

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 current year.

WATER TEMPERATURE: April 1999 to current year.

DISSOLVED OXYGEN: April 1999 to current year.

DISSOLVED OXYGEN, PERCENT SATURATION: April 1999 to current year.

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	31.6, July 31, 1999	2.5, January 30, 2000
DISSOLVED OXYGEN, mg/L	13.0, June 23, 1999	1.9, September 5, 1999
DISSOLVED OXYGEN, PERCENT SATURATION,%	159, June 26, 2000, July 16, 2001	24, September 5, 1999

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

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	1800, February 22	27, September 24
pH, standard units	8.7, July 16	6.3, September 3
WATER TEMPERATURE, °C	30.8, August 11	6.3, January 21
DISSOLVED OXYGEN, mg/L	11.8, July 16	3.5, April 13, August 18
DISSOLVED OXYGEN, PERCENT SATURATION,%	159, July 16	41, April 13

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 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	527	430	496	682	475	624	546	429	509	439	359	404
2	477	381	440	719	544	652	587	461	547	435	305	389
3	519	400	477	665	529	630	596	441	565	---	---	---
4	564	443	533	681	559	644	580	442	539	579	449	519
5	574	480	536	654	447	568	556	450	536	586	408	525
6	637	432	599	644	522	593	590	456	548	604	429	540
7	611	213	462	658	539	608	599	440	569	582	439	522
8	574	487	550	658	521	609	579	468	541	510	251	360
9	590	489	564	652	265	445	543	448	514	537	330	444
10	563	474	544	610	214	403	531	426	506	558	435	534
11	---	---	---	631	487	579	574	435	520	558	417	528
12	637	503	618	595	439	547	661	543	608	565	206	363
13	633	547	602	593	476	547	643	498	593	450	260	375
14	606	524	579	561	180	353	554	335	430	544	353	486
15	561	485	531	529	348	472	554	365	498	591	434	554
16	553	461	525	619	432	558	555	198	328	581	433	553
17	605	430	552	605	218	373	306	121	222	583	474	558
18	603	480	561	583	376	526	483	277	379	584	295	502
19	576	467	546	582	149	347	536	359	478	442	140	324
20	630	428	550	396	225	322	555	392	489	283	201	240
21	662	524	623	561	372	486	522	416	494	394	187	324
22	679	538	643	576	431	543	567	439	499	417	301	393
23	673	536	632	609	484	567	699	453	573	486	339	436
24	665	549	631	580	463	543	478	406	449	539	396	496
25	688	550	642	546	94	292	448	388	418	579	434	537
26	657	548	628	411	178	306	407	346	390	573	402	518
27	676	554	642	474	325	424	408	308	368	531	397	502
28	693	552	657	515	447	489	498	345	446	530	415	493
29	690	567	653	532	405	513	571	457	531	490	379	455
30	699	545	654	550	407	502	538	440	513	493	287	380
31	671	528	629	---	---	---	515	413	460	523	357	472
MONTH	---	---	---	719	94	502	699	121	486	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	549	424	514	563	439	516	362	301	336	542	487	523
2	562	425	535	530	297	467	397	310	362	591	446	545
3	551	416	519	494	184	358	410	284	371	588	443	538
4	505	394	475	272	73	178	437	343	405	617	481	579
5	477	378	456	396	204	312	439	383	422	630	534	605
6	498	374	469	466	323	419	470	307	425	590	481	537
7	546	410	506	521	356	469	461	388	433	534	423	500
8	551	412	523	516	239	460	432	355	416	570	461	544
9	539	408	514	517	363	465	449	356	422	587	470	556
10	537	382	474	493	392	473	459	383	444	596	476	570
11	599	426	545	485	396	457	505	391	468	613	499	589
12	574	258	419	471	255	419	515	430	493	598	478	543
13	560	243	453	454	219	347	510	218	375	524	430	485
14	510	190	361	527	377	470	471	317	415	477	392	446
15	568	394	527	532	116	261	471	350	424	560	433	502
16	603	451	561	421	189	350	464	361	418	619	507	569
17	553	84	247	486	334	433	472	394	445	621	513	585
18	410	257	347	461	351	427	486	420	458	601	503	573
19	441	328	402	471	340	419	498	413	481	582	482	559
20	476	374	450	447	73	260	523	446	491	559	472	535
21	571	362	492	318	86	195	525	442	504	535	188	304
22	1800	116	663	397	278	331	516	437	494	399	124	299
23	729	484	656	431	338	401	495	404	471	546	231	412
24	547	408	516	467	363	433	498	350	465	602	144	489
25	533	190	342	473	391	446	396	138	233	479	216	364
26	432	247	359	435	363	422	506	307	430	372	126	237
27	538	275	453	456	374	437	531	419	499	467	302	418
28	575	395	498	463	373	441	541	428	522	475	133	293
29	---	---	---	465	53	218	536	421	512	466	159	294
30	---	---	---	315	126	222	534	431	506	592	340	513
31	---	---	---	331	253	314	---	---	---	596	485	543
MONTH	1800	84	474	563	53	381	541	138	438	630	124	485

