Table 1
Depth to Water and Water Level Elevations
Tower Standard
Lac du Flambeau, WI

Depth to Water (feet) below Reference Elevation

Date	MW1 (LDF)	MW2 (LDF)	MW3 (LDF)	MW16	MW16@37-42	MW17	MW17@31-36	MW18	MW18@35-40	MW19	MW19@35-40	MW20	MW20@20-25	MW21	MW21@35-40	MW22	MW22@35-40
11/10/2015	6.58	9.10	6.87														
11/11/2015										8.97	9.26	7.63	7.85	7.42	7.81		
11/17/2015				2.02	1.91	8.01	8.44	9.48	9.90							7.19	8.06
4/26/2016	5.58	8.60	5.84	2.10	2.05	8.00	8.64	9.50	11.52	8.45	8.79	7.18	7.39	6.95	7.33	6.99	8.07

Measuring Point Elevations (top of well casing)

Elevations referenced to a U.S.G.S. Benchmark (feet MSL) - provided by others

Top of Casing	1575.57	1577.84	1575.50	1569.20	1569.14	1575.98	1575.99	1577.53	1577.55	1576.61	1576.92	1575.31	1575.53	1575.11	1575.47	1575.98	1576.18
Top of Screen				1574.17	1537.84	1570.94	1537.70	1561.73	1541.98	1569.45	1542.53	1573.01	1556.61	1572.37	1540.31	1571.07	1540.61
Bottom of Screen				1564.17	1532.84	1560.94	1532.70	1551.73	1536.98	1559.45	1537.53	1563.01	1551.61	1562.37	1535.31	1561.07	1535.61
Screen Length				10.00	5.00	10.00	5.00	10.00	5.00	10.00	5.00	10.00	5.00	10.00	5.00	10.00	5.00

Ground Surface Elevation

Initial Survey	1572.66	1578.15	1575.63	1569.60	1569.50	1576.44	1576.26	1575.00	1575.15	1574.15	1574.31	1575.89	1575.87	1575.65	1575.72	1576.60	1576.61

Depth to Water (feet) below Top of Casing

Average	6.58	9.10	6.87	2.02	1.91	8.01	8.44	9.48	9.90	8.97	9.26	7.63	7.85	7.42	7.81	7.19	8.06
Maximum	6.58	9.10	6.87	2.10	2.05	8.01	8.64	9.50	11.52	8.97	9.26	7.63	7.85	7.42	7.81	7.19	8.07
Minimum	5.58	8.60	5.84	2.02	1.91	8.00	8.44	9.48	9.90	8.45	8.79	7.18	7.39	6.95	7.33	6.99	8.06
Range	1.00	0.50	1.03	0.08	0.14	0.01	0.20	0.02	1.62	0.52	0.47	0.45	0.46	0.47	0.48	0.20	0.01

Water Level Elevation (feet MSL)

Date	MW1 (LDF)	MW2 (LDF)	MW3 (LDF)	MW16	MW16@37-42	MW17	MW17@31-36	MW18	MW18@35-40	MW19	MW19@35-40	MW20	MW20@20-25	MW21	MW21@35-40	MW22	MW22@35-40
11/10/2015	1568.99	1568.74	1568.63														
11/11/2015										1567.64	1567.66	1567.68	1567.68	1567.69	1567.66		
11/17/2015				1567.18	1567.23	1567.97	1567.55	1568.05	1567.65							1568.79	1568.12
4/26/2016	1569.99	1569.24	1569.66	1567.10	1567.09	1567.98	1567.35	1568.03	1566.03	1568.16	1568.13	1568.13	1568.14	1568.16	1568.14	1568.99	1568.11

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Table 2
Vertical Gradient Documentation
Tower Standard
Lac du Flambeau, WI

	Piezometer Depth	Water Level Elevation	Elevation Difference	Vertical Difference	Vertical Gradient ft/ft (+/-)
April 26, 2016					
MW16		1,567.10	0.01	31.76	-0.0003
MW16@37-42	42'	1567.09			
MW17		1567.98	0.63	32.78	-0.0192
MW17@31-36	36'	1567.35			
MW18		1568.03	2.00	28.55	-0.0701
MW18@35-40	40'	1566.03			
MW19		1568.16	0.03	28.13	-0.0011
MW19@35-40	40'	1568.13			
MW20		1568.13	-0.01	14.03	0.0007
MW20@20-25	25'	1568.14			
MW21		1568.16	0.02	30.33	-0.0007
MW21@35-40	40'	1568.14			
MW22		1568.99	0.88	30.88	-0.0285
MW22@35-40	40'	1568.11			

Piezometer midpoint calculated from center of well screen

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