Nuclear Regulatory Commission
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Table 2.3.1-25 Suspended Sediment Loads and Average Daily Flows for the Savannah River at Clyo, Georgia

Date	Average daily flow, cfs	Suspended sediment discharge, tons per day	Date	Average daily flow, cfs	Suspended sediment discharge, tons per day
1/17/1974	19800	1970	3/8/1978	11600	469
2/14/1974	26300	2120	4/5/1978	10300	609
3/21/1974	10100	1270	5/3/1978	9670	342
4/26/1974	13300	1450	6/7/1978	10300	72
5/22/1974	9190	1350	7/6/1978	7220	660
8/1/1974	7810	522	8/9/1978	7870	170
8/30/1974	9040	731	9/7/1978	8850	337
9/26/1974	7620	518	10/4/1978	6880	15
10/23/1974	7480	850	11/2/1978	6690	54
11/22/1974	8300	627	12/6/1978	7460	200
12/18/1974	8700	353	1/4/1979	7710	166
1/17/1975	14600	3150	2/7/1979	8370	386
2/21/1975	23500	771	4/4/1979	16800	544
3/13/1975	23200	643	5/2/1979	35200	762
4/17/1975	38700	847	6/7/1979	18800	1260
5/8/1975	14500	1170	7/19/1979	7840	462
6/19/1975	11400	948	8/23/1979	7760	251
7/17/1975	12800	1170	9/6/1979	11400	400
8/13/1975	9700	627	10/4/1979	11600	345
9/11/1975	9020	497	11/9/1979	9040	243
10/16/1975	9940	485	12/14/1979	16600	538
11/12/1975	16200	797	1/10/1980	8640	140
12/18/1975	15400	994	2/6/1980	24700	603
1/14/1976	15900	926	3/6/1980	12400	439
2/12/1976	18600	492	4/2/1980	51600	1570
3/17/1976	13000	1120	5/7/1980	12000	758
4/14/1976	22200	754	6/11/1980	17500	950
5/12/1976	8070	367	7/2/1980	9030	24
6/9/1976	21200	592	8/6/1980	6480	273
7/14/1976	18000	544	9/4/1980	6120	234
8/11/1976	8400	530	10/8/1980	7950	372
9/14/1976	8230	152	11/21/1980	8770	309
10/6/1976	8900	301	12/9/1980	7820	233
11/4/1976	9200	400	1/8/1981	7870	214
12/2/1976	15900	1350	2/4/1981	7850	148
1/12/1977	19100	363	4/16/1981	7380	278
2/10/1977	11700	57	5/5/1981	6350	223
3/9/1977	14700	591	6/3/1981	7510	734
4/7/1977	24300	643	7/9/1981	6180	67
5/5/1977	11400	745	8/26/1981	6870	149
6/2/1977	7820	484	9/3/1981	6450	313
7/13/1977	7320	332	11/4/1981	5430	147
8/10/1977	8090	440	1/6/1982	15200	1070
9/14/1977	7590	326	3/3/1982	18500	549
10/20/1977	7050	266	5/13/1982	6660	215
11/17/1977	13700	769	7/13/1982	6680	332
12/7/1977	15700	899	9/2/1982	6250	284
1/11/1978	11100	366	2/8/1983	19300	1060
2/8/1978	28600	318			

Table 2.3.1-26 Calculation of Monthly Statistics for Suspended Sediment Load at Clyo, Georgia

