Attachment 2–River stages, Lake stages, Lake capacity curves

Attachment 2–Congaree at Columbia Hourly Stage Data,
10/10/76-10/12/76

02169500 Congaree River at Columbia, SC

TIME SERIES RECORD

YEAR	MONTH	DAY	MINUTE	GAGE HEIGHT
1976	10	10	60	19.01
1976	10	10	120	19.12
1976	10	10	180	19.32
1976	10	10	240	19.63
1976	10	10	300	19.93
1976	10	10	360	20.23
1976	10	10	420	20.6
1976	10	10	480	20.92
1976	10	10	540	21.1
1976	10	10	600	21.7
1976	10	10	660	22.2
1976	10	10	720	22.61
1976	10	10	780	23.13
1976	10	10	840	23.73
1976	10	10	900	24.31
1976	10	10	960	24.82
1976	10	10	1020	25.19
1976	10	10	1080	25.62
1976	10	10	1140	26.38
1976	10	10	1200	27.03
1976	10	10	1260	27.62
1976	10	10	1320	28.02
1976	10	10	1380	28.22
1976	10	10	1440	28.13
1976	10	11	60	28.5
1976	10	11	120	28.62
1976	10	11	180	28.83
1976	10	11	240	28.93
1976	10	11	300	29.03
1976	10	11	360	29.13
1976	10	11	420	29.22
1976	10	11	480	29.32
1976	10	11	540	29.42
1976	10	11	600	29.52
1976	10	11	660	29.62
1976	10	11	720	29.74
1976	10	11	780	29.66
1976	10	11	840	29.58
1976	10	11	900	29.5
1976	10	11	960	29.4
1976	10	11	1020	29.32
1976	10	11	1080	29.2
1976	10	11	1140	29.05
1976	10	11	1200	28.9
1976	10	11	1260	28.75
1976	10	11	1320	28.6
1976	10	11	1380	28.45
1976	10	11	1440	28.3
1976	10	12	60	28.15
1976	10	12	120	28
1976	10	12	180	27.78
1976	10	12	240	27.55
1976	10	12	300	27.26
1976	10	12	360	26.96
1976	10	12	420	26.43
1976	10	12	480	25.9

1976	10	12	540	25.51
1976	10	12	600	25.08
1976	10	12	660	24.9
1976	10	12	720	24.91
1976	10	12	780	24.6
1976	10	12	840	24.18
1976	10	12	900	23.58
1976	10	12	960	22.8
1976	10	12	1020	22.2
1976	10	12	1080	21.71
1976	10	12	1140	21.1
1976	10	12	1200	20.42
1976	10	12	1260	20.1
1976	10	12	1320	19.82
1976	10	12	1380	19.13
1976	10	12	1440	18.4

Attachment 2–Lake Murray Daily Stage Data, 9/1/29-10/31/29

02168500 Lake Murray, SC

TIME SERIES RECORD

YEAR	MONTH	DAY	GAGE HEIGHT
1929	9	1	195.2
1929	9	2	200.8
1929	9	3	204.1
1929	9	4	207
1929	9	5	210.1
1929	9	6	213.9
1929	9	7	217.4
1929	9	8	220.4
1929	9	9	223.3
1929	9	10	225
1929	9	11	227.2
1929	9	12	229
1929	9	13	230.1
1929	9	14	231.7
1929	9	15	233.2
1929	9	16	234.8
1929	9	17	236
1929	9	18	237.8
1929	9	19	240.4
1929	9	20	242.9
1929	9	21	244.5
1929	9	22	245.7
1929	9	23	246.4
1929	9	24	247.2
1929	9	25	248
1929	9	26	249.4
1929	9	27	255.9
1929	9	28	272.2
1929	9	29	284.6
1929	9	30	292.2
1929	10	1	295.7
1929	10	2	299.9
1929	10	3	305
1929	10	4	307
1929	10	5	305
1929	10	6	300.6
1929	10	7	295.2
1929	10	8	289.2
1929	10	9	282.1
1929	10	10	274.6
1929	10	11	268.9
1929	10	12	265.7
1929	10	13	263.4
1929	10	14	260.1
1929	10	15	255.8
1929	10	16	254.2
1929	10	17	254.6
1929	10	18	253.4
1929	10	19	253.1
1929	10	20	253.8
1929	10	21	254.9
1929	10	22	256.3
1929	10	23	256.8
1929	10	24	256.8
1929	10	25	257.6
1929	10	26	257.2

1929	10	27	256
1929	10	28	255.9
1929	10	29	256.9
1929	10	30	258
1929	10	31	258.8

Attachment 2–Lake Murray Capacity Curve, October 1, 1930

RECEIVED
USGS - WRD
JUL 12 1965
Columbia, S.C.

STATION	PERCENT	SQ. MILES
Caesar's Head	8.9	213.2
Landrum	.9	21.6
Laurens	15.7	376.2
Greenville	9.7	232.4
Pelzer	14.0	335.4
Greenwood	9.2	220.4
Chappells	11.4	273.2
Saluda	13.6	325.9
Little Mountain	15.0	359.4
Columbia	1.6	38.3
TOTAL	100.0	2396.0

LEXINGTON WATER POWER COMPANY

ESTIMATED WATER STORAGE ABOVE ELEVATION 300
AT SALUDA DAM

Expressed in Billion Cubic Feet

Calculations based on Reservoir Area Curve of
Murray & Flood No. C-A-3-119, Oct. 1, 1930
Revised Nov. 1931
K = MKWH/BCF = 0.01905 x H, Assuming Constant Eff.
81% and Constant T. W. El. 180.0

ELEVATIONS IN FEET

Sea Level	164
Normal Tail Water	17[illegible]
Turbine Room Floor	195
Generator Floor	20[illegible]
Minimum Water Level	300
Floor of Spillway Approach	330
Crest of Spillway	340
Normal High Water	360
Top of Closed Spillway Gates	365
Top of Dam	375
Top Floor of Intake Towers	383
Crest of New Spillway	330
Top of Closed New Spill Gates	362

