



USEPA's Brownfields Program

Overview and solicitation to
partner with CA Issues Workgroup
members

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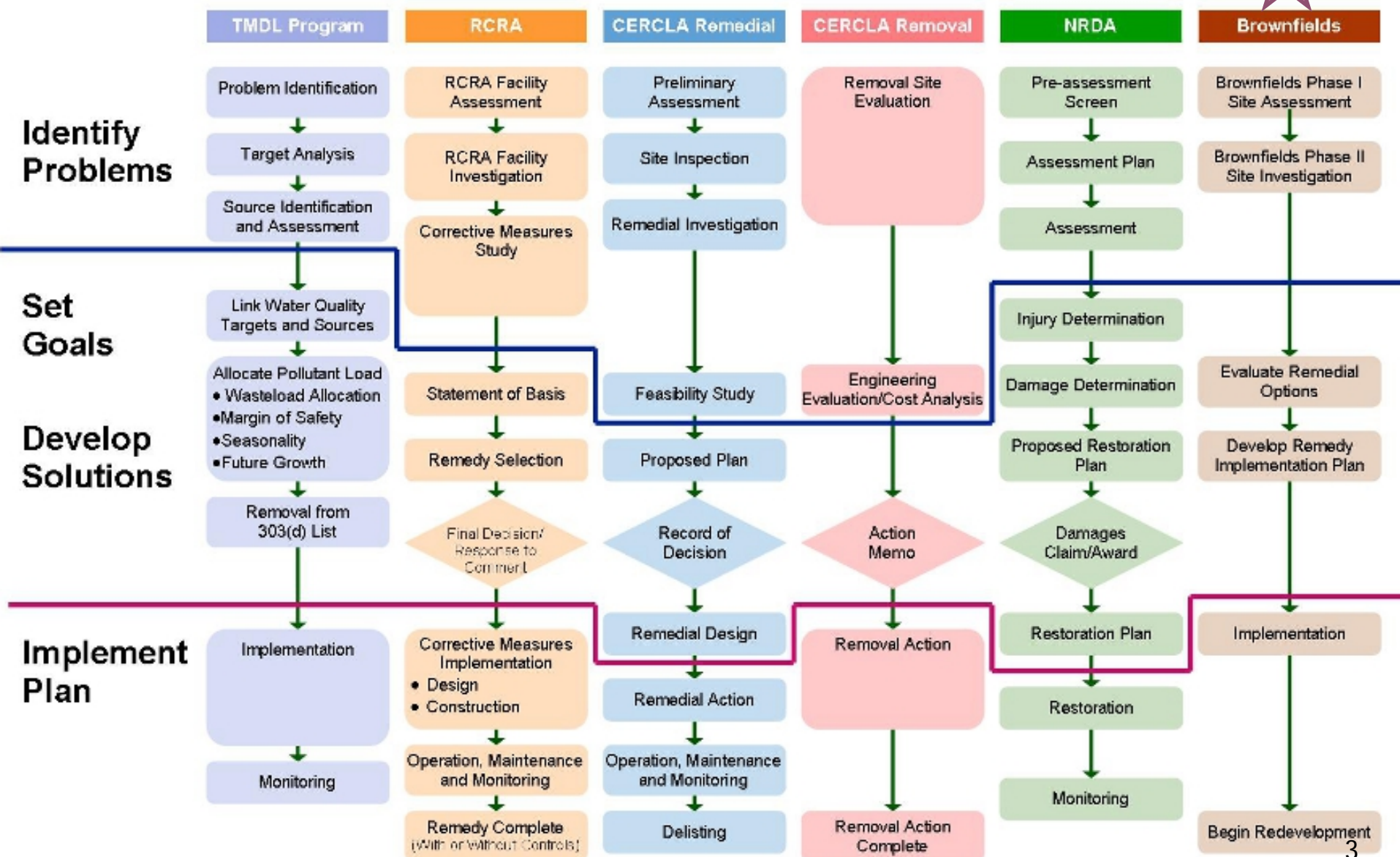
Who am I?