SANTÉE RIVER BASIN

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

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	581	113	304	508	416	462	599	513	558	471	279	399
2	427	245	344	446	144	392	616	505	589	450	394	425
3	494	366	445	441	214	366	619	514	570	431	60	205
4	527	399	494	456	69	339	565	462	515	279	70	162
5	564	442	521	330	75	210	508	446	482	460	248	362
6	603	471	558	407	290	365	496	411	463	528	380	483
7	556	479	534	419	364	398	553	420	504	579	423	534
8	535	340	441	404	298	355	563	359	519	563	474	535
9	467	346	437	424	302	357	592	468	554	531	193	375
10	451	363	423	466	372	425	570	469	529	479	328	421
11	467	383	431	484	412	463	527	295	443	546	439	502
12	539	401	485	529	442	496	454	330	399	559	475	531
13	553	64	405	520	395	459	461	102	346	599	495	558
14	395	108	268	503	439	475	521	312	432	578	498	549
15	480	299	440	487	398	466	626	491	572	564	448	509
16	481	388	451	524	408	473	665	550	615	520	470	497
17	468	397	437	536	450	494	665	180	592	525	463	502
18	450	396	421	579	469	523	542	154	461	557	477	531
19	541	436	481	590	303	497	438	197	348	608	489	572
20	599	444	548	569	485	531	540	413	463	607	178	344
21	582	499	541	555	439	512	603	462	550	487	343	449
22	544	121	420	509	413	483	630	503	590	536	454	494
23	439	176	337	491	389	454	618	517	578	543	477	510
24	442	350	420	548	99	338	579	486	551	516	27	191
25	438	391	416	391	150	313	631	537	584	440	190	329
26	454	141	338	430	224	332	611	512	574	535	222	454
27	519	270	404	519	382	469	559	490	538	584	480	544
28	550	95	422	543	457	505	543	476	516	612	453	569
29	518	226	408	513	341	460	544	473	517	582	455	528
30	565	446	521	497	386	447	618	525	563	511	433	477
31	---	---	---	543	425	484	640	281	562	---	---	---
MONTH	603	64	436	590	69	430	665	102	519	612	27	451

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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

