

# Atascadero Basin GSP Development

## *Sustainable Management Criteria - Introduction*



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# Sustainable Management Criteria (SMC)

The key to demonstrating a basin is meeting its sustainability goal is by avoiding undesirable results. Sustainable management criteria are critical elements of the GSP that define sustainability in the basin.

- § 354.24. Sustainability Goal.
  - “Each Agency shall establish in its Plan a sustainability goal for the basin that culminates in the absence of undesirable results within 20 years of the applicable statutory deadline.” ...
- § 354.26. Undesirable Results.
  - “Each Agency shall describe in its Plan the processes and criteria relied upon to define undesirable results applicable to the basin. Undesirable results occur when significant and unreasonable effects for any of the sustainability indicators are caused by groundwater conditions occurring throughout the basin.” ...

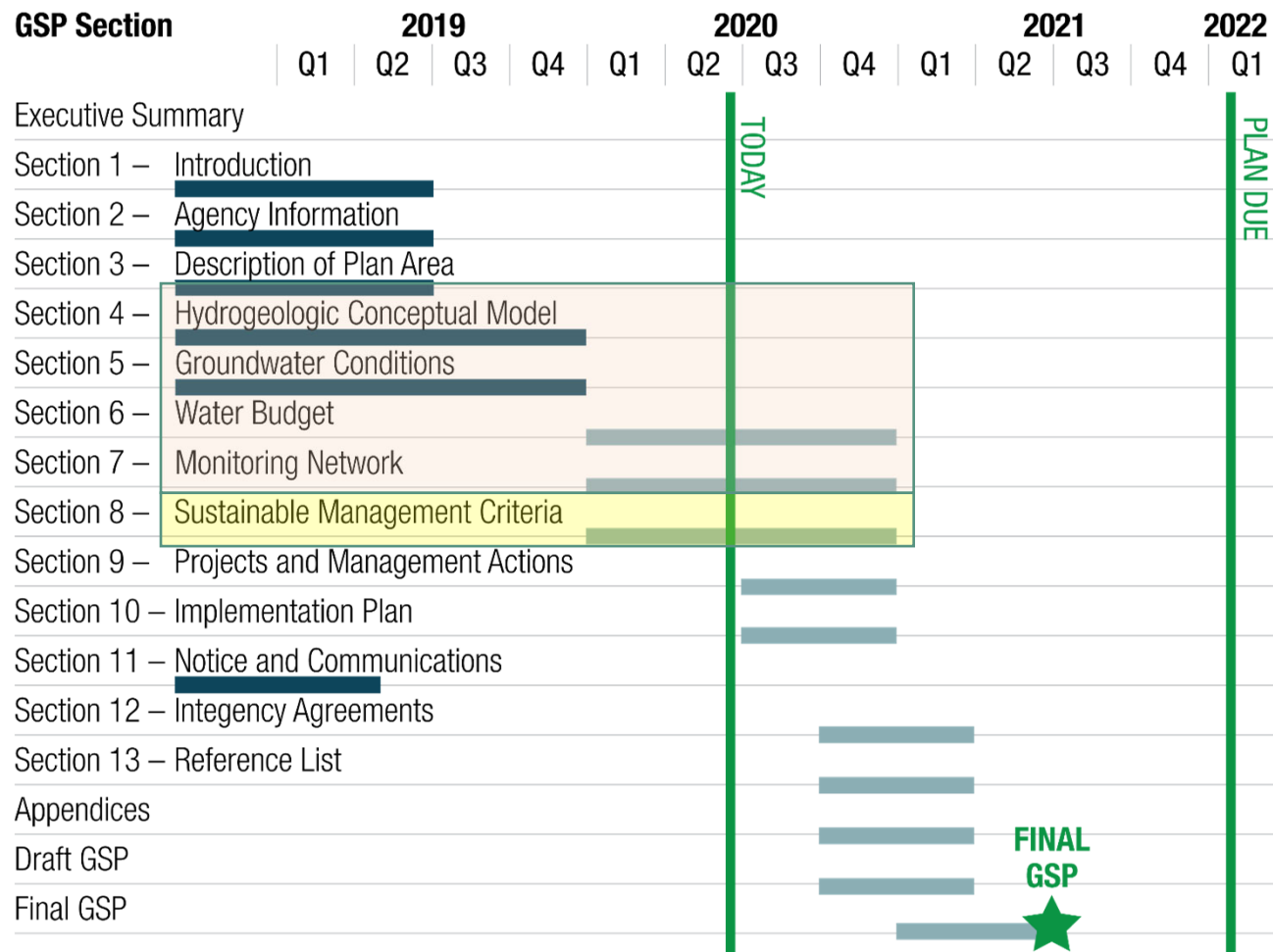
# Sustainability Indicators

Sustainability Indicators						
