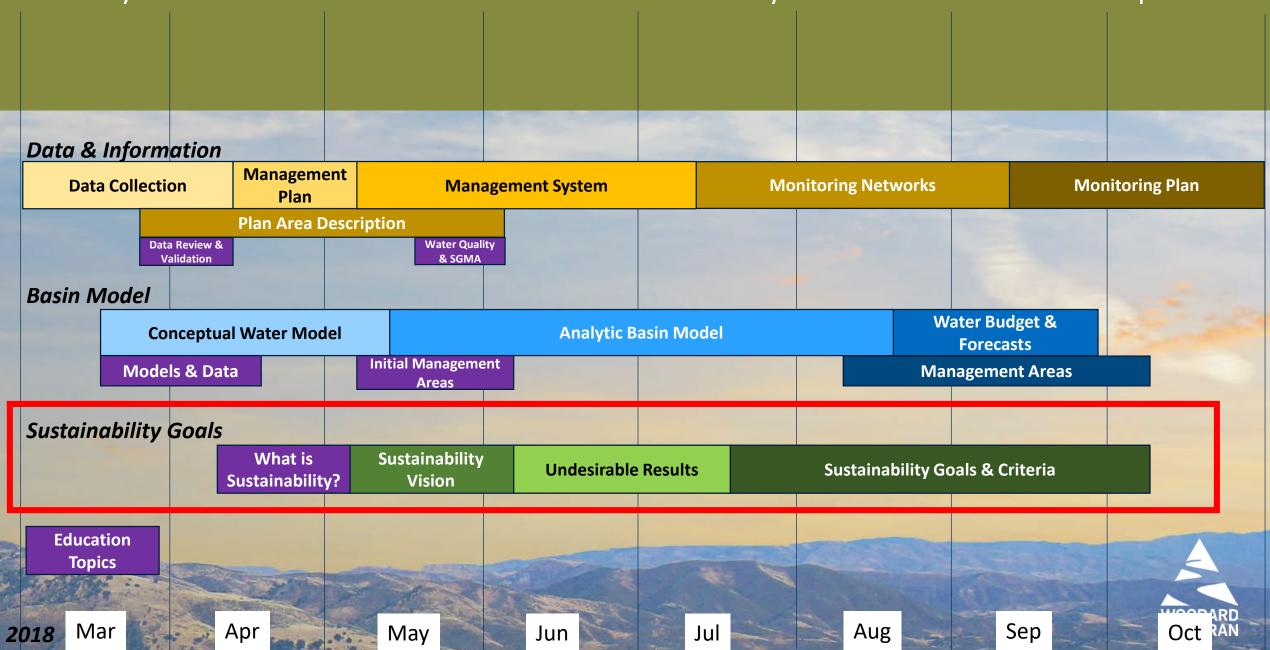


Cuyama Basin Groundwater Sustainability Plan – Discussion Topics



Cuyama GSP Sustainability Goals Timeline

- May and June SAC and Board Meetings and Workshop:
 - Solicit initial input on sustainability vision and goals
- July/August:
 - Review undesirable result narratives
 - Discuss ideas for thresholds and objectives
- September/October:
 - Develop quantitative thresholds and objectives for each indicator



