



Shasta-Trinity National Forest Reclamation Synopsis October 26-30, 2015

Project Name: *Science with Solutions: Documentation, remediation and monitoring of the ecological impacts of marijuana cultivation on endangered species within California's Public and Tribal Lands*

Reclamation Organizers: Dr. Mourad Gabriel and Dr. Greta Wengert (Integral Ecology Research Center, IERC); Warden Brendan Lynch (CDFW-LED), Josh Smith (The Watershed Center), Donna Rupp (Trinity County Resource Conservation District)

Organizations Involved:

Governmental: California Department of Fish and Wildlife (Law Enforcement Division & Wildlife Investigations Laboratory), United States Forest Service Law Enforcement and Investigations, California National Guard, Trinity County Resource Conservation District, Hoopa Tribal Forestry

Non-Governmental: Integral Ecology Research Center, The Watershed Center

Support: Logistical and financial support was contributed by the above-mentioned entities. Funding for the scientific documentation and reclamation of trespass marijuana sites was provided through a Section 6 grant from the US Fish and Wildlife Service to the California Department of Fish and Wildlife and Integral Ecology Research Center and a Cal-Recycle grant to the Trinity County Resource Conservation District and The Watershed Center

Number of trespass sites cleaned: 7

Location of sites: Shasta-Trinity National Forest, Trinity County

Personnel per day: 18 (8 Law Enforcement; 4 Scientist, 6 Reclamation)

Watershed impacted: Tributaries to the South Fork Trinity River

Estimated daily water usage across four sites: 292,992 gallons per day

Estimated water usage per season (150 day season): 39.4 million gallons

Minimum amount of fertilizer used at sites: 8,012 pounds

Minimum amount of rodenticide used at sites: 51 pounds, 11ounces

Unknown pesticide, presumed Carbofuran: 32 ounces

Garbage/infrastructure removed: 24,395 pounds or 12.2 tons (69.7 cubic yards)

Irrigation line removed: 25.96 miles or 137,040ft

IERC is collecting the following data at each site in conjunction with their USFWS/ CDFW-funded Section 6 grant: water quality, soil contamination, and wildlife use.



Shasta-Trinity National Forest

Figures (from left to right): One of over 15 camps with trash and toxicants strewn about. The same camp after extensive effort from law enforcement, National Guard, scientists and reclamation teams



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Figures (from left to right): One of several cultivation plots riddled with irrigation pipe, fertilizer, trash and toxicants that extend all the way to the stream channel. A large campsite with large amounts of trash and materials.



Figures (from left to right): One of several plots using sprinkler irrigation to maintain a trespass marijuana cultivation plot within Shasta-Trinity National Forest. The amount of line to maintain one cultivation plot.



Figures (from left to right): One of numerous trailer loads of trash and irrigation pipe removed from trespass marijuana cultivation sites within Shasta-Trinity National Forest.

