

US EPA ARCHIVE DOCUMENT

Appendix B

Lake Data

Savannah River Basin Lake Data

CYCLE	LAKE	STATION	DATE	AGPT (MG/L)	LIMITING NUTRIENT	CHL a (UG/L)	TPHOS (UG/L)	TSS (MG/L)
1	JOCASSEE	1	07/20/95	0.68	N+P	2.54	20 U	34
1	KEOWEE	4	07/21/95	1.12	N+P	2.03	20 U	4.0 U
1	KEOWEE	5A	07/21/95	1.01	N+P	1.51	20 U	4.0 U
1	KEOWEE	5B	07/21/95	0.86	N+P	1.98	20 U	4.0 U
1	KEOWEE	7	07/21/95	0.64	N+P	1.77	20 U	4.0 U
1	KEOWEE	8	07/21/95	0.79	N+P	1.66	20 U	4.0 U
1	HARTWELL	10	07/20/95	1.49	N+P	3.55	20 U	6.0
1	HARTWELL	11	07/20/95	0.91	N+P	3.89	20 U	4.0 U
1	HARTWELL	13	07/20/95	1.97	N+P	2.35	20 U	4.0 U
1	HARTWELL	14	07/20/95	0.81	N+P	2.37	20 U	4.0 U
1	HARTWELL	15	07/20/95	0.86	N+P	2.39	20 U	4.0 U
1	HARTWELL	16	07/20/95	0.88	N+P	2.02	20 U	4.0 U
1	HARTWELL	17	07/20/95	0.80	N+P	1.22	20 U	4.0 U
1	HARTWELL	18	07/20/95	1.26	N+P	6.84	30	4.0 U
1	HARTWELL	19A	07/20/95	0.84	N+P	2.44	20 U	4.0 U
1	HARTWELL	19B	07/20/95	0.55	N+P	2.13	20 U	4.0 U
1	HARTWELL	20	07/20/95	1.63	N+P	1.55	20 U	4.0 U
1	HARTWELL	22	07/20/95	0.62	N+P	1.74	20 U	4.0 U
1	HARTWELL	24	07/19/95	0.71	N+P	0.84	20 U	4.0 U
1	HARTWELL	25	07/19/95	0.65	N+P	0.98	20 U	4.0 U
1	HARTWELL	26	07/19/95	0.55	N+P	1.77	20 U	4.0 U
1	HARTWELL	27	07/19/95	0.70	N+P	4.16	20 U	4.0 U
1	THURMOND	28	07/19/95	0.79	N+P	1.87	20 U	4.0 U
1	THURMOND	29	07/19/95	0.75	N+P	1.31	20 U	4.0 U
1	THURMOND	30	07/19/95	0.69	N+P	2.35	20 U	4.0 U
1	THURMOND	31	07/19/95	0.67	N+P	2.18	20 U	4.0 U
1	THURMOND	32	07/19/95	0.98	N+P	4.50	20 U	4.0 U
1	THURMOND	34	07/18/95	0.92	N+P	2.16	20 U	4.0 U
1	THURMOND	35	07/18/95	0.71	N+P	1.95	20 U	4.0 U
1	THURMOND	36	07/18/95	0.66	N+P	1.60	20 U	6.0
1	THURMOND	38	07/18/95	0.66	N+P	1.94	20 U	4.0 U
1	THURMOND	39A	07/18/95	0.67	N+P	1.65	20 U	4.0 U
1	THURMOND	39B	07/18/95	0.66	N+P	1.70		
1	THURMOND	40	07/18/95	1.01	N+P	3.40	20	4.0 U
1	THURMOND	41	07/18/95	1.34	N	11.56	50	4.0 U
1	THURMOND	42	07/18/95	0.74	N	11.17	30	4.0 U
1	RUSSELL	43	07/17/97	0.85	N+P	2.92	20 U	4.0 U
1	RUSSELL	44	07/17/95	0.95	N	3.70	20 U	4.0 U
1	RUSSELL	45	07/17/95	0.64	N	5.47	60	32
1	RUSSELL	46	07/17/95	0.75	N+P	2.59	20 U	4.0 U
1	RUSSELL	48	07/17/95	0.63	N+P	3.39	20 U	4.0 U
1	RUSSELL	49A	07/17/95	0.48	N+P	2.98	20 U	4.0 U
1	RUSSELL	49B	07/17/95	0.41	N+P	2.83		
1	RUSSELL	50	07/17/95	0.42	N+P	2.17	20 U	4.0 U
1	RUSSELL	51	07/17/95	0.41	N+P	2.11	20 U	4.0 U
1	RUSSELL	52	07/17/95	0.39	N+P	1.88	20 U	4.0 U
2	JOCASSEE	53	07/05/96	1.67	N	2.59	6 U	4.0 U
2	JOCASSEE	55	07/05/96	1.84	N	1.89	6 U	4.0 U
2	JOCASSEE	56	07/05/96	1.95	N	1.35	6 U	4.0 U
2	BURTON	57	07/05/96	1.62	N	1.60	6	4.0 U
2	KEOWEE	59A	07/03/96	4.46	N	0.91	6 U	4.0 U
2	KEOWEE	59B	07/03/96	5.08	N	0.93	6	4.0 U
2	KEOWEE	60	07/03/96	NA		0.80	6 U	4.0 U
2	KEOWEE	62	07/03/96	2.51	N	1.04	6 U	4.0 U
2	KEOWEE	65	07/03/96	1.81	N	0.58	6 U	4.0 U
2	KEOWEE	66	07/03/96	1.11	N	0.77	6	4.0 U
2	KEOWEE	67	07/03/96	1.25	N	0.77	6	4.0 U
2	HARTWELL	70	07/02/96	1.33	N	1.28	7	4.0 U

