

SANTEE RIVER BASIN

0214655255 MCALPINE CREEK AT STATE ROAD 3150 NEAR IDLEWILD, NC

LOCATION.--Lat 35°10'33", long 80°43'09", North American Datum of 1983, Mecklenburg County, Hydrologic Unit 03050103, on left bank at upstream side of culvert on State Road 3120 (Idlewild Road), 1.5 mi above Irvins Creek, and 1.6 mi southeast of Idlewild.

DRAINAGE AREA.--7.52 mi².

PERIOD OF RECORD.--June 1999 to current year.

GAGE.--Water-stage recorder. Datum of gage is 613.19 ft above North American Vertical Datum of 1988. Radio telemetry at station.

REMARKS.--Records poor. No flow also occurred July 11, Aug. 13-14, 2002.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.19	0.80	0.93	1.3	3.0	1.4	21	0.97	0.64	0.55	0.38	14
2	0.24	0.88	0.77	1.5	1.5	28	5.0	0.83	0.56	0.83	1.0	3.3
3	0.16	0.84	0.79	2.7	1.2	25	3.5	1.7	0.51	0.27	1.2	1.8
4	0.37	0.78	0.73	3.0	1.2	6.7	2.7	7.5	0.57	0.28	0.15	1.1
5	0.09	0.86	0.78	1.3	1.1	3.5	2.1	2.6	0.58	0.88	0.19	0.76
6	2.3	0.76	0.75	19	2.3	2.8	1.9	1.3	3.2	0.76	0.23	0.66
7	0.62	0.66	0.78	6.1	20	2.5	1.8	1.0	1.6	0.30	0.16	0.55
8	0.24	0.66	0.83	2.1	11	2.1	1.7	0.96	0.46	0.04	0.10	0.43
9	0.13	0.74	0.80	1.2	4.1	2.0	2.1	0.89	0.36	0.01	0.02	0.41
10	0.10	0.88	16	1.1	3.5	2.4	2.7	0.95	0.31	0.00	0.02	0.38
11	0.11	1.0	12	0.91	3.1	1.9	1.8	1.4	0.30	0.00	0.01	0.26
12	0.27	1.1	2.5	0.74	2.7	5.8	1.7	0.94	0.31	0.01	0.01	0.17
13	0.24	1.0	1.6	1.6	2.3	7.9	1.8	9.7	0.29	0.06	0.00	0.13
14	3.2	0.81	1.2	0.92	2.1	4.2	1.5	3.6	0.16	7.5	0.00	0.41
15	1.5	0.67	1.0	0.79	2.1	3.0	1.4	1.6	0.20	2.0	0.04	17
16	0.52	0.63	0.88	0.69	2.0	3.0	1.4	1.2	0.15	1.0	2.7	12
17	1.1	0.60	2.2	0.74	2.0	15	1.2	1.0	0.18	0.69	15	2.3
18	0.69	0.71	5.5	0.68	1.9	7.1	1.1	3.0	0.24	0.34	3.1	1.5
19	0.38	0.75	1.6	44	1.7	4.0	1.1	1.3	1.6	0.18	1.5	1.1
20	0.42	0.84	0.96	21	1.9	4.3	1.0	1.1	0.12	0.09	1.1	0.90
21	0.45	0.71	0.75	9.4	2.0	14	0.97	0.93	0.06	0.12	0.77	0.69
22	0.52	0.52	0.70	3.9	1.8	5.9	0.94	0.90	0.03	0.14	0.72	0.57
23	0.46	0.49	0.72	61	1.8	3.6	0.90	1.00	0.06	0.07	1.0	0.51
24	0.57	2.0	1.1	9.2	1.7	3.1	0.87	0.94	0.04	3.3	1.2	0.47
25	7.2	0.83	0.93	20	1.6	2.8	1.1	0.85	0.14	2.2	1.8	0.51
26	1.4	0.92	0.88	4.4	1.7	4.7	0.82	0.82	2.7	0.73	2.3	4.8
27	1.0	0.83	0.88	2.3	1.7	4.3	0.81	0.80	1.5	0.69	5.0	2.8
28	0.90	0.86	0.96	1.8	1.5	2.9	0.80	0.79	1.3	0.36	11	2.0
29	0.82	0.78	1.1	1.4	---	3.0	0.79	0.55	0.71	0.53	5.6	1.0
30	0.81	0.75	1.5	1.1	---	4.0	0.74	7.6	0.46	0.34	5.0	0.84
31	0.80	---	1.6	1.4	---	21	---	1.6	---	0.29	e136	---
TOTAL	27.80	24.66	63.72	227.27	84.5	201.9	67.24	60.32	19.34	24.56	197.30	73.35
MEAN	0.897	0.822	2.055	7.331	3.018	6.513	2.241	1.946	0.645	0.792	6.365	2.445
MAX	7.2	2.0	16	61	20	28	21	9.7	3.2	7.5	136	17
MIN	0.09	0.49	0.70	0.68	1.1	1.4	0.74	0.55	0.03	0.00	0.00	0.13
CFSM	0.12	0.11	0.27	0.97	0.40	0.87	0.30	0.26	0.09	0.11	0.85	0.33
IN.	0.14	0.12	0.32	1.12	0.42	1.00	0.33	0.30	0.10	0.12	0.98	0.36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2002, BY WATER YEAR (WY)

	1999	2000	2001	2002	1999	2000	2001	2002	1999	2000	2001	2002
MEAN	3.385	2.224	2.112	6.496	6.435	10.26	4.859	1.942	1.998	2.659	2.685	4.509
MAX	8.81	3.05	2.58	9.20	11.9	18.9	9.09	2.52	3.68	4.06	6.36	7.59
(WY)	2000	2001	2000	2000	2000	2001	2000	2001	2001	2000	2002	2000
MIN	0.45	0.82	1.70	2.96	3.02	5.35	2.24	1.36	0.64	0.79	0.63	2.44
(WY)	2001	2002	2001	2001	2002	2000	2002	2000	2002	2002	2001	2002

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1999 - 2002

ANNUAL TOTAL	1365.93	1071.96	
ANNUAL MEAN	3.742	2.937	4.090
HIGHEST ANNUAL MEAN			5.47 2000
LOWEST ANNUAL MEAN			2.94 2002
HIGHEST DAILY MEAN	76 Mar 29	136 Aug 31	136 Aug 31 2002
LOWEST DAILY MEAN	0.01 Aug 29	0.00 Jul 10	0.00 Jul 10 2002
ANNUAL SEVEN-DAY MINIMUM	0.04 Sep 13	0.01 Aug 9	0.01 Aug 9 2002
MAXIMUM PEAK FLOW		NOT DETERMINED	NOT DETERMINED
MAXIMUM PEAK STAGE		6.34 Aug 31	6.34 Aug 31 2002
INSTANTANEOUS LOW FLOW		0.00* Jul 10	0.00* Jul 10 2002
ANNUAL RUNOFF (CFSM)	0.50	0.39	0.54
ANNUAL RUNOFF (INCHES)	6.76	5.30	7.39
10 PERCENT EXCEEDS	8.8	5.2	8.9
50 PERCENT EXCEEDS	1.3	1.0	1.4
90 PERCENT EXCEEDS	0.24	0.18	0.19

e Estimated.
* See REMARKS.

0214655255 MCALPINE CREEK AT STATE ROAD 3150 NEAR IDLEWILD, NC--Continued

