

RECLAMATION

Managing Water in the West

MISSOURI BASIN PROJECT

North Dakota

EDWARD ARTHUR PATTERSON LAKE – DICKINSON DAM

Area and Capacity Tables



U.S. Department of the Interior
Bureau of Reclamation
Technical Service Center
Denver, Colorado

July 2013

The tables for Patterson Lake were generated by means of the area-capacity program ACAP using the least squares method of curve fitting developed by the Bureau of Reclamation Technical Service Center. This program computes area at 1.0-, 0.1-, and 0.01-foot increments by linear interpolation between basic data contours. Area equations are, $AREA = A2 + (X)(A3+A3)$. The respective capacities and capacity equations are then obtained by integration of the area equations. The initial capacity equation is tested over successive intervals to check whether it fits within an allowable error term. At the next interval beyond, a new capacity equation (integrated from the basic area equation over that interval) begins testing the fit until it too exceeds the error term. The capacity curve thus becomes a series of curves, each fitting a certain region of data. The final area equations are obtained by differentiation of the capacity equations. Capacity equations are of the form $CAPACITY = A1 + A2(X) + A3X^2$ where X is the elevation above an elevation base. The capacity equation coefficients for the reservoir are shown below ($\epsilon = 0.000001$).

EDWARD ARTHUR PATTERSON LAKE, DICKINSON DAM
(Gage Datum = NAVD88 - 1.9 FEET)
2013 AREA-CAPACITY TABLES

EQUATION NUMBER	ELEVATION BASE	CAPACITY BASE	COEFFICIENT A1 (INTERCEPT)	COEFFICIENT A2 (1ST TERM)	COEFFICIENT A3 (2ND TERM)
1	2394.00	0	0.0000	0.0000	0.1000
2	2395.00	0	0.1000	0.2000	0.7000
3	2396.00	1	1.0000	1.6000	1.1500
4	2397.00	3	3.7500	3.9000	7.1500
5	2398.00	14	14.8000	18.2000	11.1500
6	2399.00	44	44.1500	40.5000	4.2000
7	2400.00	88	88.8500	48.9000	3.3000
8	2401.00	141	141.0500	55.5000	4.0500
9	2402.00	200	200.6000	63.6000	5.3500
10	2403.00	269	269.5500	74.3001	4.6999
11	2404.00	348	348.5500	83.7000	5.7000
12	2405.00	437	437.9500	95.1000	7.8500
13	2406.00	540	540.9000	110.7999	14.3501
14	2407.00	666	666.0501	139.4999	20.7001
15	2408.00	826	826.2501	180.8999	28.4501
16	2409.00	1035	1035.6001	237.8001	32.8000
17	2410.00	1306	1306.2001	303.4002	40.4498
18	2411.00	1650	1650.0501	384.3000	40.7500
19	2412.00	2075	2075.1001	465.8000	34.3000
20	2414.00	3143	3143.9002	603.0000	47.0000
21	2416.00	4537	4537.9002	791.0004	46.7499
22	2418.00	6306	6306.9003	978.0001	54.0000
23	2422.00	11082	11082.9005	1409.9998	45.6251
24	2426.00	17452	17452.9008	1774.9995	39.6251
25	2430.00	25186	25186.9001	2092.0001	54.6500

The Pinewood Lake survey in July 2013 used the contour method to obtain the basic data for these tables. Close interval profiles of the underwater portion of the reservoir were collected by standard surveying techniques using a global positioning system and echo sounder. The above-water portion was determined from USDA aerial images of the reservoir water surface at time of flight and IFSAR digital coordinate information. This study assumes no change of the surface areas since 1991 from elevation 2,414.0 and above. The ACAP program interpolated the presented results from elevation 2,394.0 through 2,440.0. The 2013 survey and the reduction of the data were completed by personnel from Reclamation's Sedimentation and River Hydraulics Group of the Technical Service Center in Denver, Colorado. All data for these tables are tied to the project vertical datum that is 1.9 feet lower than the North American Vertical Datum of 1988 (NAVD88).

Index

Area in acres at 1.0-foot intervals	1
Area in acres at 0.1-foot intervals	3
Total capacity in acre-feet at 1.0-foot intervals	5
Total capacity in acre-feet at 0.10-foot intervals	7
Total capacity in acre-feet at 0.01-foot intervals	9

EDWARD ARTHUR PATTERSON LAKE										
2013 AREA TABLE										
ELEVATION Project Datum (Feet)	<u>0</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>
2,390.0					0	0	2	4	18	41
2,400.0	49	55	64	74	84	95	111	140	181	238
2,410.0	303	384	466	534	603	697	791	885	978	1,086
2,420.0	1,194	1,302	1,410	1,501	1,593	1,684	1,775	1,854	1,934	2,013
2,430.0	2,092	2,201	2,311	2,420	2,529	2,638	2,748	2,857	2,966	3,076
2,440.0	3,185									

EDWARD ARTHUR PATTERSON LAKE										
2013 AREA TABLE										
ELEVATION Project Datum (Feet)	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
2,394.0	0	0	0	0	0	0	0	0	0	0
2,395.0	0	0	1	1	1	1	1	1	1	2
2,396.0	2	2	2	2	3	3	3	3	3	4
2,397.0	4	5	7	8	10	11	13	14	15	17
2,398.0	18	20	23	25	27	29	32	34	36	38
2,399.0	41	41	42	43	44	45	46	46	47	48
2,400.0	49	50	50	51	52	52	53	54	54	55
2,401.0	56	56	57	58	59	60	60	61	62	63
2,402.0	64	65	66	67	68	69	70	71	72	73
2,403.0	74	75	76	77	78	79	80	81	82	83
2,404.0	84	85	86	87	88	89	91	92	93	94
2,405.0	95	97	98	100	101	103	105	106	108	109
2,406.0	111	114	117	119	122	125	128	131	134	137
2,407.0	140	144	148	152	156	160	164	169	173	177
2,408.0	181	187	192	198	204	209	215	221	226	232
2,409.0	238	244	251	258	264	271	277	284	290	297
2,410.0	303	312	320	328	336	344	352	360	368	376
2,411.0	384	393	401	409	417	425	433	441	450	458
2,412.0	466	473	480	486	493	500	507	514	521	528
2,413.0	534	541	548	555	562	569	576	582	589	596
2,414.0	603	612	622	631	641	650	659	669	678	688
2,415.0	697	706	716	725	735	744	753	763	772	782
2,416.0	791	800	810	819	828	838	847	857	866	875
2,417.0	885	894	903	913	922	931	941	950	959	969
2,418.0	978	989	1,000	1,010	1,021	1,032	1,043	1,054	1,064	1,075
2,419.0	1,086	1,097	1,108	1,118	1,129	1,140	1,151	1,162	1,172	1,183
2,420.0	1,194	1,205	1,216	1,226	1,237	1,248	1,259	1,270	1,280	1,291
2,421.0	1,302	1,313	1,324	1,334	1,345	1,356	1,367	1,378	1,388	1,399
2,422.0	1,410	1,419	1,428	1,437	1,447	1,456	1,465	1,474	1,483	1,492
2,423.0	1,501	1,510	1,520	1,529	1,538	1,547	1,556	1,565	1,574	1,583
2,424.0	1,593	1,602	1,611	1,620	1,629	1,638	1,647	1,656	1,666	1,675
2,425.0	1,684	1,693	1,702	1,711	1,720	1,729	1,739	1,748	1,757	1,766
2,426.0	1,775	1,783	1,791	1,799	1,807	1,815	1,823	1,831	1,838	1,846
2,427.0	1,854	1,862	1,870	1,878	1,886	1,894	1,902	1,910	1,918	1,926
2,428.0	1,934	1,941	1,949	1,957	1,965	1,973	1,981	1,989	1,997	2,005
2,429.0	2,013	2,021	2,029	2,037	2,045	2,052	2,060	2,068	2,076	2,084

