


MODELING SURFACE RUNOFF AND CONTAMINANTS IN LARGE METROPOLITAN REGIONS

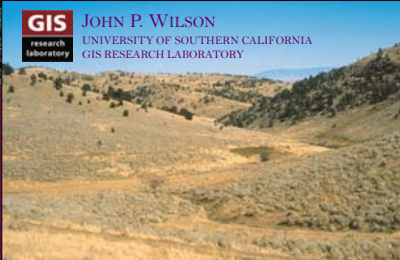


SOUTHERN CALIFORNIA BIGHT CLIMATE CHANGE WORKSHOP

27 OCTOBER 2010

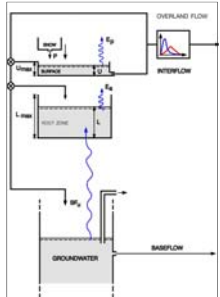
GIS research laboratory

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MIKE BASIN

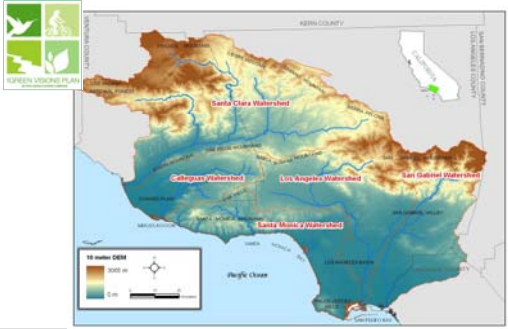
- Prepared model and data
- Calibrated rainfall-runoff relationships
- Calibrated delivery and transport of contaminants
 - NO₃-N, NH₃-N
 - Total P
- Validated rainfall-runoff and water quality predictions




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Green Visions Project Study Area



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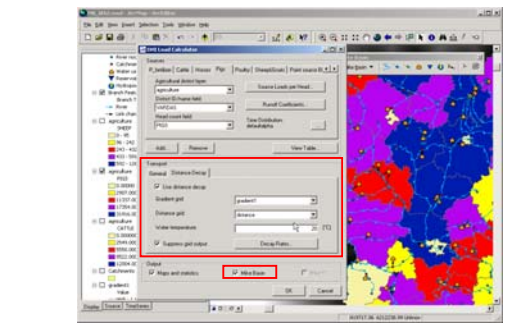
Los Angeles Basin ...




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User Interface – WQ Module




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Spatial Granularity – LA River

- Drains 2,002 km²
- 1,783 unique stream segments (links) in NHD Plus
- 171 tributaries and sub-catchments used for MIKE BASIN model runs
- 11.7 km² (1,171 ha) minimum map unit



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