



**NATIONAL LITTER INDEX
2018 - 2019**

VICTORIA RESULTS

**KEEP AUSTRALIA BEAUTIFUL NATIONAL ASSOCIATION
September 2019**

www.kab.org.au

Contents

Introduction	3
Methodology	3
Summary	7
Litter Monitor Results	7
Litter Monitor Tables	16

Introduction

The 2018/19 survey reports the results of biannual litter counts at the same, undisclosed 151 sites across Victoria. While over time additional rural highway sites have been added, the heart of the survey remains and the NLI is Australia's only long term, consistent survey of litter. Also unchanged is its aim to build a deeper understanding of what is being littered, and where, and how that is changing over time.

The National Litter count was initiated in during November 2005, with a second count conducted in May 2006. The National KAB reporting commenced in 2006/07, the 2017/18 National litter counts were conducted during November 2018 and May 2019.

Purpose

The purpose of the National Litter Index is to provide insight regarding:

- The presence of litter items at sites within broadly comparable regions.
- Estimated volumes of litter objects within the litter stream, based upon a volume-per-item model.
- The contribution of objects recognised within established litter categories to the overall litter stream.

It is expected that the information derived from this research will be used by governments and community organisations to develop policies/ programs that will reduce litter and create increased pride in communities.

Limitations

The National Litter Index is not a study of littering behaviour. It is exclusively intended as an assessment of the presence of litter objects within surveyed regions. As such, no corrections for population densities are carried out. The information derived from the Index provides no indication of whether residents of a particular region litter more or less frequently than those in a different region. It does, however, provide insight regarding (a) the relative presence or absence of litter objects and particular material types within the regions surveyed, and (b) result trends over time. As such, findings are considered to be broadly but tentatively standardised to regions of a similar type.

Methodology

Scope

Sites surveyed within the research program were sampled primarily from urban and near-urban areas (i.e. generally within 50km of the urban areas surrounding each state capital). Generalisation of findings to regional locations must therefore be made with caution.

The total area surveyed across all NLI sites in Victoria was 239,403m². This area spanned a total of 151 sites.

Sites

All sites incorporated within the survey were categorised according to 8 different site types. Uniform guidelines were conformed to during site selection. Site specifications vary from 500 square metres (beaches) to 3,000 square metres (highways).

Residential

A street area approximately 150 metres in length, along both sides of the road from the front of the properties on each side of that road extending to the gutter including litter in the gutter.

Beach

An area of approximately 50 metres long and 10 metres wide, positioned on one or across both sides of a jetty, boat ramp or main entry access point to beach.

Industrial

A street area approximately 150 metres long within an industrial area, the count area to be from the fence line or immediate front of the properties to the gutter including litter in the gutter

Car Park

An area of approximately 30 by 50 metres in an open space public car park at a point distant from the entrance to the car park.

Shopping Centre

An area approximately 50 metres long and 25 metres wide, directly outside of the main shopping centre building and including one or across both sides of a major entrance.

Retail Strip/ Shops - Street Precinct

An area approximately 150 metres long in front of a strip of shops, extending from the front of the shops to the street gutter and including litter in the gutter.

Recreational Park

An area of approximately 40 by 50 metres in a park area which includes a playground but which is not in the immediate vicinity of a shop or kiosk. The areas should be within a frequently used park.

Highway

Highways include open major roadways bounded by a vegetated area that may include an open drain.

The count area commences from the area beginning at the edge of the road, and extending out from the road to the nearest fence/ boundary or up to a distance of 10 metres out from the road side if no such fence/ boundary exists. Two such areas should be collected from, one on each side of the road. Each region should extend for a length of approximately 200 metres along the road.

Site Type Representation

The following table outlines the number of sites within each of the 8 distinct site types that were sampled within Victoria.

	All Other States
Beach	16
Car Park	23
Highway	27
Industrial	17
Recreational Park	13
Residential	26
Retail	15
Shopping Centre	14
Total	151

Litter Counter Training

The litter categorisations and assumptions used during the counts of designated sites were broadly as follows:

- A standard data collection form, was used when conducting the litter counts. A copy of this form is provided in the Appendices.
- Counters were trained to carefully analyse the litter to ensure that it was properly identified before recording it on the survey form. For example, to determine whether an item is glass and not clear plastic, or to differentiate between fruit juice and fruit drink as these are recorded on different sections of the form.
- Broken bottles were counted as one bottle, a bag of dumped garbage was considered to be one item of “illegal dumping”, and scattered newspaper pages were counted as one newspaper.
- While individual cigarette butts are counted, where there are large volumes of cigarette butts an estimated count is acceptable.
- For the purpose of the Litter Count, all waste located within any count site is litter apart from that properly disposed of in a waste receptacle.
- Organic matter (including food, chewing gum, and dog faeces) was not recorded during the count.

Reporting

Litter counts have been conducted bi-annually in November and May across the years from 2005/06, unless stated otherwise, the 2018/19 results are reported on an annual basis incorporating average figures corresponding to November 2018 and May 2019 counts.

Category Consolidation

The NLI is a data rich survey and as a result is complex to interpret. To simplify we have consolidated various litter items into broader categories as represented in the following table.

Most of the groupings should be self-evident but it is worth explaining the beverage container category in more detail. In this instance we have included in the beverage container category only those items currently classified as eligible containers as part of the SA, NT and NSW CDS schemes.

Consolidated Category	Historical Classification
Butts & Packaging	Cigarette Butts Paper/Paperboard - Cigarette packets
Beverage Containers	Glass - Alcoholic sodas / spirit-based mixers, all sizes Glass - Beer, all colours of glass, <750ml Glass - Beer, all colours of glass, 750ml+ Glass - Cider/fruit based etc. Glass - Flav. water/soft drink (carbonated) <1 litre Glass - Flav. water/soft drink (carbonated) 1 litre+ Glass - Flav.wtr/fruit j. dr/sprts dr, (non-carb), <1 litre Glass - Flav.wtr/fruit j. dr/sprts dr, (non-carb), 1 litre+ Glass - Fruit juice, < 1 litre Glass - Plain water (carbonated or non-carb.), <1 litre Glass - Plain water (carbonated or non-carb.), 1 litre+ Glass - Wine cooler, all sizes Metal - Alcoholic sodas & spirit-based mixers Metal - Beer, aluminium, all types, all sizes Metal - Cider/fruit based etc. Metal - Flav. water/soft drink, (carbonated), all sizes Metal - Flav. water/soft drink, (non-carb), all sizes Paper/Paperboard - Cartons, flavoured milk < 1 litre Paper/Paperboard - Cartons, fruit juice, < 1 litre Paper/Paperboard - Flav. water / fruit j. drink/ sports drink, (non-carb), 1 litre+ Paper/Paperboard - Flav. water/fruit j. drink/sports drink, non-carb, <1 litre Plastic - Drink pouches Plastic - Flav. milk, <1 litre Plastic - Flav. water/soft drink (carbonated) <1 litre Plastic - Flav. wtr/fruit j. dr, sprts dr etc.(non-carb) 1 litre+ Plastic - Flav.wtr/fruit j. dr, sprts dr etc.(non-carb) <1 litre Plastic - Fruit juice <1 litre Plastic - Plain water (carbonated or non-carb) <1 litre Plastic - Plain water (carbonated or non-carb) 1 litre+
Take Away	Metal - Foil take away Metal - Metal bottle tops and can pull rings Miscellaneous - Ice cream sticks Paper/Paperboard - Coffee cups Paper/Paperboard - Cups/take away containers Paper/Paperboard - Ice cream wrappers Plastic - Lollipop sticks Plastic - Plastic bottle tops Plastic - Snack bags & confectionary wrappers Plastic - Spoons/ cutlery Plastic - Straws Plastic - Take away & cups
Other Glass	Glass - Other glass
Other Paper	Paper/Paperboard - Other paper
Other Plastic	Plastic - Other plastic
Plastic Bags	Plastic - Bags - heavier glossy typically branded carry bags Plastic - Bags - supermarket type light weight carry bags
General Other	Glass - Fruit juice, 1 litre+ Glass - Wine & spirit, all sizes Metal - Aerosols - pressure packs Metal - Food cans (including pet food) Metal - Industrial cans - all types Metal - Metal pieces Metal - Other foil Miscellaneous - Clothing & materials Miscellaneous - Condoms Miscellaneous - Construction materials Miscellaneous - Disposable nappies Miscellaneous - Other miscellaneous Miscellaneous - Rubber pieces (not tyres) Miscellaneous - Syringes Miscellaneous - Tyres & pieces Paper/Paperboard - Cartons, flavoured milk 1 litre+ Paper/Paperboard - Cartons, fruit juice, 1 litre+ Paper/Paperboard - Cartons, milk, plain (white) all sizes Paper/Paperboard - Junk mail / free circulars Paper/Paperboard - Newspapers & magazines Paper/Paperboard - Packages & boxes Paper/Paperboard - Paper bags Paper/Paperboard - Shopper dockets & related shopping paper (eg, lists) Paper/Paperboard - Tickets, e.g. bus, ATM, vending machine etc. Plastic - 6 ring can holders Plastic - Bread bag tags Plastic - Containers, domestic type Plastic - Containers, industrial e.g. oil Plastic - Flav. milk, 1 litre+ Plastic - Flav. water/soft drink (carbonated) 1 litre+ Plastic - Fruit juice, 1 litre+ Plastic - Packing tape & straps Plastic - Sacks - sheeting - other bags Plastic - Styrene foam boxes, sheets, etc Plastic - White milk, all sizes Plastic - Wine cask bladders
Illegal Dumping	Illegal Dumping

Victorian Summary

- Victoria recorded a 6.0% decrease in total litter items counted and a 13.2% decrease by volume of litter in 2018/19 (the decrease in volume was 12.0% when not taking illegal dumping into account).
- There were less litter items recorded across most litter categories with the exception of takeaway food and beverage litter, other plastic and other paper litter
- Cigarette related litter was the main contributor to the lower count with a decrease of 13.2% items counted in 2018/19, cigarette related litter represented 54.4% of the overall litter counted.
- Decreases and increases in Overall litter at site types was mainly attributed to decreases and increases in cigarette related litter
- Retail precincts have the greatest litter loads in litter count terms, while industrial precincts have the greatest loads in volumetric terms.

