MILL CREEK DOLOMITE, LLC
9915 West Amos Conley Road
Mill Creek, Oklahoma 74856
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RECEIVED
MAR 04 2014
Oklahoma Water Resources Board

2/27/2014

Kent Wilkins, Assistant Chief
Planning and Management Division
State of Oklahoma
Water Resources Board
3800 N. Classen Boulevard
Oklahoma City, OK 73118

RE: Consumptive Use of Pit Water, Annual Report 2013

Dear Mr. Wilkins:

As required under **Oklahoma Statue §82-1020.2 (E)(1) and Oklahoma Administrative Code 785:30-15,** Mill Creek Dolomite is submitting a water report for the calendar year 2013.

If you have any question or require additional information, please do not hesitate to contact me.

Sincerely,

Jose Ontiveros

Engineering Manager
Mill Creek Dolomite, LLC

Attachment: Annual Report 2013.

CONSUMPTIVE USE REPORT
ANNUAL SUMMARY
MILL CREEK DOLOMITE, LLC

TABLE 1: Estimated Consumptive Use of Pit Water

	PIT GROUNDWATER VOLUME	VALUES	
1	Total volume of water pumped from the producing mine pit(s)	61,423,295	
2	Volume of precipitation that falls onto the surface of water in the producing mining pits(s)	576,444	
3	Portion of total precipitation that flows over the land surface that drains into the mine pit water	0	
4	Other non-pit waters pumped from the producing mine pit	0	
5	Add lines 2 through 4	576,444	
6	**Pit Ground Water Volume** (Line 1 minus Line 5)	60,846,851	
	DEFINED ELEMENTS OF CONSUMPTIVE USE		
7	Volume of pit groundwater that is driven off (by drying) the mined material transported of the mine site	1,203,106	
8	Volume of pit groundwater that is carried away with the mined material transported off the mining site (shipped)	0	
9	Volume of pit groundwater that evaporates from the producing mine pit, process water ponds, and lined ponds (Excluding structures used for augmentation)	2,582,987	
10	Volume of pit groundwater that is used for other beneficial uses off the mine site	740,870.0	
11	**Defined Elements of Consumptive Use of Pit Groundwater** (Add Lines 7 through 10)	4,526,963	
	PIT GROUNDWATER BALANCE		
12	Line 6 minus Line 11	56,319,888	
13	**Groundwater Augmentation:** Volume of pit groundwater returned to the groundwater basin or subbasin, pursuant to a Management Plan	CREDITS	0
14	**Stream Augmentation:** Volume of pit groundwater discharged to a definite stream, during flow conditions that are less than or equal to 50% exceedance, pursuant to a Management Plan	CREDITS	0
15	**Precipitation & Run-off** Volume of precipitation and surface run-off into a recharge pit of holding pond used for augmentation	CREDITS	0
16	**Recycled Pit Groundwater** Volume of pit groundwater returned to a mine pit or holding basin (not included on line 7 through 10)	0	
17	**Other Non-Consumptive Losses** Including pit groundwater returned to the land surface from which surface runoff flows into a mine pit, and other losses (not included in line 7 through 10)	0	
18	Add lines 13 through 17)	0	
19	**Other Consumptive Use (adjusted) (Line 12 minus Line 18)**	**56,319,888**	
	TOTAL REPORTED CONSUMPTIVE USE OF OF PIT		
20	Total Net Reported Consumptive Use: (Line 11 plus Line 19)	**60,846,851**	

CONSUMPTIVE USE REPORT

1ST QUARTER, 2013

MILL CREEK DOLOMITE, LLC

MILL CREEK MINE & MILL

TABLE 1: Estimated Consumptive Use of Pit Water

	PIT GROUNDWATER VOLUME	VALUES (Gal)
1	Total volume of water pumped from the producing mine pit(s)	9,272,786
2	Volume of precipitation that falls onto the surface of water in the producing mining pits(s)	100,596
3	Portion of total precipitation that flows over the land surface that drains into the mine pit water	0
4	Other non-pit waters pumped from the producing mine pit	0
5	Add lines 2 through 4	100,596
6	**Pit Ground Water Volume (Line 1 minus Line 5)**	9,172,190
	DEFINED ELEMENTS OF CONSUMPTIVE USE	
7	Volume of pit groundwater that is driven off (by drying) the mined material transported off the mine site	280,969
8	Volume of pit groundwater that is carried away with the mined material transported off the mining site (shipped)	0
9	Volume of pit groundwater that evaporates from the producing mine pit, process water ponds, and lined ponds (Excluding structures used for augmentation)	410,177
10	Volume of pit groundwater that is used for other beneficial uses off the mine site	
11	**Defined Elements of Consumptive Use of Pit Groundwater (Add Lines 7 through 10)**	691,146
	PIT GROUNDWATER BALANCE	
12	Line 6 minus Line 11	8,481,044
13	**Groundwater Augmentation:** Volume of pit groundwater returned to the groundwater basin or subbasin, pursuant to a Management Plan	CREDITS
14	**Stream Augmentation:** Volume of pit groundwater discharged to a definite stream, during flow conditions that are less than or equal to 50% exceedance, pursuant to a Management Plan	
15	**Precipitation & Run-off** Volume of precipitation and surface run-off into a recharge pit or holding pond used for augmentation	
16	**Recycled Pit Groundwater** Volume of pit groundwater returned to a mine pit or holding basin (not included on line 7 through 10)	
17	**Other Non-Consumptive Losses** Including pit groundwater returned to the land surface from which surface runoff flows into a mine pit, and other losses (not included in line 7 through 10)	
18	Add lines 13 through 17)	0
19	**Other Consumptive Use (adjusted) (Line 12 minus Line 18)**	8,481,044
	TOTAL REPORTED CONSUMPTIVE USE OF OF PIT	
	Total Net Reported Consumptive Use: (Line 11 plus Line 19)	9,172,190

CONSUMPTIVE USE REPORT

2ND QUARTER, 2013

MILL CREEK DOLOMITE, LLC

MILL CREEK MINE & MILL

TABLE 1: Estimated Consumptive Use of Pit Water

	PIT GROUNDWATER VOLUME	VALUES	
1	Total volume of water pumped from the producing mine pit(s)	21,493,929	
2	Volume of precipitation that falls onto the surface of water in the producing mining pits(s)	226,342	
3	Portion of total precipitation that flows over the land surface that drains into the mine pit water	0	
4	Other non-pit waters pumped from the producing mine pit	0	
5	Add lines 2 through 4	226,342	
6	**Pit Ground Water Volume** (Line 1 minus Line 5)	21,267,587	
	DEFINED ELEMENTS OF CONSUMPTIVE USE		
7	Volume of pit groundwater that is driven off (by drying) the mined material transported off the mine site	347,972	
8	Volume of pit groundwater that is carried away with the mined material transported off the mining site (shipped)	0	
9	Volume of pit groundwater that evaporates from the producing mine pit, process water ponds, and lined ponds (Excluding structures used for augmentation)	819,978	
10	Volume of pit groundwater that is used for other beneficial uses off the mine site	388,744	
11	**Defined Elements of Consumptive Use of Pit Groundwater** (Add Lines 7 through 10)	1,556,694	
	PIT GROUNDWATER BALANCE		
12	Line 6 minus Line 11	19,710,893	
13	**Groundwater Augmentation:** Volume of pit groundwater returned to the groundwater basin or subbasin, pursuant to a Management Plan	CREDITS	0
14	**Stream Augmentation:** Volume of pit groundwater discharged to a definite stream, during flow conditions that are less than or equal to 50% exceedance, pursuant to a Management Plan	CREDITS	0
15	**Precipitation & Run-off** Volume of precipitation and surface run-off into a recharge pit of holding pond used for augmentation	CREDITS	0
16	**Recycled Pit Groundwater** Volume of pit groundwater returned to a mine pit or holding basin (not included on line 7 through 10)	0	
17	**Other Non-Consumptive Losses** Including pit groundwater returned to the land surface from which surface runoff flows into a mine pit, and other losses (not included in line 7 through 10)	0	
18	Add lines 13 through 17)	0	
19	**Other Consumptive Use (adjusted) (Line 12 minus Line 18)**	19,710,893	
	TOTAL REPORTED CONSUMPTIVE USE OF OF PIT		
20	Total Net Reported Consumptive Use: (Line 11 plus Line 19)	21,267,587	

TABLE 1: Estimated Consumptive Use of Pit Water

	PIT GROUNDWATER VOLUME	VALUES
1	Total volume of water pumped from the producing mine pit(s)	13,946,194
2	Volume of precipitation that falls onto the surface of water in the producing mining pits(s)	101,920
3	Portion of total precipitation that flows over the land surface that drains into the mine pit water	0
4	Other non-pit waters pumped from the producing mine pit	0
5	Add lines 2 through 4	101,920
6	**Pit Ground Water Volume** (Line 1 minus Line 5)	13,844,274
	DEFINED ELEMENTS OF CONSUMPTIVE USE	
7	Volume of pit groundwater that is driven off (by drying) the mined material transported of the mine site	302,304
8	Volume of pit groundwater that is carried away with the mined material transported off the mining site (shipped)	0
9	Volume of pit groundwater that evaporates from the producing mine pit, process water ponds, and lined ponds (Excluding structures used for augmentation)	965,986
10	Volume of pit groundwater that is used for other beneficial uses off the mine site	278,438
11	**Defined Elements of Consumptive Use of Pit Groundwater** (Add Lines 7 through 10)	1,546,728
	PIT GROUNDWATER BALANCE	
12	Line 6 minus Line 11	12,297,546
13	**Groundwater Augmentation:** Volume of pit groundwater returned to the groundwater basin or subbasin, pursuant to a Management Plan	CREDITS 0
14	**Stream Augmentation:** Volume of pit groundwater discharged to a definite stream, during flow conditions that are less than or equal to 50% exceedance, pursuant to a Management Plan	CREDITS 0
15	**Precipitation & Run-off** Volume of precipitation and surface run-off into a recharge pit of holding pond used for augmentation	CREDITS 0
16	**Recycled Pit Groundwater** Volume of pit groundwater returned to a mine pit or holding basin (not included on line 7 through 10)	0
17	**Other Non-Consumptive Losses** Including pit groundwater returned to the land surface from which surface runoff flows into a mine pit, and other losses (not included in line 7 through 10)	0
18	Add lines 13 through 17)	0
19	**Other Consumptive Use (adjusted) (Line 12 minus Line 18)**	12,297,546
	TOTAL REPORTED CONSUMPTIVE USE OF OF PIT	
20	Total Net Reported Consumptive Use: (Line 11 plus Line 19)	13,844,274

TABLE 1: Estimated Consumptive Use of Pit Water

	PIT GROUNDWATER VOLUME	VALUES
1	Total volume of water pumped from the producing mine pit(s)	16,710,386
2	Volume of precipitation that falls onto the surface of water in the producing mining pits(s)	147,586
3	Portion of total precipitation that flows over the land surface that drains into the mine pit water	0
4	Other non-pit waters pumped from the producing mine pit	0
5	Add lines 2 through 4	147,586
6	**Pit Ground Water Volume** (Line 1 minus Line 5)	16,562,800
	DEFINED ELEMENTS OF CONSUMPTIVE USE	
7	Volume of pit groundwater that is driven off (by drying) the mined material transported of the mine site	271,861
8	Volume of pit groundwater that is carried away with the mined material transported off the mining site (shipped)	0
9	Volume of pit groundwater that evaporates from the producing mine pit, process water ponds, and lined ponds (Excluding structures used for augmentation)	386,846
10	Volume of pit groundwater that is used for other beneficial uses off the mine site	73,688
11	**Defined Elements of Consumptive Use of Pit Groundwater** (Add Lines 7 through 10)	732,395
	PIT GROUNDWATER BALANCE	
12	Line 6 minus Line 11	15,830,405
13	**Groundwater Augmentation:** Volume of pit groundwater returned to the groundwater basin or subbasin, pursuant to a Management Plan	CREDITS 0
14	**Stream Augmentation:** Volume of pit groundwater discharged to a definite stream, during flow conditions that are less than or equal to 50% exceedance, pursuant to a Management Plan	CREDITS 0
15	**Precipitation & Run-off** Volume of precipitation and surface run-off into a recharge pit of holding pond used for augmentation	CREDITS 0
16	**Recycled Pit Groundwater** Volume of pit groundwater returned to a mine pit or holding basin (not included on line 7 through 10)	0
17	**Other Non-Consumptive Losses** Including pit groundwater returned to the land surface from which surface runoff flows into a mine pit, and other losses (not included in line 7 through 10)	0
18	Add lines 13 through 17)	0
19	**Other Consumptive Use (adjusted) (Line 12 minus Line 18)**	15,830,405
	TOTAL REPORTED CONSUMPTIVE USE OF OF PIT	
20	Total Net Reported Consumptive Use: (Line 11 plus Line 19)	16,562,800

PIT WATER MONITORING DATA
MILL CREEK DOLOMITE, LLC

SUMP SURFACE AREA DATA:

