



APPENDIX C – MONITORING WELL DATA AND PLOTS

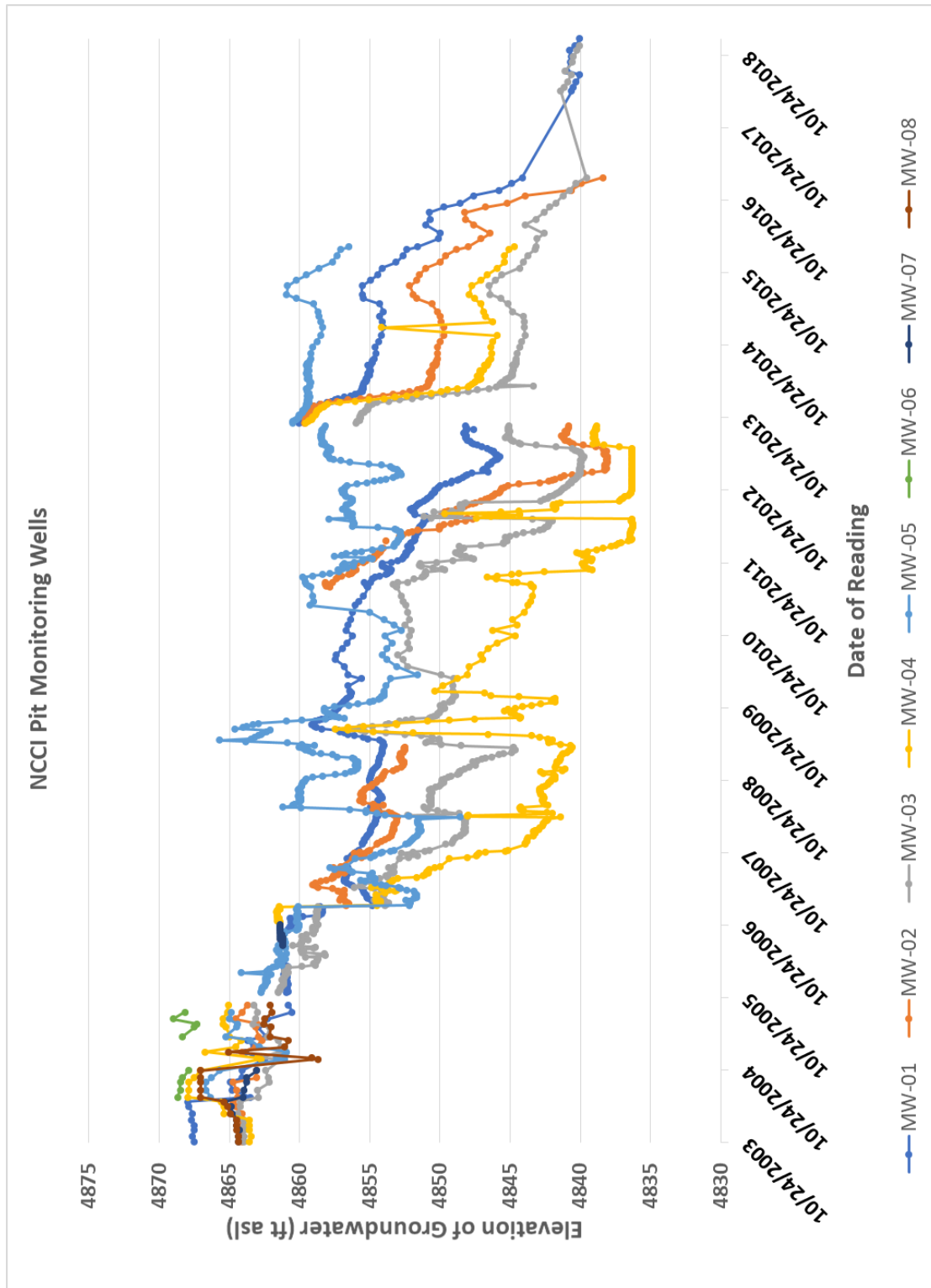
BACKGROUND

The following monitoring well data was provided by J&T Consulting, LLC. MWE organized the data by well owner in the following order:

- NCCI Pit Wells
- Thornton “Z” Wells
- LG-Everist Wells
- Rankin Wells

The data is first presented in a composite plot for all wells followed by the tabulated measured values. Source notes are included after the data tables.

Appendix C – NCCI Pit Monitoring Well Data and Plots



McGrane Water Engineering, LLC

1669 Apple Valley Rd. • Lyons, CO 80540 • Phone: (303) 917-1247

E-Mail: dennis@mcgranewater.com Web: <http://www.mcgranewaterengineering.com>

NCC Pit #1 Monitoring Wells (1 of 7)																
Well:	1		2		3		4		5		6		7		8	
Elevation^	4869.96	--	4868.08	--	4867.33	--	4869.57	--	4868.35	--	4871.68	--	4867.38	--	4867.05	--
Date	Depth to	GW	Depth to	GW	Depth to	GW	Depth to	GW	Depth to	GW	Depth to	GW	Depth to	GW	Depth to	GW
Sampled	GW	Elevation	GW	Elevation	GW	Elevation	GW	Elevation	GW	Elevation	GW	Elevation	GW	Elevation	GW	Elevation
10/24/2003	2.4	4867.5	4.0	4864.1	3.3	4864.0	6.0	4863.6					3.0	4864.4	2.7	4864.4
11/24/2003	2.3	4867.6	4.0	4864.1	3.3	4864.0	6.1	4863.5					3.0	4864.4	2.7	4864.4
12/26/2003	2.4	4867.5	3.9	4864.2	3.3	4864.0	6.0	4863.6					3.1	4864.3	2.6	4864.5
1/16/2004	2.4	4867.5	3.9	4864.2	3.3	4864.0	6.0	4863.6					2.9	4864.5	2.6	4864.5
2/14/2004	2.3	4867.7	4.0	4864.1	3.3	4864.0	6.0	4863.6					2.9	4864.5	2.6	4864.5
3/16/2004	2.3	4867.6	4.0	4864.1	2.9	4864.4	4.2	4865.4					2.6	4864.8	2.1	4865.0
4/20/2004	2.1	4867.9	3.5	4864.6	3.1	4864.2	4.2	4865.4					2.5	4864.9	1.9	4865.1
5/15/2004	2.0	4868.0	3.3	4864.7	3.1	4864.2	4.0	4865.6					2.1	4865.3	1.7	4865.4
6/7/2004	6.4	4863.5	3.7	4864.4	4.4	4862.9	1.6	4868.0	2.0	4866.4	3.0	4868.7	3.3	4864.0		4867.1
7/14/2004	5.2	4864.8	3.6	4864.5	4.3	4863.0	1.7	4867.9	1.7	4866.7	3.2	4868.5	3.4	4864.0		4867.1
8/20/2004	5.0	4865.0	3.3	4864.7	5.2	4862.2	1.7	4867.9	1.7	4866.7	3.2	4868.5	3.6	4863.8		4867.1
9/13/2004	5.8	4864.1	5.0	4863.1	5.1	4862.2	2.1	4867.5	2.1	4866.3	3.3	4868.3	3.6	4863.8		4867.1
10/19/2004	5.8	4864.1	5.0	4863.1	4.9	4862.4	2.5	4867.1	2.7	4865.7	3.8	4867.9	4.3	4863.0		4867.1
12/15/2004	7.5	4862.5			6.0	4861.3	6.8	4862.7	7.3	4861.1					8.3	4858.7
12/22/2004	7.0	4863.0			4.5	4862.8	6.6	4863.0	6.7	4861.7					7.9	4859.1
1/21/2005	6.1	4863.9	4.0	4864.1	5.9	4861.4	2.8	4866.7	7.4	4860.9					2.0	4865.1
2/15/2005	6.7	4863.3	4.9	4863.2	6.0	4861.3	5.0	4864.6	5.5	4862.9					6.0	4861.1
3/21/2005	6.3	4863.7	5.4	4862.7	5.8	4861.5	5.4	4864.2	4.8	4863.5					6.3	4860.8
4/8/2005	7.6	4862.4	5.2	4862.9	5.0	4862.3	4.6	4865.0	3.1	4865.3	3.3	4868.3			4.9	4862.1
5/27/2005	7.0	4863.0	4.9	4863.2	5.2	4862.2	4.3	4865.2	3.8	4864.5	4.2	4867.5			5.0	4862.1
6/11/2005	7.4	4862.5	5.1	4863.0	4.0	4863.3	4.1	4865.5	3.9	4864.4	4.3	4867.3			4.5	4862.6
7/6/2005	7.7	4862.3	3.5	4864.6	4.2	4863.2	4.1	4865.5	3.3	4865.0	2.7	4869.0			4.6	4862.5
8/9/2005	9.4	4860.5	4.0	4864.1	4.3	4863.0	4.4	4865.2	3.5	4864.9	3.5	4868.2			5.1	4862.0
9/15/2005	9.2	4860.8	4.3	4863.7	4.1	4863.2	4.5	4865.1							4.9	4862.1
10/5/2005																
11/15/2005	9.0	4861.0			5.8	4861.5			5.6	4862.8						
11/22/2005	9.2	4860.8			5.8	4861.5			5.6	4862.8						
11/29/2005	9.1	4860.9			5.9	4861.4			5.7	4862.7						
12/9/2005	9.0	4861.0			5.9	4861.4			5.7	4862.7						
12/15/2005	9.1	4860.9			6.0	4861.3			5.8	4862.6						
12/20/2005	9.0	4861.0			6.1	4861.2			5.8	4862.5						
12/28/2005	9.2	4860.8			6.2	4861.2			5.9	4862.4						
1/4/2006	8.9	4861.0			6.2	4861.2			5.9	4862.4						
1/10/2006	9.1	4860.9			6.2	4861.2			6.1	4862.3						
1/20/2006	9.0	4861.0			6.1	4861.2			5.9	4862.4						
1/28/2006	9.0	4861.0			6.2	4861.2			5.9	4862.4						
2/1/2006	9.1	4860.9			6.3	4861.1			6.1	4862.3						
2/6/2006	9.0	4861.0			6.3	4861.1			6.1	4862.3						
2/14/2006	8.8	4861.1			6.4	4860.9			6.3	4862.0						
2/23/2006	8.9	4861.0			6.5	4860.8			4.2	4864.2						
3/2/2006	9.1	4860.9			6.3	4861.1			6.0	4862.4						
3/8/2006	9.0	4861.0			6.3	4861.1			6.1	4862.3						
3/14/2006	8.9	4861.0			6.3	4861.0			6.2	4862.2						
3/23/2006	9.2	4860.8			6.5	4860.8			6.4	4861.9						
3/27/2006	9.1	4860.9			7.5	4859.8			6.7	4861.7						
4/4/2006	8.8	4861.2			8.4	4858.9			7.1	4861.3						
4/10/2006	8.8	4861.1			8.3	4859.0			6.8	4861.5						
4/19/2006					8.5	4858.8			6.8	4861.6						
4/24/2006					8.6	4858.7			7.2	4861.2						
5/4/2006					8.7	4858.7			7.3	4861.0						
5/10/2006					8.6	4858.7			7.2	4861.2						
5/15/2006					7.8	4859.6			7.0	4861.4						
5/22/2006					9.2	4858.2			7.3	4861.1						
5/30/2006					9.1	4858.2			7.4	4860.9						
6/6/2006					7.5	4859.8			6.8	4861.5						
6/15/2006					7.6	4859.7			6.9	4861.4						
6/21/2006					7.4	4859.9			6.7	4861.7						
6/27/2006					8.3	4859.0			7.3	4861.0						
7/5/2006					8.4	4858.9			7.3	4861.0						
7/12/2006					6.8	4860.5			6.8	4861.5			6.2	4861.2		
7/18/2006					7.3	4860.0			7.0	4861.4			6.2	4861.2		
7/26/2006					7.5	4859.8			7.3	4861.0			6.2	4861.2		
8/2/2006					7.5	4859.8			7.3	4861.1			6.2	4861.2		
8/8/2006					7.9	4859.4			7.3	4861.1			6.2	4861.2		
8/15/2006					7.8	4859.6			7.1	4861.3			6.0	4861.4		

McGrane Water Engineering, LLC

1669 Apple Valley Rd. • Lyons, CO 80540 • Phone: (303) 917-1247

E-Mail: dennis@mcgranewater.com Web: <http://www.mcgranewaterengineering.com>

NCC Pit #1 Monitoring Wells (2 of 7)																
Well:	1		2		3		4		5		6		7		8	
Date Sampled	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation
8/23/2006					7.8	4859.6			7.2	4861.2			6.2	4861.2		
8/28/2006					7.5	4859.8			7.2	4861.2			6.0	4861.4		
9/6/2006					7.8	4859.5			7.2	4861.2			6.1	4861.3		
9/11/2006					8.3	4859.0			7.3	4861.1			6.0	4861.4		
9/18/2006					8.3	4859.1			7.3	4861.1			6.0	4861.4		
9/28/2006	9.2	4860.8			8.4	4858.9			8.1	4860.3			6.0	4861.4		
10/4/2006	9.2	4860.8			8.3	4859.1			8.3	4860.1			6.0	4861.4		
10/12/2006	9.3	4860.6			8.3	4859.1			8.3	4860.1			6.0	4861.4		
10/18/2006	9.3	4860.7			8.5	4858.8			8.3	4860.0			6.0	4861.4		
10/25/2006	9.4	4860.5			8.7	4858.7			8.3	4860.0			6.0	4861.4		
11/6/2006	9.3	4860.6			8.5	4858.8	8.2	4861.4	8.1	4860.3						
11/14/2006	9.4	4860.5			8.5	4858.8	8.0	4861.6	8.2	4860.2						
11/24/2006	9.3	4860.6			8.6	4858.7	8.0	4861.6	8.3	4860.1						
11/28/2006	9.3	4860.7			8.4	4858.9	8.1	4861.5	8.2	4860.2						
12/5/2006	10.2	4859.8			8.5	4858.8	8.0	4861.6	8.2	4860.2						
12/11/2006	11.3	4858.6			8.6	4858.7	8.0	4861.6	8.1	4860.3						
12/19/2006	11.5	4858.5			8.6	4858.7	8.0	4861.6	8.2	4860.2						
12/28/2006	11.6	4858.4			8.5	4858.8	7.9	4861.7	8.3	4860.1						
1/5/2007	11.4	4858.5			8.6	4858.7	8.0	4861.6	8.2	4860.2						
1/10/2007	11.5	4858.5			8.7	4858.7	8.2	4861.4	8.1	4860.3						
1/16/2007	11.6	4858.4			8.6	4858.7	8.1	4861.5	8.2	4860.2						
1/23/2007	11.4	4858.5			8.7	4858.7	8.1	4861.5	8.3	4860.1						
1/31/2007	15.2	4854.8	11.4	4856.7	13.4	4853.9	15.1	4854.5	16.2	4852.2						
2/7/2007	15.3	4854.6	11.6	4856.5	13.6	4853.7	15.1	4854.5	16.2	4852.2						
2/12/2007	15.3	4854.6	11.5	4856.6	13.7	4853.7	15.3	4854.2	16.3	4852.1						
2/20/2007	15.3	4854.7	11.3	4856.7	13.4	4853.9	15.3	4854.2	16.2	4852.2						
2/27/2007	15.1	4854.9	10.9	4857.2	12.7	4854.7	15.0	4854.6	15.9	4852.4						
3/6/2007	14.8	4855.1	11.0	4857.1	13.0	4854.3	15.0	4854.6	16.5	4851.9						
3/13/2007	14.8	4855.2	11.2	4856.9	13.3	4854.1	15.1	4854.5	16.7	4851.7						
3/24/2007	14.7	4855.3	11.3	4856.8	13.3	4854.0	15.0	4854.6	16.7	4851.7						
4/4/2007	14.6	4855.4	11.1	4857.0	13.3	4854.1	15.7	4853.9	16.6	4851.8						
4/10/2007	14.5	4855.5	10.8	4857.2	13.2	4854.2	16.3	4853.2	16.5	4851.9						
4/17/2007	14.5	4855.5	11.3	4856.8	13.7	4853.7	16.5	4853.1	16.0	4852.4						
4/25/2007	14.4	4855.5	10.4	4857.7	12.7	4854.7	15.4	4854.2	15.5	4852.9						
5/1/2007	14.3	4855.6	9.4	4858.7	11.3	4856.1	14.7	4854.9	15.4	4852.9						
5/10/2007	13.8	4856.2	9.2	4858.9	11.8	4855.6	15.8	4853.8	14.5	4853.9						
5/16/2007	13.6	4856.4	9.0	4859.1	11.7	4855.7	15.8	4853.7	14.2	4854.2						
5/23/2007	13.3	4856.6	9.2	4858.9	11.9	4855.4	16.0	4853.6	13.8	4854.6						
5/31/2007	13.2	4856.8	9.6	4858.5	12.3	4855.1	16.2	4853.4	13.0	4855.4						
6/6/2007	13.2	4856.8	10.0	4858.1	12.7	4854.7	16.3	4853.3	12.7	4855.7						
6/15/2007	13.2	4856.8	10.3	4857.7	13.0	4854.3	16.6	4853.0	13.8	4854.6						
6/20/2007	13.3	4856.7	10.5	4857.6	13.6	4853.7	17.9	4851.7	13.5	4854.9						
6/28/2007	13.3	4856.7	10.5	4857.6	13.5	4853.8	18.3	4851.2	13.3	4855.0						
7/5/2007	13.3	4856.6	10.8	4857.2	13.7	4853.7	18.5	4851.1	13.4	4854.9						
7/10/2007	13.4	4856.5	11.3	4856.8	14.0	4853.3	18.8	4850.8	13.5	4854.9						
7/18/2007	13.5	4856.5	11.3	4856.7	14.1	4853.2	18.6	4851.0	12.1	4856.3						
7/25/2007	13.3	4856.6	11.2	4856.9	14.0	4853.3	18.8	4850.8	11.9	4856.4						
8/1/2007	13.3	4856.6	10.8	4857.2	13.8	4853.5	18.8	4850.7	10.8	4857.5						
8/8/2007	13.4	4856.5	10.5	4857.6	13.7	4853.7	19.2	4850.4	10.5	4857.9						
8/14/2007	13.3	4856.7	11.0	4857.1	14.1	4853.2	19.6	4850.0	11.7	4856.7						
9/21/2007	13.3	4856.6	11.8	4856.2	14.4	4852.9	20.3	4849.3	12.3	4856.0						
9/28/2007	13.5	4856.5	12.5	4855.6	15.1	4852.2	21.5	4848.1	13.4	4854.9						
10/5/2007	13.7	4856.3	12.7	4855.4	15.8	4851.6	22.2	4847.4	13.7	4854.7						
10/10/2007	13.8	4856.2	12.5	4855.6	15.0	4852.3	22.3	4847.3	13.8	4854.6						
10/19/2007	14.0	4856.0	12.0	4856.1	14.6	4852.7	22.3	4847.2	14.1	4854.3						
10/27/2007	14.0	4856.0	12.3	4855.7	15.4	4851.9	22.8	4846.7	14.3	4854.1						
10/31/2007	14.1	4855.9	12.9	4855.2	16.3	4851.1	24.3	4845.3	14.8	4853.5						
11/5/2007	14.2	4855.8	13.1	4855.0	16.6	4850.7	24.4	4845.2	15.1	4853.3						
12/5/2007	14.4	4855.5	13.6	4854.5	17.8	4849.6	25.7	4843.9	15.9	4852.4						
12/11/2007	14.4	4855.5	13.7	4854.4	18.2	4849.2	25.7	4843.9	16.1	4852.3						
12/19/2007	14.6	4855.4	13.9	4854.2	18.3	4849.1	25.8	4843.8	16.3	4852.1						
12/27/2007	14.6	4855.4	14.2	4853.9	18.3	4849.0	25.8	4843.8	16.3	4852.0						
1/7/2008	14.7	4855.3	14.4	4853.7	18.4	4848.9	25.8	4843.7	16.5	4851.9						
1/14/2008	14.8	4855.2	14.6	4853.5	18.8	4848.6	26.3	4843.3	16.7	4851.7						
1/22/2008	14.8	4855.1	14.6	4853.5	18.8	4848.5	26.3	4843.3	16.8	4851.6						
1/28/2008	14.9	4855.0	14.7	4853.4	19.0	4848.3	26.3	4843.2	16.8	4851.5						