EDWARD ARTHUR PATTERSON LAKE 2013 AREA TABLE										
ELEVATION Project Datum (Feet)	<u>0.0</u>	<u>0.1</u>	<u>0.2</u>	<u>0.3</u>	<u>0.4</u>	<u>0.5</u>	<u>0.6</u>	<u>0.7</u>	<u>0.8</u>	<u>0.9</u>
2,430.0	2,092	2,103	2,114	2,125	2,136	2,147	2,158	2,169	2,179	2,190
2,431.0	2,201	2,212	2,223	2,234	2,245	2,256	2,267	2,278	2,289	2,300
2,432.0	2,311	2,322	2,333	2,343	2,354	2,365	2,376	2,387	2,398	2,409
2,433.0	2,420	2,431	2,442	2,453	2,464	2,475	2,486	2,496	2,507	2,518
2,434.0	2,529	2,540	2,551	2,562	2,573	2,584	2,595	2,606	2,617	2,628
2,435.0	2,639	2,649	2,660	2,671	2,682	2,693	2,704	2,715	2,726	2,737
2,436.0	2,748	2,759	2,770	2,781	2,792	2,802	2,813	2,824	2,835	2,846
2,437.0	2,857	2,868	2,879	2,890	2,901	2,912	2,923	2,934	2,945	2,956
2,438.0	2,966	2,977	2,988	2,999	3,010	3,021	3,032	3,043	3,054	3,065
2,439.0	3,076	3,087	3,098	3,109	3,119	3,130	3,141	3,152	3,163	3,174
2,440.0	3,185									

EDWARD ARTHUR PATTERSON LAKE 2013 CAPACITY TABLE										
ELEVATION Project Datum (Feet)	<u>0</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>
2,390.0					0	0	1	4	15	44
2,400.0	89	141	201	270	349	438	541	666	826	1,036
2,410.0	1,306	1,650	2,075	2,575	3,144	3,794	4,538	5,376	6,307	7,339
2,420.0	8,479	9,727	11,083	12,539	14,085	15,724	17,453	19,268	21,161	23,135
2,430.0	25,187	27,334	29,590	31,955	34,429	37,013	39,706	42,509	45,420	48,442
2,440.0	51,572									

EDWARD ARTHUR PATTERSON LAKE 2013 CAPACITY TABLE										
ELEVATION Project Datum (Feet)	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
2,394.0	0	0	0	0	0	0	0	0	0	0
2,395.0	0	0	0	0	0	0	1	1	1	1
2,396.0	1	1	1	2	2	2	2	3	3	3
2,397.0	4	4	5	6	7	8	9	10	11	13
2,398.0	15	17	19	21	24	27	30	33	37	40
2,399.0	44	48	52	57	61	66	70	75	79	84
2,400.0	89	94	99	104	109	114	119	125	130	136
2,401.0	141	147	152	158	164	170	176	182	188	194
2,402.0	201	207	214	220	227	234	241	248	255	262
2,403.0	270	277	285	292	300	308	316	324	332	340
2,404.0	349	357	366	374	383	392	401	410	419	429
2,405.0	438	448	457	467	477	488	498	508	519	530
2,406.0	541	552	564	575	588	600	613	626	639	652
2,407.0	666	680	695	710	725	741	757	774	791	808
2,408.0	826	845	864	883	903	924	945	967	989	1,012
2,409.0	1,036	1,060	1,085	1,110	1,136	1,163	1,190	1,218	1,247	1,276
2,410.0	1,306	1,337	1,369	1,401	1,434	1,468	1,503	1,538	1,575	1,612
2,411.0	1,650	1,689	1,729	1,769	1,810	1,852	1,895	1,939	1,984	2,029
2,412.0	2,075	2,122	2,170	2,218	2,267	2,317	2,367	2,418	2,470	2,522
2,413.0	2,575	2,629	2,684	2,739	2,794	2,851	2,908	2,966	3,025	3,084
2,414.0	3,144	3,205	3,266	3,329	3,393	3,457	3,523	3,589	3,656	3,725
2,415.0	3,794	3,864	3,935	4,007	4,080	4,154	4,229	4,305	4,382	4,459
2,416.0	4,538	4,618	4,698	4,779	4,862	4,945	5,029	5,115	5,201	5,288
2,417.0	5,376	5,465	5,554	5,645	5,737	5,830	5,923	6,018	6,113	6,210
2,418.0	6,307	6,405	6,505	6,605	6,707	6,809	6,913	7,018	7,124	7,231
2,419.0	7,339	7,448	7,558	7,670	7,782	7,895	8,010	8,126	8,242	8,360
2,420.0	8,479	8,599	8,720	8,842	8,965	9,089	9,215	9,341	9,469	9,597
2,421.0	9,727	9,858	9,990	10,122	10,256	10,391	10,528	10,665	10,803	10,942
2,422.0	11,083	11,224	11,367	11,510	11,654	11,799	11,945	12,092	12,240	12,389
2,423.0	12,539	12,689	12,841	12,993	13,146	13,301	13,456	13,612	13,769	13,927
2,424.0	14,085	14,245	14,406	14,567	14,730	14,893	15,057	15,223	15,389	15,556
2,425.0	15,724	15,892	16,062	16,233	16,404	16,577	16,750	16,925	17,100	17,276
2,426.0	17,453	17,631	17,810	17,989	18,169	18,350	18,532	18,715	18,898	19,083
2,427.0	19,268	19,453	19,640	19,827	20,016	20,205	20,394	20,585	20,776	20,968
2,428.0	21,161	21,355	21,550	21,745	21,941	22,138	22,336	22,534	22,734	22,934
2,429.0	23,135	23,336	23,539	23,742	23,946	24,151	24,356	24,563	24,770	24,978

EDWARD ARTHUR PATTERSON LAKE 2013 CAPACITY TABLE										
ELEVATION Project Datum (Feet)	<u>0.0</u>	<u>0.1</u>	<u>0.2</u>	<u>0.3</u>	<u>0.4</u>	<u>0.5</u>	<u>0.6</u>	<u>0.7</u>	<u>0.8</u>	<u>0.9</u>
2,430.0	25,187	25,397	25,608	25,819	26,032	26,247	26,462	26,678	26,896	27,114
2,431.0	27,334	27,554	27,776	27,999	28,223	28,448	28,674	28,901	29,130	29,359
2,432.0	29,590	29,821	30,054	30,288	30,523	30,759	30,996	31,234	31,473	31,713
2,433.0	31,955	32,197	32,441	32,686	32,932	33,178	33,426	33,676	33,926	34,177
2,434.0	34,429	34,683	34,937	35,193	35,450	35,708	35,967	36,227	36,488	36,750
2,435.0	37,013	37,278	37,543	37,810	38,077	38,346	38,616	38,887	39,159	39,432
2,436.0	39,706	39,982	40,258	40,536	40,814	41,094	41,375	41,657	41,940	42,224
2,437.0	42,509	42,795	43,082	43,371	43,660	43,951	44,243	44,536	44,829	45,124
2,438.0	45,421	45,718	46,016	46,315	46,616	46,917	47,220	47,524	47,829	48,135
2,439.0	48,442	48,750	49,059	49,369	49,681	49,993	50,307	50,621	50,937	51,254
2,440.0	51,572									

