February 12, 2016

Quail & Upland Wildlife Federation
Santa Clarita Valley Chapter – FC14

P.O. Box 802738, Santa Clarita, Ca 91380-2738
Office: (661) 297-0876 - Fax: (661) 297-0876 - Cell: (661) 733-1740

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EIN 27-1674044 - IRS 501(c)(3) Non-Profit Corp. 509337006

Final Report for Guzzler Rehabilitation Operations - USFS Whitaker Peak #1 (replacement)
Original Project #6 - DFW #3 - Drinkwater Flats Area, GPS N 34 deg 30.092', W 118 deg 31.047
Grant Agreement Number #P1480018

Guzzler: USFS Whitaker Peak #1

Location: Whitaker Peak - Angeles National Forest - Santa Clara District
Long. -118°42'40.79"W / Lat. 34°34'35.33"N

Assessment of Benefit to Wildlife

Located off Templin Hwy West of Interstate 5 fwy, this area is located 5 miles South of Piru Creek / Frenchman's Flats / Pyramid Lake & 5 mile North of Castaic Lake. A series of guzzlers would be the only water for wildlife on the Westside of Interstate 5 and would fall in between Pyramid & Castaic Lakes. This area is known to have a population of Deer, Bear, Coyote, Rabbit, Fox, Bobcat, Mountain Lion, California Quail, Mourning Doves and numerous song birds.

Recommended Installation:

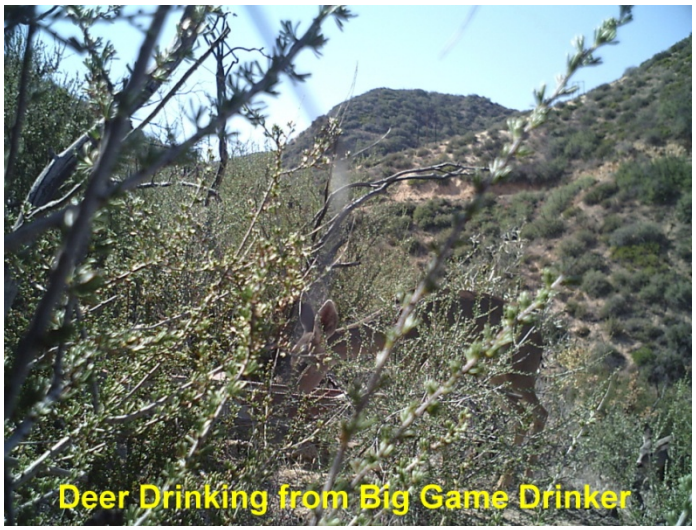
USFS Forest biologist approve the installation of 3 guzzlers and restoration of 1 subterranean wildlife water drinker (not to exceed 1000 gallons each) on Whitaker Peak West - Angeles National Forest near Pyramid Lake. These wildlife drinkers separated by 1/4 mile apart will supply water for wildlife over 2560 acres or 1/2 square mile.
The tank will be made of either Fiberglass or Concrete, not to exceed 1000 gallon capacity. Collection apron will be constructed of either Fiberglass, Metal or Concrete, built either on the ground or above ground, not to exceed 250 square feet. Approval of Big Game Drinker (not to exceed 50 gallons) maybe installed and to be constructed of either Fiberglass, ABS Plastic or Galvanized Steel.

Wildlife Habitat Project Performed:

Due to the lost of Project #6 - DFW #3 Drinkwater Flats Area, USFS Wildlife Biologist Pete Johnston had several backup projects in the area and had already gone through the approval process. The Whitaker Peak #1 guzzler location was one of four locations located in the Angeles National Forests - Santa Clara River District not located in the San Gabriel National Monument - Angeles National Forest. This "Nevada Style" guzzler was approved with a minimal footprint allowed. A 800 gallon Fiberglass Coffin Style tank, 100 square foot elevated steel collection apron and a 25 gallon galvanized steel Big Game Drinker was installed. At the conclusion of the install intuitive signage and motion activated game cameras were installed.

