Water-Data Report 2008

08164504 East Mustang Creek near Louise, TX

Lavaca Basin
Navidad Subbasin

LOCATION.--Lat 29°04′14″, long 96°25′01″ referenced to North American Datum of 1927, Wharton County, TX, Hydrologic Unit 12100102, on right bank, 50 ft downstream from right end of bridge on Farm Road 647, and 2.7 mi south of Louise.

DRAINAGE AREA.--53.9 mi^2, (Revised).

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Oct. 1996 to current year. Prior to Oct. 2000, published as "at FM 647 near Ganado".

GAGE.--Water-stage recorder. Datum of gage is 43.02 ft above NGVD of 1929. Satellite telemeter at station.

REMARKS.--Records good. Much of the 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.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,540 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sep 14	1730	*2,300	*20.62

08164504 East Mustang Creek near Louise, TX—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.02	0.11	0.03	0.00	0.00	e2.0	0.23	0.07	1.6	0.04	0.00	1.6
2	0.03	0.12	2.7	0.00	0.00	e1.5	0.99	0.06	3.0	0.04	0.00	1.0
3	0.03	0.09	1.4	0.00	0.67	e0.80	1.2	0.07	1.4	0.03	0.00	0.32
4	0.02	0.07	0.35	0.00	0.39	e0.70	1.4	0.53	2.5	0.99	0.00	0.07
5	0.02	0.03	0.12	0.00	0.05	e0.80	1.3	0.61	2.9	1.3	0.00	0.01
6	0.01	0.01	0.01	0.00	0.00	e2.5	1.2	0.25	2.7	2.1	0.00	0.00
7	2.7	0.00	0.00	0.00	0.00	e9.0	0.55	0.14	4.1	0.89	0.00	0.00
8	2.7	0.01	0.00	0.00	0.00	e10	0.35	0.10	1.7	0.22	0.00	0.00
9	1.6	0.01	0.00	0.00	0.00	e4.0	0.25	0.07	2.2	0.03	0.00	0.00
10	0.89	0.00	0.00	0.00	0.00	e10	0.22	0.05	2.5	0.00	0.00	0.00
11	0.35	0.00	0.00	0.00	73	91	0.22	0.05	4.4	0.00	0.00	0.00
12	0.08	0.00	0.00	0.00	919	42	0.16	0.04	2.1	0.06	0.01	0.00
13	0.05	0.01	0.00	0.00	196	15	0.12	0.05	2.4	0.11	0.08	0.00
14	0.02	0.01	0.00	0.00	62	6.9	0.09	0.04	0.79	0.01	0.69	1,280
15	0.23	0.00	0.01	0.00	29	4.1	0.07	0.05	0.81	0.00	0.25	1,550
16	0.59	0.00	0.20	16	34	2.3	0.08	0.04	0.53	0.04	1.1	426
17	0.98	0.00	0.00	43	341	1.5	1.3	0.04	0.99	0.00	5.8	165
18	0.35	0.00	0.36	16	115	1.1	0.82	0.06	4.0	0.25	0.54	73
19	0.26	2.1	0.00	270	41	0.69	0.62	0.29	4.6	0.03	0.10	32
20	0.86	16	0.00	161	29	0.41	0.91	1.6	1.6	0.00	19	14
21	0.46	5.2	0.00	44	132	0.33	0.39	1.4	3.6	0.00	512	7.6
22	0.31	1.4	0.00	55	75	0.34	0.20	1.6	9.1	0.00	225	4.5
23	0.06	0.14	0.00	199	32	0.29	0.15	3.3	1.9	0.00	93	3.0
24	0.08	0.01	0.00	121	14	0.25	0.12	3.0	0.60	0.18	45	2.1
25	0.07	0.01	0.00	65	6.4	0.23	0.11	3.5	0.15	0.80	20	1.5
26	0.09	0.57	0.00	43	3.1	0.23	0.19	1.7	0.07	0.06	9.1	1.2
27	0.12	3.8	e0.00	20	e2.6	0.26	0.13	3.0	0.04	1.4	4.4	0.97
28	0.12	1.3	e0.00	7.0	e2.4	0.29	0.10	3.5	0.03	1.3	1.4	0.86
29	0.11	0.26	e0.00	1.8	e2.2	0.30	0.06	2.2	0.05	0.45	0.92	0.79
30	0.13	0.00	e0.00	0.16	---	0.27	0.07	2.9	0.04	0.03	0.12	0.73
31	0.11	---	0.00	0.00	---	0.25	---	2.1	---	0.00	0.58	---
Total	13.45	31.26	5.18	1,061.96	2,109.81	209.34	13.60	32.41	62.40	10.36	939.09	3,566.25
Mean	0.43	1.04	0.17	34.3	72.8	6.75	0.45	1.05	2.08	0.33	30.3	119
Max	2.7	16	2.7	270	919	91	1.4	3.5	9.1	2.1	512	1,550
Min	0.01	0.00	0.00	0.00	0.00	0.23	0.06	0.04	0.03	0.00	0.00	0.00
Ac-ft	27	62	10	2,110	4,180	415	27	64	124	21	1,860	7,070

