

Georges River Council**Kogarah**

ASSUMPTIONS

Manual Input

1 **INVENTORY - Weekday**

* Capacity by category at peak (11:00)

INVENTORY 2018

PARKING INVENTORY 2018						
Restriction	# of Spaces at peak	On Street	Off Street			Total
Unrestricted*	209	209	0			209
1P	158	158	0			158
2P	654	654	0			654
3P	218	0	218			218
4P	4	4	0			4
Disabled	22	16	6			22
Other Time Restricted**	118	118	0			118
No Parking/Unrestricted	42	42	0			42
Other Zones***	115	86	29			115
Total	1,540	1,287	253			1540

*Unrestricted - 24 Hours / 7 Days Unrestricted

**Other Time Restricted - P5mins, P10mins, 1/4P, 1/2P and 4P etc.

*** Other Zones - Loading Zone, Taxi Zone, Mail Zone and Reserved Bays (i.e. Council Vehicle, Police Vehicle etc.).

INVENTORY 2023 YEARS

PARKING INVENTORY 2023						
Restriction	# of Spaces at peak	On Street	Off Street			Total
Unrestricted*	209	209	0			209
1P	158	158	0			158
2P	654	654	0			654
3P	218	0	218			218
4P	4	4	0			4
Disabled	22	16	6			22
Other Time Restricted**	118	118	0			118
No Parking/Unrestricted	42	42	0			42
Other Zones***	115	86	29			115
Total	1,540	1,287	253			1540

INVENTORY 2028 YEARS

Assume no change

PARKING INVENTORY 2028						
Restriction	# of Spaces at peak	On Street	Off Street			Total
Unrestricted*	209	209	0			209
1P	158	158	0			158
2P	654	654	0			654
3P	218	0	218			218
4P	4	4	0			4
Disabled	22	16	6			22
Other Time Restricted**	118	118	0			118
No Parking/Unrestricted	42	42	0			42
Other Zones***	115	86	29			115
Total	1,540	1,287	253			1540

**Georges River Council
Kogarah**

Manual Input

INVENTORY 2033

Assume no change

PARKING INVENTORY 2033						
Restriction	# of Spaces at peak	On Street	Off Street			Total
Unrestricted*	209	209	0			209
1P	158	158	0			158
2P	654	654	0			654
3P	218	0	218			218
4P	4	4	0			4
Disabled	22	16	6			22
Other Time Restricted**	118	118	0			118
No Parking/Unrestricted	42	42	0			42
Other Zones***	115	86	29			115
Total	1,540	1,287	253			1540

INVENTORY 2038

Assume no change

PARKING INVENTORY 2038						
Restriction	# of Spaces at peak	On Street	Off Street			Total
Unrestricted*	209	209	0			209
1P	158	158	0			158
2P	654	654	0			654
3P	218	0	218			218
4P	4	4	0			4
Disabled	22	16	6			22
Other Time Restricted**	118	118	0			118
No Parking/Unrestricted	42	42	0			42
Other Zones***	115	86	29			115
Total	1,540	1,287	253			1540

2 **Occupancy**

* Excluded bus zones

Parking Restriction	CURRENT YEAR On Street Peak Occupancy %	CURRENT YEAR Off Street Peak Occupancy %
Unrestricted*	98.6%	N/A
1P	94.3%	N/A
2P	83.9%	N/A
3P	N/A	86.7%
4P	100.0%	N/A
Disabled	93.8%	100.0%
Other Time Restricted**	80.5%	N/A
No Parking/Unrestricted	52.4%	N/A

Notes

Manual Entry

* source Parking Surveys

**Georges River Council
Kogarah**

Manual Input

3 **% Growth**

Population Growth

Population Growth

2018-2023 % Growth	2023-2028 % Growth	2028-2033 % Growth	2033-2038 % Growth
4.79%	4.79%	4.79%	4.79%

*Please input

4 **Modal Shift Factor**

Reduction for change in travel mode

2018-2023 % Change	2023-2028 % Change	2028-2033 % Change	2033-2038 % Change
5.00%	5.00%	5.00%	5.00%

*Please input

5 **Parking Supply**

Available public parking spaces at peak excluding no parking spaces and mail, loading, bus and taxi zones.

6 **Base Year**

2018

Georges River Council
Kogarah
SPACES USED AT PEAK OCCUPANCY

CALCULATION SPACES USED AT PEAK OCCUPANCY BY DEMAND DRIVER WEEKDAYS

	ON STREET WEEKDAY INVENTORY*					OFF STREET WEEKDAY INVENTORY*					2018 On Street		2018 Off Street	
	2018	2023	2028	2033	2038	2018	2023	2028	2033	2038	Study Area Peak Occupancy	Spaces Used	Study Area Peak Occupancy	Spaces Used
	Spaces	Spaces	Spaces	Spaces	Spaces	Spaces	Spaces	Spaces	Spaces	Spaces	%	#	%	#
Unrestricted*	209	209	209	209	209	0	0	0	0	0	98.6%	206	N/A	0
1P	158	158	158	158	158	0	0	0	0	0	94.3%	149	N/A	0
2P	654	654	654	654	654	0	0	0	0	0	83.9%	549	N/A	0
3P	0	0	0	0	0	218	218	218	218	218	N/A	0	86.7%	189
4P	4	4	4	4	4	0	0	0	0	0	100.0%	4	N/A	0
Disabled	16	16	16	16	16	6	6	6	6	6	93.8%	15	100.0%	6
Other Time Restricted*	118	118	118	118	118	0	0	0	0	0	80.5%	95	N/A	0
No Parking/Unrestricted	42	42	42	42	42	0	0	0	0	0	52.4%	22	N/A	0
Total	1,201	1,201	1,201	1,201	1,201	224	224	224	224	224	86.6%	1,040	87.1%	195

