



**NATIONAL LITTER INDEX
2017 - 2018**

TASMANIA RESULTS

**KEEP AUSTRALIA BEAUTIFUL NATIONAL ASSOCIATION
August 2018**

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Tasmania

Key Messages and Insights

- A decrease of 6.4% litter items counted in the 2017/18 from the previous year, with decreases in most litter categories, the largest decreases were observed in cigarette litter, takeaway containers and packaging, other paper and other general litter categories
- Decreases in litter were recorded at major roads and highways, retail precincts, car parks and shopping centres, while there were increases in litter recorded at recreational parks, beaches, and residential streets
- Industrial precincts, retail shopping precincts and shopping centres have the highest numbers of litter items, driven largely by cigarette litter
- Cigarette litter remained around two thirds (68%) of the overall litter
- Volumetric loads also decreased by 6.2% with industrial precincts recording the highest volumetric litter loads driven largely by beverage containers and other general litter

Survey Specifics

The national litter index surveys 76 sites across Tasmania, with an area surveyed of 99,740 square metres. While the primary focus of the survey is across Hobart suburban areas, a number of regional/rural sites, are also surveyed. A further 8 rural highway/road sites are surveyed and reported separately.

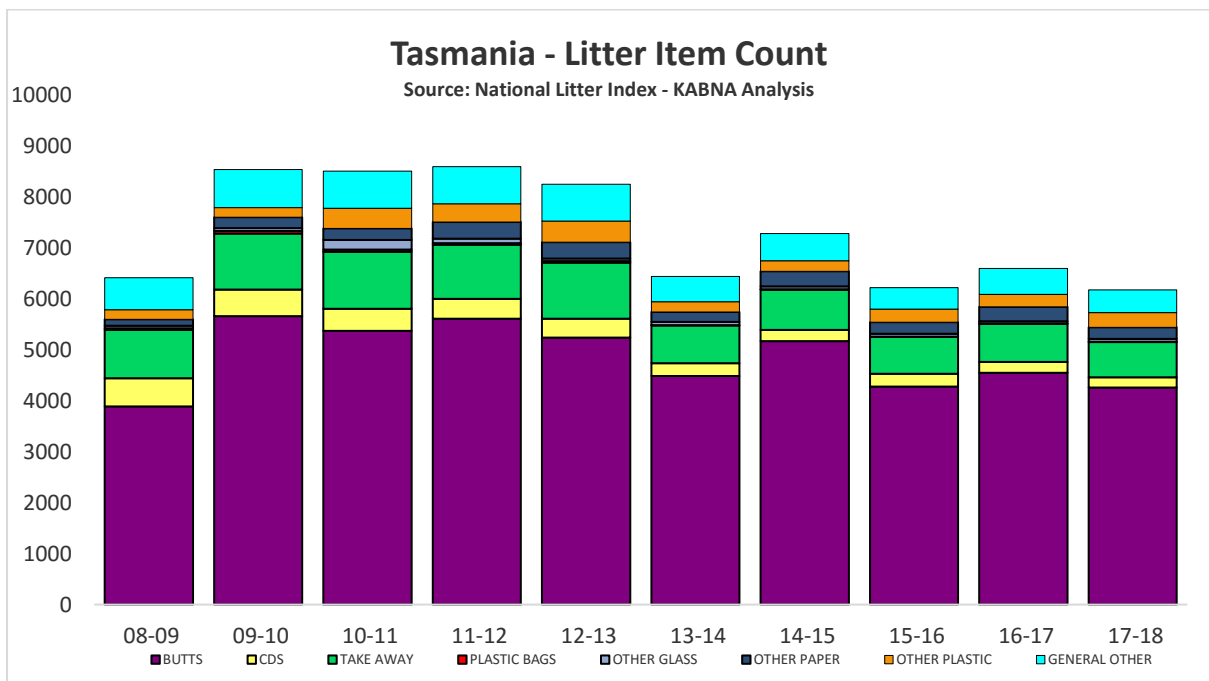
Site Types	Number Surveyed			Area Surveyed (sq m)
	Suburban	Regional	Total	
Beaches	5	3	8	4,050
Car Parks	9	2	11	16,378
Major Roads/Highways	8	5	13	36,200
Industrial Precincts	7	2	9	4,540
Recreational Parks	4	3	7	14,000
Residential Streets	11	2	13	10,650
Retail Precincts	5	3	8	5,172
Strip Shopping Precincts	6	1	7	8,750
TOTAL	55	21	76	99,740

Litter Counts

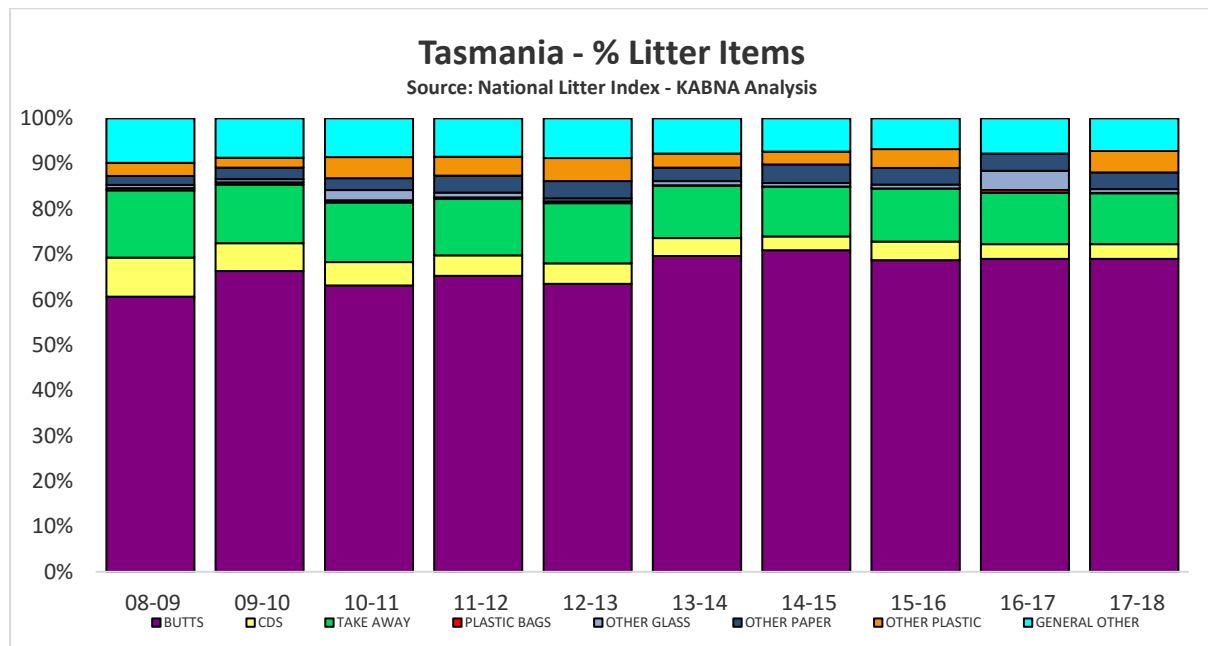
As demonstrated in the following table, the 2017/18 litter monitor recorded an 6.4% reduction in litter items from 2016/17, which was primarily due to decreases in several different categories including cigarette butts (-6.4%), takeaway packaging (-6.7%), other paper (-18.9%), and general other litter items (-13.5%). The decreases were offset by increases in reductions in other glass (+18.2%) and other plastic (+20.2%) litter.

