

Updates to Matsim population inputs

Numbers

FullTime Resident
16617

PartTime Resident
11460

Regular Visitor
5000

Overnight Visitor
21201

Daytime Visitor
5200

Breakdown distributions (Guess)

FullTime Resident,
home, 90, 90, 85, 75, 30, 20, 15, 10, 25, 50, 80, 85
work, 5, 5, 10, 15, 50, 60, 60, 50, 40, 30, 10, 10
beach, 0, 0, 0, 0, 5, 5, 10, 15, 5, 0, 0, 0
shops, 0, 0, 0, 5, 10, 10, 10, 20, 25, 15, 5, 0
other, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5

PartTime Resident,
home, 95, 95, 90, 75, 35, 20, 15, 10, 35, 60, 80, 85
work, 0, 0, 5, 10, 10, 20, 20, 20, 10, 10, 10, 0
beach, 0, 0, 0, 5, 25, 25, 30, 20, 5, 0, 0, 0
shops, 0, 0, 0, 5, 20, 20, 25, 30, 25, 20, 5, 10
other, 5, 5, 5, 5, 10, 15, 10, 20, 25, 10, 5, 5

Regular Visitor,
home, 95, 95, 80, 50, 10, 0, 0, 10, 20, 40, 60,100
work, 0, 0, 15, 35, 60, 70, 70, 65, 60, 45, 35, 0
beach, 0, 0, 0, 0, 0, 0, 5, 5, 0, 0, 0, 0
shops, 0, 0, 0, 0, 10, 10, 15, 10, 5, 5, 0, 0
other, 10, 5, 5, 15, 20, 20, 10, 10, 15, 10, 5, 0

Overnight Visitor,
home, 95, 95, 80, 50, 10, 0, 0, 10, 20, 40, 60,100
beach, 0, 0, 15, 10, 20, 60, 70, 50, 20, 10, 5, 0
shops, 5, 5, 0, 10, 20, 30, 20, 20, 40, 40, 20, 0

other, 0, 0, 5, 30, 50, 10, 10, 20, 20, 10, 15, 0

Daytime Visitor,
home, 100,100, 90, 20, 10, 5, 5, 10, 40, 60, 80,100
beach, 0, 0, 5, 10, 20, 40, 50, 40, 20, 10, 5, 0
shops, 0, 0, 0, 10, 20, 20, 20, 20, 30, 20, 10, 0
other, 0, 0, 5, 60, 50, 35, 25, 30, 10, 10, 5, 0

Rational for Evac numbers Mid Week in Jan (School Holidays)

BARWON REGION

	Permanent Population 2016	Population Holiday Homes	Population Caravan Parks, Cabins & Camping Sites*	Population Hotels, Motels, Apartments, Units & B&Bs*	PEAK OVERNIGHT POPULATION
SURF COAST SHIRE					
Aireys Inlet/Fairhaven/Moggs Creek	1,191	5,749	362	237	7,539
Anglesea	2,548	9,986	1,676	205	14,415
Deans Marsh	265	344	N/A	15	624
Jan Juc	3,681	3,079	1,441	38	8,239
Lorne	1,111	7,562	4,650	1,948	15,271
Torquay (Including Bellbrae & Bells Beach)	14,259	10,461	4,722	1,763	31,205
Winchelsea (Including Winchelsea South)	2,127	683	0	46	2,856
Rural Balance	3,441	2,157	206	124	5,928
Total Surf Coast Shire	29,402	40,022	13,057	4,376	86,078

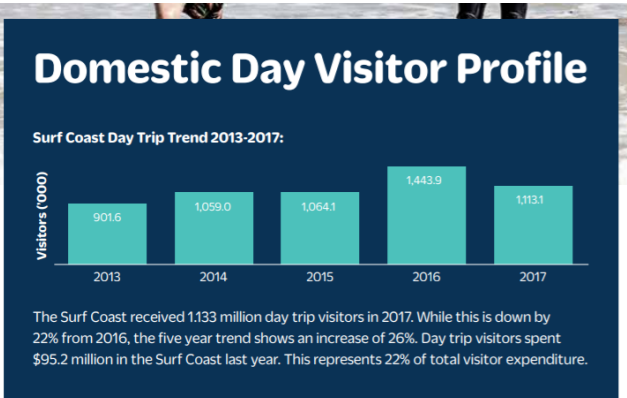
Seasonality of Trip (% of domestic overnight visitors to the Great Ocean Road)

Domestic overnight visitation to the region peaked during summer, attracting the highest proportion of visitors (33%), which was higher than for visitors to regional Victoria overall during summer (28%). In contrast, winter had the lowest proportion of visitors to the region (19%).

