



Water-Data Report 2011

**08164503 West Mustang Creek near Ganado, TX**

Lavaca Basin  
Navidad Subbasin

LOCATION.--Lat 29°04'18.69", long 96°28'04.90" referenced to North American Datum of 1983, Jackson County, TX, Hydrologic Unit 12100102, on right bank at upstream end of southbound U.S. Highway 59 bridge, 2.1 mi upstream from Middle Mustang Creek, and 3.6 mi east of Ganado.

DRAINAGE AREA.--178 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Oct. 1977 to current year.

GAGE.--Water-stage recorder. Datum of gage is 40.12 ft above NGVD of 1929. Satellite telemeter at station.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Much of low flow during the irrigation season (Apr. to Sept.) is drainage from rice fields irrigated by water originally diverted from the Colorado River. No known regulation or diversions. No flow at times. Some records listed in the "Period of Record" for surface water and water quality may not be available electronically.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,590 ft<sup>3</sup>/s and (or) maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Jan 10	1545	*191	*7.93

## Water-Data Report 2011

## 08164503 West Mustang Creek near Ganado, TX—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**  
**DAILY MEAN VALUES**  
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	21	12	2.1	e10	5.5	0.08	0.35	6.1	5.4	4.5	13	0.32
2	15	12	2.5	e7.1	4.4	0.06	0.11	3.4	3.1	4.3	14	0.28
3	14	7.5	2.7	e6.1	3.3	0.05	0.33	5.9	2.0	8.0	16	0.83
4	11	7.8	2.8	e6.8	1.8	0.05	0.38	10	1.8	10	14	1.3
5	7.7	5.8	2.5	e6.6	1.2	0.04	2.1	13	1.5	16	14	2.4
6	6.9	4.4	1.8	e6.6	2.4	0.02	5.0	5.0	4.3	14	10	2.5
7	8.6	4.3	1.9	e7.6	3.0	0.02	1.4	5.9	5.8	10	4.9	1.8
8	9.9	4.9	2.0	e7.6	1.2	0.01	1.8	6.1	6.8	11	4.4	1.4
9	20	5.1	1.8	e51	1.5	0.10	5.1	4.0	12	13	3.3	1.4
10	32	5.1	2.2	e142	0.73	0.07	5.9	2.8	4.6	24	6.2	1.5
11	27	5.0	2.5	80	0.54	0.06	9.8	3.1	4.4	24	8.4	1.4
12	26	5.4	1.9	35	0.42	0.06	5.4	2.9	3.7	17	4.7	1.5
13	32	5.6	1.4	17	0.38	0.06	8.1	59	2.1	12	1.9	0.87
14	42	4.9	1.7	9.0	0.92	0.05	13	104	1.7	11	0.92	0.47
15	40	4.5	2.2	6.4	2.1	0.04	13	57	1.4	21	2.3	0.21
16	36	4.0	2.3	5.2	0.76	0.04	14	21	0.87	15	7.7	0.10
17	33	6.1	1.9	29	0.52	0.04	18	8.5	0.76	11	3.7	0.08
18	37	5.2	1.5	80	0.66	0.04	23	3.8	1.3	26	1.5	16
19	27	4.5	1.4	38	0.61	0.04	23	2.2	0.74	33	0.81	11
20	22	5.1	1.8	20	0.45	0.03	23	1.5	0.43	26	0.62	7.1
21	11	5.4	2.0	8.9	0.41	1.2	24	0.85	0.22	30	0.58	5.6
22	14	5.2	2.0	5.3	0.38	2.8	14	0.53	1.1	33	0.64	6.5
23	16	5.0	1.8	4.4	0.31	1.7	7.3	0.41	9.8	32	1.4	5.4
24	14	4.9	1.7	6.7	0.74	0.94	8.3	0.53	62	28	0.91	5.6
25	10	4.5	1.2	63	1.6	1.2	16	2.5	75	24	0.72	7.1
26	11	2.9	0.73	27	0.52	2.1	7.8	32	45	17	0.52	6.2
27	9.0	2.4	2.5	15	0.34	0.74	8.7	68	26	15	0.36	9.8
28	6.5	3.0	4.9	20	0.17	0.26	5.2	32	18	16	0.93	10
29	5.1	3.9	5.6	15	---	0.09	1.9	14	12	22	1.6	7.6
30	5.9	3.1	16	13	---	0.11	1.4	9.8	7.4	22	0.85	9.0
31	6.7	---	e9.3	11	---	0.16	---	5.5	---	15	0.36	---
<b>Total</b>	577.3	159.5	88.63	760.3	36.86	12.26	267.37	491.32	321.22	564.8	141.22	125.26
<b>Mean</b>	18.6	5.32	2.86	24.5	1.32	0.40	8.91	15.8	10.7	18.2	4.56	4.18
<b>Max</b>	42	12	16	142	5.5	2.8	24	104	75	33	16	16
<b>Min</b>	5.1	2.4	0.73	4.4	0.17	0.01	0.11	0.41	0.22	4.3	0.36	0.08
<b>Ac-ft</b>	1,150	316	176	1,510	73	24	530	975	637	1,120	280	248
<b>Cfsm</b>	0.10	0.03	0.02	0.14	0.01	0.00	0.05	0.09	0.06	0.10	0.03	0.02
<b>In.</b>	0.12	0.03	0.02	0.16	0.01	0.00	0.06	0.10	0.07	0.12	0.03	0.03