TAS		Items								
		Beach	Car Park	Highway	Industrial	Recreational Park	Residential	Retail	Shopping Centre	Total
TAS 2017/18	Butts & Packaging	109	650	1179	359	97	287	747	829	4256
	Beverage Containers	5	9	74	40	26	12	8	29	201
	Takeaway Food & Beverage	66	53	183	60	126	48	94	67	694
	Other Glass	9	9	24	4		1	3		52
	Other Paper	19	19	73	42	15	16	25	20	227
	Other Plastic	49	22	84	52	19	28	23	16	292
	General Other	33	26	148	90	24	31	51	46	443
	Plastic Bags	1		3	2	1		1		6
	Illegal Dumping			1						1
	GRAND TOTAL	290	785	1766	647	306	422	950	1006	6171
TAS 2016/17	Butts & Packaging	129	669	1343	340	104	272	793	900	4549
	Beverage Containers	6	10	128	30	10	7	10	8	207
	Takeaway Food & Beverage	37	74	235	84	105	45	108	58	744
	Other Glass	11	5	17	6			2	1	44
	Other Paper	24	21	83	54	9	19	37	34	280
	Other Plastic	24	24	83	38	11	26	23	16	243
	General Other	21	44	170	95	20	32	64	70	512
	Plastic Bags	2	1	9	2		1			14
	Illegal Dumping				1					1
	GRAND TOTAL	252	847	2066	647	260	401	1037	1085	6592
% REDUCTION	Butts & Packaging	15.6%	2.9%	12.2%	-5.7%	7.2%	-5.5%	5.8%	7.9%	6.4%
	Beverage Containers	9.1%	15.0%	42.6%	-33.9%	-160.0%	-76.9%	20.0%	-286.7%	2.9%
	Takeaway Food & Beverage	-79.5%	28.6%	22.3%	28.1%	-20.1%	-6.7%	13.4%	-14.7%	6.7%
	Other Glass	18.2%	-88.9%	-42.4%	36.4%			-25.0%	100.0%	-18.2%
	Other Paper	20.8%	11.9%	12.1%	22.2%	-66.7%	18.4%	32.4%	41.8%	18.9%
	Other Plastic	-104.2%	10.4%	-1.2%	-38.7%	-72.7%	-7.8%	-2.2%	-3.2%	-20.2%
	General Other	-61.0%	40.9%	12.7%	5.8%	-17.5%	3.1%	21.1%	34.5%	13.5%
	Plastic Bags	66.7%	100.0%	66.7%			100.0%			55.6%
	Illegal Dumping				100.0%					
	Grand Total (excluding illegal dumping)	-15.1%	7.3%	14.5%	-0.2%	-17.9%	-5.2%	8.3%	7.3%	6.4%
GRAND TOTAL	-15.1%	7.3%	14.5%	-0.1%	-17.9%	-5.2%	8.3%	7.3%	6.4%	

The following demonstrate the longer-range trends in litter counted across the Tasmanian NLI sites. Litter counts were relatively unchanged from 2009/10 until 2012/13. In 2013/14 there was a major reduction in litter counted although the following years have seen an increase one year followed by a decrease the next. The lack of a discernible trend makes it difficult to draw conclusions and so future monitors will be required to ascertain the sustainability of recent reductions.



Overall, cigarette litter has increased to represent two thirds (68%) of Tasmania’s litter stream with beverage containers and takeaway food packaging reducing in proportion. These three categories, however, consistently represent 80-85% of Tasmania’s litter stream which is significantly higher than that seen in other jurisdictions.



