

GSP/Alt Reg - Issue Topics

**Phase 1 –
Scoping
(Collecting
Issues and
Challenges)**

All 10 +
Topics
(May-Jun)

**Phase 2 –
Draft
Framework
(Present
and Receive
Input from
Advisory
Groups and
Public)**

1st Batch
(Jun-Jul)

2nd Batch
(Jul-Aug)

3rd Batch
(Aug-Sep)



Practitioner Advisory Panel and Advisory

DRAFT Schedule
All Dates are Tentative

Group Engagement Schedule

Phase 1 – Scoping (Collecting Issues and Challenges)

- All Advisory Groups - May 18 through June 8

All 10 +
Topics
(May-Jun)

Phase 2 – Draft Framework (Present & Receive Input from Advisory Groups and Public)

1st Batch (Jun-Jul)

- Advisory Groups – June 23 thru July 14
- Public Mtgs./Webcast – mid to late July

Draft
Approach for
GSP
Development
and Imp.

Land Use and
County
Involvement

Pre-Existing
Conditions
and
Undesirable
Results

Measurable
Objectives
and Interim
Milestones

2nd Batch (Jul-Aug)

- Advisory Groups – July 21 though Aug 17
- Public Mtgs /Webcast – mid to late Aug

Water
Budgets and
Coordination

Boundaries –
Overlapping
and
Unmanaged
Areas

Intra Basin
Coordination
Agreements

Alternative
Submittal

3rd Batch (Aug-Sep)

- Advisory Groups – August 25 though Sept 14
- Public Mtgs /Webcast – mid to late Sept

State
Agency
Coordination

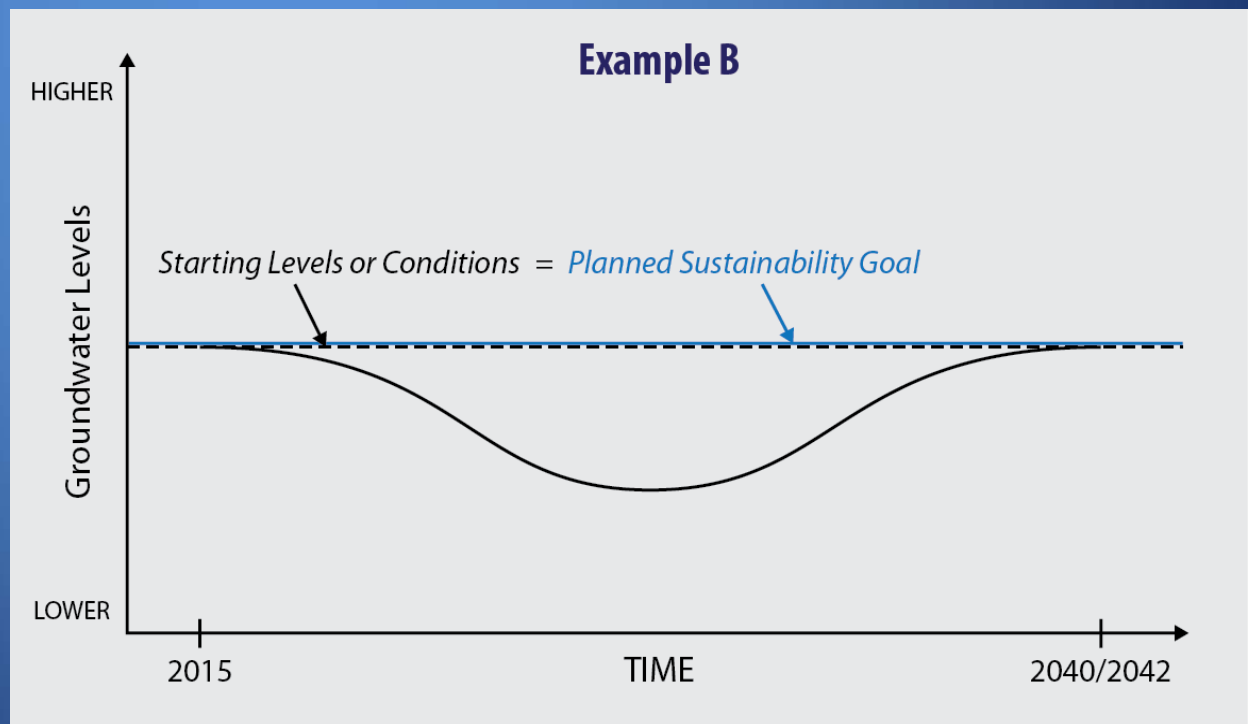
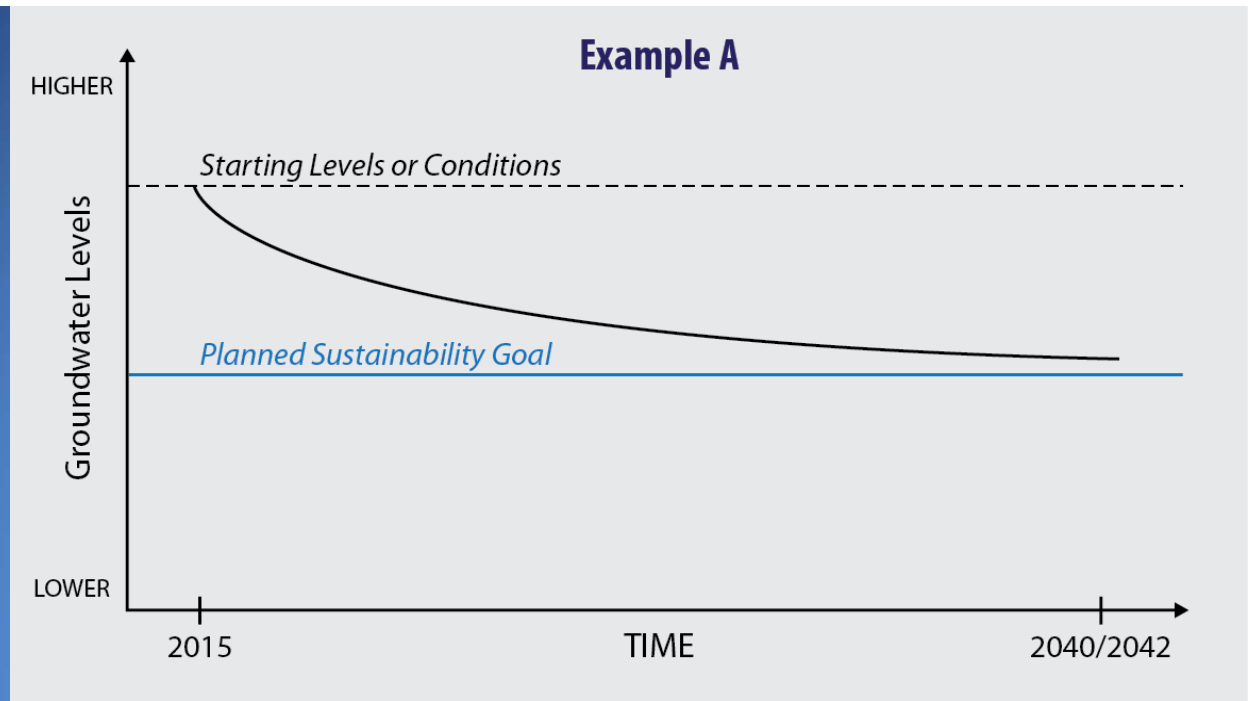
Data
Collection,
Mgt., and
Reporting