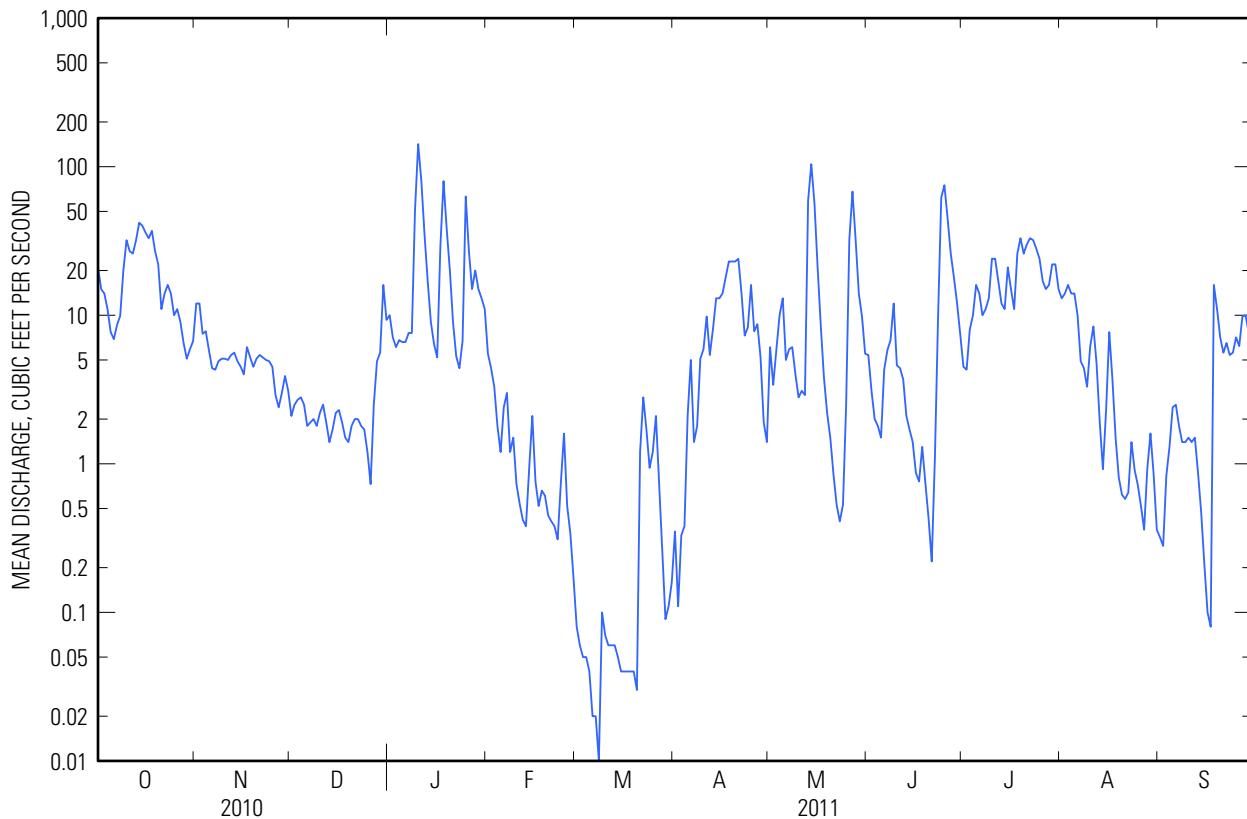
**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2011, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	245	225	104	163	134	103	144	205	171	182	54.8	228
<b>Max</b>	1,746	2,262	587	881	1,243	988	1,107	903	958	1,682	197	1,173
(WY)	(1995)	(2005)	(1992)	(1980)	(1992)	(1997)	(1997)	(2004)	(1993)	(2007)	(2007)	(2001)
<b>Min</b>	14.2	1.30	0.16	0.00	0.00	0.40	7.31	5.94	2.65	11.7	4.56	4.18
(WY)	(1988)	(2009)	(2009)	(2009)	(2009)	(2011)	(2010)	(2008)	(2009)	(2009)	(2011)	(2011)

