Walnut Creek Stream Flow Measurements

US 5 Bridge Walnut Creek 10/16/06					**FLOW**	**IN CFS :**	**29.0617**
					"	**" GPM :**	**13043.75**
					"	**" MGD :**	**18.78**
Width(W)	Depth(D)	Velocity(V)		Wi	Di	Vi	Qi
0	0.4	0.2		*	*	*	*
2.624672	2.4	0.45		2.62	1.40	0.33	1.1942
5.249344	2.6	0.6		2.62	2.50	0.53	3.4449
7.874016	2.6	0.55		2.62	2.60	0.58	3.9239
10.498688	2.7	0.5		2.62	2.65	0.53	3.6516
13.12336	2.8	0.5		2.62	2.75	0.50	3.6089
15.748032	2.8	0.4		2.62	2.80	0.45	3.3071
18.372704	2.7	0.5		2.62	2.75	0.45	3.2480
20.997376	2.5	0.45		2.62	2.60	0.48	3.2415
23.622048	1.8	0.4		2.62	2.15	0.43	2.3983
26.24672	0.7	0.25		2.62	1.25	0.33	1.0663
28.871392	0.2	0.2		2.62	0.45	0.23	0.2657

US 5 Bridge
Walnut Creek
10/30/06

					FLOW	**IN CFS :**	**73.9878**
					"	**" GPM :**	**33207.92**
					"	**" MGD :**	**47.82**
Width(W)	Depth(D)	Velocity(V)		Wi	Di	Vi	Qi
0	0.6	0.8		*	*	*	*
1.924759467	0.6	0.95		1.92	0.60	0.88	1.0105
3.849518933	2.7	1		1.92	1.65	0.98	3.0965
5.7742784	3.1	0.95		1.92	2.90	0.98	5.4423
7.699037867	2.9	1.4		1.92	3.00	1.18	6.7848
9.623797333	3	1.1		1.92	2.95	1.25	7.0976
11.5485568	3.1	1.25		1.92	3.05	1.18	6.8979
13.47331627	3.2	1.1		1.92	3.15	1.18	7.1240
15.39807573	3.4	1.2		1.92	3.30	1.15	7.3045
17.3228352	3	1.1		1.92	3.20	1.15	7.0831
19.24759467	2.8	1.2		1.92	2.90	1.15	6.4191
21.17235413	2.7	1.3		1.92	2.75	1.25	6.6164
23.0971136	2.4	1.1		1.92	2.55	1.20	5.8898
25.02187307	1.3	0.75		1.92	1.85	0.93	3.2937
26.94663253	0.6	0.75		1.92	0.95	0.75	1.3714
28.871392	0.6	0.5		1.92	0.60	0.63	0.7218

US 5 Bridge
Walnut Creek
10/30/06

					FLOW	**IN CFS :**	**71.1093**
					"	**" GPM :**	**31916.00**
					"	**" MGD :**	**45.96**
Width(W)	Depth(D)	Velocity(V)		Wi	Di	Vi	Qi
0	0.6	0.47		*	*	*	*
1.804462	2.9	0.95		1.80	1.75	0.71	2.2420
3.608924	3.2	0.8		1.80	3.05	0.88	4.8157
5.413386	2.9	1.1		1.80	3.05	0.95	5.2284
7.217848	3	1.1		1.80	2.95	1.10	5.8555
9.02231	3	1		1.80	3.00	1.05	5.6841
10.826772	3.1	1		1.80	3.05	1.00	5.5036
12.631234	3.2	1		1.80	3.15	1.00	5.6841
14.435696	3.4	0.9		1.80	3.30	0.95	5.6570
16.240158	3.4	1.05		1.80	3.40	0.98	5.9818
18.04462	2.9	1		1.80	3.15	1.03	5.8262
19.849082	2.8	1.1		1.80	2.85	1.05	5.3999
21.653544	2.6	1.1		1.80	2.70	1.10	5.3593
23.458006	1.9	1		1.80	2.25	1.05	4.2630
25.262468	1.8	0.85		1.80	1.85	0.93	3.0879
27.06693	0.9	0.5		1.80	1.35	0.68	1.6443
28.871392	0.6	0.4		1.80	0.75	0.45	0.6090

US 5 Bridge
Walnut Creek
11/1/06

					FLOW	**IN CFS :**	**71.1093**
					"	**" GPM :**	**31916.00**
					"	**" MGD :**	**45.96**
Width(W)	Depth(D)	Velocity(V)		Wi	Di	Vi	Qi
0	0.6	0.47		*	*	*	*
1.804462	2.9	0.95		1.80	1.75	0.71	2.2420
3.608924	3.2	0.8		1.80	3.05	0.88	4.8157
5.413386	2.9	1.1		1.80	3.05	0.95	5.2284
7.217848	3	1.1		1.80	2.95	1.10	5.8555
9.02231	3	1		1.80	3.00	1.05	5.6841
10.826772	3.1	1		1.80	3.05	1.00	5.5036
12.631234	3.2	1		1.80	3.15	1.00	5.6841
14.435696	3.4	0.9		1.80	3.30	0.95	5.6570
16.240158	3.4	1.05		1.80	3.40	0.98	5.9818
18.04462	2.9	1		1.80	3.15	1.03	5.8262
19.849082	2.8	1.1		1.80	2.85	1.05	5.3999
21.653544	2.6	1.1		1.80	2.70	1.10	5.3593
23.458006	1.9	1		1.80	2.25	1.05	4.2630
25.262468	1.8	0.85		1.80	1.85	0.93	3.0879
27.06693	0.9	0.5		1.80	1.35	0.68	1.6443
28.871392	0.6	0.4		1.80	0.75	0.45	0.6090