Adaptive
Mgt. and
Focus
Areas

Pre-SGMA Conditions

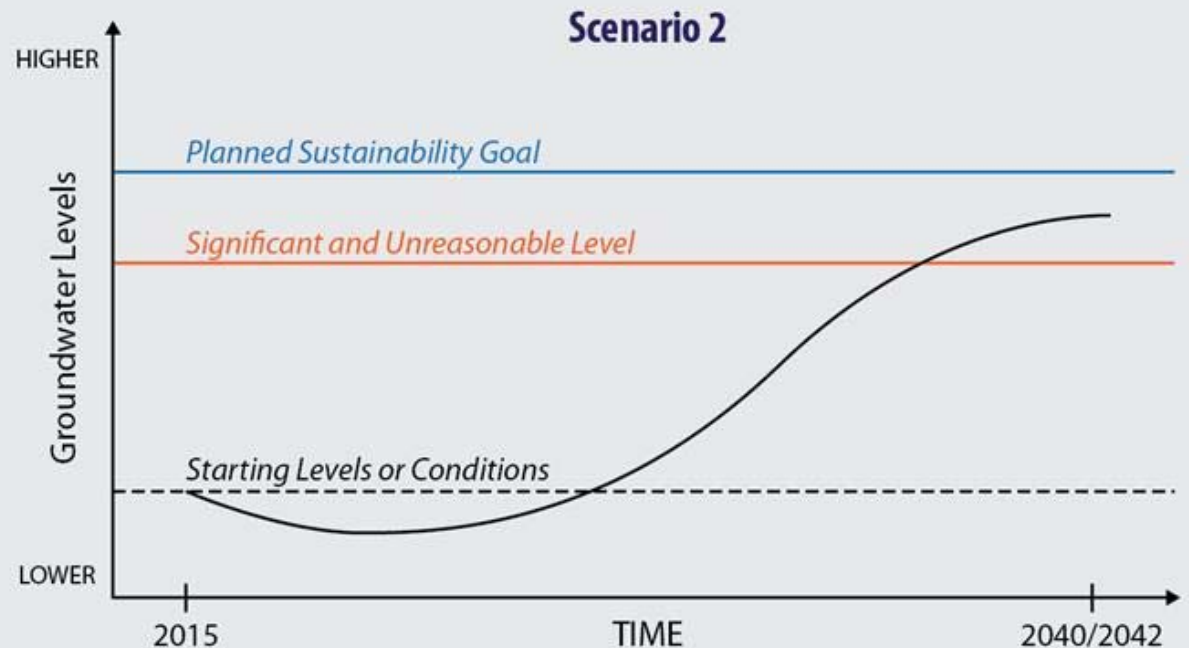
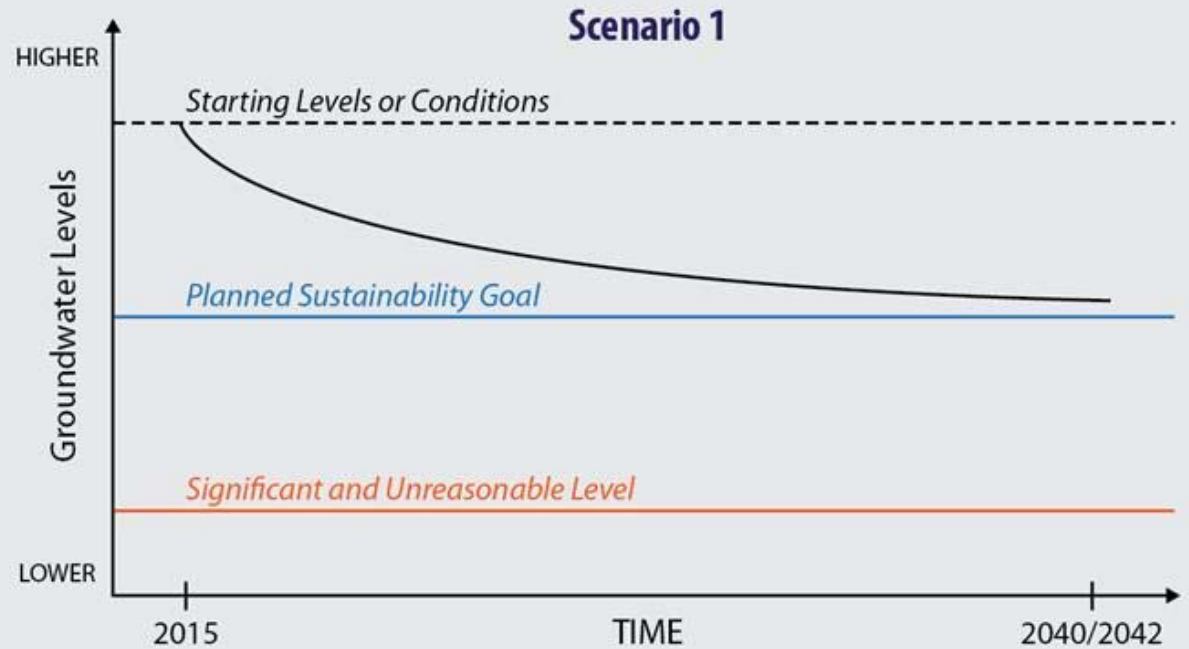
Paths to Sustainability?

(Ex. Chronic Lowering of Groundwater Levels)



Undesirable Results

Setting Planned Goals and Significant and Unreasonable Thresholds



Undesirable Result	Measurable Objective	Possible Threshold
Chronic lowering of groundwater levels	Water level at key locations	<ul style="list-style-type: none"> • No less than at any time AFTER earlier mitigation of undesirable results and PRIOR to 2015, OR • No less than at any time prior to 2015, OR • No less than at any time prior to 2042, OR • Any fixed level arrived at through local/state political consensus about "significant and unreasonable", driven by economic cost: <ul style="list-style-type: none"> • Significant and unreasonable increase in pumping cost • Significant and unreasonable cost of new well installation / well deepening
Reduction in groundwater storage	Water level at key locations	<ul style="list-style-type: none"> • Significant and unreasonable increase in pumping cost • Significant and unreasonable cost of new well installation / well deepening
Seawater intrusion	Water level at key locations; GW Salinity	<p>Identify seawater intrusion threat via geologic and geochemical characterization & modeling => define safe water level thresholds for land subsidence. Threshold:</p> <ul style="list-style-type: none"> • Higher than land subsidence-driven threshold or any of the above, whichever is higher
Degraded water quality	Porter-Cologne /anti-degradation	<ul style="list-style-type: none"> • set by current and future RWB regulations • Use modeling and assessment to link groundwater management actions to RWB objectives
Land subsidence	Water level at key locations	<p>Identify subsidence threat via geologic characterization & modeling => define safe water level thresholds for land subsidence. Threshold:</p> <ul style="list-style-type: none"> • Higher than land subsidence-driven threshold or any of the above, whichever is higher
Depletion of interconnected surface water & adverse impacts on SW beneficial uses	<p>Water level at key locations (within 1 mile of stream?)</p> <p>Surface critical low flows at key locations & times</p>	<p>Use modeling and assessment to link impact of groundwater management/use to beneficial uses of surface water => set thresholds</p> <ul style="list-style-type: none"> • No less than at any time AFTER earlier mitigation of undesirable results and PRIOR to 2015 => no further assessment needed • Higher than surface water beneficial use-driven thresholds or any of the above, whichever is higher

Kern Groundwater Authority GSA Development Timeline