Victorian Litter Monitor Results

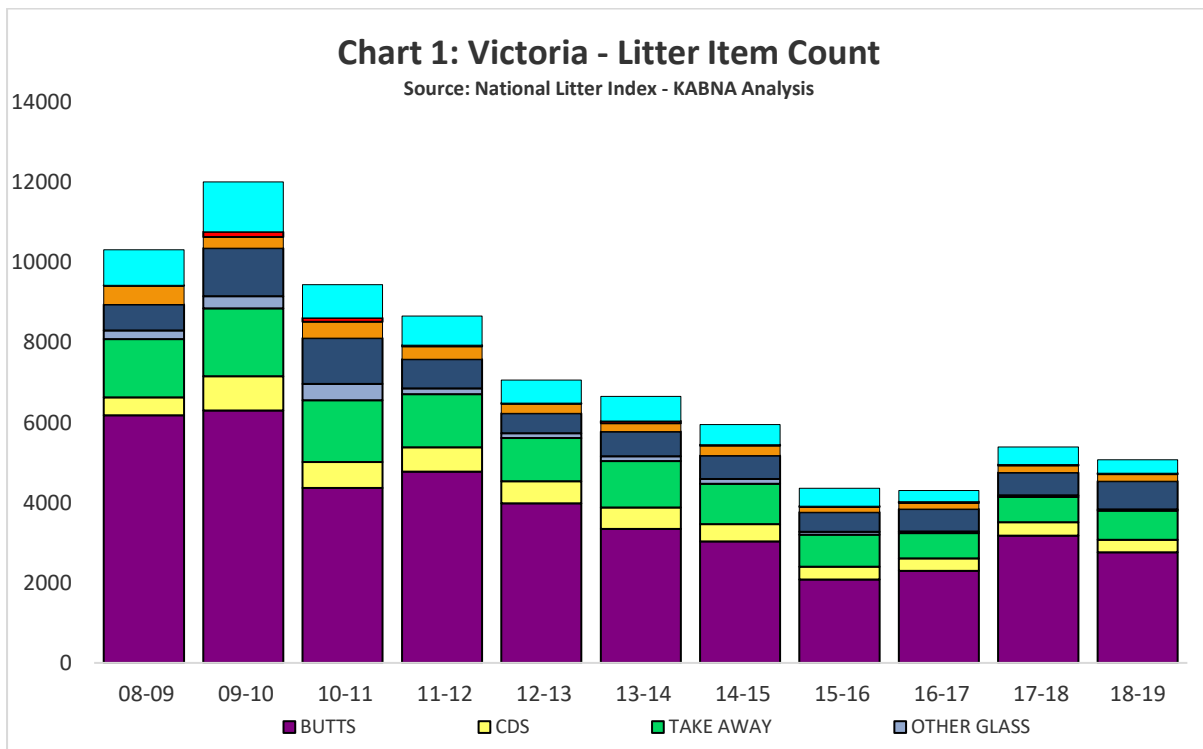
The national litter index surveys 151 sites across Victoria, with an area surveyed of 239,403 square metres. While the primary focus of the monitor is across Melbourne suburban areas, a number of regional/rural sites, are also surveyed. A further 15 rural highway/road sites are surveyed and reported in the attached appendix.

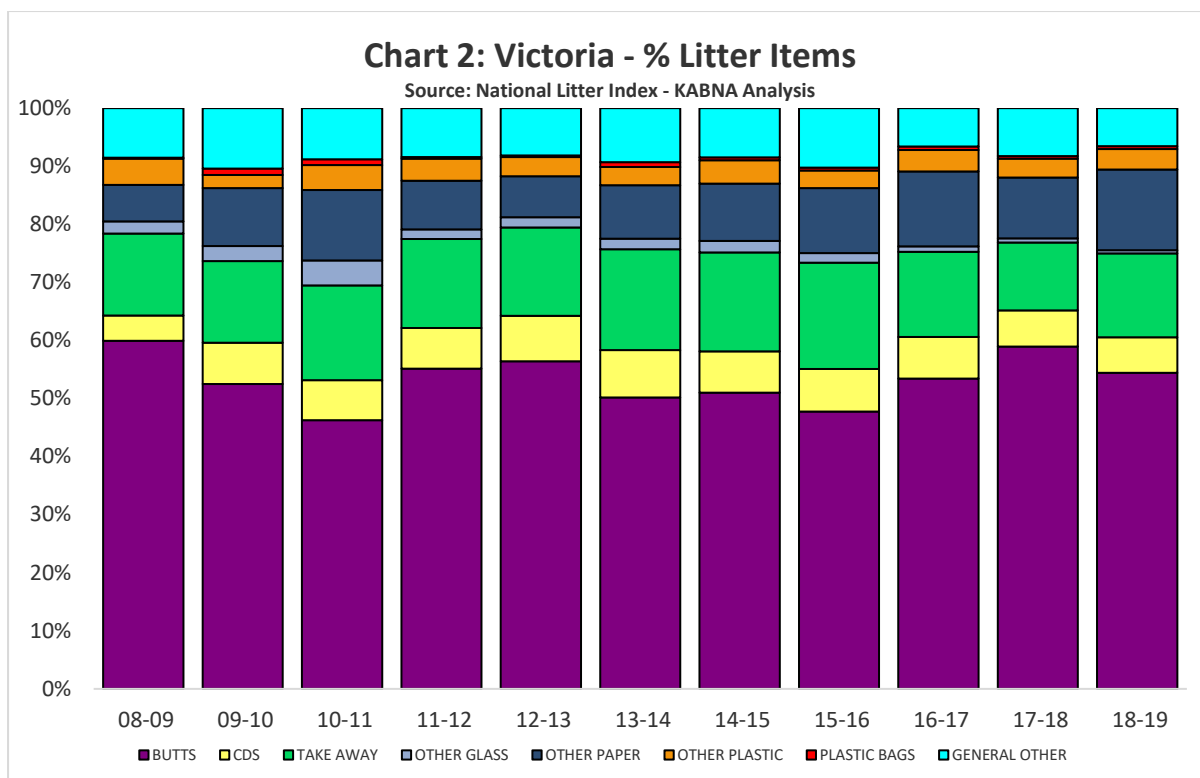
Table 1: Victorian Litter Monitor Area by Site Types				
Site Types	Number Surveyed			Areas Surveyed (sq m)
	Suburban	Regional	Total	
Beaches	10	6	16	8,000
Car Parks	19	4	23	36,657
Major Roads / Highways	17	10	27	93,950
Industrial Precincts	13	4	17	15,545
Recreational Parks	7	6	13	25,360
Residential Streets	21	5	26	33,075
Retail Precincts	10	5	15	10,311
Shopping Centres	12	2	14	16,505
TOTAL	109	42	151	239,403

Litter Counts

As shown in the following table, the 2018/19 monitor counted 6.0% less litter than items counted in 2017/18 in Victoria. The main contributor to the lower count was a 13.2% decrease in cigarette butts which represented 54.4% of the overall litter counted. The overall decrease was offset to some degree by increases of 24.9% in other paper litter and 6.5% in takeaway food and beverage litter. The results are below the levels counted in other previous monitors from 2008/09 to 2014/15.

Table 2: Victoria Litter Item Count Comparison 2017/18 to 2018/19		Items								
		Beach	Car Park	Highway	Industrial	Recreational Park	Residential	Retail	Shopping Centre	Total
VIC 2018/19	Butts & Packaging	86	512	300	361	152	483	486	382	2760
	Beverage Containers	3	43	131	59	5	44	12	16	310
	Takeaway Food & Beverage	24	119	164	73	72	144	113	26	732
	Other Glass		17	3	6		3			30
	Other Paper	24	119	159	56	32	122	105	91	705
	Other Plastic	16	29	52	15	13	38	14	4	179
	General Other	12	39	93	88	20	51	21	13	333
	Plastic Bags		5	6	3	1	4	3	2	23
	Illegal Dumping			1			2			2
	GRAND TOTAL	163	881	907	658	294	888	752	533	5074
VIC 2017/18	Butts & Packaging	103	761	333	312	200	615	431	429	3181
	Beverage Containers	7	71	125	38	6	48	11	31	336
	Takeaway Food & Beverage	45	126	114	55	47	132	67	48	688
	Other Glass		12	10	5		7	1	2	37
	Other Paper	33	130	121	42	34	79	50	77	565
	Other Plastic	23	34	43	13	11	37	7	10	176
	General Other	29	78	129	44	28	68	29	43	388
	Plastic Bags	2	4	10	3	2	2	1	6	27
	Illegal Dumping		1	2		1				3
	GRAND TOTAL	240	1214	886	510	326	986	594	643	5398
% REDUCTION	Butts & Packaging	16.6%	32.7%	9.9%	-15.9%	23.8%	21.5%	-12.8%	11.0%	13.2%
	Beverage Containers	61.5%	40.1%	-4.4%	-56.0%	16.7%	9.4%	-4.5%	47.5%	7.6%
	Takeaway Food & Beverage	47.2%	5.6%	-44.1%	-31.8%	-53.8%	-9.5%	-68.7%	46.9%	-6.5%
	Other Glass		-37.5%	75.0%	-10.0%		53.8%	100.0%	100.0%	18.9%
	Other Paper	28.8%	8.5%	-31.0%	-32.1%	7.4%	-54.8%	-112.1%	-18.3%	-24.9%
	Other Plastic	31.1%	14.9%	-20.9%	-15.4%	-23.8%	-1.4%	-107.7%	57.9%	-2.0%
	General Other	58.6%	49.7%	27.9%	-101.1%	27.3%	25.7%	28.1%	69.4%	14.2%
	Plastic Bags	100.0%	-42.9%	36.8%		66.7%	-166.7%	-500.0%	63.6%	13.2%
	Illegal Dumping		100.0%	66.7%		100.0%				20.0%
	Grand Total (excluding illegal dumping)	32.3%	27.4%	-2.5%	-29.0%	9.8%	10.0%	-26.6%	17.1%	6.0%
	GRAND TOTAL	32.3%	27.5%	-2.4%	-29.0%	10.0%	9.9%	-26.6%	17.1%	6.0%