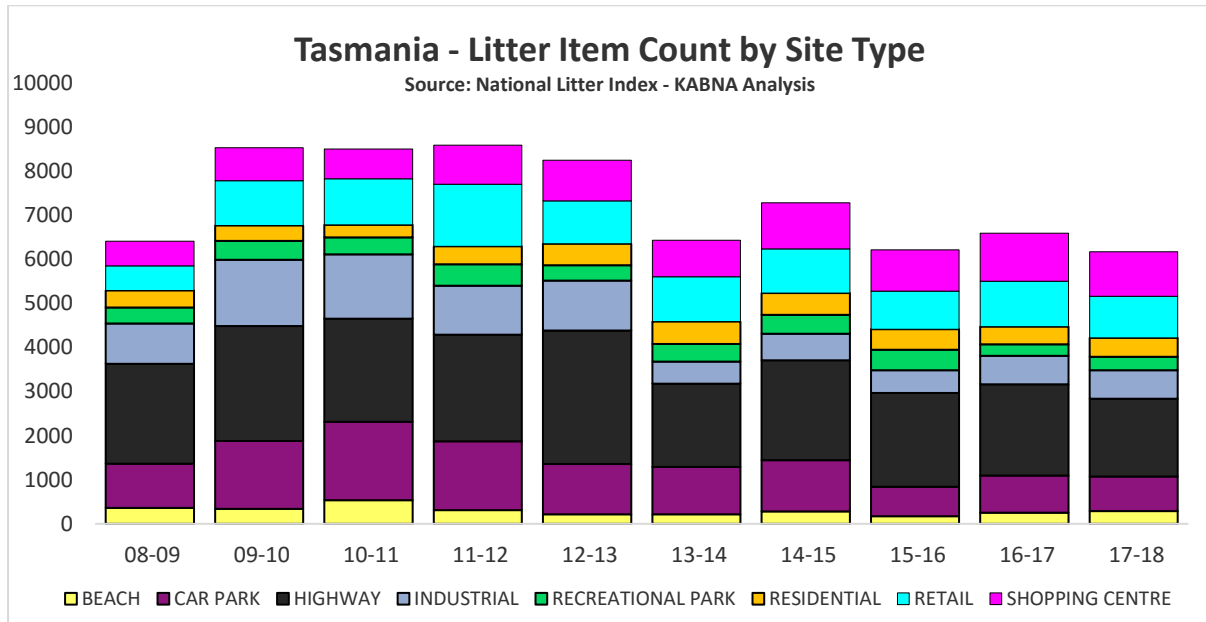
Volumetric Impacts

Tasmania’s 6.4% decrease in litter items counted corresponded with a 6.4% decrease in litter volume (excluding illegal dumping). The main contributors to the litter volume decreasing were takeaway food and beverage containers and more non-specific general litter items counted.

TAS		Volume - Litres									
		Beach	Car Park	Highway	Industrial	Recreational Park	Residential	Retail	Shopping Centre	Total	
TAS 2017/18	Butts & Packaging	0.121	0.837	4.055	1.239	0.229	0.904	0.521	0.531	8.437	
	Beverage Containers	2.292	4.080	40.994	21.041	14.677	6.180	4.033	18.675	111.971	
	Takeaway Food & Beverage	2.573	1.423	23.199	4.619	4.072	1.604	1.498	2.022	41.010	
	Other Glass	0.177	0.167	0.462	0.069	0.079	0.020	0.049		1.021	
	Other Paper	0.064	0.063	0.245	0.142	0.051	0.052	0.085	0.066	0.767	
	Other Plastic	0.061	0.027	0.104	0.065	0.024	0.034	0.029	0.020	0.364	
	General Other	9.499	3.006	48.553	11.860	2.533	10.067	3.635	5.176	94.329	
	Plastic Bags	0.044		0.209	0.131	0.017		0.044		0.445	
	Illegal Dumping			12.000						12.000	
	GRAND TOTAL	14.831	9.602	129.821	39.166	21.680	18.861	9.893	26.490	270.345	
TAS 2015/16	Butts & Packaging	0.124	0.621	3.203	1.237	0.012	0.358	0.527	0.757	6.838	
	Beverage Containers	2.536	5.107	71.094	18.310	4.932	3.056	5.509	4.391	114.937	
	Takeaway Food & Beverage	3.233	7.471	29.633	11.730	1.630	3.197	3.968	1.481	62.344	
	Other Glass	0.216	0.088	0.324	0.108	0.069		0.039	0.020	0.864	
	Other Paper	0.081	0.071	0.279	0.183	0.030	0.064	0.125	0.113	0.946	
	Other Plastic	0.030	0.030	0.103	0.047	0.014	0.032	0.028	0.019	0.303	
	General Other	24.238	1.204	32.325	23.647	1.833	1.855	2.789	1.446	89.337	
	Plastic Bags	0.051	0.034	0.547	0.078		0.044			0.753	
	Illegal Dumping			12.000						12.000	
	GRAND TOTAL	30.509	14.626	137.509	67.339	8.520	8.606	12.985	8.227	288.322	
% REDUCTION	Butts & Packaging	1.9%	-34.7%	-26.6%	-0.2%	-1813.5%	-152.6%	1.0%	29.9%	-23.4%	
	Beverage Containers	9.6%	20.1%	42.3%	-14.9%	-197.6%	-102.2%	26.8%	-325.3%	2.6%	
	Takeaway Food & Beverage	20.4%	81.0%	21.7%	60.6%	-149.8%	49.8%	62.2%	-36.5%	34.2%	
	Other Glass	18.2%	-88.9%	-42.4%	36.4%	-14.3%		-25.0%	100.0%	-18.2%	
	Other Paper	20.8%	11.9%	12.1%	22.2%	-66.7%	18.4%	32.4%	41.8%	18.9%	
	Other Plastic	-104.2%	10.4%	-1.2%	-38.7%	-72.7%	-7.8%	-2.2%	-3.2%	-20.2%	
	General Other	60.8%	-149.8%	-50.2%	49.8%	-38.2%	-442.7%	-30.3%	-258.1%	-5.6%	
	Plastic Bags	14.0%	100.0%	61.8%		-69.0%	100.0%			40.9%	
	Illegal Dumping				100.0%						
	Grand Total (excluding illegal dumping)	51.4%	34.3%	14.3%	29.2%	-154.5%	-119.2%	23.8%	-222.0%	6.5%	
GRAND TOTAL	51.4%	34.3%	5.6%	41.8%	-154.5%	-119.2%	23.8%	-222.0%	6.2%		