* Increased from 372 in 1945

Lake Elev.	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	.01	K	Lake Elev.
300	.000	.055	.111	.166	.222	.277	.333	.388	.444	.499	.0055	1.91	300
301	.555	.612	.668	.725	.782	.838	.895	.952	1.009	1.065	.0057	1.94	301
302	1.122	1.180	1.238	1.296	1.354	1.412	1.470	1.527	1.585	1.643	.0058	1.97	302
303	1.701	1.760	1.820	1.879	1.938	1.997	2.056	2.115	2.174	2.234	.0059	2.00	303
304	2.293	2.353	2.413	2.474	2.534	2.595	2.655	2.715	2.776	2.836	.0060	2.02	304
305	2.896	2.958	3.020	3.082	3.143	3.205	3.267	3.328	3.390	3.452	.0062	2.05	305
306	3.513	3.576	3.639	3.703	3.766	3.829	3.892	3.955	4.018	4.081	.0063	2.08	306
307	4.144	4.208	4.273	4.337	4.402	4.466	4.531	4.595	4.660	4.724	.0064	2.11	307
308	4.789	4.854	4.920	4.986	5.052	5.118	5.184	5.250	5.315	5.381	.0066	2.14	308
309	5.447	5.514	5.582	5.649	5.716	5.783	5.851	5.918	5.985	6.053	.0067	2.17	309
310	6.120	6.189	6.257	6.326	6.395	6.463	6.532	6.601	6.670	6.738	.0069	2.20	310
311	6.807	6.879	6.948	7.018	7.088	7.159	7.229	7.299	7.370	7.440	.0070	2.23	311
312	7.510	7.582	7.654	7.726	7.798	7.870	7.942	8.013	8.085	8.157	.0072	2.26	312
313	8.229	8.302	8.376	8.449	8.523	8.596	8.670	8.743	8.817	8.890	.0073	2.29	313
314	8.963	9.038	9.113	9.188	9.263	9.338	9.413	9.488	9.563	9.638	.0075	2.32	314
315	9.713	9.790	9.867	9.944	10.020	10.097	10.174	10.251	10.327	10.404	.0077	2.35	315
316	10.481	10.560	10.638	10.717	10.796	10.874	10.953	11.032	11.110	11.189	.0079	2.38	316
317	11.268	11.348	11.429	11.509	11.590	11.671	11.751	11.832	11.912	11.993	.0081	2.41	317
318	12.074	12.156	12.239	12.321	12.404	12.486	12.569	12.651	12.734	12.816	.0082	2.44	318
319	12.899	12.983	13.067	13.151	13.236	13.321	13.405	13.489	13.574	13.658	.0084	2.47	319
320	13.743	13.829	13.916	14.002	14.088	14.175	14.261	14.348	14.434	14.521	.0086	2.50	320
321	14.607	14.696	14.784	14.873	14.961	15.050	15.138	15.227	15.315	15.404	.0089	2.53	321
322	15.492	15.583	15.673	15.764	15.854	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			

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315	9.713	9.790	9.867	9.944	10.020	10.097	10.174	10.251	10.327	10.404	.0077	2.35	315
316	10.481	10.560	10.638	10.717	10.796	10.874	10.953	11.032	11.110	11.189	.0079	2.38	316
317	11.268	11.348	11.429	11.509	11.590	11.671	11.751	11.832	11.912	11.993	.0081	2.41	317
318	12.074	12.156	12.239	12.321	12.404	12.486	12.569	12.651	12.734	12.816	.0082	2.44	318
319	12.899	12.983	13.067	13.151	13.236	13.321	13.405	13.489	13.574	13.658	.0084	2.47	319
320	13.743	13.829	13.916	14.002	14.088	14.175	14.261	14.348	14.434	14.521	.0086	2.50	320
321	14.607	14.696	14.784	14.873	14.961	15.050	15.138	15.227	15.315	15.404	.0089	2.53	321
322	15.492	15.583	15.673	15.764	15.854	15.945	16.036	16.126	16.217	16.307	.0091	2.56	322
323	16.398	16.491	16.583	16.676	16.769	16.862	16.954	17.047	17.140	17.232	.0093	2.59	323
324	17.325	17.420	17.515	17.609	17.704	17.799	17.894	17.989	18.083	18.178	.0095	2.62	324
325	18.273	18.370	18.467	18.564	18.661	18.758	18.855	18.952	19.049	19.146	.0097	2.65	325
326	19.243	19.342	19.441	19.540	19.640	19.739	19.838	19.937	20.036	20.136	.0099	2.68	326
327	20.235	20.336	20.438	20.539	20.641	20.742	20.844	20.945	21.047	21.148	.0101	2.71	327
328	21.250	21.354	21.457	21.561	21.665	21.769	21.872	21.976	22.080	22.184	.0104	2.74	328
329	22.287	22.393	22.499	22.605	22.711	22.817	22.924	23.030	23.136	23.242	.0106	2.77	329
330	23.348	23.456	23.565	23.673	23.781	23.890	23.998	24.107	24.215	24.324	.0108	2.80	330
331	24.432	24.543	24.654	24.765	24.877	24.988	25.099	25.210	25.321	25.432	.0111	2.83	331
332	25.543	25.657	25.770	25.884	25.998	26.111	26.225	26.339	26.453	26.566	.0114	2.86	332
333	26.680	26.796	26.913	27.029	27.145	27.261	27.378	27.494	27.610	27.727	.0116	2.89	333
334	27.843	27.962	28.081	28.200	28.319	28.438	28.557	28.675	28.794	28.913	.0119	2.92	334
335	29.032	29.154	29.276	29.398	29.519	29.641	29.763	29.885	30.007	30.128	.0122	2.95	335
336	30.250	30.375	30.500	30.625	30.750	30.875	31.000	31.125	31.250	31.374	.0125	2.98	336
337	31.499	31.627	31.756	31.884	32.012	32.140	32.268	32.396	32.524	32.652	.0128	3.01	337
338	32.780	32.911	33.042	33.174	33.305	33.436	33.567	33.698	33.830	33.961	.0131	3.04	338
339	34.092	34.226	34.361	34.495	34.629	34.764	34.898	35.032	35.167	35.301	.0134	3.07	339
340	35.435	35.573	35.711	35.824	35.986	36.123	36.261	36.398	36.536	36.674	.0138	3.10	340
341	36.811	36.952	37.093	37.234	37.375	37.515	37.656	37.797	37.938	38.079	.0141	3.13	341
342	38.220	38.364	38.508	38.652	38.797	38.941	39.085	39.229	39.373	39.517	.0144	3.16	342
343	39.662	39.809	39.957	40.104	40.252	40.399	40.547	40.694	40.842	40.989	.0147	3.19	343
344	41.136	41.287	41.438	41.589	41.740	41.890	42.041	42.192	42.343	42.494	.0151	3.22	344
345	42.644	42.799	42.953	43.108	43.262	43.417	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