January samples	tons/day	February samples	tons/day	March samples	tons/day	April samples	tons/day	May samples	tons/day	June samples	tons/day
1/17/1974	1970	2/14/1974	2120	3/21/1974	1270	4/26/1974	1450	5/22/1974	1350	6/19/1975	948
1/17/1975	3150	2/21/1975	771	3/13/1975	643	4/17/1975	847	5/8/1975	1170	6/9/1976	592
1/14/1976	926	2/12/1976	492	3/17/1976	1120	4/14/1976	754	5/12/1976	367	6/2/1977	484
1/12/1977	363	2/10/1977	57	3/9/1977	591	4/7/1977	643	5/5/1977	745	6/7/1978	72
1/11/1978	366	2/8/1978	318	3/8/1978	469	4/5/1978	609	5/3/1978	342	6/7/1979	1260
1/4/1979	166	2/7/1979	386	3/6/1980	439	4/4/1979	544	5/2/1979	762	6/11/1980	950
1/10/1980	140	2/6/1980	603	3/3/1982	549	4/2/1980	1570	5/7/1980	758	6/3/1981	734
1/8/1981	214	2/4/1981	148			4/16/1981	278	5/5/1981	223		
1/6/1982	1070	2/8/1983	1060					5/13/1982	215		
Samp size	9		9		7		8		9		7
Avg	929.4		661.7		725.9		836.9		659.1		720.0
Std Dev	1024.1		627.8		330.7		448.5		409.2		384.9
C.I., 95%, α = .05	**669.0**		**410.2**		**245.0**		**310.8**		**267.3**		**285.1**
C.I., 50%, α = .50	**230.2**		**141.2**		**84.3**		**107.0**		**92.0**		**98.1**

July samples	tons/day	August samples	tons/day	September samples	tons/day	October samples	tons/day	November samples	tons/day	December samples	tons/day
7/17/1975	1170	8/1/1974	522	9/26/1974	518	10/23/1974	850	11/22/1974	627	12/18/1974	353
7/14/1976	544	8/30/1974	731	9/11/1975	497	10/16/1975	485	11/12/1975	797	12/18/1975	994
7/13/1977	332	8/13/1975	627	9/14/1976	152	10/6/1976	301	11/4/1976	400	12/2/1976	1350
7/6/1978	660	8/11/1976	530	9/14/1977	326	10/20/1977	266	11/17/1977	769	12/7/1977	899
7/19/1979	462	8/10/1977	440	9/7/1978	337	10/4/1978	15	11/2/1978	54	12/6/1978	200
7/2/1980	24	8/9/1978	170	9/6/1979	400	10/4/1979	345	11/9/1979	243	12/14/1979	538
7/9/1981	67	8/23/1979	251	9/4/1980	234	10/8/1980	372	11/21/1980	309	12/9/1980	233
7/13/1982	332	8/6/1980	273	9/3/1981	313			11/4/1981	147		
		8/26/1981	149	9/2/1982	284						
Samp size	8		9		9		7		8		7
Avg	448.9		410.3		340.1		376.3		418.3		652.4
Std Dev	364.0		208.5		117.6		253.5		282.7		437.3
C.I., 95%, α = .05	**252.2**		**136.2**		**76.8**		**187.8**		**195.9**		**324.0**
C.I., 50%, α = .50	**86.8**		**46.9**		**26.4**		**64.6**		**67.4**		**111.5**

Table 2.3.1-27 Presence of Utley Limestone in the VEGP ESP Site Borings

Boring	Northing	Easting	Utley Limestone
B-1001	1,142,661.92	620,220.42	Present
B-1002	1,142,998.52	620,985.47	Absent
B-1003	1,142,974.36	621,889.85	Present
B-1004	1,142,985.41	620,131.44	Present
B-1005	1,143,991.57	620,155.35	Present
B-1006	1,143,810.26	621,342.90	Absent
B-1007	1,142,662.29	621,120.13	Present
B-1008	1,142,670.93	621,996.15	Present
B-1009	1,141,000.54	620,361.26	Absent
B-1010	1,141,000.12	621,279.68	Absent
B-1011	1,143,741.13	622,378.01	Present
B-1013	1,140,976.08	622,272.50	Absent
OW-1006	1,143,817.85	619,179.75	Present
OW-1008	1,142,347.94	619,306.69	Present
OW-1009	1,141,891.65	620,888.61	Present
OW-1012	1,139,969.50	621,045.92	Absent
OW-1013	1,140,805.40	621,715.03	Absent
OW-1015	1,140,550.58	623,086.32	Absent