EDWARD ARTHUR PATTERSON LAKE 2013 CAPACITY TABLE										
ELEVATION Project Datum (Feet)	<u>0.00</u>	<u>0.01</u>	<u>0.02</u>	<u>0.03</u>	<u>0.04</u>	<u>0.05</u>	<u>0.06</u>	<u>0.07</u>	<u>0.08</u>	<u>0.90</u>
2,394.0	0	0	0	0	0	0	0	0	0	0
2,394.1	0	0	0	0	0	0	0	0	0	0
2,394.2	0	0	0	0	0	0	0	0	0	0
2,394.3	0	0	0	0	0	0	0	0	0	0
2,394.4	0	0	0	0	0	0	0	0	0	0
2,394.5	0	0	0	0	0	0	0	0	0	0
2,394.6	0	0	0	0	0	0	0	0	0	0
2,394.7	0	0	0	0	0	0	0	0	0	0
2,394.8	0	0	0	0	0	0	0	0	0	0
2,394.9	0	0	0	0	0	0	0	0	0	0
2,395.0	0	0	0	0	0	0	0	0	0	0
2,395.1	0	0	0	0	0	0	0	0	0	0
2,395.2	0	0	0	0	0	0	0	0	0	0
2,395.3	0	0	0	0	0	0	0	0	0	0
2,395.4	0	0	0	0	0	0	0	0	0	0
2,395.5	0	0	0	0	0	0	0	0	0	0
2,395.6	0	0	0	1	1	1	1	1	1	1
2,395.7	1	1	1	1	1	1	1	1	1	1
2,395.8	1	1	1	1	1	1	1	1	1	1
2,395.9	1	1	1	1	1	1	1	1	1	1
2,396.0	1	1	1	1	1	1	1	1	1	1
2,396.1	1	1	1	1	1	1	1	1	1	1
2,396.2	1	1	1	1	1	1	1	2	2	2
2,396.3	2	2	2	2	2	2	2	2	2	2
2,396.4	2	2	2	2	2	2	2	2	2	2
2,396.5	2	2	2	2	2	2	2	2	2	2
2,396.6	2	2	2	2	3	3	3	3	3	3
2,396.7	3	3	3	3	3	3	3	3	3	3
2,396.8	3	3	3	3	3	3	3	3	3	3
2,396.9	3	3	3	3	4	4	4	4	4	4
2,397.0	4	4	4	4	4	4	4	4	4	4
2,397.1	4	4	4	4	4	5	5	5	5	5
2,397.2	5	5	5	5	5	5	5	5	5	5
2,397.3	6	6	6	6	6	6	6	6	6	6
2,397.4	6	7	7	7	7	7	7	7	7	7
2,397.5	7	8	8	8	8	8	8	8	8	9
2,397.6	9	9	9	9	9	9	9	10	10	10
2,397.7	10	10	10	10	11	11	11	11	11	11
2,397.8	11	12	12	12	12	12	12	13	13	13
2,397.9	13	13	13	14	14	14	14	14	14	15

EDWARD ARTHUR PATTERSON LAKE 2013 CAPACITY TABLE										
ELEVATION Project Datum (Feet)	<u>0.00</u>	<u>0.01</u>	<u>0.02</u>	<u>0.03</u>	<u>0.04</u>	<u>0.05</u>	<u>0.06</u>	<u>0.07</u>	<u>0.08</u>	<u>0.90</u>
2,398.0	15	15	15	15	16	16	16	16	16	17
2,398.1	17	17	17	17	18	18	18	18	18	19
2,398.2	19	19	19	20	20	20	20	21	21	21
2,398.3	21	22	22	22	22	23	23	23	23	24
2,398.4	24	24	24	25	25	25	26	26	26	26
2,398.5	27	27	27	28	28	28	28	29	29	29
2,398.6	30	30	30	31	31	31	32	32	32	33
2,398.7	33	33	34	34	34	35	35	35	36	36
2,398.8	37	37	37	38	38	38	39	39	39	40
2,398.9	40	41	41	41	42	42	43	43	43	44
2,399.0	44	45	45	45	46	46	47	47	47	48
2,399.1	48	49	49	49	50	50	51	51	52	52
2,399.2	52	53	53	54	54	55	55	55	56	56
2,399.3	57	57	58	58	58	59	59	60	60	61
2,399.4	61	61	62	62	63	63	64	64	65	65
2,399.5	65	66	66	67	67	68	68	69	69	70
2,399.6	70	70	71	71	72	72	73	73	74	74
2,399.7	75	75	75	76	76	77	77	78	78	79
2,399.8	79	80	80	81	81	82	82	83	83	84
2,399.9	84	84	85	85	86	86	87	87	88	88
2,400.0	89	89	90	90	91	91	92	92	93	93
2,400.1	94	94	95	95	96	96	97	97	98	98
2,400.2	99	99	100	100	101	101	102	102	103	103
2,400.3	104	104	105	105	106	106	107	107	108	108
2,400.4	109	109	110	110	111	112	112	113	113	114
2,400.5	114	115	115	116	116	117	117	118	118	119
2,400.6	119	120	120	121	122	122	123	123	124	124
2,400.7	125	125	126	126	127	127	128	128	129	130
2,400.8	130	131	131	132	132	133	133	134	134	135
2,400.9	136	136	137	137	138	138	139	139	140	141
2,401.0	141	142	142	143	143	144	144	145	146	146
2,401.1	147	147	148	148	149	149	150	151	151	152
2,401.2	152	153	153	154	155	155	156	156	157	157
2,401.3	158	159	159	160	160	161	162	162	163	163
2,401.4	164	164	165	166	166	167	167	168	169	169
2,401.5	170	170	171	172	172	173	173	174	175	175
2,401.6	176	176	177	178	178	179	179	180	181	181
2,401.7	182	183	183	184	184	185	186	186	187	187
2,401.8	188	189	189	190	191	191	192	192	193	194
2,401.9	194	195	196	196	197	197	198	199	199	200

EDWARD ARTHUR PATTERSON LAKE 2013 CAPACITY TABLE										
ELEVATION Project Datum (Feet)	<u>0.00</u>	<u>0.01</u>	<u>0.02</u>	<u>0.03</u>	<u>0.04</u>	<u>0.05</u>	<u>0.06</u>	<u>0.07</u>	<u>0.08</u>	<u>0.90</u>
2,402.0	201	201	202	203	203	204	204	205	206	206
2,402.1	207	208	208	209	210	210	211	212	212	213
2,402.2	214	214	215	216	216	217	218	218	219	219
2,402.3	220	221	222	222	223	224	224	225	226	226
2,402.4	227	228	228	229	230	230	231	232	232	233
2,402.5	234	234	235	236	237	237	238	239	239	240
2,402.6	241	241	242	243	244	244	245	246	246	247
2,402.7	248	248	249	250	251	251	252	253	253	254
2,402.8	255	256	256	257	258	259	259	260	261	261
2,402.9	262	263	264	264	265	266	267	267	268	269
2,403.0	270	270	271	272	273	273	274	275	276	276
2,403.1	277	278	279	279	280	281	282	282	283	284
2,403.2	285	285	286	287	288	288	289	290	291	291
2,403.3	292	293	294	295	295	296	297	298	298	299
2,403.4	300	301	302	302	303	304	305	306	306	307
2,403.5	308	309	309	310	311	312	313	313	314	315
2,403.6	316	317	317	318	319	320	321	321	322	323
2,403.7	324	325	325	326	327	328	329	330	330	331
2,403.8	332	333	334	334	335	336	337	338	339	339
2,403.9	340	341	342	343	344	344	345	346	347	348
2,404.0	349	349	350	351	352	353	354	354	355	356
2,404.1	357	358	359	360	360	361	362	363	364	365
2,404.2	366	366	367	368	369	370	371	372	372	373
2,404.3	374	375	376	377	378	379	379	380	381	382
2,404.4	383	384	385	386	386	387	388	389	390	391
2,404.5	392	393	394	395	395	396	397	398	399	400
2,404.6	401	402	403	404	404	405	406	407	408	409
2,404.7	410	411	412	413	414	415	415	416	417	418
2,404.8	419	420	421	422	423	424	425	426	427	428
2,404.9	429	429	430	431	432	433	434	435	436	437
2,405.0	438	439	440	441	442	443	444	445	446	447
2,405.1	448	449	449	450	451	452	453	454	455	456
2,405.2	457	458	459	460	461	462	463	464	465	466
2,405.3	467	468	469	470	471	472	473	474	475	476
2,405.4	477	478	479	480	481	482	483	484	485	486
2,405.5	487	488	490	491	492	493	494	495	496	497
2,405.6	498	499	500	501	502	503	504	505	506	507
2,405.7	508	509	510	512	513	514	515	516	517	518
2,405.8	519	520	521	522	523	524	526	527	528	529
2,405.9	530	531	532	533	534	535	536	538	539	540

