

CVGSM2 – CalSim-II Dependencies

Linkages through input data and hydrology development

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CalSim-II

CVGSM2

Hydrology Development
Process

CALAG / LCPSIM



CVGSM2 – CalSim-II Hydrology Development Similarities

- Both rely on same land use data (DPLA) to calculate demand.
- Similar boundaries for both (DSA's for CalSim-II, and Subregions for CVGSM2).
- Similar precipitation gages and stream inflows, although CVGSM2 has more stream inflows and precipitation Gages
- Irrigation months coincide with those specified in CU model.



CalSim-II Dependence on CVGSM2:

Accretions / Depletions: Preprocessor to data files

- CVGSM2 provides CalSim-II data for local accretion/depletion calculations to adjust localized demand and or surplus.
- Provides Accretion/Depletion With GW pumping, SW-GW interaction, and Deep Percolation for each DSA in Sacramento Valley.
- Also accounts for other inflows within CVGSM2 modeled region, small stream flows, for example.



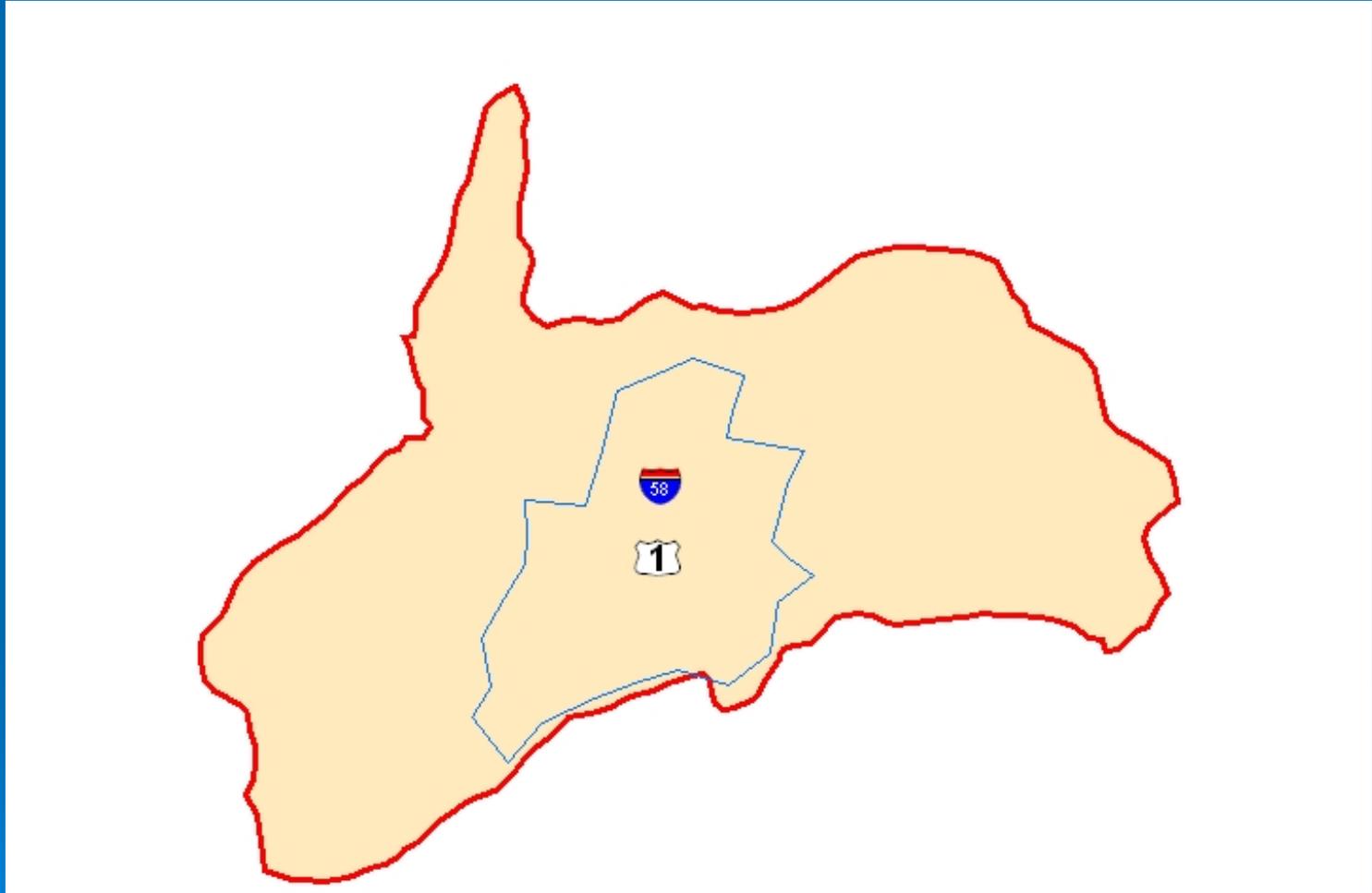
CalSim-II, CVGSM2 Offsets:

Spatial, Computational

- DSA – CVGSM2 Subregions are not identical boundaries. For each DSA, the CVGSM2 representation varies.
- Demand calculations are computed differently between the CU model and CVGSM2. The demand dictates the potential adjustment of GW supply, if needed.