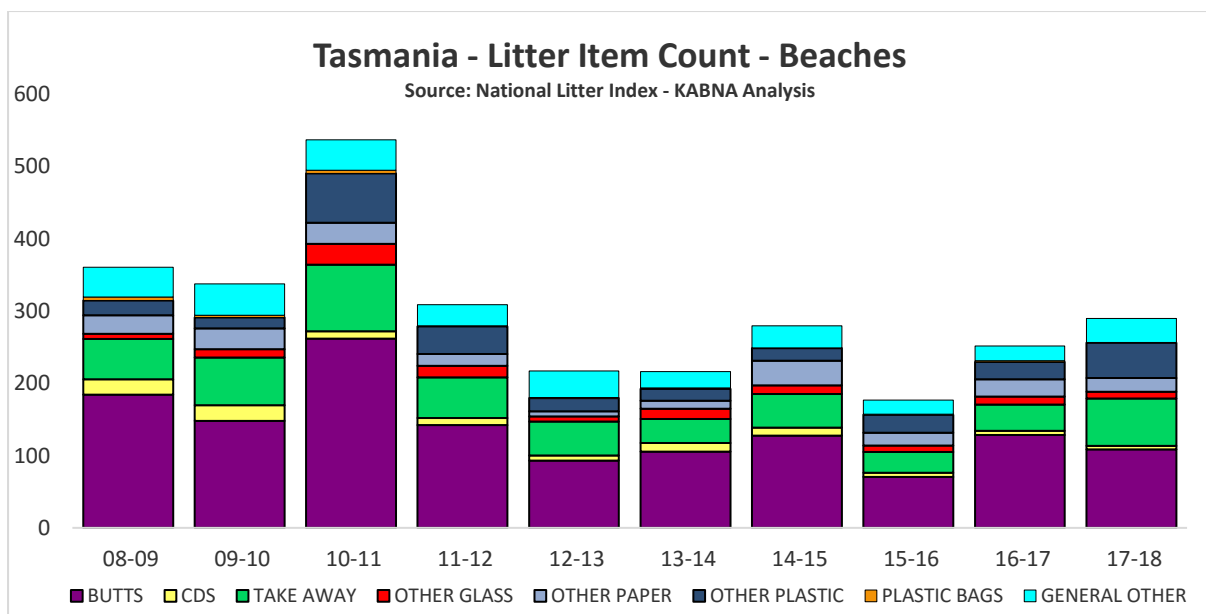
Littering Location

The decrease in overall litter was attributed to major roads and highways (-14.5%), retail precincts (-8.3%), car parks (-7.3%) and shopping centres (-7.3%). Increases in litter were recorded at recreational parks (+17.9%), beaches (+15.1%), residential streets (+5.2%) and industrial precincts (+0.1%).



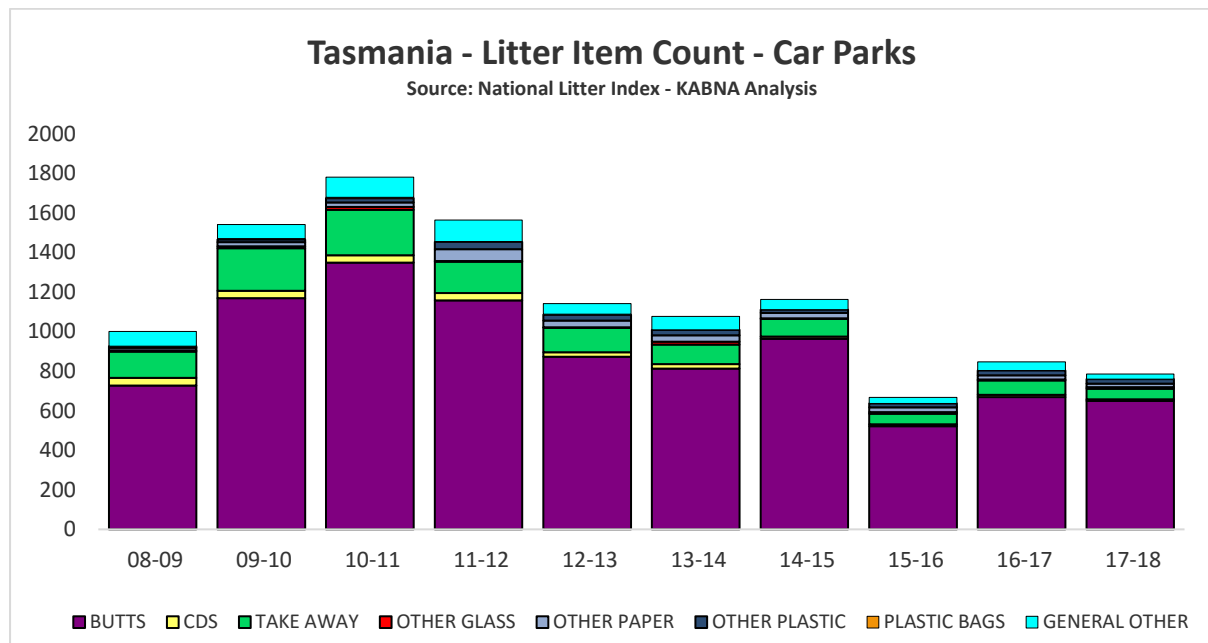
Beaches

Tasmania's beaches recorded a rise of 15.1% in the 2017/18 litter count due to increases in other plastic (+104.2%), takeaway containers and cups (+79.5%) and other general litter items (+61.0%). All other categories recorded decreases in litter including plastic bags (-66.7%), cigarette litter (-15.6%) and beverage containers (-9.1%). Over the longer term, litter on Tasmanian beaches has been steadily falling.



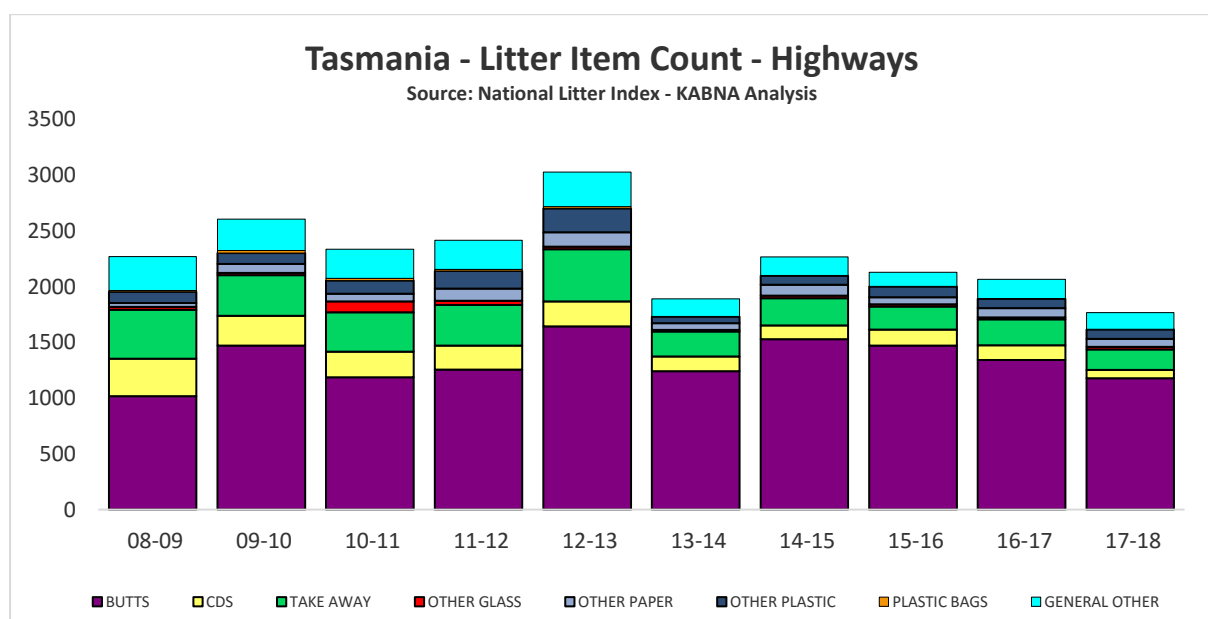
Car Parks

There was an overall decrease in litter in car parks (-7.3%) which was observed across all categories with the exception of other glass, the decrease was driven primarily by a fall in other general litter items (-40.9%) and takeaway containers and cups (-28.60%). The 2017/18 monitor is consistent with a longer-term trend of declining litter levels in Tasmanian carparks.