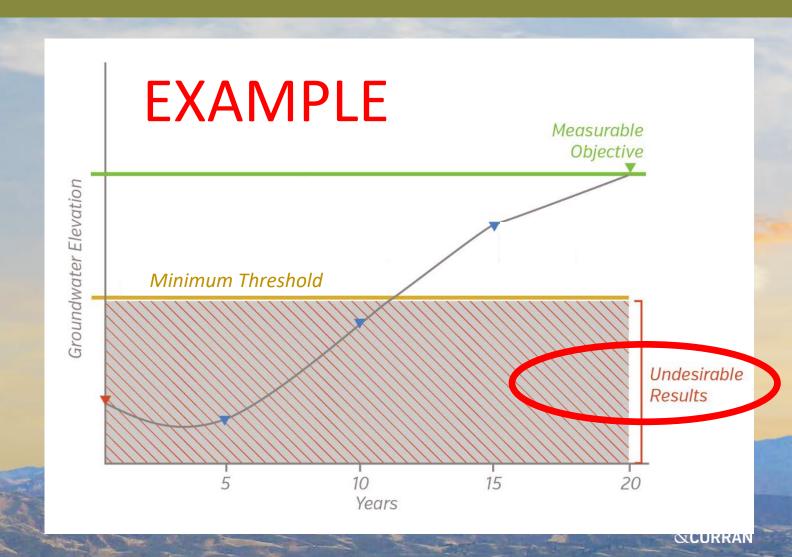
Sustainability Indicators in the Cuyama Basin

	Sustainability Indicators	Lowering GW Levels	Reduction of Storage	Land Subsidence	Surface Water Depletion	Degraded Water Quality
	Metrics Defined by SGMA	Groundwater elevation	Total volume	Rate and extent of subsidence	Volume or rate of depletion	Migration of plumes; constituent concentrations
	Example Problems	Dry Wells Low Pumping Production	Dry Wells Low Pumping Production	Unleveling of Fields Damage to Structures	Dry out Cuyama River earlier / more often	Higher salinity Nitrates in drinking water



Undesirable Results, Minimum Thresholds & Measurable Objectives

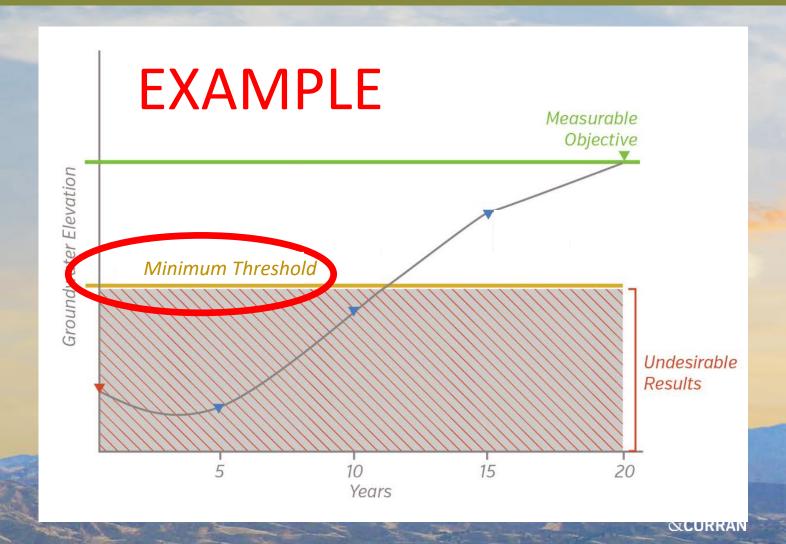
- Undesirable Results:
 - Must be "Significant and Unreasonable"
 - Statement that describes conditions that we do not want to have happen
 - Defined for each sustainability indicator



Undesirable Results, Minimum Thresholds & Measurable Objectives

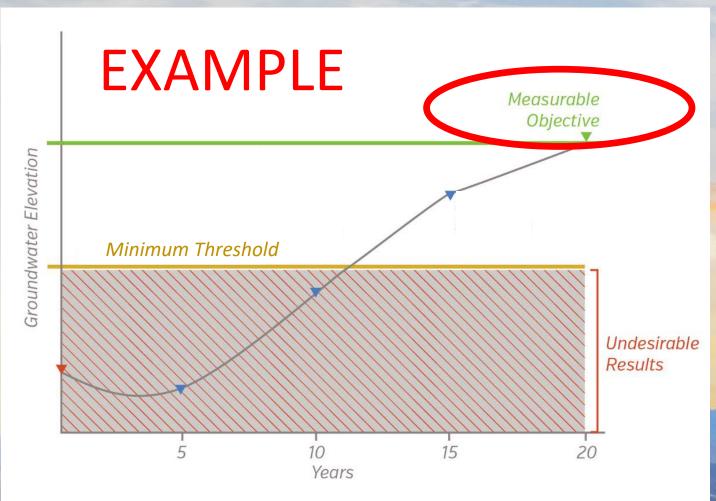
Minimum Thresholds:

