

SAMPLE DATA

	Gamble	Heuver	Barber 1	Barber
2				
Measurement	Avg.	Avg.	Avg.	Avg.
Date	gal/min.	gal/min	gal/min.	gal/min.
5-Apr-05	0.60	0.43	2.38	1.15
13-Apr-05	0.67	0.44		
14-Apr-05	0.66	0.44	2.30	1.16
17-Apr-05	0.63	0.43	2.27	1.14

Flow Rates for Four Phantom Lake Springs

Averages - Gal/Min
(22 Months)

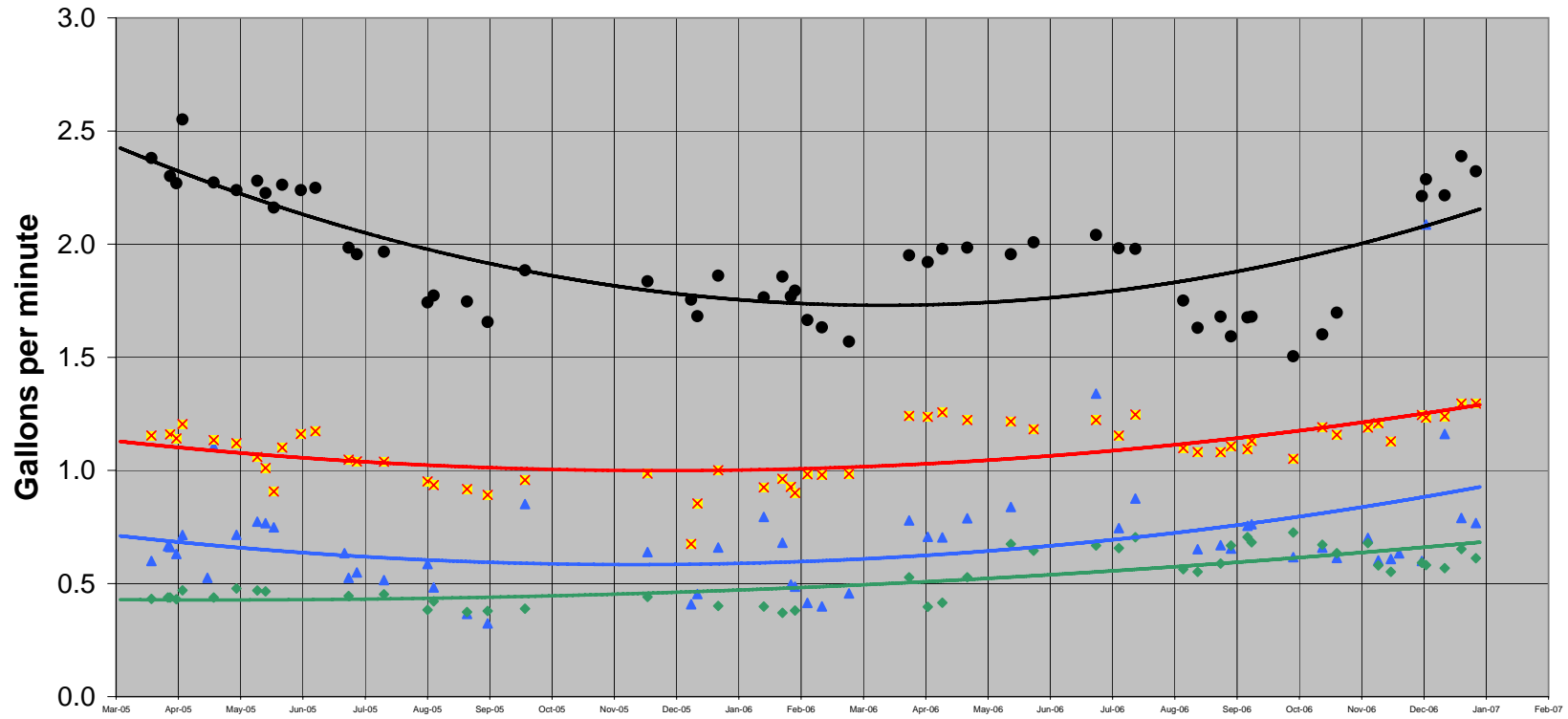
Gamble - 0.69

Heuver - 0.53

Barber 1 - 1.96

Barber 2 - 1.09

- ▲ Gamble
- ◆ Heuver
- Barber 1
- ✕ Barber 2



**This file analyzes the data provided by Pete Kumlien on measured flow rates
at Upper Phantom Lake during 2005, 2006, and 2007**