SUMP A (FT²)	12925	SUMP B (FT2)	8307
PUMP A (GPM)	300	PUMP B (GPM)	200

		PU-19 QA		PU-18 QB		PIT WATER PUMPED			PIT RAIN WATER					
DATE	WK	Meter Reading	HRS. RAN	Meter Reading	HRS. RAN	QA GPD	QB GPD	Grand Total	RAIN FALL	VOLUME QA	GALLONS QA	VOLUME QB	GALLONS QB	TOTAL GALLONS
12/31/12	0	4180.0	31.0	10098	7.0									
1/7/13	1	4192.0	12.0	10098	0.0	30857	0	30857	0	0	0	0	0	0
1/14/13	2	4202	10.0	10120	22.0	25714	37714	63429	1.4	1508	11281	969	7250	18531
1/21/13	3	4214	12.0	10180	60.0	30857	102857	133714	0	0	0	0	0	0
1/28/13	4	4227	13.0	10205	25.0	33429	42857	76286	1.3	1400	10475	900	6732	17207
Monthly Totals			47.0		107.0	936643	1421571	2358214	2.7	2908	21756	1869	13983	35738
2/4/13	5	4250	23.0	10215	10.0	59143	17143	76286	0	0	0	0	0	0
2/11/13	6	4272	22.0	10252	37.0	56571	63429	120000	0.7	754	5640	485	3625	9265
2/18/13	7	4285	13.0	10381	129.0	33429	221143	254571	0.9	969	7252	623	4661	11913
2/25/13	8	4298	13.0	10440	59.0	33429	101143	134571	1.8	1939	14504	1246	9322	23825
Monthly Totals			71.0		235.0	1278000	2820000	4098000	3.4	3662	27396	2354	17608	45004
3/4/13	9	4336	38.0	10440	0.0	97714	0	97714	0	0	0	0	0	0
3/11/13	10	4382	46.0	10440	0.0	118286	0	118286	0.8	862	6446	554	4143	10589
3/18/13	11	4408	26.0	10442	2.0	66857	3429	70286	0	0	0	0	0	0
3/25/13	12	4438	30.0	10442	0.0	77143	0	77143	0.7	754	5640	485	3625	9265
Monthly Totals			140.0		2.0	2790000	26571	2816571	1.5	1616	12086	1038	7768	19855
1st QUARTER TOTALS			**258.0**		**344.0**	**5004643**	**4268143**	**9272786**	**7.6**	**8185.83**	**61238.22**	**5261.10**	**39358.29**	**100597**
4/1/13	13	4456	18.0	10442	0.0	46286	0	46286	0	0	0	0	0	0
4/8/13	14	4470	14.0	10472	30.0	36000	51429	87429	1.2	1293	9669	831	6214	15884
4/15/13	15	4495	25.0	10584	112.0	64286	192000	256286	0.6	646	4835	415	3107	7942
4/22/13	16	4512	17.0	10600	16.0	43714	27429	71143	0.3	323	2417	208	1554	3971
4/29/13	17	4538	26.0	10645	45.0	66857	77142.857	144000	0	0	0	0	0	0
Monthly Totals			100.0		203.0	1542857	2088000	3630857	2.1	2262	16921	1454	10875	27796
5/6/13	18	4549	11.0	10656	11.0	28286	18857	47143	0	0	0	0	0	0
5/13/13	19	4590	41.0	10670	14.0	105429	24000	129429	0	0	0	0	0	0
5/20/13	20	4640	50.0	10700	30.0	128571	51429	180000	2.5	2693	20144	1731	12947	33091
5/27/13	21	4840	200.0	10819	119.0	514286	204000	718286	6.3	6786	50763	4361	32626	83389
Monthly Totals			302.0		174.0	6018429	2311714	8330143	8.8	9478	70907	6092	45573	116480
6/3/13	22	4888	48.0	10850	31.0	123429	53143	176571	2.5	2693	20144	1731	12947	33091
6/10/13	23	4965	77.0	10957	107.0	198000	183429	381429	2.6	2800	20950	1800	13465	34415
6/17/13	24	50	50.0	11082	125.0	128571	214286	342857	1.1	1185	8863	761	5697	14560
6/24/13	25	76.9	26.9	11217	135.0	69171	231429	300600	0	0	0	0	0	0
Monthly Totals			201.9		398.0	3893786	5117143	9010929	6.2	6678	49957	4292	32108	82066
2nd QUARTER TOTALS			**603.9**		**775.0**	**11455071**	**9516857**	**20971929**	**17.1**	**18418**	**137786**	**11837**	**88556**	**226342**

		PU-19 QA		PU-18 QB		PIT WATER PUMPED			PIT RAIN WATER					
DATE	WK	Meter Reading	HRS. RAN	Meter Reading	HRS. RAN	QA GPD	QB GPD	Grand Total	RAIN FALL	VOLUME QA	GALLONS QA	VOLUME QB	GALLONS QB	TOTAL GALLONS
7/1/13	26	96	19.1	11258	41.0	49114	70286	119400	0	0	0	0	0	0
7/8/13	27	118	22.0	11300	42.0	56571	72000	128571	0	0	0	0	0	0
7/15/13	28	138	20.0	11324	24.0	51429	41143	92571	2.2	2370	17727	1523	11393	29120
7/22/13	29	178	40.0	11395	71.0	102857	121714	224571	3.1	3339	24979	2146	16054	41033
7/29/13	30	266	88.0	11519	124.0	226286	212571	438857	0	0	0	0	0	0
Monthly Totals			189.1		302.0	3014794	3209828.6	6224623	5.3	5709	42706	3669	27447	70153
8/5/13	31	292	26.0	11547	28.0	66857	48000	114857	0	0	0	0	0	0
8/12/13	32	333	41.0	11600	53.0	105429	90857	196286	1	1077	8058	692	5179	13236
8/19/13	33	366	33.0	11660	60.0	84857	102857	187714	0.6	646	4835	415	3107	7942
8/26/13	34	404	38.0	11683	23.0	97714	39429	137143	0	0	0	0	0	0
Monthly Totals			138.0		164.0	2750143	2178857.1	4929000	1.6	1723	12892	1108	8286	21178
9/2/13	35	416	12.0	11695	12.0	30857	20571	51429	0	0	0	0	0	0
9/9/13	36	436	20.0	11715	20.0	51429	34286	85714	0	0	0	0	0	0
9/16/13	37	459	23.0	11740	25.0	59143	42857	102000	0.2	215	1612	138	1036	2647
9/23/13	38	494	35.0	11753	13.0	90000	22286	112286	0.6	646	4835	415	3107	7942
9/30/13	39	525	31.0	11773	20.0	79714	34286	114000	0	0	0	0	0	0
Monthly Totals			121.0		90.0	1866857	925714	2792571	0.8	862	6446	554	4143	10589
3rd QUARTER TOTALS			448		556	7631794	6314400	13946194	7.7	8294	62044	5330	39876	101920
10/7/13	40	563	38.0	11824	51.0	97714	87429	185143	1	1077	8058	692	5179	13236
10/14/13	41	590	27.0	11884	60.0	69429	102857	172286	2.2	2370	17727	1523	11393	29120
10/21/13	42	638	48.0	11910	26.0	123429	44571	168000	0.65	700	5237	450	3366	8604
10/28/13	43	704	66.0	11940	30.0	169714	51429	221143	0.7	754	5640	485	3625	9265
Monthly Totals			179.0		167.0	3567214	2218714	5785929	4.55	4901	36662	3150	23563	60226
11/4/13	44	720	16.0	11958	18.0	41143	30857	72000	0.4	431	3223	277	2071	5295
11/11/13	45	730	10.0	11966	8.0	25714	13714	39429	2.1	2262	16921	1454	10875	27796
11/18/13	46	822	92.0	12035	69.0	236571	118286	354857	0	0	0	0	0	0
11/25/13	47	860	38.0	12082	47.0	97714	80571	178286	0.3	323	2417	208	1554	3971
Monthly Totals			156.0		142.0	3008571	1825714	4834286	2.8	3016	22561	1938	14500	37062
12/2/13	48	900	40.0	12120	38.0	102857	65143	168000	0	0	0	0	0	0
12/9/13	49	950	50.0	12160	40.0	128571	68571	197143	0	0	0	0	0	0
12/16/13	50	992	42.0	12194	34.0	108000	58286	166286	0.8	862	6446	554	4143	10589
12/23/13	51	1050	58.0	12230	36.0	149143	61714	210857	3	3231	24173	2077	15536	39709
12/31/13	52	1114	64.0	12274	44.0	164571	75429	240000	0	0	0	0	0	0
Monthly Totals			254.0		192.0	4049486	2040686	6090171	3.8	4093	30619	2631	19679	50298
4th QUARTER TOTALS			589.0		501.0	10625271	6085114.3	16710386	11.2	12009	89843	7719	57743	147586

PIT WATER MONITORING DATA

MILL CREEK DOLOMITE, LLC

EVAPORATION

Sump A (ft^2)	12,925	Sump B (ft^2)	8,307
Settling A (ft^2)	30,000	Settling B (ft^2)	35,000

JANUARY 2013

Date	Pan Evaporation (in)	Corrected Evaporation Rate (in)	Sump A Evaporation Volume (Ft3)	Sump A Evaporation (Gallons)	Sump B Evaporation Volume (Ft3)	Sump B Evaporation (Gallons)	Settling A Evaporation Volume (Ft3)	Settling A Evaporation (Gallons)	Settling B Evaporation Volume (Ft3)	Settling B Evaporation (Gallons)	Total Evaporation (Gallons)
01/01/13	0.02	0.014	15.08	112.81	9.69	72.50	35.00	261.84	40.83	305.47	752.62
01/02/13	0.04	0.028	30.16	225.61	19.38	145.00	70.00	523.67	81.67	610.95	1505.24
01/03/13	0.05	0.035	37.70	282.02	24.23	181.26	87.50	654.59	102.08	763.69	1881.55
01/04/13	0.04	0.028	30.16	225.61	19.38	145.00	70.00	523.67	81.67	610.95	1505.24
01/05/13	0.05	0.035	37.70	282.02	24.23	181.26	87.50	654.59	102.08	763.69	1881.55
01/06/13	0.09	0.063	67.86	507.63	43.61	326.26	157.50	1178.26	183.75	1374.63	3386.78
01/07/13	0.06	0.042	45.24	338.42	29.07	217.51	105.00	785.51	122.50	916.42	2257.86
01/08/13	0.04	0.028	30.16	225.61	19.38	145.00	70.00	523.67	81.67	610.95	1505.24
01/09/13	0.03	0.021	22.62	169.21	14.54	108.75	52.50	392.75	61.25	458.21	1128.93
01/10/13	0.06	0.042	45.24	338.42	29.07	217.51	105.00	785.51	122.50	916.42	2257.86
01/11/13	0.14	0.098	105.55	789.65	67.84	507.51	245.00	1832.85	285.83	2138.32	5268.33
01/12/13	0.10	0.070	75.40	564.04	48.46	362.51	175.00	1309.18	204.17	1527.37	3763.09
01/13/13	0.07	0.049	52.78	394.83	33.92	253.76	122.50	916.42	142.92	1069.16	2634.16
01/14/13	0.10	0.070	75.40	564.04	48.46	362.51	175.00	1309.18	204.17	1527.37	3763.09
01/15/13	0.05	0.035	37.70	282.02	24.23	181.26	87.50	654.59	102.08	763.69	1881.55
01/16/13	0.07	0.049	52.78	394.83	33.92	253.76	122.50	916.42	142.92	1069.16	2634.16
01/17/13	0.09	0.063	67.86	507.63	43.61	326.26	157.50	1178.26	183.75	1374.63	3386.78
01/18/13	0.09	0.063	67.86	507.63	43.61	326.26	157.50	1178.26	183.75	1374.63	3386.78
01/19/13	0.09	0.063	67.86	507.63	43.61	326.26	157.50	1178.26	183.75	1374.63	3386.78
01/20/13	0.08	0.056	60.32	451.23	38.77	290.01	140.00	1047.34	163.33	1221.90	3010.47
01/21/13	0.13	0.091	98.01	733.25	62.99	471.26	227.50	1701.93	265.42	1985.58	4892.02
01/22/13	0.09	0.063	67.86	507.63	43.61	326.26	157.50	1178.26	183.75	1374.63	3386.78
01/23/13	0.10	0.070	75.40	564.04	48.46	362.51	175.00	1309.18	204.17	1527.37	3763.09
01/24/13	0.05	0.035	37.70	282.02	24.23	181.26	87.50	654.59	102.08	763.69	1881.55
01/25/13	0.06	0.042	45.24	338.42	29.07	217.51	105.00	785.51	122.50	916.42	2257.86
01/26/13	0.02	0.014	15.08	112.81	9.69	72.50	35.00	261.84	40.83	305.47	752.62
01/27/13	0.05	0.035	37.70	282.02	24.23	181.26	87.50	654.59	102.08	763.69	1881.55
01/28/13	0.10	0.070	75.40	564.04	48.46	362.51	175.00	1309.18	204.17	1527.37	3763.09
01/29/13	0.07	0.049	52.78	394.83	33.92	253.76	122.50	916.42	142.92	1069.16	2634.16
01/30/13	0.10	0.070	75.40	564.04	48.46	362.51	175.00	1309.18	204.17	1527.37	3763.09
01/31/13	0.17	0.119	128.17	958.86	82.38	616.27	297.50	2225.60	347.08	2596.53	6397.26
Monthly Totals			1734.10	12972.81	1114.62	8337.74	4025.00	30111.03	4695.83	35129.58	86551.16