* Available spaces at peak excluding Other Zones

CALCULATION PROJECTED SPACES USED by % Growth based on Population Growth

Based on occupancy

WEEKDAYS	2018	2023	2028	2033	2038
	Spaces Used #	% Growth Spaces Used #	% Growth Spaces Used #	% Growth Spaces Used #	% Growth Spaces Used #
On Street Restricted	834	874	916	960	1,006
On street Unrestricted	206	216	226	237	248
Subtotal On Street	1,040	1,090	1,142	1,197	1,254
Off Street Restricted	195	204	214	224	235
Off street Unrestricted	0	0	0	0	0
Subtotal Off Street	195	204	214	224	235
TOTAL	1,235	4.79%	1,294	4.79%	1,356

CALCULATIONS based on Population Growth

Based on occupancy

WEEKDAYS	2018			2023			2028			2033			2038			Occupancy at peak					Occupancy after Adj Travel Mode at peak												
	# Car Spaces	# Spaces Used	Excess/Shortfall	# Car Spaces	# Spaces Used	Excess/Shortfall	# Spaces Used after Adj in Travel Mode	Excess/Shortfall after Adj in Travel Mode	# Car Spaces	# Spaces Used	Excess/Shortfall	# Spaces Used after Adj in Travel Mode	Excess/Shortfall after Adj in Travel Mode	# Car Spaces	# Spaces Used	Excess/Shortfall	# Spaces Used after Adj in Travel Mode	Excess/Shortfall after Adj in Travel Mode	# Car Spaces	# Spaces Used	Excess/Shortfall	# Spaces Used after Adj in Travel Mode	Excess/Shortfall after Adj in Travel Mode	2018	2023	2028	2033	2038	2018	2023	2028	2033	2038
On street Restricted	992	834	158	992	874	118	830	162	992	916	76	826	166	992	960	32	823	169	992	1,006	-14	819	173	84%	88%	92%	97%	101%	84%	84%	83%	83%	83%
On street Unrestricted	209	206	3	209	216	-7	205	4	209	226	-17	204	5	209	237	-28	203	6	209	248	-39	202	7	99%	103%	108%	113%	119%	99%	98%	97%	97%	
Subtotal On Street	1,201	1,040	161	1,201	1,090	111	1,035	166	1,201	1,142	59	1,031	170	1,201	1,197	4	1,026	175	1,201	1,254	-53	1,021	180	87%	91%	95%	100%	104%	87%	86%	86%	85%	85%
Off street Restricted	224	195	29	224	204	20	194	30	224	214	10	193	31	224	224	0	192	32	224	235	-11	192	32	87%	91%	96%	100%	105%	87%	87%	86%	86%	85%
Off street Unrestricted	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Subtotal Off Street	224	195	29	224	204	20	194	30	224	214	10	193	31	224	224	0	192	32	224	235	-11	192	32	87%	91%	96%	100%	105%	87%	87%	86%	86%	85%
TOTAL	1,425	1,235	190	1,425	1,294	131	1,229	196	1,425	1,356	69	1,224	201	1,425	1,421	4	1,218	207	1,425	1,489	-64	1,213	212	87%	91%	95%	100%	104%	87%	86%	86%	85%	85%
% Total Supply		87%	13%		91%	9%	86%	14%		95%	5%	86%	14%		100%	0%	85%	15%		104%	-4%	85%	15%										

	2018-2023	2023-2028	2028-2033	2033-2038
	% Change (Reduction)	% Change (Reduction)	% Change (Reduction)	% Change (Reduction)
Target %				
On street Restricted	85.00%	3.5%	4.6%	4.6%
On street Unrestricted	85.00%	17.7%	4.6%	4.6%
Subtotal On Street	85.00%	6.3%	4.6%	4.6%
Off street Restricted	85.00%	6.8%	4.6%	4.6%
Off street Unrestricted	85.00%	N/A	N/A	N/A
Subtotal Off Street	85.00%	6.8%	4.6%	4.6%
TOTAL	85.00%	6.4%	4.6%	4.6%

**Georges River Council
Hurstville**

Manual Input

ASSUMPTIONS

1 **INVENTORY - Weekday**

* Capacity by category at peak (15:00)

INVENTORY 2018

PARKING INVENTORY 2018						
Restriction	# of Spaces at peak	On Street	Off Street			Total
Unrestricted*	1,670	1656	14			1670
All Day Ticket	89	0	89			89
1P	265	233	32			265
2P	71	71	0			71
3P	316	0	316			316
4P	236	236	0			236
Disabled	20	11	9			20
Other Time Restricted**	184	184	0			184
No Parking/Unrestricted	79	79	0			79
Other Zones***	127	111	16			127
Total	3,057	2,581	476			3057

*Unrestricted - 24 Hours / 7 Days Unrestricted

**Other Time Restricted - P5mins, P10mins, 1/4P, 1/2P and 4P etc.

*** Other Zones - Loading Zone, Taxi Zone, Mail Zone and Reserved Bays (i.e. Council Vehicle, Police Vehicle etc.).

INVENTORY 2023 YEARS

PARKING INVENTORY 2023						
Restriction	# of Spaces at peak	On Street	Off Street			Total
Unrestricted*	1,670	1656	14			1670
All Day Ticket	89	0	89			89
1P	265	233	32			265
2P	71	71	0			71
3P	316	0	316			316
4P	236	236	0			236
Disabled	20	11	9			20
Other Time Restricted**	184	184	0			184
No Parking/Unrestricted	79	79	0			79
Other Zones***	127	111	16			127
Total	3,057	2,581	476			3057

INVENTORY 2028 YEARS

Assume no change

PARKING INVENTORY 2028						
Restriction	# of Spaces at peak	On Street	Off Street			Total
Unrestricted*	1,670	1656	14			1670
All Day Ticket	89	0	89			89
1P	265	233	32			265
2P	71	71	0			71
3P	316	0	316			316
4P	236	236	0			236
Disabled	20	11	9			20
Other Time Restricted**	184	184	0			184
No Parking/Unrestricted	79	79	0			79
Other Zones***	127	111	16			127
Total	3,057	2,581	476			3057

