Water-Data Report 2013

07372050 Dugdemona River near Joyce, LA

Red Basin
Dugdemona Subbasin

LOCATION.--Lat 31°56′13″, long 92°36′12″ referenced to North American Datum of 1983, in sec.18, T.11 N., R.2 W., Winn Parish, LA, Hydrologic Unit 08040303, on right bank on downstream side of bridge on U.S. Highway 84, approximately 1.1 miles east of Winnfield, approximately 4.4 miles downstream from the mouth of Miller Branch.

DRAINAGE AREA.--740 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--November 2001 to April 12, 2013.

GAGE.--Water-stage recorder. Datum of gage is 71.00 ft above NGVD of 1929.

REMARKS.--Records good above 100 ft^3/s and fair below. Satellite telemetry and rain gage at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 28,700 ft^3/s, Dec. 16, 2001, gage height, 22.24 ft.; minimum discharge, 0.45 ft^3/s, Aug. 8, 2007; minimum gage height, 4.11 ft, Sep. 10, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,870 ft^3/s, Jan. 16, gage height, 19.36 ft; minimum discharge, 3.2 ft^3/s, Nov. 14, 15, 16, gage height, 4.43 ft.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	780	14	8.4	800	582	1,160	184	---	---	---	---	---
2	646	13	45	1,170	569	1,170	300	---	---	---	---	---
3	579	12	103	1,230	543	1,260	436	---	---	---	---	---
4	591	11	123	1,240	539	1,460	545	---	---	---	---	---
5	563	9.1	124	1,180	569	1,580	597	---	---	---	---	---
6	581	8.3	115	1,080	593	1,470	651	---	---	---	---	---
7	621	7.2	85	1,030	566	1,220	682	---	---	---	---	---
8	636	6.0	55	1,010	481	900	643	---	---	---	---	---
9	561	5.7	53	1,120	382	593	535	---	---	---	---	---
10	340	5.4	233	3,030	407	397	422	---	---	---	---	---
11	143	5.0	436	5,220	1,370	321	912	---	---	---	---	---
12	68	4.9	369	4,870	1,960	290	2,870	---	---	---	---	---
13	48	3.8	292	4,760	2,680	279	---	---	---	---	---	---
14	39	3.4	249	5,540	3,030	286	---	---	---	---	---	---
15	32	3.5	259	7,150	3,100	302	---	---	---	---	---	---
16	29	3.6	307	7,740	3,230	329	---	---	---	---	---	---
17	25	4.1	408	7,200	3,190	342	---	---	---	---	---	---
18	22	4.4	461	6,750	2,980	315	---	---	---	---	---	---
19	20	4.8	444	5,860	2,620	260	---	---	---	---	---	---
20	71	6.1	415	4,870	2,210	209	---	---	---	---	---	---
21	125	7.6	376	4,090	1,770	179	---	---	---	---	---	---
22	115	9.4	384	3,410	1,420	161	---	---	---	---	---	---
23	77	8.5	418	2,750	1,120	149	---	---	---	---	---	---
24	52	7.7	443	2,100	905	138	---	---	---	---	---	---
25	43	6.8	439	1,510	849	126	---	---	---	---	---	---
26	39	8.1	642	1,140	956	113	---	---	---	---	---	---
27	33	18	563	855	1,110	103	---	---	---	---	---	---
28	26	18	503	636	1,150	98	---	---	---	---	---	---
29	21	13	546	484	---	99	---	---	---	---	---	---
30	18	10	568	523	---	104	---	---	---	---	---	---
31	16	---	622	641	---	111	---	---	---	---	---	---
Total	6,960	242.4	10,088.4	90,989	40,881	15,524	---	---	---	---	---	---
Mean	225	8.08	325	2,935	1,460	501	---	---	---	---	---	---
Max	780	18	642	7,740	3,230	1,580	---	---	---	---	---	---
Min	16	3.4	8.4	484	382	98	---	---	---	---	---	---
Cfsm	0.30	0.01	0.44	3.97	1.97	0.68	---	---	---	---	---	---
In.	0.35	0.01	0.51	4.57	2.06	0.78	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	313	541	852	1,349	1,879	1,479	598	543	341	217	31.0	80.1
Max	2,449	2,764	2,684	4,490	4,258	5,019	1,407	1,154	2,121	1,381	79.7	602
(WY)	(2010)	(2010)	(2005)	(2007)	(2004)	(2012)	(2009)	(2009)	(2004)	(2004)	(2009)	(2008)
Min	2.25	8.08	34.0	55.2	220	86.7	52.8	66.5	7.83	16.1	2.26	3.10
(WY)	(2012)	(2013)	(2006)	(2008)	(2009)	(2011)	(2011)	(2012)	(2012)	(2008)	(2006)	(2007)