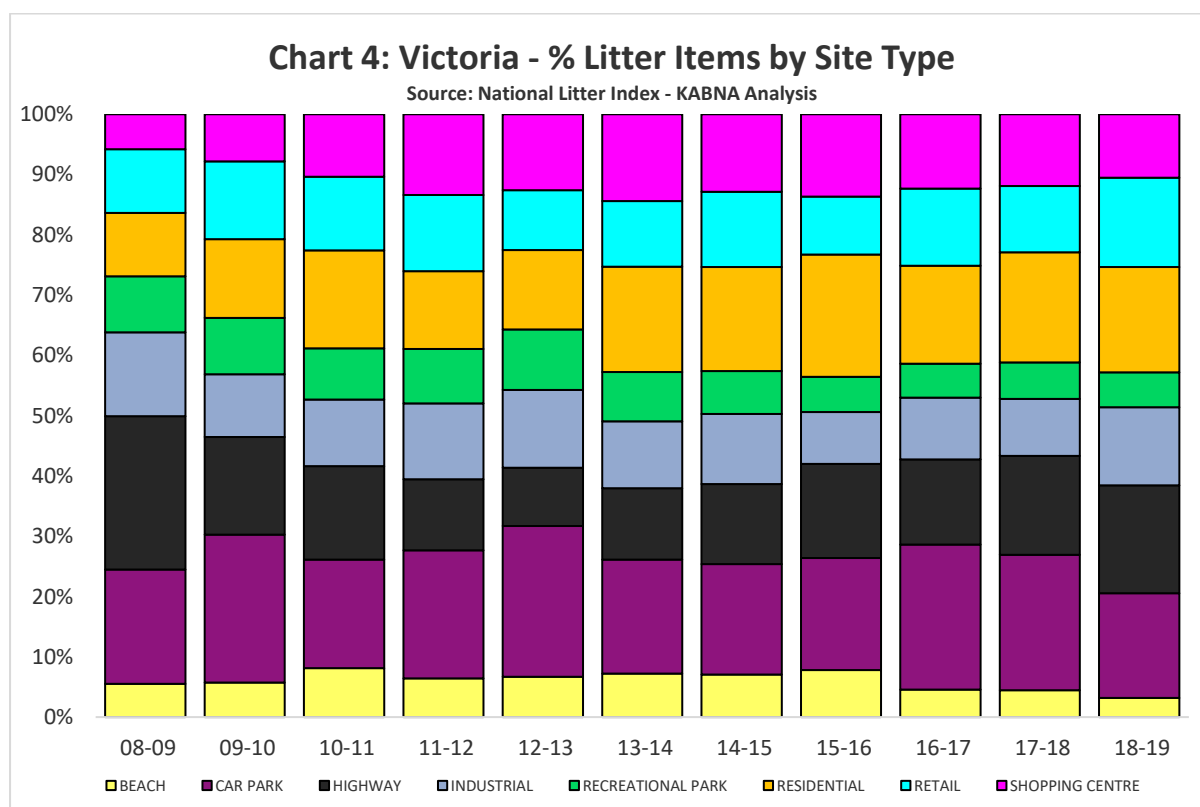
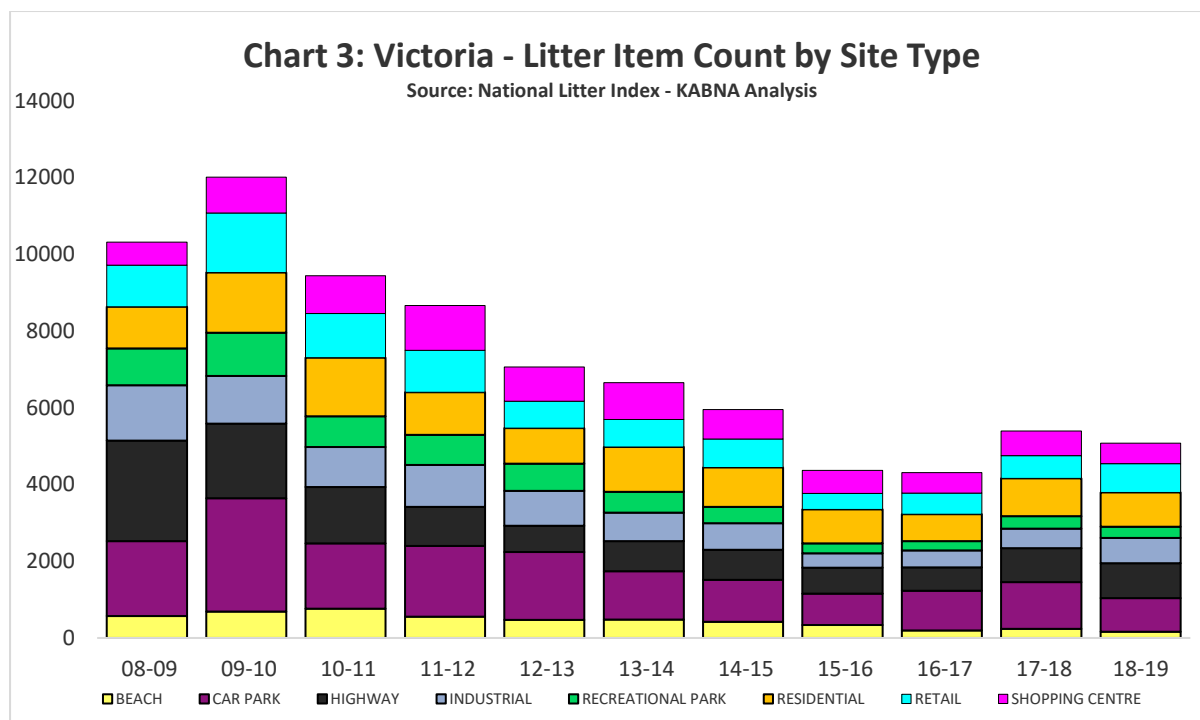
Volumetric Impacts

There was also a decrease in litter in Victoria in volumetric terms in 2018/19, with a 12.0% decrease in litter volume (excluding illegal dumping) when compared to the 2017/18 monitor. The main contributors to lower litter volume were decreases of 5.7% in takeaway food and beverage litter and 4.4% in beverage containers.

Table 3: Victoria Litter Item Volume Comparison 2017/18 to 2018/19		Volume - Litres							
		Beach	Car Park	Highway	Industrial	Recreational Park	Residential	Retail	Shopping Centre
VIC 2018/19	Butts & Packaging	0.010	3.543	3.954	3.526	0.126	2.015	1.253	1.350
	Beverage Containers	1.013	22.070	79.152	32.567	2.579	23.594	6.518	8.462
	Takeaway Food & Beverage	1.980	6.624	23.636	15.305	1.923	7.165	8.756	0.829
	Other Glass		0.324	0.049	0.108	0.049	0.059		0.589
	Other Paper	0.079	0.402	0.536	0.188	0.106	0.411	0.355	0.306
	Other Plastic	0.019	0.036	0.065	0.019	0.016	0.047	0.017	0.005
	General Other	0.300	4.018	19.212	7.273	8.507	17.785	1.629	2.108
	Plastic Bags		0.277	0.311	0.085	0.044	0.136	0.155	0.095
	Illegal Dumping			12.000			36.000		
	GRAND TOTAL	3.401	37.294	138.914	59.070	13.351	87.212	18.683	13.155
VIC 2017/18	Butts & Packaging	0.230	3.136	2.760	2.758	0.241	2.684	0.703	1.900
	Beverage Containers	4.028	37.212	65.507	22.186	3.331	27.794	5.572	18.400
	Takeaway Food & Beverage	1.510	7.821	17.369	4.955	1.237	7.760	0.619	1.521
	Other Glass		0.236	0.196	0.098	0.029	0.128	0.010	0.029
	Other Paper	0.112	0.439	0.409	0.142	0.115	0.265	0.167	0.259
	Other Plastic	0.028	0.042	0.054	0.016	0.013	0.046	0.008	0.012
	General Other	1.191	29.088	59.485	9.490	0.991	14.512	2.017	5.551
	Plastic Bags	0.068	0.119	0.322	0.085	0.051	0.051	0.017	0.187
	Illegal Dumping		12.000	36.000		12.000			
	GRAND TOTAL	7.165	90.093	182.103	39.730	18.009	53.240	9.113	27.859
% REDUCTION	Butts & Packaging	95.7%	-13.0%	-43.3%	-27.8%	47.5%	24.9%	-78.4%	28.9%
	Beverage Containers	74.9%	40.7%	-20.8%	-46.8%	22.6%	15.1%	-17.0%	54.0%
	Takeaway Food & Beverage	-31.1%	15.3%	-36.1%	-208.9%	-55.4%	7.7%	-1315.1%	45.5%
	Other Glass		-37.5%	75.0%	-10.0%	-66.7%	53.8%	100.0%	100.0%
	Other Paper	28.8%	8.5%	-31.0%	-32.1%	7.4%	-54.8%	-112.1%	-18.3%
	Other Plastic	31.1%	14.9%	-20.9%	-15.4%	-23.8%	-1.4%	-107.7%	57.9%
	General Other	74.8%	86.2%	67.7%	23.4%	-758.3%	-22.6%	19.2%	62.0%
	Plastic Bags	100.0%	-133.2%	3.6%		14.0%	-166.7%	-816.2%	49.3%
	Illegal Dumping		100.0%	66.7%		100.0%			
	Grand Total (excluding illegal dumping)	52.5%	52.2%	13.1%	-48.7%	-122.2%	3.8%	-105.0%	52.8%
GRAND TOTAL		52.5%	58.6%	23.7%	-48.7%	25.9%	-63.8%	-105.0%	52.8%

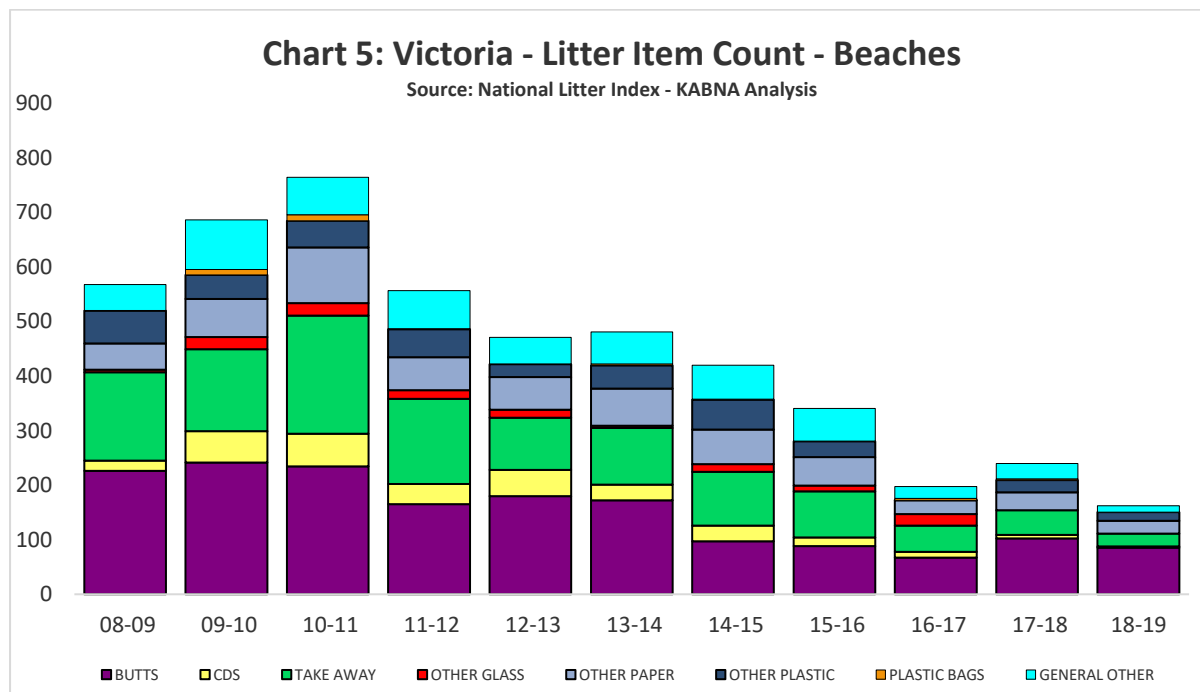
Littering Location

The location of the litter found in Victoria is contained in the following charts and demonstrates there was less litter recorded across most site types in 2018/19 including beaches, car parks, recreational parks, residential sites and shopping centres, while there was an increase in the number of litter items observed at highways, industrial precincts and retail sites.