**Georges River Council
Hurstville**

Manual Input

INVENTORY 2033

Assume no change

PARKING INVENTORY 2033						
Restriction	# of Spaces at peak	On Street	Off Street			Total
Unrestricted*	1,670	1656	14			1670
All Day Ticket	89	0	89			89
1P	265	233	32			265
2P	71	71	0			71
3P	316	0	316			316
4P	236	236	0			236
Disabled	20	11	9			20
Other Time Restricted**	184	184	0			184
No Parking/Unrestricted	79	79	0			79
Other Zones***	127	111	16			127
Total	3,057	2,581	476			3057

INVENTORY 2038

Assume no change

PARKING INVENTORY 2038						
Restriction	# of Spaces at peak	On Street	Off Street			Total
Unrestricted*	1,670	1656	14			1670
All Day Ticket	89	0	89			89
1P	265	233	32			265
2P	71	71	0			71
3P	316	0	316			316
4P	236	236	0			236
Disabled	20	11	9			20
Other Time Restricted**	184	184	0			184
No Parking/Unrestricted	79	79	0			79
Other Zones***	127	111	16			127
Total	3,057	2,581	476			3057

2 **Occupancy**

* Excluded bus zones

Parking Restriction	CURRENT YEAR On Street Peak Occupancy %	CURRENT YEAR Off Street Peak Occupancy %
Unrestricted*	83.3%	85.7%
All Day Ticket	N/A	85.4%
1P	78.5%	68.8%
2P	85.9%	N/A
3P	N/A	68.4%
4P	57.6%	N/A
Disabled	81.8%	55.6%
Other Time Restricted**	76.1%	N/A
No Parking/Unrestricted	73.4%	N/A

Notes

Manual Entry

* source Parking Surveys

**Georges River Council
Hurstville**

Manual Input

3 **% Growth**

Population Growth

Population Growth

2018-2023 % Growth	2023-2028 % Growth	2028-2033 % Growth	2033-2038 % Growth
4.79%	4.79%	4.79%	4.79%

*Please input

4 **Modal Shift Factor**

Reduction for change in travel mode

2018-2023 % Change	2023-2028 % Change	2028-2033 % Change	2033-2038 % Change
5.00%	5.00%	5.00%	5.00%

*Please input

5 **Parking Supply**

Available public parking spaces at peak excluding no parking spaces and mail, loading, bus and taxi zones.

6 **Base Year**

2018

Georges River Council
Hurstville
SPACES USED AT PEAK OCCUPANCY

CALCULATION SPACES USED AT PEAK OCCUPANCY BY DEMAND DRIVER WEEKDAYS

	ON STREET WEEKDAY INVENTORY*					OFF STREET WEEKDAY INVENTORY*					2018 On Street		2018 Off Street	
	2018	2023	2028	2033	2038	2018	2023	2028	2033	2038	Study Area Peak Occupancy %	Spaces Used #	Study Area Peak Occupancy %	Spaces Used #
	Spaces	# Car Spaces	# Car Spaces	# Car Spaces	# Car Spaces	Spaces	Spaces	Spaces	Spaces	Spaces				
Unrestricted*	1,656	1,656	1,656	1,656	1,656	14	14	14	14	14	83.3%	1,380	85.7%	12
All Day Ticket	0	0	0	0	0	89	89	89	89	89	N/A	0	85.4%	76
1P	233	233	233	233	233	32	32	32	32	32	78.5%	183	68.8%	22
2P	71	71	71	71	71	0	0	0	0	0	85.9%	61	N/A	0
3P	0	0	0	0	0	316	316	316	316	316	N/A	0	68.4%	216
4P	236	236	236	236	236	0	0	0	0	0	57.6%	136	N/A	0
Disabled	11	11	11	11	11	9	9	9	9	9	81.8%	9	55.6%	5
Other Time Restricted**	184	184	184	184	184	0	0	0	0	0	76.1%	140	N/A	0
No Parking/Unrestricted	79	79	79	79	79	0	0	0	0	0	73.4%	58	N/A	0
Total	2,470	2,470	2,470	2,470	2,470	460	460	460	460	460	79.6%	1,967	72.0%	331

* Available spaces at peak excluding Other Zones

CALCULATION PROJECTED SPACES USED by % Growth based on Population Growth

Based on occupancy

WEEKDAYS	2018	2023		2028		2033		2038	
	Spaces Used #	% Growth	Spaces Used #	% Growth	Spaces Used #	% Growth	Spaces Used #	% Growth	Spaces Used #
On Street Restricted	587		615		645		675		708
On street Unrestricted	1,380		1,446		1,515		1,588		1,664
Subtotal On Street	1,967		2,061		2,160		2,263		2,372
Off Street Restricted	319		334		350		367		385
Off street Unrestricted	12		13		13		14		14
Subtotal Off Street	331		347		363		381		399
TOTAL	2,298	4.79%	2,408	4.79%	2,523	4.79%	2,644	4.79%	2,771

