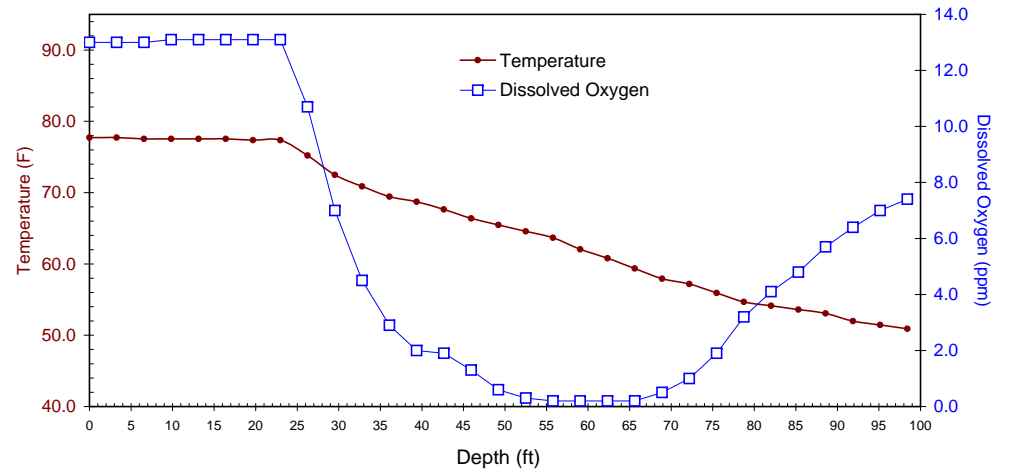


Depth (m)	Temp (C)	Cond	PH	DO	Site	Secchi (m)	Time	Date	Reservoir	Depth (ft)	Temp (F)	DO
0	25.4	226	8.5	13.0	H51	5.4	1115	09/02/09	S Holston	0	77.7	13.0
1	25.4	226	8.6	13.0						3	77.7	13.0
2	25.3	226	8.6	13.0						7	77.5	13.0
3	25.3	226	8.6	13.1						10	77.5	13.1
4	25.3	226	8.6	13.1						13	77.5	13.1
5	25.3	226	8.6	13.1						16	77.5	13.1
6	25.2	226	8.7	13.1						20	77.4	13.1
7	25.2	226	8.7	13.1						23	77.4	13.1
8	24.0	229	8.3	10.7						26	75.2	10.7
9	22.5	254	7.5	7.0						30	72.5	7.0
10	21.6	256	7.5	4.5						33	70.9	4.5
11	20.8	254	7.3	2.9						36	69.4	2.9
12	20.4	250	7.2	2.0						39	68.7	2.0
13	19.8	247	7.1	1.9						43	67.6	1.9
14	19.1	242	7.1	1.3						46	66.4	1.3
15	18.6	239	7.1	0.6						49	65.5	0.6
16	18.1	236	7.0	0.3						52	64.6	0.3
17	17.6	232	7.0	0.2						56	63.7	0.2
18	16.7	227	7.0	0.2						59	62.1	0.2
19	16.0	223	6.9	0.2						62	60.8	0.2
20	15.2	222	6.9	0.2						66	59.4	0.2
21	14.4	224	6.9	0.5						69	57.9	0.5
22	14.0	225	6.9	1.0						72	57.2	1.0
23	13.3	227	6.9	1.9						75	55.9	1.9
24	12.6	233	6.9	3.2						79	54.7	3.2
25	12.3	234	6.9	4.1						82	54.1	4.1
26	12.0	235	6.9	4.8						85	53.6	4.8
27	11.7	237	6.9	5.7						89	53.1	5.7
28	11.1	237	6.9	6.4						92	52.0	6.4
29	10.8	237	7.0	7.0						95	51.4	7.0
30	10.5	238	7.0	7.4	98	50.9	7.4					

Measurements taken in the main channel just upstream of the dam

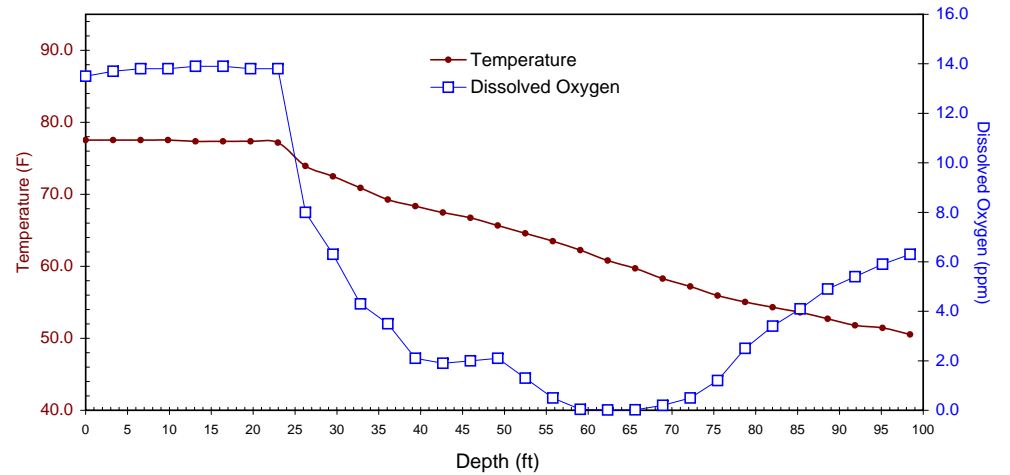
South Holston Reservoir Water Quality at Holston River Mile 51 - September 2, 2009