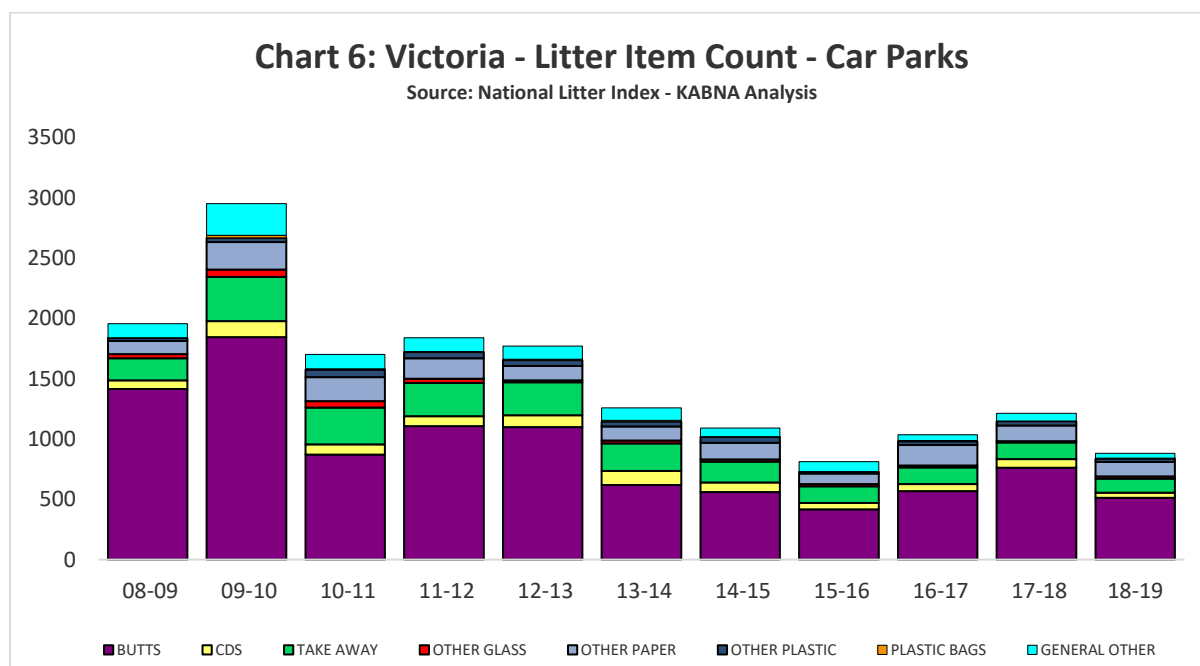
Beaches/Recreational Swimming Locations

There was an overall 32.3% decline in litter counted around beaches and recreational swimming locations in 2018/19. There was a fall in litter across all categories, with the lower level of litter mainly attributed to decreases of 58.6% in other general litter, 47.2% in takeaway food and beverage litter, 28.8% in other paper litter and 16.6% in cigarette related litter.



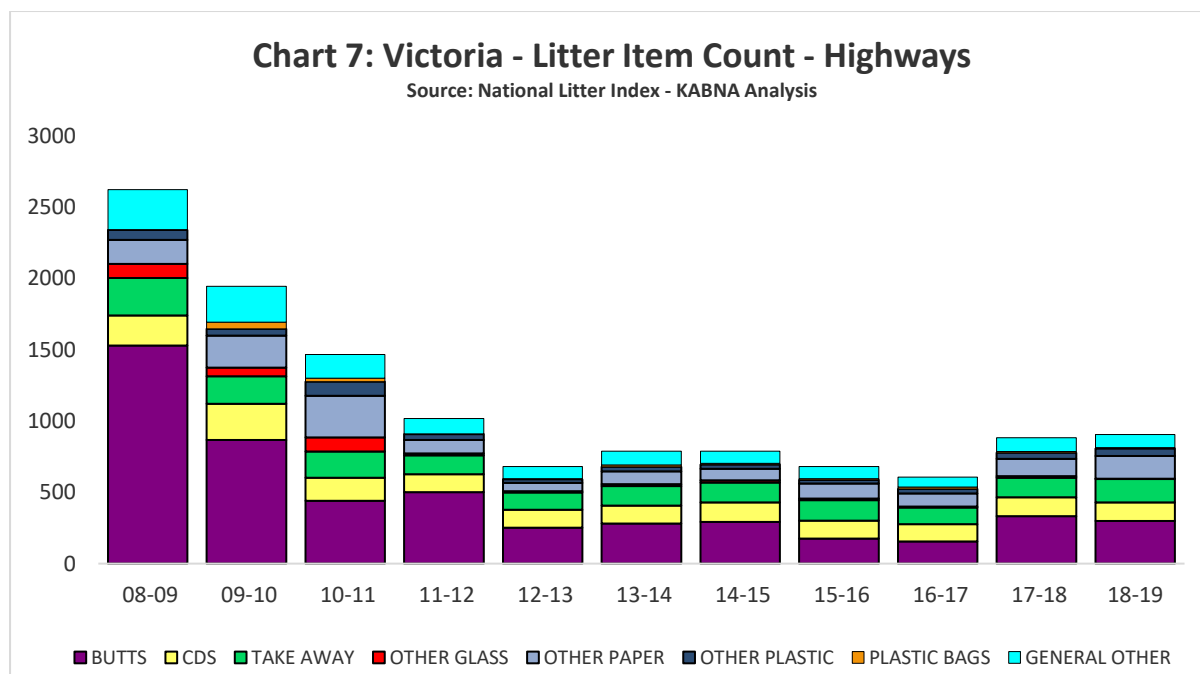
Car Parks

Litter levels decreased at car parks by 27.5% in 2018/19. There were decreases in litter across all categories except other glass litter with the overall lower level of litter mainly attributed to a 32.7% decrease in cigarette related litter.



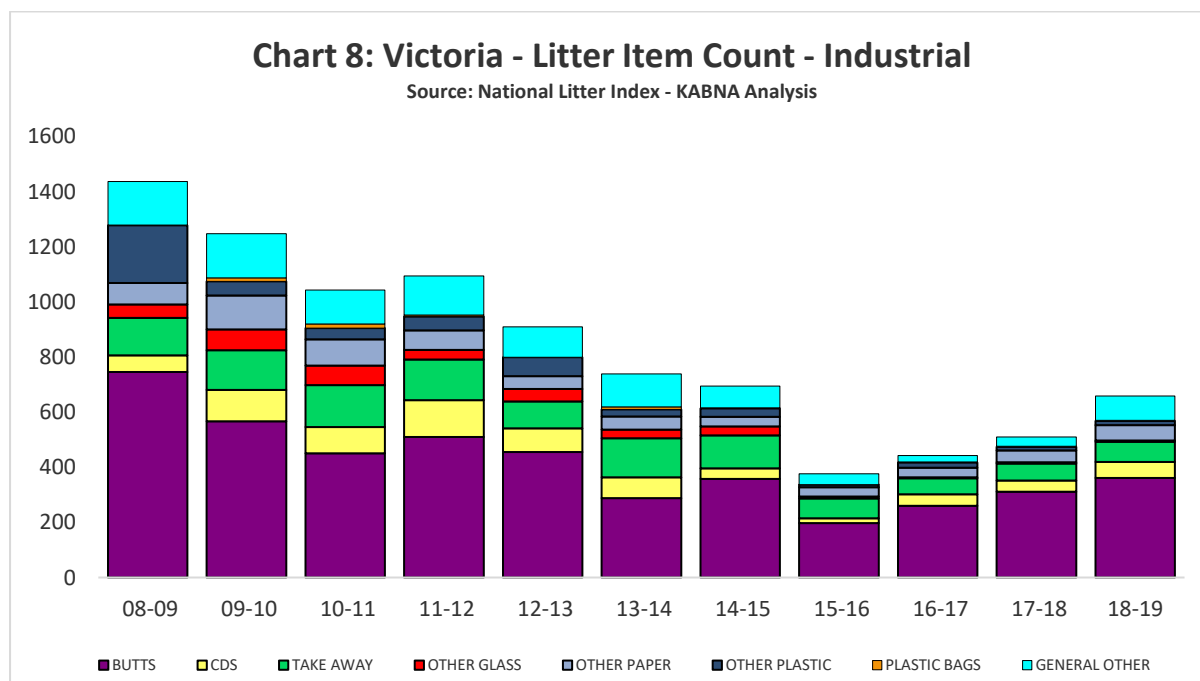
Major Roads/Highways

There was a marginal rise in litter of 2.4% at major roads/highways in Victoria in 2018/19 which was mainly attributed to an increase of 44.1% in takeaway food and beverage litter and 31.0% in other paper litter. The increase in litter was offset to some extent with decreases of 27.9% in other general litter and 9.9% in cigarette related litter.



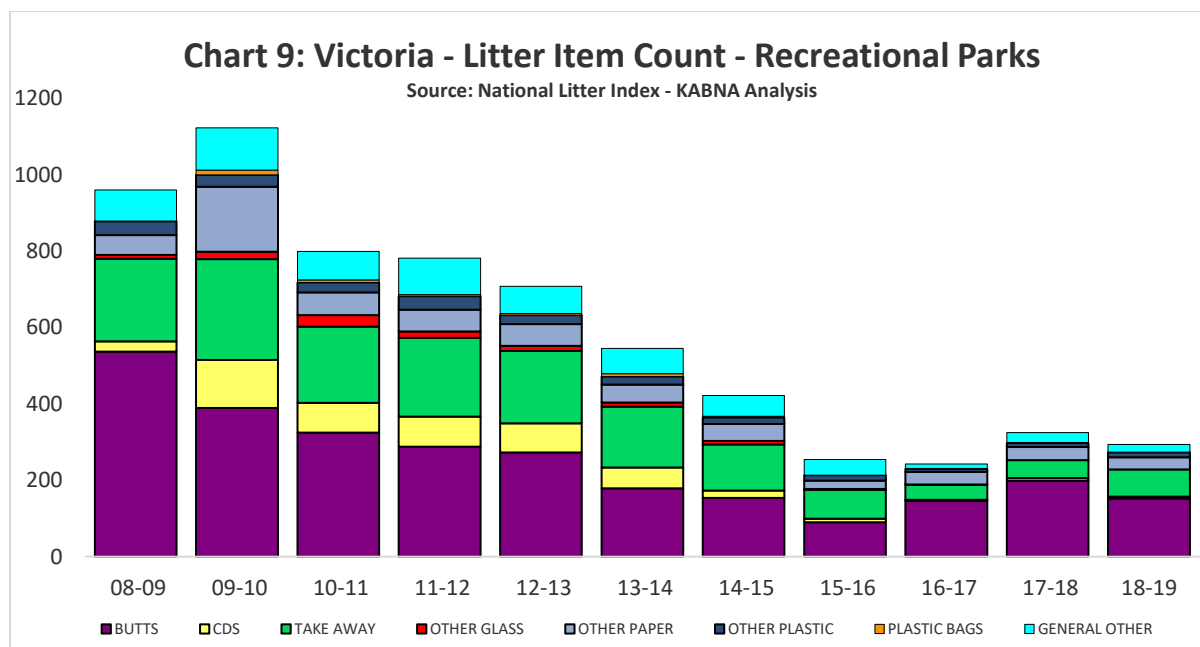
Industrial Precincts

Industrial precincts experienced a rise of litter of 29.0% in 2018/19, however, this was lower than levels recorded from 2008/09 to 2014/15. Litter levels rose across all categories, with the higher level of litter mainly attributed to increases of 101.1% in general other litter, 56.0% in beverage containers, 31.8% in takeaway food and beverage litter and 15.9% in cigarette related litter.



