

Definitions

Calculated Sustainable Yield: The average safe yield of the polygons in a combined safe yield area (af) divided by the total irrigated acres within a combined safe yield area (af/ac). For the purpose of Groundwater Demand Management, Calculated Sustainable Yield will be updated every 5 years.

Combined Safe Yield Area: The grouping of polygons in relation to their estimated quantity of groundwater that can be extracted. In each managed subbasin polygons within the same range (af) of safe yield will be grouped together for the purpose of demand management. The ranges are: -5000 or less, -5,000 to -1,000, -1,000 to -500, -500 to 500, 500 to 1,000, 1,000 to 5,000, 5,000 to 50,000, 50,000 to 100,000, 100,000 to 500,000 and greater than 500,000.

Demand Management: GSA actions, rules or programs that are intended to avoid minimum thresholds, prevent undesirable results, and incentivize long-term sustainability by reducing the pumping of groundwater.

GSA: Groundwater Sustainability Agency. The Flood Control and Water Conservation District is the GSA for Tehama County.

GSP: Groundwater Sustainability Plan. Each managed subbasin in Tehama County has an associated GSP.

Management Action: A specific action taken by the GSA to reduce the use of groundwater.

Measurable Objective: (MO) As defined in each subbasin GSP.

Minimum Threshold: (MT) As defined in each subbasin GSP.

Polygon: Flat, two-dimensional shape bounded by straight lines. For the purpose of Groundwater Demand Management, polygons are the specific areas by which the resource is managed and are created using the Thiessen method surrounding (a single point) RMP/RMS.

RMP/RMS: Used interchangeably within the various GSPs, Representative Monitoring Points or Representative Monitoring Sites are facilities that are monitored for groundwater level at least twice per year (spring and fall). RMP/RMS are the single point used in the creation of Thiessen Polygons. Prior to December 30, 2030, and reviewed in five-year intervals thereafter, the Tehama County Flood Control and Water Conservation District Board of Directors, based on recommendations from the Groundwater Commission and staff, will ratify by resolution a network of RMP/RMS, with appropriate MO and MT, for the purpose of Groundwater Demand Management. RMS/RMP should contain 10 years of somewhat consistent monitoring.

Safe Yield: The estimated quantity of groundwater (in af) that can be safely extracted in a polygon. Safe Yield is calculated as average pumping +/- average change in storage. For the purpose of Groundwater Demand Management averages are 10-year rolling ending with the previous water year data.

Target Assumed Maximum Pump Rate: Each Groundwater use type (ex; crop variety, commercial, residential etc.) will be assigned, as part of the GSA fee structure and prior to December 30, 2030, an assumed pump rate (af/ac). The use type assigned with the highest assumed pump rate will be the Target Assumed Maximum Pump Rate. Any assumed pump rate can be replaced with actual reported volume via meter.

Trigger: A set point at which a Demand Management Action is initiated.