McGrane Water Engineering, LLC

1669 Apple Valley Rd. • Lyons, CO 80540 • Phone: (303) 917-1247

E-Mail: dennis@mcgranewater.com Web: <http://www.mcgranewaterengineering.com>

NCC Pit #1 Monitoring Wells (3 of 7)																
Well:	1		2		3		4		5		6		7		8	
Date Sampled	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation
2/5/2008	15.0	4855.0	14.7	4853.4	19.2	4848.2	26.3	4843.3	16.9	4851.4						
2/13/2008	15.0	4855.0	14.8	4853.3	19.1	4848.2	26.3	4843.2	17.0	4851.4						
2/18/2008	15.0	4855.0	14.8	4853.2	19.0	4848.3	26.6	4843.0	16.8	4851.5						
2/27/2008	15.1	4854.9	14.8	4853.3	19.2	4848.2	26.7	4842.9	16.9	4851.4						
3/4/2008	15.2	4854.8	14.8	4853.2	19.1	4848.2	26.8	4842.7	16.9	4851.4						
3/13/2008	15.3	4854.7	14.8	4853.2	19.1	4848.2	26.9	4842.7	16.8	4851.5						
3/19/2008	15.3	4854.6	14.9	4853.2	19.2	4848.2	26.9	4842.7	16.8	4851.6						
3/26/2008	15.3	4854.6	15.0	4853.1	19.1	4848.2	27.1	4842.5	16.8	4851.6						
4/2/2008	15.4	4854.5	15.0	4853.1	19.2	4848.2	27.2	4842.4	16.8	4851.6						
4/8/2008	15.4	4854.5	15.0	4853.1	19.1	4848.2	27.3	4842.3	16.8	4851.5						
4/18/2008	15.4	4854.5	15.1	4853.0	19.3	4848.1	28.2	4841.4	19.8	4848.6						
4/23/2008	15.5	4854.5	14.9	4853.2	15.2	4852.2	21.5	4848.1	16.1	4852.3						
4/29/2008	15.5	4854.5	14.8	4853.2	15.0	4852.3	21.6	4848.0	14.4	4853.9						
5/6/2008	15.5	4854.5	14.6	4853.5	18.7	4848.7	27.6	4842.0	13.8	4854.5						
5/15/2008	15.6	4854.4	14.4	4853.7	17.7	4849.7	27.2	4842.4	13.1	4855.3						
5/21/2008	15.6	4854.4	13.7	4854.4	17.2	4850.2	25.5	4844.1	13.1	4855.3						
5/28/2008	15.1	4854.9	13.3	4854.7	16.4	4850.9	25.3	4844.2	11.9	4856.4						
6/6/2008	15.0	4855.0	13.5	4854.6	16.3	4851.1	25.3	4844.3	8.4	4859.9						
6/9/2008	15.0	4855.0	13.4	4854.7	16.2	4851.2	25.3	4844.2	7.2	4861.2						
6/18/2008	15.5	4854.5	14.0	4854.1	16.7	4850.7	27.3	4842.3	7.8	4860.5						
6/25/2008	15.5	4854.5	13.3	4854.7	16.7	4850.7	27.1	4842.5	8.0	4860.4						
7/1/2008	15.5	4854.5	12.6	4855.5	16.7	4850.7	26.9	4842.7	8.3	4860.0						
7/11/2008	15.5	4854.5	12.3	4855.7	16.6	4850.7	26.8	4842.7	8.4	4859.9						
7/17/2008	15.6	4854.4	12.4	4855.7	16.7	4850.7	26.8	4842.7	8.3	4860.0						
7/23/2008	15.8	4854.1	12.6	4855.5	16.7	4850.7	27.0	4842.6	8.4	4859.9						
8/1/2008	15.8	4854.2	12.6	4855.5	16.6	4850.7	26.9	4842.7	8.3	4860.1						
8/13/2008	15.7	4854.3	12.4	4855.7	16.7	4850.7	26.8	4842.8	8.3	4860.0						
8/20/2008	15.6	4854.4	12.5	4855.6	16.8	4850.6	26.8	4842.8	8.4	4859.9						
8/26/2008	15.5	4854.5	12.6	4855.5	16.7	4850.7	26.7	4842.9	8.3	4860.0						
9/3/2008	15.4	4854.5	12.7	4855.4	16.6	4850.7	26.7	4842.9	8.3	4860.1						
9/9/2008	15.3	4854.7	12.8	4855.3	16.7	4850.7	26.7	4842.9	8.3	4860.0						
9/18/2008	15.2	4854.8	13.0	4855.1	17.0	4850.3	26.8	4842.7	8.4	4859.9						
9/24/2008	15.1	4854.9	13.2	4854.9	17.3	4850.1	27.1	4842.5	8.5	4859.9						
10/2/2008	15.0	4855.0	13.3	4854.8	17.4	4849.9	27.3	4842.3	8.5	4859.9						
10/10/2008	15.0	4855.0	13.5	4854.6	17.6	4849.7	27.3	4842.2	8.6	4859.8						
10/15/2008	14.9	4855.0	13.6	4854.5	17.5	4849.8	27.4	4842.2	8.7	4859.7						
10/23/2008	14.9	4855.0	13.7	4854.4	17.5	4849.8	27.5	4842.1	8.8	4859.6						
10/27/2008	14.9	4855.0	13.9	4854.2	17.7	4849.7	27.8	4841.8	8.8	4859.5						
11/5/2008	15.0	4855.0	13.9	4854.2	17.9	4849.4	27.8	4841.8	9.3	4859.1						
11/13/2008	15.0	4855.0	14.0	4854.1	18.1	4849.2	27.8	4841.8	10.0	4858.4						
11/20/2008	15.1	4854.9	14.0	4854.1	18.6	4848.7	27.7	4841.9	10.9	4857.4						
11/25/2008	15.1	4854.9	14.1	4854.0	18.7	4848.7	26.9	4842.7	11.6	4856.8						
12/3/2008	15.2	4854.8	14.2	4853.9	18.7	4848.7	26.8	4842.8	12.0	4856.4						
12/9/2008	15.2	4854.8	14.8	4853.3	18.8	4848.5	28.3	4841.3	12.3	4856.1						
12/18/2008	15.3	4854.7	15.0	4853.1	19.1	4848.2	28.5	4841.1	12.4	4855.9						
12/29/2008	15.4	4854.5	15.3	4852.7	19.4	4847.9	27.8	4841.8	12.5	4855.9						
1/7/2009	15.5	4854.5	15.4	4852.7	19.8	4847.5	27.8	4841.7	12.3	4856.0						
1/15/2009	15.6	4854.4	15.5	4852.6	19.8	4847.6	27.9	4841.7	12.5	4855.9						
1/23/2009	15.6	4854.4	15.5	4852.6	19.7	4847.7	27.9	4841.7	12.5	4855.9						
1/27/2009	15.6	4854.4	15.3	4852.7	20.0	4847.3	28.1	4841.5	12.3	4856.0						
2/4/2009	15.7	4854.3	15.3	4852.8	20.3	4847.0	28.2	4841.4	12.3	4856.1						
2/12/2009	15.7	4854.3	15.3	4852.7	20.6	4846.7	28.2	4841.4	12.1	4856.3						
2/16/2009	15.7	4854.3	15.2	4852.9	21.0	4846.3	28.2	4841.4	11.0	4857.4						
2/27/2009	15.8	4854.2	15.3	4852.8	21.5	4845.8	28.3	4841.3	10.7	4857.7						
3/4/2009	15.8	4854.2	15.3	4852.8	21.8	4845.5	28.3	4841.2	9.8	4858.5						
3/9/2009	15.8	4854.1	15.4	4852.7	22.4	4844.9	28.6	4841.0	9.3	4859.1						
3/19/2009	15.8	4854.1	15.5	4852.6	22.5	4844.8	28.8	4840.8	9.0	4859.4						

NCC Pit #1 Monitoring Wells (4 of 7)																
Well:	1		2		3		4		5		6		7		8	
Date Sampled	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation
3/24/2009	15.8	4854.1	15.6	4852.5	22.7	4844.7	28.8	4840.7	8.8	4859.6						
4/2/2009	15.8	4854.1	15.5	4852.6	22.6	4844.7	28.9	4840.7	8.6	4859.8						
4/6/2009	15.9	4854.0	15.6	4852.5	22.6	4844.7	29.0	4840.6	8.3	4860.0						
4/15/2009	16.0	4854.0			18.8	4848.5	28.8	4840.7	9.4	4858.9						
4/21/2009	15.9	4854.0			17.4	4849.9	28.2	4841.4	8.5	4859.9						
4/29/2009	15.9	4854.0			16.3	4851.0	27.3	4842.2	7.5	4860.9						
5/5/2009	15.8	4854.1			16.4	4850.9	27.5	4842.1	4.5	4863.9						
5/11/2009	15.7	4854.3			17.3	4850.1	27.6	4842.0	2.7	4865.7						
5/19/2009	14.8	4855.1			17.3	4850.1	27.3	4842.3	4.9	4863.4						
5/27/2009	14.5	4855.5			16.8	4850.6	26.7	4842.9	5.2	4863.2						
6/4/2009	13.8	4856.1			16.0	4851.3	26.1	4843.5	5.4	4862.9						
6/10/2009	13.4	4856.5			14.8	4852.5	23.0	4846.6	5.6	4862.8						
6/18/2009	13.2	4856.8			13.5	4853.8	17.7	4851.9	5.8	4862.6						
6/23/2009	12.8	4857.1			12.0	4855.3	14.8	4854.7	6.0	4862.4						
7/1/2009	12.7	4857.3			11.7	4855.7	13.0	4856.6	6.3	4862.1						
7/8/2009	11.5	4858.5			11.1	4856.2	12.1	4857.5	3.8	4864.6						
7/14/2009	11.2	4858.8			11.6	4855.7	13.0	4856.6	4.3	4864.0						
7/21/2009	11.0	4859.0			12.5	4854.8	14.1	4855.5	4.6	4863.8						
7/29/2009	10.8	4859.1			13.5	4853.8	16.5	4853.1	5.0	4863.4						
8/4/2009	10.9	4859.0			13.7	4853.7	16.4	4853.2	5.4	4862.9						
8/16/2009	11.1	4858.9			14.4	4852.9	18.7	4850.9	7.4	4860.9						
8/21/2009	11.3	4858.6			14.9	4852.4	20.3	4849.3	8.5	4859.9						
8/28/2009	11.5	4858.5			15.3	4852.0	22.0	4847.6	10.2	4858.2						
8/31/2009	11.8	4858.1			16.6	4850.7	25.3	4844.3	11.5	4856.9						
9/2/2009	11.9	4858.0			16.7	4850.7	25.3	4844.2	11.2	4857.2						
9/9/2009	12.1	4857.9			16.9	4850.4	25.2	4844.4	10.9	4857.4						
9/14/2009	12.2	4857.8			17.1	4850.2	25.0	4844.6	10.8	4857.6						
9/23/2009	12.2	4857.8			17.2	4850.2	24.8	4844.7	10.5	4857.9						
9/29/2009	12.3	4857.6			17.3	4850.1	24.6	4845.0	10.3	4858.0						
10/5/2009	12.5	4857.5			17.3	4850.0	24.2	4845.4	10.1	4858.3						
10/13/2009	12.6	4857.4			17.5	4849.8	24.4	4845.2	10.1	4858.3						
10/19/2009	12.7	4857.3			17.7	4849.7	24.9	4844.7	10.1	4858.3						
10/27/2009	12.8	4857.2			17.6	4849.7	25.4	4844.2	10.8	4857.5						
11/3/2009	12.8	4857.1			17.3	4850.0	26.1	4843.5	11.8	4856.5						
11/11/2009	12.9	4857.0			17.6	4849.7	26.8	4842.8	12.5	4855.9						
11/19/2009	13.1	4856.9			18.0	4849.3	27.8	4841.8	13.3	4855.0						
11/23/2009	13.2	4856.8			18.2	4849.2	27.5	4842.1	13.6	4854.8						
12/3/2009	13.3	4856.7			18.2	4849.2	27.7	4841.9	14.0	4854.4						
12/8/2009	13.3	4856.6			18.3	4849.1	27.8	4841.8	14.1	4854.3						
12/16/2009	13.5	4856.5			18.3	4849.0	25.2	4844.4	14.2	4854.2						
12/21/2009	13.6	4856.4			18.4	4848.9	23.2	4846.4	14.3	4854.0						
1/6/2010	13.7	4856.3			18.3	4849.0	22.8	4846.8	14.3	4854.0						
1/12/2010	13.5	4856.5			18.3	4849.1	19.2	4850.4	14.3	4854.0						
2/10/2010	13.4	4856.5			18.3	4849.1	19.8	4849.8	14.5	4853.9						
3/17/2010	14.3	4855.6			18.3	4849.0	20.8	4848.7	14.8	4853.5						
4/6/2010	13.4	4856.5			17.4	4849.9	21.5	4848.1	16.8	4851.6						
5/19/2010	13.2	4856.8			15.0	4852.3	21.7	4847.9	15.3	4853.1						
6/22/2010	12.5	4857.5			14.7	4852.7	22.6	4847.0	14.6	4853.8						
7/14/2010	12.6	4857.4			14.3	4853.0	22.5	4847.1	14.3	4854.1						
8/18/2010	13.0	4857.0			15.2	4852.2	23.0	4846.6	14.6	4853.8						
9/14/2010	13.3	4856.6			15.0	4852.3	23.7	4845.9	14.9	4853.4						
10/20/2010	13.8	4856.2			15.2	4852.2	24.9	4844.7	14.4	4853.9						
11/17/2010	13.3	4856.7			15.3	4852.1	23.3	4846.2	15.6	4852.8						
12/15/2010	13.4	4856.5			14.8	4852.5	25.1	4844.5	15.1	4853.3						
1/9/2011	13.6	4856.4			15.2	4852.2	24.8	4844.8	14.3	4854.0						
2/16/2011	13.8	4856.2			15.0	4852.3	25.6	4844.0	13.3	4855.0						
3/22/2011	13.9	4856.0			14.9	4852.4	25.8	4843.7	9.1	4859.3						
4/13/2011	14.2	4855.8			14.7	4852.7	26.0	4843.6	9.3	4859.0						
5/8/2011	14.5	4855.5			14.6	4852.7	26.2	4843.4	9.3	4859.1						
6/22/2011	14.8	4855.1	10.3	4857.8	14.3	4853.1	26.3	4843.3	9.2	4859.2						
6/27/2011	14.8	4855.2	10.0	4858.1	14.2	4853.2	26.1	4843.5	9.0	4859.4						
7/5/2011	14.7	4855.3	9.9	4858.2	14.0	4853.3	26.0	4843.6	8.8	4859.5						
7/14/2011	14.6	4855.4	9.9	4858.2	14.3	4853.0	25.1	4844.5	8.8	4859.6						
7/18/2011	15.0	4855.0	10.4	4857.7	15.0	4852.3	24.8	4844.8	8.8	4859.6						
8/3/2011	15.2	4854.8	10.7	4857.4	15.5	4851.8	23.6	4846.0	8.7	4859.7						
8/10/2011	15.3	4854.6	10.8	4857.2	16.1	4851.2	22.9	4846.7	8.6	4859.8						