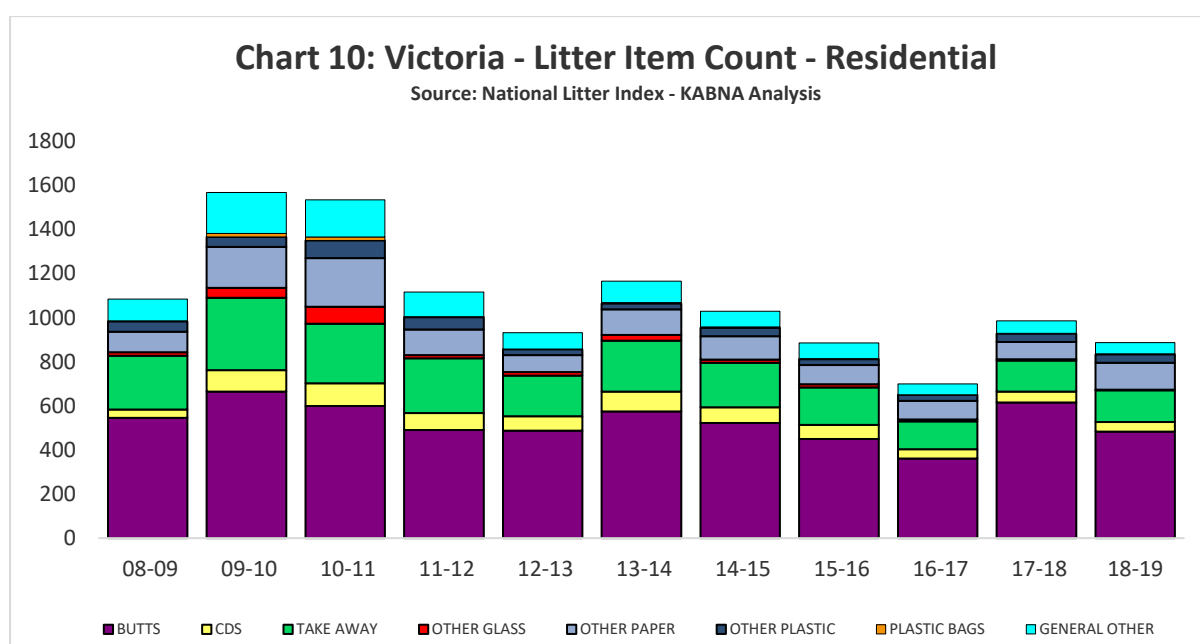
Recreational Parks

Litter levels decreased at recreational parks by 10.0% overall in 2018/19, the result was also lower than all other litter levels recorded from 2008/09 to 2014/15. The decline in overall litter counted was mainly attributed to a decrease of 23.8% in cigarette related litter. Lower litter levels were offset to some degree by an increase of 53.8% in takeaway food and beverage litter.



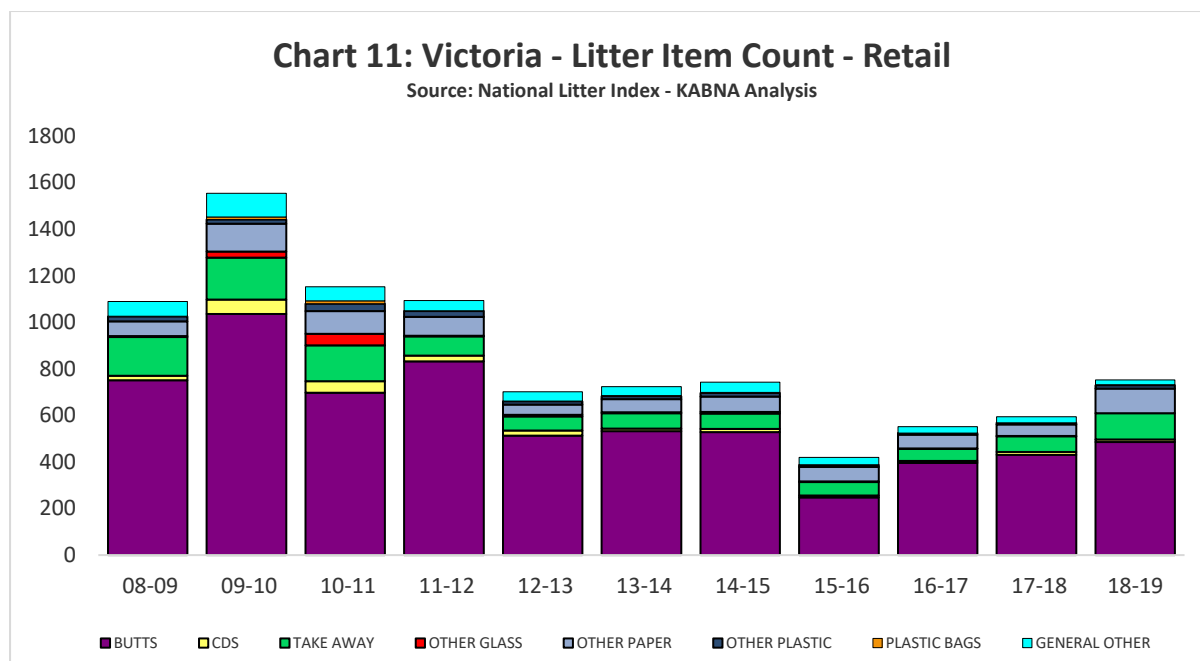
Residential Streets

Similarly, litter levels decreased at residential streets by 9.9% in 2018/19, the result was also lower than all other litter levels recorded from 2008/09 to 2014/15. The decline in overall litter counted was also mainly attributed to a decrease of 21.5% in cigarette related litter. Lower litter levels were offset to some extent by an increase of 54.8% in other paper litter and 6.5% in takeaway food and beverage litter.



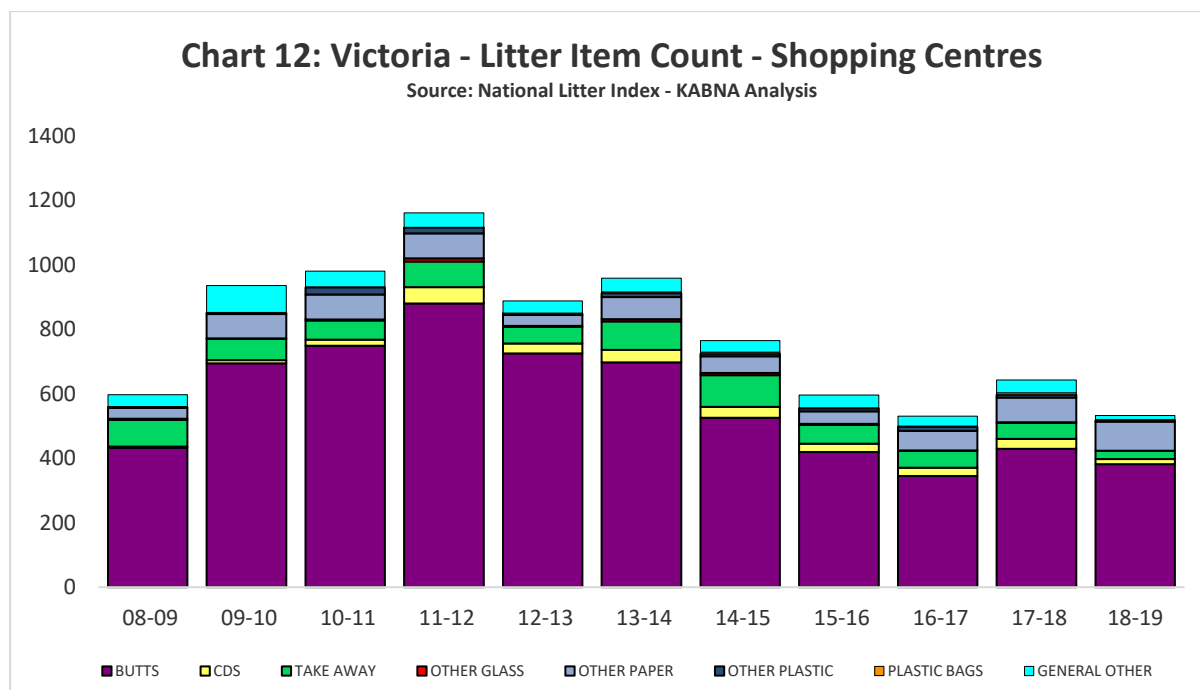
Retail Precincts

Litter levels increased at retail precincts by 26.6% overall in 2018/19, however, this was lower than previous litter levels from 2008/09 to 2014/15. The rise was mainly due to increases of 112.1% in other paper litter, 68.7% in takeaway food and beverage litter and 12.8% in cigarette related litter.



Shopping Centres

There was a 17.1% fall in litter recorded at shopping centres in Victoria in 2018/19 which was mainly attributed to decreases of 47.5% in beverage containers, 46.9% in takeaway food and beverage litter, 69.4% in general other litter and 11.0% in cigarette related litter.



Normalisation for Area Surveyed

The data below has been normalised to the number of items per 1,000m² and litres per 1,000m² to be able to compare the amounts and volumes of litter by different site types.

The method to normalise the data uses the following calculation:

$$\text{Items or litres per 1,000m}^2 = \frac{\text{the number of items counted}}{\text{divided by the area of sites}} \times \text{multiplied by 1,000}$$

Litter items per 1,000m²

As demonstrated in the tables below, when the area surveyed is taken into account, retail precincts have the highest litter count in Victoria. The 2018/19 monitor recorded, on average, 21 items per 1000m², down from 23 items per 1000m² in the 2017/18 monitor.

Table 4: Victoria Litter Item Count per 1,000m ² Comparison 2017/18 to 2018/19		Items								
		Beach	Car Park	Highway	Industrial	Recreational Park	Residential	Retail	Shopping Centre	Total
VIC 2018/19	Areas Surveyed	8000	36657	93950	15545	25360	33075	10311	16505	239403
	Items counted (excl illegal dumping)	163	881	906	658	294	887	752	533	5072
	Per 1,000 sq m	20	24	10	42	12	27	73	32	21
VIC 2017/18	Areas Surveyed	8000	36657	93950	15545	25360	33075	10311	16505	239403
	Items counted (excl illegal dumping)	240	1214	884	510	326	986	594	643	5396
	Per 1,000 sq m	30	33	9	33	13	30	58	39	23

Litter volume per 1,000m² (excluding illegal dumping)

A different result was observed in volumetric terms, with industrial precincts having the highest volumes of litter per 1000m² in Victoria. The total overall volume of litter has decreased to 1.36 litres per 1000m² in 2018/19, down from to 1.53 litres per 1000m² in the 2017/18.