OCT 16 '00 08:57AM US GEOLOGICAL COLA P.4/4

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	19.952	19.049	19.146	.0097	2.65	325
326	19.243	19.342	19.441	19.540	19.640	19.739	19.838	19.937	20.036	20.136	.0099	2.68	326
327	20.235	20.336	20.438	20.539	20.641	20.742	20.844	20.945	21.047	21.148	.0101	2.71	327
328	21.250	21.354	21.457	21.561	21.665	21.769	21.872	21.976	22.080	22.184	.0104	2.74	328
329	22.287	22.393	22.499	22.605	22.711	22.817	22.924	23.030	23.136	23.242	.0106	2.77	329
330	23.348	23.456	23.565	23.673	23.781	23.890	23.998	24.107	24.215	24.324	.0108	2.80	330
331	24.432	24.543	24.654	24.765	24.877	24.988	25.099	25.210	25.321	25.432	.0111	2.83	331
332	25.543	25.657	25.770	25.884	25.998	26.111	26.225	26.339	26.453	26.566	.0114	2.86	332
333	26.680	26.796	26.913	27.029	27.145	27.261	27.378	27.494	27.610	27.727	.0116	2.89	333
334	27.843	27.962	28.081	28.200	28.319	28.438	28.557	28.675	28.794	28.913	.0119	2.92	334
335	29.032	29.154	29.276	29.398	29.519	29.641	29.763	29.885	30.007	30.128	.0122	2.95	335
336	30.250	30.375	30.500	30.625	30.750	30.875	31.000	31.125	31.250	31.374	.0125	2.98	336
337	31.499	31.627	31.756	31.884	32.012	32.140	32.268	32.396	32.524	32.652	.0128	3.01	337
338	32.780	32.911	33.042	33.174	33.305	33.436	33.567	33.698	33.830	33.961	.0131	3.04	338
339	34.092	34.226	34.361	34.495	34.629	34.764	34.898	35.032	35.167	35.301	.0134	3.07	339
340	35.435	35.573	35.711	35.824	35.986	36.123	36.261	36.398	36.536	36.674	.0138	3.10	340
341	36.811	36.952	37.093	37.234	37.375	37.515	37.656	37.797	37.938	38.079	.0141	3.13	341
342	38.220	38.364	38.508	38.652	38.797	38.941	39.085	39.229	39.373	39.517	.0144	3.16	342
343	39.662	39.809	39.957	40.104	40.252	40.399	40.547	40.694	40.842	40.989	.0147	3.19	343
344	41.136	41.287	41.438	41.589	41.740	41.890	42.041	42.192	42.343	42.494	.0151	3.22	344
345	42.644	42.799	42.953	43.108	43.262	43.417	43.571	43.726	43.880	44.035	.0154	3.25	345
346	44.189	44.348	44.506	44.665	44.823	44.981	45.140	45.298	45.457	45.615	.0158	3.27	346
347	45.774	45.936	46.099	46.261	46.424	46.586	46.749	46.911	47.074	47.236	.0162	3.30	347
348	47.399	47.565	47.732	47.898	48.065	48.231	48.398	48.564	48.731	48.897	.0166	3.33	348
349	49.064	49.234	49.404	49.575	49.745	49.916	50.086	50.257	50.427	50.598	.0170	3.36	349
350	50.768	50.943	51.118	51.292	51.467	51.642	51.816	51.991	52.166	52.341	.0175	3.39	350
351	52.515	52.694	52.873	53.052	53.231	53.410	53.589	53.768	53.947	54.126	.0179	3.42	351
352	54.305	54.489	54.672	54.856	55.039	55.222	55.406	55.589	55.773	55.956	.0183	3.45	352
353	56.139	56.327	56.515	56.703	56.890	57.078	57.266	57.454	57.641	57.829	.0188	3.48	353
354	58.017	58.209	58.401	58.593	58.785	58.977	59.169	59.361	59.554	59.746	.0192	3.51	354
355	59.938	60.135	60.332	60.528	60.725	60.922	61.119	61.316	61.513	61.710	.0197	3.54	355
356 2.021	61.907	62.109	62.311	62.513	62.715	62.917	63.119	63.321	63.524	63.726	.0202	3.57	356
357 2.073	63.928	64.135	64.343	64.550	64.757	64.965	65.172	65.379	65.587	65.794	.0207	3.60	357
358 2.126	66.001	66.214	66.427	66.639	66.852	67.064	67.277	67.489	67.702	67.915	.0213	3.63	358
359 2.178	68.127	68.345	68.563	68.780	68.998	69.216	69.434	69.652	69.869	70.087	.0218	3.66	359
360 2.231	70.305										.0223	3.69	360
361 2.283	72.536										.0228		361
362	74.819												
	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	.01	K	

3-28-47 F. R. McMeeken advises total storage = 92,100,000,000 cu. ft.

∴ Dead storage =

Reading, Pa. March 6, 1941 Calculations by Allen W. Reid

Attachment 2–Lake Murray Capacity Curve, October 1, 1997

02168500
LAKE MURRAY NEAR COLUMBIA, SC
NO OFFSETS USED

DD: 13 TYPE: 001 RATING NO: 2
START DATE/TIME: 10-01-1997 (0100)