HABITAT AREA
UPLAND
WILDLIFE
COOPERATOR
www.quwf.net

Game Camera Pictures:



SCVQUWF's success to date for this Project is the physical restoration of guzzler unit U. Guzzler unit USFS Whitaker Peak #1 was rehabilitated on 2/12/2016 and once again holds water available for immediate use by a wide variety of native wildlife species, both game and non-game. USFS Whitaker Peak #1 situated in a very arid region of ANF public lands which continues to experience extended drought conditions. Although It is too soon to evaluate the specific impact this watering unit has had on local wildlife and which species it may benefit, SCVQUWF's Habitat Restoration volunteer members are committed to long term monitoring of all of the guzzler units we have restored to date, including this one. One of our members, Joe Cota, is a local professional geologist who has assisted in locating many of the old guzzlers and has assisted in determining which of these units are most important to rehabilitate based on location of the unit, proximity to known natural water sources, and habitat. He has conducted groundwater reconnaissance surveys in the vicinity of most of the units we have restored. It is Mr. Cota's opinion that these man-made water resources will become increasingly important over time for the survival of many game and non-game animals. As climate change continues, the average precipitation in the region will decrease. Many of the natural springs and streams in the area which have historically been relied upon by wildlife will continue to diminish over the next several decades and could possibly dry up entirely. Therefore, restoration of each of these units is a success in itself. In the coming year, SCVQUWF's volunteers will be installing game cams and monitoring of certain guzzler units. This wildlife monitoring work is in progress. At present we are trying to locate a Brood Count instructional video that had been prepared by the now defunct Quail Unlimited in the 1970's or 1980's so that our members can be properly trained. We also understand that USGS wildlife biologists are developing a systematic methodology for wildlife monitoring which we will be researching. In summary, the measurable environmental success of this project to date is the re-establishment of a former man-made water resource that we believe will become increasingly important over time. SCVQUWF will continue to monitor USFS Whitaker Peak #1 to ensure it is still holding clear, fresh water. We will continue to research effective methodology for brood count and wildlife monitoring in an effort to quantitatively evaluate the positive impacts restoration of the guzzler has had on native species.

Cost: Final cost for materials:

1) Coffin Style Wildlife Water Drinker (tank & lid with manhole cover) 800 gallons		$ 1700.00
2) Unistrut Channels & Hardware		$ 450.00
3) Galvanized Steel Decking Roof Apron @ $ 32.70 a sheet (takes 6 sheets)		$ 196.20
4) Misc. Hardware & Materials		$ 375.00
5) Galvanized Steel Big Game Drinker Box		$ 450.00
6) CUDDEBACK TRAIL CAMERA MODEL E2		$ 300.00
7) Informative Signage		$ 75.00
	Total	**$ 3546.20**

In Kind Value:

1) Man Hours 940 hours @ $ 27.59	$25934.60
2) Mileage 6340 miles @ .575	$ 3645.50

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Santa Clarita Valley Chapter
PO Box 802738
Santa Clarita, Ca 91380
661-733-1740

Invoice

Date	Invoice #
2/29/2016	509

Bill To
California Dept Fish & Wildlife 1812 Ninth Street Sacramento, Ca 95811

Account #	P.O. No.	Terms
P1480018	Whitaker Peak #1	

Quantity	Description	Rate	Amount
1	Coffin Style Fiberglass Tank w/Lid (800 gallon type)	1,700.00	1,700.00
1	UniStrut Bars with Hardware	450.00	450.00
6	Corrugated Steel Siding for Roof	32.70	196.20
1	Misc. Hardware & Materials	375.00	375.00
1	Galvanized Steel Big Game Drinker Box	450.00	450.00
1	Cuddeback Trail Camera Model E2	300.00	300.00
1	Informative Signage	75.00	75.00
		Total	$3,546.20