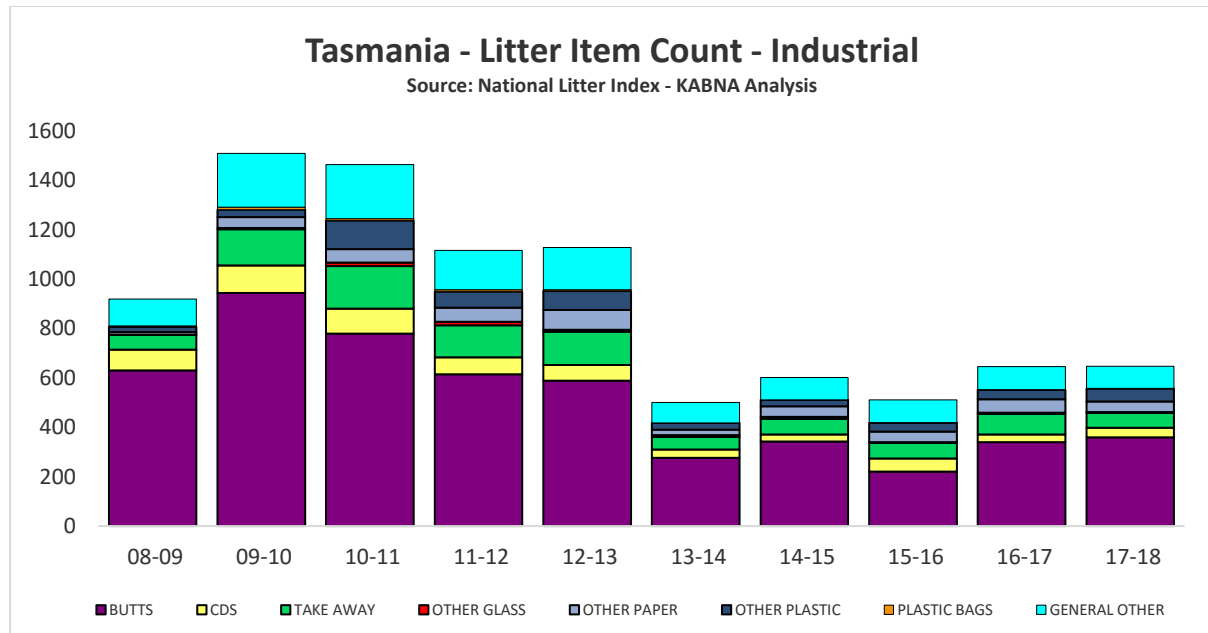
Major Roads/Highways

The 2017/18 litter monitor recorded 14.5% less litter on Tasmania's major roads and highways from the previous year. There was a decrease across all categories with the exception of other glass and other plastic, the major contributors to the decrease included beverage containers (-42.6%), takeaway containers and cups (-22.3%), other general litter (-12.7%) and cigarette litter (-12.2%). The longer-term trend identifies an overall reduction in litter at major roads and highways over time.



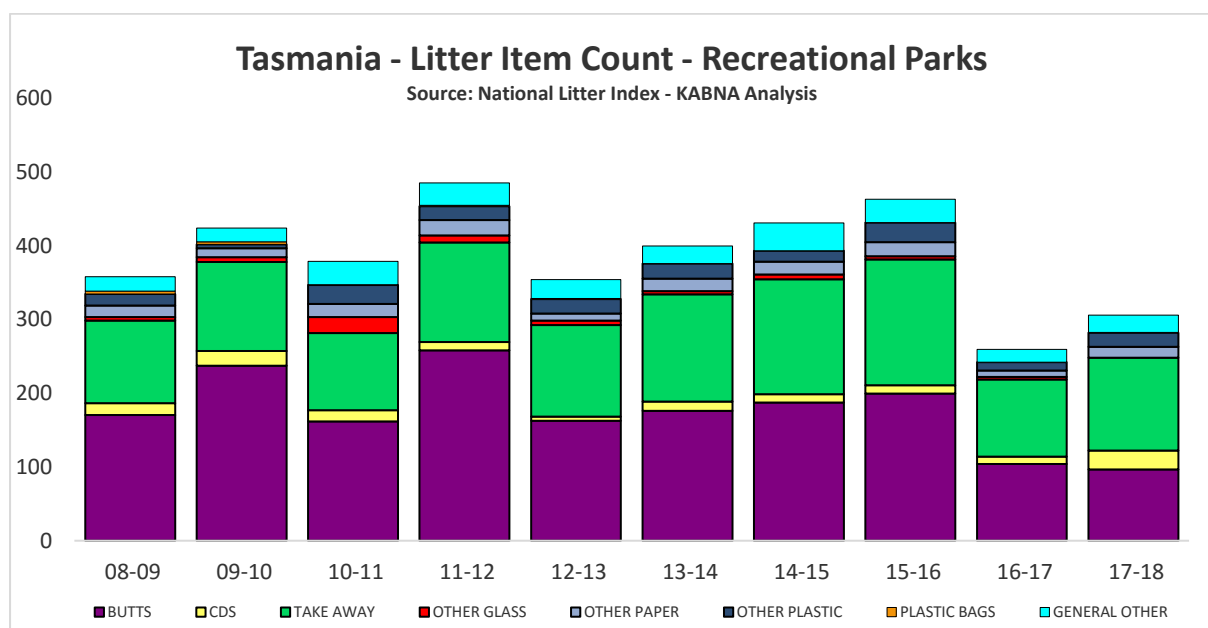
Industrial Precincts

The 2017/18 litter monitor results were almost same as the previous year with a marginal increase of 0.1% more litter items at industrial precincts. Decreases in litter were mainly contributed to other glass (-36.4%), takeaway containers and cups (28.1%), and other paper (22.2%), this decrease was offset however mainly attributed increases in other plastic (+38.7%), beverage containers (+33.9%) and cigarette litter (+5.7%).