Table 5: Victoria Litter Volume per 1,000m² Comparison 2017/18 to 2018/19		Volume - Litres								
		Beach	Car Park	Highway	Industrial	Recreational Park	Residential	Retail	Shopping Centre	Total
VIC 2018/19	Areas Surveyed	8000	36657	93950	15545	25360	33075	10311	16505	239403
	Litter volume (excl illegal dumping)	3.401	37.294	126.914	59.070	13.351	51.212	18.683	13.155	323.080
	Per 1,000 sq m	0.43	1.02	1.35	3.80	0.53	1.55	1.81	0.80	1.35
VIC 2017/18	Areas Surveyed	8000	36657	93950	15545	25360	33075	10311	16505	239403
	Litter volume (excl illegal dumping)	7.165	78.093	146.103	39.730	6.009	53.240	9.113	27.859	367.312
	Per 1,000 sq m	0.90	2.13	1.56	2.56	0.24	1.61	0.88	1.69	1.53

Victorian Litter Monitor Tables

Detailed Litter Count Tables – Victoria

Table 6: Victoria - Litter Count Analysis (2018 & 19 AVERAGE)		Items									Beverage Containers		Takeaway Food		
		Beach	Car Park	Highway	Industrial	Recreational Park	Residential	Retail	Shopping Centre	Total	Beverage container	Items	Takeaway Food	Items	
CIGARETTE BUTTS		101.5	746.5	320.5	299	198.5	602.5	427.5	420.5	3117					
GLASS	Alcoholic sodas / spirit-based mixers, all sizes	0.5	1.5	1.5						4	y	4			
	Beer, all colours of glass, <750ml		8.5	16	2.5	0.5	2		2.5	32	y	32			
	Beer, all colours of glass, 750ml+										y				
	Cider/fruit based etc.		2	2.5						5	y	5			
	Flav wtr/fruit j, dr/sprts dr, (non-carb), <1 litre			2			1.5			4	y	4			
	Flav wtr/fruit j, dr/sprts dr, (non-carb), 1 litre+		0.5							1	y	1			
	Flav. water/soft drink (carbonated) <1 litre			0.5		0.5	2			3	y	3			
	Flav. water/soft drink (carbonated) 1 litre+										y				
	Fruit juice, < 1 litre	0.5			0.5					1	y	1			
	Fruit juice, 1 litre+														
	Other glass		12	10	5	1.5	6.5	0.5	1.5	37					
	Plain water (carbonated or non-carb), <1 litre	0.5	2.5	2.5			3			9	y	9			
	Plain water (carbonated or non-carb), 1 litre+			0.5			1.5			2	y	2			
	Wine & spirit, all sizes														
Wine cooler, all sizes										y					
Total		2	27	36	8	3	17	1	4	96		59			
ILLEGAL DUMPING			0.5	1.5		0.5				3					
METAL	Aerosols - pressure packs		3	2.5			1		1.5	8					
	Alcoholic sodas & spirit-based mixers		10	13.5	5.5	1	3	0.5	3	37	y	37			
	Beer, aluminium, all types, all sizes		8.5	23.5	3	0.5		1	3	40	y	40			
	Cider/fruit based etc.		0.5	0.5	0.5					2	y	2			
	Flav. water/soft drink, (carbonated), all sizes	1.5	18.5	28.5	11	1	11	4	6.5	82	y	82			
	Flav. water/soft drink, (non-carb), all sizes		1				2	2	0.5	6	y	6			
	Foil take away		0.5	0.5						1			y	1	
	Food cans (including pet food)			1	1.5		0.5		1.5	5					
	Industrial cans - all types														
	Metal bottle tops and can pull rings	3	27	7	11	6	9	25.5	6	95			y	95	
	Metal pieces	2	6	6	1				2	21					
	Other foil	15.5	14	19.5	4	3.5	15	5	12.5	89					
	Total		22	89	103	38	12	46	38	37	383		165		96
	MISCELLANEOUS	Clothing & materials	1	5	7	2.5	2	3.5	1		22				
Condoms		0.5	1.5	1			1			4					
Construction materials		1	0.5	1.5	0.5	1	1.5		0.5	7					
Disposable nappies		2.5	3			0.5	2.5	3	0.5	12					
Ice cream sticks		3	7.5	2	1	1	5	5.5	0.5	26			y	26	
Other miscellaneous			4	5	1.5	1	3	2	2.5	19					
Rubber pieces (not tyres)			0.5	1	8	3.5				13					
Syringes					0.5					1					
Tyres & pieces		1	0.5	3			0.5			5					
Total		9	23	21	14	9	17	12	4	108				26	
PAPER/PAPERBOARD	Cartons, flavoured milk < 1 litre	0.5	2	1.5	0.5	0.5	4.5		3.5	13	y	13			
	Cartons, flavoured milk 1 litre+				0.5					1					
	Cartons, fruit juice, < 1 litre			1	1.5		0.5	0.5	0.5	4	y	4			
	Cartons, fruit juice, 1 litre+														
	Cartons, milk, plain (white) all sizes		0.5							1					
	Cigarette packets	1	14	12.5	12.5	1	12	3	8.5	65					
	Cups/take away containers	1.5	6.5	16.5	5	1	6.5		1	38			y	38	
	Coffee cups	0.5	11	25	6.5	1	8.5	1.5	2	56					
	Flav. water/fruit j, drink/sports drink, non-carb, <1 litre		1	2.5			1.5			5	y	5			
	Flav. water / fruit j, drink/ sports drink, (non-carb), 1 litre+		0.5				0.5			1	y	1			
	Ice cream wrappers	1	1.5	1	0.5	0.5	3	1	1.5	10			y	10	
	Junk mail / free circulars		5	2	0.5		4.5		0.5	13					
	Newspapers & magazines		2	2.5	1.5		1.5	0.5	1.5	10					
	Other paper	33	130	121	42	34	78.5	49.5	76.5	565					
	Packages & boxes	0.5	4	11	3	0.5	5.5		0.5	25					
	Paper bags	2	5	9	4	4.5	2.5	9.5	2	39					
	Shopper dockets & related shopping paper (eg. lists)		3.5	1		0.5	1.5	1	13	21					
	Tickets, e.g. bus, ATM, vending machine etc.			1.5	1		3.5	3	0.5	10					
	Total		40	187	208	79	44	135	70	112	873		23		48
PLASTIC	6 ring can holders		1				1	0.5		3					
	Bags - heavier glossy typically branded carry bags	1	3	6.5	2.5	0.5	1		2.5	17					
	Bags - supermarket type light weight carry bags	1	0.5	3			1	0.5	0.5	3					
	Bread bag tags		1	1.5	0.5	7.5	2.5	0.5		14					
	Containers, domestic type		0.5	1.5			0.5			3					
	Containers, industrial e.g. oil		0.5	1						2					
	Drink pouches		1	1					1	3	y	3			
	Flav. milk, <1 litre		2	7	3		2	1	0.5	16	y	16			
	Flav. milk, 1 litre+										y				
	Flav wtr/fruit j, dr, sprts dr etc. (non-carb) <1 litre		2	3.5	2		2	1	1.5	12	y	12			
	Flav. wtr/fruit j, dr, sprts dr etc. (non-carb) 1 litre+		1	1			0.5			3	y	3			
	Flav. water/soft drink (carbonated) <1 litre		1.5	8	2	0.5	6	1	2	21	y	21			
	Flav. water/soft drink (carbonated) 1 litre+			0.5	0.5				0.5	2	y	2			
	Fruit juice <1 litre		0.5	0.5			1.5		1.5	4	y	4			
	Fruit juice, 1 litre+														
	Lollipop sticks	6.5	8.5	2	1.5	13.5	8.5	6	4.5	51			y	51	
	Other plastic	22.5	33.5	43	13	10.5	37	6.5	9.5	176					
	Packing tape & straps	1	3	4.5	2	0.5	2		0.5	14					
	Plain water (carbonated or non-carb) <1 litre	3	7.5	12	6.5	1.5	5	1	3.5	40	y	40			
	Plain water (carbonated or non-carb) 1 litre+		0.5	2	1.5				1	5	y	5			
	Plastic bottle tops	9	22.5	18	14	7.5	27.5	10	3.5	112			y	112	
	Sacks - sheeting - other bags			7					0.5	8					
	Snack bags & confectionary wrappers	9	23	23	9.5	5	28.5	8	23.5	130			y	130	
	Spoons/ cutlery	0.5	3.5	1.5	2	4	2.5	2.5	2	19			y	19	
	Straws	10	14	19.5	5.5	6.5	29.5	7	3	95			y	95	
	Styrene foam boxes, sheets, etc	1.5	0.5	7	1					10					
	Take away & cups	1	11	22.5	5	1.5	11.5	1.5	2.5	57			y	57	
	White milk, all sizes				0.5					1					
Wine cask bladders															
Total		66	142	197	73	60	170	47	67	821		105		463	
GRAND TOTAL		240	1214	886	510	326	986	594	643	5398		351		632	

