

Living River Project

Lower Santa Cruz



Emily Brott & Claire Zugmeyer, Sonoran Institute

April 15, 2013

Santa Cruz River Research Days



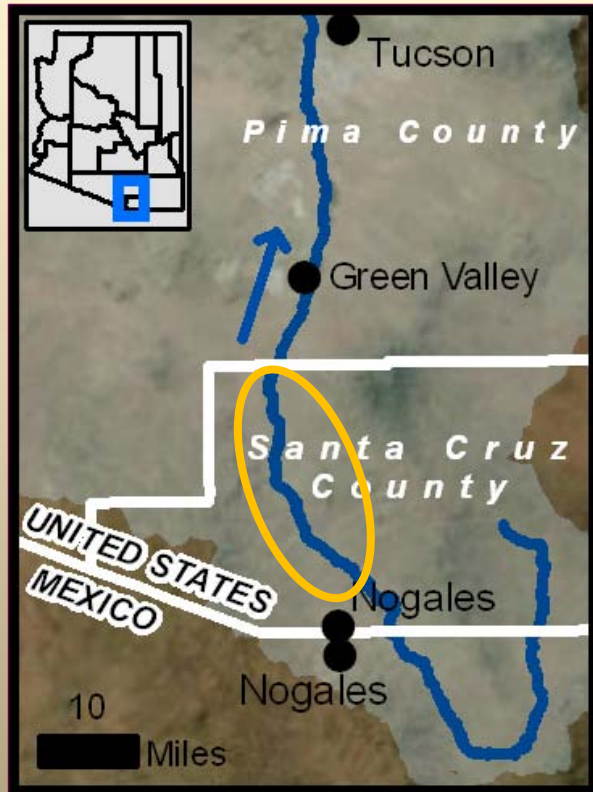
**Office of
Sustainability and
Conservation**



Upper Santa Cruz Living River Project



Upper Santa Cruz Living River Results



- Fish returning
- Water quality improving
- River not flowing as far
- Metals & *E. coli* still of concern

