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Summary of Model Input Guiding Questions

Precipitation Runoff Modeling System (PRMS) Inputs

1. Are there any other lakes/reservoirs that significantly alter or regulate surface-water flows coming into the groundwater basin?

2. Does the preliminary stream network represent all of the perennial streams coming into the groundwater basin? Are there stream channels that do not need to be represented due to limited flow?

Soil-Water Budget Model (SWBM) Inputs

3. Are these categories of land use sufficient for representing agricultural water usage in the valley? Is this distribution of land use categories accurate? Have there been any significant land use changes in the valley since October 1st, 1999?

4. Is this distribution of irrigation methods consistent with local knowledge? Are there other irrigation methods used in the valley?

5. Is this distribution of water sources consistent with local knowledge? Are there any fields that are sustained primarily by shallow groundwater (sub-irrigation)?

6. Are the wells associated with the GW irrigated fields accurate? Are any irrigation wells missing? Are there GW irrigation wells identified that are no longer used?

7. When does the growing season typically begin and end for each crop type? When does irrigation typically start and end for each crop type?

8. What irrigation triggers do farmers and ranchers in the valley typically use?

9. What is the typical crop rotation schedule in the valley? What crop type is usually rotated in?