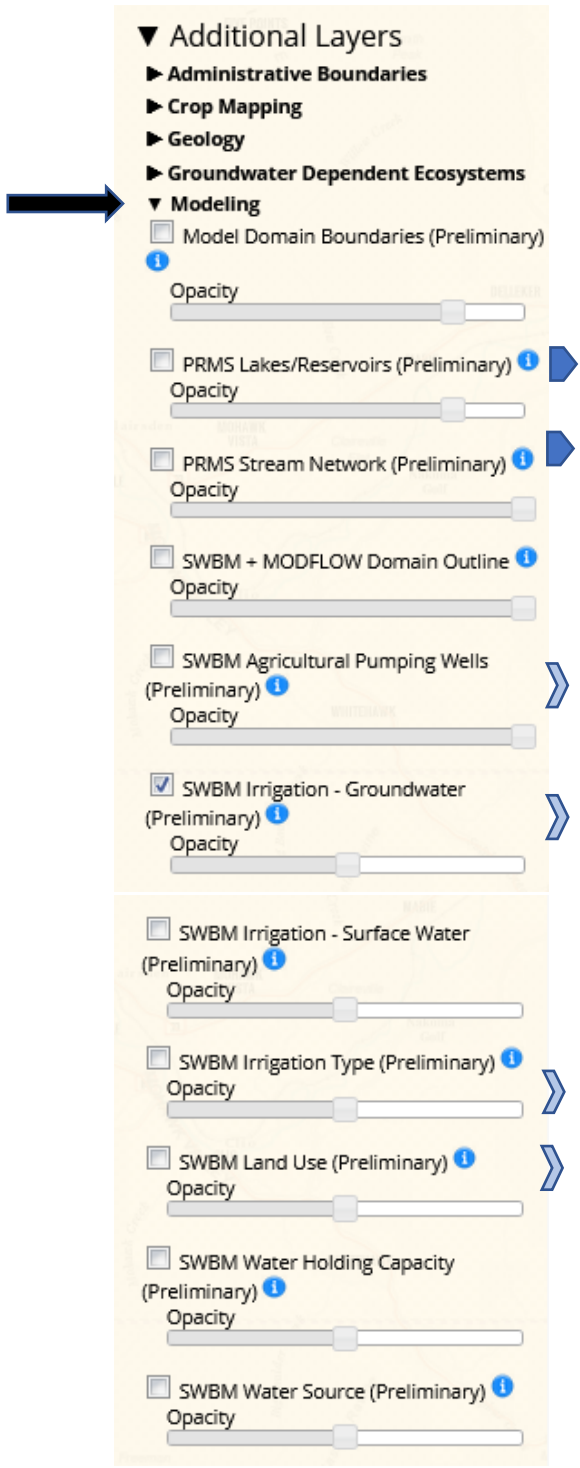## *Modeling Inputs within the Data Portal*

This document reviews the map layers in the data portal that relate to the model. Page one provides an overview and page two explains what type of feedback the technical team is seeking from stakeholders.

Opening the data portal at https://sierra-valley.gladata.com will allow you access to the Map Layers, by clicking the icon located on the left side of the page: Scroll down to find the Modeling layer.

▼ Additional Layers
▶ Administrative Boundaries
▶ Crop Mapping
▶ Geology
▶ Groundwater Dependent Ecosystems
▼ Modeling
☐ Model Domain Boundaries (Preliminary) ⓘ
  Opacity
☐ PRMS Lakes/Reservoirs (Preliminary) ⓘ
  Opacity
☐ PRMS Stream Network (Preliminary) ⓘ
  Opacity
☐ SWBM + MODFLOW Domain Outline ⓘ
  Opacity
☐ SWBM Agricultural Pumping Wells (Preliminary) ⓘ
  Opacity
☑ SWBM Irrigation - Groundwater (Preliminary) ⓘ
  Opacity
☐ SWBM Irrigation - Surface Water (Preliminary) ⓘ
  Opacity
☐ SWBM Irrigation Type (Preliminary) ⓘ
  Opacity
☐ SWBM Land Use (Preliminary) ⓘ
  Opacity
☐ SWBM Water Holding Capacity (Preliminary) ⓘ
  Opacity
☐ SWBM Water Source (Preliminary) ⓘ
  Opacity

Two categories relating to surface water features are:

▶ PRMS Lakes/Reservoirs

▶ PRMS Stream Network

Categories related to use of groundwater for irrigation include:

》 SWBM Agricultural Pumping Wells

》 SWBM Irrigation – Groundwater (note: this refers to acreage irrigated by groundwater)

》 SWBM Irrigation Type (flood, pivot, wheel line)

》 SWBM Land Use (note: this refers to vegetation types)

When the respective features appear on the map, click on them for additional details. **The maps do not include legends** to sort out what different colored features mean – you'll need to click on the feature to understand what it represents.

Note:

PRMS = Precipitation-Runoff Modeling System (relating to

SWBM = Soil Water Budget Model (relating to the lower portion of the basin, or the valley floor)

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Feedback Needed on Model Inputs for Sierra Valley Basin

Since the accuracy of the Data Portal determines the accuracy of the model, the technical team is requesting that TAC and community members review the different data layers for the model – and to submit corrections for any necessary additions, deletions or modifications. Specifically, feedback is sought on the following items:

- Surface Water Features (i.e., major sources of supply: lakes, reservoirs, significant streams)
- Land Use (i.e., vegetation type)
- Irrigation Type (i.e., flood, center pivot, wheel line)
- Irrigation Water Source (i.e., "SWMB Irrigation – Groundwater" and "SWMB Irrigation – Surface Water")
- The technical team would especially appreciate knowing **which wells supply groundwater irrigation to which fields** (go to "Filter by Status" and click active (or all); go to "Filter by Type" and click agricultural wells; then go to "Additional Layers," "Modeling," and click on "SWMB Irrigation - Groundwater")

Please submit your comments by **March 19, 2021** to gtolley@geo-logic.com. You may also submit your comments using the online Excel spreadsheet, "Proposed Changes to Model Inputs" at https://docs.google.com/spreadsheets/d/1oQ0cFRl7be_3bTfUuiO6CAnM7sOeJHjwruzC6tdWGvo/edit#gid=0 . Some comments are already posted, providing an example of how to use the spreadsheet.

NOTE: A basic orientation to the data portal and its functions is available as part of the March 8 TAC meeting packet at https://www.sierravalleygmd.org/2021-03-08-tac-meeting. See the document, "Data Portal Tutorial."