Integration of Lower Santa Cruz Living River into Other Efforts

Living River
Annual Report:
Wetland Health



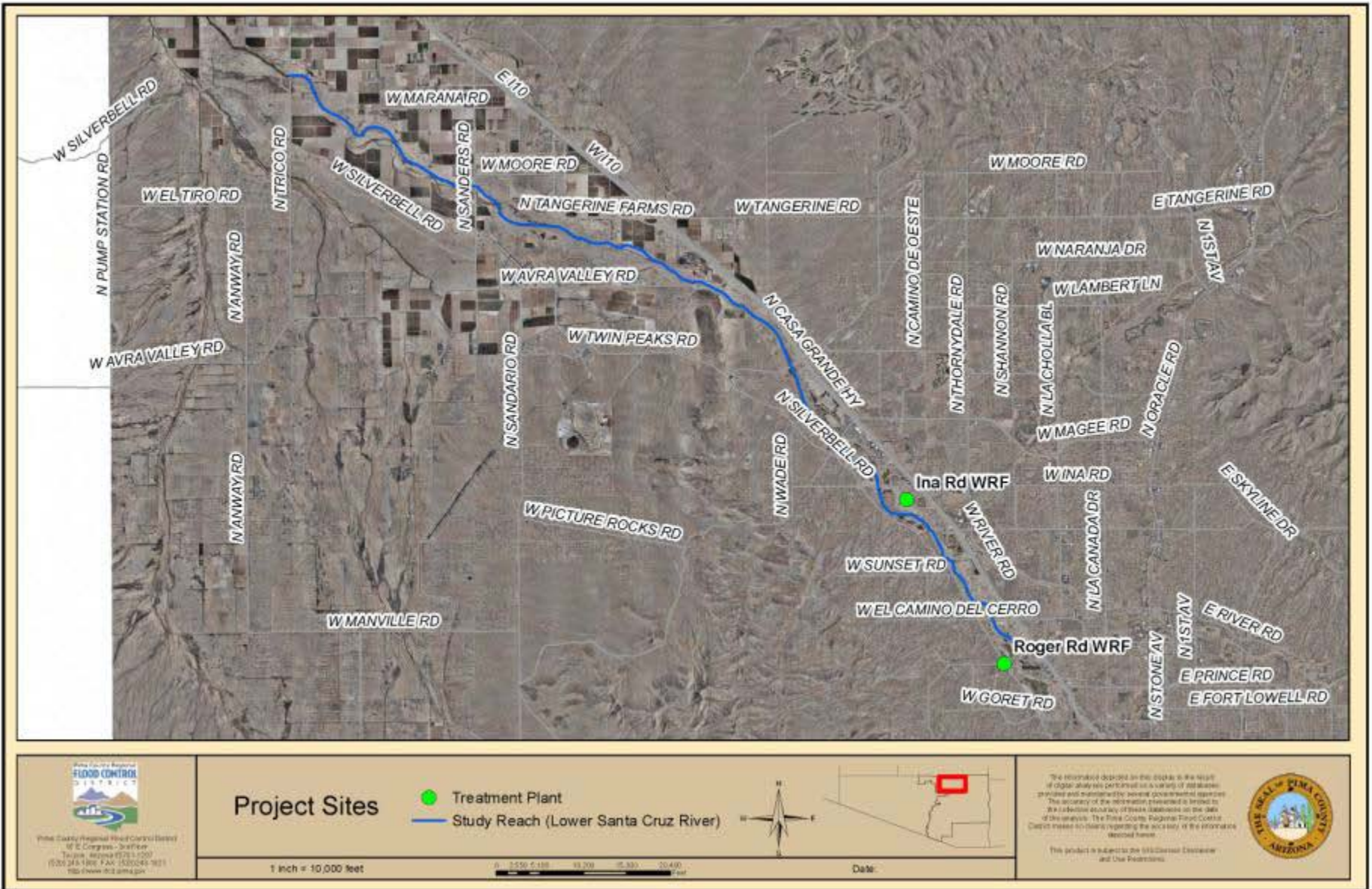
Regulatory:
Refine Existing
Riparian Program



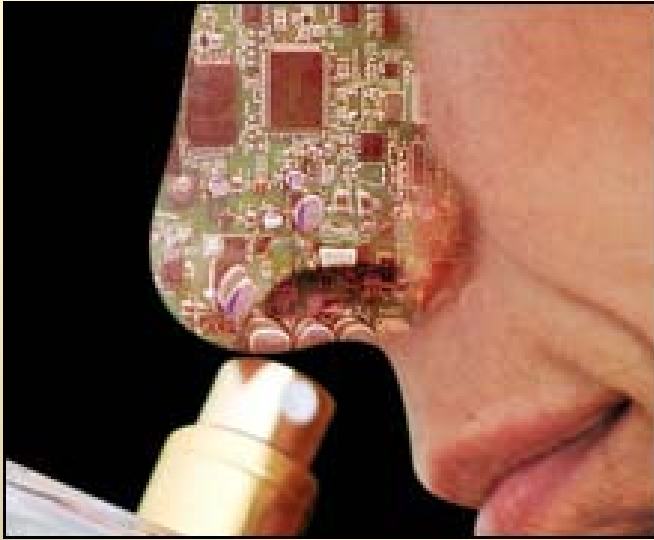
Planning:
Lower Santa Cruz
Management Plan