Depth (m)	Temp (C)	Cond	PH	DO	Site	Secchi (m)	Time	Date	Reservoir	Depth (ft)	Temp (F)	DO
0	25.3	227	8.8	13.5	H55	4.3	1200	09/02/09	S Holston	0	77.5	13.5
1	25.3	227	8.8	13.7						3	77.5	13.7
2	25.3	227	8.8	13.8						7	77.5	13.8
3	25.3	227	8.8	13.8						10	77.5	13.8
4	25.2	227	8.8	13.9						13	77.4	13.9
5	25.2	227	8.8	13.9						16	77.4	13.9
6	25.2	227	8.8	13.8						20	77.4	13.8
7	25.1	227	8.8	13.8						23	77.2	13.8
8	23.3	251	7.9	8.0						26	73.9	8.0
9	22.5	252	7.7	6.3						30	72.5	6.3
10	21.6	260	7.5	4.3						33	70.9	4.3
11	20.7	255	7.4	3.5						36	69.3	3.5
12	20.2	249	7.4	2.1						39	68.4	2.1
13	19.7	243	7.3	1.9						43	67.5	1.9
14	19.3	235	7.2	2.0						46	66.7	2.0
15	18.7	234	7.2	2.1						49	65.7	2.1
16	18.1	233	7.1	1.3						52	64.6	1.3
17	17.5	235	7.1	0.5						56	63.5	0.5
18	16.8	228	7.0	0.0						59	62.2	0.0
19	16.0	225	7.0	0.0						62	60.8	0.0
20	15.4	221	6.9	0.0						66	59.7	0.0
21	14.6	221	6.9	0.2						69	58.3	0.2
22	14.0	223	6.9	0.5						72	57.2	0.5
23	13.3	228	6.9	1.2						75	55.9	1.2
24	12.8	231	6.9	2.5						79	55.0	2.5
25	12.4	234	6.9	3.4						82	54.3	3.4
26	12.0	236	6.9	4.1						85	53.6	4.1
27	11.5	239	7.0	4.9						89	52.7	4.9
28	11.0	241	7.0	5.4						92	51.8	5.4
29	10.8	242	7.0	5.9						95	51.4	5.9
30	10.3	245	7.0	6.3	98	50.5	6.3					

Measurements taken in the main channel 3 miles downstream of the 421 Bridge

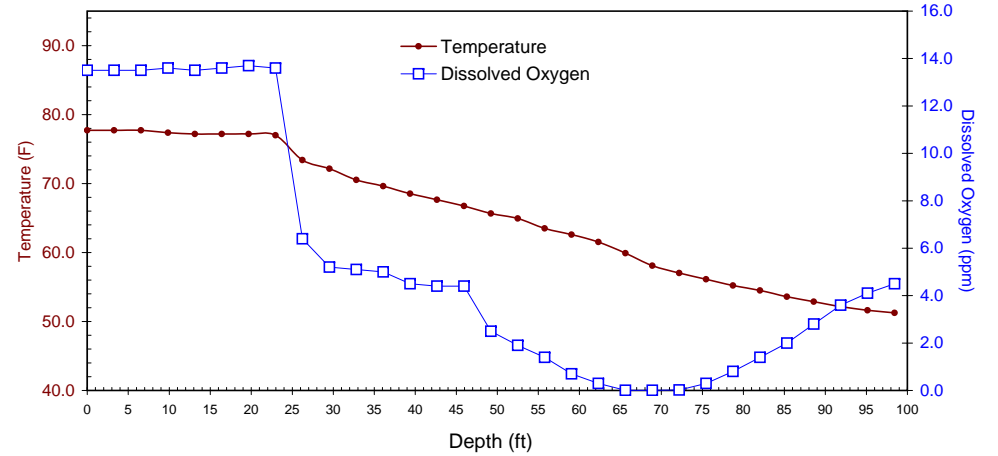
South Holston Reservoir Water Quality at Holston River Mile 55 - September 2, 2009