EDWARD ARTHUR PATTERSON LAKE 2013 CAPACITY TABLE										
ELEVATION Project Datum (Feet)	<u>0.00</u>	<u>0.01</u>	<u>0.02</u>	<u>0.03</u>	<u>0.04</u>	<u>0.05</u>	<u>0.06</u>	<u>0.07</u>	<u>0.08</u>	<u>0.90</u>
2,406.0	541	542	543	544	545	546	548	549	550	551
2,406.1	552	553	554	556	557	558	559	560	561	562
2,406.2	564	565	566	567	568	570	571	572	573	574
2,406.3	575	577	578	579	580	581	583	584	585	586
2,406.4	588	589	590	591	592	594	595	596	597	599
2,406.5	600	601	602	604	605	606	607	609	610	611
2,406.6	613	614	615	616	618	619	620	622	623	624
2,406.7	625	627	628	629	631	632	633	635	636	637
2,406.8	639	640	641	643	644	645	647	648	650	651
2,406.9	652	654	655	656	658	659	660	662	663	665
2,407.0	666	667	669	670	672	673	674	676	677	679
2,407.1	680	682	683	685	686	687	689	690	692	693
2,407.2	695	696	698	699	701	702	704	705	707	708
2,407.3	710	711	713	714	716	717	719	721	722	724
2,407.4	725	727	728	730	731	733	735	736	738	739
2,407.5	741	743	744	746	747	749	751	752	754	756
2,407.6	757	759	761	762	764	765	767	769	770	772
2,407.7	774	776	777	779	781	782	784	786	787	789
2,407.8	791	793	794	796	798	800	801	803	805	807
2,407.9	808	810	812	814	815	817	819	821	823	824
2,408.0	826	828	830	832	834	835	837	839	841	843
2,408.1	845	846	848	850	852	854	856	858	860	862
2,408.2	864	865	867	869	871	873	875	877	879	881
2,408.3	883	885	887	889	891	893	895	897	899	901
2,408.4	903	905	907	909	911	913	915	918	920	922
2,408.5	924	926	928	930	932	934	936	939	941	943
2,408.6	945	947	949	952	954	956	958	960	962	965
2,408.7	967	969	971	973	976	978	980	982	985	987
2,408.8	989	991	994	996	998	1,001	1,003	1,005	1,007	1,010
2,408.9	1,012	1,014	1,017	1,019	1,021	1,024	1,026	1,028	1,031	1,033
2,409.0	1,036	1,038	1,040	1,043	1,045	1,048	1,050	1,052	1,055	1,057
2,409.1	1,060	1,062	1,065	1,067	1,070	1,072	1,074	1,077	1,079	1,082
2,409.2	1,084	1,087	1,090	1,092	1,095	1,097	1,100	1,102	1,105	1,107
2,409.3	1,110	1,112	1,115	1,118	1,120	1,123	1,125	1,128	1,131	1,133
2,409.4	1,136	1,139	1,141	1,144	1,147	1,149	1,152	1,155	1,157	1,160
2,409.5	1,163	1,165	1,168	1,171	1,174	1,176	1,179	1,182	1,185	1,187
2,409.6	1,190	1,193	1,196	1,198	1,201	1,204	1,207	1,210	1,212	1,215
2,409.7	1,218	1,221	1,224	1,227	1,230	1,232	1,235	1,238	1,241	1,244
2,409.8	1,247	1,250	1,253	1,256	1,259	1,261	1,264	1,267	1,270	1,273
2,409.9	1,276	1,279	1,282	1,285	1,288	1,291	1,294	1,297	1,300	1,303

EDWARD ARTHUR PATTERSON LAKE 2013 CAPACITY TABLE										
ELEVATION Project Datum (Feet)	<u>0.00</u>	<u>0.01</u>	<u>0.02</u>	<u>0.03</u>	<u>0.04</u>	<u>0.05</u>	<u>0.06</u>	<u>0.07</u>	<u>0.08</u>	<u>0.90</u>
2,410.0	1,306	1,309	1,312	1,315	1,318	1,321	1,325	1,328	1,331	1,334
2,410.1	1,337	1,340	1,343	1,346	1,349	1,353	1,356	1,359	1,362	1,365
2,410.2	1,369	1,372	1,375	1,378	1,381	1,385	1,388	1,391	1,394	1,398
2,410.3	1,401	1,404	1,407	1,411	1,414	1,417	1,421	1,424	1,427	1,431
2,410.4	1,434	1,437	1,441	1,444	1,448	1,451	1,454	1,458	1,461	1,465
2,410.5	1,468	1,471	1,475	1,478	1,482	1,485	1,489	1,492	1,496	1,499
2,410.6	1,503	1,506	1,510	1,513	1,517	1,521	1,524	1,528	1,531	1,535
2,410.7	1,538	1,542	1,546	1,549	1,553	1,557	1,560	1,564	1,567	1,571
2,410.8	1,575	1,578	1,582	1,586	1,590	1,593	1,597	1,601	1,605	1,608
2,410.9	1,612	1,616	1,620	1,623	1,627	1,631	1,635	1,639	1,642	1,646
2,411.0	1,650	1,654	1,658	1,662	1,665	1,669	1,673	1,677	1,681	1,685
2,411.1	1,689	1,693	1,697	1,701	1,705	1,709	1,713	1,717	1,721	1,725
2,411.2	1,729	1,733	1,737	1,741	1,745	1,749	1,753	1,757	1,761	1,765
2,411.3	1,769	1,773	1,777	1,781	1,785	1,790	1,794	1,798	1,802	1,806
2,411.4	1,810	1,814	1,819	1,823	1,827	1,831	1,835	1,840	1,844	1,848
2,411.5	1,852	1,857	1,861	1,865	1,869	1,874	1,878	1,882	1,887	1,891
2,411.6	1,895	1,900	1,904	1,908	1,913	1,917	1,921	1,926	1,930	1,935
2,411.7	1,939	1,943	1,948	1,952	1,957	1,961	1,966	1,970	1,975	1,979
2,411.8	1,984	1,988	1,993	1,997	2,002	2,006	2,011	2,015	2,020	2,024
2,411.9	2,029	2,034	2,038	2,043	2,047	2,052	2,057	2,061	2,066	2,070
2,412.0	2,075	2,080	2,084	2,089	2,094	2,098	2,103	2,108	2,113	2,117
2,412.1	2,122	2,127	2,131	2,136	2,141	2,146	2,151	2,155	2,160	2,165
2,412.2	2,170	2,174	2,179	2,184	2,189	2,194	2,199	2,203	2,208	2,213
2,412.3	2,218	2,223	2,228	2,233	2,237	2,242	2,247	2,252	2,257	2,262
2,412.4	2,267	2,272	2,277	2,282	2,287	2,292	2,297	2,302	2,307	2,312
2,412.5	2,317	2,322	2,327	2,332	2,337	2,342	2,347	2,352	2,357	2,362
2,412.6	2,367	2,372	2,377	2,382	2,387	2,392	2,397	2,403	2,408	2,413
2,412.7	2,418	2,423	2,428	2,433	2,439	2,444	2,449	2,454	2,459	2,464
2,412.8	2,470	2,475	2,480	2,485	2,491	2,496	2,501	2,506	2,512	2,517
2,412.9	2,522	2,527	2,533	2,538	2,543	2,549	2,554	2,559	2,565	2,570
2,413.0	2,575	2,581	2,586	2,591	2,597	2,602	2,607	2,613	2,618	2,624
2,413.1	2,629	2,634	2,640	2,645	2,651	2,656	2,662	2,667	2,673	2,678
2,413.2	2,683	2,689	2,694	2,700	2,705	2,711	2,716	2,722	2,728	2,733
2,413.3	2,739	2,744	2,750	2,755	2,761	2,766	2,772	2,778	2,783	2,789
2,413.4	2,794	2,800	2,806	2,811	2,817	2,823	2,828	2,834	2,840	2,845
2,413.5	2,851	2,857	2,862	2,868	2,874	2,880	2,885	2,891	2,897	2,902
2,413.6	2,908	2,914	2,920	2,925	2,931	2,937	2,943	2,949	2,954	2,960
2,413.7	2,966	2,972	2,978	2,984	2,989	2,995	3,001	3,007	3,013	3,019
2,413.8	3,025	3,031	3,036	3,042	3,048	3,054	3,060	3,066	3,072	3,078
2,413.9	3,084	3,090	3,096	3,102	3,108	3,114	3,120	3,126	3,132	3,138

