

Edible Fig (*Ficus Carica*) Eradication Project

Trabuco Ranger District, Cleveland National Forest

Trabuco and Holy Jim Canyons,
Orange County, CA

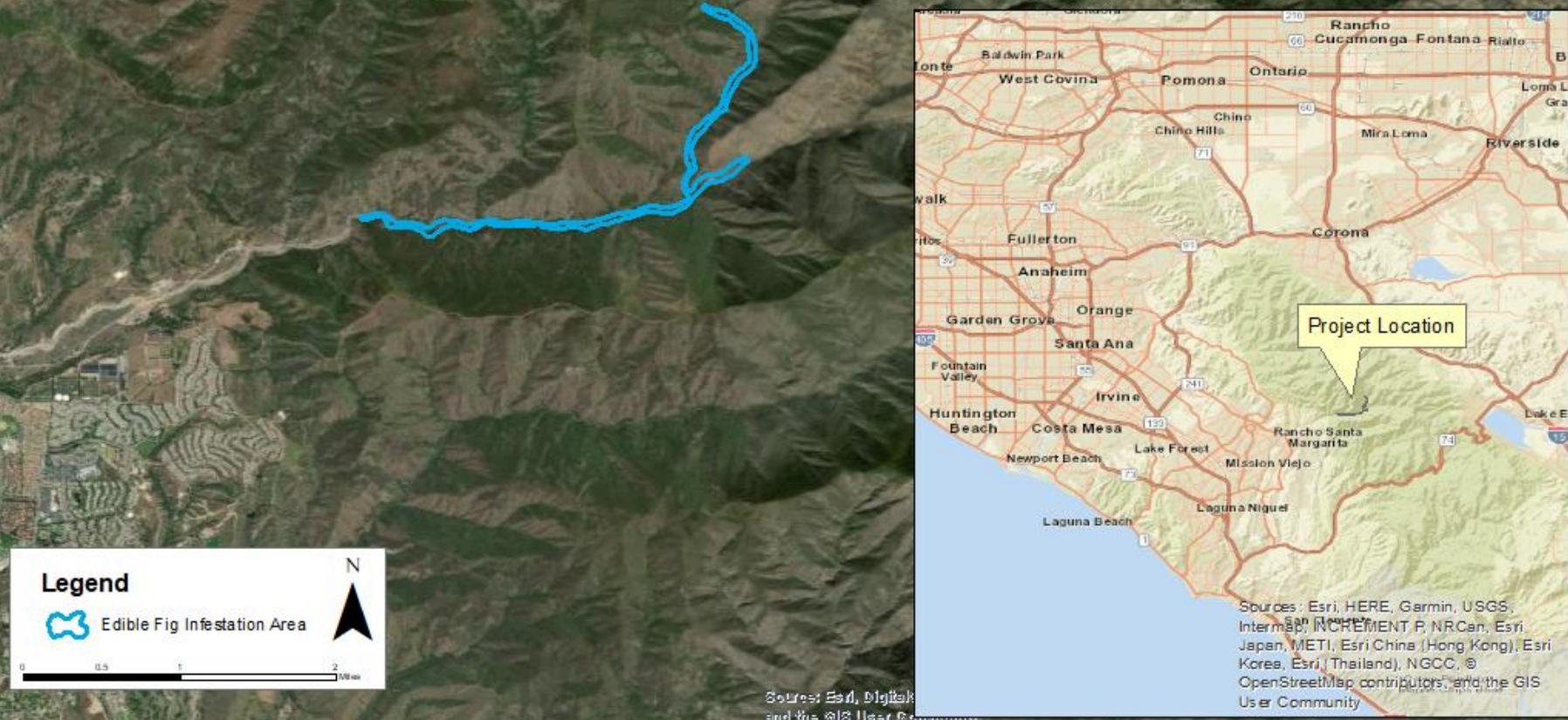
CLEVELAND
National Forest



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Specialist, Cleveland National Forest

Trabuco and Holy Jim Canyons

- West flowing drainages of the Santa Ana Mountains
- High use recreation area, with recreational use cabins on NFS lands
- Native Riparian Veg is Coast Live Oak, Sycamore Dominated
- Historically, Trabuco Creek was spawning habitat for Southern Steelhead Trout