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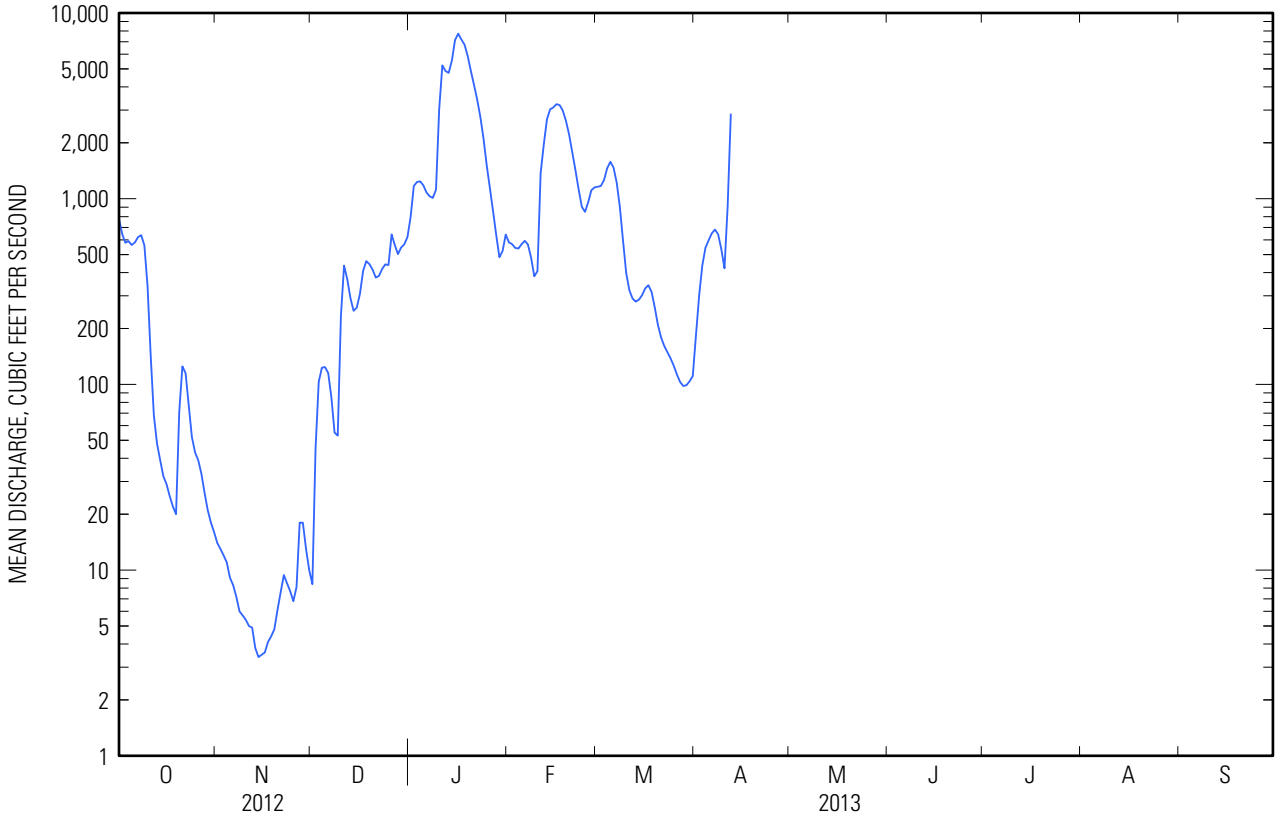
SUMMARY STATISTICS