EDWARD ARTHUR PATTERSON LAKE 2013 CAPACITY TABLE										
ELEVATION Project Datum (Feet)	<u>0.00</u>	<u>0.01</u>	<u>0.02</u>	<u>0.03</u>	<u>0.04</u>	<u>0.05</u>	<u>0.06</u>	<u>0.07</u>	<u>0.08</u>	<u>0.90</u>
2,414.0	3,144	3,150	3,156	3,162	3,168	3,174	3,180	3,186	3,192	3,199
2,414.1	3,205	3,211	3,217	3,223	3,229	3,235	3,242	3,248	3,254	3,260
2,414.2	3,266	3,273	3,279	3,285	3,291	3,298	3,304	3,310	3,316	3,323
2,414.3	3,329	3,335	3,342	3,348	3,354	3,361	3,367	3,373	3,380	3,386
2,414.4	3,393	3,399	3,405	3,412	3,418	3,425	3,431	3,438	3,444	3,451
2,414.5	3,457	3,464	3,470	3,477	3,483	3,490	3,496	3,503	3,509	3,516
2,414.6	3,523	3,529	3,536	3,542	3,549	3,556	3,562	3,569	3,576	3,582
2,414.7	3,589	3,596	3,602	3,609	3,616	3,623	3,629	3,636	3,643	3,650
2,414.8	3,656	3,663	3,670	3,677	3,684	3,690	3,697	3,704	3,711	3,718
2,414.9	3,725	3,732	3,738	3,745	3,752	3,759	3,766	3,773	3,780	3,787
2,415.0	3,794	3,801	3,808	3,815	3,822	3,829	3,836	3,843	3,850	3,857
2,415.1	3,864	3,871	3,878	3,885	3,892	3,900	3,907	3,914	3,921	3,928
2,415.2	3,935	3,942	3,950	3,957	3,964	3,971	3,978	3,986	3,993	4,000
2,415.3	4,007	4,014	4,022	4,029	4,036	4,044	4,051	4,058	4,066	4,073
2,415.4	4,080	4,088	4,095	4,102	4,110	4,117	4,124	4,132	4,139	4,147
2,415.5	4,154	4,162	4,169	4,177	4,184	4,191	4,199	4,206	4,214	4,221
2,415.6	4,229	4,237	4,244	4,252	4,259	4,267	4,274	4,282	4,290	4,297
2,415.7	4,305	4,312	4,320	4,328	4,335	4,343	4,351	4,358	4,366	4,374
2,415.8	4,382	4,389	4,397	4,405	4,413	4,420	4,428	4,436	4,444	4,451
2,415.9	4,459	4,467	4,475	4,483	4,491	4,498	4,506	4,514	4,522	4,530
2,416.0	4,538	4,546	4,554	4,562	4,570	4,578	4,586	4,594	4,601	4,609
2,416.1	4,617	4,625	4,633	4,642	4,650	4,658	4,666	4,674	4,682	4,690
2,416.2	4,698	4,706	4,714	4,722	4,730	4,739	4,747	4,755	4,763	4,771
2,416.3	4,779	4,788	4,796	4,804	4,812	4,820	4,829	4,837	4,845	4,854
2,416.4	4,862	4,870	4,878	4,887	4,895	4,903	4,912	4,920	4,928	4,937
2,416.5	4,945	4,953	4,962	4,970	4,979	4,987	4,996	5,004	5,012	5,021
2,416.6	5,029	5,038	5,046	5,055	5,063	5,072	5,080	5,089	5,097	5,106
2,416.7	5,115	5,123	5,132	5,140	5,149	5,157	5,166	5,175	5,183	5,192
2,416.8	5,201	5,209	5,218	5,227	5,235	5,244	5,253	5,261	5,270	5,279
2,416.9	5,288	5,296	5,305	5,314	5,323	5,332	5,340	5,349	5,358	5,367
2,417.0	5,376	5,385	5,393	5,402	5,411	5,420	5,429	5,438	5,447	5,456
2,417.1	5,465	5,474	5,482	5,491	5,500	5,509	5,518	5,527	5,536	5,545
2,417.2	5,554	5,563	5,573	5,582	5,591	5,600	5,609	5,618	5,627	5,636
2,417.3	5,645	5,654	5,663	5,673	5,682	5,691	5,700	5,709	5,719	5,728
2,417.4	5,737	5,746	5,755	5,765	5,774	5,783	5,792	5,802	5,811	5,820
2,417.5	5,830	5,839	5,848	5,858	5,867	5,876	5,886	5,895	5,904	5,914
2,417.6	5,923	5,933	5,942	5,951	5,961	5,970	5,980	5,989	5,999	6,008
2,417.7	6,018	6,027	6,037	6,046	6,056	6,065	6,075	6,084	6,094	6,104
2,417.8	6,113	6,123	6,132	6,142	6,152	6,161	6,171	6,181	6,190	6,200
2,417.9	6,210	6,219	6,229	6,239	6,248	6,258	6,268	6,278	6,287	6,297

EDWARD ARTHUR PATTERSON LAKE 2013 CAPACITY TABLE										
ELEVATION Project Datum (Feet)	<u>0.00</u>	<u>0.01</u>	<u>0.02</u>	<u>0.03</u>	<u>0.04</u>	<u>0.05</u>	<u>0.06</u>	<u>0.07</u>	<u>0.08</u>	<u>0.90</u>
2,418.0	6,307	6,317	6,326	6,336	6,346	6,356	6,366	6,376	6,385	6,395
2,418.1	6,405	6,415	6,425	6,435	6,445	6,455	6,465	6,475	6,485	6,495
2,418.2	6,505	6,515	6,525	6,535	6,545	6,555	6,565	6,575	6,585	6,595
2,418.3	6,605	6,615	6,625	6,636	6,646	6,656	6,666	6,676	6,686	6,697
2,418.4	6,707	6,717	6,727	6,737	6,748	6,758	6,768	6,778	6,789	6,799
2,418.5	6,809	6,820	6,830	6,840	6,851	6,861	6,872	6,882	6,892	6,903
2,418.6	6,913	6,924	6,934	6,944	6,955	6,965	6,976	6,986	6,997	7,007
2,418.7	7,018	7,029	7,039	7,050	7,060	7,071	7,081	7,092	7,103	7,113
2,418.8	7,124	7,135	7,145	7,156	7,167	7,177	7,188	7,199	7,209	7,220
2,418.9	7,231	7,242	7,252	7,263	7,274	7,285	7,296	7,306	7,317	7,328
2,419.0	7,339	7,350	7,361	7,372	7,382	7,393	7,404	7,415	7,426	7,437
2,419.1	7,448	7,459	7,470	7,481	7,492	7,503	7,514	7,525	7,536	7,547
2,419.2	7,558	7,569	7,580	7,592	7,603	7,614	7,625	7,636	7,647	7,658
2,419.3	7,670	7,681	7,692	7,703	7,714	7,726	7,737	7,748	7,759	7,771
2,419.4	7,782	7,793	7,805	7,816	7,827	7,839	7,850	7,861	7,873	7,884
2,419.5	7,895	7,907	7,918	7,930	7,941	7,953	7,964	7,975	7,987	7,998
2,419.6	8,010	8,021	8,033	8,045	8,056	8,068	8,079	8,091	8,102	8,114
2,419.7	8,126	8,137	8,149	8,160	8,172	8,184	8,195	8,207	8,219	8,231
2,419.8	8,242	8,254	8,266	8,277	8,289	8,301	8,313	8,325	8,336	8,348
2,419.9	8,360	8,372	8,384	8,396	8,407	8,419	8,431	8,443	8,455	8,467
2,420.0	8,479	8,491	8,503	8,515	8,527	8,539	8,551	8,563	8,575	8,587
2,420.1	8,599	8,611	8,623	8,635	8,647	8,659	8,671	8,683	8,696	8,708
2,420.2	8,720	8,732	8,744	8,756	8,769	8,781	8,793	8,805	8,817	8,830
2,420.3	8,842	8,854	8,867	8,879	8,891	8,903	8,916	8,928	8,940	8,953
2,420.4	8,965	8,978	8,990	9,002	9,015	9,027	9,040	9,052	9,064	9,077
2,420.5	9,089	9,102	9,114	9,127	9,139	9,152	9,164	9,177	9,190	9,202
2,420.6	9,215	9,227	9,240	9,253	9,265	9,278	9,290	9,303	9,316	9,328
2,420.7	9,341	9,354	9,367	9,379	9,392	9,405	9,418	9,430	9,443	9,456
2,420.8	9,469	9,481	9,494	9,507	9,520	9,533	9,546	9,559	9,571	9,584
2,420.9	9,597	9,610	9,623	9,636	9,649	9,662	9,675	9,688	9,701	9,714
2,421.0	9,727	9,740	9,753	9,766	9,779	9,792	9,805	9,818	9,831	9,845
2,421.1	9,858	9,871	9,884	9,897	9,910	9,923	9,937	9,950	9,963	9,976
2,421.2	9,989	10,003	10,016	10,029	10,042	10,056	10,069	10,082	10,096	10,109
2,421.3	10,122	10,136	10,149	10,162	10,176	10,189	10,203	10,216	10,229	10,243
2,421.4	10,256	10,270	10,283	10,297	10,310	10,324	10,337	10,351	10,364	10,378
2,421.5	10,391	10,405	10,419	10,432	10,446	10,459	10,473	10,487	10,500	10,514
2,421.6	10,528	10,541	10,555	10,569	10,582	10,596	10,610	10,623	10,637	10,651
2,421.7	10,665	10,679	10,692	10,706	10,720	10,734	10,748	10,761	10,775	10,789
2,421.8	10,803	10,817	10,831	10,845	10,859	10,873	10,887	10,901	10,914	10,928
2,421.9	10,942	10,956	10,970	10,984	10,999	11,013	11,027	11,041	11,055	11,069