Month	GOR	Regional Vic
December	9%	8%
January	17%	14%
February	7%	6%
Summer	33%	28%
March	11%	11%
April	10%	10%
May	6%	7%
Autumn	27%	28%
June	8%	7%
July	5%	6%
August	6%	7%
Winter	19%	20%
September	6%	7%

Day Trip Break Down (Guess)	Percent
Weekday	15%
Weekend	75%
Weekday (School Hols)	40%
	x .666
Weekend (School Hols)	60%
	x 1.333

Day Visitors Domestic



$(1443900 \times .17) / 31 (\text{days in Jan})$
 $= 7918 \times .666 \text{ day trips Domestic Weekday in Jan}$
 $= 5,273$

International Day visitors

$(624000 \times .17) / 31 (\text{days in Jan})$
 $= 3400 \text{ International day visitors}$

Day Visitors

9000 (approx.)



Non-recreational related (Regular Visitor)

Geelong = 8225
 Other (Guess) 2000

10000 trips per day / 2 to account for return

=5000

Geelong

- Use centroid of SA2 for Geelong
 - 12,500 trips to Surf Coast (Source Vista – see table below)
- Allocate even trips amongst SA2 centroid up to 12,500 total

TRAVEL DAY*	Origin SLA	Destination SLA	Trip Purpose	Trips	Trip %	Acc%low	Acc%High
Weekday	Geelong	Surf Coast (S)	Serve passenger	1219.21	0.103493	0	0.103493
Weekday	Geelong	Surf Coast (S)	Buy Something	233.7141	0.019839	0.103493	0.123332
Weekday	Geelong	Surf Coast (S)	Pickup/Deliver Something	74.17868	0.006297	0.123332	0.129629
Weekday	Geelong	Surf Coast (S)	Education	520.456	0.044179	0.129629	0.173808
Weekday	Geelong	Surf Coast (S)	Work Related	4338.779	0.3683	0.173808	0.542108
Weekday	Geelong	Surf Coast (S)	Personal Business	1789.138	0.151872	0.542108	0.69398
Weekday	Geelong	Surf Coast (S)	Social / Recreational	3552.216	0.301532	0.69398	0.995512
Weekday	Geelong	Surf Coast (S)	Other / Unknown	52.8696	0.004488	0.995512	1
Weekend day	Geelong	Surf Coast (S)	Serve passenger	2542.498	0.195072	0	0.195072
Weekend day	Geelong	Surf Coast (S)	Buy Something	0	0	0.195072	0.195072
Weekend day	Geelong	Surf Coast (S)	Pickup/Deliver Something	198.2645	0.015212	0.195072	0.210283
Weekend day	Geelong	Surf Coast (S)	Education	0	0	0.210283	0.210283
Weekend day	Geelong	Surf Coast (S)	Work Related	916.5398	0.070321	0.210283	0.280604
Weekend day	Geelong	Surf Coast (S)	Personal Business	1281.075	0.09829	0.280604	0.378894
Weekend day	Geelong	Surf Coast (S)	Social / Recreational	8095.296	0.621106	0.378894	1
Weekend day	Geelong	Surf Coast (S)	Other / Unknown	0	0	1	1

Number of Cars	Percentage	Rec Frac
1 Person	23.7	.237
2 Persons	53.6	.536
3 Persons	16.7	.167
4 Persons	6	.06

= .573 conversion number

FullTime Resident = 29000
PartTime Resident = 20000
Regular Visitor (Non recreational related) = 5000
Overnight Visitor = 37000
Daytime Visitor = 9000

Adjust for cars not people

FullTime Resident = 16617 ($29000 \times .573$)
PartTime Resident = 11460 ($20000 \times .573$)
Regular Visitor (Non recreational related) = 5000 (these are already trips)
Overnight Visitor = 21,201 ($37000 \times .573$)
Daytime Visitor = 5200 ($9000 \times .573$)