

Wetlands

Potential Groundwater Dependent Ecosystems (Beta v0.3)

 All medium and high basins have at least one potential GDE

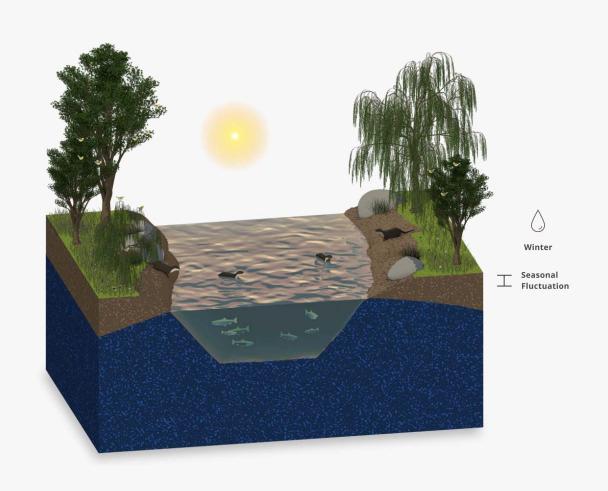
Covers over 6 million acres



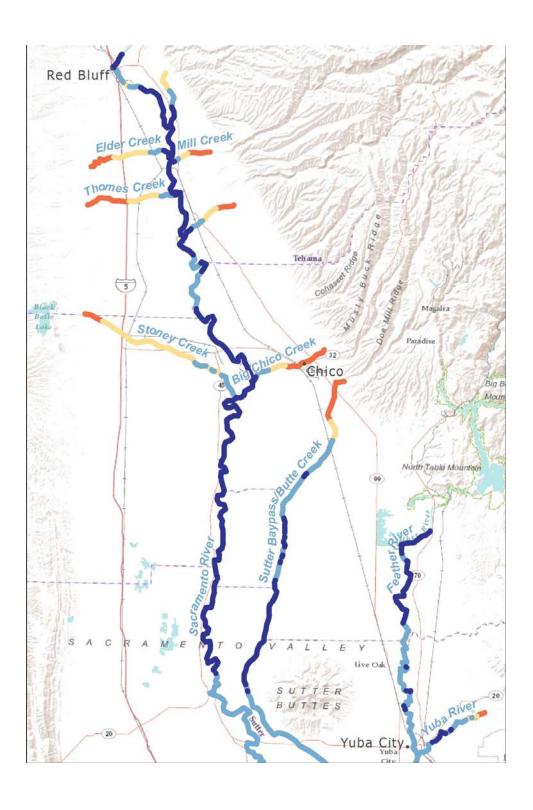
#### Interconnected Surface Water



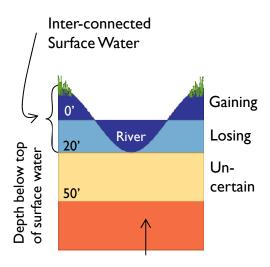
"Surface water that is hydraulically connected at any point by a continuous saturated zone to the underlying aquifer and the overlying surface water is not completely depleted"