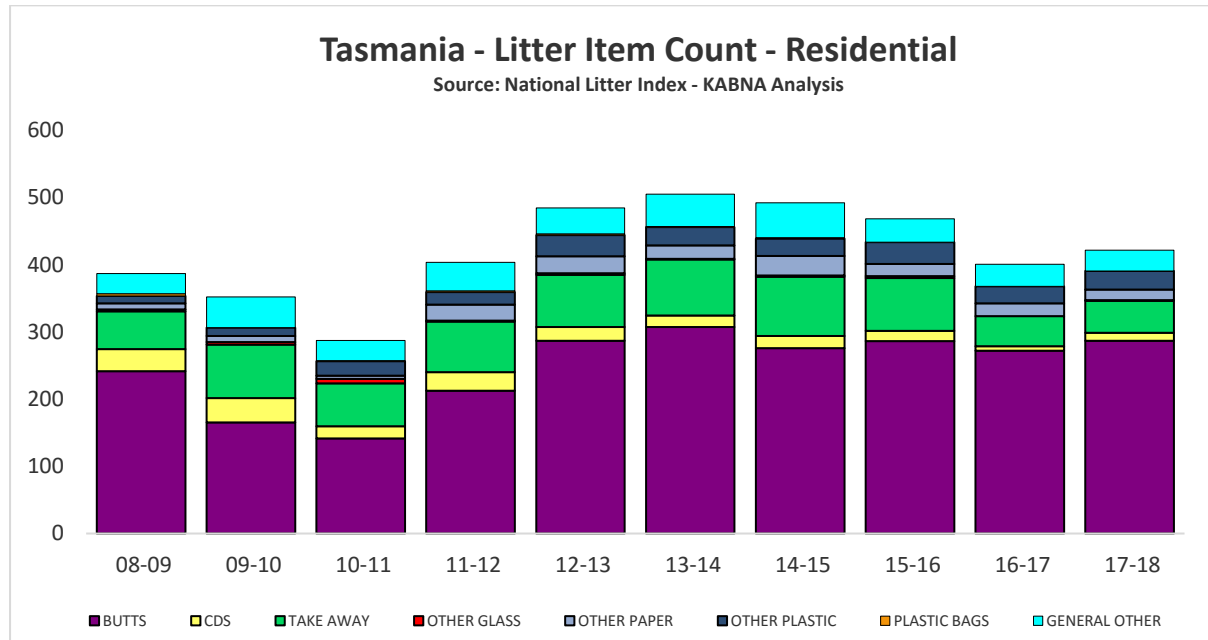
Recreational Parks

While recreational parks experienced a rise of 17.9% in litter counted in 2017/18, the litter recorded was 34% less than the litter recorded in 2015/16 and with the exception of 2016/17 below all other previous litter monitors. There was an increase in litter recorded for all categories except cigarette litter (-7.2%), the main contributors to the increase in litter included beverage containers (+160.0%), other plastic (+72.7%) and other paper (+66.7%).



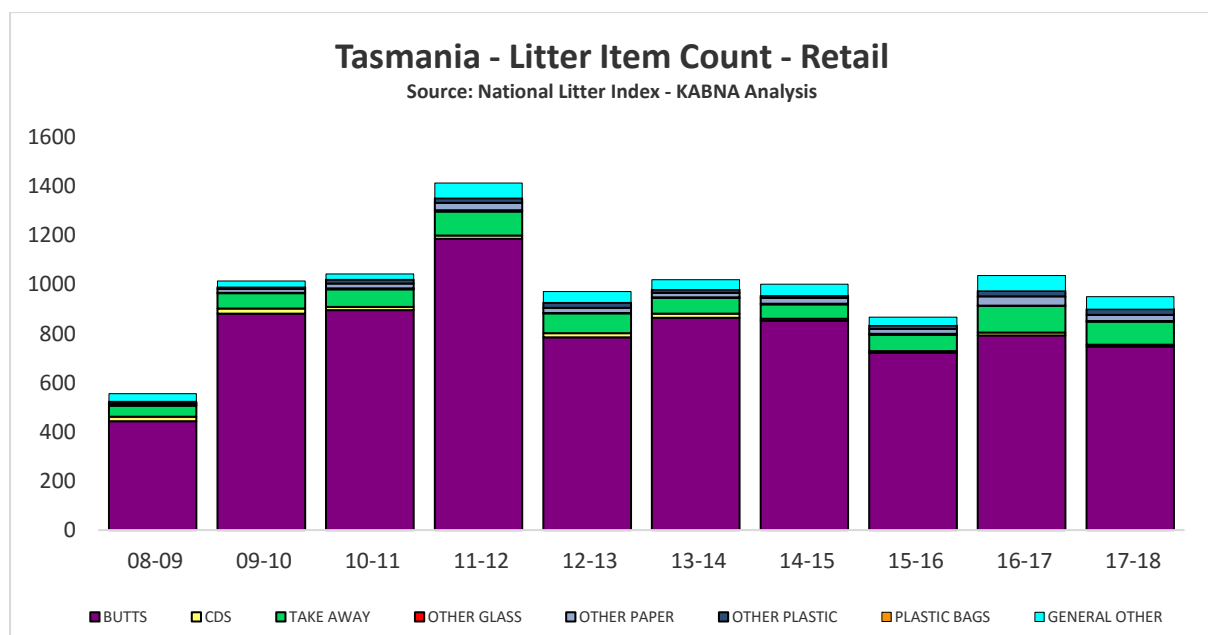
Residential Streets

There was a rise of 5.2% in the litter recorded in Tasmania's residential streets in 2017/18, this was still however 10% below the number of litter items recorded in 2015/16. The main contributors to the increase in litter included beverage containers (+76.9%) and cigarette litter (+5.5%), there was also an increase across most other categories with the exception of other paper and other general litter items.