CALCULATIONS based on Population Growth

Based on occupancy

WEEKDAYS	2018			2023			2028			2033			2038			Occupancy at peak					Occupancy after Adj Travel Mode at peak												
	# Car Spaces	# Spaces Used	Excess/Shortfall	# Car Spaces	# Spaces Used	Excess/Shortfall	# Spaces Used after Adj in Travel Mode	Excess/Shortfall after Adj in Travel Mode	# Car Spaces	# Spaces Used	Excess/Shortfall	# Spaces Used after Adj in Travel Mode	Excess/Shortfall after Adj in Travel Mode	# Car Spaces	# Spaces Used	Excess/Shortfall	# Spaces Used after Adj in Travel Mode	Excess/Shortfall after Adj in Travel Mode	2018	2023	2028	2033	2038	2018	2023	2028	2033	2038					
On street Restricted	814	587	227	814	615	199	584	230	814	645	169	582	232	814	675	139	579	235	814	708	106	576	238	72%	76%	79%	83%	87%	72%	72%	71%	71%	71%
On street Unrestricted	1,656	1,380	276	1,656	1,446	210	1,374	282	1,656	1,515	141	1,368	288	1,656	1,588	68	1,361	295	1,656	1,664	-8	1,355	301	83%	87%	92%	96%	100%	83%	83%	82%	82%	
Subtotal On Street	2,470	1,967	503	2,470	2,061	409	1,958	512	2,470	2,160	310	1,949	521	2,470	2,263	207	1,941	529	2,470	2,372	98	1,932	538	80%	83%	87%	92%	96%	80%	79%	79%	78%	
Off street Restricted	446	319	127	446	334	112	318	128	446	350	96	316	130	446	367	79	315	131	446	385	61	313	133	72%	75%	79%	82%	86%	72%	71%	71%	70%	
Off street Unrestricted	14	12	2	14	13	1	12	2	14	13	1	12	2	14	14	0	12	2	14	14	0	12	2	86%	90%	94%	99%	103%	86%	85%	85%	84%	
Subtotal Off Street	460	331	129	460	347	113	330	130	460	363	97	328	132	460	381	79	327	133	460	399	61	325	135	72%	75%	79%	83%	87%	72%	72%	71%	71%	
TOTAL	2,930	2,298	632	2,930	2,408	522	2,288	642	2,930	2,523	407	2,277	653	2,930	2,644	286	2,267	663	2,930	2,771	159	2,257	673	78%	82%	86%	90%	95%	78%	78%	78%	77%	
% Total Supply		78%	22%		82%	18%	78%	22%		86%	14%	78%	22%		90%	10%	77%	23%		95%	5%	77%	23%										

	2018-2023 % Change (Reduction)	2023-2028 % Change (Reduction)	2028-2033 % Change (Reduction)	2033-2038 % Change (Reduction)
Target %	80.00%	80.00%	80.00%	80.00%
On street Restricted	-5.9%	4.6%	4.6%	4.6%
On street Unrestricted	8.4%	4.6%	4.6%	4.6%
Subtotal On Street	4.1%	4.6%	4.6%	4.6%
Off street Restricted	-6.7%	4.6%	4.6%	4.6%
Off street Unrestricted	10.9%	4.6%	4.6%	4.6%
Subtotal Off Street	-6.1%	4.6%	4.6%	4.6%
TOTAL	2.7%	4.6%	4.6%	4.6%

Georges River Council

Riverwood

ASSUMPTIONS

Manual Input

1 **INVENTORY - Weekday**

* Capacity by category at peak (12:00)

INVENTORY 2018

PARKING INVENTORY 2018						
Restriction	# of Spaces at peak	On Street	Off Street			Total
Unrestricted*	761	761	0			761
1P	175	139	36			175
2P	121	121	0			121
3P	227	0	227			227
4P	0	0	0			0
Disabled	9	5	4			9
Other Time Restricted**	16	16	0			16
No Parking/Unrestricted	1	1	0			1
Other Zones***	16	16	0			16
Total	1,326	1,059	267			1326

*Unrestricted - 24 Hours / 7 Days Unrestricted

**Other Time Restricted - P5mins, P10mins, 1/4P, 1/2P and 4P etc.

*** Other Zones - Loading Zone, Taxi Zone, Mail Zone and Reserved Bays (i.e. Council Vehicle, Police Vehicle etc.).

INVENTORY 2023 YEARS

PARKING INVENTORY 2023						
Restriction	# of Spaces at peak	On Street	Off Street			Total
Unrestricted*	761	761	0			761
1P	175	139	36			175
2P	121	121	0			121
3P	227	0	227			227
4P	0	0	0			0
Disabled	9	5	4			9
Other Time Restricted**	16	16	0			16
No Parking/Unrestricted	1	1	0			1
Other Zones***	16	16	0			16
Total	1,326	1,059	267			1326

INVENTORY 2028 YEARS

Assume no change

PARKING INVENTORY 2028						
Restriction	# of Spaces at peak	On Street	Off Street			Total
Unrestricted*	761	761	0			761
1P	175	139	36			175
2P	121	121	0			121
3P	227	0	227			227
4P	0	0	0			0
Disabled	9	5	4			9
Other Time Restricted**	16	16	0			16
No Parking/Unrestricted	1	1	0			1
Other Zones***	16	16	0			16
Total	1,326	1,059	267			1326

**Georges River Council
Riverwood**

Manual Input

INVENTORY 2033

Assume no change

PARKING INVENTORY 2033						
Restriction	# of Spaces at peak	On Street	Off Street			Total
Unrestricted*	761	761	0			761
1P	175	139	36			175
2P	121	121	0			121
3P	227	0	227			227
4P	0	0	0			0
Disabled	9	5	4			9
Other Time Restricted**	16	16	0			16
No Parking/Unrestricted	1	1	0			1
Other Zones***	16	16	0			16
Total	1,326	1,059	267			1326

INVENTORY 2038

Assume no change

PARKING INVENTORY 2038						
Restriction	# of Spaces at peak	On Street	Off Street			Total
Unrestricted*	761	761	0			761
1P	175	139	36			175
2P	121	121	0			121
3P	227	0	227			227
4P	0	0	0			0
Disabled	9	5	4			9
Other Time Restricted**	16	16	0			16
No Parking/Unrestricted	1	1	0			1
Other Zones***	16	16	0			16
Total	1,326	1,059	267			1326

2 **Occupancy**

* Excluded bus zones

Parking Restriction	CURRENT YEAR	CURRENT YEAR
	On Street Peak Occupancy %	Off Street Peak Occupancy %
Unrestricted*	69.5%	N/A
1P	78.4%	97.2%
2P	46.3%	N/A
3P	N/A	68.3%
4P	N/A	N/A
Disabled	80.0%	50.0%
Other Time Restricted**	50.0%	N/A
No Parking/Unrestricted	0.0%	N/A

Notes

Manual Entry

* source Parking Surveys

**Georges River Council
Riverwood**

 Manual Input

3 **% Growth**

Population Growth

Population Growth

2018-2023 % Growth	2023-2028 % Growth	2028-2033 % Growth	2033-2038 % Growth
4.79%	4.79%	4.79%	4.79%

*Please input

4 **Modal Shift Factor**

Reduction for change in travel mode

2018-2023 % Change	2023-2028 % Change	2028-2033 % Change	2033-2038 % Growth
5.00%	5.00%	5.00%	5.00%

*Please input

5 **Parking Supply**

Available public parking spaces at peak excluding no parking spaces and mail, loading, bus and taxi zones.

