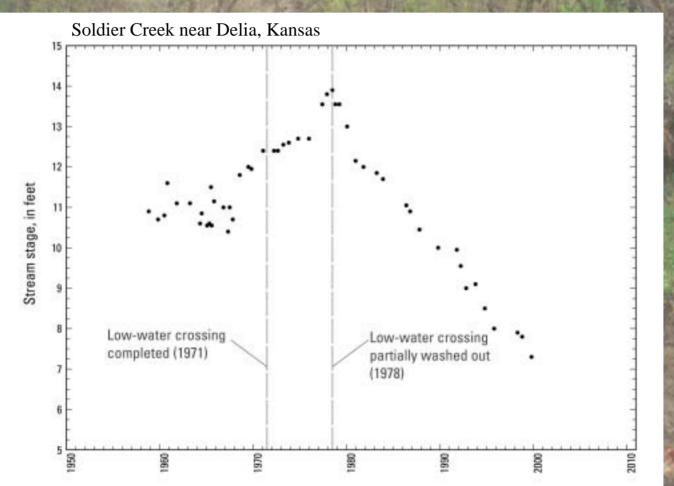


Issue: Channel Change due to Multiple Disturbances



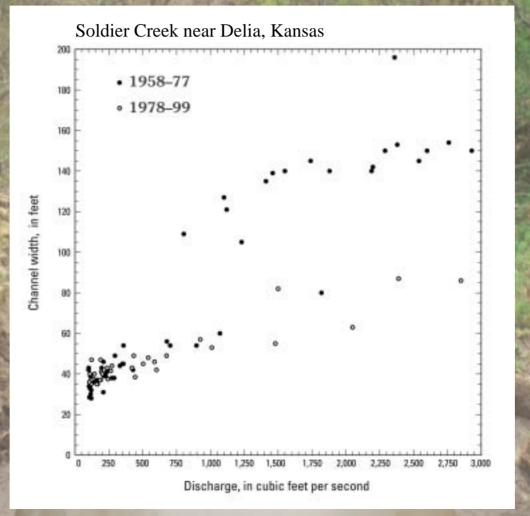


Lssue: Channel Change due to Multiple Disturbances



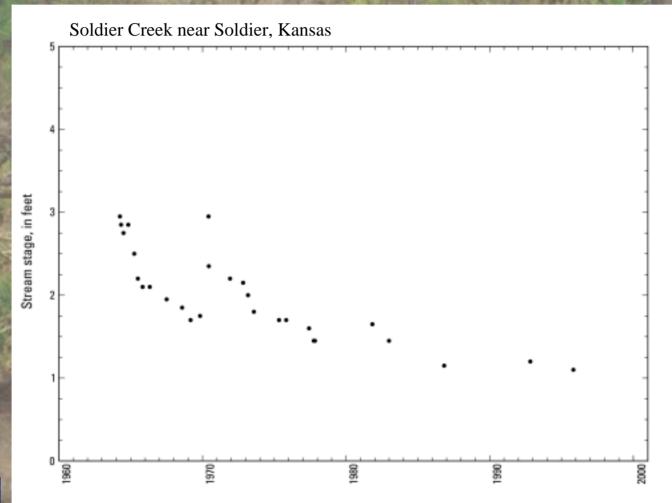


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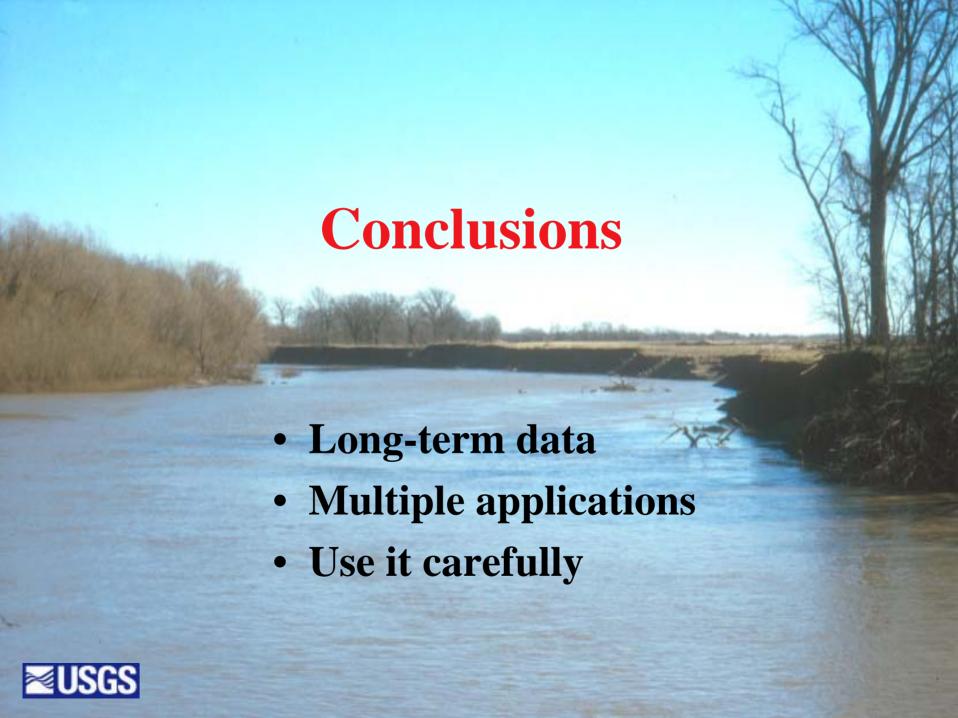


Lssue: Channel Change due to Multiple Disturbances









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