

02146507 LITTLE SUGAR CREEK AT ARCHDALE DRIVE AT CHARLOTTE, NC--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1999 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1999 to current year.

pH: April 1999 to September 2002.

WATER TEMPERATURE: April 1999 to current year.

DISSOLVED OXYGEN: April 1999 to September 2002.

DISSOLVED OXYGEN, PERCENT SATURATION: April 1999 to September 2002.

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

REMARKS.--Station operated in cooperation with Mecklenburg County Department of Environmental Protection to characterize water-quality conditions in Little Sugar Creek basin. Dissolved oxygen, percent saturation, computed using barometric pressure of 740 mm Hg.

EXTREMES FOR PERIOD OF DAILY RECORD.--Extremes listed below may have been exceeded during periods of missing record.

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	2560, April 24, 2000	27, September 24, 2001
pH, standard units	11.8, April 24, 2000	5.9, April 27, 1999
WATER TEMPERATURE, °C	32.0, July 30, 2002	2.5, January 30, 2000
DISSOLVED OXYGEN, mg/L	13.0, June 23, 1999	1.5, May 30, 2002
DISSOLVED OXYGEN, PERCENT SATURATION,%	159, June 26, 2000, July 16, 2001	18, May 30, 2002

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

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	2190, January 4	28, August 17
pH, standard units	8.7, February 22	6.5, November 25, 26
WATER TEMPERATURE, °C	32.0, July 30	3.0, January 6
DISSOLVED OXYGEN, mg/L	12.7, March 1	1.5, May 30
DISSOLVED OXYGEN, PERCENT SATURATION,%	141, April 19	18, May 30

SANTEE RIVER BASIN

02146507 LITTLE SUGAR CREEK AT ARCHDALE DRIVE AT CHARLOTTE, NC--Continued

SPECIFIC CONDUCTANCE, (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	484	401	458	593	469	564	560	468	521	419	375	398
2	501	440	475	596	218	437	521	429	488	434	362	403
3	591	468	524	496	339	430	508	431	480	870	406	460
4	598	499	553	557	456	497	522	425	478	2190	870	1470
5	602	522	562	537	448	510	606	487	560	1140	893	975
6	593	170	309	544	448	513	600	520	570	---	---	---
7	465	348	412	572	488	540	591	271	524	---	---	---
8	495	403	460	581	480	543	583	462	543	---	---	---
9	511	417	479	608	523	573	593	517	570	---	---	---
10	540	464	500	588	499	555	---	---	---	---	---	---
11	553	495	527	553	463	510	---	---	---	---	---	---
12	544	456	507	516	445	493	---	---	---	---	---	---
13	504	432	484	587	475	534	536	396	460	---	---	---
14	489	248	391	564	428	542	583	369	526	---	---	---
15	436	277	365	629	454	581	588	460	556	---	---	---
16	528	395	478	639	484	602	560	439	502	569	447	530
17	535	437	513	652	530	594	504	166	436	584	516	558
18	569	455	532	570	487	544	461	123	308	593	504	553
19	617	469	556	543	466	512	520	417	481	593	36	346
20	633	538	585	544	468	520	554	452	513	271	47	185
21	618	547	590	577	492	543	568	479	537	315	152	236
22	625	537	599	584	491	552	565	474	520	437	234	347
23	612	523	582	536	302	453	522	414	485	451	29	172
24	591	524	567	334	156	234	469	290	396	305	153	255
25	616	194	339	416	291	365	447	315	388	286	113	198
26	579	420	495	541	336	465	405	302	372	392	277	342
27	564	412	532	570	440	531	423	358	392	409	334	386
28	533	462	501	554	422	513	462	337	420	432	339	392
29	528	430	492	564	417	516	480	409	453	482	388	450
30	596	480	547	529	422	497	464	376	424	497	415	472
31	574	435	540	---	---	---	403	361	386	485	371	453
MONTH	633	170	499	652	156	509	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	479	353	434	528	455	500	303	115	211	528	343	429
2	477	389	447	520	69	326	416	244	356	538	326	470
3	452	380	423	235	99	161	431	242	388	535	306	418
4	469	343	413	362	234	287	454	307	416	435	121	219
5	500	321	457	452	345	394	506	302	446	366	198	295
6	515	191	429	484	320	429	503	357	455	500	320	413
7	193	112	155	442	351	416	448	386	419	532	403	485
8	324	138	232	439	335	415	452	345	414	518	386	469
9	372	274	336	458	379	430	503	371	460	529	420	482
10	376	204	285	439	353	415	508	346	444	519	417	472
11	378	218	320	452	363	427	536	456	507	452	270	371
12	391	221	361	462	150	324	538	382	485	467	386	432
13	397	344	372	318	194	248	489	331	447	---	---	---
14	486	397	447	419	287	371	478	378	454	---	---	---
15	500	413	467	457	366	423	474	332	444	---	---	---
16	462	374	428	466	345	438	505	351	470	632	412	570
17	416	352	389	460	138	268	523	385	486	624	438	546
18	443	318	403	317	184	259	508	382	481	535	197	325
19	462	348	441	366	248	336	513	387	489	480	296	413
20	495	401	453	378	267	336	503	411	485	534	381	468
21	507	362	473	307	122	200	494	410	459	569	426	521
22	498	363	455	384	202	328	492	384	452	585	454	547
23	484	392	451	415	335	391	523	424	485	621	507	577
24	463	369	437	425	346	397	525	424	494	604	515	557
25	477	384	442	431	351	402	506	334	418	543	477	517
26	495	410	471	443	313	402	553	410	504	516	445	482
27	533	438	505	430	329	385	553	463	527	488	354	463
28	521	464	501	445	372	415	518	424	483	---	---	---
29	---	---	---	422	344	400	537	368	483	---	---	---
30	---	---	---	414	264	326	544	387	516	---	---	---
31	---	---	---	300	115	218	---	---	---	---	---	---
MONTH	533	112	408	528	69	357	553	115	453	---	---	---

