

Pooling Management Zones Delineation Steps

There are two zone (eastern and western)

Line is being refined

Goal is to develop the boundary based on physical thresholds that are objective and scientifically sound:

1. Aquifer Thickness Transition & Transmissivity

- CVHM (California's Central Valley Hydrologic Model) layer
 - Relies on DWR AEM (Airborne Electromagnetic) and borehole data (i.e., percent of coarse-grained materials (e.g., sand and gravel))
 - Depths were checked to make sure that the delineation of aquifer thickness reflects both geological formations and hydrologic conditions.
- Geology of the Merten Formation sloping to the west

2. Extent of Drawdown Cone

- Establish boundaries for the drawdown cone using groundwater contour data and extent of drawdown relative to hydrological features

3. Adjustment Along Parcel Boundaries

- Assess parcels along and overlapping the boundary
- For overlapping parcels, calculate percent in each pooling management zone (consistent with the approach used for the Priority Action Area process)
- Evaluate parcels relative to contiguous farm units and if further evaluation is needed