



September 12, 2015

Quail & Upland Wildlife Federation Santa Clarita Valley Chapter – FC14

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"A 501C3 National Not For Profit, Non-Government Organization (NGO)"
EIN 27-1674044 - IRS 501(c)(3) Non-Profit Corp. 509337006

Final Report for Guzzler Rehabilitation Operations - DFW #30 / USFS 2-21 Grant Agreement Number #P1480018

Guzzler: DFW #30 - USFS #2-21

Location: NW of Rowher Flats Off-Road staging area
Long. 118°22'57.41"W / Lat. 34°31'40.01"N
SE ¼ of the SW ¼ Section 8, T.5N, R. 14W (SBB&M)



Assessment of Benefit to Wildlife

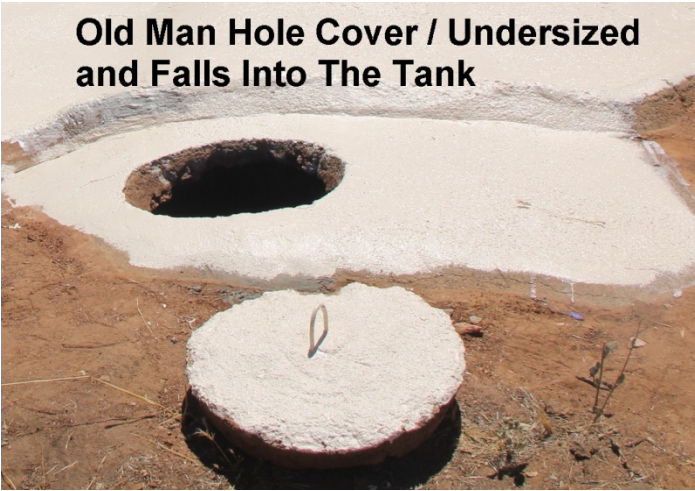
This guzzler was originally installed in the late 1960's by the Dept of Fish & Game. This guzzler has been ravaged over time by weather and range fires. The last know report written about this guzzler was on January 11, 1972, in which they state this guzzler needs a new manhole cover, fencing and repair cracks With this guzzler restored, this wildlife water guzzler will be the only wildlife water source for 640 acres.

Restoration Repairs Performed:

Due to USFS restrictions on excavating and expanding area footprint, it was decided not to install the Galvanized Steel Big Game Drinker Box. Restoration to Tank & Apron were performed as described, including filling tank with 400 gallons of water, removing predator bars and new man hole cover.



Old Man Hole Cover / Undersized and Falls Into The Tank



New Man Hole Cover



Problems Encountered:

1) Expansion excavation, Installation of Big Game Drinker and Fencing was not approve with USFS and Tataviam Indian Tribe, so project was minimized.

DFW #30 - USFS 2-21 / Sealer & 1st Epoxy Coat Applied



DFW # 30 - USFS 2-21 / Applying Dark Epoxy Coat



DFW #30 - USFS 2-21 / Blue Max Liner Applied



DFW #30 - USFS 2-21 / 400 Gallons of Water Filled



SCVQUWF's success to date for this Project is the physical restoration of guzzler unit DFW#30 / USFS 2-21. Guzzler unit DFW#30 / USFS 2-21 was rehabilitated on 9/12/2015 and once again holds water available for immediate use by a wide variety of native wildlife species, both game and non-game. DFW#30 / USFS 2-21 is 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#30 / USFS 2-21 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 (38 - 60lbs bags) @ \$ 3.00 per bag	\$ 114.00
8) CUDEBACK TRAIL CAMERA MODEL E2	\$ 300.00
10) Informative Signage	\$ 75.00
11) Water Delivery 200 gallons x 2	\$ 450.00
Total \$ 2628.92	

In Kind Value:

1) Man Hours 385 hours @ \$ 27.59	\$ 10622.15
2) Mileage 1860 miles @ .575	\$ 1069.50

Quail & Upland Wildlife Federation



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

Invoice

Date	Invoice #
9/14/2015	503

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

Account #	P.O. No.	Terms
P1480018	DFW#30 / 2-21	

Quantity	Description	Rate	Amount
2	Ames Research Super Primer (5 gallons each)	179.99	359.98
2	Ames Research Blue Max Liquid Rubber (5 gallons each)	179.99	359.98
2	Ames Research SafeTDeck Smooth (5 gallons each)	179.99	359.98
2	Ames Research SafeTDeck Granulated (5 gallons each)	179.99	359.98
1	Trowels, Rollers and Misc Supplies	250.00	250.00
38	Quickcrete 60lbs Bags	3.00	114.00
1	Cuddeback Trail Camera Model E2	300.00	300.00
1	Informative Signage	75.00	75.00
2	Water Delivery	225.00	450.00
		Total	\$2,628.92