SANTEE RIVER BASIN

02146507 LITTLE SUGAR CREEK AT ARCHDALE DRIVE AT CHARLOTTE, NC--Continued

SPECIFIC CONDUCTANCE, (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	497	372	448	519	194	414	599	339	530	---	---	---
2	494	323	430	478	297	398	587	171	440	---	---	---
3	540	399	495	588	453	509	508	241	398	---	---	---
4	589	462	541	586	307	442	547	468	519	591	197	421
5	579	510	549	482	400	451	594	479	543	647	219	458
6	589	133	484	499	426	478	635	491	582	613	241	449
7	539	155	368	509	445	482	594	490	561	602	528	566
8	569	424	530	574	429	512	654	525	615	592	507	556
9	592	491	556	581	498	551	648	487	620	631	507	573
10	628	443	581	584	454	544	688	582	645	658	547	631
11	694	454	615	598	467	556	661	535	619	627	553	592
12	699	494	644	640	495	593	690	553	627	660	548	616
13	626	545	598	---	---	---	792	621	715	693	593	655
14	698	504	649	---	---	---	804	652	753	661	133	554
15	699	569	631	---	---	---	724	196	587	295	96	184
16	607	508	570	---	---	---	416	35	266	399	101	240
17	623	482	553	570	482	540	308	28	162	449	125	336
18	651	546	614	605	532	577	487	148	345	489	346	454
19	638	550	608	587	521	560	515	381	462	540	342	496
20	609	549	586	588	514	560	611	403	524	555	404	521
21	641	555	596	584	512	546	638	464	595	582	482	551
22	670	576	636	555	449	520	639	472	595	550	455	520
23	653	601	626	586	386	538	608	358	525	568	444	514
24	640	553	622	596	170	499	571	191	479	655	524	612
25	647	547	625	477	127	286	418	160	286	660	569	619
26	626	177	394	462	258	380	458	172	336	657	145	302
27	543	320	456	582	416	510	482	205	343	366	264	311
28	562	447	532	611	509	579	529	190	372	478	283	394
29	568	402	524	590	507	552	545	353	453	549	425	497
30	546	296	462	594	496	569	577	484	538	578	406	536
31	---	---	---	611	563	595	---	---	---	---	---	---
MONTH	699	133	551	---	---	---	---	---	---	---	---	---