McGrane Water Engineering, LLC

1669 Apple Valley Rd. • Lyons, CO 80540 • Phone: (303) 917-1247

E-Mail: dennis@mcgranewater.com Web: <http://www.mcgranewaterengineering.com>

NCC Pit #1 Monitoring Wells (5 of 7)																
Well:	1		2		3		4		5		6		7		8	
Date Sampled	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation
8/18/2011	15.7	4854.3	11.1	4857.0	16.2	4851.2	23.7	4845.9	9.3	4859.1						
8/24/2011	16.1	4853.9	11.6	4856.5	16.3	4851.0	24.7	4844.9	10.0	4858.4						
8/30/2011	16.3	4853.7	11.8	4856.3	16.3	4851.1	25.2	4844.4	10.5	4857.9						
9/7/2011	16.4	4853.5	11.9	4856.2	16.3	4851.0	27.0	4842.6	11.2	4857.2						
9/16/2011	16.5	4853.5	12.1	4856.0	17.7	4849.7	30.4	4839.2	11.1	4857.3						
9/20/2011	16.3	4853.6	12.0	4856.1	17.5	4849.8	30.2	4839.4	11.4	4856.9						
9/28/2011	16.1	4853.9	11.9	4856.2	16.8	4850.5	30.0	4839.6	11.8	4856.6						
10/7/2011	15.8	4854.1	11.8	4856.2	16.0	4851.3	29.8	4839.7	12.2	4856.2						
10/11/2011	15.8	4854.1	12.0	4856.1	15.8	4851.5	29.8	4839.7	11.4	4856.9						
10/20/2011	15.8	4854.1	12.2	4855.9	15.9	4851.4	29.7	4839.9	11.5	4856.9						
10/26/2011	16.5	4853.5	12.6	4855.5	17.1	4850.2	29.9	4839.7	12.3	4856.1						
11/4/2011	16.9	4853.0	12.8	4855.2	18.3	4849.1	30.3	4839.2	12.8	4855.5						
11/10/2011	17.3	4852.7	13.3	4854.7	19.8	4847.6	30.4	4839.2	13.5	4854.9						
11/17/2011	17.3	4852.6	13.4	4854.7	19.5	4847.8	30.2	4839.4	13.3	4855.0						
11/23/2011	17.4	4852.5	13.4	4854.7	19.2	4848.2	30.0	4839.6	10.8	4857.5						
12/1/2011	17.5	4852.5	13.6	4854.5	18.8	4848.5	29.8	4839.8	11.3	4857.0						
12/8/2011	17.6	4852.4	13.7	4854.4	18.6	4848.7	29.5	4840.1	11.7	4856.7						
12/14/2011	17.5	4852.5	13.8	4854.3	18.4	4848.9	29.3	4840.2	12.3	4856.0						
12/20/2011	17.7	4852.3	13.8	4854.2	18.7	4848.7	30.1	4839.5	12.8	4855.6						
12/29/2011	17.8	4852.2	13.9	4854.2	18.8	4848.5	30.8	4838.8	13.5	4854.9						
1/5/2012	17.9	4852.0	14.0	4854.1	19.0	4848.3	31.2	4838.4	14.2	4854.2						
1/13/2012	17.7	4852.3			18.7	4848.7	31.8	4837.8	15.1	4853.3						
1/17/2012	17.8	4852.2			20.3	4847.1	32.1	4837.5	15.1	4853.3						
1/27/2012	17.8	4852.1			21.8	4845.5	32.3	4837.3	15.2	4853.2						
1/31/2012	17.9	4852.0			21.8	4845.5	32.5	4837.1	15.3	4853.1						
2/9/2012	18.1	4851.9	14.3	4853.8	22.1	4845.2	33.0	4836.6	15.3	4853.0						
2/14/2012	18.2	4851.8			22.1	4845.2	33.2	4836.4	15.4	4852.9						
2/21/2012	18.2	4851.8			22.1	4845.2	33.3	4836.3	15.4	4852.9						
2/28/2012	18.2	4851.8			22.0	4845.3	33.1	4836.5	15.5	4852.9						
3/6/2012	18.3	4851.7	15.2	4852.9	22.3	4845.0	33.1	4836.5	15.6	4852.8						
3/13/2012	18.3	4851.7	15.4	4852.7	22.8	4844.6	33.1	4836.5	15.5	4852.9						
3/22/2012	18.3	4851.6	15.8	4852.2	23.3	4844.1	33.1	4836.5	15.5	4852.9						
3/29/2012	18.4	4851.5	16.1	4852.0	24.0	4843.3	33.2	4836.4	15.5	4852.9						
4/4/2012	18.5	4851.5	16.5	4851.6	24.4	4842.9	33.2	4836.4	15.3	4853.1						
4/9/2012	18.5	4851.5	18.0	4850.1	24.7	4842.7	33.3	4836.3	15.2	4853.2						
4/17/2012	18.5	4851.5	18.1	4850.0	24.8	4842.5	33.3	4836.2	13.9	4854.4						
4/23/2012	18.6	4851.4	18.0	4850.1	25.0	4842.3	33.3	4836.2	12.1	4856.3						
5/2/2012	18.7	4851.3	18.3	4849.7	25.1	4842.2	33.3	4836.2	12.2	4856.2						
5/9/2012	18.8	4851.2	18.8	4849.2	25.1	4842.2	33.3	4836.2	12.3	4856.1						
5/17/2012	18.8	4851.1	19.3	4848.8	25.2	4842.2	33.3	4836.3	12.2	4856.2						
5/21/2012	18.8	4851.1	19.9	4848.2	25.3	4842.0	33.2	4836.4	12.1	4856.3						
5/31/2012	19.0	4851.0	20.4	4847.7	23.9	4843.4	33.3	4836.3	10.4	4857.9						
6/6/2012	18.9	4851.0	20.0	4848.1	16.7	4850.7	22.2	4847.4	12.1	4856.3						
6/13/2012	18.9	4851.0	19.2	4848.9	16.2	4851.2	23.2	4846.4	11.8	4856.5						
6/21/2012	18.2	4851.8	18.8	4849.3	18.8	4848.6	25.3	4844.3	11.8	4856.6						
6/27/2012	18.2	4851.8	18.3	4849.8			19.9	4849.7	12.1	4856.3						
7/4/2012	18.1	4851.9	18.4	4849.7	16.9	4850.4	23.9	4845.7	11.8	4856.5						
7/10/2012	18.0	4852.0	18.7	4849.4	18.2	4849.2	25.2	4844.4	11.7	4856.7						
7/19/2012	17.8	4852.1	19.3	4848.8	18.8	4848.5	27.8	4841.8	11.4	4856.9						
7/24/2012	18.0	4852.0	19.6	4848.5	18.9	4848.4	27.8	4841.7	11.5	4856.9						
8/2/2012	18.3	4851.7	19.8	4848.2	18.8	4848.6	27.7	4841.9	11.7	4856.7						
8/10/2012	18.3	4851.6	20.1	4848.0	18.8	4848.6	27.7	4841.9	11.7	4856.7						
8/14/2012	18.4	4851.5	20.4	4847.7	19.0	4848.3	27.9	4841.7	11.8	4856.5						
8/22/2012	18.6	4851.4	20.6	4847.5	19.2	4848.2	28.2	4841.4	12.0	4856.4						
8/29/2012	18.8	4851.1	21.0	4847.1	24.5	4842.8	32.3	4837.2	12.1	4856.3						
9/6/2012	19.0	4851.0	21.3	4846.7	24.8	4842.6	32.5	4837.1	12.1	4856.3						
9/11/2012	19.1	4850.9	21.5	4846.6	25.0	4842.3	32.6	4837.0	12.0	4856.4						
9/20/2012	19.3	4850.7	21.8	4846.3	25.2	4842.2	32.8	4836.8	11.7	4856.7						
9/24/2012	19.3	4850.6	21.9	4846.2	25.4	4841.9	33.0	4836.6	11.6	4856.8						
10/4/2012	19.4	4850.5	22.0	4846.1	25.6	4841.7	33.1	4836.5	11.5	4856.9						
10/8/2012	19.5	4850.5	22.3	4845.8	25.8	4841.6	33.2	4836.4	11.4	4856.9						
10/16/2012	19.6	4850.4	22.3	4845.7	25.8	4841.5	33.2	4836.4	11.5	4856.9						
10/24/2012	19.6	4850.4	22.4	4845.7	26.0	4841.3	33.3	4836.3	11.3	4857.0						
11/1/2012	19.8	4850.2	22.5	4845.6	26.1	4841.2	33.3	4836.3	11.5	4856.9						
11/7/2012	19.8	4850.1	22.7	4845.4	26.3	4841.1	33.3	4836.3	11.6	4856.8						
11/14/2012	20.0	4850.0	22.9	4845.2	26.4	4840.9	33.3	4836.3	11.8	4856.6						
11/23/2012	20.3	4849.6	23.7	4844.4	26.5	4840.8	33.3	4836.3	12.4	4855.9						

McGrane Water Engineering, LLC

1669 Apple Valley Rd. • Lyons, CO 80540 • Phone: (303) 917-1247

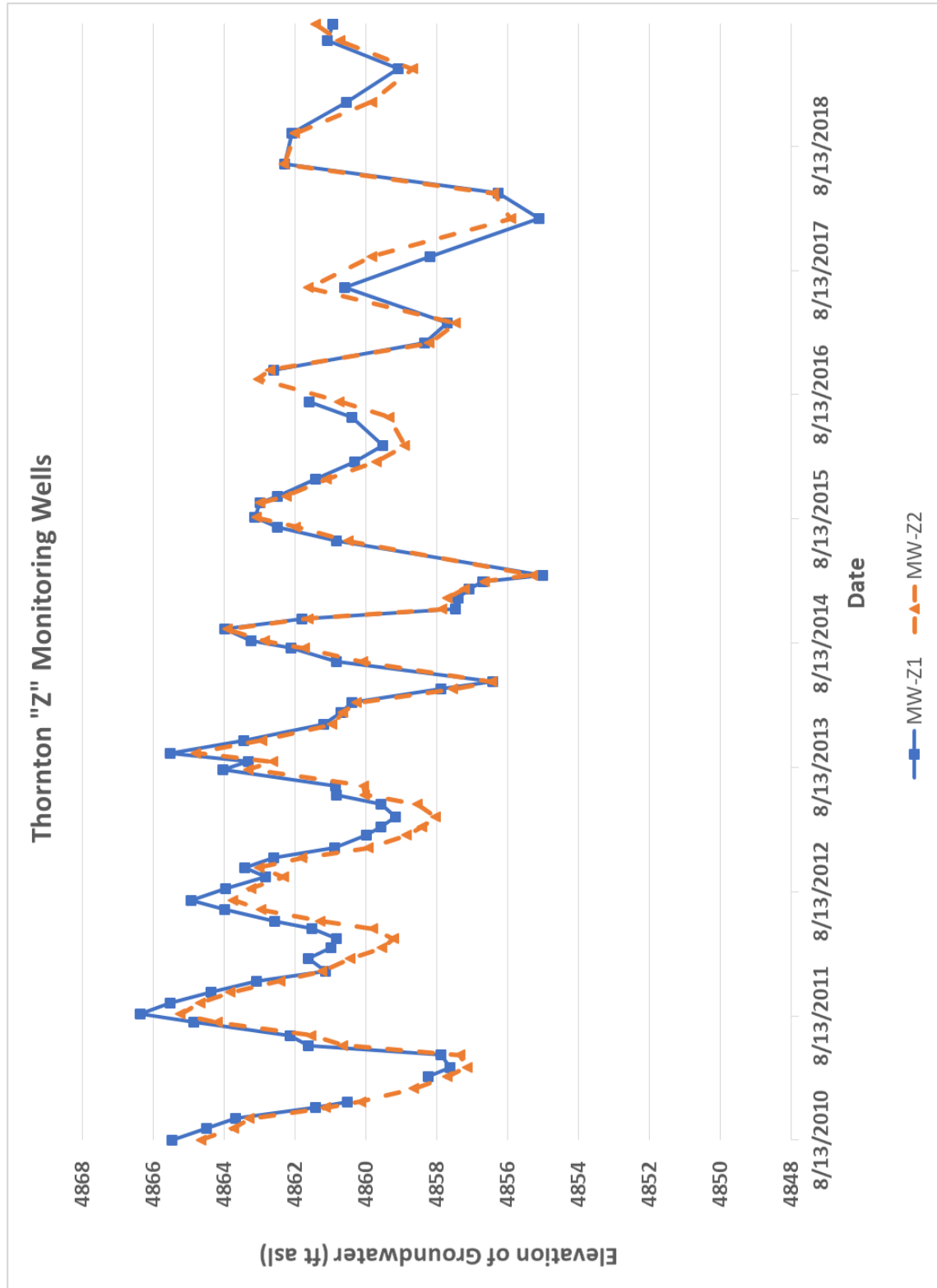
E-Mail: dennis@mcgranewater.com Web: <http://www.mcgranewaterengineering.com>

