



January 28, 2016

## Quail & Upland Wildlife Federation Santa Clarita Valley Chapter – FC14

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

### Final Report for Guzzler Rehabilitation Operations - DFW #34 / USFS 2-26 (replacement)

**Original Project #2 - DFW #27 - Lower Texas Canyon Road, approx 0.9 miles up from 2<sup>nd</sup> locked gate**

**Lon. -118.43016; lat 35.50535, SW ¼ of the NW ¼ Section 23, T.5N, R 14 W (SBB&M)**

**Grant Agreement Number #P1480018**

**Guzzler:** DFW #34 - USFS #2-26

**Location:** Lower Mint Canyon

Long. - 118°19'56.21"W / Lat 34°31'41.99"N

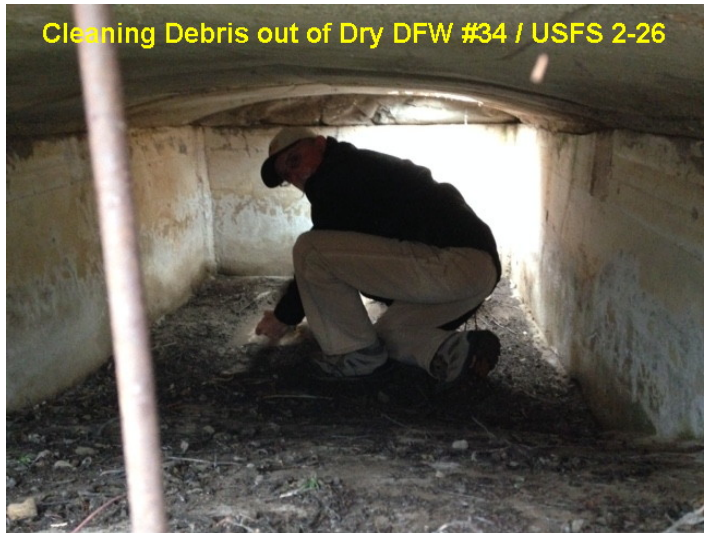


### Assessment of Benefit to Wildlife

This guzzler was originally installed in the late 1960's by the Dept of Fish & Game. The last known report written about this guzzler was on March 1970, in which they state this guzzler had many cracks in apron and needed to be repaired. Moderate wildlife usage, but it was recently observed to have many mating pair of California Quail & Mourning Doves in the area. With this guzzler restored, this wildlife water guzzler will be the only wildlife water source for 1280 acres.



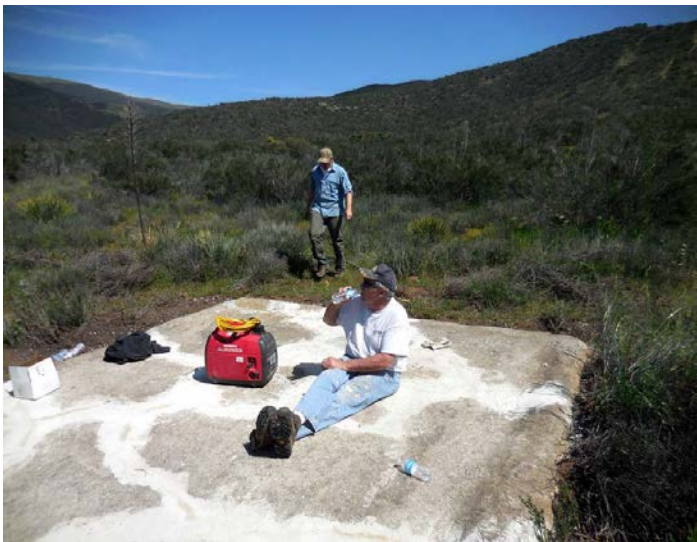
**Restoration Repairs Performed:** Due to USFS restrictions on excavating, expanding area footprint and elevation, it was decided not to install the Galvanized Steel Big Game Drinker Box. Restoration to Tank & Apron were performed as described.











