

Bulletin, 161, Appendix 4: Streamflow data Santa Fe River above Cochiti

from:

Johnson P.S., Koning, D.J., Timmons, S.S., and Felix, B., 2016, Geology and Hydrology of Groundwater-Fed Springs and Wetlands at La Cienega, Santa Fe County, New Mexico: New Mexico Bureau of Geology and Mineral Resources Bulletin 161, 92p. <http://geoinfo.nmt.edu/publications/monographs/bulletins/161>

Data Repository:

<http://geoinfo.nmt.edu/repository/index.cfm?rid=20160001>
(data available in Excel and CSV formats)

Monthly and daily discharge data from USGS Station 08317200, Santa Fe River above Cochiti, show exceptionally high discharge for March, April, and May 2005 related to snowmelt runoff. Periodic observations during spring 2005 by P. Johnson and S. Timmons confirmed that the Santa Fe River flowed at state road 599 during this period. A surface-water sample (EB-595, report Figure 4) was collected from the Santa Fe River between state road 599 and the wastewater treatment plant (WWTP) on May 12, 2005, for analysis of ion and trace chemistry.

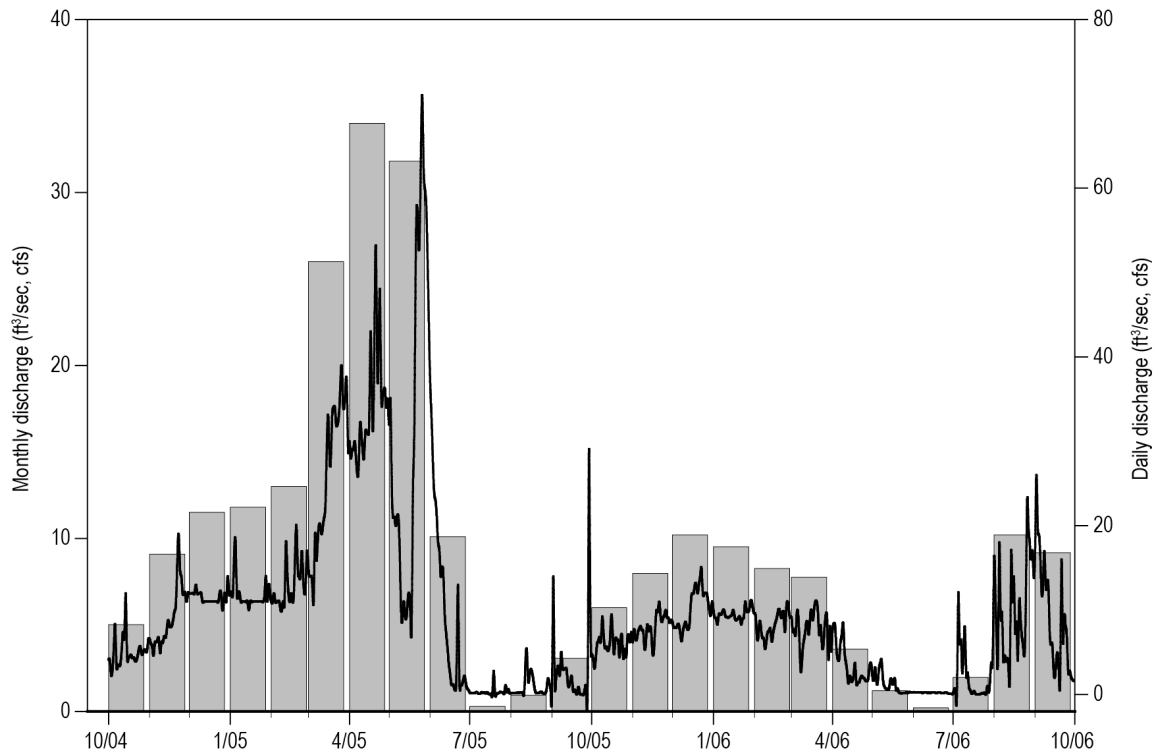


Figure 4.1 Monthly and daily discharge data.

This page intentionally left blank to avert any facing-page issues.