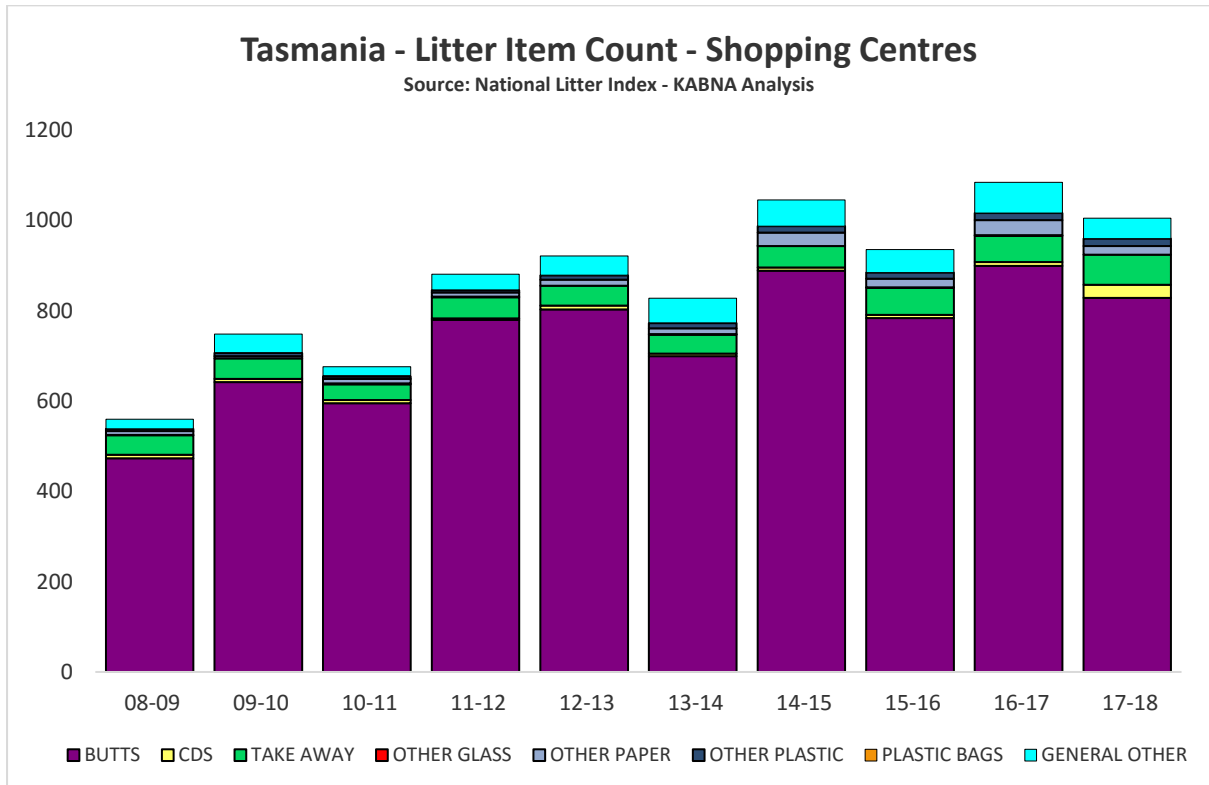
Retail Precincts

Tasmania's retail shopping strips showed an 8.3% decline in litter over the 2017/18 period, continuing a six-year trend of relative stability. The decrease was driven mostly by lower counts in other paper (-32.4%), general other litter items (-21.1%), takeaway packaging litter (-13.4%) and cigarettes (-5.8%).



Shopping Centres

The 2017/18 litter monitor recorded a decrease of 7.3% less litter items at shopping centres in Tasmania, with the main contributors to the decrease including other paper items (-41.8%), other general items (-34.5%) and cigarette litter (-7.9%). There were also increase however which were mainly in beverage containers (+286.7%) and takeaway containers and cups (+14.7%).



Normalisation for Area Surveyed

Litter items per 1,000m²

As outlined in the table below, when the area surveyed is taken into account, there were an average of 62 litter items per 1000m² in Tasmania, an decrease from 66 items per 1000m² in the 2016/17 monitor. Retail strips have the highest litter loads in Tasmania, with 184 litter items per 1000m².

TAS		Items								
		Beach	Car Park	Highway	Industrial	Recreational Park	Residential	Retail	Shopping Centre	Total
TAS 2017/18	Areas Surveyed	4050	16378	36200	4540	14000	10650	5172	8750	99740
	Items counted (excl illegal dumping)	290	785	1766	647	306	422	950	1006	6170
	Per 1,000 sq m	71	48	49	143	22	40	184	115	62
TAS 2016/17	Areas Surveyed	4050	16378	36200	4540	14000	10650	5172	8750	99740
	Items counted (excl illegal dumping)	252	847	2066	646	260	401	1037	1085	6592
	Per 1,000 sq m	62	52	57	142	19	38	200	124	66

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

There was a marginal decrease in litter volume with 2.59 litres per 1000m², down from 2.77 litres per 1000m² in 2016/17. In volumetric terms, industrial precincts have the highest volumetric litter loads (8.63 litres per 1000m²) despite volumes decreasing from 2016/17 (12.19 litres per 1000m²).

TAS		Volume - Litres								
		Beach	Car Park	Highway	Industrial	Recreational Park	Residential	Retail	Shopping Centre	Total
TAS 2017/18	Areas Surveyed	4050	16378	36200	4540	14000	10650	5172	8750	99740
	Volume (excl illegal dumping)	14.831	9.602	117.821	39.166	21.680	18.861	9.893	26.490	258.345
	Per 1,000 sq m	3.66	0.59	3.25	8.63	1.55	1.77	1.91	3.03	2.59
TAS 2016/17	Areas Surveyed	4050	16378	36200	4540	14000	10650	5172	8750	99740
	Volume (excl illegal dumping)	30.509	14.626	137.509	55.339	8.520	8.606	12.985	8.227	276.322
	Per 1,000 sq m	7.53	0.89	3.80	12.19	0.61	0.81	2.51	0.94	2.77