- MS and PhD at UC Davis; licensed Professional Engineer; certified Lake Manager
- Small water quality consulting firm; team on larger projects
- Work in region, state, overseas
- Facilitate mercury stakeholders in Delta Tributaries Mercury Council



EPA Assessment and Cleanup Programs





What is a “Brownfield”?

- “... **real property**, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of hazardous substances, pollutants, **contaminants**, controlled substances, petroleum or petroleum products, or is **mine-scarred land**.”
- Liability protection, funds & technical assistance (not enforcement) to assess and clean up sites

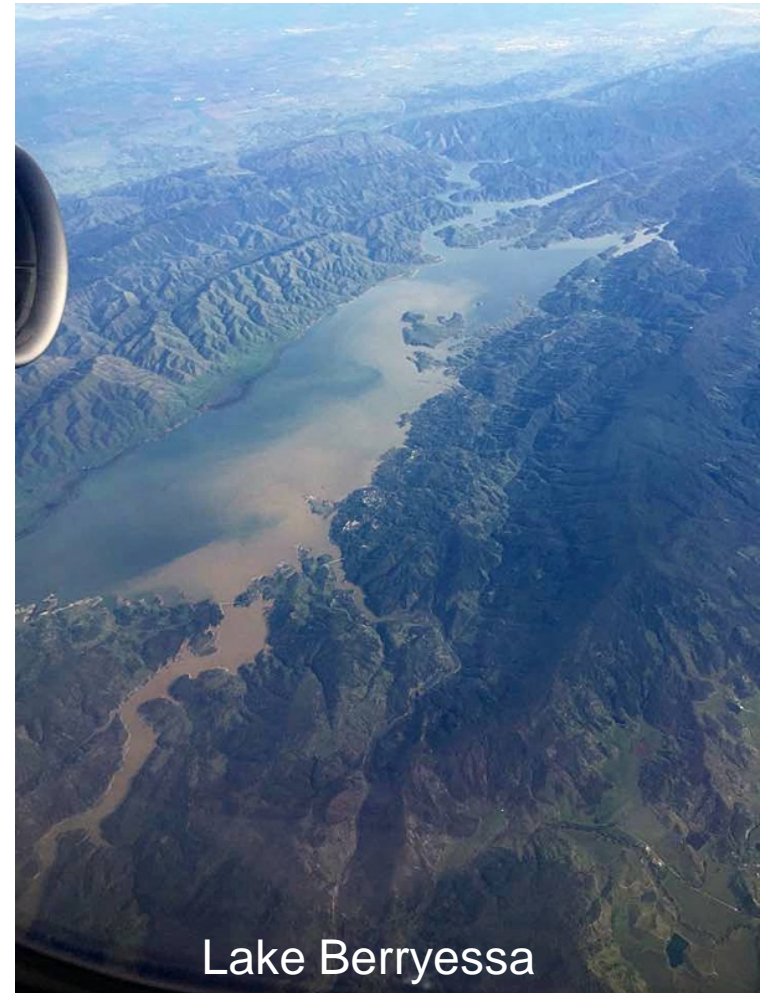
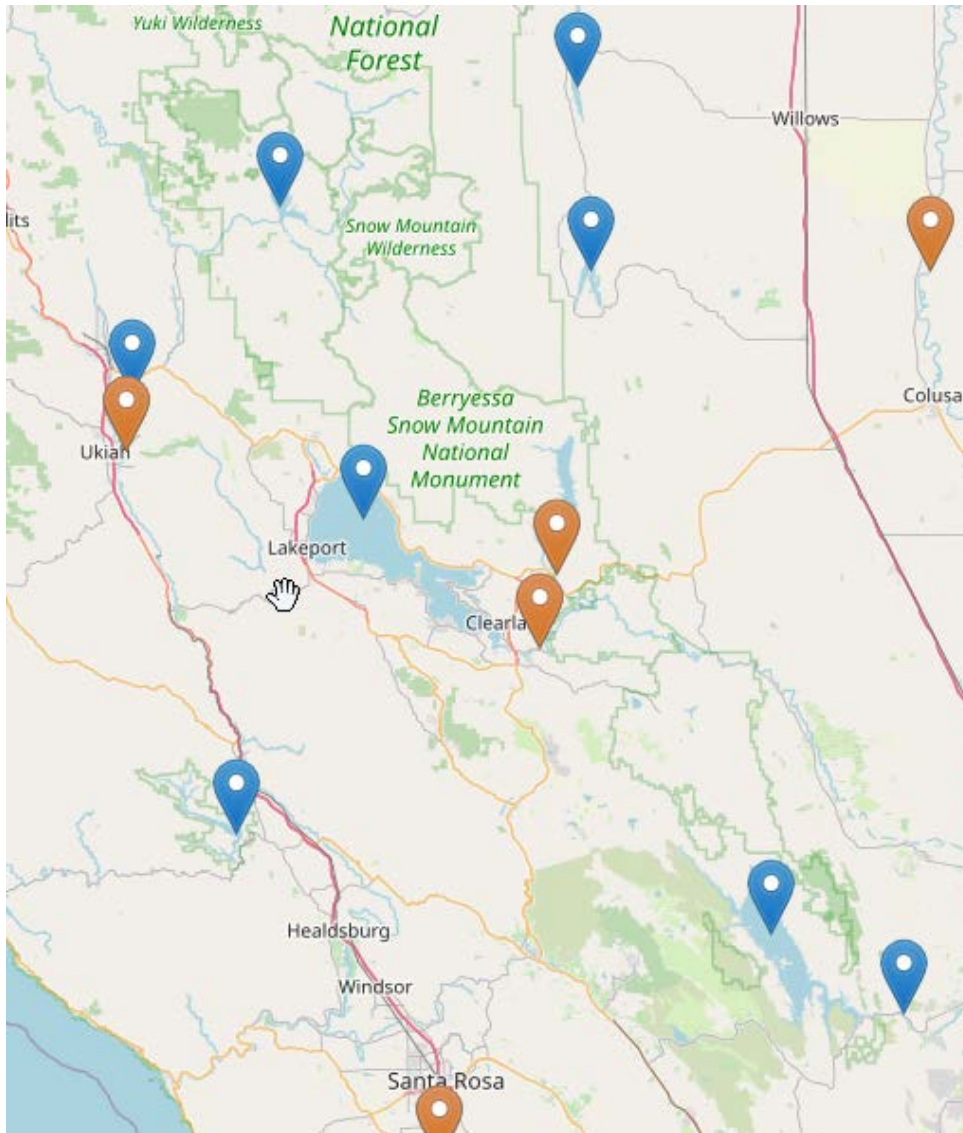
Small Business Liability Relief and Brownfields Revitalization Act (Jan. **2002**)



