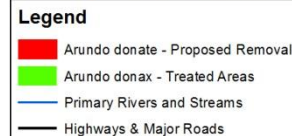
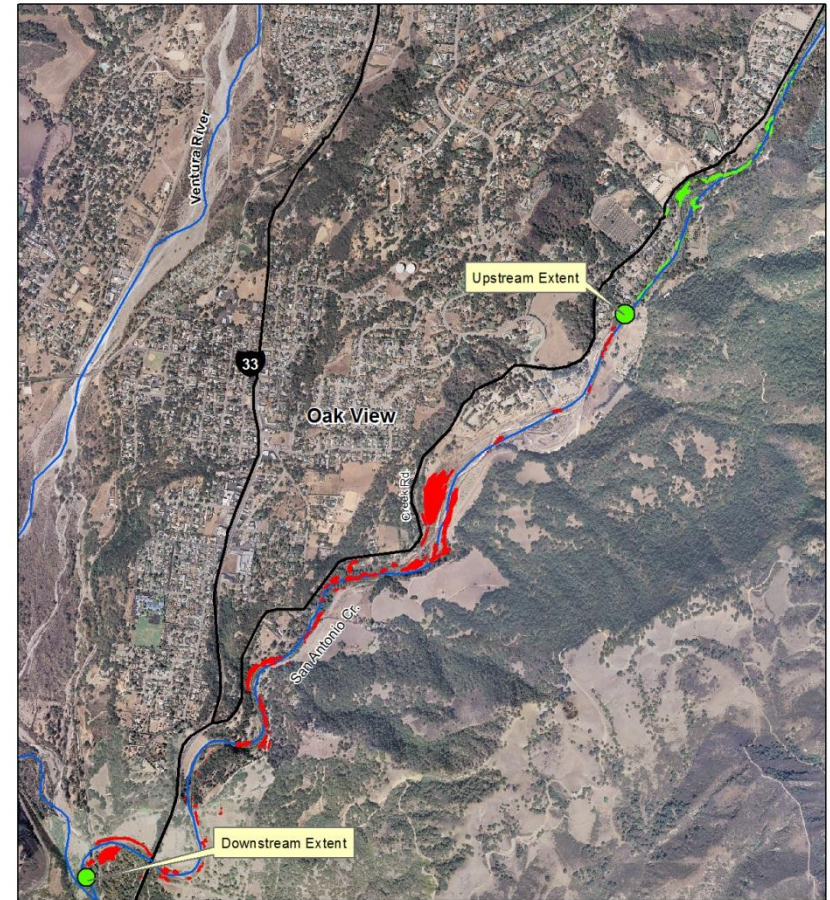


# San Antonio Creek Arundo Removal

## 320 Acre Feet of New Water Available Each Year for People and Fish

- Arundo is widespread throughout the San Antonio Creek basin. There are 16 acres of Arundo in SAC currently not funded, or in a current grant proposal, for removal.
- Research has shown that Arundo consumes up to 6 times the amount of water used by native riparian vegetation, and that for each acre of Arundo removed, 20 acre-feet of water can be saved each year (CalIPC 2011).
- DBS&A's Upper/Lower VR Basin Groundwater Budget report shows Arundo withdrawing more groundwater than the Ventura River County Water District.
- Removal will prevent the evapotranspiration of 320 acre-feet each year. Enough water to serve over 700 average households each year.
- More water for steelhead along approximately 2 miles of stream length.



**San Antonio Creek Arundo Removal  
IRWM Proposal**

0 0.25 0.5 1 Miles



# Drought Impacts in Project Area

- Local wells in the Ventura River at Foster Park dropped substantially during the drought. A prolonged drought could make the wells less reliable.
- As municipal wells in the watershed, such as those in Meiners Oaks, were shut down due to low water levels, demand increased on stored supplies in Lake Casitas. Prolonged drought may stress storage capacity.
- Steelhead redd counts in San Antonio Creek this past year were the lowest since recent monitoring began in 2010. The drought is stressing fish and limiting habitat.





# Project Benefits

- Transpiration water loss from Arundo is preventable, and the water can be re-purposed.
- An estimated 320 acre-feet of water can be gained for San Antonio Creek and the lower Ventura River.
- The added surface water will increase habitat extent and quality for steelhead, a locally endangered species.
- Potentially added surface water will partially mitigate recourse conflicts between fisheries and municipal water needs.
- The reduction of water loss will begin almost immediately with the initial stages of Arundo removal.



# Project Synergy

- Arundo removal is already underway upstream of the proposed project area, adding to the benefits of this proposed project. Arundo removal is also underway along the Ventura River.
- Removing Arundo and other invasive plants is an important action listed in the Southern California Steelhead Recovery Plan.
- Multiple agencies and organizations are participating in the enhancement of San Antonio Creek.
- Efforts are also underway on other invasive plants such as Himalayan blackberry and Mexican fan palms.
- Over \$1 Million has recently been raised for enhancement projects on San Antonio Creek

## San Antonio Creek Initiative Partners

- California Conservation Corps
- Ojai Green Coalition
- Ojai Valley Land Conservancy
- C.R.E.W
- Ventura County WPD
- Ventura County Parks & Rec



# This is Real Water

## San Antonio Creek Arundo Removal Project Highlights

**Stops a preventable loss of 320 AF of water each year**

**Benefits the local environment**

**Entirely feasible**

**Adds value to existing and planned projects**

**Includes creation of 10 acres of new native riparian habitat**

**Cost-effective: Provides 320 AF of water annually for only \$3,600/AF**