CAPACITY EXPRESSED IN BILLION CUBIC FEET

INPUT VALUE	GAGE HEIGHT .00	.01	.02	(EXPANDED PRECISION) .03	.04	.05	.06	.07	.08	.09	DIFF IN Y PER .1 UNITS
357.50	62.027	62.050	62.072	62.094	62.116	62.138	62.160	62.182	62.204	62.226	.221
357.60	62.248	62.270	62.292	62.314	62.336	62.358	62.380	62.402	62.424	62.446	.220
357.70	62.468	62.491	62.513	62.535	62.557	62.579	62.601	62.623	62.645	62.667	.221
357.80	62.689	62.711	62.733	62.755	62.777	62.799	62.821	62.843	62.865	62.887	.220
357.90	62.909	62.932	62.954	62.976	62.998	63.020	63.042	63.064	63.086	63.108	.221
358.00	63.130*	63.155	63.181	63.206	63.232	63.257	63.282	63.308	63.333	63.359	.254
358.10	63.384	63.409	63.435	63.460	63.486	63.511	63.536	63.562	63.587	63.613	.254
358.20	63.638	63.663	63.689	63.714	63.740	63.765	63.790	63.816	63.841	63.867	.254
358.30	63.892	63.917	63.943	63.968	63.994	64.019	64.044	64.070	64.095	64.121	.254
358.40	64.146	64.171	64.197	64.222	64.248	64.273	64.298	64.324	64.349	64.374	.254
358.50	64.400	64.425	64.451	64.476	64.502	64.527	64.552	64.578	64.603	64.629	.254
358.60	64.654	64.679	64.705	64.730	64.756	64.781	64.806	64.832	64.857	64.883	.254
358.70	64.908	64.933	64.959	64.984	65.010	65.035	65.060	65.086	65.111	65.137	.254
358.80	65.162	65.187	65.213	65.238	65.264	65.289	65.314	65.340	65.365	65.391	.254
358.90	65.416	65.441	65.467	65.492	65.518	65.543	65.568	65.594	65.619	65.645	.254
359.00	65.670	65.695	65.721	65.746	65.772	65.797	65.822	65.848	65.873	65.899	.254
359.10	65.924	65.949	65.975	66.000	66.026	66.051	66.076	66.102	66.127	66.153	.254
359.20	66.178	66.203	66.229	66.254	66.280	66.305	66.330	66.356	66.381	66.407	.254
359.30	66.432	66.457	66.483	66.508	66.534	66.559	66.584	66.610	66.635	66.661	.254
359.40	66.686	66.711	66.737	66.762	66.788	66.813	66.838	66.864	66.889	66.914	.254
359.50	66.940	66.965	66.991	67.016	67.042	67.067	67.092	67.118	67.143	67.169	.254
359.60	67.194	67.219	67.245	67.270	67.296	67.321	67.346	67.372	67.397	67.423	.254
359.70	67.448	67.473	67.499	67.524	67.550	67.575	67.600	67.626	67.651	67.677	.254
359.80	67.702	67.727	67.753	67.778	67.804	67.829	67.854	67.880	67.905	67.931	.254
359.90	67.956	67.981	68.007	68.032	68.058	68.083	68.108	68.134	68.159	68.184	.254*
360.00	68.210*										

02168500
LAKE MURRAY NEAR COLUMBIA, SC
NO OFFSETS USED

DD: 13 TYPE: 001 RATING NO: 2
START DATE/TIME: 10-01-1997 (0100)

CAPACITY EXPRESSED IN BILLION CUBIC FEET

INPUT VALUE	GAGE HEIGHT .00	.01	.02	(EXPANDED PRECISION) .03	.04	.05	.06	.07	.08	.09	DIFF IN Y PER .1 UNITS
353.80	54.296	54.316	54.335	54.355	54.374	54.394	54.413	54.433	54.452	54.472	.195
353.90	54.491	54.511	54.530	54.550	54.569	54.589	54.609	54.628	54.648	54.667	.196
354.00	54.687	54.706	54.726	54.745	54.765	54.784	54.804	54.823	54.843	54.862	.195
354.10	54.882	54.902	54.921	54.941	54.960	54.980	54.999	55.019	55.038	55.058	.195
354.20	55.077	55.097	55.116	55.136	55.155	55.175	55.194	55.214	55.234	55.253	.196
354.30	55.273	55.292	55.312	55.331	55.351	55.370	55.390	55.409	55.429	55.448	.195
354.40	55.468	55.488	55.507	55.527	55.546	55.566	55.585	55.605	55.624	55.644	.195
354.50	55.663	55.683	55.702	55.722	55.741	55.761	55.780	55.800	55.820	55.839	.196
354.60	55.859	55.878	55.898	55.917	55.937	55.956	55.976	55.995	56.015	56.034	.195
354.70	56.054	56.074	56.093	56.113	56.132	56.152	56.171	56.191	56.210	56.230	.195
354.80	56.249	56.269	56.288	56.308	56.327	56.347	56.367	56.386	56.406	56.425	.196
354.90	56.445	56.464	56.484	56.503	56.523	56.542	56.562	56.581	56.601	56.620	.195
355.00	56.640*	56.661	56.682	56.702	56.723	56.744	56.765	56.786	56.806	56.827	.208
355.10	56.848	56.869	56.890	56.910	56.931	56.952	56.973	56.994	57.014	57.035	.208
355.20	57.056	57.077	57.098	57.118	57.139	57.160	57.181	57.202	57.222	57.243	.208
355.30	57.264	57.285	57.306	57.326	57.347	57.368	57.389	57.410	57.430	57.451	.208
355.40	57.472	57.493	57.514	57.534	57.555	57.576	57.597	57.618	57.638	57.659	.208
355.50	57.680	57.701	57.722	57.742	57.763	57.784	57.805	57.826	57.846	57.867	.208
355.60	57.888	57.909	57.930	57.950	57.971	57.992	58.013	58.034	58.054	58.075	.208
355.70	58.096	58.117	58.138	58.158	58.179	58.200	58.221	58.242	58.262	58.283	.208
355.80	58.304	58.325	58.346	58.366	58.387	58.408	58.429	58.450	58.470	58.491	.208
355.90	58.512	58.533	58.554	58.574	58.595	58.616	58.637	58.658	58.678	58.699	.208
356.00	58.720*	58.742	58.764	58.786	58.808	58.830	58.852	58.874	58.896	58.918	.220
356.10	58.940	58.963	58.985	59.007	59.029	59.051	59.073	59.095	59.117	59.139	.221
356.20	59.161	59.183	59.205	59.227	59.249	59.271	59.293	59.315	59.337	59.359	.220
356.30	59.381	59.404	59.426	59.448	59.470	59.492	59.514	59.536	59.558	59.580	.221
356.40	59.602	59.624	59.646	59.668	59.690	59.712	59.734	59.756	59.778	59.800	.221
356.50	59.822	59.845	59.867	59.889	59.911	59.933	59.955	59.977	59.999	60.021	.221
356.60	60.043	60.065	60.087	60.109	60.131	60.153	60.175	60.197	60.219	60.241	.220
356.70	60.263	60.286	60.308	60.330	60.352	60.374	60.396	60.418	60.440	60.462	.221
356.80	60.484	60.506	60.528	60.550	60.572	60.594	60.616	60.638	60.660	60.682	.220
356.90	60.704	60.727	60.749	60.771	60.793	60.815	60.837	60.859	60.881	60.903	.221
357.00	60.925	60.947	60.969	60.991	61.013	61.035	61.057	61.079	61.101	61.123	.220
357.10	61.145	61.168	61.190	61.212	61.234	61.256	61.278	61.300	61.322	61.344	.221
357.20	61.366	61.388	61.410	61.432	61.454	61.476	61.498	-61.520	61.542	61.564	.220
357.30	61.586	61.609	61.631	61.653	61.675	61.697	61.719	61.741	61.763	61.785	.221
357.40	61.807	61.829	61.851	61.873	61.895	61.917	61.939	61.961	61.983	62.005	.221