FEBRUARY 2013											
Date	Pan Evaporation (In)	Corrected Evaporation Rate (In)	Sump A Evaporation Volume (Ft^3)	Sump A Evaporation (Gallons)	Sump B Evaporation Volume (Ft^3)	Sump B Evaporation (Gallons)	Settling A Evaporation Volume (Ft3)	Settling A Evaporation (Gallons)	Settling B Evaporation Volume (Ft3)	Settling B Evaporation (Gallons)	Total Evaporation (Gallons)
02/01/13	0.13	0.09	98.01	733.25	62.99	471.26	227.50	1701.93	265.42	1985.58	4892.02
02/02/13	0.13	0.09	98.01	733.25	62.99	471.26	227.50	1701.93	265.42	1985.58	4892.02
02/03/13	0.13	0.09	98.01	733.25	62.99	471.26	227.50	1701.93	265.42	1985.58	4892.02
02/04/13	0.14	0.10	105.55	789.65	67.84	507.51	245.00	1832.85	285.83	2138.32	5268.33
02/05/13	0.04	0.03	30.16	225.61	19.38	145.00	70.00	523.67	81.67	610.95	1505.24
02/06/13	0.02	0.01	15.08	112.81	9.69	72.50	35.00	261.84	40.83	305.47	752.62
02/07/13	0.08	0.06	60.32	451.23	38.77	290.01	140.00	1047.34	163.33	1221.90	3010.47
02/08/13	0.12	0.08	90.48	676.84	58.15	435.01	210.00	1571.01	245.00	1832.85	4515.71
02/09/13	0.06	0.04	45.24	338.42	29.07	217.51	105.00	785.51	122.50	916.42	2257.86
02/10/13	0.17	0.12	128.17	958.86	82.38	616.27	297.50	2225.60	347.08	2596.53	6397.26
02/11/13	0.14	0.10	105.55	789.65	67.84	507.51	245.00	1832.85	285.83	2138.32	5268.33
02/12/13	0.04	0.03	30.16	225.61	19.38	145.00	70.00	523.67	81.67	610.95	1505.24
02/13/13	0.10	0.07	75.40	564.04	48.46	362.51	175.00	1309.18	204.17	1527.37	3763.09
02/14/13	0.12	0.08	90.48	676.84	58.15	435.01	210.00	1571.01	245.00	1832.85	4515.71
02/15/13	0.14	0.10	105.55	789.65	67.84	507.51	245.00	1832.85	285.83	2138.32	5268.33
02/16/13	0.10	0.07	75.40	564.04	48.46	362.51	175.00	1309.18	204.17	1527.37	3763.09
02/17/13	0.24	0.17	180.95	1353.69	116.30	870.03	420.00	3142.02	490.00	3665.69	9031.42
02/18/13	0.24	0.17	180.95	1353.69	116.30	870.03	420.00	3142.02	490.00	3665.69	9031.42
02/19/13	0.13	0.09	98.01	733.25	62.99	471.26	227.50	1701.93	265.42	1985.58	4892.02
02/20/13	0.05	0.04	37.70	282.02	24.23	181.26	87.50	654.59	102.08	763.69	1881.55
02/21/13	0.11	0.08	82.94	620.44	53.30	398.76	192.50	1440.09	224.58	1680.11	4139.40
02/22/13	0.10	0.07	75.40	564.04	48.46	362.51	175.00	1309.18	204.17	1527.37	3763.09
02/23/13	0.15	0.11	113.09	846.05	72.69	543.77	262.50	1963.76	306.25	2291.06	5644.64
02/24/13	0.16	0.11	120.63	902.46	77.53	580.02	280.00	2094.68	326.67	2443.79	6020.95
02/25/13	0.04	0.03	30.16	225.61	19.38	145.00	70.00	523.67	81.67	610.95	1505.24
02/26/13	0.14	0.10	105.55	789.65	67.84	507.51	245.00	1832.85	285.83	2138.32	5268.33
02/27/13	0.14	0.10	105.55	789.65	67.84	507.51	245.00	1832.85	285.83	2138.32	5268.33
02/28/13	0.15	0.11	113.09	846.05	72.69	543.77	262.50	1963.76	306.25	2291.06	5644.64
Monthly Totals			2495.60	18669.40	1603.94	11999.10	5792.50	43333.69	6757.92	50555.97	124558.17

MARCH 2013											
Date	Pan Evaporation (in)	Corrected Evaporation Rate (in)	Sump A Evaporation Volume (Ft3)	Sump A Evaporation (Gallons)	Sump B Evaporation Volume (Ft3)	Sump B Evaporation (Gallons)	Settling A Evaporation Volume (Ft3)	Settling A Evaporation (Gallons)	Settling B Evaporation Volume (Ft3)	Settling B Evaporation (Gallons)	Total Evaporation (Gallons)
3/1/2013	0.11	0.08	82.94	620.44	53.30	398.76	192.50	1440.09	224.58	1680.11	4139.40
3/2/2013	0.12	0.08	90.48	676.84	58.15	435.01	210.00	1571.01	245.00	1832.85	4515.71
03/03/13	0.23	0.16	173.41	1297.28	111.45	833.77	402.50	3011.10	469.58	3512.95	8655.11
03/04/13	0.35	0.25	263.89	1974.13	169.60	1268.79	612.50	4582.11	714.58	5345.80	13170.82
03/05/13	0.24	0.17	180.95	1353.69	116.30	870.03	420.00	3142.02	490.00	3665.69	9031.42
03/06/13	0.13	0.09	98.01	733.25	62.99	471.26	227.50	1701.93	265.42	1985.58	4892.02
03/07/13	0.27	0.19	203.57	1522.90	130.84	978.78	472.50	3534.77	551.25	4123.90	10160.35
03/08/13	0.08	0.06	60.32	451.23	38.77	290.01	140.00	1047.34	163.33	1221.90	3010.47
03/09/13	0.07	0.05	52.78	394.83	33.92	253.76	122.50	916.42	142.92	1069.16	2634.16
03/10/13	0.10	0.07	75.40	564.04	48.46	362.51	175.00	1309.18	204.17	1527.37	3763.09
03/11/13	0.14	0.10	105.55	789.65	67.84	507.51	245.00	1832.85	285.83	2138.32	5268.33
03/12/13	0.13	0.09	98.01	733.25	62.99	471.26	227.50	1701.93	265.42	1985.58	4892.02
03/13/13	0.18	0.13	135.71	1015.27	87.22	652.52	315.00	2356.52	367.50	2749.27	6773.57
03/14/13	0.24	0.17	180.95	1353.69	116.30	870.03	420.00	3142.02	490.00	3665.69	9031.42
03/15/13	0.29	0.20	218.65	1635.71	140.53	1051.28	507.50	3796.61	592.08	4429.38	10912.97
03/16/13	0.29	0.20	218.65	1635.71	140.53	1051.28	507.50	3796.61	592.08	4429.38	10912.97
03/17/13	0.12	0.08	90.48	676.84	58.15	435.01	210.00	1571.01	245.00	1832.85	4515.71
03/18/13	0.17	0.12	128.17	958.86	82.38	616.27	297.50	2225.60	347.08	2596.53	6397.26
03/19/13	0.14	0.10	105.55	789.65	67.84	507.51	245.00	1832.85	285.83	2138.32	5268.33
03/20/13	0.18	0.13	135.71	1015.27	87.22	652.52	315.00	2356.52	367.50	2749.27	6773.57
03/21/13	0.15	0.11	113.09	846.05	72.69	543.77	262.50	1963.76	306.25	2291.06	5644.64
03/22/13	0.04	0.03	30.16	225.61	19.38	145.00	70.00	523.67	81.67	610.95	1505.24
03/23/13	0.03	0.02	22.62	169.21	14.54	108.75	52.50	392.75	61.25	458.21	1128.93
03/24/13	0.18	0.13	135.71	1015.27	87.22	652.52	315.00	2356.52	367.50	2749.27	6773.57
03/25/13	0.17	0.12	128.17	958.86	82.38	616.27	297.50	2225.60	347.08	2596.53	6397.26
03/26/13	0.14	0.10	105.55	789.65	67.84	507.51	245.00	1832.85	285.83	2138.32	5268.33
03/27/13	0.28	0.20	211.11	1579.30	135.68	1015.03	490.00	3665.69	571.67	4276.64	10536.66
03/28/13	0.20	0.14	150.79	1128.07	96.92	725.02	350.00	2618.35	408.33	3054.74	7526.19
03/29/13	0.17	0.12	128.17	958.86	82.38	616.27	297.50	2225.60	347.08	2596.53	6397.26
03/30/13	0.15	0.11	113.09	846.05	72.69	543.77	262.50	1963.76	306.25	2291.06	5644.64
03/31/13	0.20	0.14	150.79	1128.07	96.92	725.02	350.00	2618.35	408.33	3054.74	7526.19
Monthly Totals			3988.44	29837.52	2563.40	19176.81	9257.50	69255.96	10800.42	80797.92	199067.60
Quarterly Total			8218.15	61479.95	5281.87	39513.65	19075.00	142700.08	22254.17	166483.42	410177.10

PIT WATER MONITORING DATA

MILL CREEK DOLOMITE, LLC

EVAPORATION

Sump A (ft^2)	12,925	Sump B (ft^2)	8,307
Settling A (ft^2)	30,000	Settling B (ft^2)	35,000

APRIL, 2013											
Date	Pan Evaporation (In)	Corrected Evaporation Rate (In)	Sump A Evaporation Volume (Ft^3)	Sump A Evaporation (Gallons)	Sump B Evaporation Volume (Ft^3)	Sump B Evaporation (Gallons)	Settling A Evaporation Volume (Ft3)	Settling A Evaporation (Gallons)	Settling B Evaporation Volume (Ft3)	Settling B Evaporation (Gallons)	Total Evaporation (Gallons)
04/01/13	0.22	0.154	165.87	1240.88	106.61	797.52	385.00	2880.19	449.17	3360.22	8278.80
04/02/13	0.06	0.042	45.24	338.42	29.07	217.51	105.00	785.51	122.50	916.42	2257.86
04/03/13	0.05	0.035	37.70	282.02	24.23	181.26	87.50	654.59	102.08	763.69	1881.55
04/04/13	0.09	0.063	67.86	507.63	43.61	326.26	157.50	1178.26	183.75	1374.63	3386.78
04/05/13	0.17	0.119	128.17	958.86	82.38	616.27	297.50	2225.60	347.08	2596.53	6397.26
04/06/13	0.27	0.189	203.57	1522.90	130.84	978.78	472.50	3534.77	551.25	4123.90	10160.35
04/07/13	0.10	0.070	75.40	564.04	48.46	362.51	175.00	1309.18	204.17	1527.37	3763.09
04/08/13	0.20	0.140	150.79	1128.07	96.92	725.02	350.00	2618.35	408.33	3054.74	7526.19
04/09/13	0.16	0.112	120.63	902.46	77.53	580.02	280.00	2094.68	326.67	2443.79	6020.95
04/10/13	0.11	0.077	82.94	620.44	53.30	398.76	192.50	1440.09	224.58	1680.11	4139.40
04/11/13	0.18	0.126	135.71	1015.27	87.22	652.52	315.00	2356.52	367.50	2749.27	6773.57
04/12/13	0.19	0.133	143.25	1071.67	92.07	688.77	332.50	2487.43	387.92	2902.00	7149.88
04/13/13	0.25	0.175	188.49	1410.09	121.14	906.28	437.50	3272.94	510.42	3818.43	9407.73
04/14/13	0.27	0.189	203.57	1522.90	130.84	978.78	472.50	3534.77	551.25	4123.90	10160.35
04/15/13	0.26	0.182	196.03	1466.49	125.99	942.53	455.00	3403.86	530.83	3971.16	9784.04
04/16/13	0.20	0.140	150.79	1128.07	96.92	725.02	350.00	2618.35	408.33	3054.74	7526.19
04/17/13	0.25	0.175	188.49	1410.09	121.14	906.28	437.50	3272.94	510.42	3818.43	9407.73
04/18/13	0.29	0.203	218.65	1635.71	140.53	1051.28	507.50	3796.61	592.08	4429.38	10912.97
04/19/13	0.21	0.147	158.33	1184.48	101.76	761.27	367.50	2749.27	428.75	3207.48	7902.49
04/20/13	0.28	0.196	211.11	1579.30	135.68	1015.03	490.00	3665.69	571.67	4276.64	10536.66
04/21/13	0.24	0.168	180.95	1353.69	116.30	870.03	420.00	3142.02	490.00	3665.69	9031.42
04/22/13	0.25	0.175	188.49	1410.09	121.14	906.28	437.50	3272.94	510.42	3818.43	9407.73
04/23/13	0.13	0.091	98.01	733.25	62.99	471.26	227.50	1701.93	265.42	1985.58	4892.02
04/24/13	0.21	0.147	158.33	1184.48	101.76	761.27	367.50	2749.27	428.75	3207.48	7902.49
04/25/13	0.21	0.147	158.33	1184.48	101.76	761.27	367.50	2749.27	428.75	3207.48	7902.49
04/26/13	0.15	0.105	113.09	846.05	72.69	543.77	262.50	1963.76	306.25	2291.06	5644.64
04/27/13	0.15	0.105	113.09	846.05	72.69	543.77	262.50	1963.76	306.25	2291.06	5644.64
04/28/13	0.22	0.154	165.87	1240.88	106.61	797.52	385.00	2880.19	449.17	3360.22	8278.80
04/29/13	0.29	0.203	218.65	1635.71	140.53	1051.28	507.50	3796.61	592.08	4429.38	10912.97
04/30/13	0.27	0.189	203.57	1522.90	130.84	978.78	472.50	3534.77	551.25	4123.90	10160.35
Monthly Totals			4470.97	33447.35	2873.53	21496.88	10377.50	77634.08	12107.08	90573.09	223151.39

