

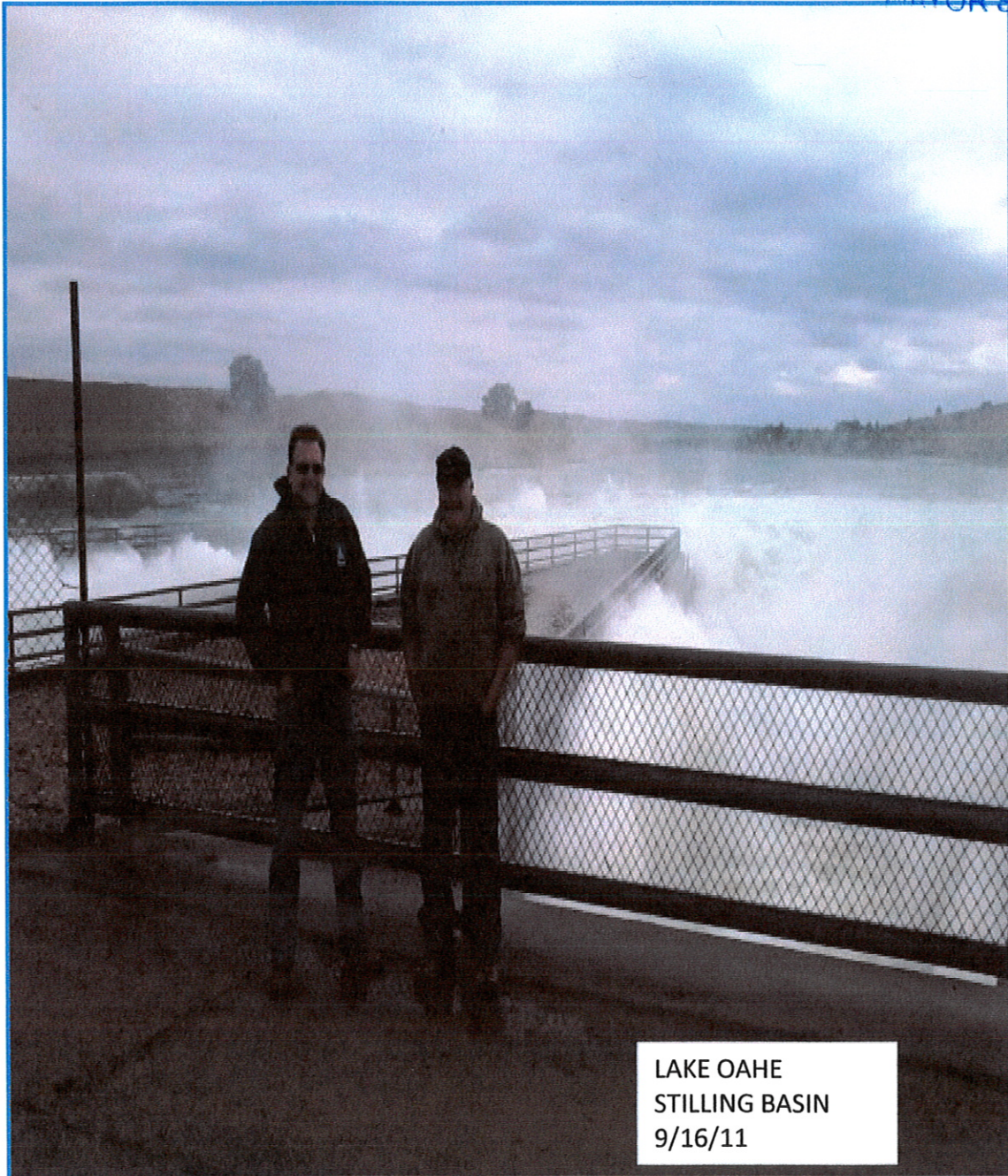
*RAPID CITY WATER DIVISION  
PRODUCTION GROUP REPORT*

RECEIVED

OCT 13 2011

**SEPTEMBER 2011**

MAYOR'S OFFICE



*BY TIM WEBER*

*WATER PRODUCTION SUPERVISOR*

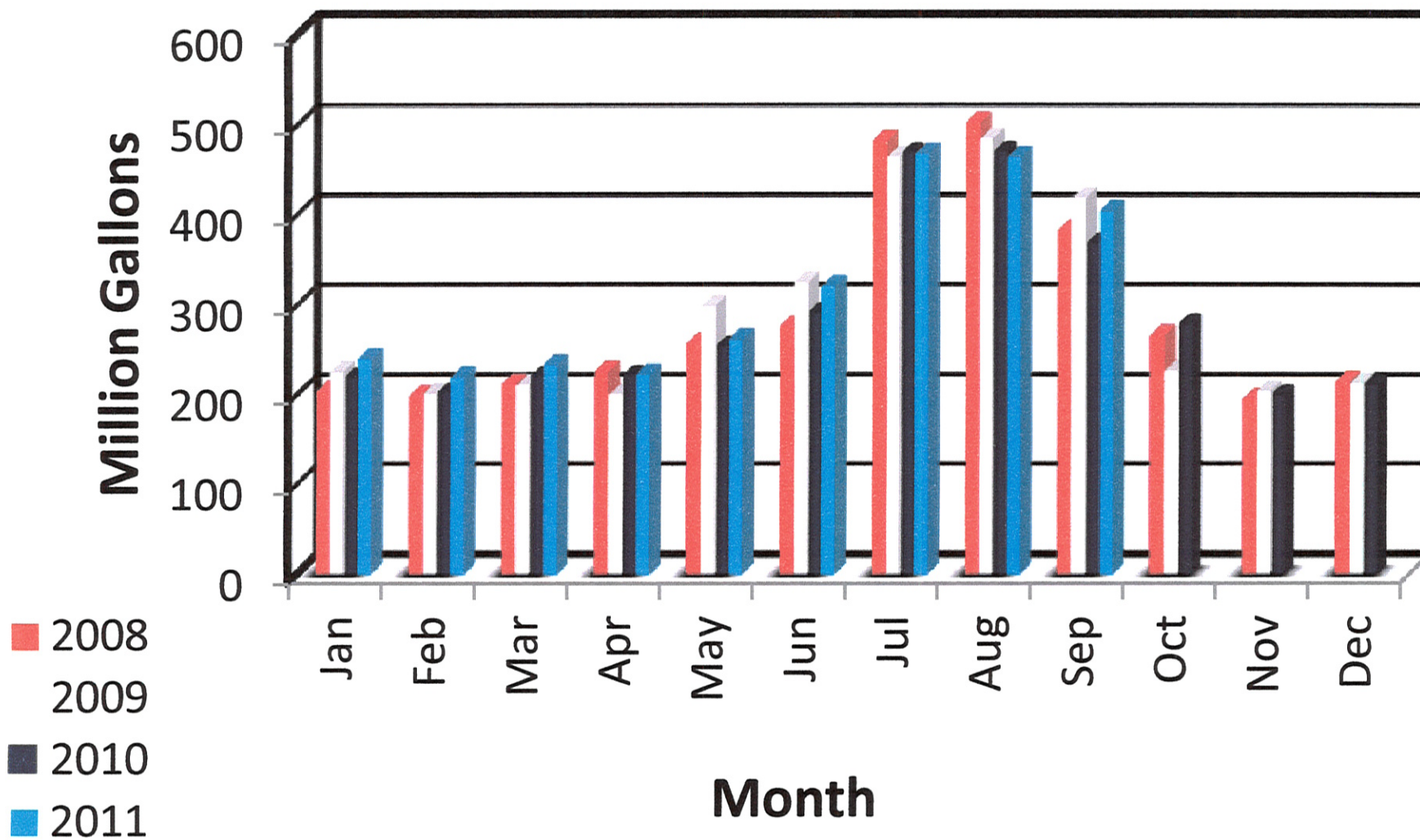
2011 TOTAL WATER PRODUCTION BY THE MONTH FOR THE YEAR

2011	GIRL SCOUTS	MEADOW BROOK	WELL #1	WELL #4	WELL #5	WELL #6	WELL #8	WELL #9	WELL #10	WELL #11	WELL #12	WT. PLANT TOTALS	TOTAL GALS.
JANUARY	0	0	0	13,272,000	56,892,000	3,288,000	0	90,289,000	56,605,000	0	18,847,000	0	239,193,000
FEBRUARY	0	0	0	11,142,000	53,053,000	18,441,000	0	74,097,000	48,292,000	0	14,081,000	0	219,106,000
MARCH	0	0	0	11,906,000	62,608,000	23,453,000	0	94,403,000	25,034,000	0	15,506,000	0	232,910,000
APRIL	0	0	0	1,217,000	56,161,000	16,254,000	0	92,056,000	38,008,000	0	18,684,000	0	222,380,000
MAY	0	0	0	0	65,470,000	18,501,000	2,377,000	99,214,000	52,972,000	2,000	22,722,000	0	261,258,000
JUNE	18,521,000	0	0	0	63,177,000	28,987,000	21,051,000	106,989,000	50,337,000	728,000	30,736,000	0	320,526,000
JULY	47,189,000	30,140,300	0	0	60,707,000	31,852,000	0	90,935,000	49,363,000	13,394,000	45,496,000	98,820,000	467,896,300
AUGUST	1,730,000	299,800	0	0	39,978,000	31,084,000	0	21,634,000	49,037,000	24,046,000	38,490,000	257,692,000	463,990,800
SEPTEMBER	70,147,000	41,907,700	0	0	63,582,000	30,987,000	0	101,358,000	46,071,000	26,131,000	23,371,000	0	403,554,700
OCTOBER	0	0	0	0	0	0	0	0	0	0	0	0	0
NOVEMBER	0	0	0	0	0	0	0	0	0	0	0	0	0
DECEMBER	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTALS	137,587,000	72,347,800	0	37,537,000	521,628,000	202,847,000	23,428,000	770,975,000	415,719,000	64,301,000	227,933,000	356,512,000	2,830,814,800