6 **Base Year**

2018

Georges River Council
Riverwood
SPACES USED AT PEAK OCCUPANCY

CALCULATION SPACES USED AT PEAK OCCUPANCY BY DEMAND DRIVER WEEKDAYS

	ON STREET WEEKDAY INVENTORY*					OFF STREET WEEKDAY INVENTORY*					2018 On Street		2018 Off Street	
	2018	2023	2028	2033	2038	2018	2023	2028	2033	2038	Study Area Peak Occupancy	Spaces Used	Study Area Peak Occupancy	Spaces Used
	Spaces	# Car Spaces	# Car Spaces	# Car Spaces	# Car Spaces	Spaces	Spaces	Spaces	Spaces	Spaces	%	#	%	#
Unrestricted*	761	761	761	761	761	0	0	0	0	0	69.5%	529	N/A	0
1P	139	139	139	139	139	36	36	36	36	36	78.4%	109	97.2%	35
2P	121	121	121	121	121	0	0	0	0	0	46.3%	56	N/A	0
3P	0	0	0	0	0	227	227	227	227	227	N/A	0	68.3%	155
4P	0	0	0	0	0	0	0	0	0	0	N/A	0	N/A	0
Disabled	5	5	5	5	5	4	4	4	4	4	80.0%	4	50.0%	2
Other Time Restricted**	16	16	16	16	16	0	0	0	0	0	50.0%	8	N/A	0
No Parking/Unrestricted	1	1	1	1	1	0	0	0	0	0	0.0%	0	N/A	0
Total	1,043	1,043	1,043	1,043	1,043	267	267	267	267	267	67.7%	706	71.9%	192

* Available spaces at peak excluding Other Zones

CALCULATION PROJECTED SPACES USED by % Growth based on Population Growth

WEEKDAYS	2018		2023		2028		2033		2038	
	Spaces Used #	% Growth	Spaces Used #	% Growth	Spaces Used #	% Growth	Spaces Used #	% Growth	Spaces Used #	% Growth
On Street Restricted	177		185		194		204		213	
On street Unrestricted	529		554		581		609		638	
Subtotal On Street	706		740		775		812		851	
Off Street Restricted	192		201		211		221		232	
Off street Unrestricted	0		0		0		0		0	
Subtotal Off Street	192		201		211		221		232	
TOTAL	898	4.79%	941	4.79%	986	4.79%	1,033	4.79%	1,083	

CALCULATIONS based on Population Growth

WEEKDAYS	Based on occupancy															Occupancy at peak					Occupancy after Adj Travel Mode at peak												
	2018			2023			2028			2033			2038			2018	2023	2028	2033	2038	2018	2023	2028	2033	2038								
	# Car Spaces	# Spaces Used	Excess/Shortfall	# Car Spaces	# Spaces Used	Excess/Shortfall	# Car Spaces	# Spaces Used	Excess/Shortfall	# Car Spaces	# Spaces Used	Excess/Shortfall	# Car Spaces	# Spaces Used	Excess/Shortfall	# Car Spaces	# Spaces Used	Excess/Shortfall	# Car Spaces	# Spaces Used	Excess/Shortfall	# Car Spaces	# Spaces Used	Excess/Shortfall	# Car Spaces	# Spaces Used	Excess/Shortfall						
On street Restricted	282	177	105	282	185	97	176	106	282	194	88	175	107	282	204	78	175	107	282	213	69	174	108	63%	66%	69%	72%	76%	63%	62%	62%	62%	62%
On street Unrestricted	761	529	232	761	554	207	527	234	761	581	180	524	237	761	609	152	522	239	761	638	123	520	241	70%	73%	76%	80%	84%	70%	69%	69%	69%	68%
Subtotal On Street	1,043	706	337	1,043	740	303	703	340	1,043	775	268	700	343	1,043	812	231	696	347	1,043	851	192	693	350	68%	71%	74%	78%	82%	68%	67%	67%	67%	66%
Off street Restricted	267	192	75	267	201	66	191	76	267	211	56	190	77	267	221	46	189	78	267	232	35	189	78	72%	75%	79%	83%	87%	72%	72%	71%	71%	71%
Off street Unrestricted	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Subtotal Off Street	267	192	75	267	201	66	191	76	267	211	56	190	77	267	221	46	189	78	267	232	35	189	78	72%	75%	79%	83%	87%	72%	72%	71%	71%	71%
TOTAL	1,310	898	412	1,310	941	369	894	416	1,310	986	324	890	420	1,310	1,033	277	886	424	1,310	1,083	227	882	428	69%	72%	75%	79%	83%	69%	68%	68%	68%	67%
% Total Supply		69%	31%		72%	28%	68%	32%		75%	25%	68%	32%		79%	21%	68%	32%		83%	17%	67%	33%										

Target %	2018-2023	2023-2028	2028-2033	2033-2038
	% Change	% Change	% Change	% Change
On street Restricted	70.00%	-6.4%	4.6%	4.6%
On street Unrestricted	70.00%	3.9%	4.6%	4.6%
Subtotal On Street	70.00%	1.3%	4.6%	4.6%
Off street Restricted	70.00%	7.1%	4.6%	4.6%
Off street Unrestricted	70.00%	N/A	N/A	N/A
Subtotal Off Street	70.00%	7.1%	4.6%	4.6%
TOTAL	70.00%	2.6%	4.6%	4.6%