MAY, 2013											
Date	Pan Evaporation (In)	Corrected Evaporation Rate (In)	Sump A Evaporation Volume (Ft^3)	Sump A Evaporation (Gallons)	Sump B Evaporation Volume (Ft^3)	Sump B Evaporation (Gallons)	Settling A Evaporation Volume (Ft3)	Settling A Evaporation (Gallons)	Settling B Evaporation Volume (Ft3)	Settling B Evaporation (Gallons)	Total Evaporation (Gallons)
05/01/13	0.24	0.17	180.95	1353.69	116.30	870.03	420.00	3142.02	490.00	3665.69	9031.42
05/02/13	0.17	0.12	128.17	958.86	82.38	616.27	297.50	2225.60	347.08	2596.53	6397.26
05/03/13	0.24	0.17	180.95	1353.69	116.30	870.03	420.00	3142.02	490.00	3665.69	9031.42
05/04/13	0.20	0.14	150.79	1128.07	96.92	725.02	350.00	2618.35	408.33	3054.74	7526.19
05/05/13	0.15	0.11	113.09	846.05	72.69	543.77	262.50	1963.76	306.25	2291.06	5644.64
05/06/13	0.21	0.15	158.33	1184.48	101.76	761.27	367.50	2749.27	428.75	3207.48	7902.49
05/07/13	0.24	0.17	180.95	1353.69	116.30	870.03	420.00	3142.02	490.00	3665.69	9031.42
05/08/13	0.36	0.25	271.43	2030.53	174.45	1305.04	630.00	4713.03	735.00	5498.54	13547.13
05/09/13	0.09	0.06	67.86	507.63	43.61	326.26	157.50	1178.26	183.75	1374.63	3386.78
05/10/13	0.22	0.15	165.87	1240.88	106.61	797.52	385.00	2880.19	449.17	3360.22	8278.80
05/11/13	0.27	0.19	203.57	1522.90	130.84	978.78	472.50	3534.77	551.25	4123.90	10160.35
05/12/13	0.29	0.20	218.65	1635.71	140.53	1051.28	507.50	3796.61	592.08	4429.38	10912.97
05/13/13	0.41	0.29	309.12	2312.55	198.68	1486.29	717.50	5367.62	837.08	6262.22	15428.68
05/14/13	0.46	0.32	346.82	2594.57	222.90	1667.55	805.00	6022.21	939.17	7025.91	17310.23
05/15/13	0.15	0.11	113.09	846.05	72.69	543.77	262.50	1963.76	306.25	2291.06	5644.64
05/16/13	0.06	0.04	45.24	338.42	29.07	217.51	105.00	785.51	122.50	916.42	2257.86
05/17/13	0.14	0.10	105.55	789.65	67.84	507.51	245.00	1832.85	285.83	2138.32	5268.33
05/18/13	0.30	0.21	226.19	1692.11	145.37	1087.53	525.00	3927.53	612.50	4582.11	11289.28
05/19/13	0.33	0.23	248.81	1861.32	159.91	1196.28	577.50	4320.28	673.75	5040.32	12418.21
05/20/13	0.24	0.17	180.95	1353.69	116.30	870.03	420.00	3142.02	490.00	3665.69	9031.42
05/21/13	0.04	0.03	30.16	225.61	19.38	145.00	70.00	523.67	81.67	610.95	1505.24
05/22/13	0.24	0.17	180.95	1353.69	116.30	870.03	420.00	3142.02	490.00	3665.69	9031.42
05/23/13	0.23	0.16	173.41	1297.28	111.45	833.77	402.50	3011.10	469.58	3512.95	8655.11
05/24/13	0.20	0.14	150.79	1128.07	96.92	725.02	350.00	2618.35	408.33	3054.74	7526.19
05/25/13	0.17	0.12	128.17	958.86	82.38	616.27	297.50	2225.60	347.08	2596.53	6397.26
05/26/13	0.21	0.15	158.33	1184.48	101.76	761.27	367.50	2749.27	428.75	3207.48	7902.49
05/27/13	0.21	0.15	158.33	1184.48	101.76	761.27	367.50	2749.27	428.75	3207.48	7902.49
05/28/13	0.28	0.20	211.11	1579.30	135.68	1015.03	490.00	3665.69	571.67	4276.64	10536.66
05/29/13	0.10	0.07	75.40	564.04	48.46	362.51	175.00	1309.18	204.17	1527.37	3763.09
05/30/13	0.18	0.13	135.71	1015.27	87.22	652.52	315.00	2356.52	367.50	2749.27	6773.57
05/31/13	0.35	0.25	263.89	1974.13	169.60	1268.79	612.50	4582.11	714.58	5345.80	13170.82
Monthly Totals			5262.63	39369.73	3382.33	25303.24	12215.00	91380.42	14250.83	106610.48	262663.86

JUNE, 2013											
Date	Pan Evaporation (In)	Corrected Evaporation Rate (In)	Sump A Evaporation Volume (Ft^3)	Sump A Evaporation (Gallons)	Sump B Evaporation Volume (Ft^3)	Sump B Evaporation (Gallons)	Settling A Evaporation Volume (Ft3)	Settling A Evaporation (Gallons)	Settling B Evaporation Volume (Ft3)	Settling B Evaporation (Gallons)	Total Evaporation (Gallons)
6/1/2013	0.23	0.16	173.41	1297.28	111.45	833.77	402.50	3011.10	469.58	3512.95	8655.11
6/2/2013	0.29	0.20	218.65	1635.71	140.53	1051.28	507.50	3796.61	592.08	4429.38	10912.97
06/03/13	0.25	0.18	188.49	1410.09	121.14	906.28	437.50	3272.94	510.42	3818.43	9407.73
06/04/13	0.25	0.18	188.49	1410.09	121.14	906.28	437.50	3272.94	510.42	3818.43	9407.73
06/05/13	0.24	0.17	180.95	1353.69	116.30	870.03	420.00	3142.02	490.00	3665.69	9031.42
06/06/13	0.14	0.10	105.55	789.65	67.84	507.51	245.00	1832.85	285.83	2138.32	5268.33
06/07/13	0.26	0.18	196.03	1466.49	125.99	942.53	455.00	3403.86	530.83	3971.16	9784.04
06/08/13	0.28	0.20	211.11	1579.30	135.68	1015.03	490.00	3665.69	571.67	4276.64	10536.66
06/09/13	0.27	0.19	203.57	1522.90	130.84	978.78	472.50	3534.77	551.25	4123.90	10160.35
06/10/13	0.33	0.23	248.81	1861.32	159.91	1196.28	577.50	4320.28	673.75	5040.32	12418.21
06/11/13	0.34	0.24	256.35	1917.72	164.76	1232.54	595.00	4451.20	694.17	5193.06	12794.51
06/12/13	0.35	0.25	263.89	1974.13	169.60	1268.79	612.50	4582.11	714.58	5345.80	13170.82
06/13/13	0.30	0.21	226.19	1692.11	145.37	1087.53	525.00	3927.53	612.50	4582.11	11289.28
06/14/13	0.26	0.18	196.03	1466.49	125.99	942.53	455.00	3403.86	530.83	3971.16	9784.04
06/15/13	0.20	0.14	150.79	1128.07	96.92	725.02	350.00	2618.35	408.33	3054.74	7526.19
06/16/13	0.27	0.19	203.57	1522.90	130.84	978.78	472.50	3534.77	551.25	4123.90	10160.35
06/17/13	0.23	0.16	173.41	1297.28	111.45	833.77	402.50	3011.10	469.58	3512.95	8655.11
06/18/13	0.24	0.17	180.95	1353.69	116.30	870.03	420.00	3142.02	490.00	3665.69	9031.42
06/19/13	0.18	0.13	135.71	1015.27	87.22	652.52	315.00	2356.52	367.50	2749.27	6773.57
06/20/13	0.32	0.22	241.27	1804.92	155.06	1160.03	560.00	4189.36	653.33	4887.59	12041.90
06/21/13	0.36	0.25	271.43	2030.53	174.45	1305.04	630.00	4713.03	735.00	5498.54	13547.13
06/22/13	0.36	0.25	271.43	2030.53	174.45	1305.04	630.00	4713.03	735.00	5498.54	13547.13
06/23/13	0.38	0.27	286.50	2143.34	184.14	1377.54	665.00	4974.87	775.83	5804.01	14299.75
06/24/13	0.37	0.26	278.98	2086.93	179.29	1341.29	647.50	4843.95	755.42	5651.27	13923.44
06/25/13	0.39	0.27	294.04	2199.74	188.98	1413.79	682.50	5105.78	796.25	5956.75	14676.06
06/26/13	0.39	0.27	294.04	2199.74	188.98	1413.79	682.50	5105.78	796.25	5956.75	14676.06
06/27/13	0.33	0.23	248.81	1861.32	159.91	1196.28	577.50	4320.28	673.75	5040.32	12418.21
06/28/13	0.35	0.25	263.89	1974.13	169.60	1268.79	612.50	4582.11	714.58	5345.80	13170.82
06/29/13	0.36	0.25	271.43	2030.53	174.45	1305.04	630.00	4713.03	735.00	5498.54	13547.13
06/30/13	0.36	0.25	271.43	2030.53	174.45	1305.04	630.00	4713.03	735.00	5498.54	13547.13
Monthly Totals			6695.15	50086.42	4303.03	32190.94	15540.00	116254.74	18130.00	135630.53	334162.62
Quarterly Total			16429	122903	10559	78991	38133	285269	44488	332814	819978

PIT WATER MONITORING DATA

MILL CREEK DOLOMITE, LLC

EVAPORATION

Sump A (ft^2)	12,925	Sump B (ft^2)	8,307
Settling A (ft^2)	30,000	Settling B (ft^2)	35,000

JULY, 2013

Date	Pan Evaporation (In)	Corrected Evaporation Rate (In)	Sump A Evaporation Volume (Ft^3)	Sump A Evaporation (Gallons)	Sump B Evaporation Volume (Ft^3)	Sump B Evaporation (Gallons)	Settling A Evaporation Volume (Ft3)	Settling A Evaporation (Gallons)	Settling B Evaporation Volume (Ft3)	Settling B Evaporation (Gallons)	Total Evaporation (Gallons)
07/01/13	0.34	0.238	256.35	1917.72	164.76	1232.54	595.00	4451.20	694.17	5193.06	12794.51
07/02/13	0.28	0.196	211.11	1579.30	135.68	1015.03	490.00	3665.69	571.67	4276.64	10536.66
07/03/13	0.23	0.161	173.41	1297.28	111.45	833.77	402.50	3011.10	469.58	3512.95	8655.11
07/04/13	0.30	0.210	226.19	1692.11	145.37	1087.53	525.00	3927.53	612.50	4582.11	11289.28
07/05/13	0.27	0.189	203.57	1522.90	130.84	978.78	472.50	3534.77	551.25	4123.90	10160.35
07/06/13	0.33	0.231	248.81	1861.32	159.91	1196.28	577.50	4320.28	673.75	5040.32	12418.21
07/07/13	0.28	0.196	211.11	1579.30	135.68	1015.03	490.00	3665.69	571.67	4276.64	10536.66
07/08/13	0.32	0.224	241.27	1804.92	155.06	1160.03	560.00	4189.36	653.33	4887.59	12041.90
07/09/13	0.37	0.259	276.96	2086.93	179.29	1341.29	647.50	4843.95	755.42	5651.27	13923.44
07/10/13	0.34	0.238	256.35	1917.72	164.76	1232.54	595.00	4451.20	694.17	5193.06	12794.51
07/11/13	0.32	0.224	241.27	1804.92	155.06	1160.03	560.00	4189.36	653.33	4887.59	12041.90
07/12/13	0.32	0.224	241.27	1804.92	155.06	1160.03	560.00	4189.36	653.33	4887.59	12041.90
07/13/13	0.34	0.238	256.35	1917.72	164.76	1232.54	595.00	4451.20	694.17	5193.06	12794.51
07/14/13	0.10	0.070	75.40	564.04	48.46	362.51	175.00	1309.18	204.17	1527.37	3763.09
07/15/13	0.08	0.056	60.32	451.23	38.77	290.01	140.00	1047.34	163.33	1221.90	3010.47
07/16/13	0.23	0.161	173.41	1297.28	111.45	833.77	402.50	3011.10	469.58	3512.95	8655.11
07/17/13	0.24	0.168	180.95	1353.69	116.30	870.03	420.00	3142.02	490.00	3665.69	9031.42
07/18/13	0.24	0.168	180.95	1353.69	116.30	870.03	420.00	3142.02	490.00	3665.69	9031.42
07/19/13	0.28	0.196	211.11	1579.30	135.68	1015.03	490.00	3665.69	571.67	4276.64	10536.66
07/20/13	0.28	0.196	211.11	1579.30	135.68	1015.03	490.00	3665.69	571.67	4276.64	10536.66
07/21/13	0.31	0.217	233.73	1748.51	150.22	1123.78	542.50	4058.44	632.92	4734.85	11665.59
07/22/13	0.33	0.231	248.81	1861.32	159.91	1196.28	577.50	4320.28	673.75	5040.32	12418.21
07/23/13	0.33	0.231	248.81	1861.32	159.91	1196.28	577.50	4320.28	673.75	5040.32	12418.21
07/24/13	0.23	0.161	173.41	1297.28	111.45	833.77	402.50	3011.10	469.58	3512.95	8655.11
07/25/13	0.18	0.126	135.71	1015.27	87.22	652.52	315.00	2356.52	367.50	2749.27	6773.57
07/26/13	0.13	0.091	98.01	733.25	62.99	471.26	227.50	1701.93	265.42	1985.58	4892.02
07/27/13	0.24	0.168	180.95	1353.69	116.30	870.03	420.00	3142.02	490.00	3665.69	9031.42
07/28/13	0.27	0.189	203.57	1522.90	130.84	978.78	472.50	3534.77	551.25	4123.90	10160.35
07/29/13	0.25	0.175	188.49	1410.09	121.14	906.28	437.50	3272.94	510.42	3818.43	9407.73
07/30/13	0.25	0.175	188.49	1410.09	121.14	906.28	437.50	3272.94	510.42	3818.43	9407.73
07/31/13	0.25	0.175	188.49	1410.09	121.14	906.28	437.50	3272.94	510.42	3818.43	9407.73
Monthly Totals			6227.70	46589.39	4002.59	29943.37	14455.00	108137.86	16864.17	126160.83	310831.45

