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The North Kings Groundwater Sustainability Agency (North Kings GSA) is a local agency catalyzing groundwater sustainability on behalf of the groundwater users it serves including growers, domestic well owners, schools, businesses and community residents. Formed in 2016 to implement the Sustainable Groundwater Management Act (SGMA), the North Kings GSA helps drive local efforts with member agencies, landowners, and stakeholders to achieve sustainability locally. SGMA requires critically overdrafted subbasins like ours, the Kings Subbasin, to achieve sustainability by 2040.

Bakman Water Co. • Biola CSD • City of Clovis • City of Fresno • Fresno County • Fresno Irrigation District • Fresno Metropolitan Flood Control District • Garfield Water District • International Water District • City of Kerman

Fresno County Water Agencies Name

Legend

Plan Participants

Sept 2014 SGMA Signed Into Law

Dec 2016 North Kings GSA Formed

Jan 2020 Groundwater Sustainability Plan (GSP) Submitted to State; Implementation Begins

Jan 2022 State Reviewed & Commented on GSP

July 2022 GSP Revisions Submitted to State

2040 Groundwater Sustainability Achieved

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Defining Groundwater Sustainability

SGMA defines sustainable groundwater management as the management and use of groundwater in a manner that does not cause “undesirable results” for six sustainability indicators (right). The North Kings GSA tracks and defines sustainability progress using measurable objectives and minimum thresholds for the relevant sustainability indicators. Measurable objectives are the sustainability goals the North Kings GSA will work to maintain by 2040, while minimum thresholds are measurable values that when exceeded, may cause “undesirable results”.

SUSTAINABILITY INDICATORS

CHRONIC LOWERING OF GROUNDWATER LEVELS

REDUCTION OF GROUNDWATER STORAGE

seawater intrusion

Degraded water quality

land subsidence

interconnected surface water depletions

Over the last 100 years, more groundwater has been pumped from the underground aquifer than put back in. This deficit has caused a state of groundwater overdraft and steady groundwater level declines. The downward trend of the blue line shown on the left represents the decline of groundwater levels from 1920 through 2020 in the greater Fresno area.

Achieving Groundwater Sustainability

REGIONAL COORDINATION in the kings subbasin

The North Kings GSA coordinates closely with the six other Groundwater Sustainability Agencies (GSAs) within the Kings Subbasin. Although each GSA is responsible to correct its own groundwater overdraft within its boundaries and reach sustainability by 2040, SGMA ultimately requires the entire Kings Subbasin to reach sustainability together. The GSAs cooperate under a signed Coordination Agreement and meet on a regular basis.

groundwater sustainability plan

The North Kings GSA’s Groundwater Sustainability Plan (GSP) is its roadmap for sustainability by 2040. The GSP includes a physical description of the groundwater management area including groundwater conditions, a water budget, management criteria, a monitoring program, and projects and management actions to reach its measurable objectives. Initially submitted in January 2020 and revised in 2022 after State review, the North Kings GSA will update its GSP every 5 years.

Stay informed! Sign up for email updates at northkingsgsa.org/email