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

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	7.7	6.9	7.2	7.8	7.2	7.4	7.9	7.4	7.5	7.4	7.0	7.2
2	7.3	7.1	7.2	8.0	7.0	7.3	8.3	7.4	7.6	7.2	6.8	7.0
3	7.3	7.2	7.2	7.4	7.0	7.1	7.9	7.3	7.5	6.9	6.3	6.7
4	7.4	7.2	7.3	7.8	6.7	7.3	7.6	7.2	7.4	6.9	6.4	6.6
5	7.5	7.1	7.3	7.1	6.6	7.0	7.7	7.2	7.3	7.3	6.9	7.1
6	7.8	7.1	7.3	7.3	7.0	7.1	7.6	7.2	7.3	7.6	7.2	7.4
7	8.1	7.2	7.5	7.5	7.1	7.3	7.9	7.2	7.5	7.7	7.4	7.5
8	7.7	7.2	7.4	7.5	7.2	7.3	7.9	7.3	7.6	7.8	7.3	7.5
9	8.1	7.2	7.5	7.6	7.2	7.4	7.8	7.3	7.5	7.5	7.1	7.3
10	8.6	7.2	7.5	7.9	7.4	7.7	7.9	7.3	7.6	7.4	7.1	7.2
11	8.1	7.2	7.5	8.3	7.3	7.7	7.9	7.1	7.4	7.4	7.2	7.3
12	8.3	7.3	7.6	8.2	7.3	7.6	7.6	7.1	7.3	7.4	7.2	7.3
13	8.1	7.0	7.5	8.1	7.4	7.6	7.5	6.8	7.1	7.4	7.2	7.3
14	7.2	6.9	7.1	8.0	7.3	7.6	7.4	6.9	7.2	7.5	7.2	7.3
15	7.4	7.2	7.3	8.4	7.3	7.7	7.4	7.1	7.2	7.7	7.3	7.4
16	7.6	7.3	7.5	8.7	7.2	7.7	7.7	7.2	7.4	7.7	7.2	7.4
17	7.6	7.3	7.4	8.2	7.1	7.5	7.8	7.0	7.4	7.4	7.1	7.2
18	7.6	7.3	7.4	8.3	7.2	7.6	7.5	6.8	7.3	7.6	7.1	7.3
19	8.1	7.4	7.7	7.8	7.1	7.4	7.4	7.1	7.2	7.8	7.3	7.5
20	8.2	7.4	7.7	7.8	7.2	7.5	7.4	7.1	7.2	7.4	7.0	7.2
21	8.3	7.4	7.7	8.5	7.4	7.7	7.6	7.2	7.4	7.6	7.0	7.3
22	8.6	7.0	7.7	8.6	7.4	7.7	7.9	7.3	7.5	7.7	7.3	7.5
23	7.4	7.0	7.3	8.0	7.3	7.6	7.9	7.3	7.5	7.6	7.3	7.4
24	7.7	7.3	7.4	7.8	7.0	7.4	8.0	7.3	7.5	7.4	7.0	7.2
25	7.9	7.3	7.5	7.6	7.1	7.4	8.1	7.3	7.5	7.4	7.2	7.3
26	7.8	7.2	7.4	7.6	7.3	7.4	8.1	7.3	7.5	7.5	7.2	7.4
27	7.6	7.2	7.4	7.6	7.4	7.5	7.9	7.2	7.4	7.4	7.2	7.3
28	7.7	7.1	7.4	7.8	7.5	7.6	7.8	7.2	7.4	7.5	7.2	7.3
29	7.6	7.2	7.4	7.7	7.4	7.5	7.7	7.2	7.4	7.5	7.2	7.3
30	7.7	7.3	7.5	7.6	7.3	7.4	7.8	7.3	7.4	7.6	7.2	7.3
31	---	---	---	7.9	7.3	7.5	7.8	7.2	7.5	---	---	---
MONTH	8.6	6.9	7.4	8.7	6.6	7.5	8.3	6.8	7.4	7.8	6.3	7.3

