

IGSM2 Activities During 2003

(Integrated **G**round water – **S**urface water **M**odel)

California Water and Environmental Modeling Forum

Asilomar Conference Center, California

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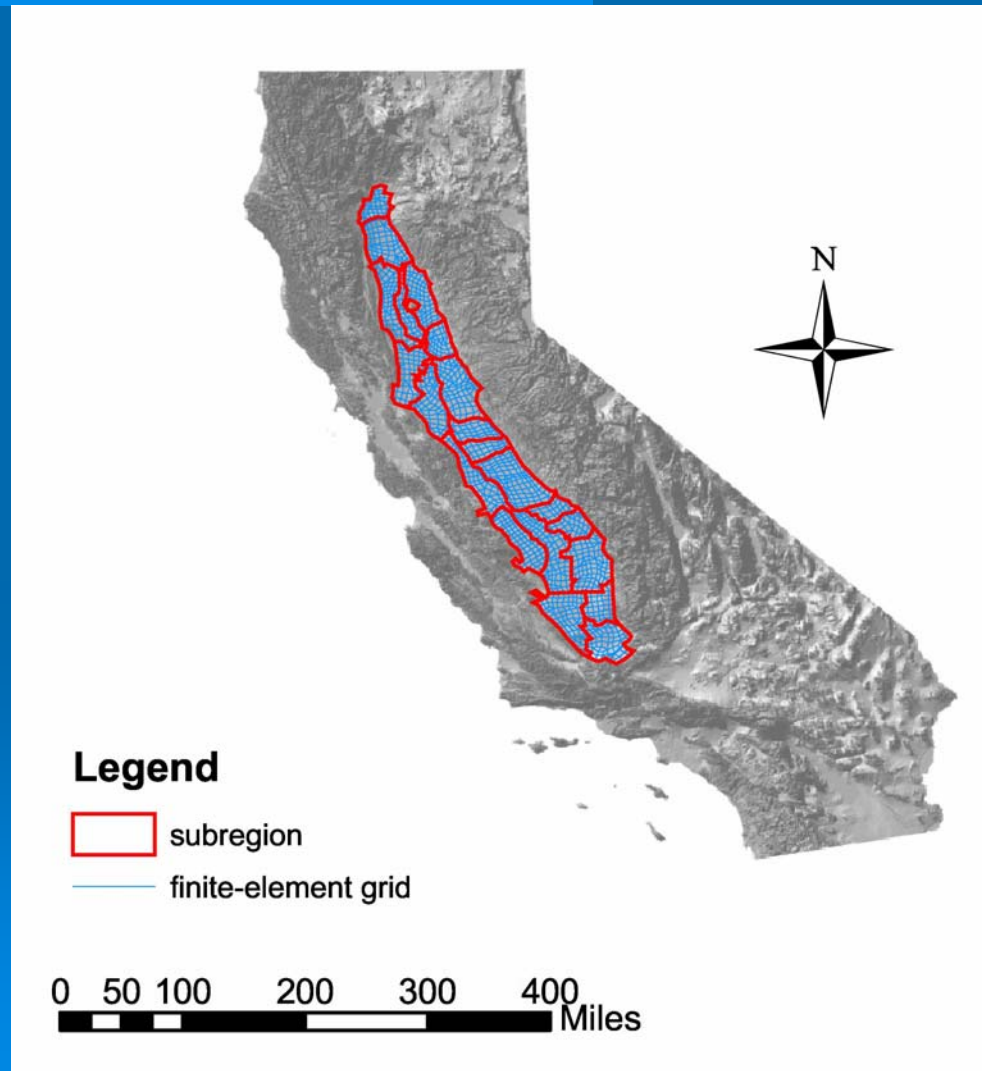
Key New Features in IGSM2 (v2.0)

- Time step is user defined (variable)
- Budget tables are improved
- Surface water – ground water interactions are non-linearized and solved simultaneously
- Option for automated adjustments to surface water diversions and ground water pumping to balance supply and demand
- Improved documentation (Theoretical Documentation, User's Manual, Training Problem Sets)



Application: CVGSM2

(Central Valley Ground water – Surface water Model 2)



Initiate Calibration of CVGSM2

- **Extend simulation period 1922-1998**
- **Simulate using daily time step**
 - Daily precipitation to compute runoff
 - No overland routing or stream routing yet
- **Revisit previous CVGSM input data**
- **Begin calibration process of CVGSM2**



Public Workshops on IGSM2 (version 2.0)

- Two workshops sponsored by CWEMF
- Four day workshop December 15-18, 2003 for new users of IGSM2 (Total 18 attended)
- One day workshop December 19, 2003 for experienced users of IGSM2 (Total 13 attended)
- Source codes, executables, documentation, workshop presentations and problem sets posted on DWR website
- Continued technical support



IGSM2 User's Group Meetings

- **Three meetings held 2003:**
 - April 18, 2003
 - June 27, 2003
 - September 5, 2003
- **Meeting scheduled for November 2003 postponed due to closeness to training workshops**
- **All meetings well attended (15-20)**
- **Good forum to update IGSM2 enhancements, seek input on future needs, and share experiences with applications**



Activities for 2004

- **New enhancements to IGSM2 (v2.0)**
- **Initial calibration/verification of CVGSM2**
- **Technical support of IGSM2**
- **Improve hydrology/simulation of CALSIM-II**