<b>Metric(s) Defined in GSP Regulations</b>	<ul style="list-style-type: none"> <li>• Groundwater Elevation</li> </ul>	<ul style="list-style-type: none"> <li>• Total Volume</li> </ul>	<ul style="list-style-type: none"> <li>• Chloride concentration isocontour</li> </ul>	<ul style="list-style-type: none"> <li>• Migration of Plumes</li> <li>• Number of supply wells</li> <li>• Volume</li> <li>• Location of isocontour</li> </ul>	<ul style="list-style-type: none"> <li>• Rate and Extent of Land Subsidence</li> </ul>	<ul style="list-style-type: none"> <li>• Volume or rate of surface water depletion</li> </ul>

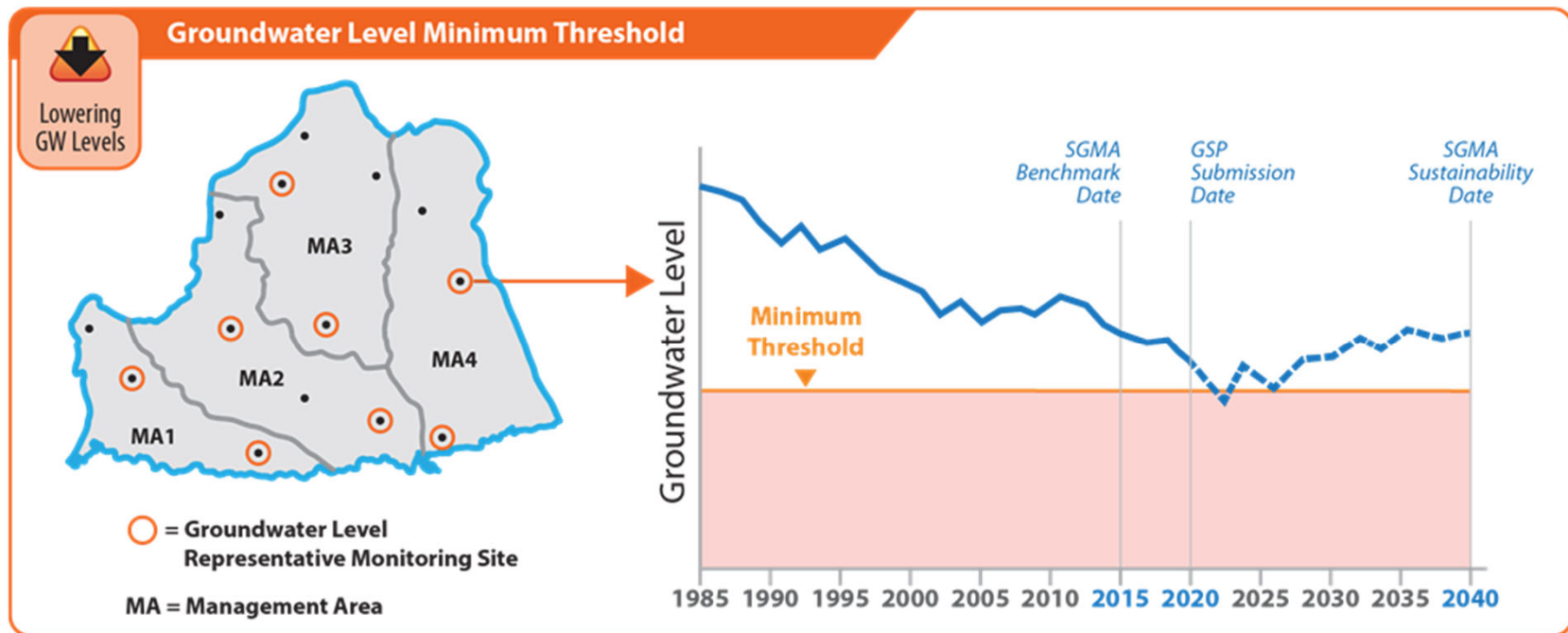
# Undesirable Results

- One or more of the following must be significant and unreasonable
  - Chronic lowering of groundwater levels
  - Reduction of groundwater storage
  - ~~Seawater intrusion~~
  - Degraded water quality
  - Land subsidence that substantially interferes with surface land uses
  - Surface water depletions that have significant and unreasonable adverse impacts on beneficial uses of surface water