SANTEE RIVER BASIN

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	24.7	21.1	23.2	22.0	17.4	20.4	16.5	12.1	15.2	10.8	7.7	9.8
2	24.8	20.4	23.0	22.4	17.4	20.6	15.8	12.6	14.9	11.3	7.2	9.8
3	25.7	21.5	23.9	22.2	17.9	21.1	15.0	10.8	14.2	---	---	---
4	26.1	22.0	24.4	22.4	19.7	21.6	15.0	9.5	13.5	11.6	7.2	10.1
5	26.0	22.5	24.4	21.8	18.7	20.6	15.2	11.2	13.5	11.7	8.3	10.3
6	25.5	22.8	24.2	21.5	17.9	20.1	14.7	10.1	13.6	12.4	7.4	10.9
7	24.5	19.6	23.0	22.0	19.4	20.9	15.6	11.2	14.2	12.7	8.1	11.3
8	22.4	19.2	20.8	22.8	19.3	21.4	15.8	11.2	14.5	12.4	7.7	9.8
9	21.4	17.8	19.7	22.3	18.8	20.5	15.5	11.8	14.6	12.1	8.5	10.8
10	21.3	17.9	19.6	21.1	17.7	19.4	15.2	12.0	14.6	12.7	7.4	11.1
11	---	---	---	21.2	16.7	19.5	15.7	12.5	15.0	12.8	7.9	11.6
12	22.1	17.7	20.2	20.7	16.2	19.1	16.7	13.9	15.7	12.6	7.3	9.5
13	22.5	18.2	20.6	20.4	16.0	19.1	15.1	11.1	14.0	12.0	7.1	10.2
14	22.9	19.0	21.1	19.9	14.2	16.8	13.4	9.6	11.4	13.6	10.0	12.4
15	23.0	19.1	21.2	18.7	13.7	17.1	14.6	10.4	13.7	14.7	10.6	13.3
16	23.2	19.1	21.6	19.2	14.2	17.7	14.4	7.5	10.3	14.8	11.2	13.6
17	24.1	19.2	22.4	18.3	11.7	14.8	12.0	9.6	10.9	14.1	12.0	13.3
18	24.5	20.8	23.1	17.2	12.9	16.1	12.9	8.5	11.6	13.8	9.7	12.9
19	24.1	20.3	22.7	17.0	7.3	11.8	12.5	9.0	11.4	12.9	9.6	11.2
20	23.6	19.7	22.3	14.0	8.9	11.9	11.5	6.6	9.9	11.7	9.8	11.1
21	23.8	20.1	22.4	15.1	11.5	13.7	11.9	7.9	11.1	11.5	6.3	10.0
22	24.0	20.3	22.5	16.1	10.6	14.2	12.9	9.4	11.4	12.5	7.9	10.9
23	23.6	20.3	22.3	16.5	12.0	14.8	12.5	7.4	11.0	12.6	7.8	11.1
24	23.5	19.9	22.2	16.6	13.7	15.5	12.6	7.9	11.0	13.1	8.4	11.7
25	23.9	21.0	22.7	16.3	8.4	11.8	11.4	8.6	10.4	12.8	9.2	11.8
26	23.7	20.3	22.4	14.8	10.6	13.1	11.0	6.8	10.0	13.0	7.1	11.6
27	23.7	19.8	22.3	15.9	11.7	14.7	10.6	6.4	9.5	13.7	8.7	12.2
28	23.9	20.3	22.6	16.9	13.3	15.2	11.9	7.9	10.9	13.3	8.6	11.7
29	23.5	19.9	22.1	17.2	12.3	16.0	12.1	7.4	10.8	13.8	8.9	12.2
30	22.6	18.2	21.1	17.2	12.7	15.9	11.8	7.9	10.5	13.7	11.6	12.9
31	22.3	17.0	20.6	---	---	---	11.0	7.2	9.8	15.3	11.4	13.9
MONTH	---	---	---	22.8	7.3	17.2	16.7	6.4	12.4	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	14.8	12.4	13.9	17.4	13.1	15.7	16.1	14.0	14.9	23.6	19.5	21.6
2	14.6	11.4	13.6	18.4	12.4	16.3	17.4	11.7	14.8	24.1	19.9	22.1
3	14.0	9.8	12.6	17.3	13.5	15.6	15.6	14.5	15.1	24.8	20.1	22.4
4	14.4	10.1	12.9	13.5	11.9	12.9	17.6	14.7	16.2	24.9	20.2	22.6
5	14.9	10.6	13.3	15.9	11.3	13.7	17.9	15.4	16.7	25.1	20.8	23.0
6	14.9	9.6	13.1	13.9	9.9	12.4	20.0	15.2	17.9	23.3	21.4	22.4
7	15.4	10.1	13.6	15.5	9.1	13.0	21.6	17.6	19.7	23.4	19.4	21.6
8	15.9	10.8	14.1	15.8	9.8	13.5	22.6	18.7	20.6	22.6	19.5	21.3
9	16.3	11.5	14.7	16.8	11.4	14.6	23.5	19.5	21.3	23.7	20.3	22.2
10	16.6	13.9	15.4	16.3	11.3	14.3	23.6	20.1	21.8	24.3	20.4	22.8
11	15.1	11.5	13.9	16.4	11.5	14.5	23.5	20.5	21.8	25.7	21.3	23.6
12	14.0	8.6	11.2	16.2	13.1	14.9	23.8	20.8	22.2	24.7	21.9	23.5
13	13.6	8.8	11.7	18.7	14.2	16.3	22.0	20.3	21.3	25.0	21.2	23.0
14	14.7	9.9	12.4	18.1	14.0	16.5	22.4	18.5	20.6	24.2	19.9	22.2
15	16.4	14.1	15.5	17.0	13.0	14.2	20.5	19.1	19.8	25.1	20.7	23.0
16	17.9	15.0	16.6	14.9	12.2	14.1	21.3	17.7	19.5	25.8	21.7	23.7
17	16.8	12.8	14.0	18.0	12.4	15.5	19.0	15.9	18.0	23.5	22.1	22.9
18	13.9	10.0	12.3	17.1	12.8	15.3	19.1	14.7	17.1	25.8	21.4	23.7
19	14.3	10.1	12.8	16.9	11.8	14.9	19.9	14.6	17.8	26.7	22.1	24.5
20	15.5	11.0	13.9	14.9	8.9	11.5	20.2	16.4	18.4	25.8	23.2	24.5
21	15.6	12.6	14.7	12.0	9.1	10.6	22.2	17.9	20.0	24.2	22.3	23.1
22	14.7	8.0	10.5	15.9	10.7	13.0	22.9	18.9	20.9	24.5	22.3	23.2
23	14.4	8.4	11.9	17.0	12.0	14.7	23.5	19.4	21.5	25.0	20.1	22.8
24	15.5	10.7	13.8	17.8	12.6	15.7	24.0	20.3	22.0	25.2	21.0	23.1
25	15.1	12.9	14.3	17.2	13.7	15.7	21.4	16.3	17.8	23.0	20.2	22.1
26	17.2	12.9	15.3	17.1	12.8	15.3	21.1	16.3	18.8	23.4	18.7	20.9
27	16.8	12.9	15.4	16.7	11.6	14.6	22.2	17.4	20.0	24.7	19.8	22.6
28	16.8	14.5	15.6	17.0	11.3	14.9	22.9	18.2	21.0	22.4	19.2	20.8
29	---	---	---	15.5	9.0	11.5	21.7	19.0	20.5	23.6	19.8	21.8
30	---	---	---	14.9	9.7	12.4	22.7	18.1	20.6	25.4	20.8	23.5
31	---	---	---	17.1	12.5	15.1	---	---	---	25.3	22.5	24.0
MONTH	17.9	8.0	13.7	18.7	8.9	14.3	24.0	11.7	19.3	26.7	18.7	22.7