EDWARD ARTHUR PATTERSON LAKE 2013 CAPACITY TABLE										
ELEVATION Project Datum (Feet)	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.90
2,422.0	11,083	11,097	11,111	11,125	11,139	11,154	11,168	11,182	11,196	11,210
2,422.1	11,224	11,239	11,253	11,267	11,281	11,295	11,310	11,324	11,338	11,352
2,422.2	11,367	11,381	11,395	11,410	11,424	11,438	11,453	11,467	11,481	11,496
2,422.3	11,510	11,524	11,539	11,553	11,568	11,582	11,596	11,611	11,625	11,640
2,422.4	11,654	11,669	11,683	11,698	11,712	11,727	11,741	11,756	11,770	11,785
2,422.5	11,799	11,814	11,828	11,843	11,858	11,872	11,887	11,901	11,916	11,931
2,422.6	11,945	11,960	11,975	11,989	12,004	12,019	12,033	12,048	12,063	12,078
2,422.7	12,092	12,107	12,122	12,137	12,151	12,166	12,181	12,196	12,210	12,225
2,422.8	12,240	12,255	12,270	12,285	12,299	12,314	12,329	12,344	12,359	12,374
2,422.9	12,389	12,404	12,419	12,434	12,449	12,464	12,479	12,494	12,509	12,524
2,423.0	12,539	12,554	12,569	12,584	12,599	12,614	12,629	12,644	12,659	12,674
2,423.1	12,689	12,704	12,719	12,734	12,750	12,765	12,780	12,795	12,810	12,825
2,423.2	12,841	12,856	12,871	12,886	12,901	12,917	12,932	12,947	12,962	12,978
2,423.3	12,993	13,008	13,024	13,039	13,054	13,070	13,085	13,100	13,116	13,131
2,423.4	13,146	13,162	13,177	13,193	13,208	13,223	13,239	13,254	13,270	13,285
2,423.5	13,301	13,316	13,332	13,347	13,363	13,378	13,394	13,409	13,425	13,440
2,423.6	13,456	13,471	13,487	13,502	13,518	13,534	13,549	13,565	13,580	13,596
2,423.7	13,612	13,627	13,643	13,659	13,674	13,690	13,706	13,722	13,737	13,753
2,423.8	13,769	13,784	13,800	13,816	13,832	13,848	13,863	13,879	13,895	13,911
2,423.9	13,927	13,942	13,958	13,974	13,990	14,006	14,022	14,038	14,054	14,069
2,424.0	14,085	14,101	14,117	14,133	14,149	14,165	14,181	14,197	14,213	14,229
2,424.1	14,245	14,261	14,277	14,293	14,309	14,325	14,341	14,357	14,374	14,390
2,424.2	14,406	14,422	14,438	14,454	14,470	14,486	14,503	14,519	14,535	14,551
2,424.3	14,567	14,583	14,600	14,616	14,632	14,648	14,665	14,681	14,697	14,713
2,424.4	14,730	14,746	14,762	14,779	14,795	14,811	14,828	14,844	14,860	14,877
2,424.5	14,893	14,909	14,926	14,942	14,959	14,975	14,992	15,008	15,024	15,041
2,424.6	15,057	15,074	15,090	15,107	15,123	15,140	15,156	15,173	15,189	15,206
2,424.7	15,223	15,239	15,256	15,272	15,289	15,305	15,322	15,339	15,355	15,372
2,424.8	15,389	15,405	15,422	15,439	15,455	15,472	15,489	15,505	15,522	15,539
2,424.9	15,556	15,572	15,589	15,606	15,623	15,639	15,656	15,673	15,690	15,707
2,425.0	15,724	15,740	15,757	15,774	15,791	15,808	15,825	15,842	15,859	15,875
2,425.1	15,892	15,909	15,926	15,943	15,960	15,977	15,994	16,011	16,028	16,045
2,425.2	16,062	16,079	16,096	16,113	16,130	16,147	16,164	16,181	16,199	16,216
2,425.3	16,233	16,250	16,267	16,284	16,301	16,318	16,336	16,353	16,370	16,387
2,425.4	16,404	16,422	16,439	16,456	16,473	16,490	16,508	16,525	16,542	16,560
2,425.5	16,577	16,594	16,611	16,629	16,646	16,663	16,681	16,698	16,715	16,733
2,425.6	16,750	16,768	16,785	16,802	16,820	16,837	16,855	16,872	16,890	16,907
2,425.7	16,925	16,942	16,959	16,977	16,994	17,012	17,030	17,047	17,065	17,082
2,425.8	17,100	17,117	17,135	17,152	17,170	17,188	17,205	17,223	17,241	17,258
2,425.9	17,276	17,294	17,311	17,329	17,347	17,364	17,382	17,400	17,417	17,435