Measurement Date	Original Average Data					15/(sec/qt) Data				
	Spring #1 Gamble	Spring #2 Heuver	Spring #3 Barber 1	Spring #4 Barber 2	Spring #5 Healey	Spring #1 Gamble	Spring #2 Heuver	Spring #3 Barber 1	Spring #4 Barber 2	Spring #5 Healey
	Avg. sec/qt	Avg. sec/qt	Avg. sec/qt	Avg. sec/qt	Avg. sec/qt	gal/min	gal/min	gal/min	gal/min	gal/min
5-Apr-05	25.00	34.70	6.30	13.00		0.60	0.43	2.38	1.15	
13-Apr-05	22.55	34.26				0.67	0.44			
14-Apr-05	22.68	34.26	6.52	12.94		0.66	0.44	2.30	1.16	
17-Apr-05	23.77	34.81	6.61	13.14		0.63	0.43	2.27	1.14	
20-Apr-05	20.99	31.94	5.88	12.45		0.71	0.47	2.55	1.20	
2-May-05	28.54					0.53				
5-May-05	13.57	34.25	6.60	13.23		1.11	0.44	2.27	1.13	
16-May-05	20.96	31.38	6.70	13.39		0.72	0.48	2.24	1.12	
26-May-05	19.40	31.95	6.58	14.16	81.34	0.77	0.47	2.28	1.06	0.18
30-May-05	19.57	32.26	6.74	14.84	86.10	0.77	0.46	2.23	1.01	0.17
3-Jun-05	20.04		6.94	16.54		0.75		2.16	0.91	
7-Jun-05			6.63	13.63				2.26	1.10	
16-Jun-05			6.70	12.92				2.24	1.16	
23-Jun-05			6.67	12.79				2.25	1.17	
7-Jul-05	23.66					0.63				
9-Jul-05	28.57	33.72	7.56	14.32		0.53	0.44	1.98	1.05	
13-Jul-05	27.33		7.67	14.42		0.55		1.96	1.04	
26-Jul-05	29.13	33.17	7.63	14.44		0.51	0.45	1.97	1.04	
16-Aug-05	25.58	39.15	8.61	15.77		0.59	0.38	1.74	0.95	
19-Aug-05	31.06	35.62	8.46	16.04		0.48	0.42	1.77	0.94	
4-Sep-05	41.02	40.14	8.59	16.35		0.37	0.37	1.75	0.92	
14-Sep-05	46.33	39.65	9.06	16.82		0.32	0.38	1.66	0.89	
2-Oct-05	17.62	38.59	7.96	15.67	153.00	0.85	0.39	1.88	0.96	0.10
30-Nov-05	23.47	34.02	8.17	15.22		0.64	0.44	1.84	0.99	
21-Dec-05	36.73		8.55	22.24		0.41		1.75	0.67	
24-Dec-05	33.08		8.92	17.57		0.45		1.68	0.85	
3-Jan-06	22.76	37.40	8.06	14.99		0.66	0.40	1.86	1.00	
25-Jan-06	18.88	37.68	8.50	16.22		0.79	0.40	1.76	0.92	
3-Feb-06	22.06	40.50	8.08	15.58		0.68	0.37	1.86	0.96	
7-Feb-06	30.27		8.48	16.18		0.50		1.77	0.93	
9-Feb-06	30.87	39.40	8.36	16.65		0.49	0.38	1.79	0.90	
15-Feb-06	36.21		9.01	15.26		0.41		1.66	0.98	
22-Feb-06	37.60		9.19	15.30		0.40		1.63	0.98	
07-Mar-06	32.89		9.56	15.24		0.46		1.57	0.98	
05-Apr-06	19.25	28.45	7.69	12.09		0.78	0.53	1.95	1.24	
14-Apr-06	21.23	37.82	7.81	12.13		0.71	0.40	1.92	1.24	
21-Apr-06	21.32	36.16	7.58	11.94		0.70	0.41	1.98	1.26	
03-May-06	19.03	28.43	7.56	12.27		0.79	0.53	1.98	1.22	
24-May-06	17.89	22.22	7.67	12.33		0.84	0.68	1.96	1.22	
04-Jun-06		23.25	7.47	12.69			0.65	2.01	1.18	
04-Jul-06	11.20	22.45	7.35	12.27		1.34	0.67	2.04	1.22	
15-Jul-06	20.14	22.85	7.57	13.00		0.74	0.66	1.98	1.15	
23-Jul-06	17.13	21.30	7.58	12.03		0.88	0.70	1.98	1.25	
15-Aug-06		26.62	8.57	13.65			0.56	1.75	1.10	
22-Aug-06	23.02	27.18	9.20	13.87		0.65	0.55	1.63	1.08	
2-Sep-06	22.41	25.49	8.93	13.88		0.67	0.59	1.68	1.08	
7-Sep-06	22.93	22.46	9.42	13.55		0.65	0.67	1.59	1.11	
15-Sep-06	19.87	21.27	8.95	13.71		0.75	0.71	1.68	1.09	
17-Sep-06	19.69	21.99	8.93	13.27		0.76	0.68	1.68	1.13	
7-Oct-06	24.33	20.67	9.97	14.27		0.62	0.73	1.50	1.05	
21-Oct-06	22.78	22.34	9.37	12.60		0.66	0.67	1.60	1.19	
28-Oct-06	24.46	23.65	8.84	12.96		0.61	0.63	1.70	1.16	
12-Nov-06	21.38	22.10		12.61		0.70	0.68		1.19	
17-Nov-06	24.91	25.86		12.41		0.60	0.58		1.21	
23-Nov-06	24.66	27.20	7.74	13.29		0.61	0.55		1.13	
27-Nov-06	23.68					0.63				
8-Dec-06	25.01	25.35	6.78	12.05		0.60	0.59	2.21	1.24	
10-Dec-06	7.19	25.80	6.56	12.16		2.09	0.58	2.29	1.23	
19-Dec-06	12.92	26.42	6.77	12.11		1.16	0.57	2.22	1.24	
27-Dec-06	18.99	23.00	6.28	11.58		0.79	0.65	2.39	1.30	
3-Jan-07	19.54	24.52	6.46	11.58		0.77	0.61	2.32	1.30	
Averages						0.69	0.53	1.95	1.09	