Detailed Litter Volume Tables – Victoria

Table 7: Victoria - Litter Volume Analysis (2018 & 19 AVERAGE)										Volume - Litres					Beverage Containers		Takeaway Food						
										Beach	Car Park	Highway	Industrial	Recreational Park	Residential	Retail	Shopping Centre	Total	Beverage container	Items	Takeaway Food	Items	
GLASS	CIGARETTE BUTTS										0.011673	0.085848	0.036858	0.034385	0.022828	0.069288	0.049163	0.048358	0.358398				
	Alcoholic sodas / spirit-based mixers, all sizes	0.187150	0.561450	0.561450						1.310050	y	1.310											
	Beer, all colours of glass, <750ml		3.934855	7.406786	1.157310	0.231462	0.925848		1.157310	14.813573	y	14.814											
	Beer, all colours of glass, 750ml+										y												
	Cider/fruit based etc.		0.915706	1.144633						2.060339	y	2.060											
	Flav wtr/fruit j. dr/sprts dr. (non-carb), <1 litre			1.108574			0.831430			1.940004	y	1.940											
	Flav wtr/fruit j. dr/sprts dr. (non-carb), 1 litre+		0.638623							0.638623	y	0.639											
	Flav. water/soft drink (carbonated) <1 litre			0.197920		0.197920	0.791681			1.187522	y	1.188											
	Flav. water/soft drink (carbonated) 1 litre+										y												
	Fruit juice, < 1 litre	0.212058			0.212058					0.424115	y	0.424											
	Fruit juice, 1 litre+																						
	Other glass		0.235680	0.196400	0.098200	0.029460	0.127660	0.009820	0.029460	0.726680													
	Plain water (carbonated or non-carb.), <1 litre	0.290534	1.452672	1.452672			1.743207			4.939086	y	4.939											
Plain water (carbonated or non-carb.), 1 litre+			0.529625			1.588875			2.118500	y	2.119												
Wine & spirit, all sizes																							
Wine cooler, all sizes																							
Total	0.689742	7.738987	12.598061	1.467568	0.458842	6.008702	0.009820	1.186770	30.158492		29.432												
METAL	ILLEGAL DUMPING																						
		12.000000	36.000000			12.000000				60.000000													
		2.052720	1.710600				0.684240		1.026360	5.473920													
	Alcoholic sodas & spirit-based mixers		4.314000	5.823900	2.372700	0.431400	1.294200	0.215700	1.294200	15.748100	y	15.746											
	Beer, aluminium, all types, all sizes		3.666900	10.137900	1.294200	0.215700			0.431400	17.040300	y	17.040											
	Cider/fruit based etc.		0.215700	0.215700	0.215700					0.647100	y	0.647											
	Flav. water/soft drink, (carbonated), all sizes	0.638303	7.872402	12.127755	4.680888	0.425535	4.680888	1.702141	2.765979	34.893892	y	34.894											
	Flav. water/soft drink, (non-carb), all sizes		0.381600				0.763200	0.763200	0.190800	2.098800	y	2.099											
	Foil take away		0.231190	0.231190						0.462380			y	0.462									
	Food cans (including pet food)			0.463800	0.695700		0.231900		0.695700	2.087100													
	Industrial cans - all types																						
	Metal bottle tops and can pull rings	0.012000	0.180000	0.029000	0.044000	0.024000	0.036000	0.102000	0.024000	0.378000			y	0.378									
	Metal pieces	0.021200	0.063600	0.063600	0.010600		0.042400		0.021200	0.222600													
Other foil	0.024180	0.021840	0.030420	0.006240	0.005460	0.023400	0.007800	0.019500	0.138840														
Total	0.695683	18.927952	30.832865	9.320828	1.102095	7.756228	3.222241	7.331939	79.189032		70.426		0.840										
MISCELLANEOUS	Clothing & materials	0.015300	0.076500	0.107100		0.038250	0.030600	0.063550	0.015300	0.336600													
	Condoms	0.180000	0.540000	0.360000			0.360000			1.440000													
	Construction materials	0.360000	0.180000	0.540000	0.180000	0.360000	0.540000		0.562500	2.722500													
	Disposable nappies	0.002300	0.002760			0.000460	0.002300	0.002760	0.000460	0.011040													
	Ice cream sticks	0.002760	0.006900	0.001840	0.000920	0.004600	0.005060	0.000460	0.000460	0.023460			y	0.023									
	Other miscellaneous		0.054000	0.067500	0.020250	0.013500	0.040500	0.027000	0.033750	0.256500													
	Rubber pieces (not tyres)		0.000082	0.000165	0.001316	0.000576				0.002139													
	Syringes				0.001130					0.001130													
	Tyres & pieces	0.225000	0.112500	0.575000			0.112500			1.125000													
	Total	0.785360	0.972742	1.751605	0.241866	0.406056	1.113450	0.050120	0.597170	5.918369										0.023			
	Cartons, flavoured milk < 1 litre	0.336240	1.344960	1.008720	0.336240	0.336240	3.026160			8.742240	y	8.742											
	Cartons, flavoured milk 1 litre+				0.506330					0.506330													
	Cartons, fruit juice, < 1 litre				0.624750	0.937125		0.312375	0.312375	2.499000	y	2.499											
Cartons, fruit juice, 1 litre+																							
Cartons, milk, plain (white) all sizes		0.506330							0.506330														
Cigarette packets	0.217870	3.050180	2.723375	2.723375	0.217870	2.614440	0.653610	1.851895	14.052615														
Cups/take away containers	1.093425	4.738175	12.027675	3.644750	0.728950	4.738175		0.728950	27.700100			y	27.700										
Coffee cups	0.245013	5.390282	12.250641	3.185167	0.490026	4.165218	0.735038	0.980051	27.441435														
Flav. water/fruit j. drink/sports drink, non-carb, <1 litre		0.302400	0.756000			0.453600			1.512000	y	1.512												
Flav. water / fruit j. drink/ sports drink, (non-carb), 1 litre+		1.035000				1.035000			2.070000	y	2.070												
Ice cream wrappers	0.002400	0.003600	0.002400	0.001200	0.001200	0.007200	0.002400	0.003600	0.024000			y	0.024										
Junk mail / free circulars		0.870000	0.348000	0.087000		0.783000		0.087000	2.175000														
Newspapers & magazines		2.360000	2.950000	1.770000		1.770000	0.590000	1.770000	11.210000														
Other paper	0.111540	0.439400	0.408980	0.141960	0.114920	0.265330	0.167310	0.258570	1.908010														
Packages & boxes	0.040000	0.320000	0.880000	0.240000	0.040000	0.440000		0.040000	2.000000														
Paper bags	0.021160	0.052900	0.095220	0.042320	0.047610	0.026450	0.100510	0.021160	0.407330														
Shopper dockets & related shopping paper (eg. lists)		0.007105	0.002030		0.001015	0.003045	0.002030	0.026390	0.041615														
Tickets, e.g. bus, ATM, vending machine etc.		0.001320	0.000880		0.003080	0.002640		0.000440	0.008360														
Total	2.067648	20.420332	34.079111	13.616347	1.977381	19.643073	2.565913	8.434111	102.804366		14.823		27.724										
PLASTIC	6 ring can holders		0.001500			0.001500		0.007050		0.003750													
	Bags - heavier glossy typically branded carry bags	0.033940	0.101820	0.220610	0.084850	0.016970	0.033940		0.084850	0.576980													
	Bags - supermarket type light weight carry bags	0.033940	0.016970	0.101820		0.033940	0.016970	0.101820	0.322430														
	Bread bag tags		0.000230	0.000345	0.000115	0.001725	0.000575	0.000115		0.003105													
	Containers, domestic type		4.162000	12.486000			4.162000			20.810000													
	Containers, industrial e.g. oil		11.229900	22.458000						33.887000													
	Drink pouches		0.086250	0.086250					0.086250	0.258750	y	0.259											
	Flav. milk, <1 litre		1.065400	3.728900	1.598100		1.065400	0.532700	0.266350	8.256850	y	8.257											
	Flav. milk, 1 litre+										y												
	Flav wtr/fruit j. dr. sprts dr etc.(non-carb) <1 litre		1.475240	2.581669	1.475240		1.475240	0.737620	1.106430	8.851437	y	8.851											
	Flav wtr/fruit j. dr. sprts dr etc.(non-carb) 1 litre+		1.201103	1.201103			0.600551			3.002757	y	3.003											
	Flav. water/soft drink (carbonated) <1 litre		0.933165	4.978880	1.244220	0.311055	3.732660	0.622110	1.244220	13.064310	y	13.064											
	Flav. water/soft drink (carbonated) 1 litre+			0.827000	0.827000					0.827000	y	2.481											
	Fruit juice <1 litre			0.200023	0.200023		0.600070		1.468391	2.468508	y	2.469											
	Fruit juice, 1 litre+																						
	Lollipop sticks	0.003445	0.004505	0.010160	0.000795	0.007155	0.004505	0.003180	0.002385	0.027030			y	0.027									
	Other plastic	0.028125	0.041875	0.053750	0.016250	0.013125	0.046250	0.008125	0.011875	0.219375													
	Packing tape & straps	0.000270	0.000810	0.001215	0.000540	0.000135	0.000540		0.000135	0.003645													
	Plain water (carbonated or non-carb) <1 litre	2.363700	5.909250	9.454800	5.121350	1.818500	3.395900	0.787900	2.757650	31.516000	y	31.516											
	Plain water (carbonated or non-carb) 1 litre+		0.770785	0.383140	2.312355				1.541570	7.707850	y	7.708											
	Plastic bottle tops	0.072045	0.180113	0.144090	0.112070	0.060038	0.220138	0.0800															

Appendix 1 - Rural Highways Results

The 2018/19 monitor of the rural road sites counted 3.6% less litter than observed in 2017/18, with the decrease across all litter categories except takeaway food and beverage packaging litter and general other litter which experienced increases. On a volumetric basis, there was a corresponding 11.0 % fall in litter volumes.

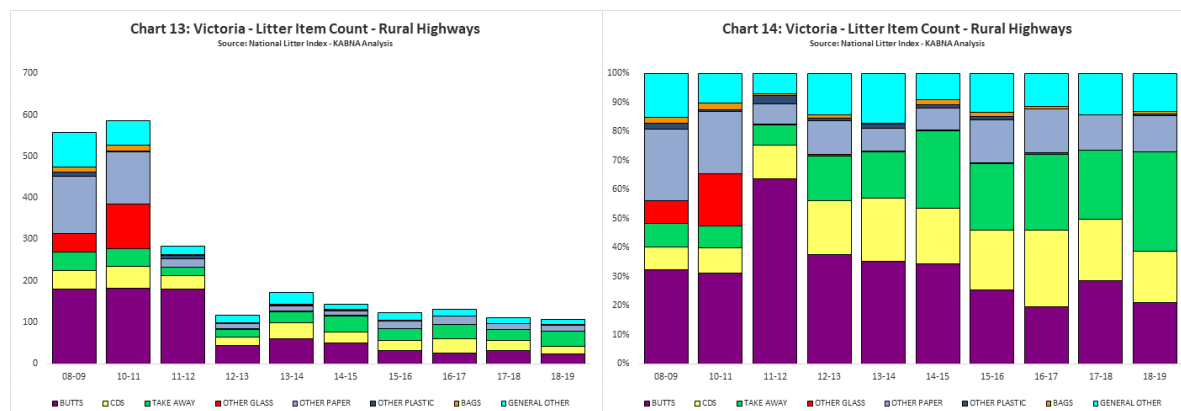
In 2018/19 takeaway food and beverage packaging litter made the largest contribution to the rural highways litter stream, followed by cigarette related litter.

As shown below, the latest monitor is a continuation in the longer-term trend of reduced litter levels on Victorian rural highways. There are also similarities between the rural highway sites and the broader NLI monitor of Victorian roads with both site types have some similar patterns in the types of litter in their litter stream.

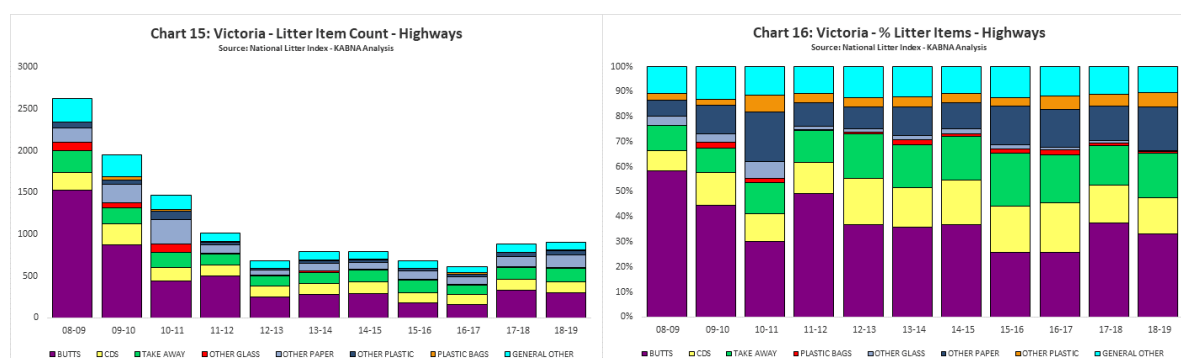
As shown in the table below, Victorian rural highways have lower litter loads (both in terms of items and their volumetric impact) than the broader NLI monitor of Victorian roads and the state as a whole.