**Georges River Council
Beverly Hills**

Manual Input

ASSUMPTIONS

- 1 **INVENTORY - Weekday**
* Capacity by category at peak (12:00)

INVENTORY 2018

PARKING INVENTORY 2018						
Restriction	# of Spaces at peak	On Street	Off Street			Total
Unrestricted*	690	690	0			690
1P	91	81	10			91
2P	32	32	0			32
3P	137	0	137			137
4P	0	0	0			0
Disabled	7	5	2			7
Other Time Restricted**	38	38	0			38
No Parking/Unrestricted	62	62	0			62
Other Zones***	14	14	0			14
Total	1,071	922	149			1071

*Unrestricted - 24 Hours / 7 Days Unrestricted

**Other Time Restricted - P5mins, P10mins, 1/4P, 1/2P and 4P etc.

*** Other Zones - Loading Zone, Taxi Zone, Mail Zone and Reserved Bays (i.e. Council Vehicle, Police Vehicle etc.).

INVENTORY 2023 YEARS

PARKING INVENTORY 2023						
Restriction	# of Spaces at peak	On Street	Off Street			Total
Unrestricted*	690	690	0			690
1P	91	81	10			91
2P	32	32	0			32
3P	137	0	137			137
4P	0	0	0			0
Disabled	7	5	2			7
Other Time Restricted**	38	38	0			38
No Parking/Unrestricted	62	62	0			62
Other Zones***	14	14	0			14
Total	1,071	922	149			1071

INVENTORY 2028 YEARS

Assume no change

PARKING INVENTORY 2028						
Restriction	# of Spaces at peak	On Street	Off Street			Total
Unrestricted*	690	690	0			690
1P	91	81	10			91
2P	32	32	0			32
3P	137	0	137			137
4P	0	0	0			0
Disabled	7	5	2			7
Other Time Restricted**	38	38	0			38
No Parking/Unrestricted	62	62	0			62
Other Zones***	14	14	0			14
Total	1,071	922	149			1071

**Georges River Council
Beverly Hills**

Manual Input

INVENTORY 2033

Assume no change

PARKING INVENTORY 2033						
Restriction	# of Spaces at peak	On Street	Off Street			Total
Unrestricted*	690	690	0			690
1P	91	81	10			91
2P	32	32	0			32
3P	137	0	137			137
4P	0	0	0			0
Disabled	7	5	2			7
Other Time Restricted**	38	38	0			38
No Parking/Unrestricted	62	62	0			62
Other Zones***	14	14	0			14
Total	1,071	922	149			1071

INVENTORY 2038

Assume no change

PARKING INVENTORY 2038						
Restriction	# of Spaces at peak	On Street	Off Street			Total
Unrestricted*	690	690	0			690
1P	91	81	10			91
2P	32	32	0			32
3P	137	0	137			137
4P	0	0	0			0
Disabled	7	5	2			7
Other Time Restricted**	38	38	0			38
No Parking/Unrestricted	62	62	0			62
Other Zones***	14	14	0			14
Total	1,071	922	149			1071

2 **Occupancy**

* Excluded bus zones

Parking Restriction	CURRENT YEAR	CURRENT YEAR
	On Street Peak Occupancy %	Off Street Peak Occupancy %
Unrestricted*	74.3%	N/A
1P	55.6%	100.0%
2P	68.8%	N/A
3P	N/A	59.9%
4P	N/A	N/A
Disabled	20.0%	100.0%
Other Time Restricted**	47.4%	N/A
No Parking/Unrestricted	0.0%	N/A

Notes

Manual Entry

* source Parking Surveys

**Georges River Council
Beverly Hills**

Manual Input

3 **% Growth**

Population Growth

Population Growth

2018-2023 % Growth	2023-2028 % Growth	2028-2033 % Growth	2033-2038 % Growth
4.79%	4.79%	4.79%	4.79%

*Please input

4 **Modal Shift Factor**

Reduction for change in travel mode

2018-2023 % Change	2023-2028 % Change	2028-2033 % Change	2033-2038 % Change
5.00%	5.00%	5.00%	5.00%

*Please input

5 **Parking Supply**

Available public parking spaces at peak excluding no parking spaces and mail, loading, bus and taxi zones.

6 **Base Year**

2018

Georges River Council
Beverly Hills
SPACES USED AT PEAK OCCUPANCY

CALCULATION SPACES USED AT PEAK OCCUPANCY BY DEMAND DRIVER WEEKDAYS

	ON STREET WEEKDAY INVENTORY*					OFF STREET WEEKDAY INVENTORY*					2018 On Street		2018 Off Street	
	2018	2023	2028	2033	2038	2018	2023	2028	2033	2038	Study Area Peak Occupancy %	Spaces Used #	Study Area Peak Occupancy %	Spaces Used #
	Spaces	# Car Spaces	# Car Spaces	# Car Spaces	# Car Spaces	Spaces	Spaces	Spaces	Spaces	Spaces				
Unrestricted*	690	690	690	690	690	0	0	0	0	0	74.3%	513	N/A	0
1P	81	81	81	81	81	10	10	10	10	10	55.6%	45	100.0%	10
2P	32	32	32	32	32	0	0	0	0	0	68.8%	22	N/A	0
3P	0	0	0	0	0	137	137	137	137	137	N/A	0	59.9%	82
4P	0	0	0	0	0	0	0	0	0	0	N/A	0	N/A	0
Disabled	5	5	5	5	5	2	2	2	2	2	20.0%	1	100.0%	2
Other Time Restricted**	38	38	38	38	38	0	0	0	0	0	47.4%	18	N/A	0
No Parking/Unrestricted	62	62	62	62	62	0	0	0	0	0	0.0%	0	N/A	0
Total	908	908	908	908	908	149	149	149	149	149	66.0%	599	63.1%	94