SANTEE RIVER BASIN

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

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	9.5	6.6	7.7
2	---	---	---	---	---	---	---	---	---	9.8	6.2	7.7
3	---	---	---	---	---	---	9.3	7.9	8.4	10.2	6.2	7.7
4	---	---	---	---	---	---	9.1	7.7	8.3	9.6	6.1	7.5
5	---	---	---	---	---	---	9.3	7.5	8.2	9.9	6.1	7.5
6	---	---	---	---	---	---	9.5	6.8	8.0	9.5	6.0	7.6
7	---	---	---	---	---	---	9.7	6.4	7.7	10.2	6.5	7.9
8	---	---	---	---	---	---	10.3	6.1	7.6	9.5	6.5	7.7
9	---	---	---	---	---	---	10.1	5.2	7.2	9.5	6.5	7.7
10	---	---	---	---	---	---	9.7	4.5	6.5	9.7	6.5	7.7
11	---	---	---	---	---	---	9.0	4.1	5.9	10.0	6.2	7.6
12	---	---	---	---	---	---	8.1	3.7	5.7	9.7	6.1	7.5
13	---	---	---	---	---	---	---	---	---	10.5	6.1	7.7
14	---	---	---	---	---	---	---	---	---	10.2	6.2	8.0
15	---	---	---	---	---	---	---	---	---	10.4	6.3	7.9
16	---	---	---	---	---	---	---	---	---	10.5	6.0	7.8
17	---	---	---	---	---	---	---	---	---	10.4	5.7	7.5
18	---	---	---	---	---	---	9.4	7.3	8.1	10.5	6.2	7.8
19	---	---	---	---	---	---	9.6	7.3	8.2	11.1	5.9	7.7
20	---	---	---	---	---	---	10.1	7.1	8.2	10.6	5.6	7.6
21	---	---	---	10.1	8.0	8.9	10.7	6.9	8.2	6.5	4.7	5.5
22	---	---	---	8.8	7.2	8.2	10.9	6.6	8.1	6.7	4.8	5.6
23	---	---	---	8.4	6.9	7.7	10.5	6.4	8.1	7.0	5.5	6.4
24	---	---	---	8.1	6.4	7.4	10.5	5.7	7.9	7.6	4.8	6.6
25	---	---	---	8.2	6.4	7.0	7.3	5.6	6.7	6.9	5.4	6.2
26	---	---	---	7.7	6.2	6.8	7.9	6.7	7.3	6.9	5.4	6.1
27	---	---	---	8.1	6.2	6.9	8.4	6.6	7.3	7.3	5.9	6.7
28	---	---	---	8.3	5.9	6.8	8.5	6.4	7.2	7.1	6.4	6.8
29	---	---	---	---	---	---	9.1	6.3	7.5	7.4	6.9	7.1
30	---	---	---	---	---	---	9.6	6.7	7.7	7.9	6.8	7.3
31	---	---	---	---	---	---	---	---	---	8.3	6.7	7.4
MONTH	---	---	---	---	---	---	---	---	---	11.1	4.7	7.3

