SCV GSA

MEMBER AGENCIES

SCV WATER

CITY OF SANTA CLARITA

LOS ANGELES COUNTY DEPARTMENT of REGIONAL PLANNING

LACWD

Discussion of Sustainable Management Criteria Development

January 25, 2021

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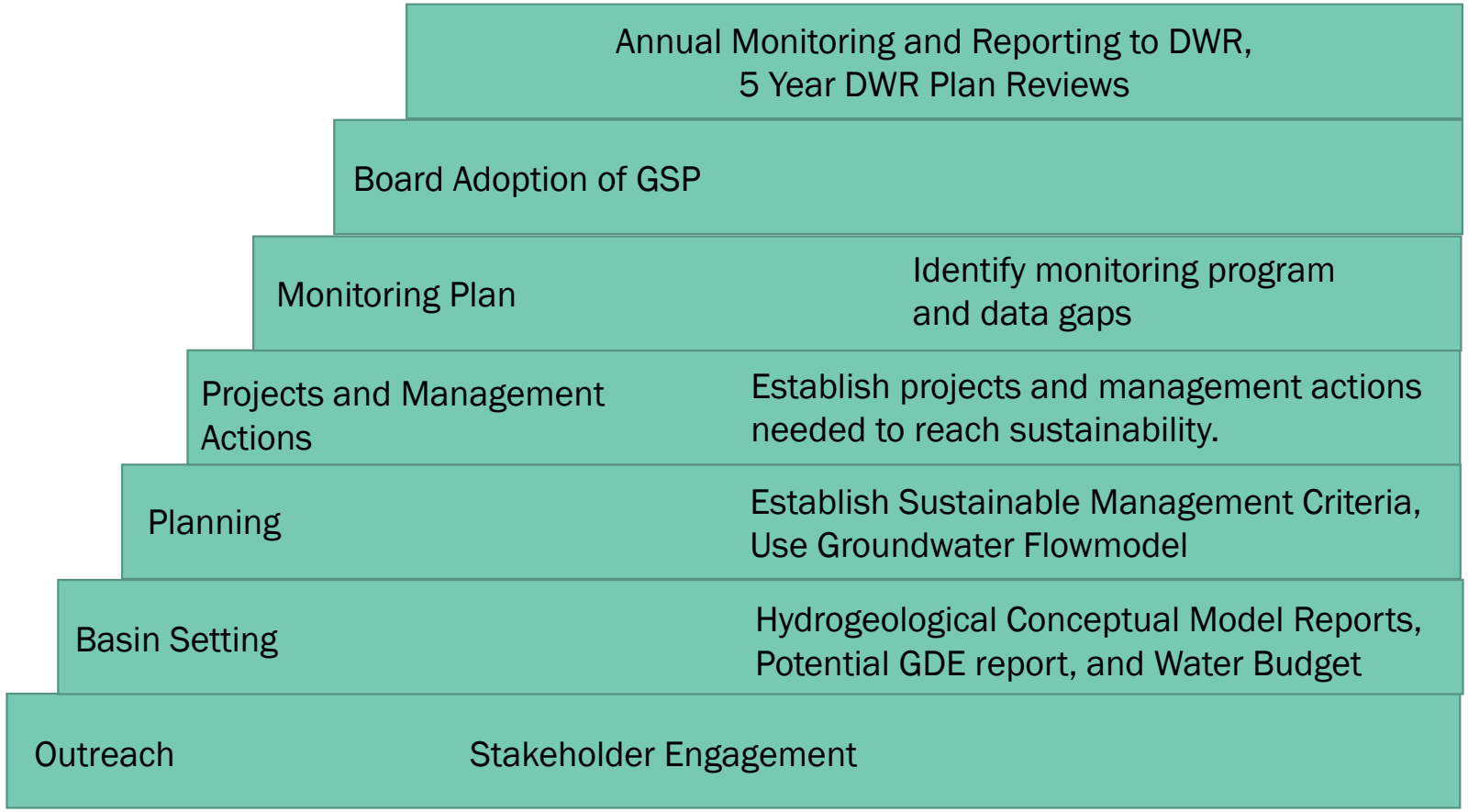
Discussion Outline