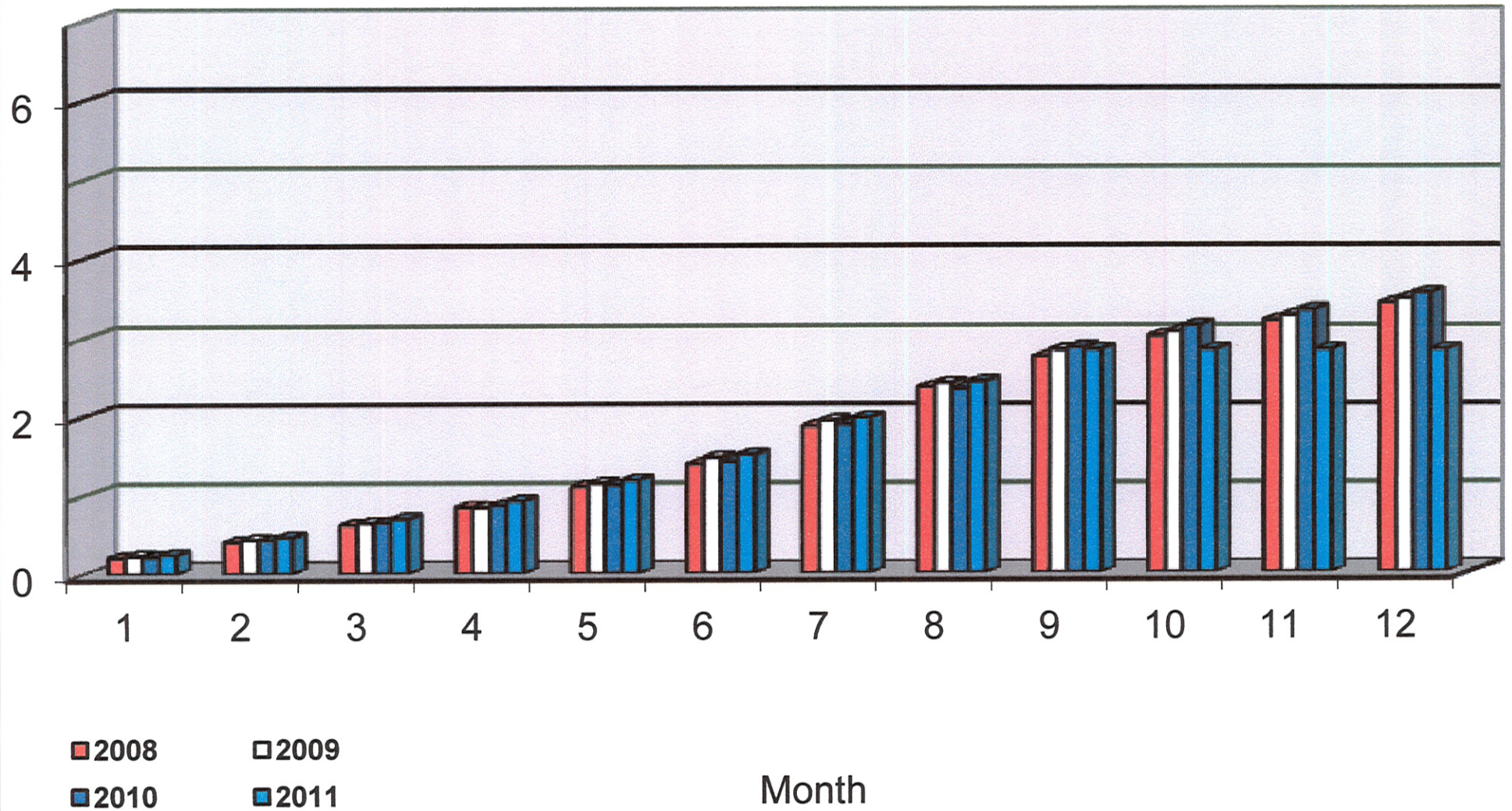
IRRIGATION SEASON TOTALS MAY 1 - SEPT. 30

137,587,000	72,347,800	0	0	292,914,000	141,411,000	23,428,000	420,130,000	247,780,000	64,301,000	160,815,000	356,512,000	1,917,225,800
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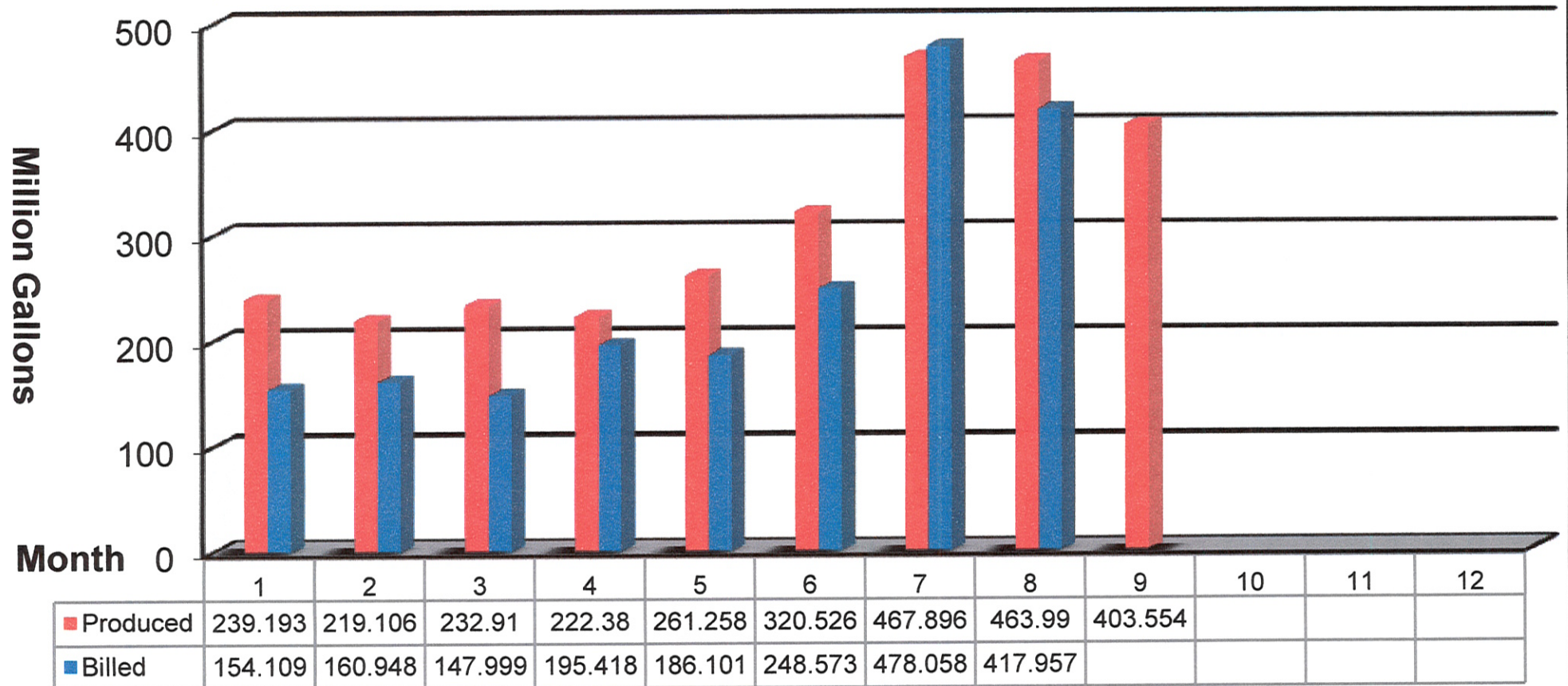
## Rapid City potable water comparison



## Rapid City Cumulative Potable Water Comparison 2008-2011 in Billion Gallons

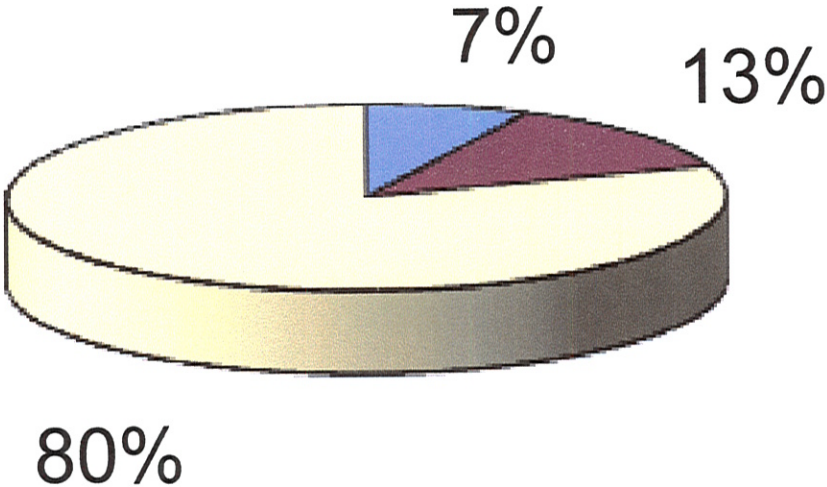


## 2011 Potable Water Produced VS Water Billed



Figures shown are produced and billed for approximately the same time period.  
 Billed includes non-billed consumption by Rapid Valley due to salt