**08164503 West Mustang Creek near Ganado, TX—Continued****SUMMARY STATISTICS**

	<b>Calendar Year 2010</b>	<b>Water Year 2011</b>	<b>Water Years 1978 - 2011</b>	
<b>Annual total</b>	48,816.50	3,546.04		
<b>Annual mean</b>	134	9.72	163	
<b>Highest annual mean</b>			325	1997
<b>Lowest annual mean</b>			9.72	2011
<b>Highest daily mean</b>	4,170	May 16	142	Jan 10
<b>Lowest daily mean</b>	0.29	May 29	0.01	Mar 8
<b>Annual seven-day minimum</b>	0.62	May 26	0.04	Mar 2
<b>Maximum peak flow</b>			191	Jan 10
<b>Maximum peak stage</b>			7.93	Jan 10
<b>Annual runoff (ac-ft)</b>	96,830	7,030	118,200	
<b>Annual runoff (cfs-m)</b>	0.751	0.055	0.916	
<b>Annual runoff (inches)</b>	10.20	0.74	12.45	
<b>10 percent exceeds</b>	281	25	296	
<b>50 percent exceeds</b>	12	5.0	20	
<b>90 percent exceeds</b>	2.0	0.36	1.4	

a From floodmark.



**08164503 West Mustang Creek near Ganado, TX—Continued****WATER-QUALITY RECORDS****PERIOD OF RECORD--**

CHEMICAL DATA: Oct. 1977 to Mar. 1997, July 2000 to current year.

BIOCHEMICAL DATA: Oct. 1977 to Apr. 1996, Sept. 2005.

BIOLOGICAL DATA: Oct. 1997 to Aug. 1995.

PESTICIDE DATA: Nov. 1977 to July 1981, Apr. 1996 to current year.

RADIOCHEMICAL DATA: Feb. 1981 to July 1981, July 2000 to current year.

SEDIMENT DATA: Sept. 1978 to Apr. 1979.

