

The path to a Groundwater Sustainability Plan

FINISH



1

START

Administrative Information

Administrative and other General Information

Description of Plan Area

Notice and Communications Protocol

2
East Subbasin Setting

Hydrogeologic Conceptual Model

Sustainability Goals

- Define goal using indicators, how to achieve goal over 20-years

Sustainable Management Criteria

Undesirable Results

- Lowering groundwater levels, loss of groundwater in storage; Seawater intrusion, loss of water quality; Land subsidence

Minimum Threshold

- Based on sustainability indicators
 - Chronic lowering of groundwater levels
 - Reduction in groundwater storage
 - Seawater intrusion into basin
 - Degradation of water quality
 - Depletion of surface water flows
- Define Sustainable Yield of basin

Measurable Objectives

- Measurement of indicator thresholds, Define quantitative objectives for all indicators

Management Areas

Water Budget

- INFLOWS: Surface water; precipitation recharge; applied water; subsurface inter-basin inflows
- OUTFLOWS: Evapotranspiration; extraction; discharge to surface water; subsurface inter-basin outflows
- Groundwater modelling of water budget, Define and measure sustainability

Current and historical groundwater conditions

- Groundwater flow directions (horizontal and vertical), Long term change in groundwater levels and storage, Discharge to surface water, contamination

Assessment and Improvement of Monitoring Network

Monitoring Network

- Network of wells and other monitoring stations, Lateral and vertical distribution of monitoring; Frequency and density of monitoring
- Measurement of sustainability indicators
 - Lowering of groundwater levels
 - Decrease in groundwater storage

Representative Monitoring

Monitoring Networks

Monitoring of sustainability indicators against threshold goals

Monitoring Data Reporting

Projects and Management Actions

- Management response to monitoring results, threshold exceedances

Submit East Subbasin to DWR for Evaluation and Approval



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