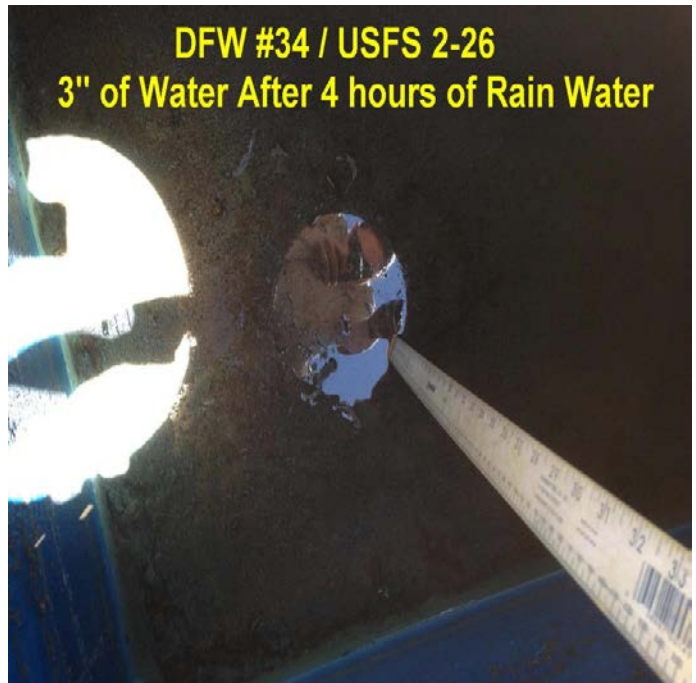


### Problems Encountered:

Once again, due USFS & the Tataviam Indian Nation, no Big Game Drinker was installed at this guzzler. Another challenge was that the forest service road that leads to the guzzlers in the area was illegally blocked by a local resident. The resident blocked the road by piling mounds of dirt in the roadway in various locations. Volunteers had to physically remove the dirt and brush that block this road by hand. During the period that we repairing this guzzler, we had many chances to capture rain water or threat of rain during repairs. In one such incident, we had just applied the Blue Max Liquid Rubber and Granulated External coating and before it cured it rained. Not only did we have start over and redo the Blue Max and the Dark Granulated coatings, but we also had to pump out over 150 gallons of rain water and dump it out.







SCVQUWF's success to date for this Project is the physical restoration of guzzler unit DFW#34 / USFS 2-26. Guzzler unit DFW#34 / USFS 2-26 was rehabilitated on 12/28/2015 and once again holds water available for immediate use by a wide variety of native wildlife species, both game and non-game. DFW#34 / USFS 2-26 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 DFW#34 / USFS 2-26 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) Ames Research Super Primer (10 gallons) x 2 @ \$ 179.99 each	\$ 359.98
2) Ames Research Blue Max Liquid Rubber (10 gal) x 2 @ \$ 179.99	\$ 359.98
3) Ames Research SafeT Deck Smooth - Tan (10 gal) x 2 @ \$ 179.99	\$ 359.98
4) Ames Research Safe T Deck Granulated - Dark Brown (10 gal) x 2 @ \$ 179.99	\$ 359.98
5) Trowels, Rollers and Misc supplies	\$ 250.00
6) QuickCrete 50 square ft (15 - 60lbs bags) @ \$ 3.00 per bag	\$ 45.00
7) CUDDEBACK TRAIL CAMERA MODEL E2	\$ 300.00
8) Informative Signage	\$ 75.00

**Total \$ 2109.92**

**In Kind Value:**

1) Man Hours 545 hours @ \$ 27.59	\$ 15036.55
2) Mileage 3970 miles @ .575	\$ 2282.75

# Invoice

Date	Invoice #
2/15/2016	508

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

Account #	P.O. No.	Terms
P1480018	DFW 34 / USFS 2-26	

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