Monthly	
Date (m/yy)	Discharge (ft ³ /sec)
Oct-04	5.0
Nov-04	9.1
Dec-04	11.5
Jan-05	11.8
Feb-05	13.0
Mar-05	26.0
Apr-05	34.0
May-05	31.8
Jun-05	10.1
Jul-05	0.3
Aug-05	0.9
Sep-05	3.1
Oct-05	6.0
Nov-05	8.0
Dec-05	10.2
Jan-06	9.5
Feb-06	8.3
Mar-06	7.8
Apr-06	3.6
May-06	1.2
Jun-06	0.2
Jul-06	2.0
Aug-06	10.2
Sep-06	9.2
Oct-06	4.5
Nov-06	5.9
Dec-06	9.1

Daily							
Date	Discharge (ft ³ /sec)	Date	Discharge (ft ³ /sec)	Date	Discharge (ft ³ /sec)	Date	Discharge (ft ³ /sec)
10/1/04	4.1	11/25/04	14	1/19/05	11	3/15/05	30
10/2/04	4	11/26/04	12	1/20/05	11	3/16/05	33
10/3/04	2.3	11/27/04	12	1/21/05	11	3/17/05	28
10/4/04	3	11/28/04	12	1/22/05	11	3/18/05	28
10/5/04	5.5	11/29/04	11	1/23/05	11	3/19/05	33
10/6/04	8.3	11/30/04	12	1/24/05	11	3/20/05	34
10/7/04	3.6	12/1/04	12	1/25/05	11	3/21/05	34
10/8/04	3.4	12/2/04	12	1/26/05	11	3/22/05	32
10/9/04	3.4	12/3/04	12	1/27/05	12	3/23/05	32
10/10/04	3.6	12/4/04	12	1/28/05	14	3/24/05	33
10/11/04	5.4	12/5/04	12	1/29/05	11	3/25/05	36
10/12/04	7.4	12/6/04	13	1/30/05	13	3/26/05	39
10/13/04	6.9	12/7/04	12	1/31/05	12	3/27/05	35
10/14/04	12	12/8/04	12	2/1/05	11	3/28/05	34
10/15/04	4.9	12/9/04	12	2/2/05	11	3/29/05	36
10/16/04	4.4	12/10/04	12	2/3/05	12	3/30/05	37
10/17/04	4.4	12/11/04	11	2/4/05	11	3/31/05	29
10/18/04	4.7	12/12/04	11	2/5/05	11	4/1/05	30
10/19/04	4.3	12/13/04	11	2/6/05	11	4/2/05	28
10/20/04	4.4	12/14/04	11	2/7/05	11	4/3/05	29
10/21/04	4	12/15/04	11	2/8/05	10	4/4/05	29
10/22/04	4	12/16/04	11	2/9/05	10	4/5/05	30
10/23/04	4.6	12/17/04	11	2/10/05	11	4/6/05	28
10/24/04	5.4	12/18/04	11	2/11/05	11	4/7/05	26
10/25/04	5.7	12/19/04	11	2/12/05	18	4/8/05	27
10/26/04	4.8	12/20/04	11	2/13/05	15	4/9/05	32
10/27/04	4.9	12/21/04	11	2/14/05	12	4/10/05	31
10/28/04	5.3	12/22/04	11	2/15/05	11	4/11/05	29
10/29/04	5.2	12/23/04	11	2/16/05	12	4/12/05	28
10/30/04	5.1	12/24/04	12	2/17/05	11	4/13/05	31
10/31/04	6.4	12/25/04	12	2/18/05	12	4/14/05	31
11/1/04	6.6	12/26/04	10	2/19/05	17	4/15/05	31
11/2/04	6	12/27/04	11	2/20/05	20	4/16/05	33
11/3/04	5.7	12/28/04	12	2/21/05	15	4/17/05	43
11/4/04	4.6	12/29/04	11	2/22/05	14	4/18/05	35
11/5/04	6.1	12/30/04	14	2/23/05	14	4/19/05	32
11/6/04	6.2	12/31/04	12	2/24/05	17	4/20/05	44
11/7/04	6.5	1/1/05	12	2/25/05	14	4/21/05	53
11/8/04	6.6	1/2/05	12	2/26/05	12	4/22/05	39
11/9/04	4.9	1/3/05	12	2/27/05	13	4/23/05	40
11/10/04	6.2	1/4/05	17	2/28/05	17	4/24/05	48
11/11/04	6.1	1/5/05	18	3/1/05	15	4/25/05	36
11/12/04	6.9	1/6/05	12	3/2/05	14	4/26/05	35
11/13/04	6.7	1/7/05	12	3/3/05	14	4/27/05	36
11/14/04	7.6	1/8/05	12	3/4/05	13	4/28/05	36
11/15/04	8.8	1/9/05	11	3/5/05	11	4/29/05	34
11/16/04	8.2	1/10/05	11	3/6/05	19	4/30/05	35
11/17/04	8	1/11/05	11	3/7/05	16	5/1/05	32
11/18/04	8.2	1/12/05	11	3/8/05	18	5/2/05	35
11/19/04	9	1/13/05	11	3/9/05	20	5/3/05	25
11/20/04	9.9	1/14/05	11	3/10/05	20	5/4/05	21
11/21/04	11	1/15/05	10	3/11/05	19	5/5/05	21
11/22/04	16	1/16/05	11	3/12/05	20	5/6/05	20
11/23/04	19	1/17/05	11	3/13/05	21	5/7/05	21
11/24/04	15	1/18/05	11	3/14/05	23	5/8/05	21