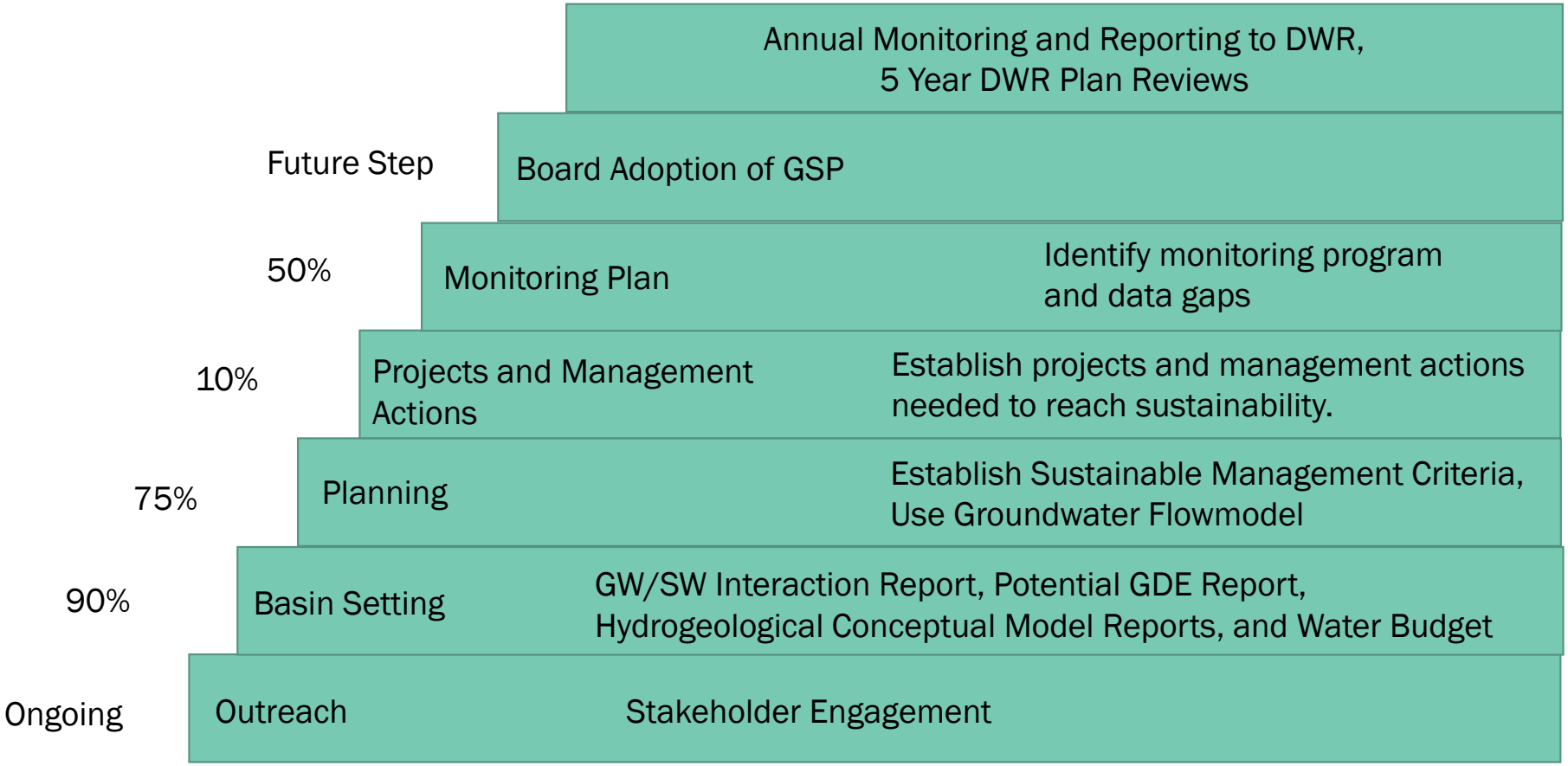
- Overview of Key Components of GSP Development through Board Adoption
- Review Sustainable Management Criteria Concepts with Some Examples
- SAC meetings on SMC
- Future Board Input and Direction