PH, WATER, WHOLE, FIELD STANDARD UNITS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.7	7.2	7.3	7.9	7.5	7.6	7.5	7.3	7.4	7.1	6.8	6.9
2	7.9	7.2	7.4	7.7	7.3	7.5	7.4	7.2	7.3	7.1	6.8	7.0
3	7.8	7.3	7.5	7.6	7.3	7.5	7.5	7.2	7.4	7.3	7.0	7.2
4	8.0	7.3	7.5	7.7	7.5	7.6	7.6	7.2	7.3	7.2	7.0	7.1
5	8.0	7.3	7.5	7.7	7.4	7.6	7.6	7.3	7.4	7.4	7.1	7.3
6	7.4	7.0	7.1	7.8	7.4	7.6	7.8	7.4	7.5	7.3	6.9	7.1
7	7.3	7.2	7.3	7.7	7.5	7.6	8.0	7.5	7.6	7.2	6.9	7.1
8	7.4	7.2	7.3	8.0	7.5	7.8	7.8	7.5	7.6	7.4	7.2	7.3
9	7.6	7.2	7.4	7.9	7.6	7.7	7.8	7.5	7.6	7.5	7.3	7.4
10	7.6	7.2	7.4	7.8	7.5	7.6	7.6	7.1	7.4	7.5	7.4	7.4
11	7.6	7.2	7.4	7.7	7.3	7.5	7.3	7.0	7.2	7.5	7.4	7.4
12	7.7	7.3	7.5	7.7	7.2	7.4	7.4	7.2	7.3	7.5	7.3	7.4
13	7.7	7.3	7.5	7.5	7.2	7.4	7.6	7.3	7.5	7.4	7.1	7.3
14	7.6	7.1	7.3	7.7	7.2	7.4	7.7	7.5	7.6	7.3	7.1	7.2
15	7.6	7.1	7.3	7.5	7.2	7.3	7.9	7.6	7.7	7.8	7.3	7.5
16	7.7	7.3	7.5	7.5	7.1	7.3	8.0	7.8	7.9	7.9	7.7	7.8
17	7.8	7.4	7.6	7.5	7.0	7.2	7.9	7.4	7.8	7.9	7.6	7.8
18	7.7	7.4	7.5	7.5	7.0	7.1	7.8	7.4	7.7	8.0	7.7	7.8
19	8.0	7.4	7.7	7.3	7.0	7.1	7.9	7.7	7.8	7.9	7.4	7.7
20	8.1	7.7	7.9	7.4	7.0	7.2	7.8	7.6	7.7	7.6	7.3	7.5
21	8.0	7.7	7.8	7.5	7.1	7.3	7.8	7.6	7.7	7.8	7.4	7.7
22	8.0	7.6	7.8	7.5	7.0	7.2	7.8	7.5	7.7	7.8	7.5	7.7
23	8.0	7.6	7.7	7.4	6.7	7.0	7.6	7.2	7.4	7.5	7.1	7.3
24	8.0	7.4	7.6	7.0	6.6	6.7	7.6	6.7	7.3	7.5	7.2	7.3
25	7.7	7.4	7.5	6.8	6.5	6.7	7.5	6.6	7.2	7.5	7.3	7.4
26	7.6	7.4	7.6	7.0	6.5	6.8	7.5	6.7	7.0	7.6	7.4	7.5
27	7.6	7.4	7.5	7.3	7.0	7.1	7.1	6.7	6.9	7.5	7.3	7.4
28	7.6	7.4	7.5	7.4	7.1	7.3	7.2	6.7	6.9	7.6	7.3	7.5
29	7.6	7.4	7.4	7.5	7.2	7.3	7.1	6.7	6.9	7.6	7.4	7.6
30	7.7	7.3	7.5	7.4	7.2	7.3	7.0	6.6	6.8	7.8	7.6	7.7
31	7.8	7.4	7.5	---	---	---	7.0	6.6	6.8	7.8	7.6	7.7
MONTH	8.1	7.0	7.5	8.0	6.5	7.3	8.0	6.6	7.4	8.0	6.8	7.4

