

# UKIAH VALLEY BASIN GROUNDWATER SUSTAINABILITY AGENCY

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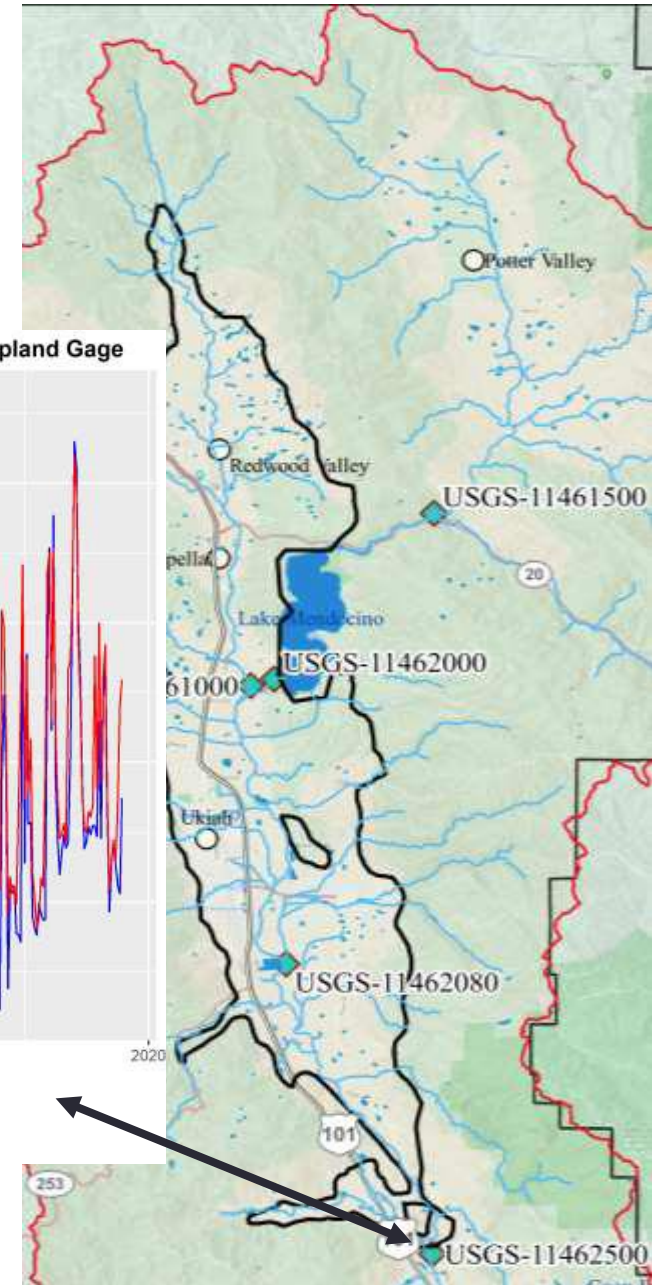
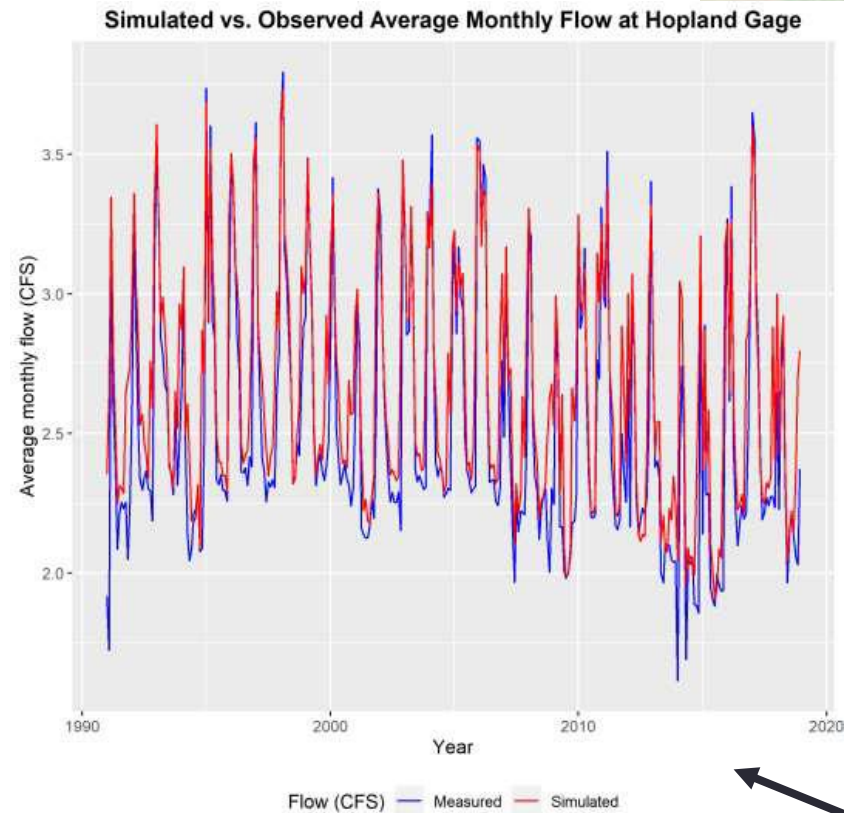
Mendocino County Board of Supervisors  
Special Meeting  
April 12, 2021

