

02146300 IRWIN CREEK NEAR CHARLOTTE, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June to September 2003.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June to September 2003.

WATER TEMPERATURE: June to September 2003.

INSTRUMENTATION.--Water-quality monitor with radio telemetry.

REMARKS.--Station operated in cooperation with Mecklenburg County Land Use and Environmental Services Agency to characterize water-quality conditions in the Irwin Creek basin.

EXTREMES FOR CURRENT YEAR.--Extremes listed below may have been exceeded during periods of missing record.

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	303, September 21	43, August 4
WATER TEMPERATURE, °C	29.9, July 28	14.7, September 30

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
JUNE TO SEPTEMBER 2003

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	282	224	271	263	215	233	242	98	174
2	---	---	---	224	52	112	272	260	266	276	242	263
3	---	---	---	244	141	202	271	83	184	289	270	276
4	---	---	---	273	244	261	221	43	150	286	213	265
5	---	---	---	285	271	277	186	44	123	272	217	248
6	---	---	---	291	267	281	219	94	175	280	246	264
7	---	---	---	285	232	273	255	205	238	293	275	281
8	---	---	---	271	232	255	237	66	188	293	255	273
9	---	---	---	262	103	218	209	74	143	265	240	253
10	---	---	---	233	120	181	236	89	172	253	236	245
11	---	---	---	264	79	203	239	108	183	278	235	252
12	---	---	---	214	83	157	263	98	237	265	241	256
13	---	---	---	193	50	119	221	93	162	291	241	263
14	---	---	---	223	135	178	257	61	199	291	273	280
15	---	---	---	261	223	240	239	105	188	287	268	280
16	---	---	---	282	261	272	244	104	180	291	263	279
17	---	---	---	288	64	157	---	---	---	301	279	293
18	---	---	---	267	192	237	281	271	275	287	271	276
19	---	---	---	274	71	227	277	165	261	297	284	289
20	---	---	---	254	120	191	295	273	281	295	276	287
21	---	---	---	278	125	250	298	284	293	303	286	294
22	---	---	---	230	107	167	293	78	241	289	93	249
23	---	---	---	243	224	236	278	152	230	193	65	127
24	---	---	---	265	240	253	291	277	286	227	192	210
25	---	---	---	270	248	257	297	288	293	257	227	244
26	---	---	---	266	74	222	294	280	291	257	227	238
27	302	270	286	247	124	183	297	272	280	274	219	252
28	301	212	255	279	247	270	297	270	285	219	171	190
29	280	220	253	277	80	229	299	270	285	236	201	222
30	290	270	279	218	58	138	287	135	262	253	225	237
31	---	---	---	215	84	156	251	98	195	---	---	---
MONTH	---	---	---	291	50	215	---	---	---	303	65	252

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TEMPERATURE, WATER, DEGREES CELSIUS
JUNE TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	JUNE			JULY			AUGUST			SEPTEMBER		
				MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	24.2	21.5	23.0	25.5	23.4	24.3	28.3	24.0	25.5			
2	---	---	---	22.4	20.3	21.3	25.7	23.1	24.1	27.9	23.8	25.4			
3	---	---	---	25.3	21.0	22.9	26.9	23.4	24.8	27.7	23.9	25.5			
4	---	---	---	27.5	21.8	24.3	26.6	21.6	24.1	25.8	24.0	24.9			
5	---	---	---	28.3	23.3	25.3	24.9	21.5	22.8	26.1	22.2	23.7			
6	---	---	---	28.4	23.6	25.4	25.0	22.6	23.7	23.1	20.9	22.1			
7	---	---	---	28.1	23.8	25.2	26.7	22.6	24.2	22.6	20.0	21.2			
8	---	---	---	29.8	23.7	26.0	26.0	22.6	24.1	22.5	20.5	21.4			
9	---	---	---	29.6	24.6	26.2	26.4	22.9	24.3	24.4	20.6	22.0			
10	---	---	---	27.6	23.3	25.0	24.4	22.7	23.5	23.7	20.3	21.5			
11	---	---	---	28.7	23.5	25.0	25.6	22.0	23.8	24.0	19.2	20.9			
12	---	---	---	28.0	22.7	24.9	26.2	23.3	24.5	22.7	19.0	20.5			
13	---	---	---	24.4	21.5	22.9	27.4	23.4	24.8	25.1	19.1	21.5			
14	---	---	---	24.6	22.1	23.1	26.1	23.5	24.7	25.2	20.5	22.4			
15	---	---	---	26.7	22.2	24.1	26.2	23.6	24.7	25.5	21.0	22.8			
16	---	---	---	28.6	23.1	25.3	25.4	23.6	24.6	25.0	20.8	22.3			
17	---	---	---	26.2	23.4	24.8	---	---	---	23.7	18.6	20.5			
18	---	---	---	27.6	23.2	25.0	27.0	22.9	24.7	20.6	18.8	19.7			
19	---	---	---	26.8	23.4	24.7	26.7	23.8	24.9	24.3	18.6	20.7			
20	---	---	---	27.6	22.9	24.7	27.1	23.1	24.7	24.7	18.7	21.2			
21	---	---	---	28.4	23.7	25.5	27.9	23.4	25.2	23.9	19.3	21.3			
22	---	---	---	28.0	23.6	25.3	28.2	23.8	25.1	23.1	20.7	21.9			
23	---	---	---	24.6	22.6	23.6	28.2	23.1	25.0	23.9	21.0	22.3			
24	---	---	---	27.1	21.2	23.6	27.6	24.1	25.3	23.0	18.9	20.7			
25	---	---	---	26.3	21.9	23.8	27.7	22.8	24.8	23.7	18.8	20.7			
26	---	---	---	26.8	22.5	24.4	28.8	23.4	25.5	23.7	19.4	21.1			
27	27.2	22.8	24.6	28.5	23.2	25.3	29.6	24.2	26.3	24.2	19.7	21.5			
28	24.0	22.2	22.9	29.9	23.9	26.2	29.4	24.9	26.6	23.3	19.2	21.2			
29	27.3	21.5	23.9	28.3	24.1	25.6	29.2	25.3	26.7	20.1	16.4	17.8			
30	27.4	23.1	24.8	26.3	23.7	24.8	29.6	25.0	26.6	19.2	14.7	16.5			
31	---	---	---	26.0	23.4	24.6	26.5	24.6	25.7	---	---	---			
MONTH	---	---	---	29.9	20.3	24.6	---	---	---	28.3	14.7	21.7			