SANTEE RIVER BASIN

02146507 LITTLE SUGAR CREEK AT ARCHDALE DRIVE AT CHARLOTTE, NC--Continued

PH, WATER, WHOLE, FIELD STANDARD UNITS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	7.8	7.6	7.7	8.2	7.5	7.7	7.5	7.3	7.4	7.6	7.2	7.4
2	7.7	7.4	7.6	7.6	6.7	7.3	7.6	7.4	7.5	7.6	7.1	7.3
3	7.6	7.4	7.4	7.0	6.6	6.8	7.9	7.4	7.6	7.4	7.1	7.3
4	7.7	7.3	7.5	7.2	6.8	7.0	7.8	7.4	7.6	7.3	7.0	7.1
5	7.8	7.5	7.6	7.3	7.1	7.2	7.9	7.4	7.6	7.0	6.8	6.9
6	7.9	7.5	7.7	7.5	7.1	7.2	8.1	7.4	7.6	7.1	6.8	7.0
7	7.7	7.5	7.6	7.5	7.0	7.2	8.0	7.2	7.4	7.6	7.0	7.3
8	7.6	7.5	7.6	7.6	6.9	7.2	8.2	7.2	7.5	7.6	7.2	7.3
9	7.7	7.3	7.5	7.7	7.1	7.3	8.2	7.4	7.7	7.7	7.2	7.4
10	7.6	7.2	7.4	8.1	7.1	7.3	8.0	7.5	7.7	7.9	7.4	7.6
11	7.5	7.2	7.3	8.0	7.0	7.4	8.3	7.5	7.8	7.7	7.4	7.5
12	7.8	7.3	7.4	7.9	7.2	7.5	8.0	7.7	7.8	7.6	7.2	7.4
13	7.6	7.3	7.4	7.7	7.1	7.4	8.1	7.5	7.7	7.8	7.1	7.4
14	7.5	7.3	7.4	7.7	7.2	7.3	8.0	7.3	7.6	7.6	7.2	7.3
15	7.6	7.2	7.4	8.0	7.2	7.4	8.2	7.3	7.6	7.7	7.3	7.5
16	7.5	7.1	7.2	8.1	7.3	7.6	8.3	7.4	7.6	7.6	7.3	7.4
17	7.6	7.0	7.2	7.7	7.2	7.4	8.2	7.3	7.6	7.8	7.4	7.5
18	7.6	6.9	7.2	7.8	7.3	7.5	8.2	7.4	7.6	7.4	7.2	7.4
19	8.2	7.4	7.7	7.9	7.5	7.7	8.1	7.3	7.6	7.6	7.4	7.5
20	8.0	7.5	7.7	8.0	7.6	7.8	8.1	7.2	7.5	7.8	7.4	7.5
21	8.2	7.5	7.8	7.6	7.5	7.6	8.5	7.2	7.6	7.9	7.4	7.6
22	8.7	7.6	7.9	7.9	7.6	7.8	8.4	7.1	7.7	7.8	7.5	7.6
23	8.2	7.5	7.8	8.0	7.8	7.8	8.6	7.5	7.8	7.8	7.4	7.6
24	8.2	7.4	7.6	8.0	7.7	7.8	8.3	7.4	7.8	7.8	7.3	7.6
25	8.1	7.3	7.6	8.0	7.6	7.8	7.8	7.3	7.5	7.7	7.1	7.4
26	8.6	7.4	7.7	8.1	7.6	7.8	7.9	7.4	7.6	7.7	7.0	7.3
27	8.4	7.6	7.9	7.9	7.6	7.7	8.0	7.3	7.6	7.6	7.0	7.2
28	8.2	7.5	7.8	8.1	7.6	7.8	7.7	7.1	7.4	---	---	---
29	---	---	---	8.0	7.5	7.7	7.9	7.1	7.4	---	---	---
30	---	---	---	7.8	7.5	7.6	8.1	7.3	7.6	8.0	6.9	7.5
31	---	---	---	7.6	7.4	7.5	---	---	---	7.2	6.9	7.1
MONTH	8.7	6.9	7.6	8.2	6.6	7.5	8.6	7.1	7.6	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	7.4	7.2	7.2	7.3	6.8	7.1	8.0	7.4	7.6	7.2	7.0	7.1
2	7.4	7.2	7.3	7.1	6.8	7.0	7.8	7.0	7.4	7.1	6.9	7.0
3	7.7	7.2	7.4	7.4	6.8	7.0	7.4	7.0	7.2	7.4	6.9	7.1
4	8.0	7.3	7.5	7.5	6.8	7.1	7.5	7.2	7.3	7.6	7.3	7.5
5	8.1	7.4	7.6	7.2	6.7	7.0	7.7	7.2	7.3	7.8	7.5	7.6
6	8.1	7.0	7.6	7.3	6.8	7.0	8.0	7.3	7.5	7.8	7.5	7.6
7	7.5	7.0	7.3	7.3	6.8	7.0	8.0	7.4	7.6	7.8	7.5	7.6
8	7.6	7.3	7.4	7.5	6.9	7.1	8.1	7.5	7.7	7.8	7.4	7.6
9	7.7	7.3	7.5	7.7	7.2	7.4	8.0	7.5	7.7	7.9	7.5	7.6
10	7.8	7.3	7.5	7.5	7.3	7.4	7.9	7.3	7.5	8.0	7.6	7.7
11	8.1	7.4	7.6	7.6	7.4	7.5	7.8	7.1	7.4	7.9	7.5	7.7
12	8.0	7.3	7.5	7.8	7.4	7.6	7.6	7.1	7.2	8.0	7.5	7.7
13	8.0	7.3	7.5	7.8	7.1	7.5	7.7	7.1	7.3	8.0	7.6	7.7
14	7.9	7.3	7.5	7.2	6.9	7.1	7.6	7.1	7.3	7.7	7.2	7.6
15	8.2	7.0	7.5	7.4	7.2	7.3	7.9	7.1	7.3	7.4	7.0	7.2
16	7.6	6.8	7.1	7.6	7.3	7.4	7.3	6.9	7.1	7.4	6.8	7.1
17	7.6	6.8	7.1	7.6	7.3	7.5	7.2	6.7	7.0	7.6	7.2	7.4
18	7.9	7.0	7.4	7.8	7.5	7.6	7.3	6.9	7.2	7.7	7.4	7.5
19	7.8	7.3	7.5	7.9	7.4	7.6	7.6	7.2	7.4	7.9	7.0	7.6
20	7.8	7.2	7.5	7.9	7.4	7.6	7.7	7.3	7.5	8.0	7.2	7.7
21	7.7	7.2	7.4	7.8	7.3	7.5	7.7	7.3	7.5	8.0	7.3	7.7
22	7.7	7.3	7.5	7.8	7.3	7.4	7.9	7.3	7.6	7.8	7.4	7.5
23	7.7	7.3	7.5	7.7	7.2	7.4	7.8	7.3	7.5	7.8	7.4	7.6
24	7.7	7.3	7.5	7.8	7.0	7.5	7.7	6.9	7.4	8.0	7.5	7.7
25	8.0	7.3	7.6	7.4	6.8	7.2	7.3	6.8	7.0	7.8	7.5	7.6
26	7.5	7.2	7.4	7.4	7.1	7.3	7.3	6.9	7.1	7.6	7.4	7.5
27	7.6	7.4	7.5	7.5	7.3	7.4	7.4	7.1	7.3	7.4	7.2	7.3
28	7.7	7.2	7.5	7.8	7.5	7.6	7.4	7.3	7.4	7.4	7.2	7.3
29	7.6	7.1	7.3	7.8	7.4	7.5	7.5	7.3	7.4	7.4	7.3	7.3
30	7.5	7.0	7.2	8.1	7.4	7.6	7.5	7.3	7.4	7.6	7.3	7.4
31	---	---	---	8.2	7.4	7.7	7.4	6.8	7.1	---	---	---
MONTH	8.2	6.8	7.4	8.2	6.7	7.4	8.1	6.7	7.4	8.0	6.8	7.5