- Anything worse is considered an "undesirable result"
- The lowest the basin can go without something significant and unreasonable happening to groundwater



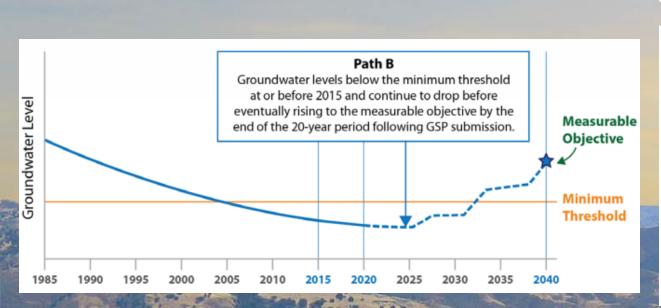
Undesirable Results, Minimum Thresholds & Measurable Objectives

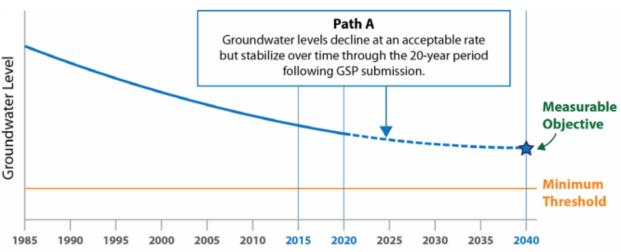
- MeasurableObjectives:
 - A management target that provides a usable buffer for use during droughts, etc
 - Establishes the upper targeted boundary for basin management

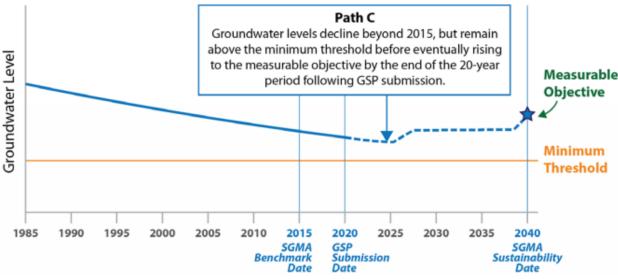


Examples of Pathways to Sustainability

Plan for future progress
 can vary based on local
 groundwater conditions
 and locally-defined values





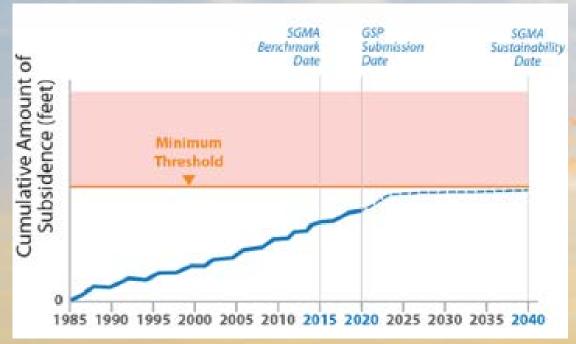


Examples of Other Sustainability Indicators

Surface Water Depletions



Land Subsidence





Workshop Discussion Questions

Sustaining the future of the Cuyama Valley

- What does sustainability of the Cuyama Valley mean for you?
- Is your picture of the future different from the Cuyama Valley you know today, if it is, how is it different?

The role of water in the future of the Cuyama Valley

- What do you see as important challenges or undesirable effects for the future of water in the Valley for the following?
 - Water and Jobs
 - Water and Community/Households
 - Water and Small Farms
 - Water and Large Farms
 - Water and Natural Resources