# 2011 Total Potable Water Used



- Infiltration Galleries
- Surface Plant
- Wells

## 2011 Potable Well Water Used

■ Wells 1,4

■ Well 5

■ Well 6

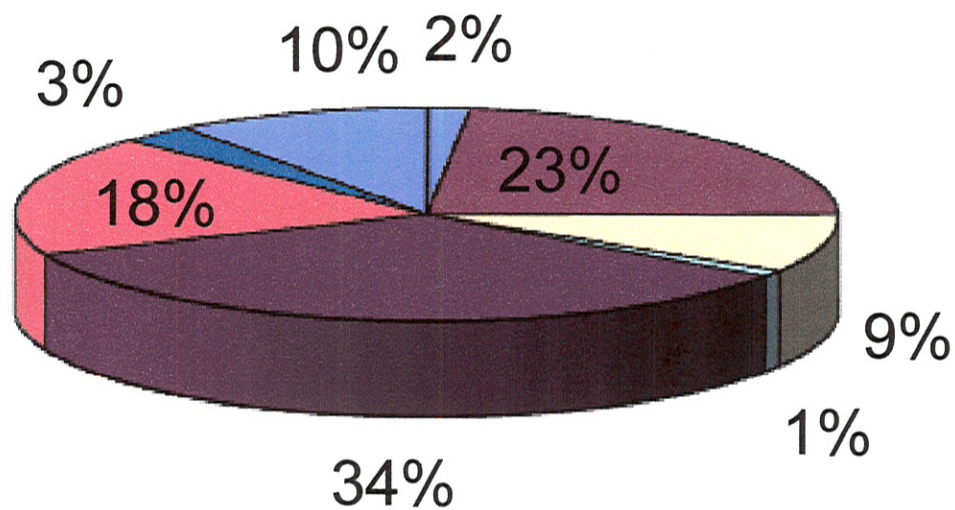
■ Well 8

■ Well 9

■ Well 10

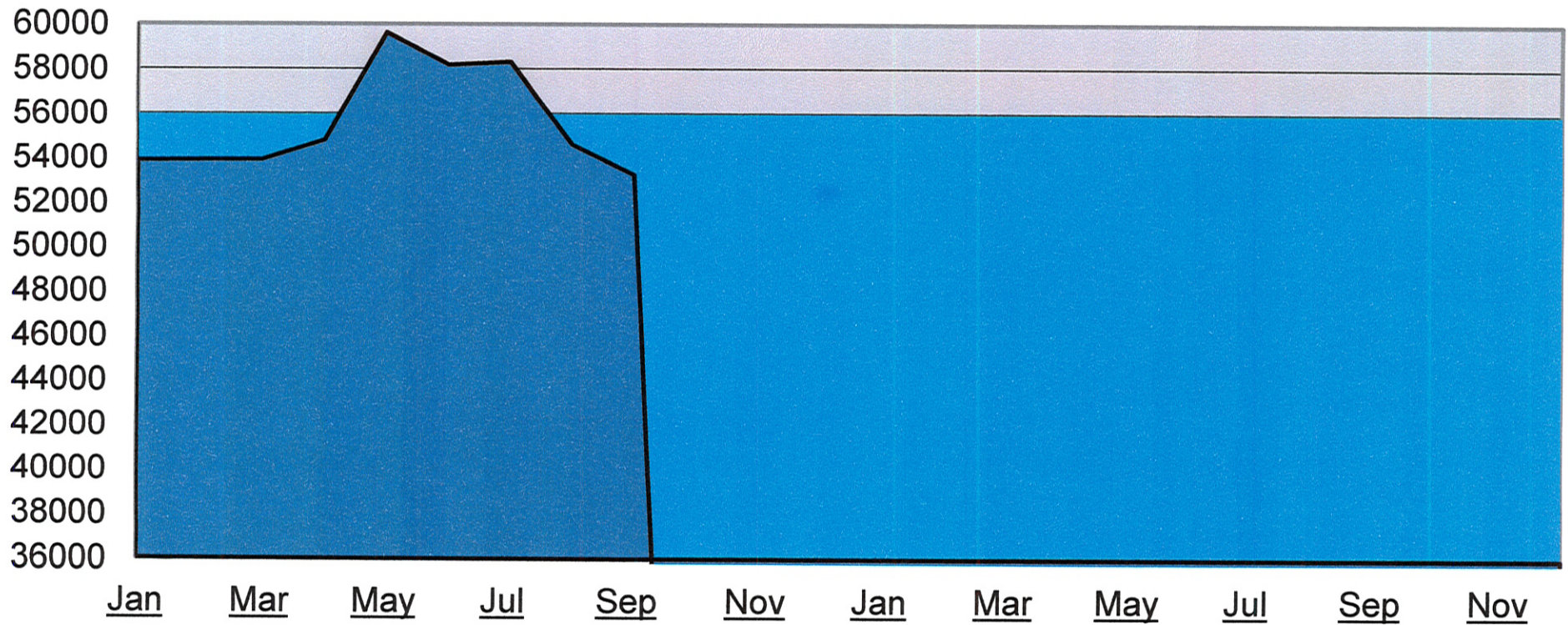