NCC Pit #1 Monitoring Wells (6 of 7)																
Well:	1		2		3		4		5		6		7		8	
Date Sampled	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation
11/29/2012	20.8	4849.2	25.2	4842.9	26.7	4840.7	33.3	4836.3	13.2	4855.2						
12/6/2012	20.8	4849.1	25.8	4842.2	26.7	4840.7	33.3	4836.3	13.7	4854.7						
12/12/2012	21.2	4848.8	26.1	4842.0	26.8	4840.5	33.3	4836.3	14.1	4854.3						
12/18/2012	21.3	4848.6	26.3	4841.8	26.9	4840.4	33.3	4836.3	14.5	4853.9						
12/27/2012	21.6	4848.4	26.7	4841.4	27.1	4840.2	33.3	4836.3	15.0	4853.4						
1/3/2013	21.8	4848.2	26.9	4841.2	27.2	4840.2	33.3	4836.3	15.3	4853.1						
1/11/2013	21.9	4848.0	27.5	4840.6	27.3	4840.1	33.3	4836.3	15.6	4852.8						
1/17/2013	22.3	4847.7	28.3	4839.8	27.3	4840.0	33.3	4836.3	15.5	4852.9						
1/22/2013	23.4	4846.5	28.9	4839.2	27.3	4840.1	33.3	4836.3	15.4	4852.9						
1/30/2013	23.0	4847.0	29.8	4838.2	27.3	4840.1	33.3	4836.3	15.3	4853.0						
2/6/2013	23.1	4846.9	29.8	4838.2	27.3	4840.0	33.3	4836.3	15.3	4853.1						
2/12/2013	23.3	4846.7	29.9	4838.2	27.3	4840.1	33.3	4836.3	15.0	4853.4						
2/21/2013	23.3	4846.6	29.8	4838.2	27.4	4839.9	33.3	4836.3	14.8	4853.5						
2/27/2013	23.4	4846.5	29.8	4838.2	27.3	4840.0	33.3	4836.3	14.2	4854.2						
3/4/2013	23.6	4846.4	29.9	4838.2	27.3	4840.0	33.3	4836.3	13.3	4855.1						
3/13/2013	23.7	4846.3	30.0	4838.1	27.4	4839.9	33.3	4836.3	11.9	4856.4						
3/22/2013	23.8	4846.1	29.9	4838.2	27.3	4840.0	33.3	4836.3	11.3	4857.1						
3/26/2013	24.0	4846.0	29.9	4838.2	27.4	4839.9	33.3	4836.3	10.8	4857.6						
4/2/2013	24.1	4845.9	30.0	4838.1	27.5	4839.8	33.3	4836.3	10.5	4857.9						
4/12/2013	24.3	4845.7	30.0	4838.1	27.6	4839.7	33.3	4836.3	10.4	4857.9						
4/17/2013	24.0	4846.0	29.8	4838.2	27.4	4839.9	33.3	4836.3	10.3	4858.0						
4/25/2013	23.9	4846.0	29.8	4838.3	27.4	4839.9	33.3	4836.3	10.3	4858.1						
5/1/2013	23.8	4846.2	29.8	4838.2	27.3	4840.0	33.3	4836.3	10.3	4858.0						
5/9/2013	23.8	4846.2	29.9	4838.2	27.2	4840.2	33.3	4836.3	10.4	4857.9						
5/14/2013	23.6	4846.4	29.8	4838.3	26.9	4840.4	33.3	4836.3	10.6	4857.8						
5/22/2013	23.3	4846.6	29.7	4838.4	26.8	4840.6	33.3	4836.3	10.6	4857.8						
5/30/2013	22.9	4847.0	29.2	4838.9	25.6	4841.7	32.3	4837.2	10.3	4858.0						
6/7/2013	22.6	4847.4	28.3	4839.8	24.2	4843.2	31.3	4838.3	10.1	4858.3						
6/14/2013	22.3	4847.6	27.6	4840.5	23.1	4844.2	30.5	4839.1	9.9	4858.4						
6/19/2013	22.3	4847.7	27.4	4840.7	22.9	4844.4	30.8	4838.8	10.1	4858.3						
6/25/2013	22.1	4847.9	27.3	4840.8	22.6	4844.7	30.7	4838.9	10.0	4858.4						
7/3/2013	21.9	4848.0	27.0	4841.1	22.4	4844.9	30.7	4838.9	9.9	4858.4						
7/11/2013	21.8	4848.1	26.9	4841.2	22.3	4845.0	30.6	4839.0	9.9	4858.4						
7/15/2013	21.8	4848.2	26.8	4841.2	22.0	4845.3	30.5	4839.1	9.8	4858.5						
7/23/2013	21.8	4848.1	26.8	4841.3	22.1	4845.2	30.6	4839.0	9.9	4858.4						
7/30/2013	21.8	4848.2	26.9	4841.2	22.3	4845.1	30.6	4839.0	9.8	4858.5						
8/8/2013	21.7	4848.3	27.1	4841.0	22.3	4845.1	30.5	4839.1	9.9	4858.4						
8/14/2013	21.8	4848.2	27.0	4841.1	22.3	4845.0	30.6	4839.0	10.0	4858.4						
8/22/2013	21.8	4848.1	27.1	4841.0	22.2	4845.2	30.6	4839.0	9.9	4858.4						
8/27/2013	22.3	4847.6	27.2	4840.9	22.3	4845.1	30.8	4838.8	10.0	4858.4						
9/3/2013	21.8	4848.1	27.3	4840.8	22.2	4845.2	30.7	4838.9	10.1	4858.3						
9/11/2013	21.8	4848.2	27.3	4840.8	22.3	4845.1	30.8	4838.8	10.2	4858.2						
9/20/2013																
9/27/2013	9.9	4860.0	8.4	4859.7	11.3	4856.0	10.0	4859.6	7.8	4860.5						
10/3/2013	10.0	4860.0	8.5	4859.6	11.4	4855.9	10.2	4859.4	7.8	4860.5						
10/8/2013	10.1	4859.9	8.6	4859.5	11.6	4855.7	10.3	4859.3	8.0	4860.4						
10/16/2013	10.2	4859.8	8.5	4859.6	11.6	4855.7	10.4	4859.2	8.1	4860.3						
10/23/2013	10.3	4859.6	8.4	4859.7	11.7	4855.7	10.5	4859.1	8.3	4860.1						
10/29/2013	10.4	4859.5	8.6	4859.5	11.6	4855.7	10.5	4859.1	8.3	4860.0						
11/4/2013	10.5	4859.5	8.6	4859.5	11.7	4855.7	10.7	4858.9	8.3	4860.0						
11/13/2013	10.5	4859.5	8.8	4859.3	11.8	4855.6	10.8	4858.8	8.5	4859.9						
11/19/2013	10.7	4859.3	8.8	4859.2	11.9	4855.4	10.8	4858.8	8.6	4859.8						
11/27/2013	10.8	4859.1	8.8	4859.2	12.0	4855.3	10.8	4858.7	8.6	4859.8						
12/4/2013	10.9	4859.0	9.0	4859.1	12.2	4855.2	10.9	4858.7	8.7	4859.7						
12/12/2013	10.8	4859.1	9.1	4859.0	12.2	4855.2	11.1	4858.5	8.8	4859.6						
12/18/2013	10.8	4859.2	9.2	4858.9	12.3	4855.1	11.3	4858.3	8.8	4859.5						
12/23/2013	10.9	4859.0	9.1	4859.0	12.2	4855.2	11.3	4858.2	8.9	4859.4						
1/2/2014	11.4	4858.5	9.6	4858.5	12.5	4854.8	11.5	4858.1	8.8	4859.5						
1/7/2014	11.9	4858.0	10.2	4857.9	12.8	4854.5	12.4	4857.2	9.0	4859.4						
1/15/2014	12.3	4857.7	10.8	4857.3	13.7	4853.7	13.5	4856.1	8.9	4859.4						
1/22/2014	12.5	4857.5	11.5	4856.6	14.4	4852.9	14.5	4855.1	8.9	4859.4						
1/28/2014	12.7	4857.3	12.4	4855.7	15.3	4852.0	15.6	4854.0	9.0	4859.4						
2/5/2014	13.2	4856.8	13.1	4855.0	16.0	4851.3	16.3	4853.2	9.1	4859.3						
2/12/2014	13.6	4856.4	14.0	4854.1	16.7	4850.7	17.2	4852.4	8.9	4859.4						
2/21/2014	13.9	4856.0	14.8	4853.3	17.6	4849.7	17.9	4851.7	9.0	4859.4						
2/25/2014	14.2	4855.8	15.4	4852.7	18.6	4848.7	18.9	4850.7	9.0	4859.4						
3/4/2014	14.4	4855.5	15.9	4852.2	19.3	4848.0	19.7	4849.9	8.9	4859.4						

NCC Pit #1 Monitoring Wells (7 of 7)																
Well:	1		2		3		4		5		6		7		8	
Date Sampled	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation
3/13/2014	14.3	4855.6	16.5	4851.6	20.0	4847.3	20.1	4849.5	8.9	4859.4						
3/19/2014	14.5	4855.5	16.8	4851.3	20.8	4846.5	20.8	4848.7	8.8	4859.5						
3/27/2014	14.4	4855.5	17.1	4851.0	21.3	4846.0	21.6	4848.0	9.0	4859.4						
4/2/2014	14.5	4855.5	17.2	4850.9	24.0	4843.3	21.7	4847.9	9.1	4859.3						
4/8/2014	14.5	4855.5	17.3	4850.8	21.6	4845.7	21.8	4847.7	9.1	4859.3						
4/17/2014	14.6	4855.4	17.3	4850.7	21.8	4845.6	22.0	4847.6	9.2	4859.2						
4/22/2014	14.7	4855.3	17.3	4850.8	21.9	4845.4	22.1	4847.5	9.1	4859.3						
5/1/2014	14.8	4855.2	17.3	4850.7	22.0	4845.3	22.3	4847.2	9.0	4859.4						
5/8/2014	14.7	4855.3	17.4	4850.7	22.1	4845.2	22.5	4847.1	8.9	4859.4						
5/14/2014	14.8	4855.2	17.5	4850.6	22.3	4845.1	22.3	4847.2	9.0	4859.4						
5/22/2014	14.8	4855.1	17.4	4850.7	22.4	4844.9	22.3	4847.3	9.0	4859.4						
5/27/2014	14.9	4855.0	17.5	4850.6	22.5	4844.8	22.4	4847.2	8.9	4859.4						
6/4/2014	14.8	4855.1	17.4	4850.7	22.4	4844.9	22.5	4847.1	8.8	4859.5						
6/10/2014	14.9	4855.0	17.3	4850.7	22.5	4844.8	22.4	4847.2	8.9	4859.4						
6/19/2014	15.0	4855.0	17.4	4850.7	22.5	4844.8	22.4	4847.2	9.0	4859.4						
6/24/2014	14.9	4855.0	17.5	4850.6	22.6	4844.7	22.7	4846.9	8.9	4859.4						
7/13/2014	14.8	4855.1	17.6	4850.5	22.5	4844.8	22.8	4846.8	8.8	4859.5						
7/9/2014	14.9	4855.0	17.7	4850.4	22.6	4844.7	22.8	4846.7	8.9	4859.4						
7/16/2014	15.0	4855.0	17.8	4850.3	22.7	4844.7	22.9	4846.7	9.0	4859.4						
7/23/2014	15.1	4854.9	17.8	4850.2	22.8	4844.6	23.0	4846.6	8.9	4859.4						
7/29/2014	15.2	4854.8	17.8	4850.3	22.7	4844.7	23.0	4846.6	9.0	4859.4						
8/5/2014	15.2	4854.8	17.8	4850.2	22.8	4844.6	23.1	4846.5	9.1	4859.3						
8/14/2014	15.3	4854.7	17.9	4850.2	22.8	4844.6	23.2	4846.4	9.2	4859.2						
9/10/2014	15.4	4854.5	17.9	4850.2	22.8	4844.5	23.3	4846.3	9.2	4859.2						
10/16/2014	15.3	4854.6	17.9	4850.2	23.0	4844.3	23.2	4846.4	9.3	4859.1						
11/12/2014	15.6	4854.4	18.1	4850.0	23.2	4844.2	23.3	4846.2	9.6	4858.8						
12/12/2014	15.8	4854.2	18.3	4849.7	23.4	4843.9	23.7	4845.9	9.8	4858.5						
1/22/2015	15.9	4854.0	18.3	4849.7	23.3	4844.0	15.4	4854.2	10.0	4858.4						
2/18/2015	15.8	4854.1	18.2	4849.9	23.3	4844.0	23.3	4846.2	9.8	4858.5						
3/17/2015	15.7	4854.3	18.1	4850.0	23.3	4844.1	22.8	4846.7	9.8	4858.6						
4/8/2015	15.9	4854.0	17.9	4850.2	22.5	4844.8	22.7	4846.9	9.7	4858.7						
5/20/2015	15.7	4854.3	17.5	4850.6	22.2	4845.2	22.5	4847.1	9.3	4859.0						
6/17/2015	14.5	4855.5	16.4	4851.7	21.7	4845.7	22.0	4847.6	8.1	4860.3						
7/7/2015	14.4	4855.5	16.2	4851.9	20.9	4846.4	21.7	4847.9	7.4	4860.9						
8/19/2015	14.4	4855.5	15.9	4852.2	20.8	4846.5	21.8	4847.7	7.5	4860.9						
9/15/2015	15.0	4855.0	16.4	4851.7	21.3	4846.1	22.5	4847.1	8.1	4860.3						
10/13/2015	15.5	4854.5	16.6	4851.5	21.8	4845.6	22.9	4846.7	8.8	4859.5						
11/17/2015	15.8	4854.1	17.1	4851.0	23.0	4844.3	23.7	4845.9	9.8	4858.6						
12/16/2015	16.8	4853.1	18.1	4850.0	23.3	4844.1	24.2	4845.4	10.7	4857.7						
1/19/2016	17.3	4852.6	18.5	4849.6	23.6	4843.7	24.2	4845.4	11.0	4857.4						
2/17/2016	17.6	4852.4	19.3	4848.8	24.1	4843.2	24.5	4845.1	11.3	4857.1						
3/3/2016	18.3	4851.6	20.1	4848.0	24.2	4843.2	24.8	4844.7	11.8	4856.5						
4/13/2016	19.8	4850.1	21.0	4847.1	24.3	4843.1										
5/10/2016	20.0	4850.0	21.7	4846.4	24.8	4842.6										
6/23/2016	18.9	4851.0	20.5	4847.6	23.4	4843.9										
7/19/2016	19.3	4850.7	19.9	4848.2	24.2	4843.2										
8/24/2016	19.2	4850.8	19.8	4848.2	24.8	4842.6										
9/20/2016	20.3	4849.7	21.3	4846.7	25.2	4842.2										
10/8/2016	21.4	4848.5	22.8	4845.2	25.6	4841.7										
11/16/2016	22.3	4847.6	24.2	4843.9	26.1	4841.2										
12/13/2016	24.2	4845.8	27.4	4840.7	26.6	4840.7										
1/17/2017	25.1	4844.9	28.2	4839.9	27.0	4840.3										
2/15/2017	25.8	4844.1	29.7	4838.4	27.8	4839.6										
4/27/2018	29.3	4840.6			25.9	4841.4										
5/16/2018	29.4	4840.5			26.2	4841.2										
6/12/2018	29.7	4840.3			26.4	4840.9										
7/18/2018	29.9	4840.0			26.7	4840.7										
8/8/2018	29.0	4841.0			26.3	4841.1										
9/20/2018	29.3	4840.7			26.8	4840.6										
10/16/2018	29.3	4840.6			26.8	4840.5										
11/21/2018	29.2	4840.8			27.1	4840.2										
12/11/2018	29.6	4840.4			27.3	4840.1										
1/15/2019	29.9	4840.0														

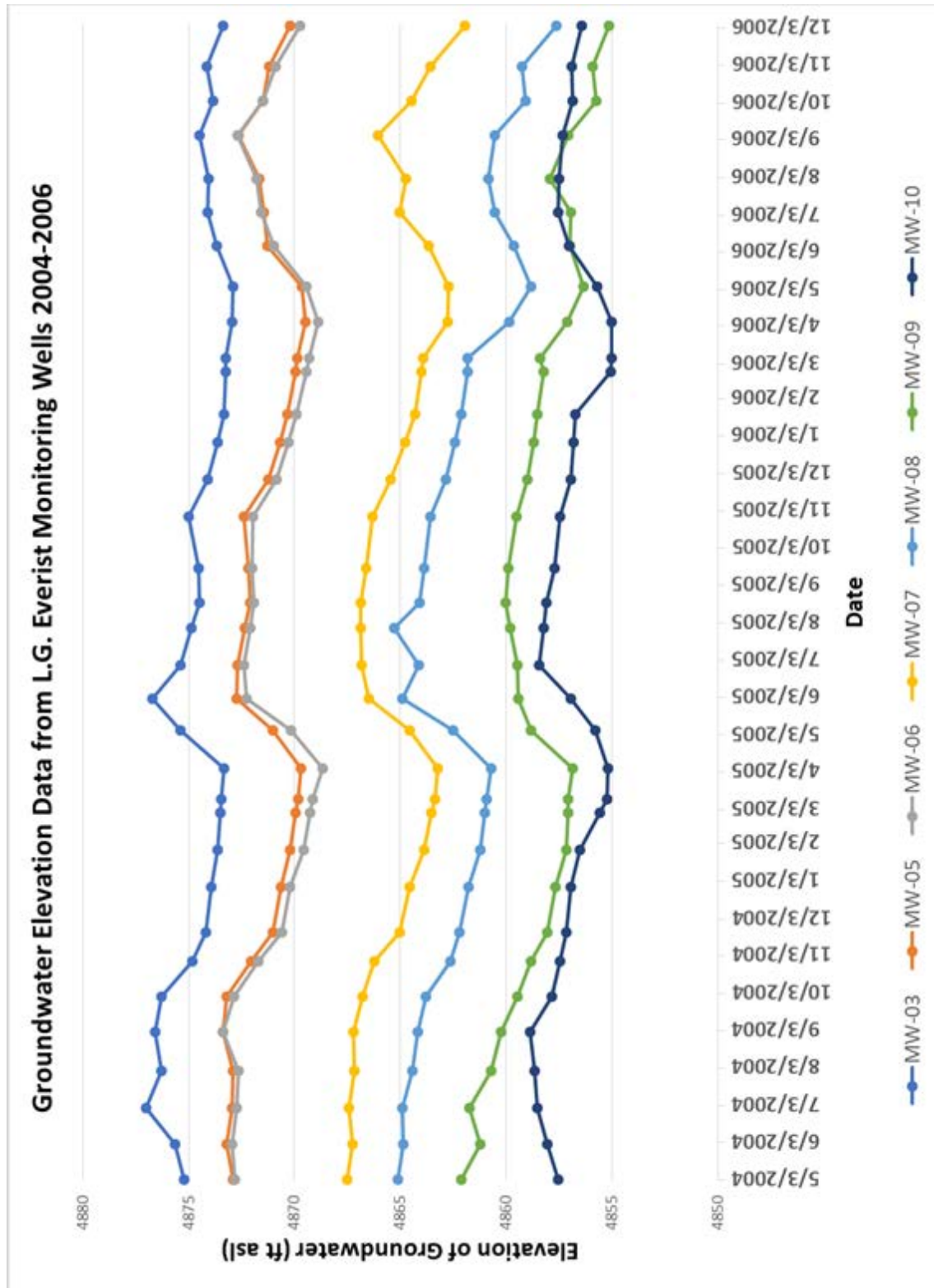
Note: Elevation was extracted from the USGS 10m DEM. Also, there are 2 #6s I just used one of the elevations for 6. And, all data was extracted from the table: NCC Pit #1 Monitoring Well Reading Update 1-17-19.xls. Locations were updated on 05/24/2020 based on: IT-NCC Reservoir Geotech WITH WELL DATA 6/24/20.pdf. Elevations of the revised wells locations were updated as well.