Daily									
Date	Discharge (ft ³ /sec)	Date	Discharge (ft ³ /sec)	Date	Discharge (ft ³ /sec)	Date	Discharge (ft ³ /sec)	Date	Discharge (ft ³ /sec)
5/9/05	17	7/3/05	0.2	8/27/05	0.14	10/21/05	6.3	12/15/05	11
5/10/05	10	7/4/05	0.17	8/28/05	0.7	10/22/05	4.4	12/16/05	12
5/11/05	8.8	7/5/05	0.2	8/29/05	1.9	10/23/05	6.5	12/17/05	12
5/12/05	11	7/6/05	0.3	8/30/05	1.3	10/24/05	6.8	12/18/05	13
5/13/05	9.5	7/7/05	0.15	8/31/05	0.46	10/25/05	4.2	12/19/05	13
5/14/05	9.1	7/8/05	0.12	9/1/05	0.21	10/26/05	5.4	12/20/05	12
5/15/05	11	7/9/05	0.14	9/2/05	14	10/27/05	4.4	12/21/05	13
5/16/05	12	7/10/05	0.28	9/3/05	2.3	10/28/05	6.5	12/22/05	14
5/17/05	9.7	7/11/05	0.14	9/4/05	1.6	10/29/05	7	12/23/05	15
5/18/05	7.8	7/12/05	0.25	9/5/05	3	10/30/05	6.2	12/24/05	12
5/19/05	24	7/13/05	0.12	9/6/05	3.2	10/31/05	7.4	12/25/05	12
5/20/05	31	7/14/05	0.25	9/7/05	2.3	11/1/05	6.2	12/26/05	12
5/21/05	50	7/15/05	0.1	9/8/05	5	11/2/05	7.7	12/27/05	12
5/22/05	58	7/16/05	0.03	9/9/05	3.3	11/3/05	6.8	12/28/05	11
5/23/05	54	7/17/05	0.03	9/10/05	3	11/4/05	6.5	12/29/05	10
5/24/05	54	7/18/05	0.03	9/11/05	3	11/5/05	7.4	12/30/05	9.4
5/25/05	64	7/19/05	2.8	9/12/05	3	11/6/05	7.8	12/31/05	11
5/26/05	71	7/20/05	0.1	9/13/05	1.3	11/7/05	8.1	1/1/06	10
5/27/05	63	7/21/05	0.05	9/14/05	0.97	11/8/05	7.6	1/2/06	9.1
5/28/05	60	7/22/05	0.12	9/15/05	1.7	11/9/05	7.4	1/3/06	9
5/29/05	58	7/23/05	0.17	9/16/05	2.1	11/10/05	5.4	1/4/06	8.3
5/30/05	52	7/24/05	0.32	9/17/05	0.42	11/11/05	6.3	1/5/06	9.4
5/31/05	44	7/25/05	0.23	9/18/05	0.57	11/12/05	8.3	1/6/06	9.5
6/1/05	37	7/26/05	0.2	9/19/05	0.24	11/13/05	7.5	1/7/06	9.5
6/2/05	33	7/27/05	0.15	9/20/05	0.1	11/14/05	8	1/8/06	9.9
6/3/05	28	7/28/05	1.1	9/21/05	0.9	11/15/05	7.4	1/9/06	10