■ Well 11

■ Well 12



# Pactola Storage in Acre Feet January 2011 - December 2012

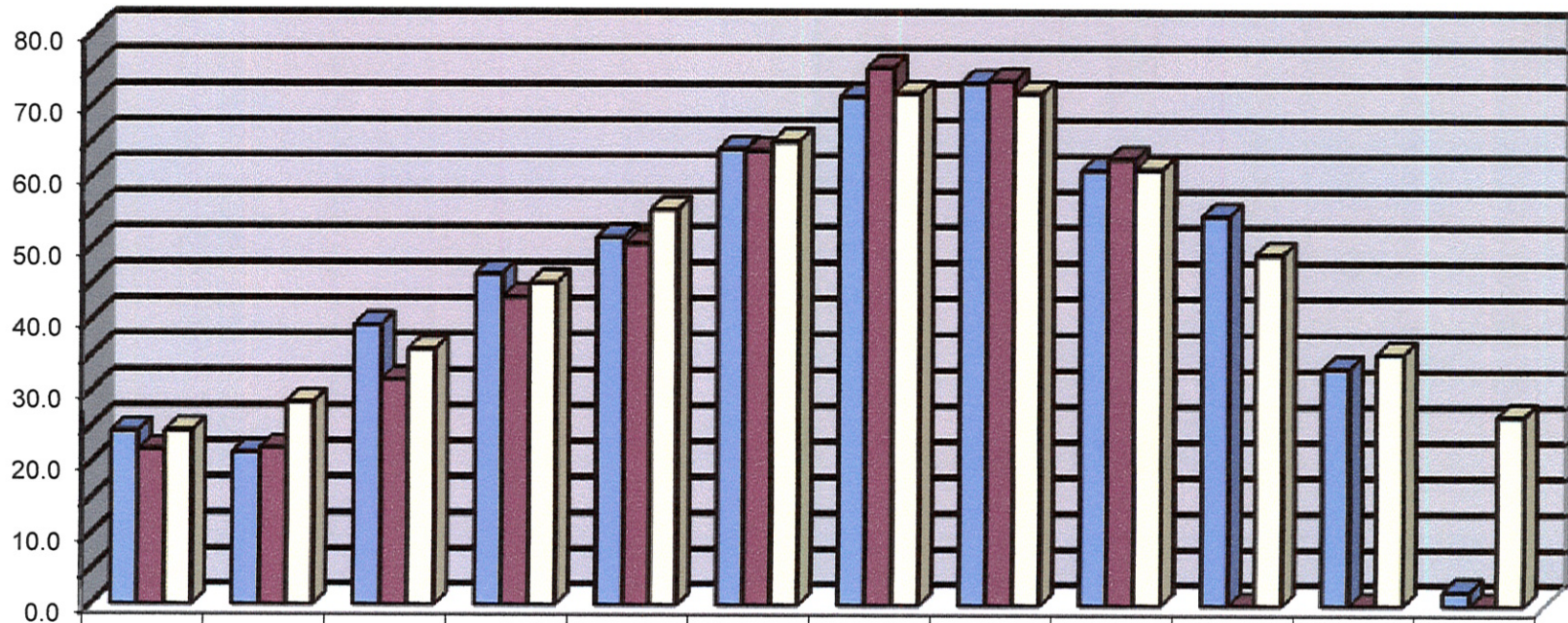
■ Full Reservoir Pool    ■ End of Month Volume





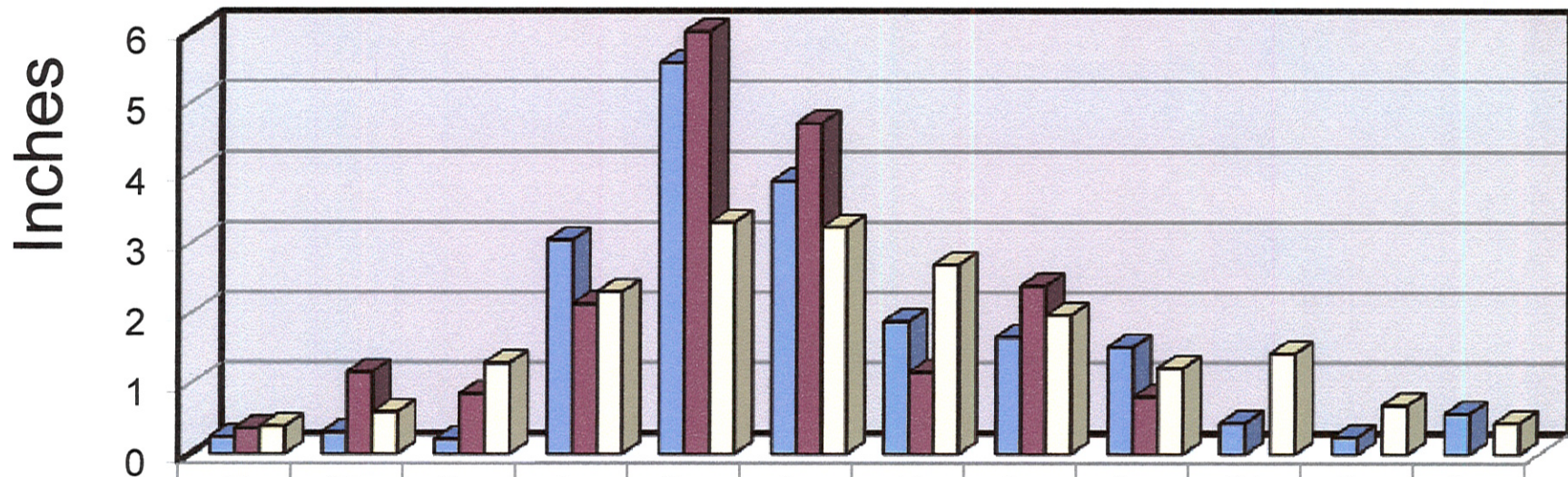
## Monthly Overall Temperature Averages 2010 VS 2011