02168500
LAKE MURRAY NEAR COLUMBIA, SC
NO OFFSETS USED

201 13 TYPE: 001 RATING NO: 2
START DATE/TIME: 10-01-1997 (0100)

CAPACITY EXPRESSED IN BILLION CUBIC FEET

(EXPANDED PRECISION)

INPUT VALUE	GAGE HEIGHT .00	.01	.02	.03	.04	.05	.06	.07	.08	.09	DIFF IN Y PER .1 UNITS
350.00	47.150*	47.168	47.186	47.204	47.223	47.241	47.259	47.277	47.295	47.313	.181
350.10	47.331	47.350	47.368	47.386	47.404	47.422	47.440	47.459	47.477	47.495	.182
350.20	47.513	47.531	47.549	47.567	47.586	47.604	47.622	47.640	47.658	47.676	.181
350.30	47.694	47.713	47.731	47.749	47.767	47.785	47.803	47.822	47.840	47.858	.182
350.40	47.876	47.894	47.912	47.930	47.949	47.967	47.985	48.003	48.021	48.039	.182
350.50	48.057	48.076	48.094	48.112	48.130	48.148	48.166	48.185	48.203	48.221	.182
350.60	48.239	48.257	48.275	48.293	48.312	48.330	48.348	48.366	48.384	48.402	.181
350.70	48.420	48.439	48.457	48.475	48.493	48.511	48.529	48.548	48.566	48.584	.182
350.80	48.602	48.620	48.638	48.656	48.675	48.693	48.711	48.729	48.747	48.765	.181
350.90	48.783	48.802	48.820	48.838	48.856	48.874	48.892	48.911	48.929	48.947	.182
351.00	48.965	48.983	49.001	49.019	49.038	49.056	49.074	49.092	49.110	49.128	.181
351.10	49.146	49.165	49.183	49.201	49.219	49.237	49.255	49.274	49.292	49.310	.182
351.20	49.328	49.346	49.364	49.382	49.401	49.419	49.437	49.455	49.473	49.491	.181
351.30	49.509	49.528	49.546	49.564	49.582	49.600	49.618	49.637	49.655	49.673	.182
351.40	49.691	49.709	49.727	49.745	49.764	49.782	49.800	49.818	49.836	49.854	.181
351.50	49.872	49.891	49.909	49.927	49.945	49.963	49.981	50.000	50.018	50.036	.182
351.60	50.054	50.072	50.090	50.108	50.127	50.145	50.163	50.181	50.199	50.217	.181
351.70	50.235	50.254	50.272	50.290	50.308	50.326	50.344	50.363	50.381	50.399	.182
351.80	50.417	50.435	50.453	50.471	50.490	50.508	50.526	50.544	50.562	50.580	.181
351.90	50.598	50.617	50.635	50.653	50.671	50.689	50.707	50.726	50.744	50.762	.182
352.00	50.780*	50.799	50.819	50.839	50.858	50.878	50.897	50.917	50.936	50.956	.195
352.10	50.975	50.995	51.014	51.034	51.053	51.073	51.092	51.112	51.132	51.151	.196
352.20	51.171	51.190	51.210	51.229	51.249	51.268	51.288	51.307	51.327	51.346	.195
352.30	51.366	51.386	51.405	51.425	51.444	51.464	51.483	51.503	51.522	51.542	.195
352.40	51.561	51.581	51.600	51.620	51.639	51.659	51.679	51.698	51.718	51.737	.196
352.50	51.757	51.776	51.796	51.815	51.835	51.854	51.874	51.893	51.913	51.932	.195
352.60	51.952	51.972	51.991	52.011	52.030	52.050	52.069	52.089	52.108	52.128	.195
352.70	52.147	52.167	52.186	52.206	52.225	52.245	52.264	52.284	52.304	52.323	.196
352.80	52.343	52.362	52.382	52.401	52.421	52.440	52.460	52.479	52.499	52.518	.195
352.90	52.538	52.558	52.577	52.597	52.616	52.636	52.655	52.675	52.694	52.714	.195
353.00	52.733	52.753	52.772	52.792	52.811	52.831	52.850	52.870	52.890	52.909	.196
353.10	52.929	52.948	52.968	52.987	53.007	53.026	53.046	53.065	53.085	53.104	.195
353.20	53.124	53.144	53.163	53.183	53.202	53.222	53.241	53.261	53.280	53.300	.195
353.30	53.319	53.339	53.358	53.378	53.397	53.417	53.437	53.456	53.476	53.495	.196
353.40	53.515	53.534	53.554	53.573	53.593	53.612	53.632	53.651	53.671	53.690	.195
353.50	53.710	53.729	53.749	53.769	53.788	53.808	53.827	53.847	53.866	53.886	.195
353.60	53.905	53.925	53.944	53.964	53.983	54.003	54.022	54.042	54.062	54.081	.196
353.70	54.101	54.120	54.140	54.159	54.179	54.198	54.218	54.237	54.257	54.276	.195

0316B510
LAKE MURRAY NEAR COLUMBIA, SC
NO OFFSETS USED

CAPACITY EXPRESSED IN BILLION CUBIC FEET

(EXPANDED PRECISION)