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	7.9	6.4	7.1	8.0	5.5	6.4	8.5	5.6	6.8	6.9	5.1	5.9
2	6.9	5.9	6.5	9.5	5.6	7.1	8.8	5.6	6.5	7.4	5.5	6.2
3	---	---	---	8.1	5.9	6.8	7.9	5.3	6.4	---	---	---
4	---	---	---	8.9	6.1	7.2	7.0	5.0	5.8	---	---	---
5	---	---	---	7.2	6.1	6.5	7.4	5.1	6.1	---	---	---
6	9.9	5.7	7.3	7.2	6.1	6.7	7.6	5.2	6.2	---	---	---
7	9.8	5.4	7.4	7.9	6.0	6.9	8.2	5.2	6.6	7.4	5.9	6.5
8	8.7	5.8	7.0	---	---	---	8.7	5.5	6.7	8.0	6.0	6.7
9	10.2	6.0	7.8	---	---	---	7.8	4.8	6.3	6.9	6.0	6.2
10	11.6	6.1	8.0	---	---	---	8.5	5.1	6.6	6.9	5.9	6.3
11	10.7	6.0	8.1	---	---	---	8.0	4.8	6.2	7.2	5.8	6.3
12	10.7	6.1	7.9	10.4	5.8	7.6	7.9	4.8	6.2	7.6	5.8	6.6
13	10.1	5.0	7.1	9.6	5.8	7.2	7.7	5.5	6.2	7.9	5.8	6.6
14	6.7	5.8	6.3	9.8	6.3	7.8	6.8	5.6	6.1	8.1	5.7	6.5
15	7.0	5.8	6.4	11.3	6.4	8.2	7.2	5.6	6.3	8.2	5.8	6.6
16	7.7	6.1	6.8	11.8	6.1	8.3	8.1	5.7	6.5	8.5	6.2	6.9
17	---	---	---	11.0	5.7	7.6	8.3	5.5	6.5	8.2	6.1	6.8
18	---	---	---	10.9	5.7	7.5	7.1	3.5	6.0	8.1	6.1	6.7
19	---	---	---	9.5	5.5	6.9	6.5	5.3	5.9	8.2	5.9	6.8
20	10.4	5.7	7.7	8.1	5.2	6.4	6.8	5.6	6.2	6.9	6.0	6.3
21	10.8	5.9	7.6	9.5	5.1	6.6	7.6	5.6	6.4	7.0	5.7	6.4
22	11.0	5.2	7.4	9.9	5.3	6.8	8.5	5.4	6.5	7.6	6.1	6.7
23	6.8	5.0	6.2	8.7	5.3	6.6	8.5	5.3	6.4	8.0	6.1	6.8
24	7.8	5.9	6.7	8.5	4.9	6.0	8.2	5.0	6.3	---	---	---
25	8.7	6.1	7.1	6.5	5.4	6.0	8.9	5.5	6.7	---	---	---
26	8.7	5.4	6.5	6.9	5.8	6.2	9.2	5.6	6.7	---	---	---
27	7.3	5.8	6.5	6.9	5.8	6.3	8.4	5.5	6.7	6.6	5.8	6.3
28	8.0	5.4	6.7	7.4	6.0	6.6	8.7	5.6	6.8	7.7	5.8	6.6
29	6.9	5.4	6.2	7.5	5.8	6.5	8.4	5.8	6.8	8.2	6.7	7.1
30	7.0	5.6	6.2	7.5	5.7	6.4	8.1	5.4	6.4	8.5	6.7	7.2
31	---	---	---	8.7	5.7	6.7	8.1	5.1	6.3	---	---	---
MONTH	---	---	---	---	---	---	9.2	3.5	6.4	---	---	---