AUGUST, 2013											
Date	Pan Evaporation (In)	Corrected Evaporation Rate (In)	Sump A Evaporation Volume (Ft^3)	Sump A Evaporation (Gallons)	Sump B Evaporation Volume (Ft^3)	Sump B Evaporation (Gallons)	Settling A Evaporation Volume (Ft3)	Settling A Evaporation (Gallons)	Settling B Evaporation Volume (Ft3)	Settling B Evaporation (Gallons)	Total Evaporation (Gallons)
08/01/13	0.28	0.20	211.11	1579.30	135.68	1015.03	490.00	3665.69	571.67	4276.64	10536.66
08/02/13	0.34	0.24	256.35	1917.72	164.76	1232.54	595.00	4451.20	694.17	5193.06	12794.51
08/03/13	0.33	0.23	248.81	1861.32	159.91	1196.28	577.50	4320.28	673.75	5040.32	12418.21
08/04/13	0.31	0.22	233.73	1748.51	150.22	1123.78	542.50	4058.44	632.92	4734.85	11665.59
08/05/13	0.33	0.23	248.81	1861.32	159.91	1196.28	577.50	4320.28	673.75	5040.32	12418.21
08/06/13	0.37	0.26	278.96	2086.93	179.29	1341.29	647.50	4843.95	755.42	5651.27	13923.44
08/07/13	0.35	0.25	263.89	1974.13	169.60	1268.79	612.50	4582.11	714.58	5345.80	13170.82
08/08/13	0.30	0.21	226.19	1692.11	145.37	1087.53	525.00	3927.53	612.50	4582.11	11289.28
08/09/13	0.26	0.18	196.03	1466.49	125.99	942.53	455.00	3403.86	530.83	3971.16	9784.04
08/10/13	0.26	0.18	196.03	1466.49	125.99	942.53	455.00	3403.86	530.83	3971.16	9784.04
08/11/13	0.24	0.17	180.95	1353.69	116.30	870.03	420.00	3142.02	490.00	3665.69	9031.42
08/12/13	0.25	0.18	188.49	1410.09	121.14	906.28	437.50	3272.94	510.42	3818.43	9407.73
08/13/13	0.20	0.14	150.79	1128.07	96.92	725.02	350.00	2618.35	408.33	3054.74	7526.19
08/14/13	0.24	0.17	180.95	1353.69	116.30	870.03	420.00	3142.02	490.00	3665.69	9031.42
08/15/13	0.23	0.16	173.41	1297.28	111.45	833.77	402.50	3011.10	469.58	3512.95	8655.11
08/16/13	0.20	0.14	150.79	1128.07	96.92	725.02	350.00	2618.35	408.33	3054.74	7526.19
08/17/13	0.21	0.15	158.33	1184.48	101.76	761.27	367.50	2749.27	428.75	3207.48	7902.49
08/18/13	0.22	0.15	165.87	1240.88	106.61	797.52	385.00	2880.19	449.17	3360.22	8278.80
08/19/13	0.25	0.18	188.49	1410.09	121.14	906.28	437.50	3272.94	510.42	3818.43	9407.73
08/20/13	0.26	0.18	196.03	1466.49	125.99	942.53	455.00	3403.86	530.83	3971.16	9784.04
08/21/13	0.29	0.20	218.65	1635.71	140.53	1051.28	507.50	3796.61	592.08	4429.38	10912.97
08/22/13	0.26	0.18	196.03	1466.49	125.99	942.53	455.00	3403.86	530.83	3971.16	9784.04
08/23/13	0.24	0.17	180.95	1353.69	116.30	870.03	420.00	3142.02	490.00	3665.69	9031.42
08/24/13	0.28	0.20	211.11	1579.30	135.68	1015.03	490.00	3665.69	571.67	4276.64	10536.66
08/25/13	0.29	0.20	218.65	1635.71	140.53	1051.28	507.50	3796.61	592.08	4429.38	10912.97
08/26/13	0.26	0.18	196.03	1466.49	125.99	942.53	455.00	3403.86	530.83	3971.16	9784.04
08/27/13	0.24	0.17	180.95	1353.69	116.30	870.03	420.00	3142.02	490.00	3665.69	9031.42
08/28/13	0.24	0.17	180.95	1353.69	116.30	870.03	420.00	3142.02	490.00	3665.69	9031.42
08/29/13	0.23	0.16	173.41	1297.28	111.45	833.77	402.50	3011.10	469.58	3512.95	8655.11
08/30/13	0.27	0.19	203.57	1522.90	130.84	978.78	472.50	3534.77	551.25	4123.90	10160.35
08/31/13	0.29	0.20	218.65	1635.71	140.53	1051.28	507.50	3796.61	592.08	4429.38	10912.97
Monthly Totals			6272.93	46927.81	4031.66	30160.88	14560.00	108923.36	16986.67	127077.25	313089.31

SEPTEMBER, 2013											
Date	Pan Evaporation (in)	Corrected Evaporation Rate (in)	Sump A Evaporation Volume (Ft^3)	Sump A Evaporation (Gallons)	Sump B Evaporation Volume (Ft^3)	Sump B Evaporation (Gallons)	Settling A Evaporation Volume (Ft3)	Settling A Evaporation (Gallons)	Settling B Evaporation Volume (Ft3)	Settling B Evaporation (Gallons)	Total Evaporation (Gallons)
9/1/2013	0.30	0.21	226.19	1692.11	145.37	1087.53	525.00	3927.53	612.50	4582.11	11289.28
9/2/2013	0.27	0.19	203.57	1522.90	130.84	978.78	472.50	3534.77	551.25	4123.90	10160.35
09/03/13	0.34	0.24	256.35	1917.72	164.76	1232.54	595.00	4451.20	694.17	5193.06	12794.51
09/04/13	0.32	0.22	241.27	1804.92	155.08	1160.03	560.00	4189.36	653.33	4887.59	12041.90
09/05/13	0.24	0.17	180.95	1353.69	116.30	870.03	420.00	3142.02	490.00	3665.69	9031.42
09/06/13	0.14	0.10	105.55	789.65	67.84	507.51	245.00	1832.85	285.83	2138.32	5268.33
09/07/13	0.26	0.18	196.03	1466.49	125.99	942.53	455.00	3403.86	530.83	3971.16	9784.04
09/08/13	0.28	0.20	211.11	1579.30	135.68	1015.03	490.00	3665.69	571.67	4276.64	10536.66
09/09/13	0.27	0.19	203.57	1522.90	130.84	978.78	472.50	3534.77	551.25	4123.90	10160.35
09/10/13	0.33	0.23	248.81	1861.32	159.91	1196.28	577.50	4320.28	673.75	5040.32	12418.21
09/11/13	0.34	0.24	256.35	1917.72	164.76	1232.54	595.00	4451.20	694.17	5193.06	12794.51
09/12/13	0.35	0.25	263.89	1974.13	169.60	1268.79	612.50	4582.11	714.58	5345.80	13170.82
09/13/13	0.30	0.21	226.19	1692.11	145.37	1087.53	525.00	3927.53	612.50	4582.11	11289.28
09/14/13	0.26	0.18	196.03	1466.49	125.99	942.53	455.00	3403.86	530.83	3971.16	9784.04
09/15/13	0.20	0.14	150.79	1128.07	96.92	725.02	350.00	2618.35	408.33	3054.74	7626.19
09/16/13	0.27	0.19	203.57	1522.90	130.84	978.78	472.50	3534.77	551.25	4123.90	10160.35
09/17/13	0.23	0.16	173.41	1297.28	111.45	833.77	402.50	3011.10	469.58	3512.95	8655.11
09/18/13	0.24	0.17	180.95	1353.69	116.30	870.03	420.00	3142.02	490.00	3665.69	9031.42
09/19/13	0.18	0.13	135.71	1015.27	87.22	652.52	315.00	2356.52	367.50	2749.27	6773.57
09/20/13	0.32	0.22	241.27	1804.92	155.08	1160.03	560.00	4189.36	653.33	4887.59	12041.90
09/21/13	0.36	0.25	271.43	2030.53	174.45	1305.04	630.00	4713.03	735.00	5498.54	13547.13
09/22/13	0.36	0.25	271.43	2030.53	174.45	1305.04	630.00	4713.03	735.00	5498.54	13547.13
09/23/13	0.38	0.27	286.50	2143.34	184.14	1377.54	665.00	4974.87	775.83	5804.01	14299.75
09/24/13	0.37	0.26	278.96	2086.93	179.29	1341.29	647.50	4843.95	755.42	5651.27	13923.44
09/25/13	0.39	0.27	294.04	2199.74	188.98	1413.79	682.50	5105.78	796.25	5956.75	14676.06
09/26/13	0.39	0.27	294.04	2199.74	188.98	1413.79	682.50	5105.78	796.25	5956.75	14676.06
09/27/13	0.33	0.23	248.81	1861.32	159.91	1196.28	577.50	4320.28	673.75	5040.32	12418.21
09/28/13	0.35	0.25	263.89	1974.13	169.60	1268.79	612.50	4582.11	714.58	5345.80	13170.82
09/29/13	0.36	0.25	271.43	2030.53	174.45	1305.04	630.00	4713.03	735.00	5498.54	13547.13
09/30/13	0.36	0.25	271.43	2030.53	174.45	1305.04	630.00	4713.03	735.00	5498.54	13547.13
Monthly Totals			6853.48	51270.89	4404.79	32952.21	15907.50	119004.01	18558.75	138838.01	342065.12
Quarterly Total			19354	144788	12439	93056	44923	336065	52410	392076	965986

PIT WATER MONITORING DATA

MILL CREEK DOLOMITE, LLC

EVAPORATION

Sump A (ft^2)	12,925	Sump B (ft^2)	8,307
Settling A (ft^2)	30,000	Settling B (ft^2)	35,000

OCTOBER, 2013											
Date	Pan Evaporation (in)	Corrected Evaporation Rate (in)	Sump A Evaporation Volume (Ft^3)	Sump A Evaporation (Gallons)	Sump B Evaporation Volume (Ft^3)	Sump B Evaporation (Gallons)	Settling A Evaporation Volume (Ft3)	Settling A Evaporation (Gallons)	Settling B Evaporation Volume (Ft3)	Settling B Evaporation (Gallons)	Total Evaporation (Gallons)
10/01/13	0.23	0.161	173.41	1297.28	111.45	833.77	402.50	3011.10	469.58	3512.95	8655.11
10/02/13	0.22	0.154	165.87	1240.88	106.61	797.52	385.00	2880.19	449.17	3360.22	8278.80
10/03/13	0.28	0.196	211.11	1579.30	135.68	1015.03	490.00	3665.69	571.67	4276.64	10536.66
10/04/13	0.30	0.210	226.19	1692.11	145.37	1087.53	525.00	3927.53	612.50	4582.11	11289.28
10/05/13	0.15	0.105	113.09	846.05	72.69	543.77	262.50	1963.76	306.25	2291.06	5644.64
10/06/13	0.21	0.147	158.33	1184.48	101.76	761.27	367.50	2749.27	428.75	3207.48	7902.49
10/07/13	0.20	0.140	150.79	1128.07	96.92	725.02	350.00	2618.35	408.33	3054.74	7526.19
10/08/13	0.19	0.133	143.25	1071.67	92.07	688.77	332.50	2487.43	387.92	2902.00	7149.88
10/09/13	0.21	0.147	158.33	1184.48	101.76	761.27	367.50	2749.27	428.75	3207.48	7902.49
10/10/13	0.22	0.154	165.87	1240.88	106.61	797.52	385.00	2880.19	449.17	3360.22	8278.80
10/11/13	0.20	0.140	150.79	1128.07	96.92	725.02	350.00	2618.35	408.33	3054.74	7526.19
10/12/13	0.16	0.112	120.63	902.46	77.53	580.02	280.00	2094.68	326.67	2443.79	6020.95
10/13/13	0.07	0.049	52.78	394.83	33.92	253.76	122.50	916.42	142.92	1069.16	2634.16
10/14/13	0.04	0.028	30.16	225.61	19.38	145.00	70.00	523.67	81.67	610.95	1505.24
10/15/13	0.08	0.056	60.32	451.23	38.77	290.01	140.00	1047.34	163.33	1221.90	3010.47
10/16/13	0.17	0.119	128.17	958.86	82.38	616.27	297.50	2225.60	347.08	2596.53	6397.26
10/17/13	0.12	0.084	90.48	676.84	58.15	435.01	210.00	1571.01	245.00	1832.85	4515.71
10/18/13	0.10	0.070	75.40	564.04	48.46	362.51	175.00	1309.18	204.17	1527.37	3763.09
10/19/13	0.13	0.091	98.01	733.25	62.99	471.26	227.50	1701.93	265.42	1985.58	4892.02
10/20/13	0.18	0.126	135.71	1015.27	87.22	652.52	315.00	2356.52	367.50	2749.27	6773.57
10/21/13	0.07	0.049	52.78	394.83	33.92	253.76	122.50	916.42	142.92	1069.16	2634.16
10/22/13	0.17	0.119	128.17	958.86	82.38	616.27	297.50	2225.60	347.08	2596.53	6397.26
10/23/13	0.16	0.112	120.63	902.46	77.53	580.02	280.00	2094.68	326.67	2443.79	6020.95
10/24/13	0.19	0.133	143.25	1071.67	92.07	688.77	332.50	2487.43	387.92	2902.00	7149.88
10/25/13	0.16	0.112	120.63	902.46	77.53	580.02	280.00	2094.68	326.67	2443.79	6020.95
10/26/13	0.04	0.028	30.16	225.61	19.38	145.00	70.00	523.67	81.67	610.95	1505.24
10/27/13	0.05	0.035	37.70	282.02	24.23	181.26	87.50	654.59	102.08	763.69	1881.55
10/28/13	0.05	0.035	37.70	282.02	24.23	181.26	87.50	654.59	102.08	763.69	1881.55
10/29/13	0.10	0.070	75.40	564.04	48.46	362.51	175.00	1309.18	204.17	1527.37	3763.09
10/30/13	0.05	0.035	37.70	282.02	24.23	181.26	87.50	654.59	102.08	763.69	1881.55
10/31/13	0.12	0.084	90.48	676.84	58.15	435.01	210.00	1571.01	245.00	1832.85	4515.71
Monthly Totals			3483.29	26058.47	2238.74	16747.99	8085.00	60483.89	9432.50	70564.53	173854.88