Lower Santa Cruz River Project Reach



Community Benefits

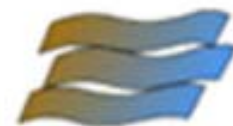




Project Team



**Office of Sustainability
and Conservation**



**Regional Wastewater
Reclamation Department**

Initial Project Partners

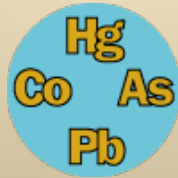


Technical Committee

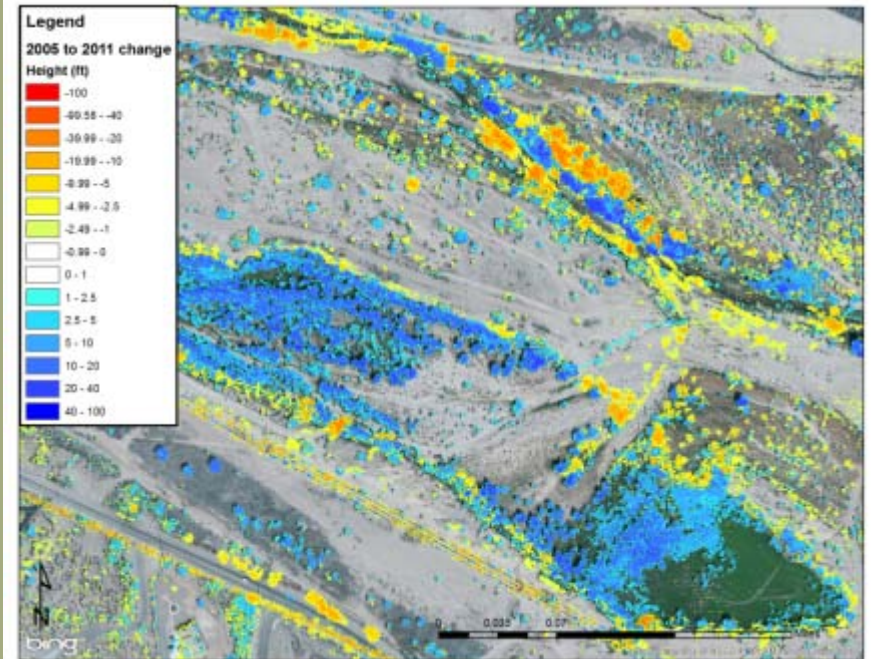
- **Akitsu Kimoto** – Regional Flood Control District
- **James DuBois** – Regional Wastewater Reclamation Dpt
- **Brian Powell** – Office of Conservation & Sustainability
- **Michael Liberti** - Tucson Water
- **Jennifer Duan** – Univ of Arizona
- **Juliet Stomberg** – Arizona State
- **Nathan Lehman** – Bureau of Reclamation
- **Patti Spindler** – AZ Dept of Environmental Quality
- **Kendall Kroesen** -Tucson Audubon
- **Claire Zucker** – Pima Assoc. of Governments
- **Robert Webb** – US Geological Survey
- **Jean McClain** – UA Water Resources Research Center
- **Linwood Smith** -Ecologist
- **Placido dos Santos** – Water resources expert

Technical Committee Role

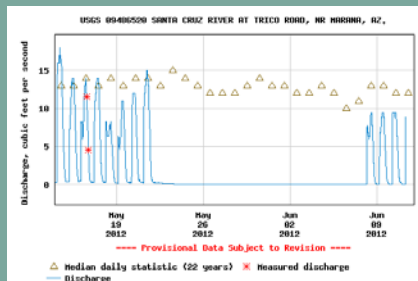
1. Select indicators of “wetland health.”
2. Assist in developing a monitoring strategy.
3. Evaluate indicators & suggest changes.