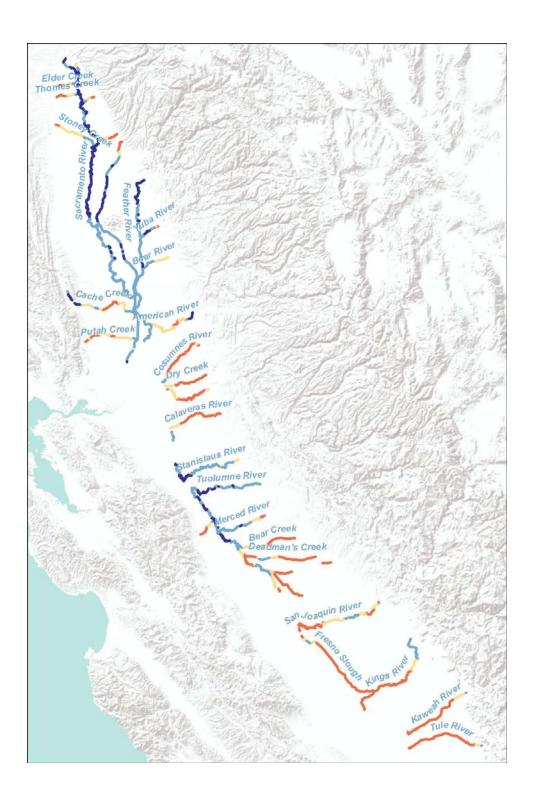




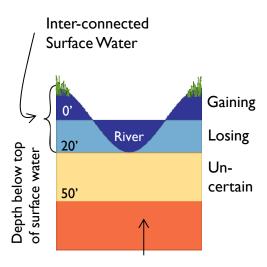
# Mapping Interconnected Surface Water



Stream or river likely **disconnected** from regional groundwater



# Mapping Interconnected Surface Water

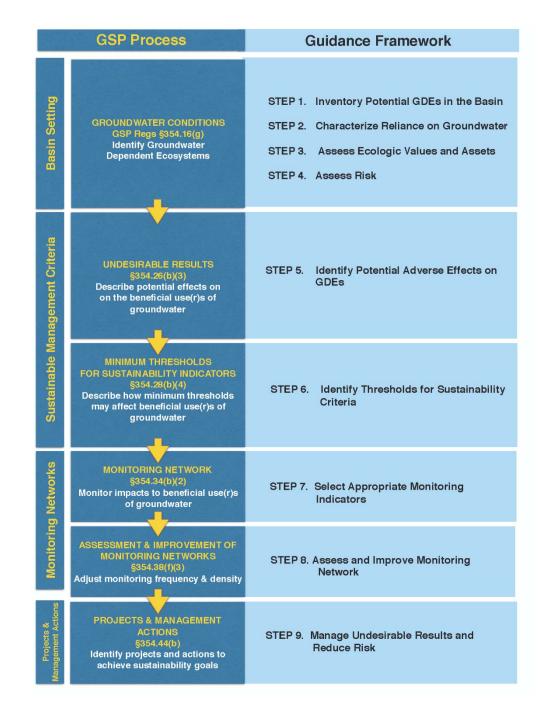


Stream or river likely **disconnected** from regional groundwater



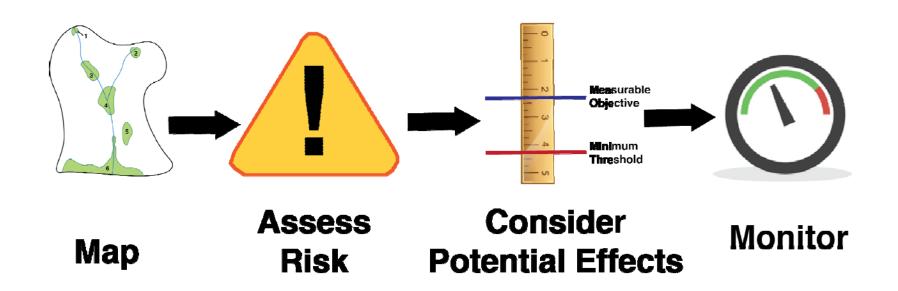
#### **3 Guiding Principles**

- 1. Consistent with SGMA & GSP Regulations
- 2. Facilitates Local Control
- 3. Practical, easy-to-use

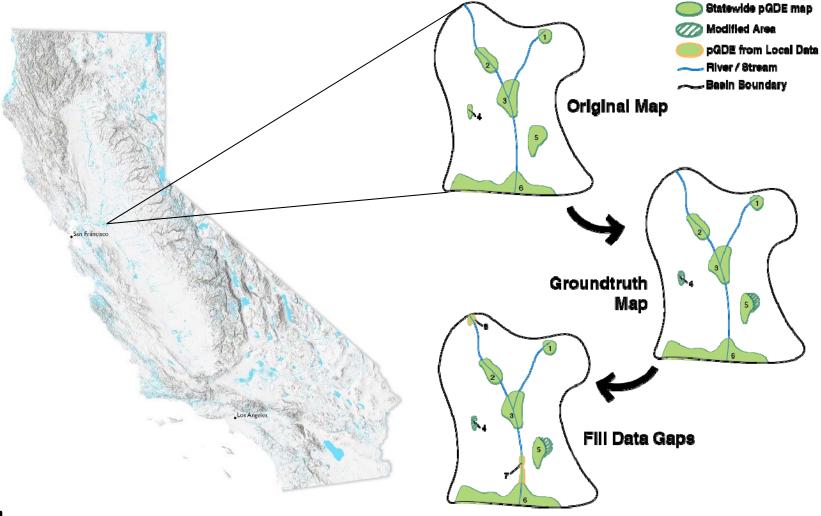




#### **GDE Guidance Framework**







Map

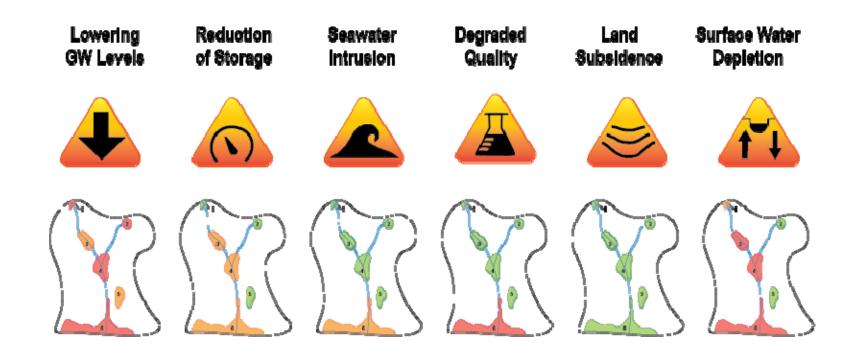


#### **GROUNDWATER SUSCEPTIBILITY (Step 4.1)**

		High	Medium	Low
ECOLOGIC VALUE (Step 3)	High	HIGH RISK Continue to Step 5	HIGH RISK Continue to Step 5	MODERATE RISK Continue to Step 5
	Medium	HIGH RISK Continue to Step 5	MODERATE RISK Continue to Step 5	MODERATE RISK Continue to Step 5
	Low	MODERATE RISK Continue to Step 5	MODERATE RISK Continue to Step 5	LOW RISK Revisit Risk Matrix ranking in next GSP

**Assess Risk** 





### **Consider Potential Effects**



### TNC's Role in SGMA: GDE Resource Center



GDE 101
Online Visualization





DISCLAIMER
This is a working draft, and in not feat. It is currently undergoing development and leating with local and state water agencies. Please contact Melissa Robids (melissa robids@tvs.org), with any questions or occurrency our may have regarding the

Guidance on Considering GDEs in Plans



**Data and Research** 



**Case Studies**