SANTEE RIVER BASIN

02146507 LITTLE SUGAR CREEK AT ARCHDALE DRIVE AT CHARLOTTE, NC--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	24.9	20.4	23.2	22.5	17.6	20.9	21.8	19.2	20.6	15.3	11.3	13.5
2	25.9	21.7	23.8	22.1	16.9	19.9	21.2	18.1	19.8	13.6	10.1	12.7
3	26.0	22.4	24.3	22.7	19.4	21.2	20.5	16.8	19.1	12.9	6.8	10.3
4	26.2	22.7	24.5	22.5	19.9	21.3	20.1	16.0	18.7	11.4	5.7	8.8
5	26.0	23.1	24.6	21.8	18.9	20.4	20.7	15.9	18.8	12.9	6.4	10.6
6	24.8	20.0	21.6	21.4	18.0	19.9	21.1	17.5	19.5	12.0	3.0	7.7
7	23.6	19.4	21.6	22.1	17.5	20.0	21.7	15.3	19.7	10.9	5.1	8.8
8	23.7	19.9	22.1	20.9	17.6	19.5	21.3	19.0	20.2	12.4	6.3	10.8
9	23.8	19.5	22.0	21.6	18.4	20.1	20.1	18.6	19.4	13.7	9.5	12.1
10	24.1	20.5	22.5	21.3	18.0	19.9	18.8	9.4	15.5	15.3	9.4	13.6
11	24.6	21.7	23.4	21.4	18.1	19.9	15.9	9.9	12.8	16.3	11.5	14.8
12	24.7	22.6	23.8	21.0	17.5	19.6	18.6	15.2	16.7	14.8	11.2	13.6
13	24.9	22.0	23.8	21.2	17.0	19.0	18.5	16.1	17.6	13.5	8.5	11.5
14	24.1	21.3	22.8	20.6	14.4	19.2	20.0	16.3	18.9	13.8	9.6	12.7
15	23.9	20.1	22.1	20.7	15.8	19.5	20.0	17.1	18.9	15.4	10.9	13.6
16	24.3	20.6	22.6	21.0	15.7	19.6	18.8	15.7	17.8	14.8	10.7	13.7
17	23.6	19.0	22.0	21.4	18.3	20.0	19.4	14.5	17.8	15.5	11.5	14.0
18	23.6	18.2	21.7	21.1	18.2	19.7	17.4	13.2	16.0	16.2	13.2	14.8
19	23.2	18.4	21.6	21.2	17.9	19.8	18.1	14.8	16.9	15.2	5.3	10.4
20	23.8	20.1	21.9	20.8	18.2	19.8	17.8	15.0	16.6	10.4	6.0	8.3
21	24.0	20.6	22.5	20.1	16.8	18.7	17.5	14.0	16.1	11.4	7.6	9.4
22	24.7	21.2	23.2	20.1	16.1	18.3	17.0	13.1	15.3	13.1	7.6	11.2
23	25.2	22.3	23.7	19.7	15.0	18.1	16.8	12.5	15.6	13.1	7.2	9.1
24	25.3	22.2	24.0	18.5	13.9	16.1	16.7	11.7	15.2	13.1	9.9	11.9
25	24.3	19.4	21.3	20.6	17.9	19.4	16.4	11.1	14.7	12.6	11.1	12.0
26	22.9	19.4	21.4	21.4	18.1	20.2	16.5	10.4	14.2	13.2	9.3	11.5
27	21.7	16.8	20.5	22.0	18.6	20.8	16.1	11.4	13.8	13.9	9.5	12.2
28	21.9	18.2	20.0	21.8	18.3	20.6	15.3	8.9	13.8	15.5	12.1	14.1
29	21.8	16.7	19.8	22.2	18.8	21.2	16.6	12.5	14.8	16.6	12.6	15.0
30	22.0	17.5	20.0	21.7	19.9	21.1	15.9	11.2	14.3	18.1	14.9	16.5
31	22.0	16.1	20.4	---	---	---	15.1	12.0	13.9	18.4	15.9	17.1
MONTH	26.2	16.1	22.3	22.7	13.9	19.8	21.8	8.9	16.9	18.4	3.0	12.1
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	18.6	16.7	17.7	15.8	11.0	13.5	19.7	14.8	17.2	22.9	19.9	21.9
2	17.2	13.6	15.6	13.9	8.7	11.3	20.4	14.7	18.2	25.2	21.4	23.5
3	14.7	12.4	13.8	12.0	9.2	10.6	22.3	17.5	19.8	23.7	21.9	22.7
4	14.1	10.4	12.9	12.6	9.4	11.0	20.1	15.4	18.3	21.9	16.8	18.2
5	13.9	6.4	12.2	13.8	8.8	11.6	20.0	14.1	17.8	22.1	16.7	19.5
6	13.5	7.4	11.4	15.2	8.1	12.8	19.6	15.1	17.6	23.6	18.8	21.5
7	8.9	6.4	7.8	16.4	10.2	14.1	19.3	14.4	17.1	25.2	20.5	23.1
8	12.7	6.9	10.1	17.4	11.4	15.3	19.9	15.4	18.0	26.1	22.8	24.3
9	13.9	8.9	12.2	18.0	15.0	16.7	19.9	17.5	19.0	26.3	23.4	24.7
10	13.4	10.2	12.1	17.7	14.3	16.1	21.6	17.9	19.6	25.8	23.1	24.5
11	14.8	10.2	13.2	17.0	12.0	14.9	22.5	18.8	20.6	23.9	21.4	22.8
12	15.0	10.4	13.1	15.2	11.6	13.5	20.4	18.6	19.5	25.2	21.8	23.4
13	15.0	11.8	13.5	14.1	12.2	13.2	21.0	18.0	19.7	25.6	22.3	23.6
14	15.5	11.8	13.7	18.0	12.9	15.8	22.1	18.8	20.5	23.7	20.0	22.0
15	15.9	11.9	14.1	20.0	16.1	18.0	23.4	19.4	21.5	24.8	19.8	22.5
16	16.6	12.0	14.6	20.0	16.6	18.5	24.7	20.3	22.4	25.2	19.8	23.2
17	15.4	11.9	13.7	18.6	14.6	16.5	24.8	21.3	22.9	25.9	21.3	24.0
18	15.0	8.9	13.0	16.5	13.0	15.0	25.2	21.5	23.3	24.2	20.4	22.1
19	15.3	9.2	13.5	17.2	13.6	16.0	25.3	21.9	23.5	23.1	18.1	21.0
20	16.0	12.7	14.8	17.5	14.6	16.3	25.2	22.4	23.5	23.6	18.4	21.4
21	18.0	13.3	16.1	16.6	14.3	15.3	25.6	22.0	23.5	22.5	19.2	21.2
22	16.8	12.2	15.2	16.6	11.2	14.6	24.5	21.7	23.0	23.3	18.2	21.3
23	15.7	12.7	14.7	16.7	11.3	14.6	23.8	19.6	21.7	24.3	19.3	22.1
24	16.3	11.5	14.3	17.9	12.4	15.5	23.3	18.6	21.2	25.1	20.0	22.8
25	16.4	11.4	14.5	19.5	14.5	17.3	23.3	19.7	21.6	25.5	21.3	23.4
26	17.4	12.7	15.4	19.8	16.7	18.4	22.1	18.7	20.9	25.6	21.7	23.6
27	15.9	12.3	14.4	20.6	16.7	18.5	23.0	19.4	21.3	25.9	21.8	23.9
28	15.3	10.9	13.3	18.6	14.9	16.9	23.5	20.8	22.1	---	---	---
29	---	---	---	19.7	15.1	17.4	24.5	20.7	22.6	---	---	---
30	---	---	---	18.0	16.5	17.4	23.9	19.0	22.0	25.8	22.4	24.3
31	---	---	---	18.6	16.1	17.3	---	---	---	26.2	22.6	24.4
MONTH	18.6	6.4	13.6	20.6	8.1	15.3	25.6	14.1	20.7	---	---	---