Appendix C – Thornton “Z” Well Data and Plot



Thornton Z Wells Monitoring Data (1 of 1)									
	MW-Z1		MW-Z2			MW-Z1		MW-Z2	
Top of PVC Elevation (ft)*	4869.73	--	4870.05	--					
Date of Measurement	Depth to water from top of PVC (ft)	GW Elevation	Depth to water from top of PVC (ft)	GW Elevation	Date of Measurement	Depth to water from top of PVC (ft)	GW Elevation	Depth to water from top of PVC (ft)	GW Elevation
8/13/2010	4.25	4865.48	5.40	4864.65	12/16/2013	8.54	4861.19	9.09	4860.96
9/16/2010	5.22	4864.51	6.33	4863.72	1/21/2014	9.03	4860.70	9.40	4860.65
10/14/2010	6.06	4863.67	6.76	4863.29	2/18/2014	9.34	4860.39	9.79	4860.26
11/16/2010	8.31	4861.42	8.92	4861.13	3/31/2014	11.85	4857.88	12.50	4857.55
12/3/2010	9.20	4860.53	9.90	4860.15	4/21/2014	13.30	4856.43	13.61	4856.44
1/11/2011			11.40	4858.65	6/18/2014	8.90	4860.83	9.95	4860.10
2/15/2011	11.49	4858.24	12.34	4857.71	7/29/2014	7.61	4862.12	8.31	4861.74
3/15/2011	12.10	4857.63	12.90	4857.15	8/19/2014	6.50	4863.23	7.20	4862.85
4/19/2011	11.85	4857.88	12.70	4857.35	9/23/2014	5.75	4863.98	6.13	4863.92
5/17/2011	8.10	4861.63	9.40	4860.65	10/23/2014	7.93	4861.80	8.41	4861.64
6/16/2011	7.60	4862.13	8.50	4861.55	11/20/2014	12.25	4857.48	12.20	4857.85
7/25/2011	4.87	4864.86	5.85	4864.20	12/23/2014	12.33	4857.40	12.33	4857.72
8/17/2011	3.35	4866.38	4.81	4865.24	1/20/2015	12.64	4857.09	12.84	4857.21
9/20/2011	4.20	4865.53	5.38	4864.67	2/10/2015	13.03	4856.70	13.40	4856.65
10/21/2011	5.37	4864.36	6.22	4863.83	3/1/2015	14.71	4855.02	14.75	4855.30
11/23/2011	6.64	4863.09	7.63	4862.42	6/9/2015	8.89	4860.84	9.55	4860.50
12/21/2011	8.60	4861.13	8.80	4861.25	7/20/2015	7.23	4862.50	8.07	4861.98
1/27/2012	8.10	4861.63	9.59	4860.46	8/17/2015	6.60	4863.13	6.95	4863.10
2/28/2012	8.75	4860.98	10.50	4859.55	9/29/2015	6.75	4862.98	7.07	4862.98
3/26/2012	8.90	4860.83	10.83	4859.22	10/19/2015	7.23	4862.50	7.80	4862.25
4/24/2012	8.20	4861.53	10.25	4859.80	12/7/2015	8.30	4861.43	8.93	4861.12
5/17/2012	7.15	4862.58	8.75	4861.30	1/28/2016	9.41	4860.32	10.35	4859.70
6/19/2012	5.75	4863.98	7.10	4862.95	3/15/2016	10.20	4859.53	11.15	4858.90
7/18/2012	4.80	4864.93	6.30	4863.75	6/7/2016	9.33	4860.40	10.70	4859.35
8/21/2012	5.78	4863.95	6.82	4863.23	7/22/2016	8.13	4861.60	9.30	4860.75
9/24/2012	6.89	4862.84	7.72	4862.33	9/27/2016			7.01	4863.04
10/22/2012	6.30	4863.43	7.05	4863.00	10/24/2016	7.13	4862.60	7.35	4862.70
11/19/2012	7.14	4862.59	8.23	4861.82	1/10/2017	11.38	4858.35	11.83	4858.22
12/18/2012	8.85	4860.88	10.11	4859.94	3/10/2017	12.03	4857.70	12.58	4857.47
1/24/2013	9.73	4860.00	11.19	4858.86	6/23/2017	9.12	4860.61	8.43	4861.62
2/18/2013	10.15	4859.58	11.62	4858.43	9/22/2017	11.54	4858.19	10.22	4859.83
3/19/2013	10.55	4859.18	12.01	4858.04	1/12/2018	14.60	4855.13	14.13	4855.92
4/26/2013	10.15	4859.58	11.50	4858.55	3/27/2018	13.47	4856.26	13.65	4856.40
5/24/2013	8.90	4860.83	10.02	4860.03	6/20/2018	7.43	4862.30	7.73	4862.32
6/19/2013	8.88	4860.85	9.98	4860.07	9/20/2018	7.63	4862.10	8.05	4862.00
8/6/2013	5.70	4864.03	6.74	4863.31	12/21/2018	9.19	4860.54	10.21	4859.84
8/29/2013	6.40	4863.33	7.42	4862.63	3/28/2019	10.64	4859.09	11.36	4858.69
9/23/2013	4.20	4865.53	5.24	4864.81	6/19/2019	8.63	4861.10	9.31	4860.74
10/31/2013	6.28	4863.45	7.12	4862.93	8/6/2019	8.79	4860.94	8.63	4861.42
*Note: Elevation and SWL Ele data extracted from 'Zadel Pit.xls'									

Appendix C – LG-Everist Monitoring Well Data and Plots



McGrane Water Engineering, LLC

1669 Apple Valley Rd. • Lyons, CO 80540 • Phone: (303) 917-1247

E-Mail: dennis@mcgranewater.com Web: <http://www.mcgranewaterengineering.com>

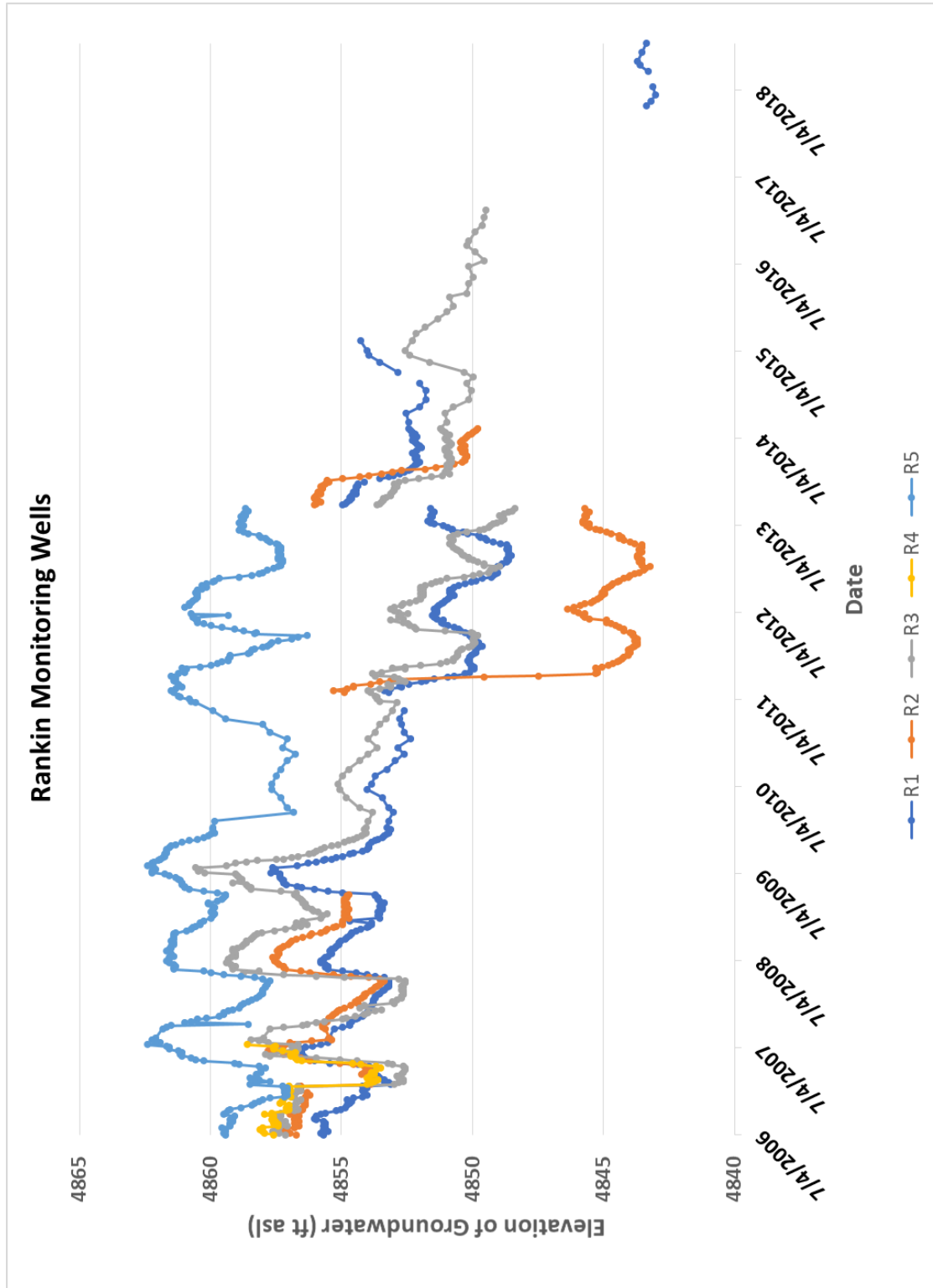
L.G. Everist Monitoring Wells (1 of 1)														
Well ID:	MW-03		MW-05		MW-06		MW-07		MW-08		MW-09		MW-10	
Elevation	4878.17	--	4875.98	--	4873.53	--	4870.92	--	4869.2	--	4866.27	--	4863.1	--
Casing Height	3.03	--	3.02	--	3.02	--	3.14	--	3.18	--	3.2	--	3.08	--
Date Sampled	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation
5/3/2004	5.97	4875.23	6.11	4872.89	3.72	4872.83	6.53	4867.53	7.26	4865.12	7.35	4862.12	8.65	4857.53
6/1/2004	5.57	4875.63	5.79	4873.21	3.58	4872.97	6.79	4867.27	7.52	4864.86	8.23	4861.24	8.11	4858.07
7/1/2004	4.17	4877.03	6.04	4872.96	3.81	4872.74	6.62	4867.44	7.48	4864.9	7.73	4861.74	7.66	4858.52
7/31/2004	4.9	4876.3	6.1	4872.9	3.88	4872.67	6.9	4867.16	7.93	4864.45	8.75	4860.72	7.55	4858.63
9/1/2004	4.6	4876.6	5.61	4873.39	3.16	4873.39	6.83	4867.23	8.19	4864.19	9.22	4860.25	7.3	4858.88
9/30/2004	4.89	4876.31	5.78	4873.22	3.68	4872.87	7.29	4866.77	8.58	4863.8	10	4859.47	8.36	4857.82
10/29/2004	6.38	4874.82	6.96	4872.04	4.85	4871.7	7.84	4866.22	9.76	4862.62	10.66	4858.81	8.71	4857.47
11/22/2004	7.02	4874.18	7.99	4871.01	5.96	4870.59	9.04	4865.02	10.17	4862.21	11.42	4858.05	9.04	4857.14
12/29/2004	7.26	4873.94	8.36	4870.64	6.34	4870.21	9.5	4864.56	10.6	4861.78	11.82	4857.65	9.23	4856.95
1/28/2005	7.58	4873.62	8.81	4870.19	6.96	4869.59	10.17	4863.89	11.15	4861.23	12.3	4857.17	9.67	4856.51
2/28/2005	7.69	4873.51	9.06	4869.94	7.28	4869.27	10.54	4863.52	11.37	4861.01	12.39	4857.08	10.6	4855.58
3/11/2005	7.73	4873.47	9.16	4869.84	7.41	4869.14	10.68	4863.38	11.46	4860.92	12.42	4857.05	10.96	4855.22
4/5/2005	7.85	4873.35	9.32	4869.68	7.87	4868.68	10.83	4863.23	11.68	4860.7	12.6	4856.87	10.99	4855.19
5/6/2005	5.8	4875.4	7.98	4871.02	6.37	4870.18	9.48	4864.58	9.87	4862.51	10.63	4858.84	10.38	4855.8
6/1/2005	4.49	4876.71	6.28	4872.72	4.3	4872.25	7.57	4866.49	7.48	4864.9	10.06	4859.41	9.26	4856.92
6/29/2005	5.8	4875.4	6.31	4872.69	4.17	4872.38	7.22	4866.84	8.23	4864.15	10.02	4859.45	7.73	4858.45
7/29/2005	6.33	4874.87	6.66	4872.34	4.44	4872.11	7.17	4866.89	7.08	4865.3	9.68	4859.79	7.95	4858.23
8/19/2005	6.7	4874.5	6.9	4872.1	4.63	4871.92	7.2	4866.86	8.31	4864.07	9.45	4860.02	8.1	4858.08
9/16/2005	6.67	4874.53	6.81	4872.19	4.53	4872.02	7.43	4866.63	8.49	4863.89	9.57	4859.9	8.49	4857.69
10/28/2005	6.2	4875	6.62	4872.38	4.58	4871.97	7.75	4866.31	8.82	4863.56	9.96	4859.51	8.71	4857.47
11/28/2005	7.1	4874.1	7.76	4871.24	5.68	4870.87	8.6	4865.46	9.55	4862.83	10.48	4858.99	9.24	4856.94
12/28/2005	7.55	4873.65	8.31	4870.69	6.27	4870.28	9.29	4864.77	9.97	4862.41	10.77	4858.7	9.38	4856.8
1/20/2006	7.85	4873.35	8.68	4870.32	6.66	4869.89	9.76	4864.3	10.25	4862.13	10.96	4858.51	9.47	4856.71
2/24/2006	7.93	4873.27	9.04	4869.96	7.13	4869.42	10.05	4864.01	10.58	4861.8	11.25	4858.22	11.12	4855.06
3/7/2006	7.94	4873.26	9.13	4869.87	7.25	4869.3	10.13	4863.93	10.57	4861.81	11.08	4858.39	11.17	4855.01
4/6/2006	8.23	4872.97	9.5	4869.5	7.65	4868.9	11.31	4862.75	12.53	4859.85	12.38	4857.09	11.18	4855
5/5/2006	8.3	4872.9	9.36	4869.64	7.12	4869.43	11.35	4862.71	13.55	4858.83	13.12	4856.35	10.5	4855.68
6/7/2006	7.51	4873.69	7.7	4871.3	5.55	4871	10.41	4863.65	12.75	4859.63	12.5	4856.97	9.15	4857.03
7/5/2006	7.1	4874.1	7.55	4871.45	4.97	4871.58	9.02	4865.04	11.85	4860.53	12.55	4856.92	8.63	4857.55
8/1/2006	7.15	4874.05	7.34	4871.66	4.75	4871.8	9.31	4864.75	11.56	4860.82	11.56	4857.91	8.7	4857.48
9/6/2006	6.71	4874.49	6.35	4872.65	3.86	4872.69	8.02	4866.04	11.84	4860.54	12.41	4857.06	8.86	4857.32
10/4/2006	7.36	4873.84	7.49	4871.51	5.06	4871.49	9.58	4864.48	13.31	4859.07	13.73	4855.74	9.31	4856.87
11/1/2006	7.07	4874.13	7.8	4871.2	5.66	4870.89	10.5	4863.56	13.12	4859.26	13.54	4855.93	9.3	4856.88
12/5/2006	7.84	4873.36	8.78	4870.22	6.82	4869.73	12.1	4861.96	14.75	4857.63	14.32	4855.15	9.76	4856.42

