

Region 8, Fish and Wildlife Service Activities Looking at Effects from Toxicants to Fisher, Humboldt Marten, Northern Spotted Owl, Barred Owl, and Other Species

January 12, 2017

Funding

YFWO Funded Projects

Does not include the 35,000 from science apps funding to support the MJ grow site modeling project to better predict the location of grow sites on public land.

Fisher Reintroduction Disease Screening and Necropsy March 2010

Necropsy and predation forensic suite

Full necropsy and available forensics methods will be used on all fisher mortalities in order to determine assumptive and definitive causes of death. Funds in the amount of \$8,000.00

Causes of Fisher Mortality and Morbidity Studies September 2011

Pathogen and Toxicant Screening

Conduct investigations for potential fitness-limiting pathogens and toxicants from fishers identified by the YFWO as in need of screening. Funds in the amount of \$12,350.00

Illegal marijuana cultivation impacts on prey and carnivore community dynamics in fisher, Humboldt marten, and Northern Spotted Owl Habitat July 2016

The goal is to quantify the combined effects of prey depletion and toxicant contamination from trespass marijuana grow sites on the density, species ratios, and activity of fishers, martens, owls and their main predators in public land forests. Funds in the amount of \$59,856.00

Impacts of marijuana cultivation on aquatic resources with an emphasis on anadromous fish phase 2 YEAR

Summary

\$76,722.80

Commented [GG1]: I think there is an additional 25K that went to HSU for aquatic and amphibious species?? It is mentioned in the LaMalfa letter.

Section 6 Funded Projects

2013. Science with solutions: documentation, remediation and monitoring of the ecological impacts of marijuana cultivation on endangered species. \$503,858.00

2016. Illegal marijuana cultivation impacts on prey and carnivore community dynamics in fisher and spotted owl habitat. 299,475.00

Law Enforcement

In fiscal year 2016, \$230,000 spent on marijuana-related law enforcement issues (eradication and enforcement). This was 10% of the Region's law enforcement budget that year.

Private Timber Companies

Sierra Pacific Industries (SPI)

Conservation Measure in the SPI fisher CCAA and also in the draft spotted owl HCPs that requires SPI to actively try to prevent and identify any illegal grows sites. Areas are gated, patrols occur and all field personnel are vigilant for potential trespass grows. If they are discovered, law enforcement is notified and SPI has agreed to clean up the sites. SPI reports (annually) about the number of sites encountered and any remediation actions taken. As part of their proposed BDOW removal permit, any owls collected will be assayed for toxicant exposure.

National Wildlife Refuges

Illegal marijuana cultivation operations in Kern, Merced, Sacramento, Stanislaus, and San Joaquin counties. Partner with other Federal, State, and local enforcement agencies when necessary.