02146507 LITTLE SUGAR CREEK AT ARCHDALE DRIVE AT CHARLOTTE, NC--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	27.7	23.9	25.6	29.1	25.0	27.1	31.0	27.7	29.4	24.4	21.8	23.1
2	27.6	24.4	26.0	29.5	25.5	27.4	30.7	26.5	28.8	26.9	23.1	25.3
3	28.2	24.9	26.2	30.1	26.4	27.9	30.4	25.8	28.1	28.4	24.4	26.6
4	28.8	25.0	26.6	29.6	26.1	27.6	30.8	27.2	28.9	29.5	25.1	27.5
5	28.8	25.6	27.0	29.4	26.1	27.8	31.1	27.6	29.3	29.5	26.5	27.9
6	28.0	24.8	26.5	29.6	27.0	28.0	31.3	28.1	29.6	28.9	25.5	27.2
7	27.1	24.4	25.7	29.1	26.4	27.6	30.5	26.8	28.8	29.0	26.0	27.4
8	27.3	23.6	25.4	29.3	25.5	27.6	30.6	26.2	28.7	29.0	25.6	27.2
9	27.5	23.4	25.4	29.9	26.3	28.1	30.7	25.3	28.6	29.0	25.5	27.4
10	27.7	22.8	25.7	29.8	27.0	28.5	30.9	26.9	29.0	29.3	25.4	27.6
11	28.3	23.6	26.4	28.2	27.0	27.7	30.4	26.9	28.7	29.4	25.9	27.7
12	28.7	24.3	26.8	27.9	25.4	27.2	30.5	27.0	28.9	28.8	26.0	27.4
13	28.8	25.5	27.1	28.6	24.8	27.3	30.7	27.2	29.1	28.6	26.0	27.4
14	28.4	25.7	27.0	26.7	24.1	25.5	30.3	27.8	29.1	27.9	23.9	27.0
15	28.8	25.2	26.8	28.6	25.3	27.0	30.4	26.2	28.6	25.1	23.4	24.1
16	27.7	23.9	26.0	30.4	26.4	28.2	29.4	25.0	27.3	26.8	23.6	25.2
17	27.6	24.3	26.1	30.2	27.0	28.5	28.5	24.7	26.5	27.3	24.1	26.1
18	27.6	24.8	26.4	30.5	27.6	28.9	29.6	25.9	27.8	27.5	25.6	26.9
19	28.4	25.2	26.9	30.9	27.7	29.1	30.5	27.0	28.6	28.1	24.8	27.0
20	28.7	25.7	27.0	30.5	27.8	28.9	30.7	26.7	28.9	27.9	25.7	27.3
21	28.2	25.4	26.8	30.8	27.5	29.1	31.0	27.1	29.4	28.8	25.8	27.4
22	27.8	25.4	26.7	30.8	27.2	29.0	31.2	27.6	29.6	28.7	26.0	27.3
23	28.2	25.8	27.0	30.6	27.0	28.8	31.4	28.1	29.7	28.0	25.6	26.9
24	28.7	25.4	27.2	30.9	26.7	28.9	31.7	28.0	29.6	27.7	25.0	26.6
25	29.2	26.1	27.8	29.0	26.1	27.3	30.3	26.9	28.1	26.6	25.4	26.1
26	27.5	25.8	26.7	30.3	26.2	28.4	29.0	26.2	27.7	26.1	20.7	22.5
27	29.4	25.4	27.5	31.2	27.8	29.5	27.5	25.1	26.5	25.5	22.9	24.4
28	28.8	26.1	27.6	31.4	28.2	29.8	27.1	23.9	25.7	26.4	23.7	25.2
29	29.0	26.2	27.6	31.4	28.4	29.8	27.6	25.0	26.4	26.9	24.7	25.9
30	29.1	25.5	27.2	32.0	28.3	30.0	27.3	26.2	26.9	27.5	23.6	26.0
31	---	---	---	31.7	28.6	29.9	26.8	21.1	23.1	---	---	---
MONTH	29.4	22.8	26.6	32.0	24.1	28.3	31.7	21.1	28.2	29.5	20.7	26.4