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CYCLE	LAKE	STATION	DATE	AGPT (MG/L)	LIMITING NUTRIENT	CHL a (UG/L)	TPHOS (UG/L)	TSS (MG/L)
2	HARTWELL	73	07/02/96	2.27	N	2.32	7	4.0 U
2	HARTWELL	74	07/02/96	1.62	N	1.54	6	4.0 U
2	HARTWELL	75	07/02/96	1.51	N	1.31	8	4.0 U
2	HARTWELL	77	07/02/96	1.41	N	1.85	6	4.0 U
2	HARTWELL	78	07/02/96	2.02	N	1.72	6	4.0 U
2	HARTWELL	79A	07/02/96	1.82	N	0.83	6	4.0 U
2	HARTWELL	79B	07/02/96	1.51	N	1.55	7	4.0 U
2	HARTWELL	80	07/02/96	1.87	N	0.77	8	4.0 U
2	HARTWELL	81	07/02/96	1.51	N	1.21	6	4.0 U
2	HARTWELL	84	07/01/96	1.44	N	1.17	6	4.0 U
2	THURMOND	87	06/28/96	8.35	N	0.98	11	4.0 U
2	THURMOND	88	06/26/96	3.47	N+P	6.95	28	4.0 U
2	THURMOND	89	06/26/96	1.60	N	3.19	19	4.0 U
2	THURMOND	93	06/25/96	1.97	P	1.87	7	4.0 U
2	THURMOND	95	06/25/96	1.83	P	1.42	8	4.0 U
2	THURMOND	96	06/24/96	2.82	P	2.56	10	4.0 U
2	THURMOND	97A	06/25/96	2.96	N+P	0	12	4.0 U
2	THURMOND	97B	06/25/96	1.60	P	1.62	7	4.0 U
2	THURMOND	98	06/25/96	3.49	N	3.90	23	72
2	THURMOND	99	06/24/96	1.76	P	2.20	9	4.0 U
2	THURMOND	100	06/24/96	2.90	N	3.39	9	4.0 U
2	THURMOND	101A	06/26/96	1.81	N	2.12	14	4.0 U
2	THURMOND	101B	06/26/96	2.07	P	1.8	6	4.0 U
2	THURMOND	103	06/24/96	1.80	N+P	2.47	9	4.0 U
2	RUSSELL	105A	07/01/96	1.99	N	1.2 U	9	4.0 U
2	RUSSELL	105B	07/01/96	1.71	N	1.85	10	4.0 U
2	RUSSELL	109	07/01/96	2.01	N	3.05	11	4.0 U
2	RUSSELL	110	07/01/96	1.90	N	2.38	8	4.0 U
3	JOCASSEE	1	07/08/97	0.66	N+P	1.8	4	1.2
3	KEOWEE	4	07/09/97	0.87	N	1.4	11	5.5
3	KEOWEE	5	07/09/97	0.72	N	1.6	4	3.8
3	KEOWEE	7	07/09/97	0.88	N+P	0.93	3 U	0.8
3	KEOWEE	8A	07/09/97	0.93	N	1.5	4	0.9
3	KEOWEE	8B	07/09/97	0.79	N	0.90	4	2.0
3	KEOWEE	8C	07/09/97	0.49	N+P	0.5 U	3 U	0.0
3	KEOWEE	9	07/09/97	1.22	N	1.3	4	0.7
3	HARTWELL	10	07/09/97	1.25	N	1.6	8	2.1
3	HARTWELL	11	07/09/97	0.33	N+P	2.1	11	1.8
3	HARTWELL	13	07/10/97	1.18	N+P	1.6	8	2.4
3	HARTWELL	14	07/10/97	1.35	N+P	1.8	4	1.6
3	HARTWELL	15	07/10/97	1.73	N	1.6	4	1.6
3	HARTWELL	16A	07/10/97	1.41	N+P	1.6	5	2.2
3	HARTWELL	16B	07/10/97	1.35	N+P	1.6	4	1.7
3	HARTWELL	16C	07/10/97	0.42	N+P	0.5 U	3 U	0.1
3	HARTWELL	17	07/10/97	1.13	N+P	1.1	4	1.6
3	HARTWELL	18	07/10/97	2.27	N+P	5.4	18	4.6
3	HARTWELL	19	07/10/97	1.40	N+P	1.6	4	1.9
3	HARTWELL	20	07/10/97	1.37	N+P	1.4	4	1.5
3	HARTWELL	22	07/10/97	1.30	N+P	1.2	4	1
3	HARTWELL	24	07/09/97	0.93	N+P	0.99	4	1
3	HARTWELL	25	07/09/97	1.16	N	1.1	4	1.2
3	HARTWELL	26	07/09/97	0.98	N+P	0.94	4	0.9
3	HARTWELL	27	07/09/97	1.12	N+P	2.3	12	2.5
3	THURMOND	28	07/07/97	1.16	N	3.7	8	2.6
3	THURMOND	29	07/07/97	0.84	N+P	2.6	5	2.3
3	THURMOND	30	07/07/97	0.91	N	3.5	7	2.8
3	THURMOND	32	07/07/97	0.84	N+P	3.2	6	2.5
3	THURMOND	34	07/07/97	1.38	N	1.4	6	1.9

