

**PROPOSED DRAFT for June 2 CSAB Meeting – Corning Subbasin GSP Sustainable Management Criteria Summary**

Sustainability Indicator	Measurement	Minimum Threshold (MT)	Measurable Objective (MO)	Interim Milestones	Undesirable Result (UR)
<b>Chronic lowering of groundwater levels</b>	Annual fall groundwater elevation measured in representative monitoring well network by County or DWR.	<u>Stable wells</u> : Minimum fall groundwater elevation since 2012 minus 20-foot buffer. <u>Declining wells</u> : Minimum Fall groundwater elevation since 2012 minus <b>20% or 30% (TBD)</b> of minimum groundwater level depth.	<u>Stable wells</u> : Maximum fall groundwater elevation since 2012 <u>Declining wells</u> : Maximum fall groundwater elevation in 2015	To be determined	20% of groundwater elevations measured at RMP wells drop below the associated minimum threshold during 2 consecutive years. If the water year type is dry or critically dry then levels below the MT are not undesirable if groundwater management allows for recovery in average or wetter years.
<b>Reduction in groundwater storage</b>	Using groundwater levels as a proxy - Calculated based on groundwater levels and general assumptions about groundwater storage coefficients.	Amount of groundwater in storage when groundwater elevations are at their minimum threshold	Amount of groundwater in storage when groundwater elevations are at their measurable objective.	To be determined	20% of groundwater elevations measured at RMP wells drop below the associated minimum threshold during 2 consecutive years.
<b>Degraded groundwater quality</b>	Annual TDS and <i>EC</i> measured by water providers at public supply wells in the Subbasin and at irrigation supply wells in Glenn County.	California upper limit SMCL concentration for TDS of 1,000 mg/L at public supply wells and agricultural standard <i>EC measurement of 700 μS/cm at irrigation supply wells</i>	California lower limit SMCL concentration for TDS of 500 mg/L measured at public supply wells and agricultural standard <i>EC measurement of 700 μS/cm at irrigation supply wells</i>	Identical to current conditions	<i>At least 25% of representative monitoring sites exceed the minimum threshold for water quality for 2 consecutive years at each well where it can be established that GSP implementation is the cause of the exceedance.</i>
<b>Land Subsidence</b>	Inelastic land subsidence measured by InSAR data available from DWR, and periodic measurements at the DWR survey monuments.	No more than 0.5 feet of cumulative subsidence over a five-year period (beyond the measurement error), solely due to lowered groundwater elevations.	Zero inelastic subsidence, in addition to any measurement error. If InSAR data are used, the measurement error is 0.1 ft and any measurement of 0.1 ft or less would not be considered inelastic subsidence.	Identical to current conditions	Any exceedance of a minimum threshold that is irreversible and caused by lowering groundwater elevations.
<b>Depletion of interconnected surface water</b>	A subset of shallow wells used for the chronic lowering of groundwater levels.	Same as chronic lowering of groundwater levels.	Same as chronic lowering of groundwater levels.	Identical to current conditions	Same as chronic lowering of groundwater levels.