NOVEMBER, 2013											
Date	Pan Evaporation (in)	Corrected Evaporation Rate (in)	Sump A Evaporation Volume (Ft^3)	Sump A Evaporation (Gallons)	Sump B Evaporation Volume (Ft^3)	Sump B Evaporation (Gallons)	Settling A Evaporation Volume (Ft3)	Settling A Evaporation (Gallons)	Settling B Evaporation Volume (Ft3)	Settling B Evaporation (Gallons)	Total Evaporation (Gallons)
11/01/13	0.16	0.11	120.63	902.46	77.53	580.02	280.00	2094.68	326.67	2443.79	6020.95
11/02/13	0.17	0.12	128.17	958.86	82.38	616.27	297.50	2225.60	347.08	2596.53	6397.26
11/03/13	0.13	0.09	98.01	733.25	62.99	471.26	227.50	1701.93	265.42	1985.58	4892.02
11/04/13	0.08	0.06	60.32	451.23	38.77	290.01	140.00	1047.34	163.33	1221.90	3010.47
11/05/13	0.03	0.02	22.62	169.21	14.54	108.75	52.50	392.75	61.25	458.21	1128.93
11/06/13	0.17	0.12	128.17	958.86	82.38	616.27	297.50	2225.60	347.08	2596.53	6397.26
11/07/13	0.09	0.06	67.86	507.63	43.61	326.26	157.50	1178.26	183.75	1374.63	3386.78
11/08/13	0.15	0.11	113.09	846.05	72.69	543.77	262.50	1963.76	306.25	2291.06	5644.64
11/09/13	0.13	0.09	98.01	733.25	62.99	471.26	227.50	1701.93	265.42	1985.58	4892.02
11/10/13	0.08	0.06	60.32	451.23	38.77	290.01	140.00	1047.34	163.33	1221.90	3010.47
11/11/13	0.10	0.07	75.40	564.04	48.46	362.51	175.00	1309.18	204.17	1527.37	3763.09
11/12/13	0.21	0.15	158.33	1184.48	101.76	761.27	367.50	2749.27	428.75	3207.48	7902.49
11/13/13	0.10	0.07	75.40	564.04	48.46	362.51	175.00	1309.18	204.17	1527.37	3763.09
11/14/13	0.08	0.06	60.32	451.23	38.77	290.01	140.00	1047.34	163.33	1221.90	3010.47
11/15/13	0.12	0.08	90.48	676.84	58.15	435.01	210.00	1571.01	245.00	1832.85	4515.71
11/16/13	0.12	0.08	90.48	676.84	58.15	435.01	210.00	1571.01	245.00	1832.85	4515.71
11/17/13	0.29	0.20	218.65	1635.71	140.53	1051.28	507.50	3796.61	592.08	4429.38	10912.97
11/18/13	0.24	0.17	180.95	1353.69	116.30	870.03	420.00	3142.02	490.00	3665.69	9031.42
11/19/13	0.20	0.14	150.79	1128.07	96.92	725.02	350.00	2618.35	408.33	3054.74	7526.19
11/20/13	0.16	0.11	120.63	902.46	77.53	580.02	280.00	2094.68	326.67	2443.79	6020.95
11/21/13	0.06	0.04	45.24	338.42	29.07	217.51	105.00	785.51	122.50	916.42	2257.86
11/22/13	0.03	0.02	22.62	169.21	14.54	108.75	52.50	392.75	61.25	458.21	1128.93
11/23/13	0.07	0.05	52.78	394.83	33.92	253.76	122.50	916.42	142.92	1069.16	2634.16
11/24/13	0.06	0.04	45.24	338.42	29.07	217.51	105.00	785.51	122.50	916.42	2257.86
11/25/13	0.02	0.01	15.08	112.81	9.69	72.50	35.00	261.84	40.83	305.47	752.62
11/26/13	0.13	0.09	98.01	733.25	62.99	471.26	227.50	1701.93	265.42	1985.58	4892.02
11/27/13	0.10	0.07	75.40	564.04	48.46	362.51	175.00	1309.18	204.17	1527.37	3763.09
11/28/13	0.08	0.06	60.32	451.23	38.77	290.01	140.00	1047.34	163.33	1221.90	3010.47
11/29/13	0.09	0.06	67.86	507.63	43.61	326.26	157.50	1178.26	183.75	1374.63	3386.78
11/30/13	0.10	0.07	75.40	564.04	48.46	362.51	175.00	1309.18	204.17	1527.37	3763.09
Monthly Totals			2676.65	20023.29	1720.24	12869.12	6212.50	46475.71	7247.92	54221.66	133589.79

DECEMBER, 2013											
Date	Pan Evaporation (in)	Corrected Evaporation Rate (in)	Sump A Evaporation Volume (Ft^3)	Sump A Evaporation (Gallons)	Sump B Evaporation Volume (Ft^3)	Sump B Evaporation (Gallons)	Settling A Evaporation Volume (Ft3)	Settling A Evaporation (Gallons)	Settling B Evaporation Volume (Ft3)	Settling B Evaporation (Gallons)	Total Evaporation (Gallons)
12/1/2013	0.06	0.04	45.24	338.42	29.07	217.51	105.00	785.51	122.50	916.42	2257.86
12/2/2013	0.04	0.03	30.16	225.61	19.38	145.00	70.00	523.67	81.67	610.95	1505.24
12/03/13	0.06	0.04	45.24	338.42	29.07	217.51	105.00	785.51	122.50	916.42	2257.86
12/04/13	0.10	0.07	75.40	564.04	48.46	362.51	175.00	1309.18	204.17	1527.37	3763.09
12/05/13	0.06	0.04	45.24	338.42	29.07	217.51	105.00	785.51	122.50	916.42	2257.86
12/06/13	0.03	0.02	22.62	169.21	14.54	108.75	52.50	392.75	61.25	458.21	1128.93
12/07/13	0.04	0.03	30.16	225.61	19.38	145.00	70.00	523.67	81.67	610.95	1505.24
12/08/13	0.03	0.02	22.62	169.21	14.54	108.75	52.50	392.75	61.25	458.21	1128.93
12/09/13	0.05	0.04	37.70	282.02	24.23	181.26	87.50	654.59	102.08	763.69	1881.55
12/10/13	0.05	0.04	37.70	282.02	24.23	181.26	87.50	654.59	102.08	763.69	1881.55
12/11/13	0.06	0.04	45.24	338.42	29.07	217.51	105.00	785.51	122.50	916.42	2257.86
12/12/13	0.05	0.04	37.70	282.02	24.23	181.26	87.50	654.59	102.08	763.69	1881.55
12/13/13	0.03	0.02	22.62	169.21	14.54	108.75	52.50	392.75	61.25	458.21	1128.93
12/14/13	0.03	0.02	22.62	169.21	14.54	108.75	52.50	392.75	61.25	458.21	1128.93
12/15/13	0.09	0.06	67.86	507.63	43.61	326.26	157.50	1178.26	183.75	1374.63	3386.78
12/16/13	0.10	0.07	75.40	564.04	48.46	362.51	175.00	1309.18	204.17	1527.37	3763.09
12/17/13	0.14	0.10	105.55	789.65	67.84	507.51	245.00	1832.85	285.83	2138.32	5268.33
12/18/13	0.17	0.12	128.17	958.86	82.38	616.27	297.50	2225.60	347.08	2596.53	6397.26
12/19/13	0.11	0.08	82.94	620.44	53.30	398.76	192.50	1440.09	224.58	1680.11	4139.40
12/20/13	0.11	0.08	82.94	620.44	53.30	398.76	192.50	1440.09	224.58	1680.11	4139.40
12/21/13	0.02	0.01	15.08	112.81	9.69	72.50	35.00	261.84	40.83	305.47	752.62
12/22/13	0.05	0.04	37.70	282.02	24.23	181.26	87.50	654.59	102.08	763.69	1881.55
12/23/13	0.05	0.04	37.70	282.02	24.23	181.26	87.50	654.59	102.08	763.69	1881.55
12/24/13	0.07	0.05	52.78	394.83	33.92	253.76	122.50	916.42	142.92	1069.16	2634.16
12/25/13	0.05	0.04	37.70	282.02	24.23	181.26	87.50	654.59	102.08	763.69	1881.55
12/26/13	0.06	0.04	45.24	338.42	29.07	217.51	105.00	785.51	122.50	916.42	2257.86
12/27/13	0.06	0.04	45.24	338.42	29.07	217.51	105.00	785.51	122.50	916.42	2257.86
12/28/13	0.09	0.06	67.86	507.63	43.61	326.26	157.50	1178.26	183.75	1374.63	3386.78
12/29/13	0.09	0.06	67.86	507.63	43.61	326.26	157.50	1178.26	183.75	1374.63	3386.78
12/30/13	0.07	0.05	52.78	394.83	33.92	253.76	122.50	916.42	142.92	1069.16	2634.16
12/31/13	0.09	0.06	67.86	507.63	43.61	326.26	157.50	1178.26	183.75	1374.63	3386.78
Monthly Totals			1590.85	11901.16	1022.45	7648.97	3692.50	27623.59	4307.92	32227.52	79401.25
Quarterly Total			7751	57983	4981	37266	17990	134583	20988	157014	386846

	Water Truck Hours					
	Date	Rainfall	Start	End	Miles	
Tuesday	1/1/2013		68423	68423.5	0.5	0.06
Wednesday	1/2/2013					
Thursday	1/3/2013					
Friday	1/4/2013					
Saturday	1/5/2013					
Sunday	1/6/2013					
Monday	1/7/2013					
Tuesday	1/8/2013					
Wednesday	1/9/2013	0.5				
Thursday	1/10/2013	0.7				
Friday	1/11/2013					
Saturday	1/12/2013					
Sunday	1/13/2013	0.2				
Monday	1/14/2013					
Tuesday	1/15/2013					
Wednesday	1/16/2013					
Thursday	1/17/2013		68423.5	68476.1	52.6	6.58
Friday	1/18/2013					
Saturday	1/19/2013					
Sunday	1/20/2013					
Monday	1/21/2013					
Tuesday	1/22/2013	0.3				
Wednesday	1/23/2013					
Thursday	1/24/2013					
Friday	1/25/2013					
Saturday	1/26/2013					
Sunday	1/27/2013					
Monday	1/28/2013		68476.1	68484	7.9	0.99
Tuesday	1/29/2013	1.0				
Wednesday	1/30/2013					
Thursday	1/31/2013					
Friday	2/1/2013					
Saturday	2/2/2013					
Sunday	2/3/2013					
Monday	2/4/2013					
Tuesday	2/5/2013					
Wednesday	2/6/2013	0.2	68484	68490	6	0.8
Thursday	2/7/2013					
Friday	2/8/2013					
Saturday	2/9/2013	0.5				
Sunday	2/10/2013					
Monday	2/11/2013					
Tuesday	2/12/2013	0.9				
Wednesday	2/13/2013					
Thursday	2/14/2013					
Friday	2/15/2013					
Saturday	2/16/2013					
Sunday	2/17/2013					
Monday	2/18/2013					
Tuesday	2/19/2013	1.3				
Wednesday	2/20/2013					
Thursday	2/21/2013		68490	68497	7	0.9
Friday	2/22/2013					
Saturday	2/23/2013					

	Loads	Gallons	
	211	948937.5	
Month	Loads	Gallons	Rainfall
January	8	34,313	2.7
February	2	7,313	3.4
March	37	166,444	1.5
April	14	62,494	0.0
May	36	163,125	0.0
June	36	163,125	0.0
July	13	56,250	5.3
August	27	119,250	1.6
September	23	102,938	0.8
October	16	71,438	5.0
November	1	2,250	2.4
December	0	0	3.8
Total	211	948,938	26.5