Table 8: Victoria - Litter Count & Volumes per 1,000m ² - Comparison of Major Highways and Rural Highways			
2018/19 Litter Loads	Vic Rural Highways	Vic NLI Highways	Vic NLI Total State
Items Counted (per '000 sq m)	3.6	9.6	21.2
Volume (litres per '000 sq m)	0.52	1.35	1.35

Rural Highway Charts



Major Road Highway Charts



		Items	Volume - Litres
RURAL H'WAYS ANNUAL		VIC	VIC
2018/19	Butts & Packaging	23	0.438
	Beverage Containers	19	9.563
	Takeaway Food & Beverage	37	4.683
	Other Glass	0	0.000
	Other Paper	14	0.046
	Other Plastic	1	0.001
	General Other	14	0.718
	Plastic Bags	1	0.061
	Illegal Dumping	0	0.000
	GRAND TOTAL	108	15.509
2017/18	Butts & Packaging	32	0.548
	Beverage Containers	24	11.188
	Takeaway Food & Beverage	27	3.314
	Other Glass	0	0.000
	Other Paper	14	0.046
	Other Plastic	0	0.000
	General Other	16	2.330
	Plastic Bags	0	0.000
	Illegal Dumping	0	0.000
	GRAND TOTAL	112	17.426
% REDUCTION	Butts & Packaging	29.7%	20.1%
	Beverage Containers	19.1%	14.5%
	Takeaway Food & Beverage	-39.6%	-41.3%
	Other Glass	0.0%	0.0%
	Other Paper	0.0%	0.0%
	Other Plastic	0.0%	0.0%
	General Other	12.5%	69.2%
	Plastic Bags	0.0%	0.0%
	Illegal Dumping	0.0%	0.0%
	Grand Total (excluding illegal dumping)	3.6%	11.0%
GRAND TOTAL		3.6%	11.0%
2018/19	Areas Surveyed	30000	30000
	Items counted excl illegal dumping)	108	16
	Per 1,000 sq m	3.6	0.52
2017/18	Areas Surveyed	30000	30000
	Items counted excl illegal dumping)	112	17
	Per 1,000 sq m	3.7	0.58
SHARE OF TOTAL LITTER STREAM 2018/19	Butts & Packaging	21%	3%
	Beverage Containers	18%	62%
	Takeaway Food & Beverage	34%	30%
	Other Glass	0%	0%
	Other Paper	13%	0%
	Other Plastic	0%	0%
	General Other	13%	5%
	Plastic Bags	1%	0%
	Illegal Dumping	0%	0%
	GRAND TOTAL	100%	100%
YOY REDUCTION		4	1.92

		Items	Volume - Litres	Beverage Containers			Takeaway Food		
VIC - 2018 & 19 AVERAGE		VIC	VIC	Beverage container	Items	Volume	Takeaway Food	Items	Volume
CIGARETTE BUTTS		21	0.002		0	0.000		0	0.000
GLASS	Alcoholic sodas / spirit-based mixers, all sizes	0	0.000	y	0	0.000		0	0.000
	Beer, all colours of glass, <750ml	5	2.083	y	5	2.083		0	0.000
	Beer, all colours of glass, 750ml+	0	0.000	y	0	0.000		0	0.000
	Cider/fruit based etc.	2	0.687	y	2	0.687		0	0.000
	Flav.wtr/fruit j. dr/spts dr. (non-carb), <1 litre	0	0.000	y	0	0.000		0	0.000
	Flav.wtr/fruit j. dr/spts dr. (non-carb), 1 litre+	0	0.000	y	0	0.000		0	0.000
	Flav. water/soft drink (carbonated) <1 litre	0	0.000	y	0	0.000		0	0.000
	Flav. water/soft drink (carbonated) 1 litre+	0	0.000	y	0	0.000		0	0.000
	Fruit juice, < 1 litre	0	0.000	y	0	0.000		0	0.000
	Fruit juice, 1 litre+	0	0.000		0	0.000		0	0.000
	Other glass	0	0.000		0	0.000		0	0.000
	Plain water (carbonated or non-carb.), <1 litre	0	0.000	y	0	0.000		0	0.000
	Plain water (carbonated or non-carb.), 1 litre+	0	0.000	y	0	0.000		0	0.000
	Wine & spirit, all sizes	0	0.000		0	0.000		0	0.000
	Wine cooler, all sizes	0	0.000	y	0	0.000		0	0.000
	Total	6	2.770		6	2.770		0	0.000
ILLEGAL DUMPING		0	0.000		0	0.000		0	0.000
METAL	Aerosols - pressure packs	0	0.000		0	0.000		0	0.000
	Alcoholic sodas & spirit-based mixers	3	1.294	y	3	1.294		0	0.000
	Beer, aluminium, all types, all sizes	4	1.510	y	4	1.510		0	0.000
	Cider/fruit based etc.	0	0.000	y	0	0.000		0	0.000
	Flav. water/soft drink, (carbonated), all sizes	3	1.064	y	3	1.064		0	0.000
	Flav. water/soft drink, (non-carb), all sizes	0	0.000	y	0	0.000		0	0.000
	Foil take away	1	0.231		0	0.000	y	1	0.231
	Food cans (including pet food)	1	0.232		0	0.000		0	0.000
	Industrial cans - all types	0	0.000		0	0.000		0	0.000
	Metal bottle tops and can pull rings	8	0.032		0	0.000	y	8	0.032
	Metal pieces	1	0.005		0	0.000		0	0.000
	Other foil	1	0.002		0	0.000		0	0.000
	Total	20	4.370		9	3.868		9	0.263
MISCELLANEOUS	Clothing & materials	4	0.061		0	0.000		0	0.000
	Condoms	0	0.000		0	0.000		0	0.000
	Construction materials	0	0.000		0	0.000		0	0.000
	Disposable nappies	0	0.000		0	0.000		0	0.000
	Ice cream sticks	2	0.002		0	0.000	y	2	0.002
	Other miscellaneous	1	0.014		0	0.000		0	0.000
	Rubber pieces (not tyres)	0	0.000		0	0.000		0	0.000
	Syringes	0	0.000		0	0.000		0	0.000
	Tyres & pieces	2	0.338		0	0.000		0	0.000
	Total	9	0.414		0	0.000		2	0.002
PAPER/PAPERBOARD	Cartons, flavoured milk < 1 litre	0	0.000	y	0	0.000		0	0.000
	Cartons, flavoured milk 1 litre+	0	0.000		0	0.000		0	0.000
	Cartons, fruit juice, < 1 litre	0	0.000	y	0	0.000		0	0.000
	Cartons, fruit juice, 1 litre+	0	0.000		0	0.000		0	0.000
	Cartons, milk, plain (white) all sizes	0	0.000		0	0.000		0	0.000
	Cigarette packets	2	0.436		0	0.000		0	0.000
	Cups/take away containers	3	2.187		0	0.000	y	3	2.187
	Coffee cups	4	1.715		0	0.000	y	4	1.715
	Flav. water/fruit j. drink/sports drink, non-carb, <1 litre	0	0.000	y	0	0.000		0	0.000
	Flav. water / fruit j. drink/ sports drink, (non-carb), 1 litre+	0	0.000	y	0	0.000		0	0.000
	Ice cream wrappers	1	0.002		0	0.000	y	1	0.002
	Junk mail / free circulars	0	0.000		0	0.000		0	0.000
	Newspapers & magazines	0	0.000		0	0.000		0	0.000
	Other paper	14	0.046		0	0.000		0	0.000
	Packages & boxes	1	0.040		0	0.000		0	0.000
	Paper bags	3	0.026		0	0.000		0	0.000
	Shopper dockets & related shopping paper (eg. lists)	0	0.000		0	0.000		0	0.000
	Tickets, e.g. bus, ATM, vending machine etc.	0	0.000		0	0.000		0	0.000
	Total	26	4.452		0	0.000		8	3.904
PLASTIC	6 ring can holders	0	0.000		0	0.000		0	0.000
	Bags - heavier glossy typically branded carry bags	1	0.044		0	0.000		0	0.000
	Bags - supermarket type light weight carry bags	1	0.017		0	0.000		0	0.000
	Bread bag tags	0	0.000		0	0.000		0	0.000
	Containers, domestic type	0	0.000		0	0.000		0	0.000
	Containers, industrial e.g. oil	0	0.000		0	0.000		0	0.000
	Drink pouches	0	0.000	y	0	0.000		0	0.000
	Flav. milk, <1 litre	2	0.799	y	2	0.799		0	0.000
	Flav. milk, 1 litre+	0	0.000		0	0.000		0	0.000
	Flav.wtr/fruit j. dr. spts dr etc. (non-carb) <1 litre	1	0.738	y	1	0.738		0	0.000
	Flav.wtr/fruit j. dr. spts dr etc. (non-carb) 1 litre+	1	0.601	y	1	0.601		0	0.000
	Flav. water/soft drink (carbonated) <1 litre	0	0.000	y	0	0.000		0	0.000
	Flav. water/soft drink (carbonated) 1 litre+	0	0.000	y	0	0.000		0	0.000
	Fruit juice <1 litre	0	0.000	y	0	0.000		0	0.000
	Fruit juice, 1 litre+	0	0.000		0	0.000		0	0.000
	Lollipop sticks	1	0.001		0	0.000	y	1	0.001
	Other plastic	1	0.001		0	0.000		0	0.000
	Packing tape & straps	3	0.001		0	0.000		0	0.000
	Plain water (carbonated or non-carb) <1 litre	1	0.788	y	1	0.788		0	0.000
	Plain water (carbonated or non-carb) 1 litre+	0	0.000	y	0	0.000		0	0.000
	Plastic bottle tops	4	0.032		0	0.000	y	4	0.032
	Sacks - sheeting - other bags	0	0.000		0	0.000		0	0.000
	Snack bags & confectionary wrappers	3	0.020		0	0.000	y	3	0.020
	Spoons/ cutlery	2	0.014		0	0.000	y	2	0.014
	Straws	8	0.033		0	0.000	y	8	0.033
	Styrene foam boxes, sheets, etc	0	0.000		0	0.000		0	0.000
	Take away & cups	2	0.414		0	0.000	y	2	0.414
	White milk, all sizes	0	0.000		0	0.000		0	0.000
	Wine cask bladders	0	0.000		0	0.000		0	0.000
	Total	27	3.501		4	2.925		19	0.514
GRAND TOTAL		108	15.509		19	9.563		37	4.683