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[%; percent; ft, feet; ft<sup>3</sup>/s, cubic feet per second; mL, milliliters; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Medium name	Sample type	Barometric pressure, mm Hg (00025)	Discharge, instantane-ous, ft <sup>3</sup> /s (00061)	Discharge, second (30209)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, % saturation (00301)	pH, water, unfiltered, field, standard units (00400)
05-05-2011	0840	Surface water	Regular	765	8.8	.25	7.7	82	8.0
08-15-2011	1100	Surface water	Regular	760	1.4	.04	5.2	67	8.0

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[%; percent; ft, feet; ft<sup>3</sup>/s, cubic feet per second; mL, milliliters; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Specific pH, water, unfiltered, laboratory, standard units (00403)	Specific conductance, water, unfiltered, laboratory, µS/cm at 25 °C (90095)	Specific conductance, water, unfiltered, µS/cm at 25 °C (00095)	Temperature, water, °C (00010)	Gage height, above datum, meters (30207)	Gage height, ft (00065)	2,4,5-T, surrogate, Schedule 9060/2060, water, glass fiber filter), percent recovery (99958)	alpha-HCH-d6, surrogate, filtered (0.7 micron) percent recovery (91065)	Barban, surrogate, water, filtered, percent recovery (90640)
05-05-2011	0840	8.0	844	833	18.5	1.57	5.14	64.9	105	49.7
08-15-2011	1100	--	--	783	28.3	1.33	4.35	74.0	99.4	70.6

## 08164503 West Mustang Creek near Ganado, TX—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[%, percent; ft, feet; ft<sup>3</sup>/s, cubic feet per second; mL, milliliters; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Diazinon-		Sample purpose (71999)	Sample volume, 2001, mL (99856)	Schedule 9060, milliliters (99840)	Sample volume, 2060 and Schedules 9060, milliliters (99840)	Sampler type (84164)	Sampling method (82398)
		Caffeine-13C,	surrogate, water, Schedule 9060/2060, filtered water, glass fiber filter),						
05-05-2011	0840	78.5	78.6	Routine	905	886	Open-Mouth Bottle	Point sample	
08-15-2011	1100	55.5	102	Routine	958	948	Grab sample	Point sample	

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[%, percent; ft, feet; ft<sup>3</sup>/s, cubic feet per second; mL, milliliters; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Hydrogen		Aluminum, water,		Barium, water, filtered, µg/L (01005)	Beryllium, water, filtered, µg/L (01010)	Cadmium, water, filtered, µg/L (01025)	Chromium, water, filtered, µg/L (01030)
		Type of quality assurance data associated with sample (99111)	ion, water, unfiltered, calculated, mg/L (00191)	Aluminum, unfiltered, water, µg/L (01106)	unfiltered, recoverable, µg/L (01105)				
05-05-2011	0840	No assoc QA data	.00001	19.2	410	229	.01	<.02	.28
08-15-2011	1100	No assoc QA data	.00001	--	--	--	--	--	--

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[%, percent; ft, feet; ft<sup>3</sup>/s, cubic feet per second; mL, milliliters; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Cobalt, water, filtered, µg/L (01035)		Lead, water, filtered, µg/L (01049)		Manga-	Molyb-		Silver, water, filtered, µg/L (01075)	Zinc, water, filtered, µg/L (01090)	Antimony, water, filtered, µg/L (01095)
		Copper, water, filtered, µg/L (01040)	Lead, water, filtered, µg/L (01049)	Nickel, water, filtered, µg/L (01060)	Silver, water, filtered, µg/L (01075)						
05-05-2011	0840	.90	1.6	.10	14.2	2.96	2.5	<.01	<1.4	.35	
08-15-2011	1100	--	--	--	--	--	--	--	--	--	

## 08164503 West Mustang Creek near Ganado, TX—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[%, percent; ft, feet; ft<sup>3</sup>/s, cubic feet per second; mL, milliliters; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	2-Hydroxy-					
		2,4-D methyl ester, water, filtered, recover- able, µg/L (50470)	2,4-DB, water, filtered (0.7 micron)	Diethyl- aniline, water, (0.7 micron)	2-Chloro-4- isopropyl- amino-6- triazine, water, recover- able, µg/L (38746)	2-Chloro-6- ethyl- amino-4- triazine, water, recover- able, µg/L (82660)	4-iso- propyl- amino-6- triazine, water, recover- able, µg/L (04040)
05-05-2011	0840	<.200	.09	<.02	<.006	E .204	.05
08-15-2011	1100	<.200	<.06	<.02	<.006	E .009	<.06