Santa Clara River – Photo Credit: The Nature Conservancy

Key Components GSP Development



Status of Key Components

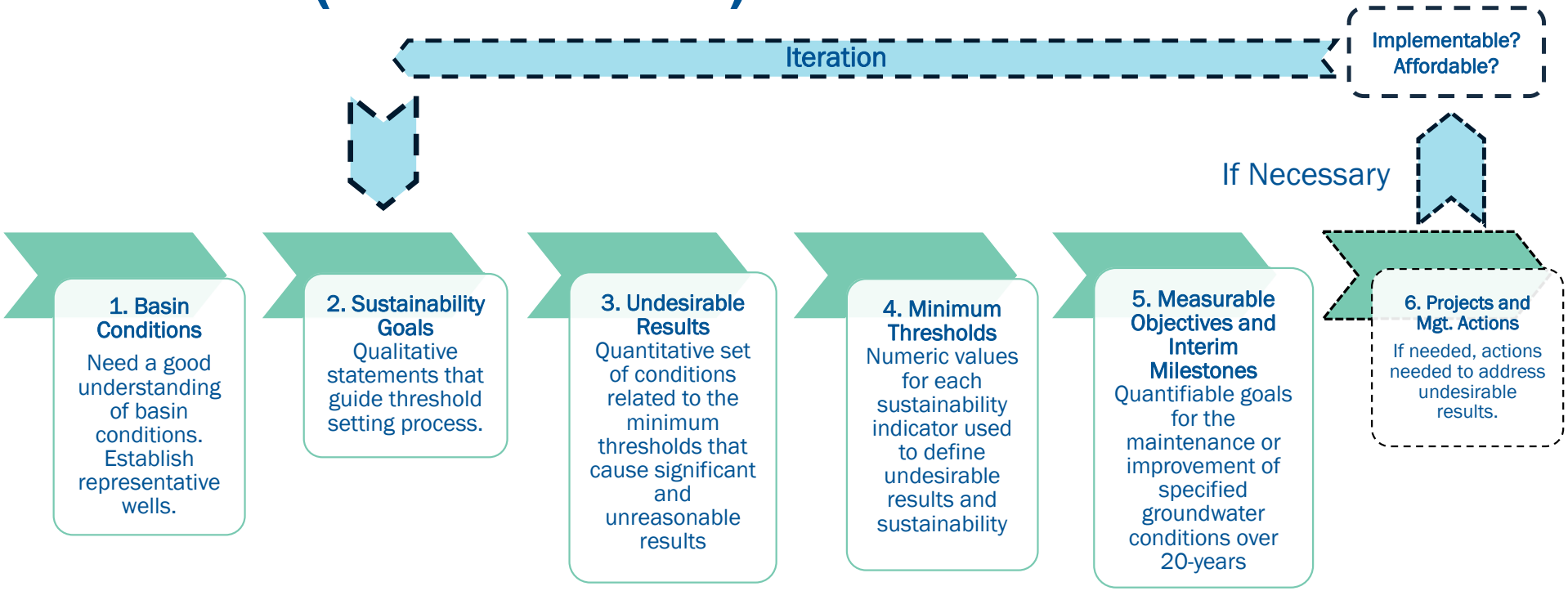


Sustainable Management Criteria Development Process

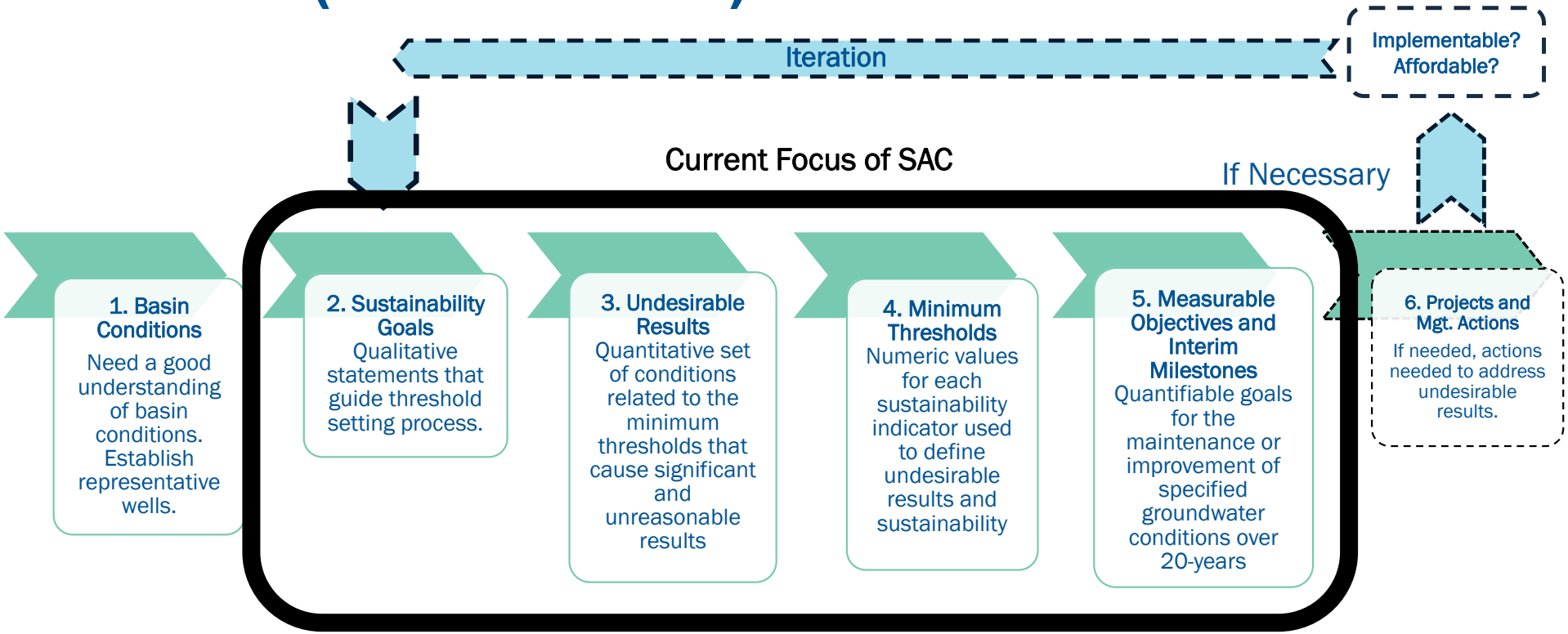
- Understand Basin Setting
- Develop Sustainability Goals
- Review the Six Sustainability Indicators
- Identify Undesirable Results
- Set Metrics for Undesirable Results and Management Objectives
- Iterative Process

Santa Clara River – Photo Credit: The Nature Conservancy

Sustainable Management Criteria Development Steps for each Sustainability Indicator ( )



Sustainable Management Criteria (SMC) Development Steps for each Sustainability Indicator ( )



Suggested Sustainability Goal (so far)

"The goal of this GSP is to sustainably manage the groundwater resources of the Upper Santa Clara River Basin for current and future beneficial uses of groundwater, including the river environment through an adaptive management approach that builds on robust science and monitoring and considers economic, social and other objectives of a wide variety of stakeholders."