	Water Years 2003 - 2013	
Annual mean	687	
Highest annual mean	978	2005
Lowest annual mean	108	2011
Highest daily mean	16,200	Mar 24, 2012
Lowest daily mean	0.49	Aug 26, 2007
Annual seven-day minimum	0.53	Aug 23, 2007
Maximum peak flow	28,700	Dec 16, 2001
Maximum peak stage	22.24	Dec 16, 2001
Instantaneous low flow	0.45	Aug 28, 2007
Annual runoff (cfsm)	0.929	
Annual runoff (inches)	12.62	
10 percent exceeds	2,180	
50 percent exceeds	89	
90 percent exceeds	6.6	



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GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	12.54	4.73	4.61	12.66	11.04	14.65	7.11	---	---	---	---	---
2	11.54	4.70	5.25	14.64	10.94	14.66	8.39	---	---	---	---	---
3	11.02	4.69	6.11	14.85	10.73	15.02	9.75	---	---	---	---	---
4	11.11	4.67	6.37	14.88	10.70	15.56	10.74	---	---	---	---	---
5	10.89	4.63	6.38	14.66	10.94	15.81	11.16	---	---	---	---	---
6	11.03	4.60	6.26	14.30	11.13	15.59	11.58	---	---	---	---	---
7	11.35	4.57	5.87	14.08	10.91	14.84	11.82	---	---	---	---	---
8	11.47	4.54	5.44	14.01	10.17	13.33	11.52	---	---	---	---	---
9	10.86	4.53	5.40	14.43	9.22	11.11	10.65	---	---	---	---	---
10	8.78	4.52	7.62	16.97	9.41	9.37	9.61	---	---	---	---	---
11	6.60	4.51	9.75	18.32	15.05	8.60	12.44	---	---	---	---	---
12	5.63	4.50	9.09	18.15	16.34	8.29	16.92	---	---	---	---	---
13	5.32	4.46	8.30	18.10	17.06	8.17	---	---	---	---	---	---
14	5.17	4.44	7.84	18.46	17.33	8.24	---	---	---	---	---	---
15	5.07	4.44	7.96	19.11	17.38	8.41	---	---	---	---	---	---
16	5.01	4.45	8.46	19.32	17.47	8.69	---	---	---	---	---	---
17	4.94	4.47	9.47	19.14	17.45	8.82	---	---	---	---	---	---
18	4.88	4.48	9.99	18.98	17.29	8.54	---	---	---	---	---	---
19	4.85	4.50	9.83	18.63	17.03	7.96	---	---	---	---	---	---
20	5.66	4.54	9.54	18.19	16.63	7.40	---	---	---	---	---	---
21	6.39	4.58	9.16	17.79	16.10	7.05	---	---	---	---	---	---
22	6.26	4.64	9.24	17.39	15.45	6.84	---	---	---	---	---	---
23	5.75	4.61	9.58	16.92	14.45	6.69	---	---	---	---	---	---
24	5.39	4.59	9.82	16.33	13.41	6.55	---	---	---	---	---	---
25	5.25	4.56	9.78	15.55	13.04	6.40	---	---	---	---	---	---
26	5.18	4.60	11.50	14.50	13.70	6.24	---	---	---	---	---	---
27	5.07	4.81	10.88	13.07	14.41	6.10	---	---	---	---	---	---
28	4.96	4.81	10.39	11.46	14.60	6.05	---	---	---	---	---	---
29	4.86	4.71	10.76	10.21	---	6.06	---	---	---	---	---	---
30	4.80	4.66	10.93	10.53	---	6.12	---	---	---	---	---	---
31	4.76	---	11.35	11.51	---	6.21	---	---	---	---	---	---
Max	12.54	4.81	11.50	19.32	17.47	15.81	---	---	---	---	---	---
Min	4.76	4.44	4.61	10.21	9.22	6.05	---	---	---	---	---	---