INPUT VALUE	GAGE HEIGHT .00	.01	.02	.03	.04	.05	.06	.07	.08	.09	DIFF IN Y PER .1 UNITS
346.30	41.045	41.061	41.078	41.094	41.111	41.127	41.144	41.160	41.177	41.193	.165
346.40	41.210	41.227	41.243	41.259	41.276	41.292	41.309	41.326	41.342	41.358	.165
346.50	41.375	41.391	41.408	41.424	41.441	41.457	41.474	41.490	41.507	41.523	.165
346.60	41.540	41.556	41.573	41.589	41.606	41.622	41.639	41.655	41.672	41.688	.165
346.70	41.705	41.721	41.738	41.754	41.771	41.787	41.804	41.820	41.837	41.853	.165
346.80	41.870	41.886	41.903	41.919	41.936	41.952	41.969	41.985	42.002	42.018	.165
346.90	42.035	42.052	42.068	42.084	42.101	42.117	42.134	42.151	42.167	42.183	.165
347.00	42.200	42.216	42.233	42.249	42.266	42.282	42.299	42.315	42.332	42.348	.165
347.10	42.365	42.381	42.398	42.414	42.431	42.447	42.464	42.480	42.497	42.513	.165
347.20	42.530	42.546	42.563	42.579	42.596	42.612	42.629	42.645	42.662	42.678	.165
347.30	42.695	42.711	42.728	42.744	42.761	42.777	42.794	42.810	42.827	42.843	.165
347.40	42.860	42.877	42.893	42.909	42.926	42.942	42.959	42.976	42.992	43.008	.165
347.50	43.025	43.041	43.058	43.074	43.091	43.107	43.124	43.140	43.157	43.173	.165
347.60	43.190	43.206	43.223	43.239	43.256	43.272	43.289	43.305	43.322	43.338	.165
347.70	43.355	43.371	43.388	43.404	43.421	43.437	43.454	43.470	43.487	43.503	.165
347.80	43.520	43.536	43.553	43.569	43.586	43.602	43.619	43.635	43.652	43.668	.165
347.90	43.685	43.702	43.718	43.734	43.751	43.767	43.784	43.801	43.817	43.833	.165
348.00	43.850	43.866	43.883	43.899	43.916	43.932	43.949	43.965	43.982	43.998	.165
348.10	44.015	44.031	44.048	44.064	44.081	44.097	44.114	44.130	44.147	44.163	.165
348.20	44.180	44.196	44.213	44.229	44.246	44.262	44.277	44.295	44.312	44.328	.165
348.30	44.345	44.361	44.378	44.394	44.411	44.427	44.444	44.460	44.477	44.493	.165
348.40	44.510	44.527	44.543	44.559	44.576	44.592	44.609	44.626	44.642	44.658	.165
348.50	44.675	44.691	44.708	44.724	44.741	44.757	44.774	44.790	44.807	44.823	.165
348.60	44.840	44.856	44.873	44.889	44.906	44.922	44.939	44.955	44.972	44.988	.165
348.70	45.005	45.021	45.038	45.054	45.071	45.087	45.104	45.120	45.137	45.153	.165
348.80	45.170	45.186	45.203	45.219	45.236	45.252	45.269	45.285	45.302	45.318	.165
348.90	45.335	45.352	45.368	45.384	45.401	45.417	45.434	45.451	45.467	45.483	.165
349.00	45.500	45.516	45.533	45.549	45.566	45.582	45.599	45.615	45.632	45.648	.165
349.10	45.665	45.681	45.698	45.714	45.731	45.747	45.764	45.780	45.797	45.813	.165
349.20	45.830	45.846	45.863	45.879	45.896	45.912	45.929	45.945	45.962	45.978	.165
349.30	45.995	46.011	46.028	46.044	46.061	46.077	46.094	46.110	46.127	46.143	.165
349.40	46.160	46.177	46.193	46.209	46.226	46.242	46.259	46.276	46.292	46.308	.165
349.50	46.325	46.341	46.358	46.374	46.391	46.407	46.424	46.440	46.457	46.473	.165
349.60	46.490	46.506	46.523	46.539	46.556	46.572	46.589	46.605	46.622	46.638	.165
349.70	46.655	46.671	46.688	46.704	46.721	46.737	46.754	46.770	46.787	46.803	.165
349.80	46.820	46.836	46.853	46.869	46.886	46.902	46.919	46.935	46.952	46.968	.165
349.90	46.985	47.002	47.018	47.034	47.051	47.067	47.084	47.101	47.117	47.133	.165

02169500
LAKE MURRAY NEAR COLUMBIA, SC
NO OFFSETS USED

DATE PROCESSED: 02-13-1998 @ 12:30 BY BJACKSON
DD: 13 TYPE: 001 RATING NO: 2
START DATE/TIME: 10-01-1997 (0100)

CAPACITY EXPRESSED IN BILLION CUBIC FEET

(EXPANDED PRECISION)