McGrane Water Engineering, LLC

1669 Apple Valley Rd. • Lyons, CO 80540 • Phone: (303) 917-1247

E-Mail: dennis@mcgranewater.com Web: <http://www.mcgranewaterengineering.com>

Appendix C – Rankin Monitoring Well Data and Plots



Rankin Wells (1 of 6)												
Well ID:	R1		R2		R3		R4		R5		R6	
Elevation	4861.53	--	4863.05	--	4862.64	--	4861.76	--	4862.91	--	0	--
Date Sampled	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation
7/4/2006	5.8	4855.7	6.3	4856.7	5.5	4857.1	4.2	4857.6	3.5	4859.4		
7/10/2006	5.8	4855.8	6.1	4857.0	5.3	4857.4	3.8	4857.9	3.4	4859.5		
7/19/2006	6.0	4855.5	5.8	4857.2	5.0	4857.6	3.8	4858.0	3.5	4859.4		
7/26/2006	5.8	4855.7	5.9	4857.1	5.2	4857.5	3.7	4858.1	3.5	4859.4		
8/3/2006	5.9	4855.6	6.3	4856.8	5.3	4857.4	3.8	4858.0	3.3	4859.6		
8/8/2006	5.8	4855.7	6.4	4856.6	5.6	4857.1	4.3	4857.4	3.7	4859.2		
8/17/2006	5.9	4855.6	6.3	4856.7	5.4	4857.2	4.3	4857.4	3.7	4859.2		
8/22/2006	5.9	4855.6	6.3	4856.8	5.5	4857.1	4.2	4857.6	3.7	4859.2		
8/29/2006	5.8	4855.7	6.4	4856.6	5.5	4857.1	4.3	4857.5	3.8	4859.2		
9/6/2006	5.6	4855.9	6.3	4856.8	5.3	4857.4	4.1	4857.7	3.7	4859.2		
9/11/2006	5.5	4856.0	6.3	4856.8	5.3	4857.4	4.2	4857.6	3.8	4859.2		
9/20/2006	5.6	4855.9	6.4	4856.6	5.3	4857.3	4.2	4857.6	3.8	4859.1		
9/28/2006	5.8	4855.8	6.1	4857.0	5.3	4857.4	3.8	4857.9	3.4	4859.5		
10/4/2006	5.9	4855.6	6.3	4856.8	5.3	4857.3	4.1	4857.7	3.5	4859.4		
10/12/2006	6.3	4855.2	6.5	4856.6	5.8	4856.8	4.7	4857.1	3.6	4859.3		
10/18/2006	6.5	4855.0	6.6	4856.5	6.0	4856.6	4.8	4857.0	3.7	4859.2		
10/25/2006	6.7	4854.9	6.6	4856.5	5.9	4856.7	4.7	4857.1	4.1	4858.8		
11/6/2006	6.8	4854.8	6.7	4856.4	5.8	4856.8	4.8	4857.0	4.5	4858.4		
11/14/2006	6.8	4854.7	6.7	4856.4	5.9	4856.7	4.4	4857.3	4.6	4858.3		
11/21/2006	6.9	4854.6	6.6	4856.5	6.0	4856.6	4.5	4857.3	4.8	4858.2		
11/28/2006	6.8	4854.8	6.7	4856.4	6.1	4856.6	4.5	4857.3	4.9	4858.0		
12/5/2006	7.0	4854.5	6.7	4856.4	5.8	4856.8	4.6	4857.2	5.2	4857.7		
12/11/2006	7.3	4854.2	6.7	4856.4	5.8	4856.9	4.8	4856.9	5.8	4857.2		
12/19/2006	7.5	4854.0	6.8	4856.2	5.8	4856.8	4.7	4857.1	5.8	4857.1		
12/28/2006	7.4	4854.1	6.8	4856.3	5.9	4856.7	4.8	4857.0	5.8	4857.2		
1/5/2007	7.3	4854.2	6.4	4856.6	6.1	4856.6	4.8	4856.9	5.8	4857.1		
1/10/2007	7.4	4854.1	6.5	4856.6	6.0	4856.6	4.7	4857.1	5.8	4857.2		
1/16/2007	7.5	4854.0	6.4	4856.6	6.0	4856.6	4.6	4857.2	5.8	4857.1		
1/23/2007	7.3	4854.2	6.5	4856.6	6.0	4856.6	4.8	4857.0	5.7	4857.2		
1/31/2007	8.4	4853.1	9.2	4853.9	9.7	4853.0	7.8	4854.0	4.4	4858.5	8.1	-8.1
2/7/2007	8.3	4853.2	9.2	4853.9	9.8	4852.8	7.9	4853.8	4.6	4858.3	8.3	-8.3
2/12/2007	8.2	4853.4	9.3	4853.7	10.0	4852.6	8.0	4853.8	5.2	4857.7	8.3	-8.3
2/20/2007	8.2	4853.4	9.3	4853.7	10.0	4852.6	8.2	4853.6	4.8	4858.2	8.8	-8.8
2/27/2007	8.0	4853.5	9.1	4854.0	9.8	4852.8	7.8	4854.0	4.4	4858.5	8.4	-8.4
3/6/2007	7.9	4853.6	9.1	4854.0	9.8	4852.9	7.8	4853.9	4.7	4858.2	8.5	-8.5
3/13/2007	7.8	4853.7	8.8	4854.2	9.9	4852.7	8.0	4853.8	4.7	4858.2	8.6	-8.6
3/24/2007	7.8	4853.7	8.9	4854.1	10.0	4852.6	7.9	4853.8	4.8	4858.1	8.7	-8.7
4/4/2007	7.8	4853.7	9.0	4854.1	10.1	4852.6	8.1	4853.7	4.8	4858.1	8.8	-8.8
4/10/2007	7.7	4853.9	9.1	4854.0	10.1	4852.6	8.3	4853.5	5.0	4857.9	8.8	-8.8
4/17/2007	7.6	4853.9	8.9	4854.1	10.0	4852.6	8.1	4853.7	4.8	4858.2	8.5	-8.5
4/25/2007	7.2	4854.4	8.5	4854.6	9.6	4853.1	7.5	4854.3	4.0	4858.9	8.3	-8.3
5/1/2007	6.1	4855.4	8.0	4855.1	9.4	4853.2	7.2	4854.6	3.8	4859.1	8.2	-8.2
5/10/2007	5.5	4856.0	6.8	4856.2	8.3	4854.4	5.3	4856.5	2.7	4860.2	6.0	-6.0
5/16/2007	5.3	4856.2	6.6	4856.5	7.6	4855.1	5.1	4856.7	2.3	4860.6	5.5	-5.5
5/23/2007	5.2	4856.4	6.5	4856.6	6.7	4856.0	5.0	4856.8	2.2	4860.7	4.5	-4.5
5/31/2007	5.1	4856.4	6.3	4856.8	4.9	4857.7	4.8	4856.9	1.8	4861.1	4.0	-4.0
6/7/2007	5.0	4856.5	5.8	4857.2	4.8	4857.9	4.8	4856.9	1.8	4861.2	3.7	-3.7
6/15/2007	5.0	4856.5	5.5	4857.6	5.9	4856.7	5.0	4856.8	1.8	4861.1	4.5	-4.5
6/20/2007	4.8	4856.7	5.3	4857.8	5.3	4857.3	4.5	4857.3	1.7	4861.2	4.1	-4.1
6/28/2007	5.0	4856.5	5.3	4857.7	6.0	4856.6	4.2	4857.6	1.3	4861.6	3.7	-3.7
7/5/2007	5.2	4856.4	5.7	4857.4	5.8	4856.8	4.2	4857.6	1.3	4861.6	3.8	-3.8
7/10/2007	5.4	4856.1	5.8	4857.2	5.8	4856.9	4.3	4857.5	1.3	4861.7	3.7	-3.7
7/18/2007	5.8	4855.8	6.3	4856.8	6.0	4856.6	3.2	4858.6	0.5	4862.4	2.5	-2.5
7/25/2007	6.0	4855.5	6.1	4857.0	4.8	4857.8			1.0	4861.9	2.5	-2.5
8/1/2007	6.0	4855.5	6.9	4856.1	4.5	4858.1			0.8	4862.1	2.3	-2.3
8/8/2007	6.0	4855.5	7.7	4855.4	4.2	4858.5			0.7	4862.2	2.2	-2.2
8/14/2007	6.1	4855.4	7.6	4855.5	4.7	4858.0			0.8	4862.1	2.5	-2.5
9/21/2007	6.3	4855.3	7.4	4855.6	4.9	4857.7			1.1	4861.8	3.0	-3.0
9/28/2007	6.6	4854.9	7.3	4855.7	5.4	4857.2			1.3	4861.7	3.3	-3.3
10/5/2007	6.8	4854.7	7.3	4855.7	6.2	4856.5			1.4	4861.5	4.0	-4.0
10/10/2007	6.8	4854.7	7.3	4855.7	6.3	4856.3			4.3	4858.6	0.0	
10/19/2007	6.8	4854.7	7.4	4855.6	6.7	4856.0			1.9	4861.0	4.7	-4.7
10/23/2007	6.9	4854.6	7.5	4855.6	7.0	4855.6			2.2	4860.7	5.0	-5.0
10/31/2007	7.1	4854.4	7.6	4855.5	7.7	4855.0			2.4	4860.5	5.7	-5.7
11/5/2007	7.2	4854.4	7.6	4855.5	7.8	4854.8			2.8	4860.2	6.0	-6.0
11/13/2007	7.3	4854.2	7.7	4855.4	8.2	4854.5			3.3	4859.7	6.3	-6.3
11/21/2007	7.4	4854.1	7.8	4855.3	8.5	4854.1			3.4	4859.5	6.7	-6.7
11/27/2007	7.5	4854.0	7.8	4855.2	8.7	4854.0			3.4	4859.5	6.8	-6.8
12/5/2007	7.6	4853.9	7.9	4855.1	8.9	4853.7			3.6	4859.3	7.2	-7.2

McGrane Water Engineering, LLC

1669 Apple Valley Rd. • Lyons, CO 80540 • Phone: (303) 917-1247

E-Mail: dennis@mcgranewater.com Web: <http://www.mcgranewaterengineering.com>

Rankin Wells (2 of 6)												
Well ID:	R1		R2		R3		R4		R5		R6	
Elevation	4861.53	--	4863.05	--	4862.64	--	4861.76	--	4862.91	--	0	--
Date Sampled	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation
12/11/2007	7.6	4853.9	8.0	4855.1	9.2	4853.5			3.8	4859.2	7.3	-7.3
12/19/2007	7.6	4853.9	8.2	4854.9	8.3	4854.3			4.0	4858.9	7.5	-7.5
12/27/2007	7.7	4853.9	8.4	4854.6	8.5	4854.1			4.1	4858.8	7.7	-7.7
1/7/2008	7.8	4853.8	8.7	4854.4	9.7	4853.0			4.2	4858.7	8.2	-8.2
1/14/2008	7.8	4853.8	8.6	4854.5	9.6	4853.1			4.3	4858.6	8.3	-8.3
1/22/2008	7.8	4853.8	8.7	4854.4	9.8	4852.9			4.5	4858.4	8.4	-8.4
1/28/2008	7.8	4853.7	8.8	4854.2	9.9	4852.7			4.7	4858.2	8.7	-8.7
2/5/2008	7.8	4853.7	8.9	4854.1	9.9	4852.7			4.8	4858.2	8.8	-8.8
2/13/2008	7.9	4853.6	8.9	4854.1	10.0	4852.6			4.8	4858.1	8.8	-8.8
2/18/2008	8.0	4853.5	9.0	4854.1	10.0	4852.6			4.9	4858.0	8.9	-8.9
2/27/2008	8.1	4853.4	9.2	4853.9	10.0	4852.6			4.9	4858.0	9.0	-9.0
3/4/2008	8.2	4853.4	9.3	4853.8	9.9	4852.7			4.9	4858.0	9.1	-9.1
3/13/2008	8.3	4853.3	9.3	4853.7	10.0	4852.6			5.0	4857.9	9.0	-9.0
3/19/2008	8.3	4853.2	9.4	4853.6	9.9	4852.7			5.0	4857.9	9.1	-9.1
3/26/2008	8.3	4853.2	9.5	4853.6	10.0	4852.6			5.1	4857.8	9.1	-9.1
4/2/2008	8.3	4853.2	9.6	4853.5	10.1	4852.6			5.1	4857.8	9.1	-9.1
4/8/2008	8.3	4853.2	9.7	4853.4	10.1	4852.6			5.2	4857.7	9.2	-9.2
4/18/2008	8.2	4853.4	9.5	4853.6	9.8	4852.8			4.9	4858.0	8.9	-8.9
4/23/2008	8.2	4853.4	9.1	4854.0	7.8	4854.9			4.6	4858.3	8.1	-8.1
4/29/2008	7.8	4853.7	8.4	4854.6	6.7	4856.0			4.1	4858.8	6.9	-6.9
5/6/2008	7.5	4854.0	7.8	4855.3	5.4	4857.2			3.4	4859.5	5.3	-5.3
5/15/2008	7.1	4854.4	6.8	4856.2	3.9	4858.7			2.9	4860.0	4.3	-4.3
5/21/2008	6.6	4854.9	6.5	4856.6	4.5	4858.1			2.7	4860.2	4.2	-4.2
5/28/2008	6.0	4855.5	5.9	4857.1	3.5	4859.1			1.5	4861.4	2.7	-2.7
6/6/2008	5.9	4855.6	5.8	4857.2	3.5	4859.1			1.5	4861.4	2.8	-2.8
6/9/2008	6.0	4855.5	5.8	4857.2	3.6	4859.1			1.6	4861.3	2.8	-2.8
6/18/2008	5.9	4855.6	5.7	4857.4	3.4	4859.2			1.5	4861.4	2.8	-2.8
6/25/2008	5.8	4855.8	5.6	4857.5	3.3	4859.4			1.3	4861.6	2.8	-2.8
7/1/2008	5.8	4855.8	5.5	4857.6	3.3	4859.3			1.3	4861.7	2.9	-2.9
7/11/2008	5.8	4855.7	5.5	4857.6	3.3	4859.3			1.3	4861.6	3.0	-3.0
7/17/2008	5.9	4855.6	5.4	4857.6	3.4	4859.2			1.3	4861.6	3.1	-3.1
7/23/2008	6.0	4855.5	5.6	4857.5	3.6	4859.1			1.5	4861.4	3.2	-3.2
8/1/2008	6.2	4855.4	5.7	4857.4	3.6	4859.1			1.4	4861.5	3.1	-3.1
8/13/2008	6.1	4855.4	5.6	4857.5	3.5	4859.1			1.3	4861.7	2.9	-2.9
8/20/2008	6.2	4855.4	5.7	4857.4	3.5	4859.1			1.3	4861.6	2.8	-2.8
8/26/2008	6.3	4855.3	5.8	4857.3	3.7	4859.0			1.4	4861.5	2.8	-2.8
9/3/2008	6.3	4855.2	5.8	4857.2	3.8	4858.8			1.4	4861.5	2.7	-2.7
9/9/2008	6.4	4855.1	6.0	4857.1	3.9	4858.7			1.5	4861.4	2.8	-2.8
9/18/2008	6.4	4855.1	6.1	4857.0	4.0	4858.6			1.5	4861.4	2.8	-2.8
9/24/2008	6.5	4855.0	6.2	4856.9	4.0	4858.6			1.4	4861.5	2.7	-2.7
10/2/2008	6.7	4854.9	6.3	4856.7	4.2	4858.5			1.5	4861.4	2.8	-2.8
10/10/2008	6.8	4854.8	6.6	4856.5	4.3	4858.4			1.5	4861.4	2.8	-2.8
10/15/2008	6.8	4854.7	6.8	4856.2	4.3	4858.3			1.5	4861.4	2.8	-2.8
10/23/2008	6.9	4854.6	6.9	4856.1	4.4	4858.2			1.5	4861.4	2.8	-2.8
10/27/2008	6.9	4854.6	7.3	4855.8	4.6	4858.1			1.6	4861.3	2.9	-2.9
11/5/2008	7.1	4854.4	7.4	4855.6	5.1	4857.6			2.0	4860.9	3.5	-3.5
11/13/2008	7.3	4854.3	7.5	4855.6	5.5	4857.1			2.2	4860.7	3.8	-3.8
11/20/2008	7.5	4854.0	7.8	4855.3	5.8	4856.8			2.3	4860.7	4.0	-4.0
11/25/2008	7.6	4853.9	7.8	4855.2	6.1	4856.6			2.3	4860.6	3.9	-3.9
12/3/2008	7.7	4853.9	8.1	4855.0	6.3	4856.3			2.5	4860.4	4.3	-4.3
12/9/2008	7.7	4853.9	8.1	4855.0	5.9	4856.7			2.5	4860.4	4.3	-4.3
12/18/2008	6.8	4854.7	8.1	4855.0	6.2	4856.5			2.7	4860.2	4.3	-4.3
12/29/2008	8.0	4853.5	8.3	4854.7	6.8	4855.8			2.9	4860.0	4.8	-4.8
1/7/2009	7.9	4853.6	8.2	4854.9	6.9	4855.7			3.0	4859.9	4.8	-4.8
1/15/2009	8.0	4853.5	8.3	4854.8	7.1	4855.6			3.1	4859.8	4.8	-4.8
1/23/2009	7.9	4853.6	8.2	4854.9	6.8	4855.9			2.9	4860.0	4.8	-4.8
1/27/2009	8.0	4853.5	8.3	4854.8	6.6	4856.1			3.0	4859.9	4.8	-4.8
2/4/2009	8.1	4853.4	8.3	4854.7	6.5	4856.1			3.0	4859.9	4.8	-4.8
2/12/2009	8.1	4853.4	8.3	4854.8	6.3	4856.3			3.1	4859.8	4.9	-4.9
2/16/2009	8.0	4853.5	8.2	4854.9	6.3	4856.4			3.0	4859.9	4.8	-4.8
2/27/2009	8.1	4853.4	8.3	4854.8	6.3	4856.4			2.8	4860.1	4.7	-4.7
3/4/2009	8.2	4853.4	8.2	4854.9	6.2	4856.5			2.8	4860.1	4.8	-4.8
3/9/2009	8.0	4853.5	8.2	4854.9	6.2	4856.5			3.2	4859.7	4.8	-4.8
3/19/2009	7.9	4853.6	8.2	4854.9	6.1	4856.6			3.3	4859.6	4.7	-4.7
3/24/2009	7.9	4853.6	8.3	4854.8	6.0	4856.6			3.4	4859.5	4.7	-4.7
4/2/2009	7.8	4853.7	8.3	4854.8	5.9	4856.7			3.5	4859.4	4.8	-4.8
4/6/2009	7.8	4853.7	8.3	4854.7	5.8	4856.8			3.5	4859.4	4.8	-4.8
4/15/2009	6.6	4854.9			5.9	4856.7			3.2	4859.7	4.7	-4.7
4/21/2009	6.0	4855.5			5.3	4857.3			2.7	4860.2	4.3	-4.3
4/29/2009	5.5	4856.0			4.2	4858.5			2.1	4860.8	3.7	-3.7
5/5/2009	5.0	4856.5			4.2	4858.5			1.9	4861.0	3.7	-3.7
5/11/2009	4.8	4856.7			4.1	4858.6			1.9	4861.0	3.7	-3.7
5/19/2009	4.4	4857.1			4.0	4858.6			1.8	4861.1	3.6	-3.6
5/27/2009	4.3	4857.2			3.5	4859.1			1.8	4861.1	3.5	-3.5
6/4/2009	4.3	4857.2			3.8	4858.8			1.8	4861.2	3.4	-3.4