* Available spaces at peak excluding Other Zones

CALCULATION PROJECTED SPACES USED by % Growth based on Population Growth

Based on occupancy

WEEKDAYS	2018 Spaces Used #	2023 % Growth	2023 Spaces Used #	2028 % Growth	2028 Spaces Used #	2033 % Growth	2033 Spaces Used #	2038 % Growth	2038 Spaces Used #
On Street Restricted	86		90		94		99		104
On street Unrestricted	513		538		563		590		619
Subtotal On Street	599		628		658		689		722
Off Street Restricted	94		99		103		108		113
Off street Unrestricted	0		0		0		0		0
Subtotal Off Street	94		99		103		108		113
TOTAL	693	4.79%	726	4.79%	761	4.79%	797	4.79%	836

CALCULATIONS based on Population Growth

Based on occupancy

WEEKDAYS	2018			2023			2028			2033			2038			Occupancy at peak					Occupancy after Adj Travel Mode at peak												
	# Car Spaces	# Spaces Used	Excess/Shortfall	# Car Spaces	# Spaces Used	Excess/Shortfall	# Car Spaces	# Spaces Used	Excess/Shortfall	# Car Spaces	# Spaces Used	Excess/Shortfall	# Car Spaces	# Spaces Used	Excess/Shortfall	# Car Spaces	# Spaces Used	Excess/Shortfall	# Spaces Used after Adj in Travel Mode	Excess/Shortfall after Adj in Travel Mode	2018	2023	2028	2033	2038	2018	2023	2028	2033	2038			
On street Restricted	218	86	132	218	90	128	86	132	218	94	124	85	133	218	99	119	85	133	218	104	114	84	134	39%	41%	43%	45%	48%	39%	39%	39%	39%	39%
On street Unrestricted	690	513	177	690	538	152	511	179	690	563	127	508	182	690	590	100	506	184	690	619	71	504	186	74%	78%	82%	86%	90%	74%	74%	74%	73%	73%
Subtotal On Street	908	599	309	908	628	280	596	312	908	658	250	594	314	908	689	219	591	317	908	722	186	588	320	66%	69%	72%	76%	80%	66%	66%	65%	65%	65%
Off street Restricted	149	94	55	149	99	50	94	55	149	103	46	93	56	149	108	41	93	56	149	113	36	92	57	63%	66%	69%	73%	76%	63%	63%	62%	62%	62%
Off street Unrestricted	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Subtotal Off Street	149	94	55	149	99	50	94	55	149	103	46	93	56	149	108	41	93	56	149	113	36	92	57	63%	66%	69%	73%	76%	63%	63%	62%	62%	
TOTAL	1,057	693	364	1,057	726	331	690	367	1,057	761	296	687	370	1,057	797	260	684	373	1,057	836	221	681	376	66%	69%	72%	75%	79%	66%	65%	65%	65%	64%
% Total Supply		66%	34%		69%	31%	65%	35%		72%	28%	65%	35%		75%	25%	65%	35%		79%	21%	64%	36%										

	Target %	2018-2023 % Change	2023-2028 % Change	2028-2033 % Change	2033-2038 % Change
On street Restricted	70.00%	-69.3%	4.6%	4.6%	4.6%
On street Unrestricted	70.00%	10.2%	4.6%	4.6%	4.6%
Subtotal On Street	70.00%	-1.3%	4.6%	4.6%	4.6%
Off street Restricted	70.00%	-5.9%	4.6%	4.6%	4.6%
Off street Unrestricted	70.00%	N/A	N/A	N/A	N/A
Subtotal Off Street	70.00%	-5.9%	4.6%	4.6%	4.6%
TOTAL	70.00%	-1.9%	4.6%	4.6%	4.6%

**Georges River Council
Mortdale**

Manual Input

ASSUMPTIONS

- 1 **INVENTORY - Weekday**
* Capacity by category at peak (11:00)

INVENTORY 2018

PARKING INVENTORY 2018						
Restriction	# of Spaces at peak	On Street	Off Street			Total
Unrestricted*	229	229	0			229
All Day Ticket	0	0	0			0
1P	153	153	0			153
2P	40	40	0			40
3P	100	0	100			100
4P	23	23	0			23
Disabled	11	4	7			11
Other Time Restricted**	5	5	0			5
No Parking/Unrestricted	0	0	0			0
Other Zones***	14	14	0			14
Total	575	468	107			575

*Unrestricted - 24 Hours / 7 Days Unrestricted

**Other Time Restricted - P5mins, P10mins, 1/4P, 1/2P and 4P etc.

*** Other Zones - Loading Zone, Taxi Zone, Mail Zone and Reserved Bays (i.e. Council Vehicle, Police Vehicle etc.).

INVENTORY 2023 YEARS

PARKING INVENTORY 2023						
Restriction	# of Spaces at peak	On Street	Off Street			Total
Unrestricted*	229	229	0			229
All Day Ticket	0	0	0			0
1P	153	153	0			153
2P	40	40	0			40
3P	100	0	100			100
4P	23	23	0			23
Disabled	11	4	7			11
Other Time Restricted**	5	5	0			5
No Parking/Unrestricted	0	0	0			0
Other Zones***	14	14	0			14
Total	575	468	107			575

INVENTORY 2028 YEARS

Assume no change

PARKING INVENTORY 2028						
Restriction	# of Spaces at peak	On Street	Off Street			Total
Unrestricted*	229	229	0			229
All Day Ticket	0	0	0			0
1P	153	153	0			153
2P	40	40	0			40
3P	100	0	100			100
4P	23	23	0			23
Disabled	11	4	7			11
Other Time Restricted**	5	5	0			5
No Parking/Unrestricted	0	0	0			0
Other Zones***	14	14	0			14
Total	575	468	107			575

**Georges River Council
Mortdale**

Manual Input

INVENTORY 2033

Assume no change

PARKING INVENTORY 2033						
Restriction	# of Spaces at peak	On Street	Off Street			Total
Unrestricted*	229	229	0			229
All Day Ticket	0	0	0			0
1P	153	153	0			153
2P	40	40	0			40
3P	100	0	100			100
4P	23	23	0			23
Disabled	11	4	7			11
Other Time Restricted**	5	5	0			5
No Parking/Unrestricted	0	0	0			0
Other Zones***	14	14	0			14
Total	575	468	107			575