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CYCLE	LAKE	STATION	DATE	AGPT (MG/L)	LIMITING NUTRIENT	CHL a (UG/L)	TPHOS (UG/L)	TSS (MG/L)
3	THURMOND	35	07/07/97	1.23	P	1.6	3	1.5
3	THURMOND	36	07/07/97	1.21	N+P	1.3	8	1.2
3	THURMOND	38	07/07/97	1.09	P	1.3	5	0.7
3	THURMOND	39	07/07/97	0.95	P	1.5	8	1.9
3	THURMOND	40	07/07/97	0.99	N+P	1.9	10	2.9 U
3	THURMOND	41A	07/07/97	1.20	N	7.8	29	4.7
3	THURMOND	41B	07/07/97	1.13	N	8.3	27	3.6
3	THURMOND	41C	07/07/97	0.40	N+P	0.5 U	3 U	0.8
3	THURMOND	42	07/07/97	1.48	N	5.4	12	2.6
3	RUSSELL	43A	07/09/97	1.08	N+P	2.6	12	1.8
3	RUSSELL	43B	07/09/97	1.17	N+P	3.0	12	2.0
3	RUSSELL	43C	07/09/97	0.44	N+P	0.5 U	3	0
3	RUSSELL	44	07/09/97	1.29	N	3.4	10	1.7
3	RUSSELL	45	07/09/97	1.33	N	1.6	10	1.9
3	RUSSELL	46	07/09/97	1.32	N	1.6	9	2.1
3	RUSSELL	48	07/09/97	1.32	N+P	3.3	7	1.4
3	RUSSELL	49	07/09/97	1.19	N	2.5	12	2.1
3	RUSSELL	50	07/09/97	1.31	N+P	1.6	15	3.8
3	RUSSELL	51	07/09/97	1.23	N+P	2.1	12	2.2
3	RUSSELL	52	07/09/97	1.26	N	1.1	3	2.8

U = Material was analyzed for but not detected. The number is the minimum quantitation limit.

Chlorophyll a

Cycle 1 - USDA (HPLC)

Cycle 2 - USDA (HPLC)

Cycle 3 - EPA (HPLC)