



## Lockerbie Pool - Demand Model

## Appendix A

Mid 2007 population estimate	148,300
Total properties in analysis	72,206
Average occupancy	2.05

### Swimming

Estimated total demand/week in D&G Leisure and Sports Facilities Strategy	12,966
Population on which this demand is based	141,096
Total demand per 1000 people per week	91.9
Peak period demand per week	63%

Catchment	Properties	Average occupancy	People	% of adult demand	Total demand per week per 1000 population	Maximum potential demand	Distance decay factor	Realistic total demand per week	Realistic junior demand per week	Realistic adult demand per week
0-1 km	1,117	2.05	2,294	74%	91.9	211	100%	211	55	156
1-2 km	1,003	2.05	2,060	74%	91.9	189	95%	180	47	133
2-3 km	61	2.05	125	74%	91.9	11	90%	10	3	8
3-4 km	123	2.05	253	74%	91.9	23	85%	20	5	15
4-5 km	909	2.05	1,867	74%	91.9	172	80%	137	36	102
5-6 km	428	2.05	879	74%	91.9	81	75%	61	16	45
6-7 km	237	2.05	487	74%	91.9	45	70%	31	8	23
7-8 km	97	2.05	199	74%	91.9	18	65%	12	3	9
8-12 km	502	2.05	1,031	74%	91.9	95	60%	57	15	42
12-16 km	224	2.05	460	74%	91.9	42	50%	21	5	16
16-20 km	162	2.05	333	74%	91.9	31	40%	12	3	9
20-24 km	2,834	2.05	5,821	74%	91.9	535	20%	107	28	79
<b>Total potential demand</b>						<b>1,453</b>		<b>859</b>	<b>223</b>	<b>636</b>
<b>Peak period demand</b>						<b>915</b>		<b>541</b>	<b>141</b>	<b>400</b>

### Fitness

Estimated total demand/week in D&G Leisure and Sports Facilities Strategy	21,799
Population on which this demand is based	141,096
Total demand per 1000 people per week	154.5
Peak period demand per week	65%

Catchment	Properties	Average occupancy	People	% of adult demand	Total demand per week per 1000 population	Maximum potential demand	Distance decay factor	Realistic total demand per week	Realistic junior demand per week	Realistic adult demand per week
0-1 km	1,117	2.05	2,294	100%	154.5	354	100%	354	0	354
1-2 km	1,003	2.05	2,060	100%	154.5	318	95%	302	0	302
2-3 km	61	2.05	125	100%	154.5	19	90%	17	0	17
3-4 km	123	2.05	253	100%	154.5	39	85%	33	0	33
4-5 km	909	2.05	1,867	100%	154.5	288	80%	231	0	231
5-6 km	428	2.05	879	100%	154.5	136	75%	102	0	102
6-7 km	237	2.05	487	100%	154.5	75	70%	53	0	53
7-8 km	97	2.05	199	100%	154.5	31	65%	20	0	20
8-12 km	502	2.05	1,031	100%	154.5	159	60%	96	0	96
12-16 km	224	2.05	460	100%	154.5	71	50%	36	0	36
16-20 km	162	2.05	333	100%	154.5	51	40%	21	0	21
20-24 km	2,834	2.05	5,821	100%	154.5	899	20%	180	0	180
<b>Total potential demand</b>						<b>2,442</b>		<b>1,444</b>	<b>0</b>	<b>1,444</b>
<b>Peak period demand</b>						<b>1,588</b>		<b>939</b>	<b>0</b>	<b>939</b>