

Water-Data Report 2010

**02146330 SUGAR CREEK AT ARROWOOD ROAD NEAR CHARLOTTE, NC**

Santee Basin  
Lower Catawba Subbasin

LOCATION.--Lat 35°08'23", long 80°54'40" referenced to North American Datum of 1983, Mecklenburg County, NC, Hydrologic Unit 03050103, on right bank at upstream side of Arrowood Rd, 7.3 mi southwest of city hall in Charlotte.

DRAINAGE AREA.--43.70 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 2007 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 560.05 ft above North American Vertical Datum of 1988. Radio telemetry at station.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 15.33 ft, August 27, 2008; minimum gage height, 0.43 ft, August 24, 2008.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 14.83 ft, January 25; minimum gage height, 0.54 ft, October 13.

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**GAGE HEIGHT, FEET**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.69	3.17	1.15	1.28	1.63	1.07	1.33	0.95	5.53	1.13	1.32	0.97
2	0.67	1.14	3.49	1.16	2.92	1.26	1.25	0.93	2.62	0.97	0.86	0.96
3	0.65	0.89	2.70	1.16	2.21	1.61	1.18	1.15	2.06	0.89	0.90	0.96
4	0.66	0.82	1.42	1.17	1.57	1.18	1.14	1.03	1.29	0.86	0.87	0.94
5	1.42	0.83	1.34	1.14	7.34	1.10	1.12	0.96	1.16	0.82	0.90	0.91
6	0.80	0.78	1.26	1.10	3.71	1.05	1.09	0.93	1.13	0.84	1.31	0.93
7	0.71	0.73	1.21	1.06	1.94	1.03	1.07	0.95	1.23	0.85	4.28	0.96
8	0.71	0.73	1.46	1.05	1.61	1.04	1.09	0.91	1.00	0.84	1.16	0.96
9	0.65	0.73	5.24	1.03	1.51	1.06	1.34	0.90	0.94	0.82	1.39	0.93
10	0.67	2.52	1.87	1.03	1.42	1.07	1.03	0.91	1.00	0.80	1.19	0.94
11	0.68	7.74	1.44	1.04	1.31	1.23	1.04	1.05	---	0.82	1.01	0.97
12	0.85	3.40	1.30	1.05	1.29	1.86	1.02	0.96	---	3.47	1.01	0.95
13	0.79	1.70	1.57	1.06	1.46	3.90	1.04	0.94	---	1.63	1.01	0.95
14	0.98	1.28	1.28	1.03	1.32	2.17	1.05	0.96	---	1.22	1.02	0.99
15	1.04	1.15	1.19	1.04	1.55	1.42	1.02	0.93	---	1.02	2.41	0.93
16	0.85	1.05	1.11	1.02	1.30	1.27	1.03	0.94	0.96	1.18	1.22	0.95
17	0.83	1.04	1.05	5.02	1.21	1.17	1.00	2.23	0.94	1.27	1.02	0.95
18	0.73	1.34	1.88	1.73	1.15	1.18	0.99	1.37	0.89	1.21	0.99	0.92
19	0.73	1.33	3.00	1.38	1.14	1.15	0.97	1.34	0.89	1.01	5.25	0.92
20	0.75	1.28	1.50	1.28	1.10	1.07	0.99	1.01	0.86	0.91	2.12	0.93
21	0.74	1.17	1.26	2.07	1.08	1.24	1.11	1.00	0.87	0.87	1.25	0.93
22	0.79	1.17	1.16	1.88	2.29	1.71	0.98	1.04	0.88	0.88	1.17	---
23	0.77	2.59	1.09	1.32	1.40	1.16	0.96	0.95	0.87	0.87	1.14	0.92
24	0.91	1.28	1.05	2.31	1.36	1.09	0.96	1.01	0.88	1.09	1.08	0.90
25	0.79	1.18	6.43	7.99	1.32	1.08	1.83	1.02	0.87	0.92	1.05	0.85
26	0.76	1.14	2.51	2.02	1.12	1.09	1.03	0.94	0.84	0.90	1.14	1.40
27	1.32	1.20	1.66	1.62	1.08	1.10	1.16	0.92	0.86	1.67	1.03	2.74
28	2.60	1.09	1.42	1.53	1.09	1.12	1.38	0.96	0.88	1.80	1.01	2.29
29	0.98	1.07	1.30	1.42	---	5.39	1.00	2.19	0.87	1.01	0.98	1.73
30	0.87	1.09	1.25	1.64	---	1.74	0.97	1.01	2.50	0.96	0.99	1.79
31	0.86	---	1.59	1.79	---	1.46	---	1.98	---	1.16	0.99	---
<b>Mean</b>	0.88	1.55	1.84	1.69	1.77	1.49	1.11	1.11	---	1.12	1.39	---
<b>Max</b>	2.60	7.74	6.43	7.99	7.34	5.39	1.83	2.23	---	3.47	5.25	---
<b>Min</b>	0.65	0.73	1.05	1.02	1.08	1.03	0.96	0.90	---	0.80	0.86	---

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