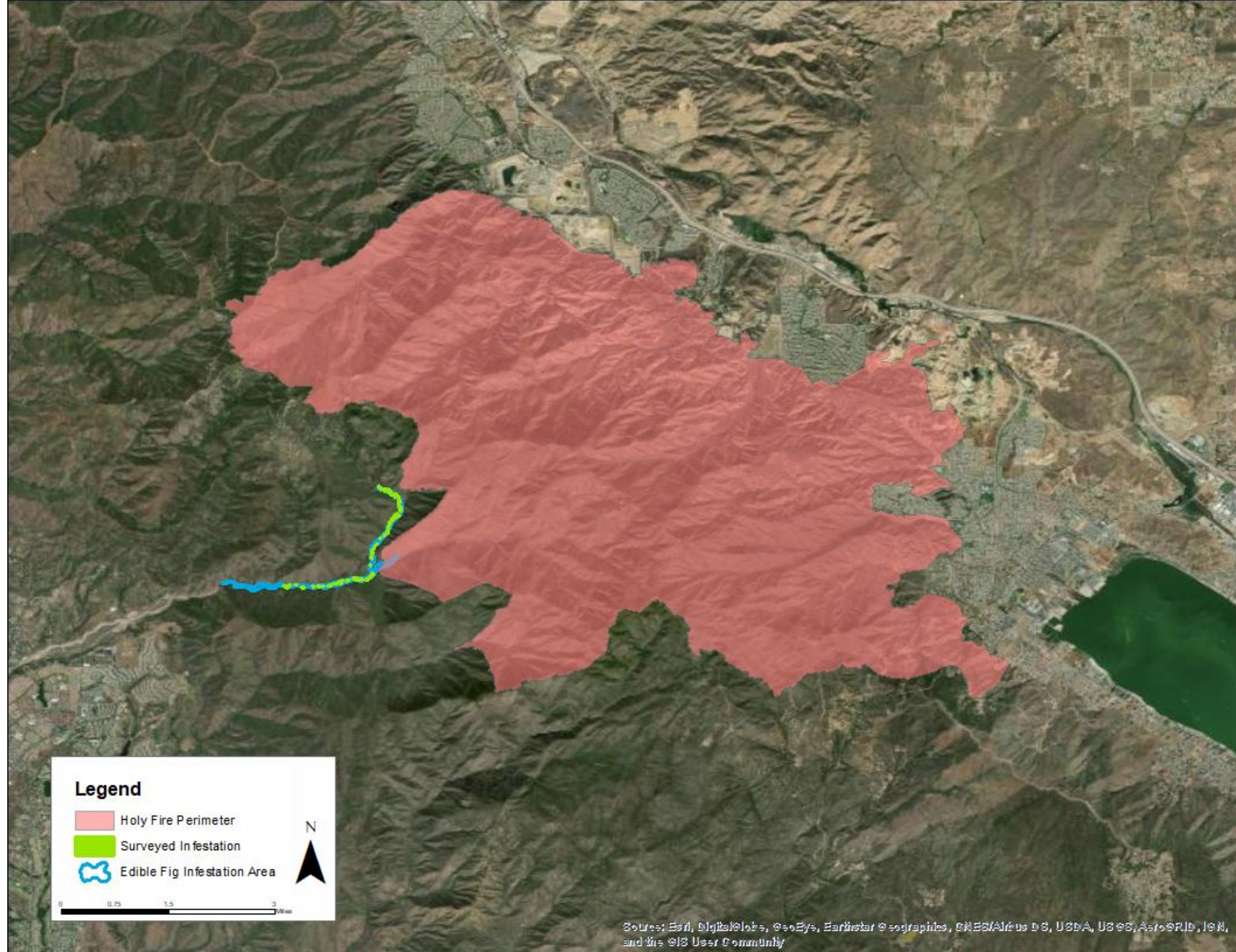
Edible Fig cover has approximately doubled in 10 years

Prop 84 Funding Request was to conduct trial treatments of fig to determine best methods for control and biomass removal.





Holy Fire – 2018. Burned watersheds above the project area.



Legend

- Holy Fire Perimeter
- Surveyed Infestation
- Edible Fig Infestation Area



0 0.75 1.5 3 Miles

Sources: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



Sept. 2018 – Crews working through thickets for basal bark application of Garlon 4 Ultra at 30% mix rate. Treated over 28 acres (with about 20% cover of fig)
Used 4 gallons of Garlon 4 – or about .15 gallons an acre.



Smaller test area for cut stump treatments – both garlon and imazapyr

Wood chipper had no problem with green material and amount of chips produced was acceptable for the site.