INPUT VALUE	GAGE HEIGHT .00	.01	.02	.03	.04	.05	.06	.07	.08	.09	DIFF IN Y PER .1 UNITS
342.50	35.270	35.284	35.299	35.314	35.328	35.343	35.357	35.372	35.386	35.401	.145
342.60	35.415	35.430	35.444	35.459	35.473	35.488	35.502	35.517	35.531	35.546	.145
342.70	35.560	35.575	35.589	35.604	35.618	35.633	35.647	35.662	35.677	35.691	.146
342.80	35.706	35.720	35.735	35.749	35.764	35.778	35.793	35.807	35.822	35.836	.145
342.90	35.851	35.865	35.880	35.894	35.909	35.923	35.938	35.952	35.967	35.981	.145
343.00	35.996	36.010	36.025	36.040	36.054	36.069	36.083	36.098	36.112	36.127	.145
343.10	36.141	36.156	36.170	36.185	36.199	36.214	36.228	36.243	36.257	36.272	.145
343.20	36.286	36.301	36.315	36.330	36.344	36.359	36.373	36.388	36.403	36.417	.146
343.30	36.432	36.446	36.461	36.475	36.490	36.504	36.519	36.533	36.548	36.562	.145
343.40	36.577	36.591	36.606	36.620	36.635	36.649	36.664	36.678	36.693	36.707	.145
343.50	36.722	36.736	36.751	36.766	36.780	36.795	36.809	36.824	36.838	36.853	.145
343.60	36.867	36.882	36.896	36.911	36.925	36.940	36.954	36.969	36.983	36.998	.145
343.70	37.012	37.027	37.041	37.056	37.070	37.085	37.099	37.114	37.129	37.143	.146
343.80	37.158	37.172	37.187	37.201	37.216	37.230	37.245	37.259	37.274	37.288	.145
343.90	37.303	37.317	37.332	37.346	37.361	37.375	37.390	37.404	37.419	37.433	.145
344.00	37.448	37.462	37.477	37.492	37.506	37.521	37.535	37.550	37.564	37.579	.145
344.10	37.593	37.608	37.622	37.637	37.651	37.666	37.680	37.695	37.709	37.724	.145
344.20	37.738	37.753	37.767	37.782	37.796	37.811	37.825	37.840	37.855	37.869	.146
344.30	37.884	37.898	37.913	37.927	37.942	37.956	37.971	37.985	38.000	38.014	.145
344.40	38.029	38.043	38.058	38.072	38.087	38.101	38.116	38.130	38.145	38.159	.145
344.50	38.174	38.188	38.203	38.218	38.232	38.247	38.261	38.276	38.290	38.305	.145
344.60	38.319	38.334	38.348	38.363	38.377	38.392	38.406	38.421	38.435	38.450	.145
344.70	38.464	38.479	38.493	38.508	38.522	38.537	38.551	38.566	38.581	38.595	.146
344.80	38.610	38.624	38.639	38.653	38.668	38.682	38.697	38.711	38.726	38.740	.145
344.90	38.755	38.769	38.784	38.798	38.813	38.827	38.842	38.856	38.871	38.885	.145
345.00	38.900*	38.916	38.933	38.949	38.966	38.982	38.999	39.015	39.032	39.048	.165
345.10	39.065	39.081	39.098	39.114	39.131	39.147	39.164	39.180	39.197	39.213	.165
345.20	39.230	39.246	39.263	39.279	39.296	39.312	39.329	39.345	39.362	39.378	.165
345.30	39.395	39.411	39.428	39.444	39.461	39.477	39.494	39.510	39.527	39.543	.165
345.40	39.560	39.577	39.593	39.609	39.626	39.642	39.659	39.676	39.692	39.708	.165
345.50	39.725	39.741	39.758	39.774	39.791	39.807	39.824	39.840	39.857	39.873	.165
345.60	39.890	39.906	39.923	39.939	39.956	39.972	39.989	40.005	40.022	40.038	.165
345.70	40.055	40.071	40.088	40.104	40.121	40.137	40.154	40.170	40.187	40.203	.165
345.80	40.220	40.236	40.253	40.269	40.286	40.302	40.319	40.335	40.352	40.368	.165
345.90	40.385	40.402	40.418	40.434	40.451	40.467	40.484	40.501	40.517	40.533	.165
346.00	40.550	40.566	40.583	40.599	40.616	40.632	40.649	40.665	40.682	40.698	.165
346.10	40.715	40.731	40.748	40.764	40.781	40.797	40.814	40.830	40.847	40.863	.165
346.20	40.880	40.896	40.913	40.929	40.946	40.962	40.979	40.995	41.012	41.028	.165

02168[illegible]
LAKE MURRAY NEAR COLUMBIA, SC
NO OFFSETS USED

[illegible] 1[illegible] 13:33 by [illegible]
DD: 13 TYPE: 001 RATING NO: 3
START DATE/TIME: 10-01-1997 (0100)

CAPACITY EXPRESSED IN BILLION CUBIC FEET

INPUT VALUE	GAGE HEIGHT .00	.01	.02	(EXPANDED PRECISION) .03	.04	.05	.06	.07	.08	.09	DIFF IN Y PER .1 UNITS
338.80	30.097	30.110	30.122	30.135	30.148	30.161	30.174	30.187	30.200	30.213	.128
338.90	30.225	30.238	30.251	30.264	30.277	30.290	30.303	30.315	30.328	30.341	.129
339.00	30.354	30.367	30.380	30.393	30.405	30.418	30.431	30.444	30.457	30.470	.129
339.10	30.483	30.495	30.508	30.521	30.534	30.547	30.560	30.573	30.585	30.598	.128
339.20	30.611	30.624	30.637	30.650	30.662	30.675	30.688	30.701	30.714	30.727	.129
339.30	30.740	30.753	30.765	30.778	30.791	30.804	30.817	30.830	30.843	30.856	.128
339.40	30.868	30.881	30.894	30.907	30.920	30.933	30.946	30.958	30.971	30.984	.129
339.50	30.997	31.010	31.023	31.036	31.048	31.061	31.074	31.087	31.100	31.113	.129
339.60	31.126	31.138	31.151	31.164	31.177	31.190	31.203	31.216	31.228	31.241	.128
339.70	31.254	31.267	31.280	31.293	31.306	31.318	31.331	31.344	31.357	31.370	.129
339.80	31.383	31.396	31.408	31.421	31.434	31.447	31.460	31.473	31.486	31.499	.128
339.90	31.511	31.524	31.537	31.550	31.563	31.576	31.589	31.601	31.614	31.627	.129
340.00	31.640*	31.654	31.669	31.684	31.698	31.713	31.727	31.742	31.756	31.771	.145
340.10	31.785	31.800	31.814	31.829	31.843	31.858	31.872	31.887	31.901	31.916	.145
340.20	31.930	31.945	31.959	31.974	31.988	32.003	32.017	32.032	32.047	32.061	.146
340.30	32.076	32.090	32.105	32.119	32.134	32.148	32.163	32.177	32.192	32.206	.145
340.40	32.221	32.235	32.250	32.264	32.279	32.293	32.308	32.322	32.337	32.351	.145
340.50	32.366	32.380	32.395	32.410	32.424	32.439	32.453	32.468	32.482	32.497	.145
340.60	32.511	32.526	32.540	32.555	32.569	32.584	32.598	32.613	32.627	32.642	.145
340.70	32.656	32.671	32.685	32.700	32.714	32.729	32.743	32.758	32.773	32.787	.146
340.80	32.802	32.816	32.831	32.845	32.860	32.874	32.889	32.903	32.918	32.932	.145
340.90	32.947	32.961	32.976	32.990	33.005	33.019	33.034	33.048	33.063	33.077	.145
341.00	33.092	33.106	33.121	33.136	33.150	33.165	33.179	33.194	33.208	33.223	.145
341.10	33.237	33.252	33.266	33.281	33.295	33.310	33.324	33.339	33.353	33.368	.145
341.20	33.382	33.397	33.411	33.426	33.440	33.455	33.469	33.484	33.499	33.513	.146
341.30	33.528	33.542	33.557	33.571	33.586	33.600	33.615	33.629	33.644	33.658	.145
341.40	33.673	33.687	33.702	33.716	33.731	33.745	33.760	33.774	33.789	33.803	.145
341.50	33.818	33.832	33.847	33.862	33.876	33.891	33.905	33.920	33.934	33.949	.145
341.60	33.963	33.978	33.992	34.007	34.021	34.036	34.050	34.065	34.079	34.094	.145
341.70	34.108	34.123	34.137	34.152	34.166	34.181	34.195	34.210	34.225	34.239	.146
341.80	34.254	34.268	34.283	34.297	34.312	34.326	34.341	34.355	34.370	34.384	.145
341.90	34.399	34.413	34.428	34.442	34.457	34.471	34.486	34.500	34.515	34.529	.145
342.00	34.544	34.558	34.573	34.588	34.602	34.617	34.631	34.646	34.660	34.675	.145
342.10	34.689	34.704	34.718	34.733	34.747	34.762	34.776	34.791	34.805	34.820	.145
342.20	34.834	34.849	34.863	34.878	34.892	34.907	34.921	34.936	34.951	34.965	.146
342.30	34.980	34.994	35.009	35.023	35.038	35.052	35.067	35.081	35.096	35.110	.145
342.40	35.125	35.139	35.154	35.168	35.183	35.197	35.212	35.226	35.241	35.255	.145

