

Table S1: Predicted water head for observation points for the the years 1995 through 2000

Year 1995					
Observation Well	Observed Head (m)	MODFLOW (m)		MODFLOW + Kriging (m)	
		Simulated Head	Residuals	Simulated Head	Residuals
1	787.3	804.9	-17.6	786.0	1.3
2	751.9	785.6	-33.7	753.8	-1.9
3	750.6	784.5	-33.9	751.6	-1.0
4	752.5	776.5	-24.0	751.7	0.8
5	741.5	776.7	-35.3	748.6	-7.1
6	736.1	768.2	-32.2	742.3	-6.2
7	718.1	733.1	-15.0	709.2	8.9
8	754.3	828.9	-74.7	725.0	29.3
9	840.3	972.1	-131.8	839.6	0.8
10	893.4	954.1	-60.7	876.1	17.3
11	900.0	934.5	-34.5	880.2	19.9
12	650.2	700.2	-50.0	645.1	5.1
13	586.7	608.5	-21.8	588.0	-1.3
		Mean =	-43.5		5.1
		St Error=	8.7		3.0

Year 1996					
Observation Well	Observed Head (m)	MODFLOW (m)		MODFLOW + Kriging (m)	
		Simulated Head	Residuals	Simulated Head	Residuals
1	641.6	653.5	-11.9	622.4	19.2
2	642.3	682.4	-40.1	635.7	6.6
3	718.2	756.9	-38.7	714.8	3.4
4	1056.0	995.1	61.0	1035.4	20.7
5	878.3	993.5	-115.3	850.4	27.9
6	842.8	980.9	-138.1	849.7	-6.9
7	609.3	680.0	-70.7	579.5	29.8
8	586.8	608.4	-21.6	576.1	10.6
9	677.6	736.3	-58.6	690.3	-12.6
10	618.9	663.8	-44.8	618.9	0.0
11	652.7	602.4	50.3	600.6	52.1
12	599.8	597.0	2.7	611.0	-11.2
13	612.6	628.4	-15.7	612.2	0.5
14	629.6	628.0	1.6	650.1	-20.5
		Mean =	-31.4		8.5
		St Error=	14.7		5.3

Continued

Year 1997					
Observation Well	Observed Head (m)	MODFLOW (m)		MODFLOW + Kriging (m)	
		Simulated Head	Residuals	Simulated Head	Residuals
1	631.0	649.4	-18.4	642.1	-11.1
2	593.3	595.1	-1.8	611.8	-18.5
3	615.8	656.7	-40.9	622.7	-6.8
4	776.3	804.5	-28.1	779.5	-3.1
5	772.9	801.7	-28.8	772.6	0.3
6	771.5	801.7	-30.2	773.4	-1.9
7	926.5	933.4	-6.9	927.2	-0.7
8	879.3	912.2	-32.9	856.0	23.3
9	932.0	938.7	-6.7	906.2	25.9
10	906.8	927.2	-20.4	895.1	11.7
11	668.1	724.7	-56.6	668.9	-0.8
12	614.2	696.6	-82.3	628.3	-14.1
13	520.2	529.0	-8.8	497.9	22.3
14	660.6	697.1	-36.6	652.2	8.3
15	659.1	652.4	6.7	659.1	0.0
16	336.0	319.8	16.2	315.4	20.6
17	346.8	389.0	-42.2	308.0	38.7
		Mean =	-24.6		5.5
		St Error=	5.9		3.9

Year 1998					
Observation Well	Observed Head (m)	MODFLOW (m)		MODFLOW + Kriging (m)	
		Simulated Head	Residuals	Simulated Head	Residuals
1	762.1	779.1	-17.0	761.3	0.8
2	765.5	796.9	-31.4	772.5	-7.0
3	770.6	792.6	-22.0	769.2	1.4
4	769.1	800.3	-31.2	775.5	-6.4
5	810.2	944.7	-134.5	897.5	-87.3
6	846.5	911.6	-65.1	835.3	11.2
7	890.9	919.4	-28.4	874.3	16.6
8	656.5	719.7	-63.2	656.2	0.3
9	645.6	687.1	-41.5	634.4	11.2
10	646.7	701.6	-54.9	650.8	-4.1
11	642.9	694.8	-51.9	648.4	-5.5
12	609.1	667.5	-58.4	607.5	1.6
13	622.9	623.5	-0.6	613.3	9.5
14	666.2	604.2	62.0	593.4	72.9
15	317.7	351.4	-33.7	329.8	-12.2
		Mean =	-38.1		0.2
		St Error=	10.7		8.1

Continued

Year 1999					
Observation Well	Observed Head (m)	MODFLOW (m)		MODFLOW + Kriging (m)	
		Simulated Head	Residuals	Simulated Head	Residuals
1	781.5	791.8	-10.3	765.5	16.0
2	774.2	798.2	-24.0	775.1	-0.9
3	752.2	771.5	-19.3	752.0	0.1
4	757.5	786.9	-29.3	757.3	0.3
5	739.1	764.5	-25.4	741.7	-2.6
6	926.6	933.1	-6.5	965.1	-38.6
7	1059.5	994.0	65.5	1023.7	35.8
8	698.8	737.3	-38.4	698.2	0.7
9	668.0	722.8	-54.8	670.6	-2.7
10	641.2	706.6	-65.4	635.6	5.6
11	650.1	699.5	-49.4	659.5	-9.4
12	619.4	653.0	-33.6	598.6	20.8
13	644.9	701.6	-56.7	653.7	-8.9
14	653.0	690.0	-37.0	639.9	13.1
15	606.4	666.1	-59.6	596.7	9.7
16	596.2	664.3	-68.1	600.9	-4.7
17	612.2	581.2	31.0	604.6	7.6
		Mean =	-28.3		2.5
		St Error=	8.4		3.8

Year 2000					
Observation Well	Observed Head (m)	MODFLOW (m)		MODFLOW + Kriging (m)	
		Simulated Head	Residuals	Simulated Head	Residuals
1	769.0	786.9	-17.9	764.4	4.6
2	745.7	760.1	-14.4	741.8	3.8
3	748.3	868.8	-120.5	797.2	-48.9
4	1059.2	993.6	65.6	1034.6	24.7
5	662.2	713.2	-50.9	652.3	10.0
6	548.9	595.9	-47.0	552.5	-3.6
7	586.6	608.2	-21.6	574.7	12.0
8	648.8	695.0	-46.2	647.2	1.6
9	585.0	617.7	-32.6	570.1	14.9
10	616.1	663.8	-47.7	618.4	-2.3
11	613.4	619.5	-6.2	602.2	11.1
12	618.5	623.3	-4.8	629.4	-10.9
13	623.6	620.6	3.0	624.1	-0.5
14	588.9	568.3	20.5	594.0	-5.1
15	555.1	568.4	-13.3	593.0	-37.8
16	346.3	344.7	1.6	347.4	-1.2
		Mean =	-20.8		-1.7
		St Error=	10.0		4.6