



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 #32 / USFS 2-25 Grant Agreement Number #P1480018

Guzzler: DFW #32 - USFS #2-25

Location: Rowher Flats above Whiskey Springs Canyon
NE ¼ of the NW ¼ Section 17, T.5N, R 14 W (SBB&M)
Long. 118°22'16.49"W / Lat. 34°31'27.27"N



Assessment of Benefit to Wildlife

This guzzler was originally installed in the 1960's by the Issac Walton League. The last report written about this guzzler was in April 1968, in which they state this guzzler was destroyed. Now restored, this wildlife water guzzler is the only source of water for Small & Large animals and a variety of birds for one square mile.

Restoration Repairs Performed:

Due to USFS restrictions on excavating and expanding area footprint, it was decided to Remove, Repair and Replace the original Fiberglass Tank, Rebuild & Reinforce Tank Lid, Repair the existing concrete apron, Contract Water carrier to fill tank, install Game Cameras and conduct wildlife surveys.



Problems Encountered:

1) Due to the fact that this Guzzler was located in the Federal Off Road Park - Rowher Flats, Angeles National Forests and in a historical grounds of the Tataviam Indian Tribe, we were not able to "upgrade" this facility, but only allowed to restore to original format and footprint.

2) When filling the completed project with water, we encountered a problem where the concrete apron meets the fiberglass tank. The water began to erode the 50 year old concrete and began to flow under the fiberglass tank. The tank began to float and broke away from its original footing. The tank rose 6" above the apron and was unserviceable in its present condition.



Problems Resolved:

At a later date volunteers returned to remove the fiberglass lid, drain the tank, remove the tank, excavate the debris from below the tank, reset tank into hole and refill with water.





SCVQUWF's success to date for this Project is the physical restoration of guzzler unit DFW#32 / USFS 2-25. Guzzler unit DFW#32 / USFS 2-25 was rehabilitated on 7/16/2015 and once again holds water available for immediate use by a wide variety of native wildlife species, both game and non-game. DFW#32 / USFS 2-25 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#32 / USFS 2-25 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.

Additional Repairs Performed:

1) After some needed El Nino rainfall this Guzzler had collected an appreciable amount of water. The water quality was only deemed adequate, due to the muddy clarity. The muddy condition was due to the high volume of rainfall, the inadequate size of the apron and height of retaining berm.



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
7) Concrete Block 6 x16 - 54 @ 1.36 each	\$ 73.50
8) Rebar27 pcs @ \$ 1.50ea	\$ 40.50
9) Metal Flashing, Concrete Screws, Henrys Flashing Sealant	\$ 48.00
10) Fiberglass Repair to Tank Ramp (Material & Labor)	\$ 300.00
11) Fiberglass Repair to Tank Lid (Material & Labor)	\$ 300.00
12) Wooden Framework for Tank Lid (Material & Labor)	\$ 200.00
13) Water Delivery - Initial 200 gallons	\$ 300.00
14) CUDDEBACK TRAIL CAMERA MODEL 1194	\$ 300.00
15) Informative Signage	\$ 75.00
Total	\$ 3440.92

In Kind Value:

1) Man Hours 580 hours @ \$ 27.59	\$ 16002.20
2) Mileage 3940 miles @ .575	\$ 2265.50

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

Invoice

Date	Invoice #
7/6/2015	501

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

Account #	P.O. No.	Terms
P1480018	DFW#32 / 2-25	

Quantity	Description	Rate	Amount
2	Ames Research Super Primer (5 gallon each)	179.99	359.98
2	Ames Research Blue Max Liquid Rubber (5 gallon ea)	179.99	359.98
2	Ames Research SafeTDeck Smooth (5 gallon each)	179.99	359.98
2	Ames Research SafeTDeck Granulated (5 gallon ea)	179.99	359.98
1	Trowels, Rollers and Misc Supplies	250.00	250.00
38	Quickcrete 60lbs bags	3.00	114.00
54	Concrete Block 6x16	1.36111	73.50
27	Rebar 24"	1.50	40.50
1	Flashing, Screws, Sealant	48.00	48.00
1	Fiberglass Repair - Tank Ramp (materials & labor)	300.00	300.00
1	Fiberglass Repair - Tank Lid (materials & labor)	300.00	300.00
1	Wooden Framework - Tank Lid (materials & labor)	200.00	200.00
1	Water Delivery - Initial 200 gallons	300.00	300.00
1	Cuddeback Trail Camera Model E2	300.00	300.00
1	Informative Signage	75.00	75.00
		Total	\$3,440.92