## Planned Next Steps and Schedule

Task	Estimated Completion Time
Model Calibration and Improvement	Up to June 2021
Historical and Projected Water Budgets	January 2021
Future Scenarios Analysis	By May 2021
Sustainable Yield Analysis	By February 2021
Monitoring Network Evaluation	By May 2021
Projects and Management Actions	By June 2021

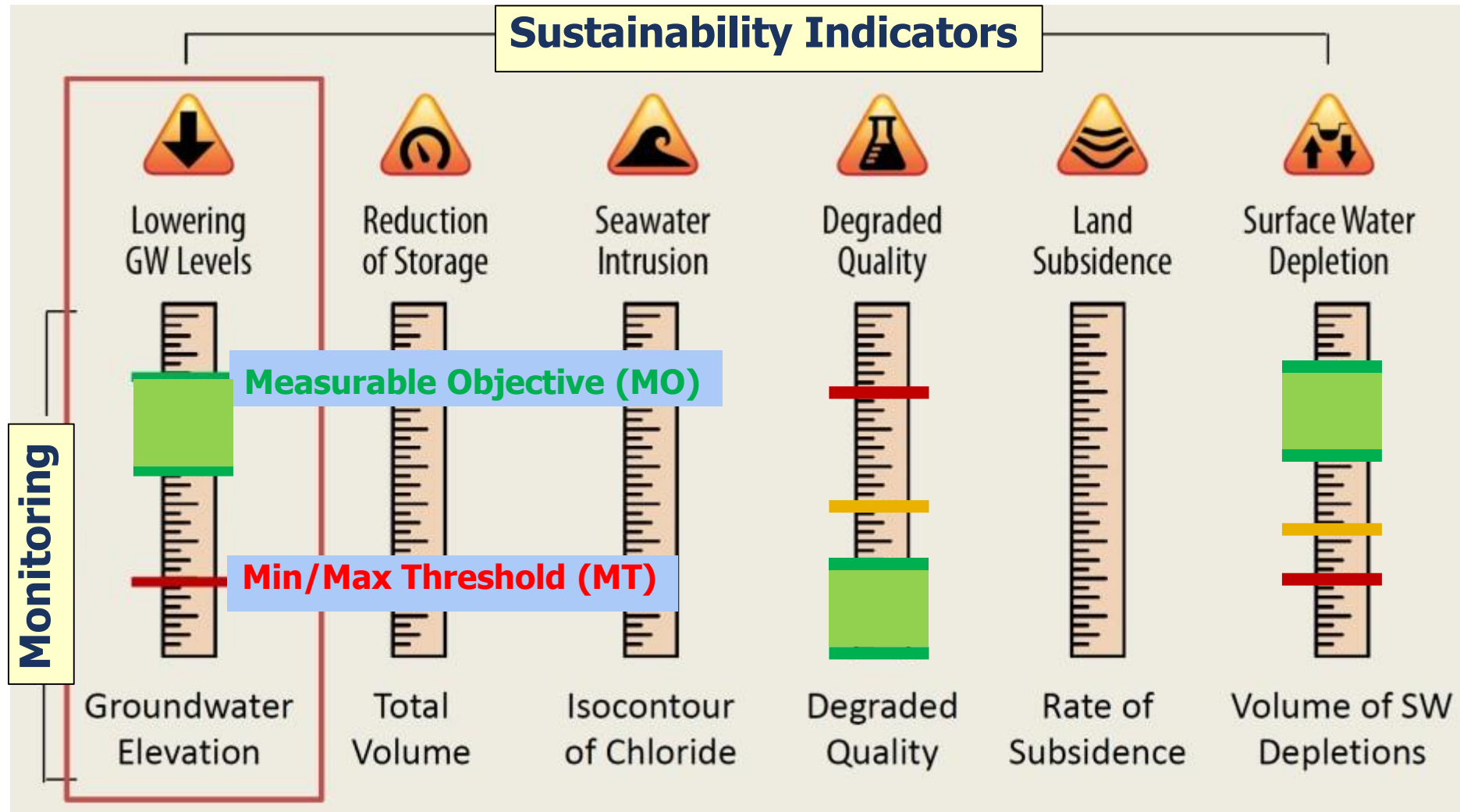
# Integrated Model/Future Projections

- Integrated Model compatible with
  - USGS Model
  - Sonoma Water Model
- Model Future Scenarios
  - PVP Flow Reduction
  - Sustained Long Term Drought
- Simulate River Flows
- Simulate Water Budget



# Developing “Thermometers” to Gauge the Health of the Basin for Each Applicable Undesirable Result

- Wells used to Monitor levels for MO & MT
- Measurable Objective (MO):** Goal that we want to strive for.
- Minimum Threshold (MT):**  
Quantitative value reflecting what is significant and unreasonable. *The line we don't want to cross.*



# Monitoring Network

- 16 CASGEM Wells
- 10 Continuously Monitored Wells (5 to be drilled)
- 4 DWR Wells
  - Used to create transects of the valley
- 4 Streamgages
- Used for Water Quality, Groundwater Elevation and Surface Water Monitoring





# Project and Management Actions

- Included in the GSP to be eligible for State implementation grants
- Reduce Evaporative Loss in Storage Facilities
- Implement Recharge Projects
  - Timely off season diversions
  - Utilize frost protection systems
  - Buildout recycled water project
- Protect Source Waters and Recharge Areas
  - Purchase tributaries and headwaters to protect flow
- Coordinate basin wide water saving measures



Questions?