Water Right	Use	Permitted Gallons	Permitted Ac-Ft
19900552	1,091,402	39,427,971.00	121

Total Groundwater Usage	
January	44,318
February	7,313
March	166,444
April	70,117
May	186,472
June	194,096
July	82,932
August	129,732
September	136,290
October	71,438
November	2,250
December	0
	1,091,402

Month	Gallons
January	10006
February	0
March	0
April	7624
May	23347
June	30971
July	26682
August	10482
September	33353
October	0
November	0
December	0
	142465

C.O.	10611	476.47	gph (01/05
Date	Hours	Gallons	
01/07/13	10615	1906	
01/14/13	10615	0	
01/21/13	10632	8100	
01/28/13	10632	0	
02/04/13	10632	0	10006
02/11/13	10632	0	
02/18/13	10632	0	
02/25/13	10632	0	
03/04/13	10632	0	0
03/11/13	10632	0	
03/18/13	10632	0	
03/25/13	10632	0	
04/01/13	10632	0	0
04/08/13	10635	1429	
04/15/13	10635	0	
04/22/13	10642	3335	
04/29/13	10648	2859	
05/06/13	10656	3812	7624
05/13/13	10697	19535	
05/20/13	10697	0	
05/27/13	10697	0	
06/03/13	10697	0	23347
06/10/13	10710	6194	
06/17/13	10762	24776	
06/24/13	10762	0	
07/01/13	10762	0	30971
07/08/13	10788	12388	
07/15/13	10796	3812	
07/22/13	10818	10482	
07/29/13	10818	0	
08/05/13	10818	0	26682
08/12/13	10818	0	
08/19/13	10832	6671	
08/26/13	10840	3812	
09/02/13	10840	0	10482
09/09/13	10860	9529	
09/16/13	10890	14294	
09/23/13	10901	5241	
09/30/13	10910	4288	33353
10/07/13	10910	0	
10/14/13	10910	0	
10/21/13	10910	0	
10/28/13	10910	0	
11/04/13	10910	0	0
11/11/13	10910	0	
11/18/13	10910	0	
11/25/13	10910	0	
12/02/13	10910	0	0
12/09/13	10910	0	
12/16/13	10910	0	
12/23/13	10910	0	
12/30/13	10910	0	0
	Total	142465	

Tuesday	2/26/2013					
Wednesday	2/27/2013					
Thursday	2/28/2013					
Friday	3/1/2013					
Saturday	3/2/2013					
Sunday	3/3/2013					
Monday	3/4/2013					
Tuesday	3/5/2013		68497	68522.3	25.3	3.2
Wednesday	3/6/2013					
Thursday	3/7/2013		68522.3	68533.1	10.8	1.4
Friday	3/8/2013					
Saturday	3/9/2013	0.8				
Sunday	3/10/2013					
Monday	3/11/2013					
Tuesday	3/12/2013		68533.1	68541.9	8.8	1.1
Wednesday	3/13/2013		68541.9	68553	11.1	1.4
Thursday	3/14/2013		68553	68584.4	31.4	3.9
Friday	3/15/2013		68584.4	68627.3	42.9	5.4
Saturday	3/16/2013					
Sunday	3/17/2013					
Monday	3/18/2013					
Tuesday	3/19/2013		68627.3	68661.2	33.9	4.2
Wednesday	3/20/2013		68661.2	68697.6	36.4	4.6
Thursday	3/21/2013		68697.6	68708	10.4	1.3
Friday	3/22/2013	0.5				
Saturday	3/23/2013	0.2				
Sunday	3/24/2013					
Monday	3/25/2013		68708	68709.6	1.6	0.2
Tuesday	3/26/2013		68709.6	68735.6	26	3.3
Wednesday	3/27/2013		67735.6	67747.6	12	1.5
Thursday	3/28/2013		68747.6	68792.9	45.3	5.7
Friday	3/29/2013					
Saturday	3/30/2013					
Sunday	3/31/2013					
Monday	4/1/2013		68792.9	68820.9	28	3.5
Tuesday	4/2/2013					
Wednesday	4/3/2013					
Thursday	4/4/2013					
Friday	4/5/2013					
Saturday	4/6/2013					
Sunday	4/7/2013					
Monday	4/8/2013					
Tuesday	4/9/2013					
Wednesday	4/10/2013					
Thursday	4/11/2013					
Friday	4/12/2013					
Saturday	4/13/2013					
Sunday	4/14/2013					
Monday	4/15/2013		68820.9	68830	9.1	1.1
Tuesday	4/16/2013		68830	68868.7	38.7	4.6
Wednesday	4/17/2013		68868.7	68880	11.3	1.4
Thursday	4/18/2013					
Friday	4/19/2013					
Saturday	4/20/2013					
Sunday	4/21/2013					
Monday	4/22/2013		68880	68890	10	1.3
Tuesday	4/23/2013		68890	68904	14	1.8
Wednesday	4/24/2013					

Saturday	4/27/2013					
Sunday	4/28/2013					
Monday	4/29/2013					
Tuesday	4/30/2013					
Wednesday	5/1/2013					
Thursday	5/2/2013					
Friday	5/3/2013					
Saturday	5/4/2013					
Sunday	5/5/2013					
Monday	5/6/2013					
Tuesday	5/7/2013					
Wednesday	5/8/2013					
Thursday	5/9/2013					
Friday	5/10/2013					
Saturday	5/11/2013					
Sunday	5/12/2013					
Monday	5/13/2013					
Tuesday	5/14/2013					
Wednesday	5/15/2013					
Thursday	5/16/2013					
Friday	5/17/2013					
Saturday	5/18/2013					
Sunday	5/19/2013					
Monday	5/20/2013					
Tuesday	5/21/2013					
Wednesday	5/22/2013					
Thursday	5/23/2013					
Friday	5/24/2013					
Saturday	5/25/2013					
Sunday	5/26/2013					
Monday	5/27/2013					
Tuesday	5/28/2013					
Wednesday	5/29/2013					
Thursday	5/30/2013					
Friday	5/31/2013		0	290	290	36.3
Saturday	6/1/2013					
Sunday	6/2/2013					
Monday	6/3/2013					
Tuesday	6/4/2013					
Wednesday	6/5/2013					
Thursday	6/6/2013					
Friday	6/7/2013					
Saturday	6/8/2013					
Sunday	6/9/2013					
Monday	6/10/2013					
Tuesday	6/11/2013					
Wednesday	6/12/2013					
Thursday	6/13/2013					
Friday	6/14/2013					
Saturday	6/15/2013					
Sunday	6/16/2013					
Monday	6/17/2013					
Tuesday	6/18/2013					
Wednesday	6/19/2013					
Thursday	6/20/2013					
Friday	6/21/2013					
Saturday	6/22/2013					
Sunday	6/23/2013					

Wednesday	6/26/2013					
Thursday	6/27/2013					
Friday	6/28/2013					
Saturday	6/29/2013					
Sunday	6/30/2013		290	580	290	36.3
Monday	7/1/2013		68890	68904	14	1.8
Tuesday	7/2/2013					
Wednesday	7/3/2013					
Thursday	7/4/2013					
Friday	7/5/2013					
Saturday	7/6/2013					
Sunday	7/7/2013					
Monday	7/8/2013					
Tuesday	7/9/2013					
Wednesday	7/10/2013		68904	68930	26	3.3
Thursday	7/11/2013					
Friday	7/12/2013					
Saturday	7/13/2013					
Sunday	7/14/2013					
Monday	7/15/2013	1.7	68930	68960	30	3.8
Tuesday	7/16/2013	0.2				
Wednesday	7/17/2013	0.3				
Thursday	7/18/2013					
Friday	7/19/2013					
Saturday	7/20/2013					
Sunday	7/21/2013					
Monday	7/22/2013					
Tuesday	7/23/2013					
Wednesday	7/24/2013	1.0				
Thursday	7/25/2013		68960	68990	30	3.8
Friday	7/26/2013	2.1				
Saturday	7/27/2013					
Sunday	7/28/2013					
Monday	7/29/2013					
Tuesday	7/30/2013					
Wednesday	7/31/2013					
Thursday	8/1/2013					
Friday	8/2/2013					
Saturday	8/3/2013					
Sunday	8/4/2013					
Monday	8/5/2013					
Tuesday	8/6/2013		68990	69012	22	2.8
Wednesday	8/7/2013					
Thursday	8/8/2013					
Friday	8/9/2013	1.0				
Saturday	8/10/2013					
Sunday	8/11/2013					
Monday	8/12/2013					
Tuesday	8/13/2013	0.6				
Wednesday	8/14/2013					
Thursday	8/15/2013		69012	69055	43	5.4
Friday	8/16/2013					
Saturday	8/17/2013					
Sunday	8/18/2013					
Monday	8/19/2013					
Tuesday	8/20/2013					
Wednesday	8/21/2013					
Thursday	8/22/2013		69055	69100	45	5.6

Sunday	8/25/2013					
Monday	8/26/2013					
Tuesday	8/27/2013					
Wednesday	8/28/2013					
Thursday	8/29/2013		69100	69169	69	8.6
Friday	8/30/2013		69169	69202	33	4.1
Saturday	8/31/2013					
Sunday	9/1/2013					
Monday	9/2/2013					
Tuesday	9/3/2013					
Wednesday	9/4/2013					
Thursday	9/5/2013					
Friday	9/6/2013					
Saturday	9/7/2013					
Sunday	9/8/2013					
Monday	9/9/2013					
Tuesday	9/10/2013					
Wednesday	9/11/2013		69202	69242	40	5.0
Thursday	9/12/2013		69242	69269	27	3.4
Friday	9/13/2013					
Saturday	9/14/2013					
Sunday	9/15/2013					
Monday	9/16/2013		69269	69278	9	1.1
Tuesday	9/17/2013					
Wednesday	9/18/2013					
Thursday	9/19/2013					
Friday	9/20/2013	0.2				
Saturday	9/21/2013					
Sunday	9/22/2013					
Monday	9/23/2013		69278	69307	29	3.6
Tuesday	9/24/2013		69307	69356	49	6.1
Wednesday	9/25/2013					
Thursday	9/26/2013		69356	69362	6	0.8
Friday	9/27/2013		69362	69385	23	2.9
Saturday	9/28/2013	0.6				
Sunday	9/29/2013					
Monday	9/30/2013					
Tuesday	10/1/2013					
Wednesday	10/2/2013		69385	69410	25	3.1
Thursday	10/3/2013		69410	69429	19	2.4
Friday	10/4/2013					
Saturday	10/5/2013	1.0				
Sunday	10/6/2013					
Monday	10/7/2013					
Tuesday	10/8/2013					
Wednesday	10/9/2013					
Thursday	10/10/2013		69429	69442	13	1.6
Friday	10/11/2013					
Saturday	10/12/2013					
Sunday	10/13/2013	0.4				
Monday	10/14/2013	1.8	69442	69454	12	1.5
Tuesday	10/15/2013	0.7				
Wednesday	10/16/2013					
Thursday	10/17/2013					
Friday	10/18/2013					
Saturday	10/19/2013					
Sunday	10/20/2013					
Monday	10/21/2013					

Thursday	10/24/2013		69461	69470	9	1.1
Friday	10/25/2013					
Saturday	10/26/2013	0.7				
Sunday	10/27/2013					
Monday	10/28/2013					
Tuesday	10/29/2013					
Wednesday	10/30/2013	0.4	69470	69505	35	4.4
Thursday	10/31/2013		69505	69512	7	0.9
Friday	11/1/2013					
Saturday	11/2/2013					
Sunday	11/3/2013					
Monday	11/4/2013					
Tuesday	11/5/2013	0.9				
Wednesday	11/6/2013	1.2				
Thursday	11/7/2013					
Friday	11/8/2013					
Saturday	11/9/2013					
Sunday	11/10/2013					
Monday	11/11/2013					
Tuesday	11/12/2013					
Wednesday	11/13/2013					
Thursday	11/14/2013					
Friday	11/15/2013		69512	69516	4	0.5
Saturday	11/16/2013					
Sunday	11/17/2013					
Monday	11/18/2013					
Tuesday	11/19/2013					
Wednesday	11/20/2013					
Thursday	11/21/2013					
Friday	11/22/2013	0.3				
Saturday	11/23/2013					
Sunday	11/24/2013					
Monday	11/25/2013					
Tuesday	11/26/2013					
Wednesday	11/27/2013					
Thursday	11/28/2013					
Friday	11/29/2013					
Saturday	11/30/2013					
Sunday	12/1/2013					
Monday	12/2/2013					
Tuesday	12/3/2013					
Wednesday	12/4/2013					
Thursday	12/5/2013					
Friday	12/6/2013					
Saturday	12/7/2013					
Sunday	12/8/2013					
Monday	12/9/2013					
Tuesday	12/10/2013					
Wednesday	12/11/2013	0.5				
Thursday	12/12/2013					
Friday	12/13/2013					
Saturday	12/14/2013					
Sunday	12/15/2013					
Monday	12/16/2013	0.3				
Tuesday	12/17/2013					
Wednesday	12/18/2013					
Thursday	12/19/2013					
Friday	12/20/2013					

Monday	12/23/2013						
Tuesday	12/24/2013						
Wednesday	12/25/2013						
Thursday	12/26/2013						
Friday	12/27/2013						
Saturday	12/28/2013						
Sunday	12/29/2013						
Monday	12/30/2013						
Tuesday	12/31/2013			0	0	0.0	
		26.5		69516	1687	211	948937.5