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.9	6.6	7.3	8.3	6.4	7.0	7.8	6.5	7.0	9.9	8.2	8.7
2	9.1	6.3	7.2	8.1	5.8	6.7	8.1	6.8	7.3	9.4	8.4	8.8
3	8.9	6.2	7.1	6.8	5.6	6.1	8.6	7.1	7.6	10.3	8.4	9.3
4	9.3	6.1	7.1	7.9	6.0	6.8	8.8	7.5	7.9	9.9	8.8	9.3
5	8.9	6.1	7.0	8.0	6.6	7.1	9.0	7.4	8.0	9.3	8.0	8.7
6	---	---	---	8.3	7.0	7.4	8.8	7.2	7.8	---	---	---
7	---	---	---	8.1	6.9	7.3	10.2	7.2	7.9	---	---	---
8	---	---	---	8.6	6.9	7.4	9.5	7.0	7.8	---	---	---
9	---	---	---	8.6	6.8	7.4	9.2	7.1	7.8	---	---	---
10	9.4	7.2	7.9	8.5	6.8	7.4	---	---	---	---	---	---
11	9.3	7.0	7.8	8.6	6.7	7.3	---	---	---	---	---	---
12	9.7	7.0	7.9	8.9	6.8	7.4	---	---	---	---	---	---
13	9.5	7.2	8.0	8.5	7.0	7.5	8.0	7.4	7.7	---	---	---
14	8.6	6.6	7.2	9.3	6.8	7.5	7.6	7.1	7.4	---	---	---
15	8.5	6.7	7.3	8.8	6.7	7.4	7.8	7.0	7.4	---	---	---
16	8.5	6.6	7.2	9.0	6.8	7.5	8.4	7.4	7.7	10.2	8.5	9.1
17	8.9	6.7	7.3	9.6	6.8	7.5	8.2	7.3	7.7	10.4	8.6	9.1
18	8.2	6.4	7.0	9.3	6.8	7.5	7.9	7.3	7.6	10.5	8.4	9.0
19	8.4	6.5	7.1	8.8	6.6	7.3	8.1	7.4	7.7	11.1	8.3	9.3
20	9.1	6.7	7.4	8.3	6.4	7.0	8.3	7.6	7.9	10.2	3.3	6.5
21	9.2	6.8	7.6	8.4	6.5	7.0	8.7	7.8	8.2	9.8	7.7	8.7
22	9.4	6.8	7.6	8.4	6.6	7.2	9.2	8.1	8.5	9.8	8.2	9.1
23	9.2	6.7	7.6	9.6	6.9	7.7	9.0	8.0	8.5	10.8	8.3	9.7
24	9.6	6.8	7.5	8.2	6.4	7.0	9.1	7.7	8.3	8.7	3.8	6.6
25	7.6	6.1	6.5	7.0	5.9	6.5	9.1	7.7	8.3	---	---	---
26	7.3	6.4	6.8	7.5	6.4	6.9	9.9	8.1	8.5	---	---	---
27	7.9	6.7	7.2	7.7	6.4	6.9	9.4	8.1	8.5	---	---	---
28	8.2	7.0	7.4	8.2	6.6	7.2	9.0	7.9	8.4	---	---	---
29	8.3	7.0	7.4	7.9	6.6	7.1	9.3	7.8	8.2	---	---	---
30	8.2	6.8	7.3	7.2	6.2	6.8	9.6	7.8	8.4	---	---	---
31	8.2	6.5	7.1	---	---	---	9.6	8.2	8.6	---	---	---
MONTH	---	---	---	9.6	5.6	7.2	---	---	---	---	---	---