McGrane Water Engineering, LLC

1669 Apple Valley Rd. • Lyons, CO 80540 • Phone: (303) 917-1247

E-Mail: dennis@mcgranewater.com Web: <http://www.mcgranewaterengineering.com>

Rankin Wells (3 of 6)												
Well ID:	R1		R2		R3		R4		R5		R6	
Elevation	4861.53	--	4863.05	--	4862.64	--	4861.76	--	4862.91	--	0	--
Date Sampled	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation
6/10/2009	4.3	4857.3			3.8	4858.8			1.7	4861.2	3.3	-3.3
6/18/2009	4.2	4857.4			3.8	4858.9			1.6	4861.3	3.3	-3.3
6/23/2009	4.2	4857.4			3.7	4859.0			1.3	4861.6	3.1	-3.1
7/1/2009	4.2	4857.4			3.6	4859.1			1.2	4861.7	2.8	-2.8
7/8/2009	3.8	4857.7			2.4	4860.2			0.7	4862.2	2.2	-2.2
7/14/2009	4.0	4857.5			2.2	4860.5			0.7	4862.2	2.1	-2.1
7/21/2009	4.0	4857.5			2.3	4860.4			0.8	4862.1	2.3	-2.3
7/29/2009	3.9	4857.6			2.1	4860.6			0.8	4862.2	2.3	-2.3
8/4/2009	4.8	4856.7			3.3	4859.4			0.5	4862.4	2.1	-2.1
8/16/2009	5.3	4856.3			3.6	4859.1			0.7	4862.2	2.3	-2.3
8/21/2009	5.6	4855.9			4.0	4858.6			0.8	4862.2	2.5	-2.5
8/28/2009	5.8	4855.7			4.4	4858.2			0.9	4862.0	2.7	-2.7
8/31/2009	5.9	4855.6			5.2	4857.5			1.0	4861.9	2.9	-2.9
9/2/2009	6.2	4855.4			5.4	4857.2			1.0	4861.9	2.9	-2.9
9/9/2009	6.3	4855.2			5.8	4856.9			1.1	4861.8	2.9	-2.9
9/14/2009	6.6	4854.9			6.0	4856.6			1.2	4861.7	3.0	-3.0
9/23/2009	6.8	4854.7			6.4	4856.2			1.2	4861.7	3.1	-3.1
9/29/2009	7.0	4854.5			6.6	4856.1			1.3	4861.7	3.2	-3.2
10/5/2009	7.3	4854.2			6.7	4856.0			1.3	4861.7	3.3	-3.3
10/13/2009	7.5	4854.0			6.8	4855.8			1.3	4861.7	3.3	-3.3
10/19/2009	7.6	4853.9			7.0	4855.6			1.3	4861.6	3.4	-3.4
10/27/2009	7.6	4853.9			7.3	4855.4			1.4	4861.5	3.6	-3.6
11/3/2009	7.6	4853.9			7.5	4855.1			1.6	4861.3	3.9	-3.9
11/11/2009	7.7	4853.9			7.8	4854.9			1.8	4861.1	4.3	-4.3
11/19/2009	7.8	4853.7			7.9	4854.7			2.1	4860.8	4.5	-4.5
11/23/2009	7.9	4853.6			8.1	4854.6			2.4	4860.5	4.9	-4.9
12/3/2009	8.1	4853.4			8.3	4854.4			2.7	4860.2	5.3	-5.3
12/8/2009	8.2	4853.4			8.4	4854.2			2.8	4860.1	5.4	-5.4
12/16/2009	8.3	4853.3			8.5	4854.1			2.9	4860.0	5.6	-5.6
12/21/2009	8.3	4853.2			8.6	4854.1			3.1	4859.8	5.8	-5.8
1/6/2010	8.4	4853.1			8.5	4854.1			3.0	4859.9	5.8	-5.8
1/12/2010	8.3	4853.3			8.6	4854.1			3.0	4859.9	5.8	-5.8
2/10/2010	8.3	4853.2			8.7	4854.0			3.1	4859.8	5.9	-5.9
3/17/2010	8.5	4853.0			8.8	4853.8			6.1	4856.8	6.3	-6.3
4/6/2010	8.3	4853.2			8.3	4854.3			5.8	4857.1	6.3	-6.3
5/19/2010	8.1	4853.4			7.8	4854.8			5.6	4857.3	5.8	-5.8
6/22/2010	7.5	4854.0			7.6	4855.1			5.3	4857.7	5.4	-5.4
7/14/2010	7.7	4853.9			7.5	4855.1			5.3	4857.7	5.6	-5.6
8/18/2010	7.8	4853.7			7.7	4855.0			5.4	4857.5	5.6	-5.6
9/14/2010	8.3	4853.3			7.9	4854.7			5.6	4857.3	5.7	-5.7
10/20/2010	8.6	4852.9			8.3	4854.3			5.8	4857.1	6.2	-6.2
11/17/2010	8.9	4852.6			8.7	4854.0			6.2	4856.7	6.4	-6.4
12/15/2010	8.7	4852.9			9.0	4853.6			5.7	4857.2	6.0	-6.0
1/19/2011	9.2	4852.4			8.7	4854.0			5.8	4857.1	6.3	-6.3
2/16/2011	8.9	4852.6			8.9	4853.7			5.2	4857.7	5.5	-5.5
3/22/2011	8.8	4852.7			9.1	4853.6			4.9	4858.0	5.1	-5.1
4/13/2011	8.8	4852.8			9.3	4853.3			3.5	4859.4	4.5	-4.5
5/18/2011	8.9	4852.6			9.6	4853.1			3.0	4859.9	4.1	-4.1
6/22/2011					9.8	4852.9			2.3	4860.6	3.9	-3.9
6/27/2011					9.1	4853.6			2.2	4860.7	3.8	-3.8
7/5/2011					9.0	4853.6			2.1	4860.8	3.6	-3.6
7/14/2011					9.0	4853.6			1.8	4861.2	3.3	-3.3
7/18/2011					8.9	4853.7			1.7	4861.2	3.2	-3.2
8/3/2011	8.3	4853.2	8.2	4854.9	8.8	4853.9			1.5	4861.4	3.0	-3.0
8/10/2011	8.2	4853.4	7.8	4855.3	8.7	4854.0			1.4	4861.5	2.8	-2.8
8/18/2011	8.4	4853.1	8.3	4854.8	9.1	4853.6			1.6	4861.3	3.1	-3.1
8/24/2011	8.8	4852.7	8.5	4854.6	9.5	4853.1			1.8	4861.1	3.3	-3.3
8/30/2011	8.8	4852.8	8.5	4854.6	9.5	4853.1			1.8	4861.2	3.2	-3.2
9/7/2011	9.1	4852.4	9.2	4853.9	9.4	4853.2			1.7	4861.2	3.1	-3.1
9/16/2011	9.6	4851.9	9.5	4853.6	10.1	4852.6			1.6	4861.3	2.9	-2.9
9/20/2011	9.8	4851.8	9.9	4853.1	9.9	4852.7			1.5	4861.4	3.0	-3.0
9/28/2011	10.1	4851.4	10.1	4853.0	9.8	4852.8			1.6	4861.3	3.1	-3.1
10/7/2011	10.6	4850.9	13.5	4849.6	9.7	4853.0			1.6	4861.3	3.3	-3.3
10/11/2011	10.8	4850.7	15.6	4847.5	8.9	4853.7			1.4	4861.5	2.8	-2.8
10/20/2011	11.3	4850.3	17.8	4845.3	8.8	4853.8			1.7	4861.2	2.9	-2.9
10/26/2011	11.4	4850.1	17.8	4845.2	9.2	4853.5			1.9	4861.0	3.3	-3.3
11/14/2011	11.5	4850.0	17.8	4845.3	9.6	4853.1			1.8	4861.1	3.7	-3.7
11/10/2011	11.6	4849.9	17.8	4845.2	10.1	4852.6			2.0	4860.9	4.0	-4.0
11/17/2011	11.6	4849.9	18.0	4845.1	10.1	4852.6			2.5	4860.4	4.8	-4.8
11/23/2011	11.5	4850.0	18.3	4844.8	10.7	4852.0			2.9	4860.0	5.3	-5.3
12/1/2011	11.4	4850.1	18.4	4844.6	11.4	4851.2			3.2	4859.7	5.7	-5.7
12/8/2011	11.4	4850.1	18.6	4844.5	11.7	4851.0			3.3	4859.6	5.8	-5.8
12/14/2011	11.3	4850.2	18.7	4844.4	11.9	4850.7			3.6	4859.3	6.0	-6.0
12/20/2011	11.4	4850.1	18.8	4844.3	11.9	4850.7			3.6	4859.3	6.2	-6.2
12/29/2011	11.4	4850.1	18.8	4844.2	12.0	4850.6			3.7	4859.2	6.4	-6.4
1/5/2012	11.5	4850.0	19.0	4844.1	12.1	4850.6			3.7	4859.2	6.8	-6.8