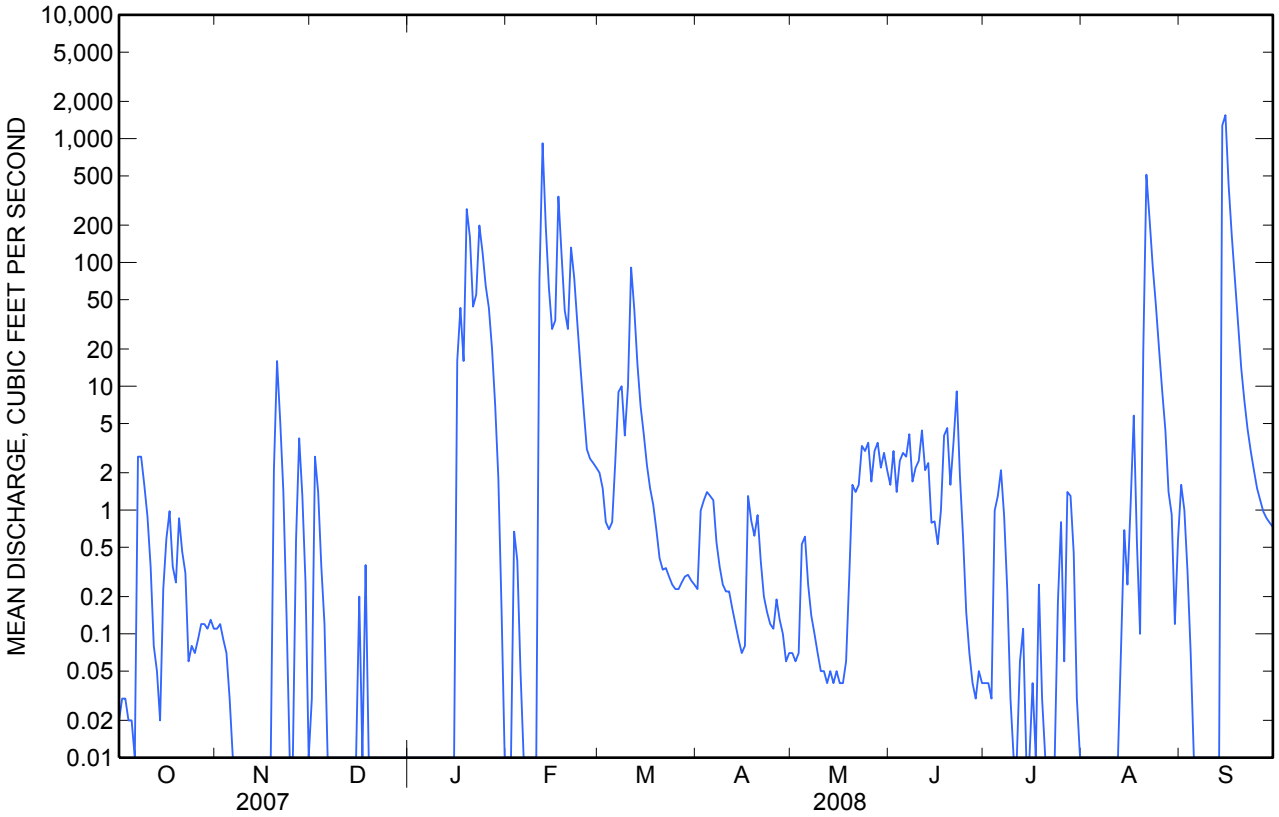
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	92.6	142	25.0	42.8	30.9	51.1	46.2	61.7	31.0	75.7	21.4	101
Max	371	789	87.0	182	90.7	310	374	300	248	533	83.5	368
(WY)	(1998)	(2005)	(2003)	(2007)	(2005)	(1997)	(1997)	(2004)	(2004)	(2007)	(1998)	(1998)
Min	0.21	0.06	0.07	0.01	0.02	0.12	0.45	0.66	0.43	0.33	0.26	0.00
(WY)	(2000)	(2000)	(2000)	(2006)	(2006)	(2003)	(2008)	(2003)	(2001)	(2008)	(2000)	(2000)