Fahrenheit



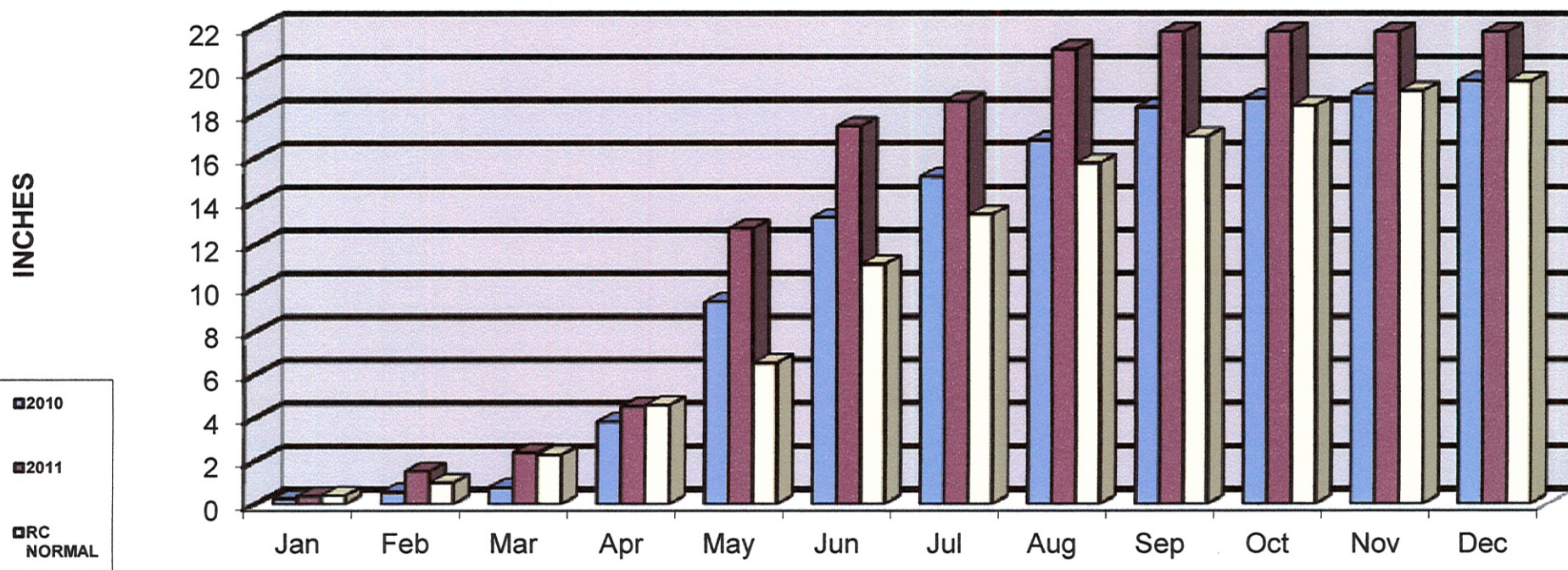
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2010	24.3	21.3	39.2	46.4	51.5	63.9	71.2	73.2	61.0	54.6	33.3	2.0
2011	21.7	21.9	31.6	43.2	50.6	63.7	75.3	73.5	62.6	0.0	0.0	0.0
RC NORMAL.	24.4	28.4	35.8	45.1	55.4	65.0	71.7	71.7	61.1	49.2	35.3	26.6

### Monthly Precipitation Totals 2010 VS 2011



	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
■2010	0.24	0.31	0.21	3.04	5.56	3.88	1.88	1.66	1.52	0.44	0.24	0.57
■2011	0.36	1.16	0.85	2.13	8.24	4.7	1.16	2.39	0.81			
■RC NORMAL	0.39	0.59	1.29	2.3	3.29	3.22	2.69	1.97	1.22	1.43	0.69	0.44

### Cumulative Monthly Precipitation Totals 2010 VS 2011



**RAPID CITY SOURCE PRODUCTION FOR SEPTEMBER 2011**

SEPT 2011	GIRL SCOUTS	MEADOW BROOK	WELL #1	WELL #4	WELL #5	WELL #6	WELL #8	WELL #9	WELL #10	WELL #11	WELL #12	TREATMENT PLANT	TOTAL GALS.
1	892000	1255100	0	0	1637000	947000	0	2559000	1248000	993000	627000	0	10,158,100
2	2275000	2749200	0	0	2172000	1108000	0	2860000	1690000	676000	1063000	0	14,393,200
3	1815000	1643800	0	0	1844000	1028000	0	2874000	1526000	805000	264000	0	11,799,800
4	2412000	841000	0	0	2230000	1027000	0	3832000	1277000	985000	1039000	0	13,643,000
5	2202000	1785500	0	0	2025000	979000	0	3409000	1502000	755000	379000	0	13,036,500
6	2402000	2183500	0	0	2115000	1043000	0	3543000	1773000	993000	855000	0	14,907,500
7	2467000	2875000	0	0	2267000	1060000	0	3505000	1646000	853000	977000	0	15,650,000
8	2368000	2806300	0	0	2158000	1014000	0	3427000	1389000	972000	1088000	0	15,222,300
9	2947000	3503700	0	0	2260000	1051000	0	4040000	1553000	1245000	1227000	0	17,826,700
10	2047000	2465200	0	0	1993000	1033000	0	2899000	1502000	814000	442000	0	13,195,200
11	2909000	3468800	0	0	2299000	1111000	0	3072000	1343000	1052000	1075000	0	16,329,800
12	2410000	2985200	0	0	2015000	965000	0	2841000	1562000	933000	1050000	0	14,761,200
13	2260000	2658100	0	0	2169000	1043000	0	3572000	1466000	976000	742000	0	14,886,100
14	2492000	2988700	0	0	1899000	1093000	0	2820000	1620000	916000	913000	0	14,741,700
15	2802000	1168000	0	0	1791000	959000	0	2690000	1720000	741000	1247000	0	12,918,000
16	2522000	0	0	0	2272000	1042000	0	3687000	1558000	831000	13000	0	11,925,000
17	2552000	0	0	0	2188000	1045000	0	2719000	1593000	664000	964000	0	11,725,000
18	2533000	0	0	0	2170000	1054000	0	2423000	1525000	644000	222000	0	10,571,000
19	1725000	0	0	0	2306000	1098000	0	3496000	1573000	635000	508000	0	11,341,000
20	2162000	0	0	0	2062000	1037000	0	3687000	1617000	890000	665000	0	12,120,000
21	1575000	0	0	0	2160000	1042000	0	3781000	1456000	653000	1214000	0	11,881,000
22	2641000	0	0	0	2171000	945000	0	4188000	1584000	903000	203000	0	12,635,000
23	2598000	0	0	0	2126000	1005000	0	3746000	1593000	823000	921000	0	12,812,000
24	2258000	585400	0	0	2170000	1042000	0	3594000	1587000	830000	1110000	0	13,176,400
25	2433000	1064200	0	0	2080000	1029000	0	3372000	1503000	964000	202000	0	12,647,200
26	2507000	1463800	0	0	2288000	1138000	0	3641000	1458000	916000	1154000	0	14,565,800
27	2321000	2356400	0	0	2295000	1029000	0	3451000	1687000	859000	807000	0	14,805,400
28	2400000	1059800	0	0	2020000	1020000	0	3660000	1460000	1090000	456000	0	13,165,800
29	2530000	0	0	0	2230000	1070000	0	4120000	1730000	800000	997000	0	13,477,000
30	2890000	1000	0	0	2170000	930000	0	4050000	1330000	920000	947000	0	13,238,000
TOTAL	70,147,000	41,907,700	0	0	63,582,000	30,987,000	0	101,358,000	46,071,000	26,131,000	23,371,000	0	403,554,700
DEEP WELL AVERAGES			#DIV/0!	#DIV/0!	2,119,400	1,032,900	#DIV/0!	3,378,600	1,535,700	871,033	779,033	0	13,017,894