Example Undesirable Results

Chronic Lowering of Groundwater Levels

Water levels drop below minimum thresholds in a number of wells

Reduction of Groundwater Storage

Reduction in groundwater storage resulting in insufficient supply during extended drought

Degraded Water Quality

MCL exceedances in private wells, loss of municipal supply due to inability to treat contaminants, salts higher than Salt and Nutrient Management Plan

Land Subsidence

Land surface deformation causing broken pipelines and damaged roads

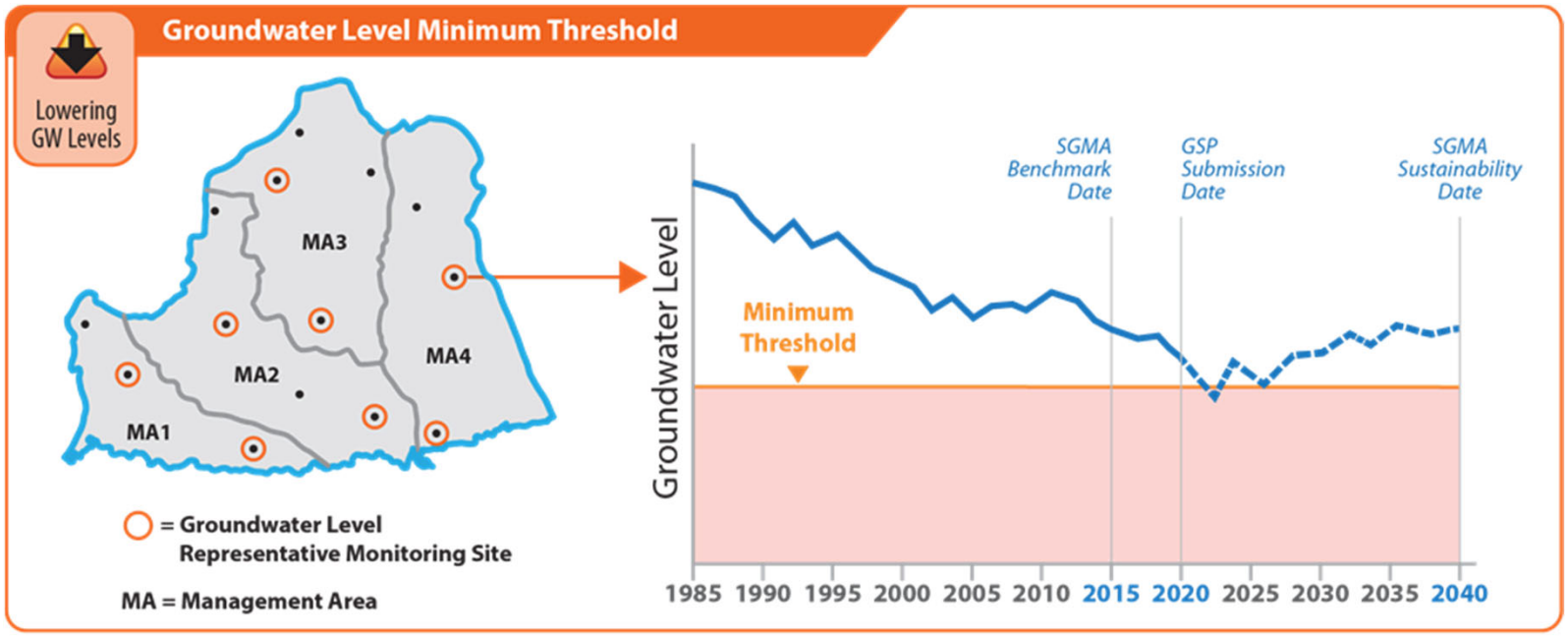
Depletions of Interconnected Surface Water