US 5 Bridge
Walnut Creek
11/3/06

					FLOW	**IN CFS :**	**85.0432**
					"	**" GPM :**	**38169.95**
					"	**" MGD :**	**54.96**
Width(W)	Depth(D)	Velocity(V)		Wi	Di	Vi	Qi
0	0.6	0.9		*	*	*	*
1.698317176	0.6	0.9		1.70	0.60	0.90	0.9171
3.396634353	2.9	1		1.70	1.75	0.95	2.8235
5.094951529	3.2	1.3		1.70	3.05	1.15	5.9568
6.793268706	3.3	1		1.70	3.25	1.15	6.3475
8.491585882	3.3	1.1		1.70	3.30	1.05	5.8847
10.18990306	3.7	1.3		1.70	3.50	1.20	7.1329
11.88822024	3.7	1.3		1.70	3.70	1.30	8.1689
13.58653741	3.7	1.2		1.70	3.70	1.25	7.8547
15.28485459	3.8	1		1.70	3.75	1.10	7.0056
16.98317176	4.1	1.1		1.70	3.95	1.05	7.0438
18.68148894	3.1	1		1.70	3.60	1.05	6.4196
20.37980612	2.9	1.2		1.70	3.00	1.10	5.6044
22.07812329	2.8	1.1		1.70	2.85	1.15	5.5662
23.77644047	2.8	1.3		1.70	2.80	1.20	5.7063
25.47475765	2	1.1		1.70	2.40	1.20	4.8912
27.17307482	1.7	1.1		1.70	1.85	1.10	3.4561
28.871392	0.7	1.7		1.70	1.20	1.40	2.8532

US 5 Bridge
Walnut Creek
11/4/06

					FLOW	**IN CFS :**	**45.5049**
					"	**" GPM :**	**20423.97**
					"	**" MGD :**	**29.41**
Width(W)	Depth(D)	Velocity(V)		Wi	Di	Vi	Qi
0	0.5	0.8		*	*	*	*
1.924759467	0.5	0.4		1.92	0.50	0.60	0.5774
3.849518933	2.2	0.37		1.92	1.35	0.39	1.0004
5.7742784	2.9	0.67		1.92	2.55	0.52	2.5522
7.699037867	3.1	0.57		1.92	3.00	0.62	3.5801
9.623797333	2.9	0.55		1.92	3.00	0.56	3.2336
11.5485568	3	0.84		1.92	2.95	0.70	3.9462
13.47331627	3	1.03		1.92	3.00	0.94	5.3990
15.39807573	3.25	1.04		1.92	3.13	1.04	6.2254
17.3228352	3.3	1.08		1.92	3.28	1.06	6.6818
19.24759467	2.7	0.95		1.92	3.00	1.02	5.8609
21.17235413	2.3	1		1.92	2.50	0.98	4.6916
23.0971136	1.9	0.87		1.92	2.10	0.94	3.7793
25.02187307	1.65	0.4		1.92	1.78	0.64	2.1694
26.94663253	0.6	0.25		1.92	1.13	0.33	0.7037
28.871392	0.4	0.25		1.92	0.50	0.25	0.2406
30.79615147	1.7	1.1		1.92	1.05	0.68	1.3642
32.72091093	0.7	1.7		1.92	1.20	1.40	3.2336

US 5 Bridge
Walnut Creek
11/28/06

					FLOW	**IN CFS :**	**28.1445**
					"	**" GPM :**	**12632.10**
					"	**" MGD :**	**18.19**
Width(W)	Depth(D)	Velocity(V)		Wi	Di	Vi	Qi
0	0.3	0.12		*	*	*	*
1.698317176	0.3	0.16		1.70	0.30	0.14	0.0713
3.396634353	2.7	0.35		1.70	1.50	0.26	0.6496
5.094951529	2.8	0.5		1.70	2.75	0.43	1.9849
6.793268706	2.6	0.45		1.70	2.70	0.48	2.1781
8.491585882	2.7	0.45		1.70	2.65	0.45	2.0252
10.18990306	2.8	0.45		1.70	2.75	0.45	2.1017
11.88822024	2.8	0.55		1.70	2.80	0.50	2.3776
13.58653741	2.8	0.55		1.70	2.80	0.55	2.6154
15.28485459	2.8	0.61		1.70	2.80	0.58	2.7581
16.98317176	3	0.4		1.70	2.90	0.51	2.4872
18.68148894	2.9	0.44		1.70	2.95	0.42	2.1042
20.37980612	2.5	0.6		1.70	2.70	0.52	2.3844
22.07812329	2.1	0.5		1.70	2.30	0.55	2.1484
23.77644047	1.7	0.5		1.70	1.90	0.50	1.6134
25.47475765	0.8	0.07		1.70	1.25	0.29	0.6050
27.17307482	0.3	0.01		1.70	0.55	0.04	0.0374
28.871392	0.3	0		1.70	0.30	0.01	0.0025