CV-SALTS Model Questions

Conceptual Model for Understanding Salts in CV – use existing data, model outputs and existing sources to summarize and aggregate information on salt and nutrients to a very high level through GIS to allow a common level of integration. This would serve to drive discussion and decision at a high level. As this is completed there is expected to be additional detail needed for SNMP which may be developed and summarized to fit. This approach would address the following goals:

- Drive simple large scale understanding at high level (penthouse/35Kft)
- Provide clear understanding at higher detail level (second floor/10Kft)
- Data based/defendable at lowest level (ground floor)
- Facilitates groups and regions cooperating to provide better information
- Works with existing and future boundaries
- Has credible water balance
- Approximates salt balance adequately for level
- Shows/explains
    - Where salt is accumulating
    - Relative magnitude of accumulation where it's happening
    - Interaction between regions water and salt
    - Where there are short term/long term problems

Questions

Several questions arise where the committee may be able to provide information and opinions.

- Can a GIS Base be used to stich these data sources together when aggregated?
- What level of spatial and temporal aggregation is needed for the highest level assessment to be able to communicate the big picture?
- What level of spatial and temporal aggregation/disaggregation is needed for CV-SNMP?
- Can these be compatible with the level needed for local SNMP or project assessment?
- Can these be compatible with the assessment needed for alternative or archetype evaluation?
- Can Site Specific Objective work we integrated if this approach?
- Are there better ways to illustrate this integration?

Identify Data Available and Models Available to move us that forward

- CVHM/CVSIM – Water Balance
- WARMF
- Other Models
- Other Data Sources
- How should areas where there is little data be handled?
- What limitations are likely other than data?
- What has worked to encourage sharing of Models and Data?

Legend
Sustainable
Potentially Sustainable
Not Sustainable
No Information

Concept Level

Central Valley SNMP Level

Local SNMP Level