McGrane Water Engineering, LLC

1669 Apple Valley Rd. • Lyons, CO 80540 • Phone: (303) 917-1247

E-Mail: dennis@mcgranewater.com Web: <http://www.mcgranewaterengineering.com>

Rankin Wells (4 of 6)												
Well ID:	R1		R2		R3		R4		R5		R6	
Elevation	4861.53	--	4863.05	--	4862.64	--	4861.76	--	4862.91	--	0	--
Date Sampled	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation
1/13/2012	11.6	4849.9	19.0	4844.1	12.1	4850.6			4.3	4858.6	6.8	-6.8
1/17/2012	11.7	4849.9	19.1	4844.0	12.1	4850.6			4.4	4858.5	7.0	-7.0
1/27/2012	11.7	4849.9	19.0	4844.1	12.2	4850.5			4.5	4858.4	7.2	-7.2
1/31/2012	11.7	4849.9	19.1	4844.0	12.3	4850.4			4.6	4858.3	7.3	-7.3
2/9/2012	11.8	4849.8	19.2	4843.9	12.5	4850.1			4.9	4858.0	7.6	-7.6
2/14/2012	11.9	4849.6	19.3	4843.8	12.6	4850.1			5.1	4857.8	7.8	-7.8
2/21/2012	11.8	4849.8	19.3	4843.7	12.7	4850.0			5.2	4857.7	8.0	-8.0
2/28/2012	11.8	4849.8	19.3	4843.7	12.8	4849.9			5.3	4857.7	8.1	-8.1
3/6/2012	11.7	4849.9	19.3	4843.8	12.7	4850.0			5.5	4857.4	8.1	-8.1
3/13/2012	11.6	4849.9	19.3	4843.7	12.7	4850.0			6.0	4856.9	8.2	-8.2
3/22/2012	11.5	4850.0	19.3	4843.8	12.8	4849.9			6.3	4856.7	8.3	-8.3
3/29/2012	11.4	4850.1	19.2	4843.9	12.8	4849.8			6.6	4856.3	8.3	-8.3
4/4/2012	11.4	4850.1	19.2	4843.9	12.7	4850.0			4.6	4858.3	8.2	-8.2
4/9/2012	11.3	4850.3	19.1	4844.0	12.6	4850.1			4.7	4858.2	8.0	-8.0
4/17/2012	11.1	4850.4	18.8	4844.2	11.6	4851.1			4.2	4858.7	7.3	-7.3
4/23/2012	11.0	4850.5	18.8	4844.2	10.5	4852.1			3.8	4859.1	5.9	-5.9
5/2/2012	10.8	4850.7	18.7	4844.4	10.4	4852.2			3.3	4859.6	5.5	-5.5
5/9/2012	10.6	4850.9	18.5	4844.6	10.3	4852.4			2.9	4860.0	5.2	-5.2
5/17/2012	10.4	4851.1	18.3	4844.7	10.2	4852.5			2.7	4860.2	4.9	-4.9
5/21/2012	10.3	4851.2	18.2	4844.9	10.0	4852.6			2.4	4860.5	4.7	-4.7
5/31/2012	10.4	4851.1	18.2	4844.9	9.5	4853.1			2.4	4860.5	4.3	-4.3
6/6/2012	10.2	4851.4	17.5	4845.6	10.0	4852.6			2.3	4860.6	4.5	-4.5
6/13/2012	10.1	4851.4	17.3	4845.7	9.8	4852.8			2.3	4860.7	5.2	-5.2
6/21/2012	10.0	4851.5	17.3	4845.8	9.8	4852.8			3.6	4859.3	4.7	-4.7
6/27/2012	10.1	4851.4	17.3	4845.7	10.2	4852.5			2.2	4860.7	4.4	-4.4
7/4/2012	10.2	4851.4	17.1	4846.0	9.8	4852.8					4.3	-4.3
7/10/2012	10.2	4851.4	16.9	4846.1	9.7	4853.0					4.3	-4.3
7/19/2012	10.1	4851.4	16.7	4846.4	9.5	4853.1					4.2	-4.2
7/24/2012	10.2	4851.4	16.9	4846.1	9.7	4853.0			1.9	4861.0	4.3	-4.3
8/2/2012	10.3	4851.3	17.2	4845.9	9.9	4852.7			2.1	4860.8	4.3	-4.3
8/10/2012	10.3	4851.2	17.3	4845.7	10.0	4852.6			2.1	4860.8	4.4	-4.4
8/14/2012	10.4	4851.1	17.6	4845.5	10.3	4852.4			2.2	4860.7	4.5	-4.5
8/22/2012	10.5	4851.0	17.7	4845.4	10.5	4852.1			2.3	4860.7	4.6	-4.6
8/29/2012	10.6	4850.9	17.8	4845.2	10.7	4852.0			2.3	4860.6	4.8	-4.8
9/6/2012	10.7	4850.9	17.9	4845.1	10.7	4852.0			2.4	4860.5	4.8	-4.8
9/11/2012	10.8	4850.7	18.0	4845.1	10.8	4851.9			2.4	4860.5	4.8	-4.8
9/20/2012	10.8	4850.8	18.1	4845.0	10.7	4852.0			2.4	4860.5	4.8	-4.8
9/24/2012	10.7	4850.9	18.0	4845.1	10.8	4851.9			2.3	4860.6	4.8	-4.8
10/4/2012	10.7	4850.9	18.1	4845.0	10.7	4852.0			2.4	4860.5	4.9	-4.9
10/8/2012	10.8	4850.8	18.1	4845.0	10.8	4851.9			2.6	4860.3	4.9	-4.9
10/16/2012	10.8	4850.7	18.3	4844.8	10.7	4852.0			2.8	4860.2	5.0	-5.0
10/24/2012	11.0	4850.5	18.3	4844.7	10.8	4851.8			2.6	4860.3	5.2	-5.2
11/1/2012	11.3	4850.3	18.4	4844.6	11.1	4851.6			2.8	4860.2	5.4	-5.4
11/7/2012	11.5	4850.0	18.6	4844.5	11.3	4851.4			3.0	4859.9	5.6	-5.6
11/14/2012	11.7	4849.9	18.7	4844.4	11.4	4851.2			3.1	4859.8	5.8	-5.8
11/23/2012	11.9	4849.6	18.8	4844.2	11.7	4851.0			3.3	4859.7	6.3	-6.3
11/29/2012	12.3	4849.3	19.0	4844.1	12.3	4850.3			4.0	4858.9	6.8	-6.8
12/6/2012	12.3	4849.2	19.1	4844.0	12.7	4850.0			4.5	4858.4	7.3	-7.3
12/12/2012	12.4	4849.1	19.3	4843.8	12.9	4849.7			4.8	4858.2	7.6	-7.6
12/18/2012	12.5	4849.0	19.4	4843.6	13.3	4849.4			4.9	4858.0	7.9	-7.9
12/27/2012	12.3	4849.2	19.6	4843.5	13.3	4849.3			5.1	4857.8	8.1	-8.1
1/3/2013	12.4	4849.1	19.7	4843.4	13.5	4849.1			5.3	4857.6	8.4	-8.4
1/11/2013	12.5	4849.0	19.8	4843.2	13.7	4849.0			5.5	4857.4	8.8	-8.8
1/17/2013	12.6	4848.9	19.5	4843.6	13.1	4849.6			5.6	4857.3	8.5	-8.5
1/22/2013	12.7	4848.9	19.5	4843.6	13.1	4849.6			5.6	4857.3	8.5	-8.5
1/30/2013	12.8	4848.7	19.4	4843.6	12.8	4849.8			5.7	4857.2	8.4	-8.4
2/6/2013	12.9	4848.6	19.5	4843.6	12.7	4850.0			5.7	4857.2	8.3	-8.3
2/12/2013	12.8	4848.7	19.4	4843.6	12.5	4850.1			5.5	4857.4	8.3	-8.3
2/21/2013	12.9	4848.6	19.3	4843.7	12.5	4850.1			5.5	4857.4	8.3	-8.3
2/27/2013	13.0	4848.5	19.3	4843.7	12.3	4850.3			5.6	4857.3	8.3	-8.3
3/4/2013	12.9	4848.6	19.4	4843.6	12.3	4850.4			5.6	4857.3	8.3	-8.3
3/13/2013	12.9	4848.6	19.5	4843.6	12.2	4850.5			5.5	4857.4	8.2	-8.2
3/22/2013	12.9	4848.6	19.4	4843.6	12.1	4850.6			5.6	4857.3	8.1	-8.1
3/26/2013	12.8	4848.7	19.4	4843.6	12.0	4850.6			5.5	4857.4	8.0	-8.0
4/2/2013	12.9	4848.6	19.5	4843.6	11.9	4850.7			5.6	4857.3	7.9	-7.9
4/12/2013	12.8	4848.7	19.5	4843.6	11.8	4850.8			5.5	4857.4	7.8	-7.8
4/17/2013	12.6	4848.9	19.3	4843.8	11.8	4850.9			5.4	4857.5	7.7	-7.7
4/25/2013	12.3	4849.2	19.1	4844.0	11.8	4850.8			5.2	4857.7	7.8	-7.8
5/1/2013	12.1	4849.4	18.8	4844.2	11.9	4850.7			5.1	4857.8	7.9	-7.9
5/9/2013	12.0	4849.5	18.7	4844.4	11.8	4850.8			5.0	4857.9	8.1	-8.1
5/14/2013	11.8	4849.7	18.8	4844.3	11.8	4850.9			4.8	4858.1	8.2	-8.2
5/22/2013	11.8	4849.8	18.7	4844.4	11.9	4850.7			4.8	4858.2	8.3	-8.3
5/30/2013	11.3	4850.2	18.3	4844.7	12.1	4850.6			4.3	4858.6	8.6	-8.6
6/7/2013	11.2	4850.4	18.2	4844.9	12.4	4850.2			4.2	4858.7	9.3	-9.3
6/14/2013	10.8	4850.8	17.9	4845.1	12.9	4849.7			4.0	4858.9	10.0	-10.0
6/19/2013	10.8	4850.8	17.8	4845.3	13.1	4849.6			4.1	4858.8	10.5	-10.5

McGrane Water Engineering, LLC

1669 Apple Valley Rd. • Lyons, CO 80540 • Phone: (303) 917-1247

E-Mail: dennis@mcgranewater.com Web: <http://www.mcgranewaterengineering.com>

Rankin Wells (5 of 6)												
Well ID:	R1		R2		R3		R4		R5		R6	
Elevation	4861.53	--	4863.05	--	4862.64	--	4861.76	--	4862.91	--	0	--
Date Sampled	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation
6/25/2013	10.6	4850.9	17.5	4845.6	13.3	4849.4			4.1	4858.8	10.6	-10.6
7/3/2013	10.4	4851.1	17.4	4845.6	13.3	4849.3			4.2	4858.7	10.8	-10.8
7/11/2013	10.1	4851.4	17.5	4845.6	13.4	4849.2			4.1	4858.8	10.8	-10.8
7/15/2013	9.9	4851.6	17.3	4845.8	13.6	4849.1			4.0	4858.9	11.1	-11.1
7/23/2013	9.8	4851.7	17.3	4845.8	13.8	4848.9			4.1	4858.8	10.8	-10.8
7/30/2013	9.9	4851.6	17.3	4845.7	13.8	4848.8			4.2	4858.7	11.0	-11.0
8/8/2013	10.0	4851.5	17.4	4845.6	13.8	4848.9			4.1	4858.8	11.1	-11.1
8/14/2013	9.9	4851.6	17.3	4845.7	13.7	4849.0			4.3	4858.7	11.3	-11.3
8/22/2013	10.0	4851.5	17.4	4845.6	13.8	4848.8			4.2	4858.7	11.2	-11.2
8/27/2013	10.1	4851.4	17.5	4845.6	14.0	4848.6			4.3	4858.7	11.2	-11.2
9/3/2013	10.0	4851.5	17.4	4845.6	14.2	4848.5			4.3	4858.6	11.3	-11.3
9/11/2013	9.9	4851.6	17.3	4845.7	14.3	4848.4			4.3	4858.7	11.3	-11.3
9/20/2013												
9/27/2013	6.6	4854.9	7.0	4856.1	9.0	4853.6					7.6	-7.6
10/3/2013	6.7	4854.9	7.1	4856.0	9.1	4853.6					7.7	-7.7
10/8/2013	6.8	4854.8	7.3	4855.8	9.2	4853.5					7.7	-7.7
10/16/2013	6.8	4854.7	7.2	4855.9	9.3	4853.4					7.6	-7.6
10/23/2013	6.9	4854.6	7.0	4856.1	9.3	4853.4					7.7	-7.7
10/29/2013	6.8	4854.7	7.0	4856.1	9.3	4853.3					7.8	-7.8
11/4/2013	6.9	4854.6	7.1	4856.0	9.5	4853.1					7.9	-7.9
11/13/2013	7.1	4854.4	7.3	4855.8	9.5	4853.1					7.9	-7.9
11/19/2013	7.0	4854.5	7.2	4855.9	9.6	4853.1					8.0	-8.0
11/27/2013	7.1	4854.4	7.3	4855.8	9.7	4853.0					8.1	-8.1
12/4/2013	7.1	4854.4	7.3	4855.7	9.7	4853.0					8.1	-8.1
12/12/2013	7.1	4854.4	7.3	4855.8	9.8	4852.9					8.2	-8.2
12/18/2013	7.2	4854.4	7.3	4855.7	9.8	4852.9					8.3	-8.3
12/23/2013	7.2	4854.4	7.4	4855.6	9.7	4853.0					8.4	-8.4
1/2/2014	7.4	4854.1	7.6	4855.5	9.8	4852.8					8.3	-8.3
1/7/2014			7.5	4855.6	10.1	4852.6					8.4	-8.4
1/15/2014	8.0	4853.5	8.1	4855.0	10.6	4852.1					8.5	-8.5
1/22/2014	8.3	4853.2	8.8	4854.3	11.1	4851.6					8.3	-8.3
1/28/2014	8.5	4853.0	9.1	4854.0	11.5	4851.1					8.4	-8.4
2/5/2014	8.8	4852.8	9.6	4853.5	11.8	4850.9					8.6	-8.6
2/12/2014	8.9	4852.6	10.0	4853.1	11.6	4851.1					8.4	-8.4
2/21/2014	9.1	4852.4	10.3	4852.7	11.7	4851.0					8.4	-8.4
2/25/2014	9.2	4852.4	11.3	4851.8	11.7	4851.0					8.5	-8.5
3/4/2014	9.3	4852.3	11.7	4851.4	11.8	4850.9					8.4	-8.4
3/13/2014	9.3	4852.2	12.2	4850.9	11.7	4851.0					8.3	-8.3
3/19/2014	9.4	4852.1	12.3	4850.7	11.8	4850.9					8.4	-8.4
3/27/2014	9.5	4852.0	12.7	4850.4	11.8	4850.8					8.5	-8.5
4/2/2014	9.4	4852.1	12.8	4850.3	11.8	4850.9					8.3	-8.3
4/8/2014	9.3	4852.2	12.8	4850.3	11.8	4850.8					8.3	-8.3
4/17/2014	9.4	4852.1	12.8	4850.2	11.8	4850.9					8.1	-8.1
4/22/2014	9.3	4852.2	12.8	4850.2	11.7	4851.0					7.9	-7.9
5/1/2014	9.3	4852.3	12.8	4850.3	11.8	4850.9					7.8	-7.8
5/8/2014	9.3	4852.2	12.7	4850.4	11.7	4851.0					7.6	-7.6
5/14/2014	9.4	4852.1	12.8	4850.3	11.6	4851.1					7.4	-7.4
5/22/2014			12.6	4850.5	11.6	4851.1					7.3	-7.3
5/27/2014	9.6	4851.9	12.7	4850.4	11.7	4851.0					7.2	-7.2
6/4/2014	9.5	4852.0	12.8	4850.3	11.8	4850.9					7.0	-7.0
6/10/2014	9.4	4852.1	12.7	4850.4	11.8	4850.8					6.9	-6.9
6/19/2014	9.3	4852.2	12.6	4850.5	11.8	4850.9					6.7	-6.7
6/24/2014	9.3	4852.3	12.7	4850.4	11.7	4851.0					6.6	-6.6
7/3/2014	9.3	4852.2	12.8	4850.3	11.6	4851.1					6.5	-6.5
7/9/2014	9.4	4852.1	12.8	4850.2	11.7	4851.0					6.4	-6.4
7/16/2014	9.3	4852.3	12.9	4850.1	11.8	4850.9					6.5	-6.5
7/23/2014	9.3	4852.2	13.0	4850.1	11.7	4851.0					6.6	-6.6
7/29/2014	9.3	4852.3	13.1	4850.0	11.6	4851.1					6.5	-6.5
8/5/2014	9.2	4852.4	13.2	4849.9	11.5	4851.1					6.4	-6.4
8/14/2014	9.1	4852.4	13.3	4849.8	11.4	4851.2					6.3	-6.3
9/10/2014	9.1	4852.4			11.7	4851.0					6.5	-6.5
10/16/2014	9.0	4852.5			11.6	4851.1					6.4	-6.4
11/12/2014	9.5	4852.0			11.9	4850.7					7.0	-7.0
12/12/2014	9.8	4851.8			12.5	4850.1					7.2	-7.2
1/22/2015	9.8	4851.8			12.6	4850.1					7.3	-7.3
2/18/2015	9.5	4852.0			12.4	4850.2					7.2	-7.2
3/17/2015					12.7	4850.0					7.3	-7.3
4/8/2015	8.7	4852.9			12.3	4850.3					6.8	-6.8
5/20/2015	8.0	4853.5			11.0	4851.6					5.6	-5.6
6/17/2015	7.6	4853.9			10.3	4852.4					5.5	-5.5
7/7/2015	7.5	4854.0			10.1	4852.6					5.6	-5.6
8/19/2015	7.3	4854.3			10.3	4852.3					5.6	-5.6
9/15/2015					10.5	4852.1					6.2	-6.2
10/13/2015					10.8	4851.8					6.8	-6.8
11/17/2015					11.3	4851.3					7.4	-7.4
12/16/2015					11.7	4851.0					7.8	-7.8

McGrane Water Engineering, LLC

1669 Apple Valley Rd. • Lyons, CO 80540 • Phone: (303) 917-1247

E-Mail: dennis@mcgranewater.com Web: <http://www.mcgranewaterengineering.com>

Rankin Wells (6 of 6)												
Well ID:	R1		R2		R3		R4		R5		R6	
Elevation	4861.53	--	4863.05	--	4862.64	--	4861.76	--	4862.91	--	0	--
Date Sampled	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation	Depth to GW	GW Elevation
1/9/2016					11.9	4850.7						
2/17/2016					11.8	4850.9						
3/3/2016					12.4	4850.2						
4/13/2016					12.5	4850.1						
5/10/2016					12.7	4850.0						
6/23/2016					12.5	4850.1						
7/19/2016					13.1	4849.6						
8/24/2016					12.8	4849.9						
9/20/2016					12.4	4850.2						
10/8/2016					12.5	4850.1						
11/16/2016					12.8	4849.9						
12/13/2016					13.0	4849.6						
1/17/2017					13.1	4849.6						
2/15/2017					13.2	4849.5						
4/27/2018	18.2	4843.4										
5/16/2018	18.3	4843.2										
6/12/2018	18.5	4843.0										
7/18/2018	18.4	4843.1										
8/8/2018												
9/20/2018	18.3	4843.3										
10/16/2018	17.9	4843.6										
11/2/2018	17.8	4843.7										
12/11/2018	18.0	4843.5										
1/15/2019	18.2	4843.4										

*All data extracted from 'NCCI Pit No 1 Monitoring Well Reading Update 1-17-19.xls'; elevation data was extracted from USGS 10m DEM.