New & Improved! BUILD Act (2018)

- Larger grants
- Multipurpose/phase grants
- Better liability protection
- More eligible types

Fish Consumption Advisories



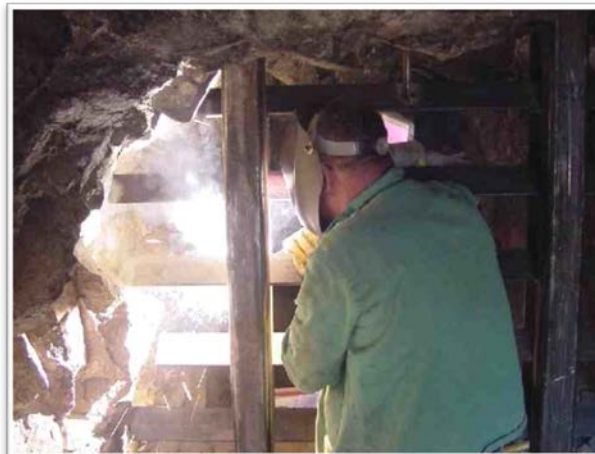
CA mercury mine site in 1950's



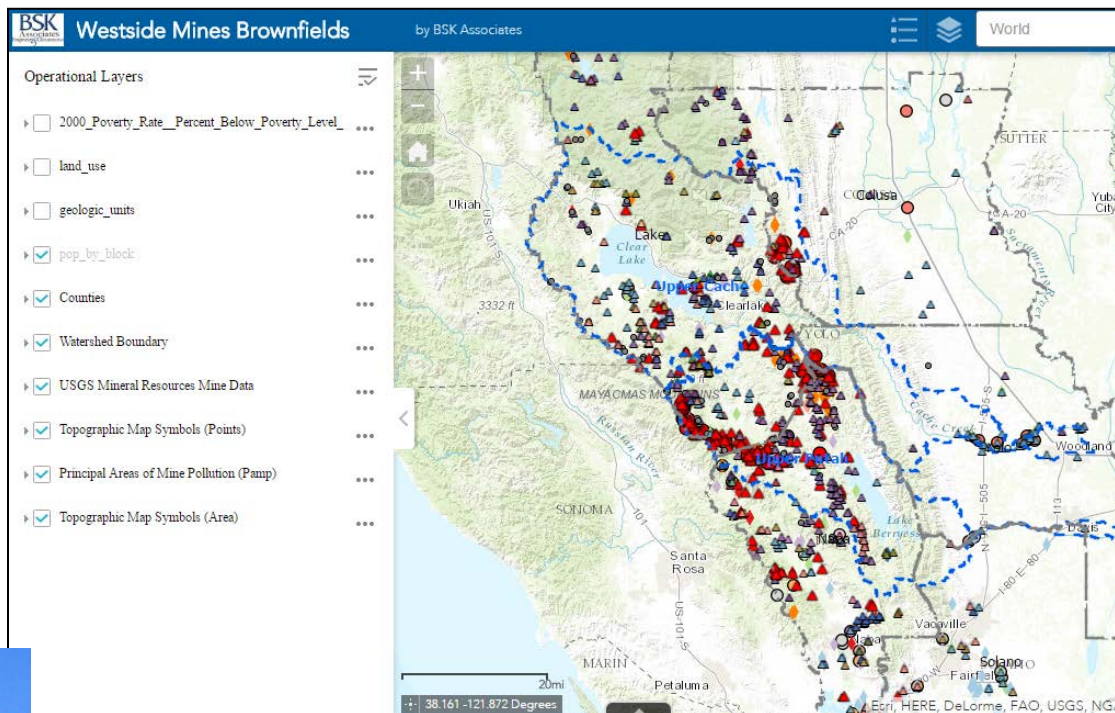
Mine Cleanup Efforts



Clockwise from top left:
fence, backfill, culvert gate,
cupola, bat gate, PUF.



Previous Assessment Grant

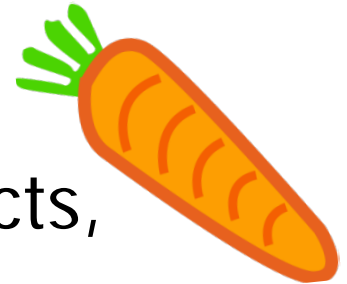


<https://www.westsideirwmbrownfields.org/>



Key Benefits

- Lots of assess & cleanup **funding**
- Broad **interest** (municipalities, districts, regulators, land managers)
- **Capable** agency staff & contractors
- Unearth rich **history**
- **Improve** land & ecosystems
- **Voluntary** participation & access
- **Public** (but not publicized) results





Grant Options

- Site assessment (individual, community or coalition)
- Site-specific cleanup
- Multipurpose (assess, cleanup & plan reuse)
- Typically \$300K - \$800K



Annual Grant Cycle

- Guidelines released **this fall**
 - Apply by **Nov-Dec**
 - Awards in **spring**
 - Agreements signed/start work **next fall**
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- Quarterly & annual reports
 - 3 years to implement

Brownfield Assessment, Cleanup & Reuse Process

1. Identify properties and get EPA approval
2. Determine nature and extent of contamination
3. Evaluate public health and environmental risks re intended reuse
4. Set cleanup goals based on redevelopment plan
5. *Get to it!*





Let's Make It Real!

Potential Project/ Site	Contact
1) Clear Lake, Fluridone herbicide for hydrilla control in shoreline sediments; harms tule	Sarah Ryan, Big Valley
2) 128A program(?), community-wide assessment	
3) Chicken ranch	
4)	
5)	



For more information

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