6/4/05	24	7/29/05	0.26	9/22/05	0.17	11/16/05	4.9	1/10/06	9.3
6/5/05	23	7/30/05	0.65	9/23/05	0	11/17/05	5.2	1/11/06	9.2
6/6/05	21	7/31/05	0.18	9/24/05	0	11/18/05	7.8	1/12/06	9.1
6/7/05	18	8/1/05	0.15	9/25/05	0	11/19/05	10	1/13/06	9.2
6/8/05	17	8/2/05	0.18	9/26/05	0.71	11/20/05	9.8	1/14/06	9.3
6/9/05	14	8/3/05	0.19	9/27/05	0	11/21/05	11	1/15/06	9.5
6/10/05	15	8/4/05	0.18	9/28/05	0	11/22/05	9.5	1/16/06	10
6/11/05	14	8/5/05	0.19	9/29/05	29	11/23/05	8.6	1/17/06	9.2
6/12/05	9.6	8/6/05	0.21	9/30/05	9.9	11/24/05	9.1	1/18/06	8.8
6/13/05	7.4	8/7/05	0.19	10/1/05	4.8	11/25/05	9.4	1/19/06	8.9
6/14/05	5.7	8/8/05	0.24	10/2/05	4.3	11/26/05	10	1/20/06	9.1
6/15/05	3.8	8/9/05	0.19	10/3/05	3.1	11/27/05	9.1	1/21/06	9.2
6/16/05	2.5	8/10/05	0.18	10/4/05	4	11/28/05	9.1	1/22/06	8.3
6/17/05	1.2	8/11/05	0.15	10/5/05	5.9	11/29/05	8.5	1/23/06	9
6/18/05	1.2	8/12/05	3.7	10/6/05	6.3	11/30/05	8.8	1/24/06	9.2
6/19/05	0.83	8/13/05	5.3	10/7/05	6.8	12/1/05	8.6	1/25/06	11
6/20/05	0.52	8/14/05	1.7	10/8/05	6.3	12/2/05	7.9	1/26/06	10
6/21/05	3.4	8/15/05	2.2	10/9/05	9.2	12/3/05	8	1/27/06	9.8
6/22/05	13	8/16/05	3	10/10/05	7.3	12/4/05	7.9	1/28/06	10
6/23/05	2.4	8/17/05	2.6	10/11/05	5.5	12/5/05	8.3	1/29/06	11
6/24/05	0.98	8/18/05	1.7	10/12/05	5.7	12/6/05	8.2	1/30/06	11
6/25/05	1.1	8/19/05	0.63	10/13/05	5.2	12/7/05	7.2	1/31/06	10
6/26/05	1.7	8/20/05	0.18	10/14/05	5.4	12/8/05	6.3	2/1/06	9.6
6/27/05	2.2	8/21/05	0.17	10/15/05	6.9	12/9/05	7.5	2/2/06	9.1
6/28/05	1.3	8/22/05	0.17	10/16/05	9.5	12/10/05	8.2	2/3/06	6.7
6/29/05	0.72	8/23/05	0.27	10/17/05	6.7	12/11/05	8.6	2/4/06	7
6/30/05	0.51	8/24/05	0.33	10/18/05	4.8	12/12/05	7.9	2/5/06	8.7
7/1/05	0.19	8/25/05	0.15	10/19/05	6.6	12/13/05	7.7	2/6/06	7.7
7/2/05	0.17	8/26/05	0.12	10/20/05	6.4	12/14/05	8.5	2/7/06	6.7