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[%, percent; ft, feet; ft<sup>3</sup>/s, cubic feet per second; mL, milliliters; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Azinphos-					
		Acifluor- fen, water, filtered (0.7 micron) glass fiber filter), recover- able, µg/L (49315)	Aldicarb Alachlor, (0.7 micron) water, filtered, recover- able, µg/L (46342)	Aldicarb sulfone, water, filtered (0.7 micron) glass fiber filter), recover- able, µg/L (49313)	Aldicarb, sulfoxide, water, filtered (0.7 micron) glass fiber filter), recover- able, µg/L (49314)	alpha- HCH, water, filtered, recover- able, µg/L (49312)	Atrazine, water, filtered, recover- able, µg/L (34253)
05-05-2011	0840	<.040	<.008	<.08	<.060	<.12	<.004
08-15-2011	1100	<.040	<.008	<.08	<.060	<.12	<.004

## 08164503 West Mustang Creek near Ganado, TX—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[%, percent; ft, feet; ft<sup>3</sup>/s, cubic feet per second; mL, milliliters; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Benfluralin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82673)		Ben-sulfuron-methyl, water, filtered, recoverable, µg/L (50300)		Bentazon, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (61693)		Bromacil, water, filtered, recoverable, µg/L (38711)		Bromoxynil, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (04029)		Butylate, water, filtered, recoverable, µg/L (49311)		Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (04028)		Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49310)	
		Ben-	sulfuron-	methyl,	water,	Ben-	sulfuron-	methyl,	water,	Brom-	oxynil,	water,	Carbaryl,	water,	Carbaryl,	water,	
05-05-2011	0840	<.014	<.060	<.06	.08	<.06	<.06	<.06	<.12	<.004	<.04	<.060					
08-15-2011	1100	<.014	<.060	<.06	<.06	<.06	<.06	<.06	<.12	<.004	<.04	<.060					

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[%, percent; ft, feet; ft<sup>3</sup>/s, cubic feet per second; mL, milliliters; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Carbo-furan, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (49309)		Chloroamben, water, methyl ester, water, filtered, recoverable, µg/L (82674)		Chlorimuron-ethyl, water, filtered, recoverable, µg/L (61188)		Chlorpyrifos, water, filtered, recoverable, µg/L (50306)		Permethrin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (38933)		Clopyralid, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82687)		Cyanazine, water, filtered, recoverable, µg/L (49305)		Cycloate, water, filtered, recoverable, µg/L (04041)	
		Carbo-	furan,	Chloro-	amben	Chlori-	muron-	Chloro-	pyrifos,	Permeth-	rin, water, filtered	water, filtered	Clopyralid,	water, filtered	Cyanazine,	water, filtered	Cycloate,
05-05-2011	0840	<.040	<.060	<.10	<.080	<.004	<.010	<.06	<.022	<.04							
08-15-2011	1100	<.040	<.060	<.10	<.080	<.004	<.010	<.06	<.022	<.04							

## 08164503 West Mustang Creek near Ganado, TX—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[%, percent; ft, feet; ft<sup>3</sup>/s, cubic feet per second; mL, milliliters; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Dacthal monoacid, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49304)	DCPA, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82682)	Desulfoniyl-fipronil, amide, water, filtered, recover- able, µg/L (62169)	Desulfoniyl-fipronil, water, filtered, recover- able, µg/L (62170)	Diazinon, water, filtered, recover- able, µg/L (39572)	Dicamba, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (38442)	Dichlor-prop, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49302)	Dieldrin, water, filtered, recover- able, µg/L (39381)	Dinoseb, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49301)
05-05-2011	0840	<.04	<.008	<.029	.004	<.006	<.04	<.04	<.008	<.04
08-15-2011	1100	<.04	<.008	<.029	<.012	<.006	<.04	<.04	<.008	<.04

