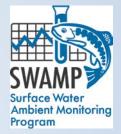
CALIFORNI

# Healthy Streams

A work group of the California Water Quality Monitoring Council whose mission is to promote the protection of healthy streams and the restoration of threatened and impaired streams.









**INIVERSITY OF CALIFORNIA** 







HSP Website: <a href="http://www.mywaterquality.ca.gov/monitoring\_council/healthy\_streams/">http://www.mywaterquality.ca.gov/monitoring\_council/healthy\_streams/</a>

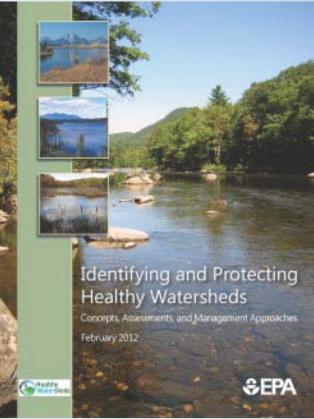
#### **USEPA Healthy Watershed Initiative**

Overarching goals of the Initiative

- Identify healthy watersheds.
- Protect and maintain healthy watersheds, and increase their numbers over time.
- Raise the visibility and importance of protecting high quality waters.

EPA HWI website

www.epa.gov/healthywatersheds



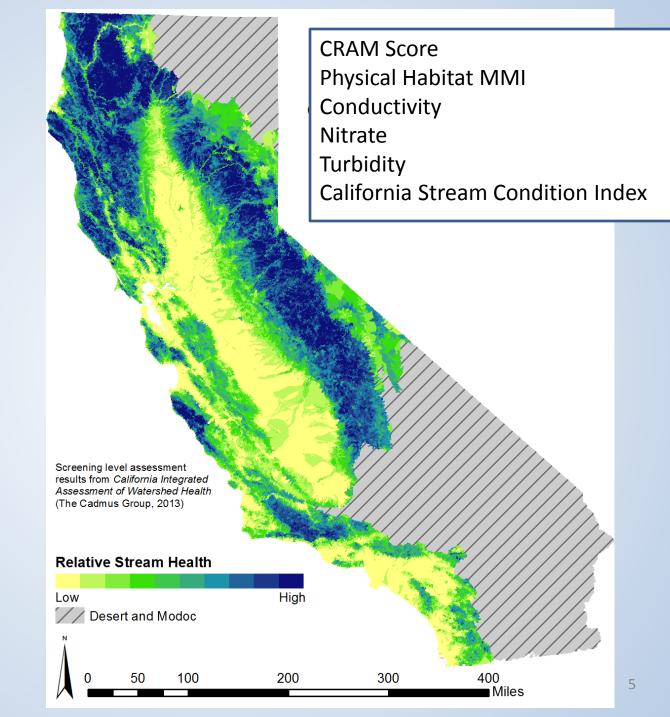
#### **California Watershed Assessments**

- Partnership between USEPA Healthy Watershed Initiative and the Healthy Streams Partnership.
  - USEPA funded
  - Technical work conducted by Cadmus
  - HSP served as the technical review team
- Multimetric indices
  - Watershed condition
  - Stream health
  - Watershed vulnerability

## Relative Watershed Condition Index

Percent Natural Land Cover Percent Intact Active River Area Sedimentation Risk Percent Artificial Drainage Area Dam Storage Ratio **Road Crossing Density** Screening level assessment results from California Integrated Assessment of Watershed Health (The Cadmus Group, 2013) **Relative Watershed Condition** High Low 200 400 300 100 4 Miles

# Relative Stream Health Index

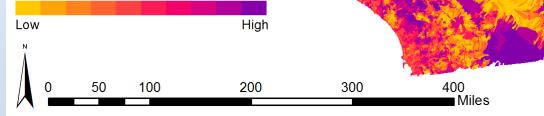


## Relative Watershed Vulnerability Index

Projected Change in:
-Precipitation
-Mean Temperature
-Minimum Temperature
-Maximum Temperature
-Baseflow
-Snowpack
-Wildfire Severity
-Surface Runoff
Projected Land Cover Change
Current Water Demand
Fire Regime Condition Class

Screening level assessment results from *California Integrated Assessment of Watershed Health* (The Cadmus Group, 2013)

#### **Relative Watershed Vulnerability**



#### **Final Report**

- Available on HSP website.
- Assessment data available.

CALIFORNIA INTEGRATED ASSESSMENT OF WATERSHED HEALTH





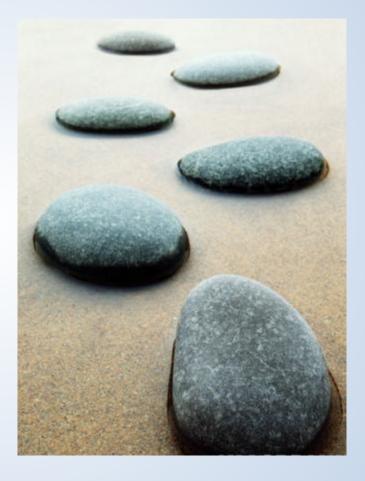


A Report on the Status and Vulnerability of Watershed Health in California

October 2013

#### **Next Steps**

- Communicate Results
  - Healthy Streams Portal
  - Watershed Report Cards
  - Technical tools
- Support management actions to protect and restore watersheds
  - Integrated Report
  - Restoration grants
  - Policies and plans
- Build on existing framework
  - Continue to refine assessments
- Collaborate with similar efforts



#### **Healthy Streams Partnership**

http://www.mywaterquality.ca.gov/monitoring\_council/healthy\_streams/

#### **Healthy Streams Portal**

http://www.mywaterquality.ca.gov/eco\_health/streams/

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