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

OXYGEN DISSOLVED (% OF SATURATION), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	115	74	90
2	---	---	---	---	---	---	---	---	---	119	72	91
3	---	---	---	---	---	---	95	80	86	127	72	92
4	---	---	---	---	---	---	98	78	87	120	71	90
5	---	---	---	---	---	---	101	78	87	124	71	90
6	---	---	---	---	---	---	105	75	87	115	70	90
7	---	---	---	---	---	---	112	71	87	122	73	93
8	---	---	---	---	---	---	122	68	88	114	73	90
9	---	---	---	---	---	---	122	61	84	116	74	91
10	---	---	---	---	---	---	116	52	77	119	74	92
11	---	---	---	---	---	---	108	47	70	126	73	93
12	---	---	---	---	---	---	99	43	68	119	72	91
13	---	---	---	---	---	---	---	---	---	131	72	93
14	---	---	---	---	---	---	---	---	---	125	70	94
15	---	---	---	---	---	---	---	---	---	130	73	95
16	---	---	---	---	---	---	---	---	---	132	71	95
17	---	---	---	---	---	---	---	---	---	126	67	90
18	---	---	---	---	---	---	104	75	87	132	72	96
19	---	---	---	---	---	---	109	75	89	143	70	96
20	---	---	---	---	---	---	114	77	91	133	68	94
21	---	---	---	90	76	82	126	75	93	79	56	67
22	---	---	---	89	71	81	130	73	94	81	57	68
23	---	---	---	89	71	78	127	72	95	87	66	76
24	---	---	---	86	67	77	128	66	94	95	57	79
25	---	---	---	87	65	73	79	62	73	79	63	73
26	---	---	---	82	62	70	91	75	81	79	60	70
27	---	---	---	84	60	70	98	72	83	90	69	79
28	---	---	---	87	59	69	102	71	83	81	74	78
29	---	---	---	---	---	---	105	71	86	89	80	84
30	---	---	---	---	---	---	113	73	89	100	79	89
31	---	---	---	---	---	---	---	---	---	103	80	91
MONTH	---	---	---	---	---	---	---	---	---	143	56	87

SANTEE RIVER BASIN

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

OXYGEN DISSOLVED (% OF SATURATION), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	94	76	84	106	69	83	112	72	88	91	64	76
2	86	72	78	128	70	92	118	71	85	98	70	81
3	---	---	---	106	74	87	106	69	83	---	---	---
4	---	---	---	118	77	93	92	64	76	---	---	---
5	---	---	---	93	77	82	99	65	79	---	---	---
6	130	70	92	96	77	86	102	66	82	---	---	---
7	126	68	94	104	76	89	112	67	87	99	74	85
8	108	71	87	---	---	---	121	73	90	106	76	87
9	129	72	97	---	---	---	107	63	85	86	76	79
10	150	74	101	---	---	---	117	67	89	91	75	82
11	138	74	103	---	---	---	111	63	83	95	75	83
12	140	75	100	141	74	100	107	63	83	101	74	85
13	131	62	90	125	74	93	103	70	81	105	73	85
14	87	72	79	130	79	101	92	72	81	106	72	84
15	92	72	82	148	82	106	98	73	83	106	71	83
16	101	77	88	159	78	108	111	73	87	108	76	86
17	---	---	---	146	72	100	114	73	87	104	76	86
18	---	---	---	147	74	99	96	45	80	104	74	85
19	---	---	---	128	71	90	87	68	76	107	72	87
20	139	72	100	109	68	84	92	72	81	84	73	78
21	145	75	99	127	66	86	103	71	84	92	70	81
22	148	65	96	135	68	89	114	68	85	100	77	86
23	89	61	79	116	68	85	115	67	86	106	77	88
24	102	74	86	113	64	78	110	65	84	---	---	---
25	115	76	91	85	69	77	120	72	88	---	---	---
26	113	68	83	90	72	79	124	72	89	---	---	---
27	96	72	84	89	73	81	115	71	89	84	71	77
28	107	68	86	95	76	84	118	73	91	97	70	81
29	92	68	80	97	74	83	114	76	91	101	79	87
30	95	72	81	99	72	83	110	71	85	105	79	87
31	---	---	---	116	72	88	109	65	84	---	---	---
MONTH	---	---	---	---	---	---	124	45	85	---	---	---