08164504 East Mustang Creek near Louise, TX—Continued

SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1997 - 2008	
Annual total	34,520.31		8,055.11			
Annual mean	94.6		22.0		60.1	
Highest annual mean					104	1997
Lowest annual mean					5.53	2006
Highest daily mean	1,780	Jul 3	1,550	Sep 15	5,410	Nov 22, 2004
Lowest daily mean	0.00	May 5	0.00	Nov 7	0.00	Jul 14, 2000
Annual seven-day minimum	0.00	Jun 20	0.00	Dec 7	0.00	Jul 14, 2000
Maximum peak flow			2,300	Sep 14	6,510	Nov 22, 2004
Maximum peak stage			20.62	Sep 14	24.35	Nov 22, 2004
Annual runoff (ac-ft)	68,470		15,980		43,560	
10 percent exceeds	226		19		74	
50 percent exceeds	1.4		0.25		1.2	
90 percent exceeds	0.00		0.00		0.01	



08164504 East Mustang Creek near Louise, TX—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
CHEMICAL DATA: Apr. 1996 to current year
PESTICIDE DATA: Apr. 1996 to current year.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 1 of 11

[Remark codes: <, less than; E, estimated.]

Date	Time	Sample medium and type	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf µS/cm 25 degC (00095)	Temperature, water, deg C (00010)
Apr									
07...	1230	Surface water, regular	.64	762	6.9	81	7.7	393	23.1
Jun									
09...	1440	Surface water, regular	2.8	761	10.8	150	8.3	775	32.5

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 2 of 11

[Remark codes: <, less than; E, estimated.]

Date	Aluminum, water, fltrd, µg/L (01106)	Aluminum, water, unfltrd recoverable, µg/L (01105)	Antimony, water, fltrd, µg/L (01095)	Barium, water, fltrd, µg/L (01005)	Beryllium, water, fltrd, µg/L (01010)	Cadmium water, fltrd, µg/L (01025)	Chromium, water, fltrd, µg/L (01030)	Cobalt water, fltrd, µg/L (01035)	Copper, water, fltrd, µg/L (01040)	Lead, water, fltrd, µg/L (01049)	Manganese, water, fltrd, µg/L (01056)	Molybdenum, water, fltrd, µg/L (01060)	Nickel, water, fltrd, µg/L (01065)
Apr													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
Jun													
09...	10.6	410	E.13	187	<.01	<.04	.24	.41	11.2	.70	60.0	.8	2.0

08164504 East Mustang Creek near Louise, TX—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 3 of 11
[Remark codes: <, less than; E, estimated.]

Date	Silver, water, fltrd, µg/L (01075)	Zinc, water, fltrd, µg/L (01090)	2,4-D methyl ester, water, fltrd, µg/L (50470)	2,4-D plus 2,4-D methyl ester µg/L as 2,4-D (66496)	2,4-D, water, fltrd, µg/L (39732)	2,4-DB, water, fltrd 0.7u GF µg/L (38746)	2,6-Di-ethyl-aniline water, fltrd 0.7u GF µg/L (82660)	CIAT, water, fltrd, µg/L (04040)	CEAT, water, fltrd, µg/L (04038)	OIET, water, fltrd, µg/L (50355)	3-Hydroxy carbo-furan, wat flt 0.7u GF µg/L (49308)	Aceto-chlor, water, fltrd, µg/L (49260)	Aci-fluor-fen, water, fltrd 0.7u GF µg/L (49315)
Apr													
07...	--	--	<.040	<.02	<.02	<.02	<.002	E.675	.44	.397	<.040	<.006	<.040
Jun													
09...	<.1	5.3	<.040	<.00	<.02	<.02	<.002	E.506	.25	E3.27	<.040	<.006	<.040

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 4 of 11
[Remark codes: <, less than; E, estimated.]