TOTAL PRODUCTION FOR SEPTEMBER, 2011 PREPARED BY TIM WEBER, SUPERVISOR

SEPT 2011	GIRL SCOUTS	DAILY USAGE	RUNNING TOTAL	MEADOW- BROOK	DAILY USAGE	RUNNING TOTAL	WELL#1	DAILY USAGE	RUNNING TOTAL	WELL#4	DAILY USAGE	RUNNING TOTAL	SEPT 2011	WELL #5	DAILY USAGE	RUNNING TOTAL	WELL #6	DAILY USAGE	RUNNING TOTAL	WELL #8
LAST READ	885873			71721531			23943513			1376981			LAST READ	294688			2479533			2971764
1	888785	892000	892000	71734082	1255100	1255100	23943513	0	0	1376981	0	0	1	296325	1637000	1637000	2480480	947000	947000	2971764
2	889040	2275000	3167000	71761574	2749200	4004300	23943513	0	0	1376981	0	0	2	298457	2172000	3809000	2481588	1108000	2055000	2971764
3	890855	1815000	4982000	71778012	1643800	5648100	23943513	0	0	1376981	0	0	3	300341	1844000	5653000	2482616	1028000	3083000	2971764
4	893287	2412000	7394000	71786422	841000	6489100	23943513	0	0	1376981	0	0	4	302571	2230000	7893000	2483643	1027000	4110000	2971764
5	895469	2202000	9596000	71804277	1785500	8274600	23943513	0	0	1376981	0	0	5	304596	2025000	9908000	2484622	979000	5089000	2971764
6	897871	2402000	11998000	71826112	2183500	10458100	23943513	0	0	1376981	0	0	6	306711	2115000	12023000	2485665	1043000	6132000	2971764
7	900338	2467000	14465000	71854862	2875000	13333100	23943513	0	0	1376981	0	0	7	308978	2267000	14290000	2486725	1060000	7192000	2971764
8	902706	2368000	16833000	71882925	2806300	16139400	23943513	0	0	1376981	0	0	8	311136	2158000	16448000	2487739	1014000	8206000	2971764
9	905653	2947000	19780000	71917962	3503700	19643100	23943513	0	0	1376981	0	0	9	313396	2260000	18708000	2488790	1051000	9257000	2971764
10	907700	2047000	21827000	71942814	2465200	22108300	23943513	0	0	1376981	0	0	10	315389	1993000	20701000	2489823	1033000	10290000	2971764
11	910809	2909000	24736000	71977302	3468800	25577100	23943513	0	0	1376981	0	0	11	317688	2299000	23000000	2490934	1111000	11401000	2971764
12	913019	2410000	27146000	72007154	2985200	28562300	23943513	0	0	1376981	0	0	12	319703	2015000	25015000	2491899	965000	12366000	2971764
13	915279	2260000	29406000	72033735	2658100	31220400	23943513	0	0	1376981	0	0	13	321872	2169000	27184000	2492942	1043000	13409000	2971764
14	917771	2492000	31898000	72063622	2988700	34209100	23943513	0	0	1376981	0	0	14	323771	1899000	29083000	2494035	1093000	14502000	2971764
15	920373	2602000	34500000	72075302	1168000	35377100	23943513	0	0	1376981	0	0	15	325562	1791000	30874000	2494994	959000	15461000	2971764
16	922895	2522000	37022000	72075302	0	35377100	23943513	0	0	1376981	0	0	16	327834	2272000	33146000	2496036	1042000	16503000	2971764
17	925447	2552000	39574000	72075302	0	35377100	23943513	0	0	1376981	0	0	17	330022	2188000	35334000	2497081	1045000	17548000	2971764
18	927980	2533000	42107000	72075302	0	35377100	23943513	0	0	1376981	0	0	18	332192	2170000	37504000	2498135	1054000	18602000	2971764
19	929705	1725000	43832000	72075302	0	35377100	23943513	0	0	1376981	0	0	19	334498	2306000	39810000	2499233	1098000	19700000	2971764
20	931867	2162000	45994000	72075302	0	35377100	23943513	0	0	1376981	0	0	20	336560	2062000	41872000	2500270	1037000	20737000	2971764
21	933442	1575000	47569000	72075302	0	35377100	23943513	0	0	1376981	0	0	21	338720	2160000	44032000	2501312	1042000	21779000	2971764
22	936083	2641000	50210000	72075302	0	35377100	23943513	0	0	1376981	0	0	22	340891	2171000	46203000	2502257	945000	22724000	2971764
23	938681	2598000	52808000	72075302	0	35377100	23943513	0	0	1376981	0	0	23	343017	2126000	48329000	2503262	1005000	23729000	2971764
24	940939	2258000	55066000	72081156	585400	35962500	23943513	0	0	1376981	0	0	24	345187	2170000	50499000	2504304	1042000	24771000	2971764
25	943372	2433000	57499000	72091798	1064200	37026700	23943513	0	0	1376981	0	0	25	347267	2080000	52579000	2505333	1029000	25800000	2971764
26	945879	2507000	60006000	72106436	1463800	38490500	23943513	0	0	1376981	0	0	26	349555	2288000	54867000	2506471	1138000	26938000	2971764
27	948200	2321000	62327000	72130000	2356400	40846900	23943513	0	0	1376981	0	0	27	351850	2295000	57162000	2507500	1029000	27967000	2971764
28	950800	2400000	64727000	72140598	1059800	41906700	23943513	0	0	1376981	0	0	28	353870	2020000	59182000	2508520	1020000	28987000	2971764
29	953130	2530000	67257000	72140598	0	41906700	23943513	0	0	1376981	0	0	29	356100	2230000	61412000	2509590	1070000	30057000	2971764
30	956020	2890000	70147000	72140608	1000	41907700	23943513	0	0	1376981	0	0	30	358270	2170000	63582000	2510520	930000	30987000	2971764
RUNNING_TOTAL			70147000			41907700		0				0				63582000			30987000	

RAW H2O USE INDICATES: MBROOK, AHEAD G.C, EXEC.G.C, (AVERAGE USAGE FOR THE MONTH).