Permanent loss or significant degradation of existing habitat

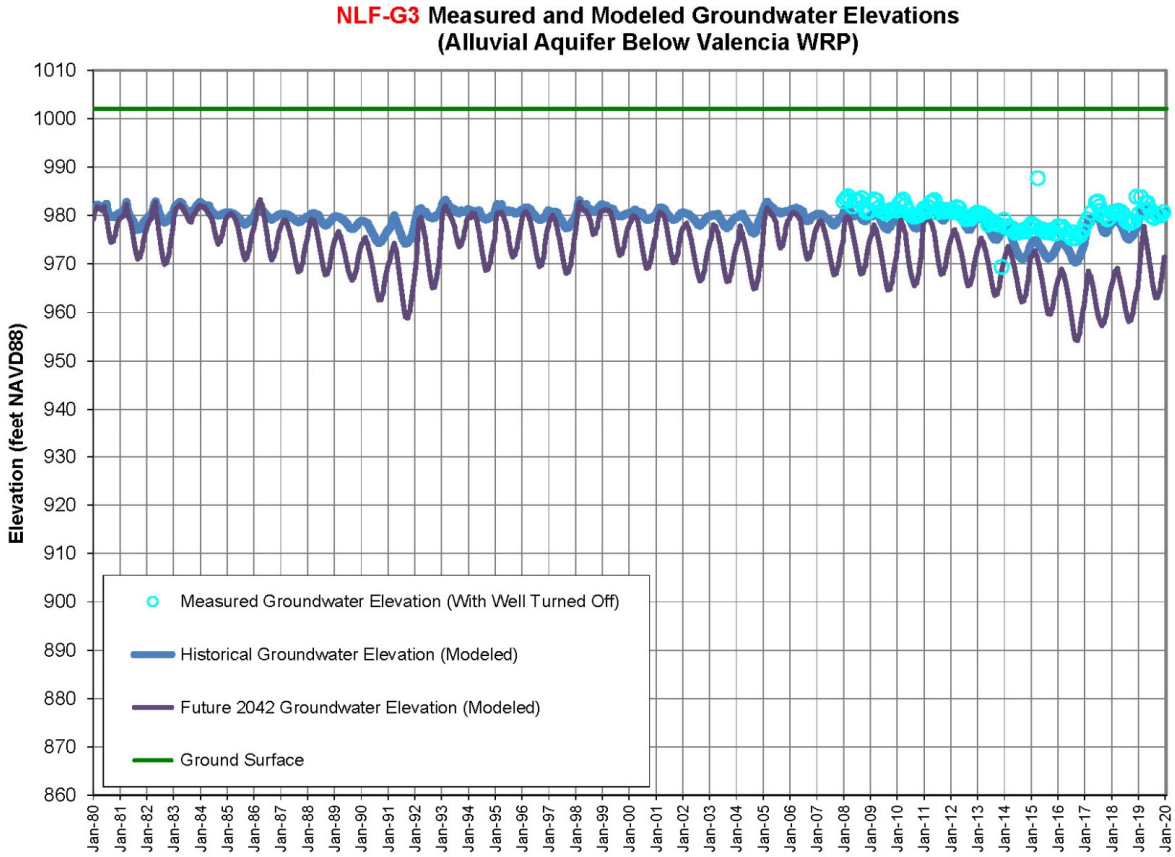
Seawater Intrusion

(Not applicable here due to inland position of basin)