Date	Ala-chlor, water, fltrd, µg/L (46342)	Aldi-carb sulfone water, fltrd 0.7u GF µg/L (49313)	Aldi-carb sulf-oxide, wat flt 0.7u GF µg/L (49314)	Aldi-carb, water, fltrd 0.7u GF µg/L (49312)	alpha-HCH, water, fltrd, µg/L (34253)	Atra-zine, water, fltrd, µg/L (39632)	Azin-phos-methyl, water, fltrd 0.7u GF µg/L (82686)	Bendio-carb, water, fltrd, µg/L (50299)	Ben-flur-alin, water, fltrd 0.7u GF µg/L (82673)	Benomyl water, fltrd, µg/L (50300)	Bensul-furon-methyl, water, fltrd, µg/L (61693)	Ben-tazon, water, fltrd 0.7u GF µg/L (38711)	Broma-cil, water, fltrd, µg/L (04029)
Apr													
07...	.161	<.08	<.060	<.12	<.002	2.76	<.120	<.04	<.004	<.040	<.06	<.04	<.02
Jun													
09...	.015	<.08	<.060	<.12	<.002	3.79	<.120	<.04	<.004	<.040	<.06	<.04	<.02

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 5 of 11
[Remark codes: <, less than; E, estimated.]

Date	Brom-oxynil, water, fltrd 0.7u GF µg/L (49311)	Butyl-ate, water, fltrd, µg/L (04028)	Caf-feine, water, fltrd, µg/L (50305)	Car-baryl, water, fltrd 0.7u GF µg/L (49310)	Car-baryl, water, fltrd 0.7u GF µg/L (82680)	Carbo-furan, water, fltrd 0.7u GF µg/L (49309)	Carbo-furan, water, fltrd 0.7u GF µg/L (82674)	Chlor-amben methyl ester, water, fltrd, µg/L (61188)	Chlori-muron-ethyl, water, fltrd, µg/L (50306)	Chlor-pyrifos water, fltrd, µg/L (38933)	cis-Per-methrin water fltrd 0.7u GF µg/L (82687)	Clopyr-alid, water, fltrd 0.7u GF µg/L (49305)	Cyana-zine, water, fltrd, µg/L (04041)
Apr													
07...	<.12	<.002	.140	<.04	<.060	<.020	<.020	<.10	<.080	<.017	<.010	<.06	<.020
Jun													
09...	<.12	<.002	<.060	<.04	<.060	<.020	<.020	<.10	<.080	<.005	<.010	--	<.020

08164504 East Mustang Creek near Louise, TX—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 6 of 11
[Remark codes: <, less than; E, estimated.]

Date	Cyclo-ate, water, fltrd, µg/L (04031)	Dacthal mono-acid, water, fltrd 0.7u GF µg/L (49304)	DCPA, water, fltrd 0.7u GF µg/L (82682)	Desulf-inyl-fipro-nil, water, fltrd, µg/L (62170)	Diazi-non, water, fltrd, µg/L (39572)	Dicamba water, fltrd 0.7u GF µg/L (38442)	Di-chlor-prop, water, fltrd 0.7u GF µg/L (49302)	Diel-drin, water, fltrd, µg/L (39381)	Dinoseb water, fltrd 0.7u GF µg/L (49301)	Diphen-amid, water, fltrd, µg/L (04033)	Disul-foton, water, fltrd 0.7u GF µg/L (82677)	Diuron, water, fltrd 0.7u GF µg/L (49300)	EPTC, water, fltrd 0.7u GF µg/L (82668)
Apr													
07...	<.02	<.02	<.003	<.012	<.005	<.04	<.02	<.009	<.04	<.04	<.04	E.03	<.002
Jun													
09...	<.02	<.02	<.003	<.012	<.005	<.04	<.02	<.009	<.04	<.04	<.04	<.04	<.002

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 7 of 11
[Remark codes: <, less than; E, estimated.]

Date	Ethal-flur-alin, water, fltrd 0.7u GF µg/L (82663)	Etho-prop, water, fltrd 0.7u GF µg/L (82672)	Fenuron water, fltrd 0.7u GF µg/L (49297)	Desulf-inyl-fipro-nil amide, wat flt µg/L (62169)	Fipro-nil sulfide water, fltrd, µg/L (62167)	Fipro-nil sulfone water, fltrd, µg/L (62168)	Fipro-nil, water, fltrd, µg/L (62166)	Flumet-sulam, water, fltrd, µg/L (61694)	Fluo-meturon water, fltrd 0.7u GF µg/L (38811)	Fonofos water, fltrd, µg/L (04095)	Imaza-quin, water, fltrd, µg/L (50356)	Imaze-thapyr, water, fltrd, µg/L (50407)	Imida-cloprid water, fltrd, µg/L (61695)
Apr													
07...	<.009	<.018	<.04	<.029	<.013	<.024	<.020	<.06	<.04	<.010	<.04	<.04	<.060
Jun													
09...	<.009	<.012	<.04	<.029	<.013	<.024	<.020	<.06	.04	<.010	<.04	<.04	<.060

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 8 of 11
[Remark codes: <, less than; E, estimated.]