INVENTORY 2038

Assume no change

PARKING INVENTORY 2038						
Restriction	# of Spaces at peak	On Street	Off Street			Total
Unrestricted*	229	229	0			229
All Day Ticket	0	0	0			0
1P	153	153	0			153
2P	40	40	0			40
3P	100	0	100			100
4P	23	23	0			23
Disabled	11	4	7			11
Other Time Restricted**	5	5	0			5
No Parking/Unrestricted	0	0	0			0
Other Zones***	14	14	0			14
Total	575	468	107			575

2 **Occupancy**

* Excluded bus zones

Parking Restriction	CURRENT YEAR On Street Peak Occupancy %	CURRENT YEAR Off Street Peak Occupancy %
Unrestricted*	97.4%	N/A
All Day Ticket	N/A	N/A
1P	75.2%	N/A
2P	92.5%	N/A
3P	N/A	79.0%
4P	95.7%	N/A
Disabled	100.0%	85.7%
Other Time Restricted**	60.0%	N/A
No Parking/Unrestricted	N/A	N/A

Notes

Manual Entry

* source Parking Surveys

**Georges River Council
Mortdale**

 Manual Input

3 **% Growth**

Population Growth

Population Growth

2018-2023 % Growth	2023-2028 % Growth	2028-2033 % Growth	2033-2038 % Growth
4.79%	4.79%	4.79%	4.79%

*Please input

4 **Modal Shift Factor**

Reduction for change in travel mode

2018-2023 % Change	2023-2028 % Change	2028-2033 % Change	2033-2038 % Change
5.00%	5.00%	5.00%	5.00%

*Please input

5 **Parking Supply**

Available public parking spaces at peak excluding no parking spaces and mail, loading, bus and taxi zones.

6 **Base Year**

2018

Georges River Council
Mortdale
SPACES USED AT PEAK OCCUPANCY

CALCULATION SPACES USED AT PEAK OCCUPANCY BY DEMAND DRIVER WEEKDAYS

	ON STREET WEEKDAY INVENTORY*					STREET WEEKDAY INVENTORY	2018 On Street	2018 Off Street
	2018	2023	2028	2023	2028	Spaces Used	Study Area Peak Occupancy	
	# Car Spaces	# Car Spaces	# Car Spaces	# Car Spaces	# Car Spaces	#	%	
Unrestricted*	229	229	229	0	0	223	N/A	
All Day Ticket	0	0	0	0	0	0	N/A	
1P	153	153	153	0	0	115	N/A	
2P	40	40	40	0	0	37	N/A	
3P	0	0	0	100	100	0	79.0%	
4P	23	23	23	0	0	22	N/A	
Disabled	4	4	4	7	7	4	85.7%	
Other Time Restricted**	5	5	5	0	0	3	N/A	
No Parking/Unrestricted	0	0	0	0	0	0	N/A	
Total	454	454	454	107	107	404	79.4%	

* Available spaces at peak excluding Other Zones

CALCULATION PROJECTED SPACES USED by % Growth based on Population Growth

Based on occupancy

WEEKDAYS	2018	2023		2033	2038
	Spaces Used #	% Growth	Spaces Used #	Spaces Used #	% Growth
On Street Restricted	181		190	208	
On street Unrestricted	223		234	257	
Subtotal On Street	404		423	465	
Off Street Restricted	85		89	98	
Off street Unrestricted	0		0	0	
Subtotal Off Street	85		89	98	
TOTAL	489	4.79%	512	563	4.79%

CALCULATIONS based on Population Growth

Based on occupancy

WEEKDAYS	2018			2023		2028		2033		2038		Occupancy at peak					Occupancy after Adj Travel Mode at peak				
	# Car Spaces	# Spaces Used	Excess/Shortfall	# Spaces Used after Adj in Travel Mode	Excess/Shortfall after Adj in Travel Mode	# Spaces Used after Adj in Travel Mode	Excess/Shortfall after Adj in Travel Mode	# Spaces Used after Adj in Travel Mode	Excess/Shortfall after Adj in Travel Mode	# Spaces Used after Adj in Travel Mode	Excess/Shortfall after Adj in Travel Mode	2018	2023	2028	2033	2038	2018	2023	2028	2033	2038
On street Restricted	225	181	44	180	45	179	46	179	46	178	47	80%	84%	88%	93%	97%	80%	80%	80%	79%	79%
On street Unrestricted	229	223	6	222	7	221	8	220	9	219	10	97%	102%	107%	112%	117%	97%	97%	97%	96%	96%
Subtotal On Street	454	404	50	402	52	400	54	399	55	397	57	89%	93%	98%	102%	107%	89%	89%	88%	88%	87%
Off street Restricted	107	85	22	85	22	84	23	84	23	83	24	79%	83%	87%	91%	96%	79%	79%	79%	78%	78%
Off street Unrestricted	0	0	0	0	0	0	0	0	0	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Subtotal Off Street	107	85	22	85	22	84	23	84	23	83	24	79%	83%	87%	91%	96%	79%	79%	79%	78%	78%
TOTAL	561	489	72	487	74	485	76	482	79	480	81	87%	91%	96%	100%	105%	87%	87%	86%	86%	86%
% Total Supply		87%	13%	87%	13%	86%	14%	86%	14%	86%	14%										

	Target %	2018-2023	2023-2028
		% Change	% Change
On street Restricted	85.00%	-0.8%	4.6%
On street Unrestricted	85.00%	16.7%	4.6%
Subtotal On Street	85.00%	8.8%	4.6%
Off street Restricted	85.00%	-2.1%	4.6%
Off street Unrestricted	85.00%	N/A	N/A
Subtotal Off Street	85.00%	-2.1%	4.6%
TOTAL	85.00%	6.9%	4.6%