TOTAL PRODUCTION FOR SEPTEMBER, 2011 PREPARED BY TIM WEBER, SUPERVISOR

PW110111-04

DAILY USAGE	RUNNING TOTAL	WELL #9	DAILY USAGE	RUNNING TOTAL	WELL #10	DAILY USAGE	RUNNING TOTAL	WELL #11	DAILY USAGE	RUNING TOTAL	WELL #12	DAILY USAGE	RUNING TOTAL	SEPT 2011	OUTSIDE DAILY-TOTAL	OUTSIDE RUN-TOTAL	PLANT LOW SERVICE	DAILY USAGE	RUNNING TOTAL
		11703772			8254449			1984759			623429			LAST READ			317856		
0	0	11706331	2559000	2559000	8255697	1248000	1248000	1985752	993000	993000	624056	627000	627000	1	10158100	10158100	317856	0	0
0	0	11708991	2660000	5219000	8257387	1690000	2938000	1986428	676000	1669000	625119	1063000	1690000	2	14393200	24551300	317856	0	0
0	0	11711865	2874000	8093000	8258913	1526000	4464000	1987233	805000	2474000	625383	264000	1954000	3	11799800	36351100	317856	0	0
0	0	11715697	3832000	11925000	8260190	1277000	5741000	1988218	985000	3459000	626422	1039000	2993000	4	13643000	49994100	317856	0	0
0	0	11719106	3409000	15334000	8261692	1502000	7243000	1988973	755000	4214000	626801	379000	3372000	5	13036500	63030600	317856	0	0
0	0	11722649	3543000	18877000	8263465	1773000	9016000	1989966	993000	5207000	627656	855000	4227000	6	14907500	77938100	317856	0	0
0	0	11726154	3505000	22382000	8265111	1646000	10662000	1990819	853000	6060000	628633	977000	5204000	7	15650000	93588100	317856	0	0
0	0	11729581	3427000	25809000	8266500	1389000	12051000	1991791	972000	7032000	629721	1088000	6292000	8	15222300	108810400	317856	0	0
0	0	11733621	4040000	29849000	8268053	1553000	13604000	1993036	1245000	8277000	630948	1227000	7519000	9	17826700	126637100	317856	0	0
0	0	11736520	2899000	32748000	8269555	1502000	15106000	1993850	814000	9091000	631390	442000	7961000	10	13195200	139832300	317856	0	0
0	0	11739592	3072000	35820000	8270898	1343000	16449000	1994902	1052000	10143000	632465	1075000	9036000	11	16329800	156162100	317856	0	0
0	0	11742433	2841000	38661000	8272460	1562000	18011000	1995835	933000	11076000	633515	1050000	10086000	12	14761200	170923300	317856	0	0
0	0	11746005	3572000	42233000	8273926	1466000	19477000	1996811	976000	12052000	634257	742000	10828000	13	14886100	185809400	317856	0	0
0	0	11748825	2820000	45053000	8275546	1620000	21097000	1997727	916000	12968000	635170	913000	11741000	14	14741700	200551100	317856	0	0
0	0	11751515	2690000	47743000	8277266	1720000	22817000	1998468	741000	13709000	636417	1247000	12968000	15	12918000	213469100	317856	0	0
0	0	11755202	3687000	51430000	8278824	1558000	24375000	1999299	831000	14540000	636430	13000	13001000	16	11925000	225394100	317856	0	0
0	0	11757921	2719000	54149000	8280417	1593000	25968000	1999963	664000	15204000	637394	964000	13965000	17	11725000	237119100	317856	0	0
0	0	11760344	2423000	56572000	8281942	1525000	27493000	2000607	644000	15848000	637616	222000	14187000	18	10571000	247690100	317856	0	0
0	0	11763840	3496000	60068000	8283515	1573000	29066000	2001242	635000	16483000	638124	508000	14695000	19	11341000	259031100	317856	0	0
0	0	11767527	3687000	63755000	8285132	1617000	30683000	2002132	890000	17373000	638789	665000	15360000	20	12120000	271151100	317856	0	0
0	0	11771308	3781000	67536000	8286588	1456000	32139000	2002785	653000	18026000	640003	1214000	16574000	21	11881000	283032100	317856	0	0
0	0	11775496	4188000	71724000	8288172	1584000	33723000	2003688	903000	18929000	640206	203000	16777000	22	12635000	295667100	317856	0	0
0	0	11779242	3746000	75470000	8289765	1593000	35316000	2004511	823000	19752000	641127	921000	17698000	23	12812000	308479100	317856	0	0
0	0	11782836	3594000	79064000	8291352	1587000	36903000	2005341	830000	20582000	642237	1110000	18808000	24	13176400	321655500	317856	0	0
0	0	11786208	3372000	82436000	8292855	1503000	38406000	2006305	964000	21546000	642439	202000	19010000	25	12647200	334302700	317856	0	0
0	0	11789849	3641000	86077000	8294313	1458000	39864000	2007221	916000	22462000	643593	1154000	20164000	26	14565800	348868500	317856	0	0
0	0	11793300	3451000	89528000	8296000	1687000	41551000	2008080	859000	23321000	644400	807000	20971000	27	14805400	363673900	317856	0	0
0	0	11796960	3660000	93188000	8297460	1460000	43011000	2009170	1090000	24411000	644856	456000	21427000	28	13165800	376839700	317856	0	0
0	0	11801080	4120000	97308000	8299190	1730000	44741000	2009970	800000	25211000	645853	997000	22424000	29	13477000	390316700	317856	0	0
0	0	11805130	4050000	101358000	8300520	1330000	46071000	2010890	920000	26131000	646800	947000	23371000	30	13238000	403554700	317856	0	0
0	0		0	101358000		0	46071000		0	26131000		0	23371000		0	0		0	0

RAW H2O USE INDICATES: MBROOK, AHEAD G.C, EXEC.G.C, (AVERAGE USAGE FOR THE MONTH).

TOTAL PRODUCTION FOR SEPTEMBER, 2011 PREPARED BY TIM WEBER, SUPERVISOR

PW110111-04

PLANT HIGH SERVICE	DAILY USAGE	RUNNING TOTAL	DAILY PLANT TOTAL	PLANT RUN TOTAL	DAILY TOTAL EVERYTHING	RUNNING TOTAL EVERYTHING	SEPT 2011	DEEP WELL PRODUCTION	GOLF COURSES GALLONS	REPLACEMENT WATER USEC	REPLACEMENT WATER MINUS NAT. FLOWS	REPLACEMENT WATER USED CFS	WATER ORDER CFS	NATURAL FLOW CREDIT CFS	TOTAL REQUESTED CFS
716															
716	0	0	0	0	10158100	10158100	1	8011000	582392	2729492	-1794412	-2.78	0.0	9.8	9.8
716	0	0	0	0	14393200	24551300	2	9369000	582392	5806592	1082688	1.68	0.0	9.8	9.8
716	0	0	0	0	11799800	36351100	3	8341000	582392	4041192	-482712	-0.75	0.0	9.8	9.8
716	0	0	0	0	13643000	49994100	4	10390000	582392	3835392	-688512	-1.07	0.0	9.8	9.8
716	0	0	0	0	13036500	63030600	5	9049000	582392	4569892	45988	0.07	0.0	9.8	9.8
716	0	0	0	0	14907500	77938100	6	10322000	582392	5167892	643988	1.00	0.0	9.8	9.8
716	0	0	0	0	15650000	93588100	7	10308000	582392	5924392	1400488	2.17	0.0	9.8	9.8
716	0	0	0	0	15222300	108810400	8	10048000	582392	5756692	1232788	1.91	0.0	9.8	9.8
716	0	0	0	0	17826700	126637100	9	11376000	582392	7033092	2509188	3.88	0.0	9.8	9.8
716	0	0	0	0	13195200	139832300	10	8683000	582392	5094592	570688	0.88	0.0	9.8	9.8
716	0	0	0	0	16329800	156162100	11	9952000	582392	6960192	2436288	3.77	0.0	9.8	9.8
716	0	0	0	0	14761200	170923300	12	9368000	582392	5977592	1453688	2.25	0.0	9.8	9.8
716	0	0	0	0	14886100	185809400	13	9968000	582392	5500492	976588	1.51	0.0	9.8	9.8
716	0	0	0	0	14741700	200551100	14	9261000	582392	6063092	1539188	2.38	0.0	9.8	9.8
716	0	0	0	0	12918000	213469100	15	9148000	582392	4352392	-171512	-0.27	0.0	9.8	9.8
716	0	0	0	0	11925000	225394100	16	9403000	582392	3104392	-1419512	-2.20	0.0	9.8	9.8
716	0	0	0	0	11725000	237119100	17	9173000	582392	3134392	-1389512	-2.15	0.0	9.8	9.8
716	0	0	0	0	10571000	247690100	18	8038000	582392	3115392	-1408512	-2.18	0.0	9.8	9.8
716	0	0	0	0	11341000	259031100	19	9618000	582392	2307392	-2216512	-3.43	0.0	9.8	9.8
716	0	0	0	0	12120000	271151100	20	9958000	582392	2744392	-1779512	-2.75	0.0	9.8	9.8
716	0	0	0	0	11881000	283032100	21	10306000	582392	2157392	-2366512	-3.66	0.0	9.8	9.8
716	0	0	0	0	12835000	295667100	22	9994000	582392	3223392	-1300512	-2.01	0.0	9.8	9.8
716	0	0	0	0	12812000	308479100	23	10214000	582392	3180392	-1343512	-2.08	0.0	9.8	9.8
716	0	0	0	0	13176400	321655500	24	10333000	582392	3425792	-1098112	-1.70	0.0	9.8	9.8
716	0	0	0	0	12647200	334302700	25	9150000	582392	4079592	-444312	-0.69	0.0	9.8	9.8
716	0	0	0	0	14565900	348868500	26	10595000	582392	4553192	29288	0.05	0.0	9.8	9.8
716	0	0	0	0	14805400	363673900	27	10128000	582392	5259792	735888	1.14	0.0	9.8	9.8
716	0	0	0	0	13165900	376839700	28	9706000	582392	4042192	-481712	-0.75	0.0	9.8	9.8
716	0	0	0	0	13477000	390316700	29	10947000	582392	3112392	-1411512	-2.18	0.0	9.8	9.8
716	0	0	0	0	13238000	403554700	30	10347000	582416	3473416	-1050488	-1.63	0.0	9.8	9.8
	0	0	0	Monthly Avg.	0			291500000	17471784	0	0	0.00	0.0	0.0	