EDWARD ARTHUR PATTERSON LAKE 2013 CAPACITY TABLE										
ELEVATION Project Datum (Feet)	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.90
2,426.0	17,453	17,471	17,488	17,506	17,524	17,542	17,560	17,577	17,595	17,613
2,426.1	17,631	17,649	17,666	17,684	17,702	17,720	17,738	17,756	17,774	17,792
2,426.2	17,809	17,827	17,845	17,863	17,881	17,899	17,917	17,935	17,953	17,971
2,426.3	17,989	18,007	18,025	18,043	18,061	18,079	18,097	18,115	18,133	18,151
2,426.4	18,169	18,187	18,205	18,223	18,242	18,260	18,278	18,296	18,314	18,332
2,426.5	18,350	18,368	18,387	18,405	18,423	18,441	18,459	18,478	18,496	18,514
2,426.6	18,532	18,550	18,569	18,587	18,605	18,623	18,642	18,660	18,678	18,697
2,426.7	18,715	18,733	18,751	18,770	18,788	18,806	18,825	18,843	18,862	18,880
2,426.8	18,898	18,917	18,935	18,953	18,972	18,990	19,009	19,027	19,046	19,064
2,426.9	19,083	19,101	19,119	19,138	19,156	19,175	19,193	19,212	19,230	19,249
2,427.0	19,268	19,286	19,305	19,323	19,342	19,360	19,379	19,398	19,416	19,435
2,427.1	19,453	19,472	19,491	19,509	19,528	19,547	19,565	19,584	19,603	19,621
2,427.2	19,640	19,659	19,677	19,696	19,715	19,734	19,752	19,771	19,790	19,809
2,427.3	19,827	19,846	19,865	19,884	19,903	19,921	19,940	19,959	19,978	19,997
2,427.4	20,016	20,034	20,053	20,072	20,091	20,110	20,129	20,148	20,167	20,186
2,427.5	20,205	20,224	20,242	20,261	20,280	20,299	20,318	20,337	20,356	20,375
2,427.6	20,394	20,413	20,432	20,451	20,470	20,490	20,509	20,528	20,547	20,566
2,427.7	20,585	20,604	20,623	20,642	20,661	20,681	20,700	20,719	20,738	20,757
2,427.8	20,776	20,795	20,815	20,834	20,853	20,872	20,891	20,911	20,930	20,949
2,427.9	20,968	20,988	21,007	21,026	21,046	21,065	21,084	21,103	21,123	21,142
2,428.0	21,161	21,181	21,200	21,219	21,239	21,258	21,278	21,297	21,316	21,336
2,428.1	21,355	21,375	21,394	21,413	21,433	21,452	21,472	21,491	21,511	21,530
2,428.2	21,550	21,569	21,589	21,608	21,628	21,647	21,667	21,686	21,706	21,725
2,428.3	21,745	21,765	21,784	21,804	21,823	21,843	21,863	21,882	21,902	21,921
2,428.4	21,941	21,961	21,980	22,000	22,020	22,040	22,059	22,079	22,099	22,118
2,428.5	22,138	22,158	22,178	22,197	22,217	22,237	22,257	22,276	22,296	22,316
2,428.6	22,336	22,356	22,375	22,395	22,415	22,435	22,455	22,475	22,495	22,514
2,428.7	22,534	22,554	22,574	22,594	22,614	22,634	22,654	22,674	22,694	22,714
2,428.8	22,734	22,754	22,774	22,794	22,814	22,834	22,854	22,874	22,894	22,914
2,428.9	22,934	22,954	22,974	22,994	23,014	23,034	23,054	23,074	23,094	23,114
2,429.0	23,135	23,155	23,175	23,195	23,215	23,235	23,255	23,276	23,296	23,316
2,429.1	23,336	23,356	23,377	23,397	23,417	23,437	23,458	23,478	23,498	23,518
2,429.2	23,539	23,559	23,579	23,600	23,620	23,640	23,661	23,681	23,701	23,722
2,429.3	23,742	23,762	23,783	23,803	23,823	23,844	23,864	23,885	23,905	23,926
2,429.4	23,946	23,966	23,987	24,007	24,028	24,048	24,069	24,089	24,110	24,130
2,429.5	24,151	24,171	24,192	24,212	24,233	24,254	24,274	24,295	24,315	24,336
2,429.6	24,356	24,377	24,398	24,418	24,439	24,460	24,480	24,501	24,522	24,542
2,429.7	24,563	24,584	24,604	24,625	24,646	24,666	24,687	24,708	24,729	24,749
2,429.8	24,770	24,791	24,812	24,832	24,853	24,874	24,895	24,916	24,936	24,957
2,429.9	24,978	24,999	25,020	25,041	25,062	25,082	25,103	25,124	25,145	25,166

EDWARD ARTHUR PATTERSON LAKE 2013 CAPACITY TABLE										
ELEVATION Project Datum (Feet)	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.90
2,430.0	25,187	25,208	25,229	25,250	25,271	25,292	25,313	25,334	25,355	25,376
2,430.1	25,397	25,418	25,439	25,460	25,481	25,502	25,523	25,544	25,565	25,586
2,430.2	25,607	25,629	25,650	25,671	25,692	25,713	25,735	25,756	25,777	25,798
2,430.3	25,819	25,841	25,862	25,883	25,905	25,926	25,947	25,968	25,990	26,011
2,430.4	26,032	26,054	26,075	26,097	26,118	26,139	26,161	26,182	26,204	26,225
2,430.5	26,247	26,268	26,290	26,311	26,333	26,354	26,376	26,397	26,419	26,440
2,430.6	26,462	26,483	26,505	26,527	26,548	26,570	26,591	26,613	26,635	26,656
2,430.7	26,678	26,700	26,721	26,743	26,765	26,787	26,808	26,830	26,852	26,874
2,430.8	26,895	26,917	26,939	26,961	26,983	27,005	27,026	27,048	27,070	27,092
2,430.9	27,114	27,136	27,158	27,180	27,202	27,224	27,246	27,268	27,290	27,312
2,431.0	27,334	27,356	27,378	27,400	27,422	27,444	27,466	27,488	27,510	27,532
2,431.1	27,554	27,576	27,598	27,621	27,643	27,665	27,687	27,709	27,732	27,754
2,431.2	27,776	27,798	27,820	27,843	27,865	27,887	27,910	27,932	27,954	27,977
2,431.3	27,999	28,021	28,044	28,066	28,088	28,111	28,133	28,156	28,178	28,200
2,431.4	28,223	28,245	28,268	28,290	28,313	28,335	28,358	28,380	28,403	28,425
2,431.5	28,448	28,470	28,493	28,516	28,538	28,561	28,583	28,606	28,629	28,651
2,431.6	28,674	28,697	28,719	28,742	28,765	28,787	28,810	28,833	28,856	28,878
2,431.7	28,901	28,924	28,947	28,970	28,992	29,015	29,038	29,061	29,084	29,107
2,431.8	29,130	29,152	29,175	29,198	29,221	29,244	29,267	29,290	29,313	29,336
2,431.9	29,359	29,382	29,405	29,428	29,451	29,474	29,497	29,520	29,543	29,566
2,432.0	29,590	29,613	29,636	29,659	29,682	29,705	29,728	29,752	29,775	29,798
2,432.1	29,821	29,844	29,868	29,891	29,914	29,937	29,961	29,984	30,007	30,030
2,432.2	30,054	30,077	30,100	30,124	30,147	30,171	30,194	30,217	30,241	30,264
2,432.3	30,288	30,311	30,334	30,358	30,381	30,405	30,428	30,452	30,475	30,499
2,432.4	30,522	30,546	30,570	30,593	30,617	30,640	30,664	30,688	30,711	30,735
2,432.5	30,758	30,782	30,806	30,829	30,853	30,877	30,901	30,924	30,948	30,972
2,432.6	30,996	31,019	31,043	31,067	31,091	31,114	31,138	31,162	31,186	31,210
2,432.7	31,234	31,258	31,281	31,305	31,329	31,353	31,377	31,401	31,425	31,449
2,432.8	31,473	31,497	31,521	31,545	31,569	31,593	31,617	31,641	31,665	31,689
2,432.9	31,713	31,737	31,762	31,786	31,810	31,834	31,858	31,882	31,906	31,931
2,433.0	31,955	31,979	32,003	32,027	32,052	32,076	32,100	32,124	32,149	32,173
2,433.1	32,197	32,222	32,246	32,270	32,295	32,319	32,343	32,368	32,392	32,417
2,433.2	32,441	32,465	32,490	32,514	32,539	32,563	32,588	32,612	32,637	32,661
2,433.3	32,686	32,710	32,735	32,759	32,784	32,808	32,833	32,858	32,882	32,907
2,433.4	32,931	32,956	32,981	33,005	33,030	33,055	33,079	33,104	33,129	33,154
2,433.5	33,178	33,203	33,228	33,253	33,277	33,302	33,327	33,352	33,377	33,402
2,433.6	33,426	33,451	33,476	33,501	33,526	33,551	33,576	33,601	33,626	33,651
2,433.7	33,675	33,700	33,725	33,750	33,775	33,800	33,825	33,850	33,876	33,901
2,433.8	33,926	33,951	33,976	34,001	34,026	34,051	34,076	34,101	34,127	34,152
2,433.9	34,177	34,202	34,227	34,253	34,278	34,303	34,328	34,353	34,379	34,404