Daily									
Date	Discharge (ft ³ /sec)	Date	Discharge (ft ³ /sec)	Date	Discharge (ft ³ /sec)	Date	Discharge (ft ³ /sec)	Date	Discharge (ft ³ /sec)
2/8/06	6.6	4/4/06	5.3	5/29/06	0.31	7/23/06	0.14	9/16/06	2.1
2/9/06	5.4	4/5/06	4.2	5/30/06	0.26	7/24/06	0.13	9/17/06	3.9
2/10/06	6.3	4/6/06	4.2	5/31/06	0.26	7/25/06	0.19	9/18/06	4.9
2/11/06	7.4	4/7/06	6.2	6/1/06	0.28	7/26/06	0.04	9/19/06	2.6
2/12/06	7.5	4/8/06	7.1	6/2/06	0.26	7/27/06	1	9/20/06	2.1
2/13/06	7.8	4/9/06	8.5	6/3/06	0.27	7/28/06	0.24	9/21/06	16
2/14/06	6.3	4/10/06	5.3	6/4/06	0.25	7/29/06	1.6	9/22/06	6.5
2/15/06	7.1	4/11/06	3.9	6/5/06	0.24	7/30/06	3.8	9/23/06	9.3
2/16/06	8	4/12/06	2.7	6/6/06	0.23	7/31/06	4.5	9/24/06	8.2
2/17/06	8.6	4/13/06	1.3	6/7/06	0.21	8/1/06	16	9/25/06	6.9
2/18/06	9.2	4/14/06	2.2	6/8/06	0.2	8/2/06	12	9/26/06	2.7
2/19/06	10	4/15/06	1.6	6/9/06	0.21	8/3/06	6.2	9/27/06	2.8
2/20/06	10	4/16/06	1.6	6/10/06	0.22	8/4/06	4.3	9/28/06	2.2
2/21/06	9.2	4/17/06	2.4	6/11/06	0.21	8/5/06	18	9/29/06	1.8
2/22/06	9.3	4/18/06	3.7	6/12/06	0.2	8/6/06	9.4	9/30/06	1.6
2/23/06	9.7	4/19/06	1.3	6/13/06	0.21	8/7/06	9.8		
2/24/06	7.4	4/20/06	1.4	6/14/06	0.2	8/8/06	4.2		
2/25/06	10	4/21/06	1.4	6/15/06	0.21	8/9/06	4.6		
2/26/06	11	4/22/06	1.9	6/16/06	0.21	8/10/06	3.9		
2/27/06	10	4/23/06	2.2	6/17/06	0.21	8/11/06	4.3		
2/28/06	9.1	4/24/06	2	6/18/06	0.2	8/12/06	2.8		
3/1/06	9.1	4/25/06	1.9	6/19/06	0.2	8/13/06	2.5		
3/2/06	7.4	4/26/06	1.6	6/20/06	0.21	8/14/06	17		
3/3/06	7.7	4/27/06	1.6	6/21/06	0.21	8/15/06	11		
3/4/06	7	4/28/06	1.9	6/22/06	0.2	8/16/06	14		
3/5/06	9.6	4/29/06	3.3	6/23/06	0.2	8/17/06	7.3		
3/6/06	9.5	4/30/06	3.7	6/24/06	0.2	8/18/06	8.6		
3/7/06	6.3	5/1/06	2.4	6/25/06	0.21	8/19/06	4		
3/8/06	2.7	5/2/06	1.7	6/26/06	0.22	8/20/06	11		
3/9/06	4.2	5/3/06	3.2	6/27/06	0.16	8/21/06	9.1		
3/10/06	6.1	5/4/06	1.8	6/28/06	0.11	8/22/06	6.9		
3/11/06	7	5/5/06	1.3	6/29/06	0.1	8/23/06	5.6		
3/12/06	8.3	5/6/06	3	6/30/06	0.09	8/24/06	4.7		
3/13/06	8.5	5/7/06	3.7	7/1/06	0.09	8/25/06	11		
3/14/06	7.1	5/8/06	4.1	7/2/06	0.62	8/26/06	23		
3/15/06	9	5/9/06	2	7/3/06	0.07	8/27/06	20		
3/16/06	10	5/10/06	1	7/4/06	0.07	8/28/06	18		
3/17/06	8.8	5/11/06	0.74	7/5/06	12	8/29/06	16		
3/18/06	10	5/12/06	0.63	7/6/06	6.4	8/30/06	17		
3/19/06	11	5/13/06	0.57	7/7/06	6.5	8/31/06	14		
3/20/06	11	5/14/06	0.98	7/8/06	2.6	9/1/06	17		
3/21/06	9.6	5/15/06	1.9	7/9/06	5.3	9/2/06	26		
3/22/06	7	5/16/06	1.3	7/10/06	7.9	9/3/06	20		
3/23/06	8.2	5/17/06	1.4	7/11/06	2.4	9/4/06	19		
3/24/06	5.8	5/18/06	1.9	7/12/06	2.6	9/5/06	16		
3/25/06	5.8	5/19/06	0.53	7/13/06	0.98	9/6/06	12		
3/26/06	8	5/20/06	0.71	7/14/06	0.52	9/7/06	13		
3/27/06	9.5	5/21/06	0.29	7/15/06	0.11	9/8/06	17		
3/28/06	8.6	5/22/06	0.17	7/16/06	0.22	9/9/06	13		
3/29/06	4.1	5/23/06	0.13	7/17/06	0.39	9/10/06	13		
3/30/06	8.1	5/24/06	0.14	7/18/06	0.08	9/11/06	13		
3/31/06	5.1	5/25/06	0.15	7/19/06	0.04	9/12/06	7.7		
4/1/06	7.5	5/26/06	0.15	7/20/06	0.03	9/13/06	5.9		
4/2/06	8.4	5/27/06	0.28	7/21/06	0.03	9/14/06	5.9		
4/3/06	8	5/28/06	0.19	7/22/06	0.09	9/15/06	2.9		