TRABUCO CANYON, CA

FARMER KELLY



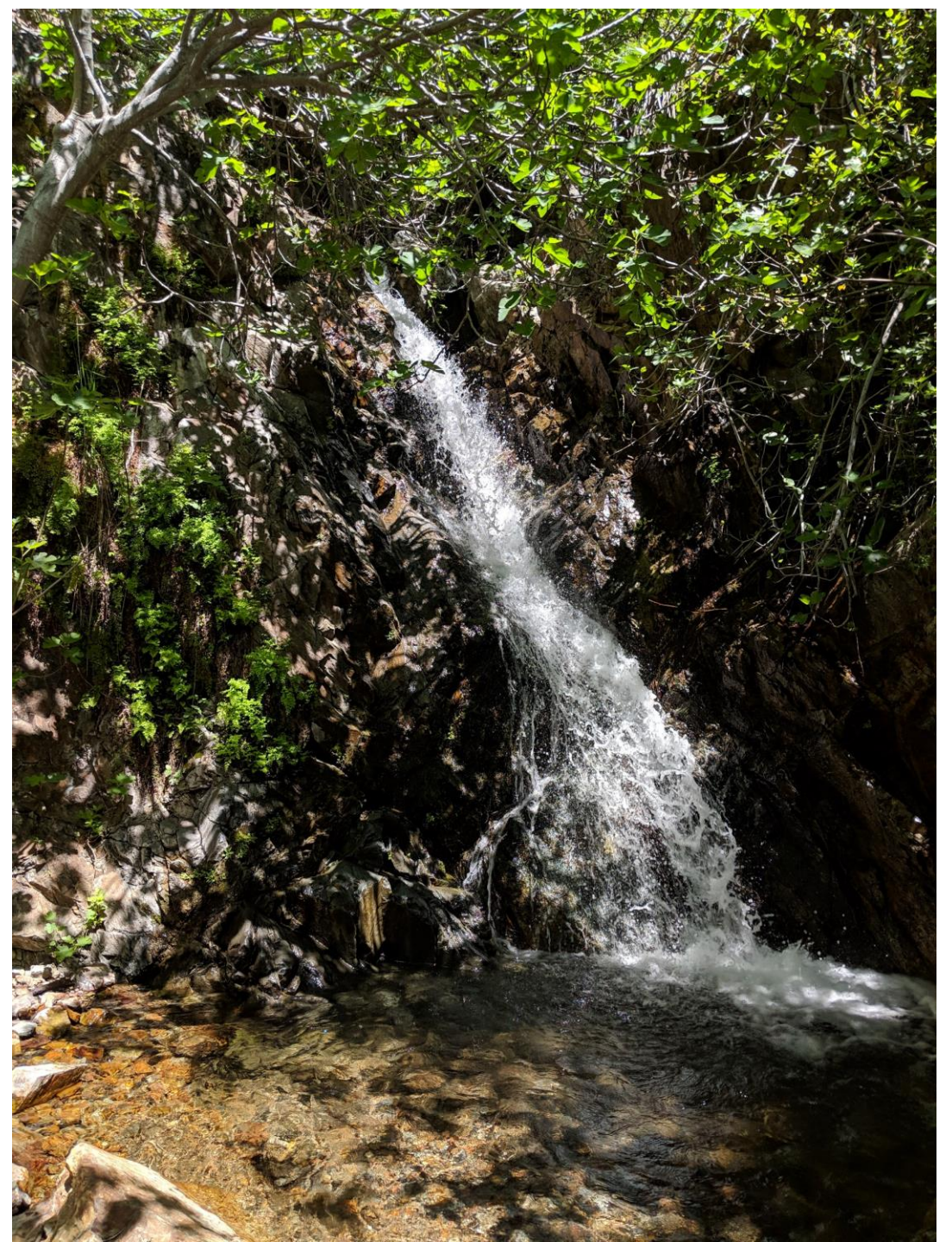


Flooding opened up large areas of riparian and scoured many fig patches;
In spring after floods, untreated fig was rapidly sprouting and sending suckers into newly daylighted areas

Conclusions:

- Basal bark applications of Garlon were very effective (Approximately 80% mortality)
 - Need to spray every major stem, which is very difficult and requires saws to carve path into thickets.
- Cut stump appeared to be effective, but we cant draw conclusions due to effects of flooding
- Chipping is a viable way to remove biomass where there is road access.

Recommendations to others – if you have fig now in your streams – DO NOT WAIT TO TREAT!!



Special thanks to our Funders:

State of California Prop 84



National Forest Foundation with a donation from **Boeing International**



Very special thanks to the hard work of our contract crews and personnel from:



Wildscape Restoration
Ventura, CA



ACS Habitat Management
Oceanside, CA