Pima County Data



Partner Data

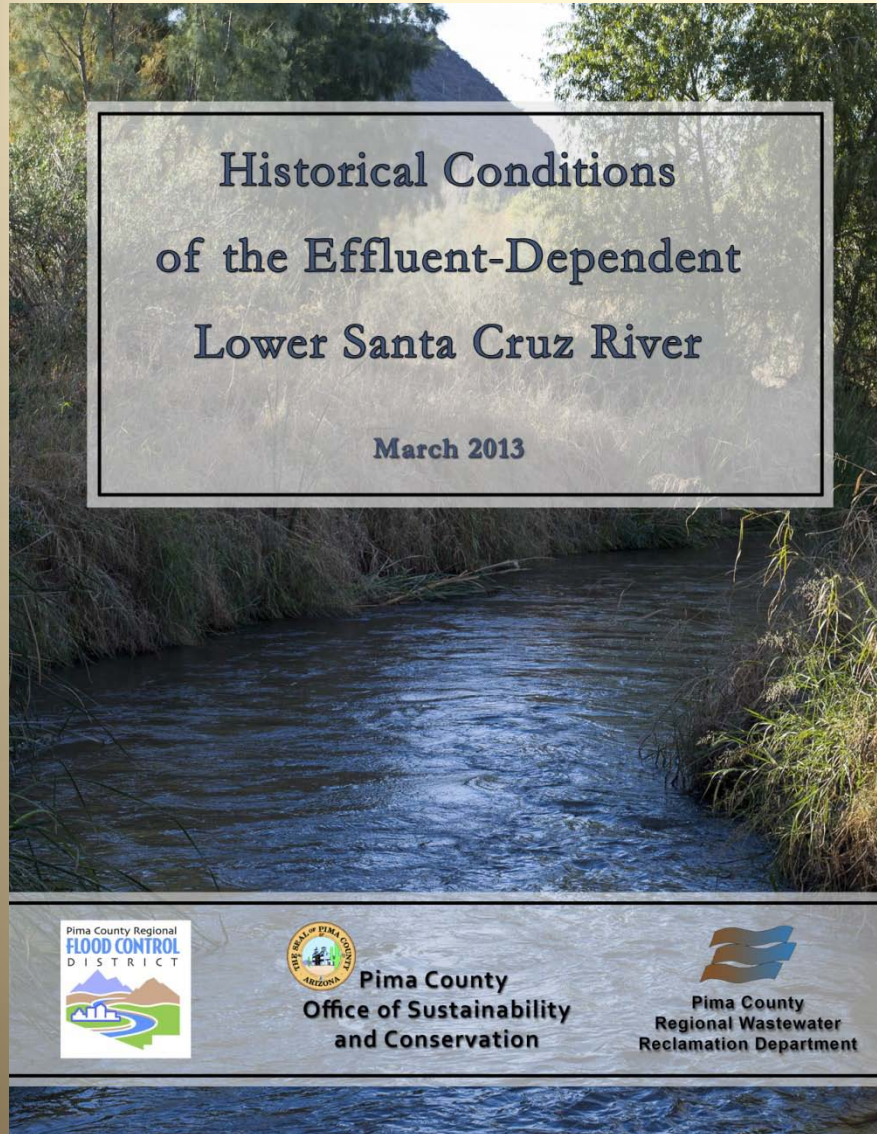


New Data Collection



Aquatic Consulting & Testing, Inc

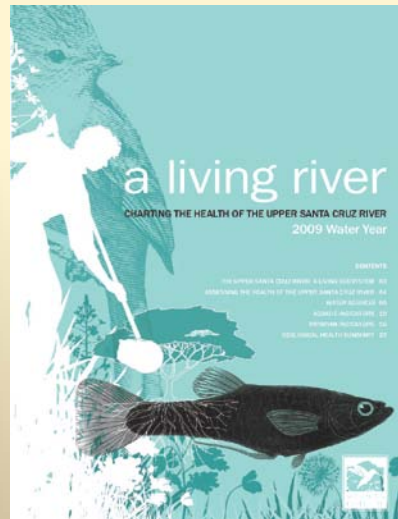
Historical Conditions Report



- Water & Infiltration
- Geomorphology
- Vegetation
- Water Quality
- Macroinvertebrates
- Expected changes due to WW Treatment Plant upgrade

Living River Annual Report

- Summarize changes to wetland conditions
- Outreach tool- River as amenity



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- Sonoran Institute is a 501c3 nonprofit
- Sign up for exclusive events, workshops, & tours: ebrott@sonoraninstitute.org
- Donations from individuals as well as public and private orgs support our work



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Thank You!