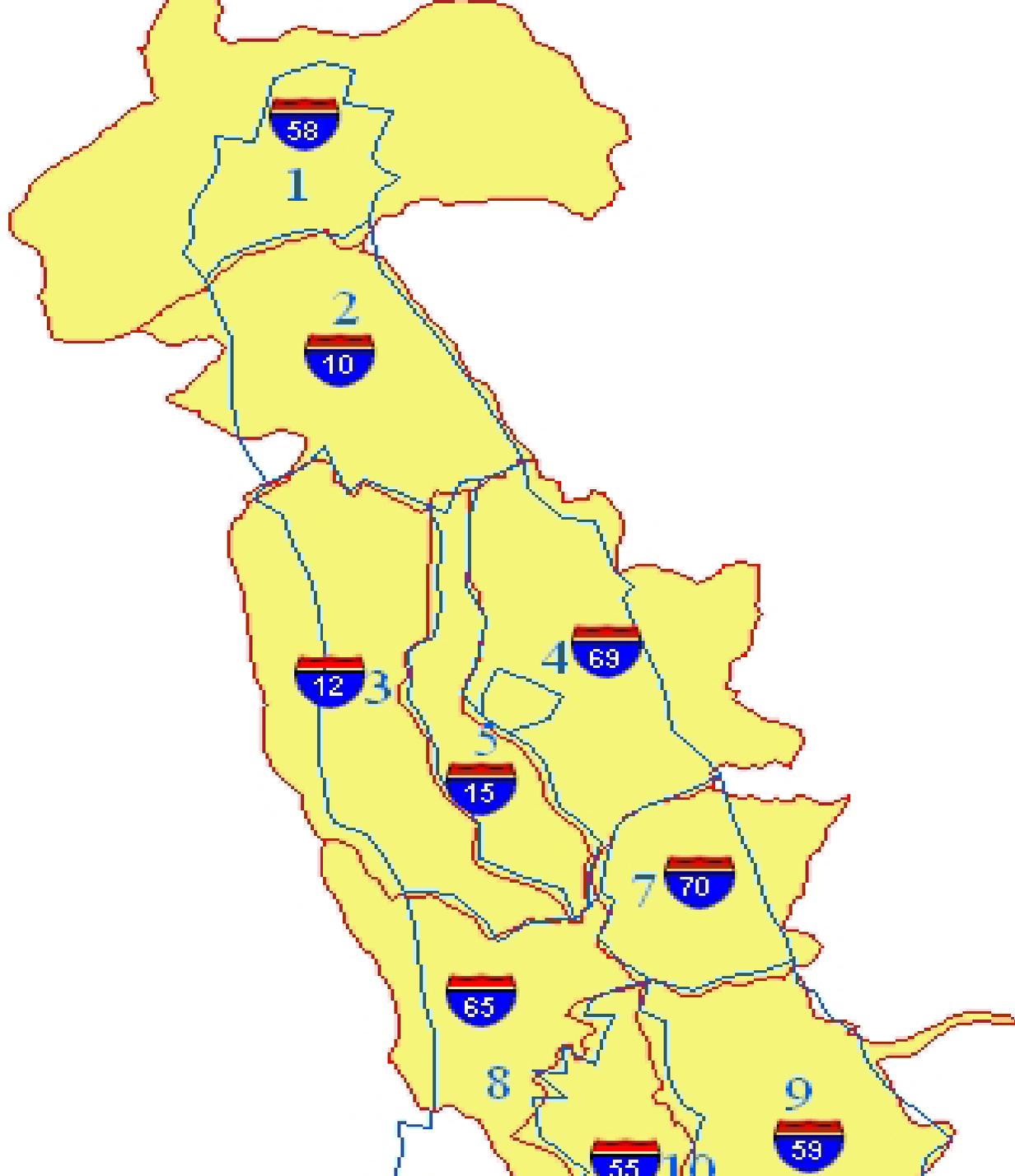


DSA – CVGSM2 Subregions



DSA58 vs. CVGSM2 Subregion 1





Questions?