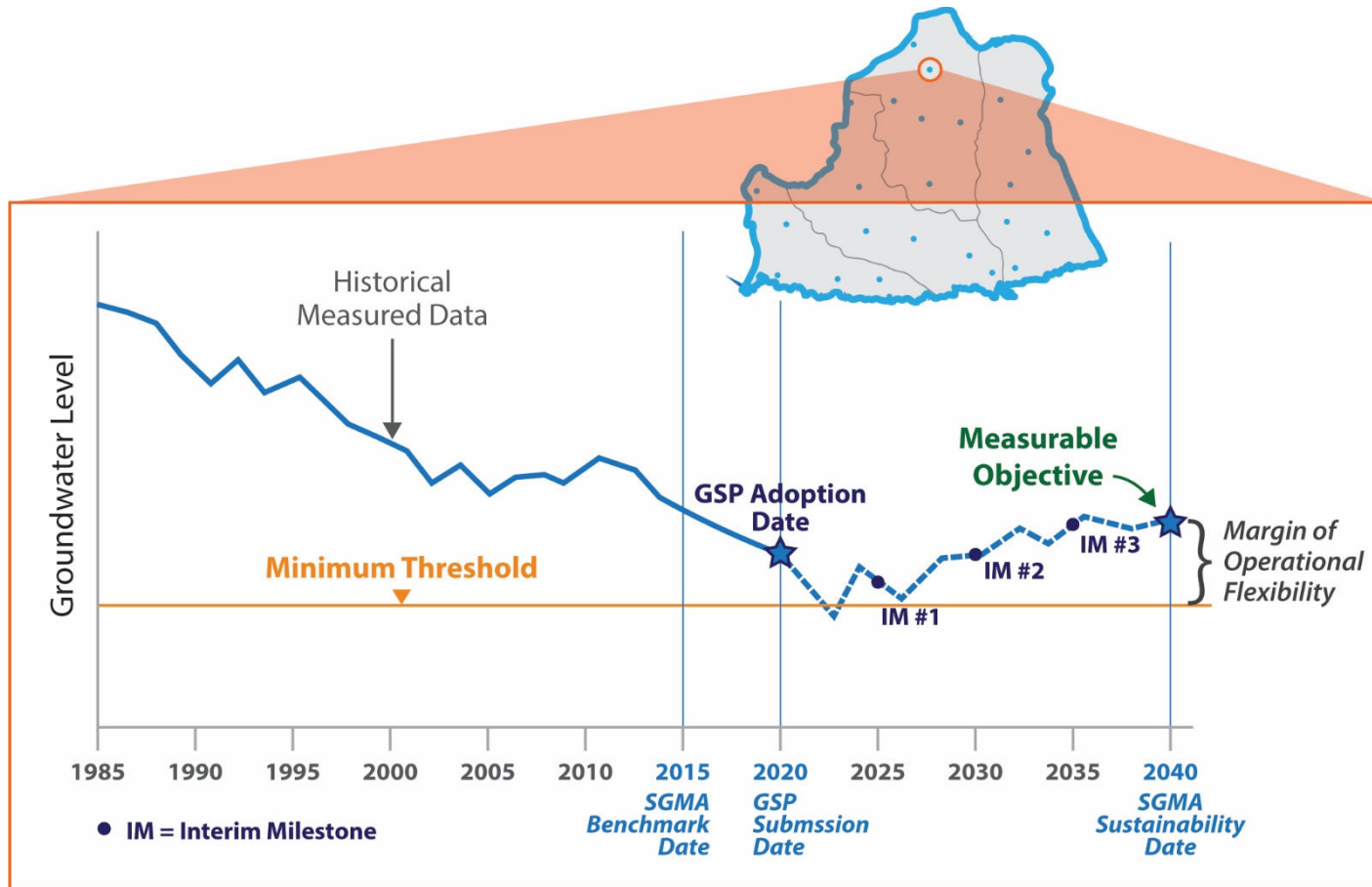
# Why SMC in Section 8 of GSP?