Note.
B-series data are provided in SSAR Appendix 2.5A
OW-series data are provided in SSAR Appendix 2.4A

Table 2.3.1-28 Summary of Holes Drilled at the Site for the Installation of Observation Wells

Boring / Drill Log No.	Drilling Method	Drill Dates		Sampled Depth		Drilled Depth Below the GS	Boring "Abandoned" or "Well" Installed
		Start	End	From (ft)	To (ft)	(ft)	
OW-1001A	3.25" HSA	25-May	25-May	No sampling		100	Abandoned
OW-1001	4.25" HSA	24-May	29-May	113.5	140	140	Well
OW-1002A	3.25" HSA	24-May	25-May	0	108.5	108.5	Abandoned
OW-1002	Rotosonic	2-Jun	6-Jun	87	237	237	Well
OW-1003A	3.25" HSA	24-May	24-May	0	90	90	Abandoned
OW-1003	4.25" HSA	25-May	25-May	No sampling		90.5	Well
OW-1004	Rotosonic	3-Jun	11-Jun	87	187	187	Well
OW-1005A	3.25" HSA	31-May	31-May	0	75	75	Abandoned
OW-1005	4.25" HSA	2-Jun	7-Jun	68.5	170	170	Well
OW-1006A	4.25" HSA	3-Jun	4-Jun	0	125	125	Abandoned
OW-1006	4.25" HSA	9-Jun	14-Jun	118.5	135	135	Well
OW-1007	4.25" HSA	4-Jun	7-Jun	98.5	122	122	Well
OW-1008A	3.25" HSA	26-May	26-May	0	107.5	105	Well OW-1008
OW-1008	Rotosonic	31 May	1-Jun	108	247	247	Well
OW-1009	4.25" HSA	24-May	27-May	0	100	100	Well
OW-1010	4.25" HSA	1-Jun	1-Jun	0	93.5	93.5	Well
OW-1011	Rotosonic	11-Jun	12-Jun	87	217	217	Well
OW-1012	4.25" HSA	31-May	1-Jun	0	93.6	93.6	Well
OW-1013	4.25" HSA	9-Jun	10-Jun	0	103.5	103.5	Well
OW-1014	Rotosonic	11-Jun	11-Jun	97	197.4	197.4	Well
OW-1015	4.25" HSA	30-May	3-Jun	0	120	120	Well

Note.

Borings OW-1001A, OW-1002A, OW-1003A, and OW-1005A were abandoned due to the use of 3.25-in hollow stem auger, which would not adequately accommodate well installation.

Boring OW-1006A was abandoned due to the of shortage hollow stem auger flights.

Boring OW-1008A is the upper portion of boring OW-1008 and was not abandoned. The "A" is designated to show that the upper portion of this boring was drilled using 3.25-in hollow-stem augers while the lower portion was drilled using the rotosonic drilling method.

Boring log OW-1003 contained in SSAR Appendix 2.4A (report Appendix E) should read OW-1003A.

The drilling method for boring OW-1006 is assumed to be 4.25" HSA (not described in SSAR Appendix 2.4A (report Appendix E)).

Table 2.3.1-29 Minimum and Maximum Water Levels Recorded at Observation Wells 802A, 805A, 808, LT-7A, LT-12, and LT-13.

Observation Well	Minimum Water Level Elevation (ft msl)	Date	Maximum Water Level Elevation (ft msl)	Date
802A	156.1	5-Dec-02	160.8	17-Jun-99
805A	156.9	5-Dec-02	162.5	17-Jun-99
808	155.0	12-Jun-01	160.6	9-Dec-03
LT7A	152.0	30-Jun-85	159.6	19-Feb-86
LT12	155.8	10-Mar-03	162.4	26-Feb-86
LT13	154.3	10-Mar-03	159.0	1-Feb-88

Note:
Water level data provided in SSAR Table 2.4.12-15.