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[%, percent; ft, feet; ft<sup>3</sup>/s, cubic feet per second; mL, milliliters; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Disulfoton, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (04033)	Diuron, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82677)	EPTC, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (49300)	Ethal-fluralin, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82668)	Ethoprop, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82663)	Fenuron, water, filtered (0.7 micron glass fiber filter), recover- able, µg/L (82672)	Fipronil sulfide, water, filtered, recover- able, µg/L (49297)	Fipronil sulfone, water, filtered, recover- able, µg/L (62167)	
05-05-2011	0840	<.04	<.04	<.04	<.006	<.006	<.016	<.06	<.012	.009
08-15-2011	1100	<.04	<.04	<.04	<.006	<.006	<.016	<.06	<.012	<.024

## 08164503 West Mustang Creek near Ganado, TX—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[%, percent; ft, feet; ft<sup>3</sup>/s, cubic feet per second; mL, milliliters; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Fipronil, water, filtered, recoverable, µg/L (62166)	Flumetsulam, water, filtered, recoverable, µg/L (61694)	(0.7 micron glass fiber filter), recoverable, µg/L (38811)	Fonofos, water, filtered, recoverable, µg/L (04095)	Imazaquin, water, filtered, recoverable, µg/L (50356)	Imazapyr, water, filtered, recoverable, µg/L (50407)	Imidacloprid, water, filtered, recoverable, µg/L (61695)	Lindane, water, filtered, recoverable, µg/L (39341)	Linuron, water, filtered, recoverable, µg/L (38478)
05-05-2011	0840	<.018	<.06	<.04	<.005	<.06	E .65	E .216	<.004	<.04
08-15-2011	1100	<.018	<.06	<.04	<.005	<.06	<.06	<.060	<.004	<.04

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[%, percent; ft, feet; ft<sup>3</sup>/s, cubic feet per second; mL, milliliters; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Linuron, water, filtered, (0.7 micron glass fiber filter), recoverable, µg/L (82666)	MCPA, water, filtered, recoverable, µg/L (39532)	MCPB, water, filtered, recoverable, µg/L (38482)	Malathion, water, filtered, recoverable, µg/L (38487)	(0.7 micron glass fiber filter), recoverable, µg/L (38487)	Metalexyl, water, filtered, recoverable, µg/L (50359)	(0.7 micron glass fiber filter), recoverable, µg/L (38501)	(0.7 micron glass fiber filter), recoverable, µg/L (49296)	Methiocarb, water, filtered, recoverable, µg/L (82667)	Methomyl, water, filtered, recoverable, µg/L (39415)	Methyl parathion, water, filtered, recoverable, µg/L (39415)
05-05-2011	0840	<.060	<.016	<.04	<.20	.14	<.040	<.120	<.008	.377		
08-15-2011	1100	<.060	<.016	<.04	<.20	<.04	<.040	<.120	<.008	.037		

## 08164503 West Mustang Creek near Ganado, TX—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[%, percent; ft, feet; ft<sup>3</sup>/s, cubic feet per second; mL, milliliters; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Metsulfuron-methyl, water, filtered, recovered, recoverable, µg/L (82630)	Metsulfuron-methyl, water, filtered, recovered, recoverable, µg/L (61697)	N-(4-chlorophenyl)-N'-methylurea, glass fiber, filtered, recoverable, µg/L (82671)	N-(4-chlorophenyl)-N'-methylurea, glass fiber, filtered, recoverable, µg/L (61692)	Napropamide, water, glass fiber, filtered, recoverable, µg/L (82684)	Napropamide, water, glass fiber, filtered, recoverable, µg/L (49294)	Neburon, water, glass fiber, filtered, recoverable, µg/L (50364)	Neburon, water, glass fiber, filtered, recoverable, µg/L (49293)	Niclosulfuron, water, glass fiber, filtered, recoverable, µg/L (49292)	Niclosulfuron, water, glass fiber, filtered, recoverable, µg/L (49293)	Norflurazon, water, glass fiber, filtered, recoverable, µg/L (49292)	Oryzalin, water, glass fiber, filtered, recoverable, µg/L (49292)
05-05-2011	0840	<.012	<.14	<.004	<.06	<.008	<.02	<.10	<.04	<.04	<.04	<.04	<.04
08-15-2011	1100	<.012	<.14	<.004	<.06	<.008	<.02	<.10	<.04	<.04	<.04	<.04	<.04