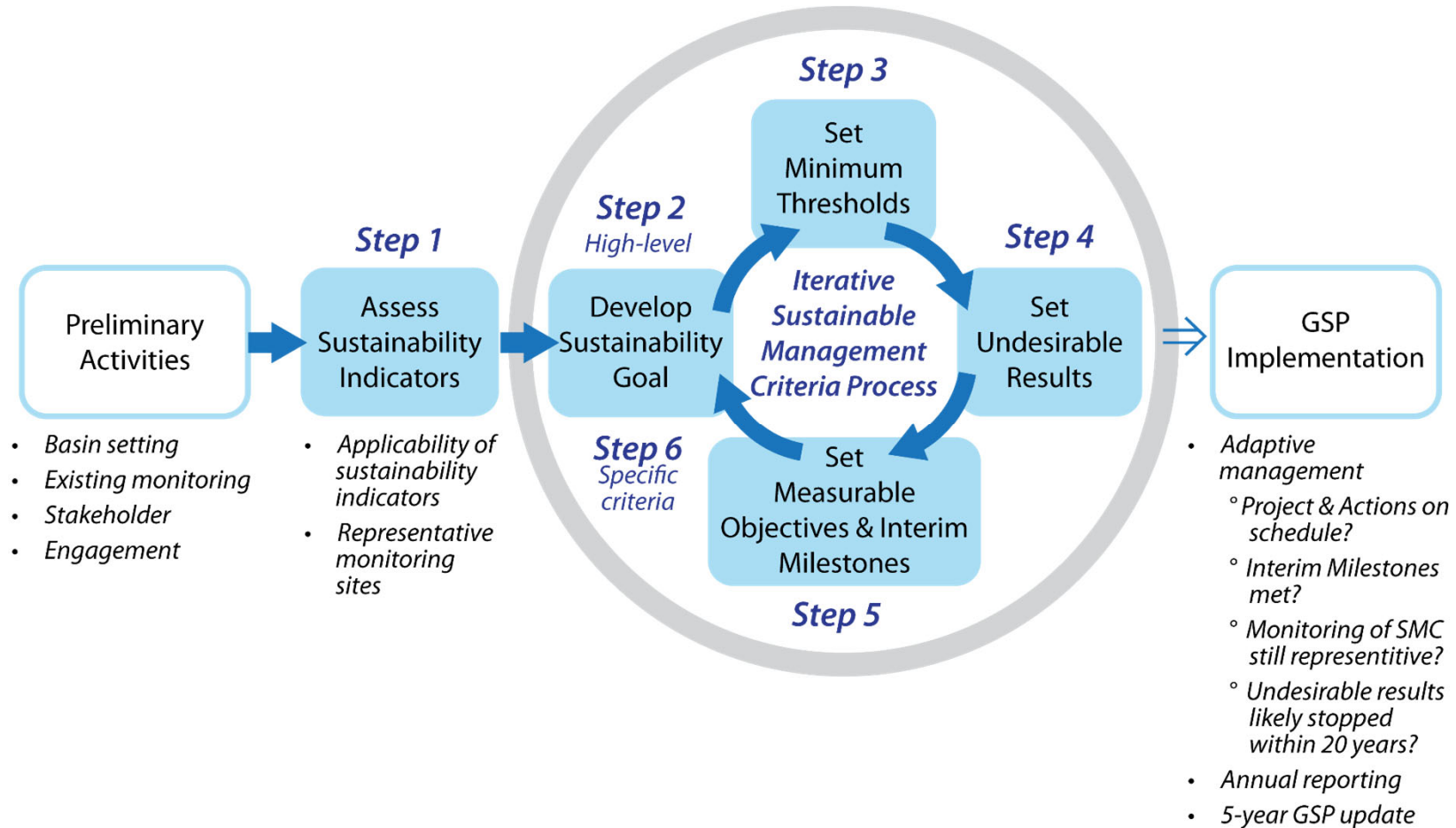
# Groundwater Level Minimum Threshold



# Relationship Between Min Threshold, Measurable Objective and Interim Milestones



# How Establish SMCs





# Questions?