Depth (m)	Temp (C)	Cond	PH	DO	Site	Secchi (m)	Time	Date	Reservoir	Depth (ft)	Temp (F)	DO
0	25.4	227	8.9	13.5	H58	3.2	1230	09/02/09	S Holston	0	77.7	13.5
1	25.4	227	8.9	13.5						3	77.7	13.5
2	25.4	227	8.9	13.5						7	77.7	13.5
3	25.2	228	8.9	13.6						10	77.4	13.6
4	25.1	227	8.9	13.5						13	77.2	13.5
5	25.1	226	8.9	13.6						16	77.2	13.6
6	25.1	226	8.9	13.7						20	77.2	13.7
7	25.0	228	8.8	13.6						23	77.0	13.6
8	23.0	258	7.9	6.4						26	73.4	6.4
9	22.3	269	7.6	5.2						30	72.1	5.2
10	21.4	269	7.5	5.1						33	70.5	5.1
11	20.9	267	7.5	5.0						36	69.6	5.0
12	20.3	255	7.3	4.5						39	68.5	4.5
13	19.8	241	7.3	4.4						43	67.6	4.4
14	19.3	232	7.2	4.4						46	66.7	4.4
15	18.7	231	7.2	2.5						49	65.7	2.5
16	18.3	230	7.1	1.9						52	64.9	1.9
17	17.5	234	7.1	1.4						56	63.5	1.4
18	17.0	234	7.1	0.7						59	62.6	0.7
19	16.4	231	7.0	0.3						62	61.5	0.3
20	15.5	224	7.0	0.0						66	59.9	0.0
21	14.5	222	6.9	0.0						69	58.1	0.0
22	13.9	224	6.9	0.0						72	57.0	0.0
23	13.4	225	6.9	0.3						75	56.1	0.3
24	12.9	229	6.9	0.8						79	55.2	0.8
25	12.5	232	6.9	1.4						82	54.5	1.4
26	12.0	236	6.9	2.0						85	53.6	2.0
27	11.6	240	6.9	2.8						89	52.9	2.8
28	11.2	245	7.0	3.6						92	52.2	3.6
29	10.9	247	7.0	4.1						95	51.6	4.1
30	10.7	248	7.0	4.5	98	51.3	4.5					

Measurements taken in the main channel just upstream of the 421 Bridge

South Holston Reservoir Water Quality at Holston River Mile 58 - September 2, 2009



Depth (m)	Temp (C)	Cond	PH	DO	Site	Secchi (m)	Time	Date	Reservoir	Depth (ft)	Temp (F)	DO					
0	25.4	221	9.0	14.7	H64	1.5	1315	09/02/09	S Holston	0	77.7	14.7					
1	25.2	221	9.1	15.0						3	77.4	15.0					
2	25.0	221	9.1	15.3						7	77.0	15.3					
3	24.9	221	9.0	15.4						10	76.8	15.4					
4	24.9	221	9.0	15.3						13	76.8	15.3					
5	24.8	222	9.0	15.1						16	76.6	15.1					
6	24.8	222	9.0	15.0						20	76.6	15.0					
7	23.4	287	8.0	6.0						23	74.1	6.0					
8	22.5	298	7.8	5.9						26	72.5	5.9					
9	22.0	312	7.7	6.0						30	71.6	6.0					
10	21.5	307	7.6	6.3						33	70.7	6.3					
11	21.0	299	7.6	6.4						36	69.8	6.4					
12	20.5	289	7.5	6.4						39	68.9	6.4					
13	19.8	264	7.5	6.4						43	67.6	6.4					
14	19.4	252	7.5	6.3						46	66.9	6.3					
15	18.8	235	7.5	6.3						49	65.8	6.3					
16	18.3	228	7.5	6.2						52	64.9	6.2					
17	17.7	230	7.4	5.7						56	63.9	5.7					
18	16.8	239	7.3	2.8						59	62.2	2.8					
19	16.4	242	7.3	1.0						62	61.5	1.0					
20	15.5	245	7.2	0.3						66	59.9	0.3					
21	14.9	244	7.2	0.2						69	58.8	0.2					
22	14.0	243	7.2	0.0						72	57.2	0.0					
23	13.6	243	7.2	0.0						75	56.5	0.0					
24	13.2	243	7.2	0.2						79	55.8	0.2					
25	12.6	246	7.2	0.6						82	54.7	0.6					
26	11.9	251	7.1	0.7						85	53.4	0.7					
27	11.4	260	7.0	0.6						89	52.5	0.6					
28										Bottom							
29																	
30																	

Measurements taken in the main channel near Wheeler Dock, VA.

South Holston Reservoir Water Quality at Holston River Mile 64 - September 2, 2009

