

	<u>Monthly Usage</u>	<u>Days</u>	<u>Avg Day</u>
1-9-09	0	32	0
2-11-09	0	33	0
3-12-09	0	29	0
4-9-09	0	28	0
5-11-09	28000	32	875
6-9-09	640	29	22.07
7-10-09	2710	31	87.42
8-11-09	1760	32	55
9-30-09	1310	28	46.79
10-8-09	980	30	32.67
11-9-09	0	32	0
12-15-09	0	36	0

<u>Days</u>	<u>Total</u>	<u>Avg. Day</u>
120	6420	53.5

1 gal/lot or .69/bather

1-15-10	0	31	0
2-16-10	0	32	0
3-17-10	0	29	0
4-14-10	990	28	35.36
5-17-10	30130	33	913
6-14-10	2170	28	77.50
7-16-10	4560	32	142.50
8-12-10	4570	27	169.26
9-7-10	13620	26	523.85
10-7-10	3780	30	126
11-8-10	60	32	1.88
12-14-10	0	36	0

Pool Upgraded This Year

<u>Days</u>	<u>Total</u>	<u>Avg. Day</u>
113	24920	220.53

4.15g/lot or 2.76g/bather

1-14-11	0	31	0
2-10-11	0	27	0
3-10-11	0	28	0
4-8-11	0	29	0
5-11-11	39230	33	1006.97
6-10-11	2360	30	78.67
7-12-11	4460	32	139.38
8-9-11	8260	28	295
9-9-11	2500	31	80.65
10-13-11	0	34	0
11-18-11	0	36	0
12-13-11	0	25	0

Use June, July + August

<u>Days</u>	<u>Total</u>	<u>Avg. Day</u>
87	11300	129.88

2.45/lot or 1.62g/bather

<u>Days</u>	<u>Total</u>	<u>Avg. Day</u>
121	17580	145.29

2.73g/lot or 1.82g/bather

	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>Avg</u>
Gal/lot	2.18	1.85	1.0	2.45	2.73	2.042 gal/lot
Gal/bather	1.45	1.23	.69	1.62	1.82	1.362 gal/bather

Trotter's Ridge potential 110 lots

$$\begin{array}{r}
 2.042 \text{ gal/lot} \\
 \times 110 \text{ lots} \\
 \hline
 224.62 \text{ gal/day} \\
 \times 2 \text{ peaking factor} \\
 \hline
 449.24 \text{ gpd}
 \end{array}$$

$$\begin{array}{r}
 1.362 \text{ gal/bather} \\
 \times 80 \text{ bather load} \\
 \hline
 108.96 \text{ gal/day} \\
 \times 2 \text{ peaking factor} \\
 \hline
 217.92 \text{ gpd}
 \end{array}$$

Using the past 5 yrs records of a similar pool and a peaking factor of 2, the design daily flow of 800 gpd greatly exceeds the projected usage based on the number of lots or bather load.