EDWARD ARTHUR PATTERSON LAKE 2013 CAPACITY TABLE										
ELEVATION Project Datum (Feet)	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.90
2,434.0	34,429	34,455	34,480	34,505	34,531	34,556	34,581	34,607	34,632	34,657
2,434.1	34,683	34,708	34,734	34,759	34,784	34,810	34,835	34,861	34,886	34,912
2,434.2	34,937	34,963	34,988	35,014	35,039	35,065	35,091	35,116	35,142	35,167
2,434.3	35,193	35,219	35,244	35,270	35,296	35,321	35,347	35,373	35,398	35,424
2,434.4	35,450	35,475	35,501	35,527	35,553	35,579	35,604	35,630	35,656	35,682
2,434.5	35,708	35,733	35,759	35,785	35,811	35,837	35,863	35,889	35,915	35,941
2,434.6	35,967	35,992	36,018	36,044	36,070	36,096	36,122	36,148	36,174	36,200
2,434.7	36,227	36,253	36,279	36,305	36,331	36,357	36,383	36,409	36,435	36,461
2,434.8	36,488	36,514	36,540	36,566	36,592	36,619	36,645	36,671	36,697	36,724
2,434.9	36,750	36,776	36,802	36,829	36,855	36,881	36,908	36,934	36,960	36,987
2,435.0	37,013	37,040	37,066	37,092	37,119	37,145	37,172	37,198	37,225	37,251
2,435.1	37,278	37,304	37,331	37,357	37,384	37,410	37,437	37,463	37,490	37,516
2,435.2	37,543	37,570	37,596	37,623	37,650	37,676	37,703	37,730	37,756	37,783
2,435.3	37,810	37,836	37,863	37,890	37,917	37,943	37,970	37,997	38,024	38,050
2,435.4	38,077	38,104	38,131	38,158	38,185	38,212	38,238	38,265	38,292	38,319
2,435.5	38,346	38,373	38,400	38,427	38,454	38,481	38,508	38,535	38,562	38,589
2,435.6	38,616	38,643	38,670	38,697	38,724	38,751	38,778	38,805	38,833	38,860
2,435.7	38,887	38,914	38,941	38,968	38,996	39,023	39,050	39,077	39,104	39,132
2,435.8	39,159	39,186	39,213	39,241	39,268	39,295	39,323	39,350	39,377	39,405
2,435.9	39,432	39,459	39,487	39,514	39,542	39,569	39,596	39,624	39,651	39,679
2,436.0	39,706	39,734	39,761	39,789	39,816	39,844	39,871	39,899	39,926	39,954
2,436.1	39,982	40,009	40,037	40,064	40,092	40,120	40,147	40,175	40,203	40,230
2,436.2	40,258	40,286	40,313	40,341	40,369	40,397	40,424	40,452	40,480	40,508
2,436.3	40,536	40,563	40,591	40,619	40,647	40,675	40,703	40,730	40,758	40,786
2,436.4	40,814	40,842	40,870	40,898	40,926	40,954	40,982	41,010	41,038	41,066
2,436.5	41,094	41,122	41,150	41,178	41,206	41,234	41,262	41,290	41,318	41,347
2,436.6	41,375	41,403	41,431	41,459	41,487	41,515	41,544	41,572	41,600	41,628
2,436.7	41,657	41,685	41,713	41,741	41,770	41,798	41,826	41,855	41,883	41,911
2,436.8	41,940	41,968	41,996	42,025	42,053	42,081	42,110	42,138	42,167	42,195
2,436.9	42,224	42,252	42,281	42,309	42,338	42,366	42,395	42,423	42,452	42,480
2,437.0	42,509	42,537	42,566	42,595	42,623	42,652	42,680	42,709	42,738	42,766
2,437.1	42,795	42,824	42,852	42,881	42,910	42,939	42,967	42,996	43,025	43,054
2,437.2	43,082	43,111	43,140	43,169	43,198	43,226	43,255	43,284	43,313	43,342
2,437.3	43,371	43,400	43,429	43,458	43,486	43,515	43,544	43,573	43,602	43,631
2,437.4	43,660	43,689	43,718	43,747	43,776	43,806	43,835	43,864	43,893	43,922
2,437.5	43,951	43,980	44,009	44,038	44,068	44,097	44,126	44,155	44,184	44,213
2,437.6	44,243	44,272	44,301	44,330	44,360	44,389	44,418	44,448	44,477	44,506
2,437.7	44,536	44,565	44,594	44,624	44,653	44,682	44,712	44,741	44,771	44,800
2,437.8	44,829	44,859	44,888	44,918	44,947	44,977	45,006	45,036	45,065	45,095
2,437.9	45,124	45,154	45,184	45,213	45,243	45,272	45,302	45,332	45,361	45,391

EDWARD ARTHUR PATTERSON LAKE 2013 CAPACITY TABLE										
ELEVATION Project Datum (Feet)	<u>0.00</u>	<u>0.01</u>	<u>0.02</u>	<u>0.03</u>	<u>0.04</u>	<u>0.05</u>	<u>0.06</u>	<u>0.07</u>	<u>0.08</u>	<u>0.90</u>
2,438.0	45,421	45,450	45,480	45,510	45,539	45,569	45,599	45,628	45,658	45,688
2,438.1	45,718	45,747	45,777	45,807	45,837	45,867	45,897	45,926	45,956	45,986
2,438.2	46,016	46,046	46,076	46,106	46,136	46,166	46,195	46,225	46,255	46,285
2,438.3	46,315	46,345	46,375	46,405	46,435	46,465	46,495	46,526	46,556	46,586
2,438.4	46,616	46,646	46,676	46,706	46,736	46,766	46,797	46,827	46,857	46,887
2,438.5	46,917	46,948	46,978	47,008	47,038	47,069	47,099	47,129	47,159	47,190
2,438.6	47,220	47,250	47,281	47,311	47,341	47,372	47,402	47,433	47,463	47,493
2,438.7	47,524	47,554	47,585	47,615	47,646	47,676	47,707	47,737	47,768	47,798
2,438.8	47,829	47,859	47,890	47,920	47,951	47,981	48,012	48,043	48,073	48,104
2,438.9	48,135	48,165	48,196	48,227	48,257	48,288	48,319	48,349	48,380	48,411
2,439.0	48,442	48,472	48,503	48,534	48,565	48,595	48,626	48,657	48,688	48,719
2,439.1	48,750	48,781	48,811	48,842	48,873	48,904	48,935	48,966	48,997	49,028
2,439.2	49,059	49,090	49,121	49,152	49,183	49,214	49,245	49,276	49,307	49,338
2,439.3	49,369	49,400	49,431	49,462	49,494	49,525	49,556	49,587	49,618	49,649
2,439.4	49,681	49,712	49,743	49,774	49,805	49,837	49,868	49,899	49,930	49,962
2,439.5	49,993	50,024	50,056	50,087	50,118	50,150	50,181	50,212	50,244	50,275
2,439.6	50,307	50,338	50,369	50,401	50,432	50,464	50,495	50,527	50,558	50,590
2,439.7	50,621	50,653	50,684	50,716	50,748	50,779	50,811	50,842	50,874	50,905
2,439.8	50,937	50,969	51,000	51,032	51,064	51,095	51,127	51,159	51,190	51,222
2,439.9	51,254	51,286	51,317	51,349	51,381	51,413	51,445	51,476	51,508	51,540
2,440.0	51,572									