DWR Example of Chronic Reduction in Groundwater Levels and Minimum Threshold



Alluvial Observation Well 1 Mile Below Valencia WRP



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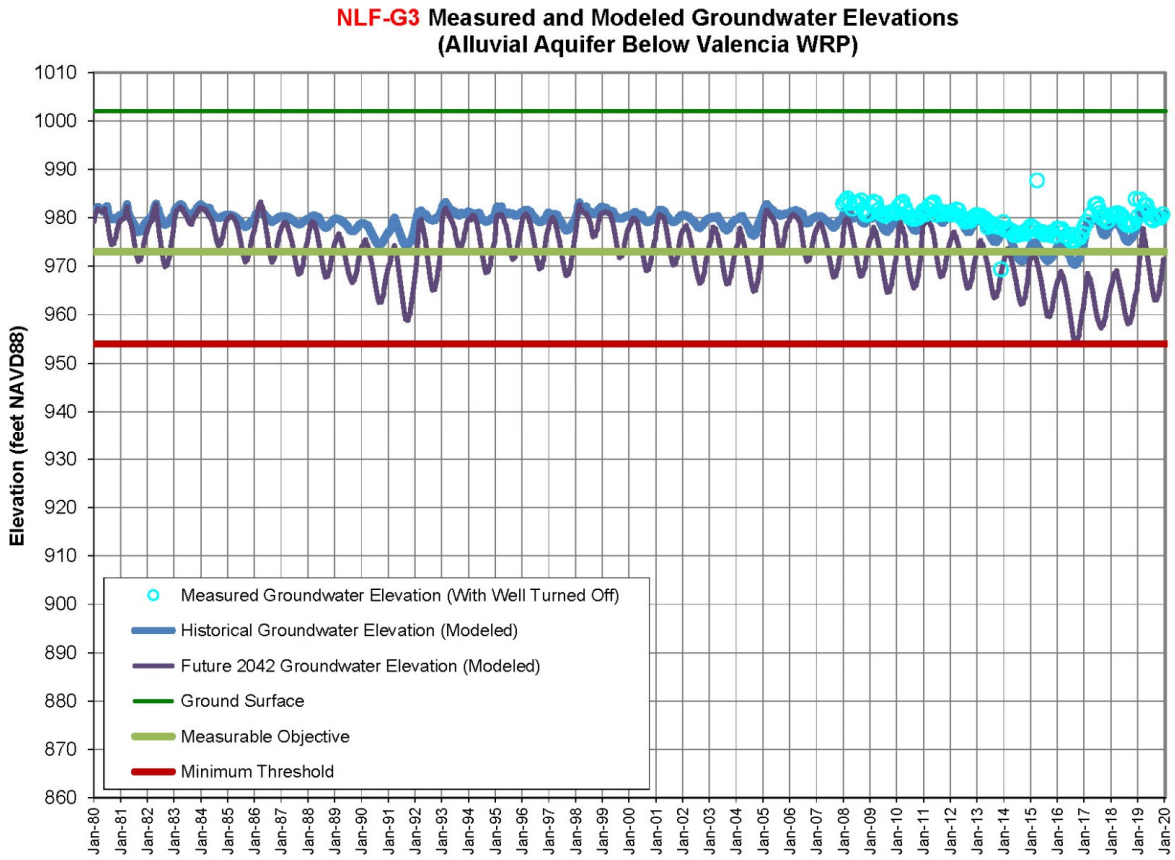

MO represents average predicted water level

MO = 973' NAVD88

MT = 954' NAVD88

MT represents lowest predicted water level

Stakeholder Advisory Committee Efforts on Topic

- November 18, 2020 meeting
- January 12, 2021 Meeting
- January 27, 2021 Meeting
- February 24, 2021 Meeting
- Public Workshop March 10, 2021

Santa Clara River – Photo Credit: The Nature Conservancy

Board Discussion

Want to know if you have any concerns about the path we are on

Value for your Board to monitor the SAC process and content being produced

Additional opportunities at special Board meetings to discuss

Santa Clara River – Photo Credit: The Nature Conservancy

Near Term Next Steps

- Continue to engage SAC in development of the Draft TM on Proposed Sustainable Management Criteria
- Hold Public Workshop on Draft TM (March 10, 2021)
- Seek Board's feedback on Draft TM on Proposed Sustainable Management Criteria

- Questions?