02146507 LITTLE SUGAR CREEK AT ARCHDALE DRIVE AT CHARLOTTE, NC--Continued

OXYGEN DISSOLVED (% OF SATURATION), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	109	76	88	97	71	81	91	74	80	97	80	86
2	113	76	88	91	65	76	93	74	82	93	81	85
3	113	74	87	81	63	71	97	76	85	92	81	85
4	117	74	87	93	70	79	98	80	87	90	78	83
5	111	74	87	94	73	82	101	81	88	87	76	81
6	---	---	---	96	77	84	100	79	87	---	---	---
7	---	---	---	94	77	83	112	79	89	---	---	---
8	---	---	---	97	74	83	109	78	89	---	---	---
9	---	---	---	100	75	84	104	79	87	---	---	---
10	114	83	94	99	75	83	---	---	---	---	---	---
11	115	82	95	98	73	83	---	---	---	---	---	---
12	119	84	97	101	74	84	---	---	---	---	---	---
13	118	86	98	97	75	83	87	80	83	---	---	---
14	104	77	87	104	74	84	86	78	82	---	---	---
15	103	76	86	100	72	83	88	77	82	---	---	---
16	104	77	86	104	73	85	92	79	84	102	83	91
17	107	76	87	109	75	85	92	76	83	104	84	91
18	99	72	83	105	74	85	83	74	79	108	84	92
19	100	72	83	102	73	83	88	77	82	91	69	85
20	109	77	87	95	70	79	90	79	83	85	30	57
21	112	78	90	93	69	78	92	80	85	85	70	78
22	116	80	92	93	70	78	95	83	87	95	71	85
23	114	80	92	103	75	84	95	84	88	94	76	87
24	120	81	92	82	69	73	93	76	85	80	37	63
25	87	71	76	80	64	74	95	78	85	---	---	---
26	88	72	80	87	70	79	96	80	85	---	---	---
27	90	73	82	90	70	79	93	80	84	---	---	---
28	94	78	84	96	72	83	92	78	84	---	---	---
29	96	77	84	93	73	83	96	78	84	---	---	---
30	96	76	83	84	70	78	97	78	85	---	---	---
31	96	73	81	---	---	---	95	80	86	---	---	---
MONTH	---	---	---	109	63	81	---	---	---	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	129	83	100	84	69	75	98	66	81
2	---	---	---	---	---	---	99	70	83	111	56	82
3	---	---	---	---	---	---	110	74	88	89	58	76
4	---	---	---	---	---	---	100	71	83	83	70	78
5	---	---	---	101	89	94	105	72	84	90	71	80
6	---	---	---	104	87	93	107	71	85	94	69	79
7	86	82	84	104	84	92	116	71	88	106	64	82
8	92	83	87	108	80	91	116	70	88	113	70	86
9	98	84	89	112	78	90	111	66	82	111	59	80
10	91	85	87	115	76	92	102	63	77	97	54	71
11	98	82	89	121	77	94	114	60	83	83	55	65
12	105	85	91	92	77	84	93	67	79	89	54	68
13	104	86	93	86	83	85	106	70	85	---	---	---
14	108	87	95	103	82	90	118	72	90	---	---	---
15	113	88	97	113	83	93	125	68	92	---	---	---
16	116	89	99	113	79	93	130	68	94	106	76	90
17	117	84	100	86	79	83	133	69	95	114	72	89
18	121	91	102	97	82	88	139	71	98	79	69	75
19	128	88	102	104	82	90	141	65	97	98	72	83
20	118	85	96	104	81	89	135	65	95	103	74	87
21	126	78	95	87	72	81	139	66	95	104	73	86
22	129	73	93	85	70	76	130	63	92	109	74	87
23	120	77	94	89	71	78	135	66	92	106	68	84
24	123	77	93	93	70	79	126	66	91	111	66	83
25	122	75	92	96	69	81	107	55	77	111	63	83
26	123	72	89	103	70	82	102	51	77	112	63	85
27	119	74	92	94	62	75	115	68	87	114	60	85
28	122	81	96	100	66	79	109	60	84	---	---	---
29	---	---	---	107	68	82	116	60	85	---	---	---
30	---	---	---	88	68	78	121	60	88	---	---	---
31	---	---	---	90	62	78	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	141	51	87	---	---	---