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[%, percent; ft, feet; ft<sup>3</sup>/s, cubic feet per second; mL, milliliters; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Oxamyl, water, filtered, recovered, recoverable, µg/L (38866)	p,p'-DDE, glass fiber, filter, recovered, recoverable, µg/L (34653)	Parathion, water, filtered, recovered, recoverable, µg/L (39542)	Pebulate, water, filtered, recovered, recoverable, µg/L (82669)	Pendimethalin, water, filtered, recovered, recoverable, µg/L (82683)	Phorate, water, filter, recovered, recoverable, µg/L (82664)	Picloram, water, filter, recovered, recoverable, µg/L (49291)	Prometon, water, filtered, recovered, recoverable, µg/L (40437)	Propachlor, water, filtered, recovered, recoverable, µg/L (04024)
05-05-2011	0840	<.12	<.002	<.020	<.016	.035	<.020	<.12	<.012	<.006
08-15-2011	1100	<.12	<.002	<.020	<.016	<.012	<.020	<.12	<.012	<.006

## 08164503 West Mustang Creek near Ganado, TX—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[%, percent; ft, feet; ft<sup>3</sup>/s, cubic feet per second; mL, milliliters; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Propanil, water, filtered (0.7 micron glass fiber)	Propargite, water, filtered (0.7 micron glass fiber)	Propham, water, filtered (0.7 micron glass fiber)	Propiconazole, water, filtered, recoverable, (50471)	Propoxur, water, filtered (0.7 micron glass fiber)	Propyzamide, water, filtered (0.7 micron glass fiber)	Siduron, water, filtered, recoverable, (38548)	Simazine, water, filtered, recoverable, (04035)	Sulfo-meturon-methyl, water, filtered, recoverable, (50337)
		recoverable, (82679)	recoverable, (82685)	recoverable, (49236)	recoverable, (50471)	recoverable, (38538)	recoverable, (82676)	recoverable, (38548)	recoverable, (04035)	recoverable, (50337)
05-05-2011	0840	<.010	<.02	<.040	.02	<.060	<.004	<.04	.050	<.060
08-15-2011	1100	<.010	<.02	<.040	.92	<.060	<.004	<.04	<.006	<.060

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[%, percent; ft, feet; ft<sup>3</sup>/s, cubic feet per second; mL, milliliters; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Tebuthiuron, water, filtered (0.7 micron glass fiber)	Terbacil, water, filtered (0.7 micron glass fiber)	Terbufos, water, filtered (0.7 micron glass fiber)	Thiobencarb, water, filtered (0.7 micron glass fiber)	Triallate, water, filtered (0.7 micron glass fiber)	Triclopyr, water, filtered (0.7 micron glass fiber)	Trifluralin, water, filtered (0.7 micron glass fiber)	2,4-D plus 2,4-D ester, sum on a molar basis, micrograms per liter as 2,4-D
		recoverable, (82670)	recoverable, (82665)	recoverable, (04032)	recoverable, (82675)	recoverable, (82681)	recoverable, (82678)	recoverable, (49235)	(82661)
05-05-2011	0840	<.03	<.024	<.040	<.02	.483	<.005	<.08	<.018
08-15-2011	1100	<.03	<.024	<.040	<.02	.006	<.005	.10	<.018

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

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[%, percent; ft, feet; ft<sup>3</sup>/s, cubic feet per second; mL, milliliters; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Caffeine, water, filtered, recoverable, (50305)	Uranium (natural), water, filtered, (22703)	Lot number, Capsule Filter (99206)
		µg/L	µg/L	Filter (99206)
05-05-2011	0840	<.080	2.04	10,904
08-15-2011	1100	<.080	--	--