2013
Rain fall

JANUARY	AMOUNT	COMMENTS	MONTH	YTD 2013	2012
1-Jan					
2-Jan					
3-Jan					
4-Jan					
5-Jan					
6-Jan					
7-Jan					
8-Jan					
9-Jan	0.5				
10-Jan	0.7				
11-Jan					
12-Jan					
13-Jan	0.2				
14-Jan					
15-Jan					
16-Jan					
17-Jan					
18-Jan					
19-Jan					
20-Jan					
21-Jan					
22-Jan	0.3				
23-Jan					
24-Jan					
25-Jan					
26-Jan					
27-Jan					
28-Jan					
29-Jan	1				
30-Jan					
31-Jan					
			2.7	2.7	4.4

FEBUARY	AMOUNT	COMMENTS	MONTH	YTD 2013	2012
1-Feb					
2-Feb					
3-Feb					
4-Feb					
5-Feb					
6-Feb	0.2				
7-Feb					
8-Feb					
9-Feb	0.5				
10-Feb					
11-Feb					
12-Feb	0.9				
13-Feb					
14-Feb					
15-Feb					
16-Feb					
17-Feb					
18-Feb					
19-Feb	1.3				
20-Feb					
21-Feb					
22-Feb					
23-Feb					
24-Feb					
25-Feb	0.5				
26-Feb					
27-Feb					
28-Feb					
29-Feb					
			3.4	6.1	6.3

MARCH	AMOUNT	COMMENTS	MONTH	YTD 2013	2012
1-Mar					
2-Mar					
3-Mar					
4-Mar					
5-Mar					
6-Mar					
7-Mar					
8-Mar					
9-Mar	0.8				
10-Mar					
11-Mar					
12-Mar					
13-Mar					
14-Mar					
15-Mar					
16-Mar					
17-Mar					
18-Mar					
19-Mar					
20-Mar					
21-Mar					
22-Mar	0.5				
23-Mar	0.2				
24-Mar					
25-Mar					
26-Mar					
27-Mar					
28-Mar					
29-Mar					
30-Mar					
31-Mar			1.5	7.6	12.5

APRIL	AMOUNT	COMMENTS	MONTH	YTD 2013	2012
1-Apr					
2-Apr	0.7				
3-Apr	0.5				
4-Apr					
5-Apr					
6-Apr					
7-Apr					
8-Apr					
9-Apr					
10-Apr	0.6				
11-Apr					
12-Apr					
13-Apr					
14-Apr					
15-Apr					
16-Apr					
17-Apr					
18-Apr	0.3				
19-Apr					
20-Apr					
21-Apr					
22-Apr		drizzle			
23-Apr					
24-Apr					
25-Apr					
26-Apr					
27-Apr					
28-Apr					
29-Apr					
30-Apr			2.1	9.7	14.9

MAY	AMOUNT	COMMENTS	MONTH	YTD 2013	2012
1-May					
2-May					
3-May					
4-May					
5-May					
6-May					
7-May					
8-May					
9-May					
10-May					
11-May					
12-May					
13-May					
14-May					
15-May	2.5				
16-May					
17-May					
18-May					
19-May					
20-May					
21-May					
22-May					
23-May					
24-May					
25-May					
26-May	5.7				
27-May	0.6				
28-May					
29-May					
30-May	1				
31-May					
			9.8	19.5	16.7

JUNE	AMOUNT	COMMENTS	MONTH	YTD 2013	2012
1-Jun	1.5				
2-Jun					
3-Jun					
4-Jun	1				
5-Jun	0.4				
6-Jun	1.2				
7-Jun					
8-Jun					
9-Jun					
10-Jun					
11-Jun					
12-Jun					
13-Jun					
14-Jun					
15-Jun					
16-Jun					
17-Jun	1.1				
18-Jun					
19-Jun					
20-Jun					
21-Jun					
22-Jun					
23-Jun					
24-Jun					
25-Jun					
26-Jun					
27-Jun					
28-Jun					
29-Jun					
30-Jun					
			5.2	24.7	18.4

JULY	AMOUNT	COMMENTS
1-Jul		
2-Jul		
3-Jul		
4-Jul		
5-Jul		
6-Jul		
7-Jul		
8-Jul		
9-Jul		
10-Jul		
11-Jul		
12-Jul		
13-Jul		
14-Jul		
15-Jul	1.7	
16-Jul	0.2	
17-Jul	0.3	
18-Jul		
19-Jul		
20-Jul		
21-Jul		
22-Jul		
23-Jul		
24-Jul	1	
25-Jul		
26-Jul	2.1	
27-Jul		
28-Jul		
29-Jul		
30-Jul		
31-Jul		

MONTH	YTD 2013	YTD 2012
5.3	30	19.1

AUGUST	AMOUNT	COMMENTS
1-Aug		
2-Aug		
3-Aug		
4-Aug		
5-Aug		
6-Aug		
7-Aug		
8-Aug		
9-Aug	1	
10-Aug		
11-Aug		
12-Aug		
13-Aug	0.6	
14-Aug		
15-Aug		
16-Aug		
17-Aug		
18-Aug		
19-Aug		
20-Aug		
21-Aug		
22-Aug		
23-Aug		
24-Aug		
25-Aug		
26-Aug		
27-Aug		
28-Aug		
29-Aug		
30-Aug		
31-Aug		

MONTH	YTD 2013	YTD 2012
1.6	31.6	20.2

SEPTEMBER	AMOUNT	COMMENTS	MONTH	YTD 2013	2012
1-Sep					
2-Sep					
3-Sep					
4-Sep					
5-Sep					
6-Sep					
7-Sep					
8-Sep					
9-Sep					
10-Sep					
11-Sep					
12-Sep					
13-Sep					
14-Sep					
15-Sep					
16-Sep					
17-Sep					
18-Sep					
19-Sep					
20-Sep	0.2				
21-Sep					
22-Sep					
23-Sep					
24-Sep					
25-Sep					
26-Sep					
27-Sep					
28-Sep	0.6				
29-Sep					
30-Sep			0.8	32.4	21.5

OCTOBER	AMOUNT	COMMENTS	MONTH	YTD 2013	2012
1-Oct					
2-Oct					
3-Oct					
4-Oct					
5-Oct	1				
6-Oct					
7-Oct					
8-Oct					
9-Oct					
10-Oct					
11-Oct					
12-Oct					
13-Oct	0.4				
14-Oct	1.8				
15-Oct	0.65				
16-Oct					
17-Oct					
18-Oct					
19-Oct					
20-Oct					
21-Oct					
22-Oct					
23-Oct					
24-Oct					
25-Oct					
26-Oct	0.7				
27-Oct					
28-Oct					
29-Oct					
30-Oct	0.4				
31-Oct			4.95	37.35	24.1

NOVEMBER	AMOUNT	COMMENTS	MONTH	YTD 2013	2012
1-Nov					
2-Nov					
3-Nov					
4-Nov					
5-Nov	0.9				
6-Nov	1.2				
7-Nov					
8-Nov					
9-Nov					
10-Nov					
11-Nov					
12-Nov					
13-Nov					
14-Nov					
15-Nov					
16-Nov					
17-Nov					
18-Nov					
19-Nov					
20-Nov					
21-Nov					
22-Nov	0.3				
23-Nov					
24-Nov					
25-Nov					
26-Nov					
27-Nov					
28-Nov					
29-Nov					
30-Nov			2.4	39.75	24.8

DECEMBER	AMOUNT	COMMENTS	MONTH	YTD 2013	2012
1-Dec					
2-Dec					
3-Dec					
4-Dec					
5-Dec					
6-Dec		Snow and Ice Freezing temps			
7-Dec		Snow and Ice Freezing temps			
8-Dec		Snow and Ice Freezing temps			
9-Dec		Snow and Ice Freezing temps			
10-Dec		Snow and Ice Freezing temps			
11-Dec	0.5	Snow and Ice Freezing temps			
12-Dec					
13-Dec					
14-Dec					
15-Dec					
16-Dec	0.3				
17-Dec					
18-Dec					
19-Dec					
20-Dec					
21-Dec	3				
22-Dec					
23-Dec					
24-Dec					
25-Dec					
26-Dec					
27-Dec					
28-Dec					
29-Dec					
30-Dec					
31-Dec			3.8	43.55	26.25

MILL CREEK DOLOMITE, LLC
PIT WATER MONITORING DATA

SUMP DATA:

SUMP A: 12,925 Ft^2

SUMP B: 8,307 Ft^2

SETTLING POND DATA:

SETTLING POND A: 30,000 Ft^2 (F-02, MAP 3 – SSWMCP)

SETTLING POND B: 35,000 Ft^2 (F-01, MAP 3 – SSWMCP)

PRODUCTION DATA:

Tons mined and shipped to the plant at 2.5% moisture:

MONTH	TONS	MOISTURE %
January	19,432	2.5
February	13,132	2.5
March	14,308	2.5
Total	46,872	

Calculations for gallons of water shipped to the Plant:

46,872 x 0.025 = 1,171.8 tons or 2,343,600 lbs
Gallons = 2,343,600 lbs x 7.481 gal/62.4lbs = 280,969 gallons of water

Misc. Water Data:
List of Equivalents:
Volume Units
One Gallon
= 231 cubic inches
= 0.13368 cubic foot weighs approximately 8.3 pounds

One Cubic Foot
= 1,728 cubic inches
= 7.481 gallons (7.5 for ordinary calculations) weighs 62.4 pounds (62.5 for ordinary calculations)

MILL CREEK DOLOMITE, LLC
PIT WATER MONITORING DATA

SUMP DATA:

SUMP A: 12,925 Ft^2

SUMP B: 8,307 Ft^2

SETTLING POND DATA:

SETTLING POND A: 30,000 Ft^2 (F-02, MAP 3 – SSWMCP)

SETTLING POND B: 35,000 Ft^2 (F-01, MAP 3 – SSWMCP)

PRODUCTION DATA:

Tons mined and shipped to the plant at 2.5% moisture:

MONTH	TONS	MOISTURE %
April	20,076	2.5
May	17,388	3.0
June	17,108	2.5
Total	54,572	

Calculations for gallons of water shipped to the Plant:

37,184 x 0.025 = 959.6 tons or 1,859,200 lbs
17,388 x 0.030 = 521.6 tons or 1,043,280 lbs
Total lbs = 2,902,480 lbs
Gallons = 2,902,480 lbs x 7.481 gal/62.4lbs = 347,972 gallons of water

Misc. Water Data:
List of Equivalents:
Volume Units
One Gallon
= 231 cubic inches
= 0.13368 cubic foot weighs approximately 8.3 pounds

One Cubic Foot
= 1,728 cubic inches
= 7.481 gallons (7.5 for ordinary calculations) weighs 62.4 pounds (62.5 for ordinary calculations)

MILL CREEK DOLOMITE, LLC
PIT WATER MONITORING DATA

SUMP DATA:

SUMP A: 12,925 Ft^2

SUMP B: 8,307 Ft^2

SETTLING POND DATA:

SETTLING POND A: 30,000 Ft^2 (F-02, MAP 3 – SSWMCP)

SETTLING POND B: 35,000 Ft^2 (F-01, MAP 3 – SSWMCP)

PRODUCTION DATA:

Tons mined and shipped to the plant at 2.5% moisture:

MONTH	TONS	MOISTURE %
July	15,863	3.0
August	15,780	2.0
September	18,523	2.5
Total	50,166	

Calculations for gallons of water shipped to the Plant:

15,863 x 0.030 = 475.9 tons or 951,780 lbs
15,780 x 0.020 = 315.6 tons or 631,200 lbs
18,523 x 0.025 = 463.1 tons or 926,150 lbs
Total lbs = 2,509,130 lbs
Gallons = 2,509,130 lbs x 1 gal/8.3 lbs = 302,304 gallons of water

Misc. Water Data:
List of Equivalents:
Volume Units
One Gallon
= 231 cubic inches
= 0.13368 cubic foot weighs approximately 8.3 pounds

One Cubic Foot
= 1,728 cubic inches
= 7.481 gallons (7.5 for ordinary calculations) weighs 62.4 pounds (62.5 for ordinary calculations)

MILL CREEK DOLOMITE, LLC
PIT WATER MONITORING DATA

SUMP DATA:

SUMP A: 12,925 Ft^2

SUMP B: 8,307 Ft^2

SETTLING POND DATA:

SETTLING POND A: 30,000 Ft^2 (F-02, MAP 3 – SSWMCP)

SETTLING POND B: 35,000 Ft^2 (F-01, MAP 3 – SSWMCP)

PRODUCTION DATA:

Tons mined and shipped to the plant at 2.5% moisture:

MONTH	TONS	MOISTURE %
October	17,629	3.0
November	11,154	2.0
December	15,051	2.5
Total	43,834	

Calculations for gallons of water shipped to the Plant:

17,629 x 0.030 = 528.87 tons or 1,057,740 lbs
11,154 x 0.020 = 223.08 tons or 446,160 lbs
15,051 x 0.025 = 376.28 tons or 752,550 lbs
Total lbs = 2,256,450 lbs
Gallons = 2,256,450 lbs x 1 gal/8.3 lbs = 271,861 gallons of water

Misc. Water Data:
List of Equivalents:
Volume Units
One Gallon
= 231 cubic inches
= 0.13368 cubic foot weighs approximately 8.3 pounds

One Cubic Foot
= 1,728 cubic inches
= 7.481 gallons (7.5 for ordinary calculations) weighs 62.4 pounds (62.5 for ordinary calculations)