LAKE MURRAY
NO OFFSETS USED

15 TYPE: 001 RATING NO: 3
START DATE/TIME: 10-01-1997 (0100)

QUANTITY EXPRESSED IN BILLION CUBIC FEET

INPUT VALUE	GAGE HEIGHT .00	.01	.02	.03	.04	.05	.06	.07	.08	.09	DIFF IN Y PER .1 UNITS
335.00	25.210*	25.223	25.236	25.249	25.261	25.274	25.287	25.300	25.313	25.326	.129
335.10	25.339	25.351	25.364	25.377	25.390	25.402	25.415	25.429	25.441	25.454	.128
335.20	25.467	25.480	25.493	25.506	25.519	25.531	25.544	25.557	25.570	25.583	.129
335.30	25.596	25.609	25.621	25.634	25.647	25.660	25.673	25.686	25.699	25.712	.128
335.40	25.724	25.737	25.750	25.763	25.776	25.789	25.801	25.814	25.827	25.840	.129
335.50	25.853	25.866	25.879	25.892	25.904	25.917	25.930	25.943	25.956	25.969	.129
335.60	25.982	25.994	26.007	26.020	26.033	26.046	26.059	26.072	26.084	26.097	.128
335.70	26.110	26.123	26.136	26.149	26.162	26.174	26.187	26.200	26.213	26.226	.129
335.80	26.239	26.252	26.264	26.277	26.290	26.303	26.316	26.329	26.342	26.355	.128
335.90	26.367	26.380	26.393	26.406	26.419	26.432	26.445	26.457	26.470	26.483	.129
336.00	26.496	26.509	26.522	26.535	26.547	26.560	26.573	26.586	26.599	26.612	.129
336.10	26.625	26.637	26.650	26.663	26.676	26.689	26.702	26.715	26.727	26.740	.128
336.20	26.753	26.766	26.779	26.792	26.805	26.817	26.830	26.843	26.856	26.869	.129
336.30	26.882	26.895	26.907	26.920	26.933	26.946	26.959	26.972	26.985	26.998	.128
336.40	27.010	27.023	27.036	27.049	27.062	27.075	27.088	27.100	27.113	27.126	.129
336.50	27.139	27.152	27.165	27.178	27.190	27.203	27.216	27.229	27.242	27.255	.129
336.60	27.268	27.280	27.293	27.306	27.319	27.332	27.345	27.358	27.370	27.383	.128
336.70	27.396	27.409	27.422	27.435	27.448	27.460	27.473	27.486	27.499	27.512	.129
336.80	27.525	27.538	27.550	27.563	27.576	27.589	27.602	27.615	27.628	27.641	.128
336.90	27.653	27.666	27.679	27.692	27.705	27.718	27.731	27.743	27.756	27.769	.129
337.00	27.782	27.795	27.808	27.821	27.833	27.846	27.859	27.872	27.885	27.898	.129
337.10	27.911	27.923	27.936	27.949	27.962	27.975	27.988	28.001	28.013	28.026	.128
337.20	28.039	28.052	28.065	28.078	28.091	28.103	28.116	28.129	28.142	28.155	.129
337.30	28.168	28.181	28.193	28.206	28.219	28.232	28.245	28.258	28.271	28.284	.128
337.40	28.296	28.309	28.322	28.335	28.348	28.361	28.374	28.386	28.399	28.412	.129
337.50	28.425	28.438	28.451	28.464	28.476	28.489	28.502	28.515	28.528	28.541	.129
337.60	28.554	28.566	28.579	28.592	28.605	28.618	28.631	28.644	28.656	28.669	.128
337.70	28.682	28.695	28.708	28.721	28.734	28.746	28.759	28.772	28.785	28.798	.129
337.80	28.811	28.824	28.836	28.849	28.862	28.875	28.888	28.901	28.914	28.927	.128
337.90	28.939	28.952	28.965	28.978	28.991	29.004	29.017	29.029	29.042	29.055	.129
338.00	29.068	29.081	29.094	29.107	29.119	29.132	29.145	29.158	29.171	29.184	.129
338.10	29.197	29.209	29.222	29.235	29.248	29.261	29.274	29.287	29.299	29.312	.128
338.20	29.325	29.338	29.351	29.364	29.377	29.389	29.402	29.415	29.428	29.441	.129
338.30	29.454	29.467	29.479	29.492	29.505	29.518	29.531	29.544	29.557	29.570	.128
338.40	29.582	29.595	29.608	29.621	29.634	29.647	29.660	29.672	29.685	29.698	.129
338.50	29.711	29.724	29.737	29.750	29.762	29.775	29.788	29.801	29.814	29.827	.129
338.60	29.840	29.852	29.865	29.878	29.891	29.904	29.917	29.930	29.942	29.955	.128
338.70	29.968	29.981	29.994	30.007	30.020	30.032	30.045	30.058	30.071	30.084	.129