Total Ordered

RAW H2O USE INDICATES: MBROOK, AHEAD G.C, EXEC.G.C, (AVERAGE USAGE FOR THE MONTH).

**CHEMICAL DOSAGE COSTS  
2011 PREPARED BY TIM WEBER, WATER PRODUCTION SUPERVISOR**

Year	Location	Production	Pounds CL2			Pounds NaSiF			Gal. FL Acid		Pounds FL Acid			Gal. pax xl		Pounds pax xl	
			Used	Dosage	Cost	Used	Dosage	Cost	Used	Used	Dosage	Cost	Used	Used	Dosage	Cost	
9/30/11	Girl Scouts	70,147,000	717	1.23	\$458.16	0	0.00	\$0.00	248	2,480	4.24	\$1,016.80					
	Mdbrk	41,907,700	410	1.17	\$261.99	0	0.00	\$0.00	128	1,280	3.66	\$524.80					
	Well #1	0	0	0.00	\$0.00	0	0.00	\$0.00	0	0	0.00	\$0.00					
	Well #4	0	0	0.00	\$0.00	0	0.00	\$0.00	0	0	0.00	\$0.00					
	Well #5	63,582,000	420	0.79	\$268.38	0	0.00	\$0.00	277	2,770	5.22	\$1,135.70					
	Well #6	30,987,000	260	1.01	\$166.14	0	0.00	\$0.00	116	1,160	4.49	\$475.60					
	Well #8	0	0	0.00	\$0.00	0	0.00	\$0.00	0	0	0.00	\$0.00					
	Well #9	101,358,000	1,005	1.19	\$642.20	0	0.00	\$0.00	402	4,020	4.76	\$1,648.20					
	Well #10	46,071,000	280	0.73	\$178.92	0	0.00	\$0.00	151	1,510	3.93	\$619.10					
	Well #11	26,131,000	259	1.19	\$165.50	0	0.00	\$0.00	89	890	4.08	\$364.90					
	Well #12	23,371,000	18	0.09	\$14.40	0	0.00	\$0.00	65	650	3.33	\$266.50					
	WTP	0	0	0.00	\$0.00	0	0.00	\$0.00	0	0	0.00	\$0.00	0	0	0.00	\$0.00	
<b>MO TOTAL</b>		<b>403,554,700</b>	<b>3,369</b>		<b>\$2,155.69</b>	<b>0</b>		<b>\$0.00</b>	<b>1,476</b>	<b>14,760</b>		<b>\$6,051.60</b>	<b>0</b>	<b>0</b>		<b>\$0.00</b>	
<b>YEARLY</b>		<b>2,830,814,800</b>	<b>27,847</b>		<b>\$18,584.82</b>	<b>0</b>		<b>\$0.00</b>	<b>10,869</b>	<b>108,690</b>		<b>\$45,084.54</b>	<b>3,430</b>	<b>35,363</b>		<b>\$15,913.49</b>	

Costs Effective 9/30/2011



## RAPID CITY TOTAL RAW WATER USAGE LESS GALLERIES /TREATMENT PLANT FOR JANUARY 2011 THRU DECEMBER 2011

JAN. 2011 DEC. 2011	ARROWHEAD GOLF COURSE	EXECUTIVE GOLF COURSE	MEADOWBROOK GOLF COURSE	MONTH TOTALS IN GALLONS	REPLACEMENT H2O -M.BROOK G.C. IN CFS/MONTH
JAN.	0	0	0	0	0.0
FEB.	0	0	0	0	0.0
MARCH	0	0	0	0	0.0
APRIL	258,060	0	1,484,032	1,742,092	0.4
MAY	3,740,000	927,520	4,717,636	9,385,156	7.2
JUNE	1,492,260	875,160	3,298,680	5,666,100	3.7
JULY	5,606,260	2,464,660	6,277,216	14,348,136	12.5
AUGUST	7,655,780	1,641,860	8,174,144	17,471,784	14.4
SEPT	9,013,400	2,030,820	8,160,680	19,204,900	17.1
OCT	0	0	0	0	0.0
NOV	0	0	0	0	0.0
DEC.	0	0	0	0	0.0
TOTAL	27,765,760	7,940,020	32,112,388	67,818,168	55.2
<p>M.Brook G.C. total 1200 gpm, water rt. 1.5cfs, or about 700 gpm.  Exec. G.C. 650 gpm but only produces 350 gpm.  Arrowhead G.C. 550 gpm, water right 2.38cfs or 1,068 gpm.</p>					

## RAPID CREEK WATER USAGE JAN 1 2011 - DEC 31 2011

JAN. 2011 DEC. 2011	TREATED WATER SOURCES GALLONS	UNTREATED WATER SOURCES GALLONS	MONTHLY TOTALS GALLONS	ACRE-FEET CONVERSIONS
JAN.	239,193,000	0	239,193,000	734
FEB.	219,106,000	0	219,106,000	672
MARCH	232,910,000	0	232,910,000	715
APRIL	222,380,000	1,742,092	224,122,092	688
MAY	261,258,000	9,385,156	270,643,156	831
JUNE	320,526,000	5,666,100	326,192,100	1,001
JULY	467,896,300	14,348,136	482,244,436	1,480
AUGUST	463,990,800	17,471,784	481,462,584	1,478
SEPT.	403,554,700	19,204,900	422,759,600	1,297
OCT	0	0	0	0
NOV	0	0	0	0
DEC.	0	0	0	0
<b>TOTAL</b>	<b>2,830,814,800</b>	<b>67,818,168</b>	<b>2,898,632,968</b>	<b>8,896</b>

## Note:

Treated water sources include: Girls Scouts, Meadowbrook and Jackson Springs Galleries, Treatment Plant, Well #1, #4, #5, #6, #8, #9, #10, #11, #12, .  
 Untreated water sources included: Meadowbrook Golf Course, Arrowhead Country Club and Executive Golf Course.