Date	Lindane water, fltrd, µg/L (39341)	Linuron water, fltrd 0.7u GF µg/L (38478)	Linuron water, fltrd 0.7u GF µg/L (82666)	Mala-thion, water, fltrd, µg/L (39532)	MCPA, water, fltrd 0.7u GF µg/L (38482)	MCPB, water, fltrd 0.7u GF µg/L (38487)	Meta-laxyl, water, fltrd, µg/L (50359)	Methio-carb, water, fltrd 0.7u GF µg/L (38501)	Meth-omyl, water, fltrd 0.7u GF µg/L (49296)	Methyl para-thion, water, fltrd 0.7u GF µg/L (82667)	Metola-chlor, water, fltrd, µg/L (39415)	Metri-buzin, water, fltrd, µg/L (82630)	Metsul-furon-methyl, water, fltrd, µg/L (61697)
Apr													
07...	<.006	<.02	<.060	<.016	<.06	<.06	<.02	<.040	<.120	<.008	.194	<.012	<.14
Jun													
09...	<.006	<.02	<.060	.580	<.06	<.06	<.02	<.040	<.120	<.008	.060	<.012	<.14

08164504 East Mustang Creek near Louise, TX—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 9 of 11
[Remark codes: <, less than; E, estimated.]

Date	Molinate, water, fltrd 0.7u GF µg/L (82671)	N-(4-Chlorophenyl)-N'-methylurea, µg/L (61692)	Napropamide, water, fltrd 0.7u GF µg/L (82684)	Neburon water, fltrd 0.7u GF µg/L (49294)	Nicosulfuron, water, fltrd, µg/L (50364)	Norflurazon, water, fltrd 0.7u GF µg/L (49293)	Oryzalin, water, fltrd 0.7u GF µg/L (49292)	Oxamyl, water, fltrd 0.7u GF µg/L (38866)	p,p'-DDE, water, fltrd, µg/L (34653)	Parathion, water, fltrd, µg/L (39542)	Pebulate, water, fltrd 0.7u GF µg/L (82669)	Pendimethalin, water, fltrd 0.7u GF µg/L (82683)	Phorate water, fltrd 0.7u GF µg/L (82664)
Apr													
07...	<.002	<.12	<.018	<.02	<.10	<.02	<.04	<.12	<.003	<.010	<.004	<.012	<.040
Jun													
09...	<.002	<.12	<.018	<.02	<.10	<.02	<.04	<.12	<.003	<.010	<.004	<.012	<.040

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 10 of 11
[Remark codes: <, less than; E, estimated.]

Date	Picloram, water, fltrd 0.7u GF µg/L (49291)	Prometon, water, fltrd, µg/L (04037)	Propyzamide, water, fltrd 0.7u GF µg/L (82676)	Propachlor, water, fltrd, µg/L (04024)	Propanil, water, fltrd 0.7u GF µg/L (82679)	Propargite, water, fltrd 0.7u GF µg/L (82685)	Propham water, fltrd 0.7u GF µg/L (49236)	Propiconazole, water, fltrd, µg/L (50471)	Propoxur, water, fltrd 0.7u GF µg/L (38538)	Siduron water, fltrd, µg/L (38548)	Simazine, water, fltrd, µg/L (04035)	Sulfometruron-methyl, water, fltrd, µg/L (50337)	Tebuthiuron water, fltrd 0.7u GF µg/L (82670)
Apr													
07...	<.12	E.01	<.004	<.006	<.006	<.04	<.040	<.04	<.040	<.02	1.04	<.060	.16
Jun													
09...	--	<.01	<.004	<.006	<.006	<.04	<.040	<.04	<.040	<.02	.022	<.060	E.06

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 11 of 11
[Remark codes: <, less than; E, estimated.]

Date	Terbacil, water, fltrd 0.7u GF µg/L (82665)	Terbacil, water, fltrd, µg/L (04032)	Terbufos, water, fltrd 0.7u GF µg/L (82675)	Thiobencarb water, fltrd 0.7u GF µg/L (82681)	Triallate, water, fltrd 0.7u GF µg/L (82678)	Triclopyr, water, fltrd 0.7u GF µg/L (49235)	Trifluralin, water, fltrd 0.7u GF µg/L (82661)	Uranium natural water, fltrd, µg/L (22703)
Apr								
07...	<.018	<.040	<.02	<.010	<.006	<.08	<.006	--
Jun								
09...	<.018	<.040	<.02	<.010	<.006	<.08	<.006	2.24