

Input data

Vitruvian Park Well Flow Log										Daily Lake Evaporation, ac-ft						
Date	Reading, Gallons	Daily Pump Total, gal	Pump Run Time, hr	Daily Pump Tot (check), gal	Days	gal/day	pump rate gal/min	Grapevine Pan Evap, inches	Pan Coefficient	0.63	2.43	0.08	←acres	Total Evap, ac-ft	Total Daily Evap, gal	Pumped-Evap, gal (+ =excess, - =deficit)
										Res 1	Res 2	Enhanced	Forced			
7/24/2015	18,000	18,000	10	#REF!	####	#REF!	#REF!	0.5	0.70	0.018375	0.070875	0.002333	0.000595	0.0921787	30,037	(12,037)
7/25/2015	36,000	18,000	10	18,000	1	18,000	30	0.38	0.70	0.013965	0.053865	0.001773	0.000595	0.0701987	22,874	(4,874)
7/26/2015	55,381	19,381	10	19,381	1	19,381	32	0.37	0.70	0.0135975	0.052448	0.001727	0.000595	0.0683670	22,277	(2,896)
7/27/2015	86,358	30,977	18	30,977	1	30,977	29	0.13	0.70	0.0047775	0.018428	0.000607	0.000595	0.0244070	7,953	23,024
7/28/2015	119,370	33,012	18	33,012	1	33,012	31	0.74	0.70	0.027195	0.104895	0.003453	0.000595	0.1361387	44,361	(11,349)
7/29/2015	152,375	33,005	18	33,005	1	33,005	31	0.36	0.70	0.01323	0.05103	0.00168	0.000595	0.0665353	21,681	11,324
7/30/2015	188,188	35,813	18	35,813	1	35,813	33	0.23	0.70	0.0084525	0.032603	0.001073	0.000595	0.0427237	13,922	21,891
7/31/2015	224,001	35,813	18	35,813	1	35,813	33	0.49	0.70	0.0180075	0.069458	0.002287	0.000595	0.0903470	29,440	6,373
8/1/2015	259,815	35,814	18	35,814	1	35,814	33	0.37	0.71	0.0137918	0.053197	0.001751	0.000544	0.0692843	22,576	13,238
8/2/2015	290,371	30,556	18	30,556	1	30,556	28	0.37	0.71	0.0137918	0.053197	0.001751	0.000544	0.0692843	22,576	7,980
8/3/2015	323,377	33,006	18	33,006	1	33,006	31	0.57	0.71	0.0212468	0.081952	0.002698	0.000544	0.1064410	34,684	(1,678)
8/4/2015	356,370	32,993	18	32,993	1	32,993	31	0.33	0.71	0.0123008	0.047446	0.001562	0.000544	0.0618530	20,155	12,838
8/5/2015	389,376	33,006	18	33,006	1	33,006	31	0.49	0.71	0.0182648	0.07045	0.002319	0.000544	0.0915783	29,841	3,165
8/6/2015	422,376	33,000	18	33,000	1	33,000	31	0.51	0.71	0.0190103	0.073325	0.002414	0.000544	0.0952940	31,052	1,948
8/7/2015	457,223	34,847	20	34,847	1	34,847	29	0.58	0.71	0.0216195	0.08339	0.002745	0.000544	0.1082988	35,289	(442)
8/8/2015	494,073	36,850	20	36,850	1	36,850	31	0.44	0.71	0.016401	0.063261	0.002083	0.000544	0.0822892	26,814	10,036
8/9/2015	530,051	35,978	20	35,978	1	35,978	30	0.54	0.71	0.0201285	0.077639	0.002556	0.000544	0.1008675	32,868	3,110
8/10/2015	567,909	37,858	20	37,858	1	37,858	32	0.21	0.71	0.0078278	0.030193	0.000994	0.000544	0.0395590	12,890	24,968
8/11/2015	602,053	34,144	20	34,144	1	34,144	28	0.35	0.71	0.0130463	0.050321	0.001657	0.000544	0.0655687	21,366	12,778
8/12/2015	638,049	35,996	20	35,996	1	35,996	30	0.4	0.71	0.01491	0.05751	0.001893	0.000544	0.0748578	24,393	11,603
8/13/2015	n/a	36,001	20		1	36,001	30	0.39	0.71	0.0145373	0.056072	0.001846	0.000544	0.0730000	23,787	12,213
8/14/2015	710,050	36,001	20		1	36,001	30	0.44	0.71	0.016401	0.063261	0.002083	0.000544	0.0822892	26,814	9,186
8/15/2015	746,026	35,976	20	35,976	1	35,976	30	0.43	0.71	0.0160283	0.061823	0.002035	0.000544	0.0804313	26,209	9,767
8/16/2015	782,042	36,016	20	36,016	1	36,016	30	0.37	0.71	0.0137918	0.053197	0.001751	0.000544	0.0692843	22,576	13,440