**Tasks to be Coordinated:**

1. *Hydrogeologic Conceptual Model Development*
   1. *Visual and Narrative Description*
      1. *Do we use Ken Schmidt’s previous work in conjunction with new?*
   2. *Cross Sections*
   3. *Lateral Boundaries and Definable Bottom*
   4. *Summary of Aquifer Properties and Conditions*
   5. *Identification of Subbasin-wide (Coordinated) Management Areas, if any*
2. *Determination of Subbasin Monitoring Network*
3. *Locations/Frequency*
4. *Spacing*
5. *Depths*
6. *Data Gaps*
7. **Water Budget Evaluation**
   1. Quantify Water Budget Components (Inflows/Outflows)
      1. Provide Description of Individual GSP Group Water Budget Components
   2. Identify Boundary Type and Locations
   3. Calculate Change in Storage
   4. Quantify Overdraft over average conditions
   5. Estimate Sustainable Yield
   6. Comparison amongst GSP Groups

**GSP Group to Provide Datasets to be Coordinated: (Tabulated in a common format)**

1. Grower Data Source(s)
2. Groundwater Extraction Data
3. ET Values and Data Source(s)
4. Inflow by source type (precip., applied water, canals, rivers, inflow) and Data Sources

c. Recharge Rates and Data Source(s)

d Stream Flow Recharge Contribution

1. Gaging Station, Estimated Losses, Allocation, etc.
   1. Water Year Type (San Joaquin Valley Designation)
   2. Aquifer Characteristics/Properties; Transmissivity, Storage Coefficient, etc.
   3. Description of Total Surface Water entering or leaving by water source type

**Parameters to be Coordinated:**

- Compare Seasonal Contour/Water Level Map(s); Upper and Lower Aquifer –

* [Fall 1981: Upper Aquifer (above the Corcoran Clay) - dry
* Spring 1986: Upper Aquifer (above the Corcoran Clay) - wet
* Spring 1992: Upper Aquifer (above the Corcoran Clay) - critical
* Spring 2015: Upper Aquifer (above the Corcoran Clay) - critical
* Fall 1981: Lower Aquifer (below the Corcoran Clay)
* Spring 1986: Lower Aquifer (below the Corcoran Clay)
* Spring 1992: Lower Aquifer (below the Corcoran Clay)
* Spring 2015: Lower Aquifer (below the Corcoran Clay)

**- Agree on Ten Year Water Budget Information Period – [WY 2003 to WY 2012]**

**- Agree on Year Designating “Current Water Conditions” – [2016]**

**- Compare Boundary Flows (Inflow/Outflow Map(s)) – Determine by year type; Dry, Average, and Wet**

**Agree on which years represent these designations.**

**Dry: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Average: \_\_\_\_\_\_\_\_\_\_\_\_\_**

**Wet: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**- Calculate Change in Storage between seasonal highs based on:**

**Hydrographs and specific yield or using CVHM2?**

- If overdraft occurs, quantify overdraft over a period of years during which water year and water supply conditions approximate average conditions.

- GSP Groups to provide evaluation of accuracy and uncertainty associated with individual water budget components.

- Determine if those adjacent to other subbasins will be drafting “Interbasin” agreements.

Water Budget accounting to describe how coordinating agencies (across the San Joaquin, for example) have taken steps to ensure each GSP developer utilized similar data and compatible methodologies for applicable budget components.

**PROJECTED WATER BUDGETS**: TO BE DETERMINED ….