Detailed Litter Count Tables – Tasmania

TAS - NOV 2016 & MAY 17 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		128	666.5	1328.5	334	104	270.5	791	897	4520				
GLASS	Alcoholic sodas / spirit-based mixers, all sizes			1						1	y	1		
	Beer, all colours of glass, <750ml		0.5	12	2		1	2	1	19	y	19		
	Beer, all colours of glass, 750ml+			0.5						1	y	1		
	Cider/fruit based etc.				1					1	y	1		
	Flav.wtr/fruit j. dr/sprts dr. (non-carb), <1 litre		1	0.5	1					3	y	3		
	Flav.wtr/fruit j. dr/sprts dr. (non-carb), 1 litre+									1	y	1		
	Flav. water/soft drink (carbonated) <1 litre								0.5	1	y	1		
	Flav. water/soft drink (carbonated) 1 litre+									1	y	1		
	Fruit juice, <1 litre					0.5				1	y	1		
	Fruit juice, 1 litre+									1	y	1		
	Other glass	11	4.5	16.5	5.5	3.5		2	1	44				
	Plain water (carbonated or non-carb), <1 litre			0.5						1	y	1		
Plain water (carbonated or non-carb), 1 litre+									1	y	1			
Wine & spirit, all sizes			0.5	2					3	y	3			
Wine cooler, all sizes				1					1	y	1			
Total	11	6	33	12	4	1	4	3	73		26			
ILLEGAL DUMPING					0.5					1				
METAL	Aerosols - pressure packs	1		3		0.5				5				
	Alcoholic sodas & spirit-based mixers	0.5	1	15	4		0.5	0.5		22	y	22		
	Beer, aluminium, all types, all sizes	1	1.5	13.5	1.5		0.5	0.5	0.5	19	y	19		
	Cider/fruit based etc.	1	1		0.5					3	y	3		
	Flav. water/soft drink, (carbonated), all sizes	2.5	2.5	51	9.5	6	3.5	4.5	3	83	y	83		
	Flav. water/soft drink, (non-carb), all sizes				1					1	y	1		
	Foil take away			1.5	1					3			y	3
	Food cans (including pet food)			8	0.5	0.5	1.5	1		12				
	Industrial cans - all types			0.5						1				
	Metal bottle tops and can pull rings	1.5	12	31.5	4	14	3.5	14	11.5	92			y	92
	Metal pieces	1.5	7	15.5	7.5	1	6	1.5	2.5	43				
	Other foil	2.5	6	10.5	4.5	2	3.5	3	6	38				
Total	12	31	151	33	24	19	25	24	318		127		95	
MISCELLANEOUS	Clothing & materials	2	1	11.5	6	0.5	1.5	1	0.5	24				
	Condoms													
	Construction materials				0.5					1				
	Disposable nappies					0.5				1				
	Ice cream sticks	3.5	4	6.5	5	7.5	1	5	2	35			y	35
	Other miscellaneous	1							2	3				
	Rubber pieces (not tyres)		2.5	4.5	1.5	1.5	1.5	0.5	1.5	14				
	Syringes			1	0.5					2				
	Tyres & pieces	1.5		2.5						4				
	Total	7	9	26	14	10	4	9	4	82				35
PAPER/PAPERBOARD	Cartons, flavoured milk <1 litre		0.5	1.5	0.5	2	1	0.5		6	y	6		
	Cartons, flavoured milk 1 litre+													
	Cartons, fruit juice, <1 litre		0.5		0.5				0.5	2	y	2		
	Cartons, fruit juice, 1 litre+													
	Cartons, milk, plain (white) all sizes													
	Cigarette packets	0.5	2.5	14	5.5		1.5	2	3	29				
	Cups/take away containers	2.5	7.5	30	12.5	0.5	2.5	3.5	1	60			y	60
	Flav. water/fruit j. drink/sports drink, non-carb, <1 litre										y			
	Flav. water / fruit j. drink/ sports drink, (non-carb), 1 litre+				0.5					1	y	1		
	Ice cream wrappers	2		1.5						4			y	4
	Junk mail / free circulars		1.5	8.5	3		5	1.5	1	21				
	Newspapers & magazines	0.5		3.5	2	0.5		0.5		7				
	Other paper	24	21	82.5	54	9	19	37	33.5	280				
Packages & boxes	0.5	3	16.5	14	0.5	2	6	4	47					
Paper bags	1.5	1.5	12	5	2.5	1.5	4	1	29					
Shopper dockets & related shopping paper (eg. lists)	2	6.5	12	2.5	1.5	2.5	29	34	90					
Tickets, e.g. bus, ATM, vending machine etc.		7.5	4	2	0.5	1	4	6.5	26					
Total	34	52	185	104	17	36	88	85	599		8		64	
PLASTIC	6 ring can holders			1						1				
	Bags - heavier glossy typically branded carry bags			4.5	0.5		0.5			6				
	Bags - supermarket type light weight carry bags	1.5	1	4.5	1					8				
	Bread bag tags		3	2.5		1.5	0.5	1	0.5	9				
	Containers, domestic type			1	0.5					2				
	Containers, industrial e.g. oil	1			0.5					2				
	Drink pouches										y			
	Flav. milk, <1 litre		1	8	3			1.5	1.5	15	y	15		
	Flav. milk, 1 litre+										y			
	Flav.wtr/fruit j. dr. sprts dr etc (non-carb) <1 litre				1	0.5			0.5	2	y	2		
	Flav.wtr/fruit j. dr. sprts dr etc (non-carb) 1 litre+				1	0.5				2	y	2		
	Flav. water/soft drink (carbonated) <1 litre		0.5	11.5	3	1		0.5	0.5	17	y	17		
	Flav. water/soft drink (carbonated) 1 litre+			7	1.5			0.5	0.5	10	y	10		
	Fruit juice <1 litre			1.5		0.5				2	y	2		
	Fruit juice, 1 litre+													
	Lollipop sticks	1	4	6.5	2	14	4	11.5	2.5	46			y	46
	Other plastic	24	24	82.5	37.5	11	25.5	22.5	15.5	243				
	Packing tape & straps	1	0.5	8.5	9	0.5	0.5	2.5	0.5	23				
	Plain water (carbonated or non-carb) <1 litre	0.5	1	9.5	2.5			0.5	1	15	y	15		
	Plain water (carbonated or non-carb) 1 litre+				0.5					1	y	1		
	Plastic bottle tops	3	4	25.5	8	15.5	6	13.5	6	82			y	82
	Sacks - sheeting - other bags	4	2	25.5	25	3.5	5	4.5	10	80				
Snack bags & confectionary wrappers	15.5	24	73.5	36.5	28	16	46.5	26	266			y	266	
Spoons/ cutlery	0.5	6	4.5	0.5	7	3.5	1.5	1.5	25			y	25	
Straws	1	4	26.5	4	14.5	3	8.5	5.5	67			y	67	
Styrene foam boxes, sheets, etc	1.5		6	5.5			0.5		14					
Take away & cups	6	8	29	8.5	3.5	5.5	4	2	67			y	67	
White milk, all sizes				1					1					
Wine cask bladders				1					1					
Total	61	83	343	151	101	70	120	74	1001		63		552	
GRAND TOTAL	252	847	2066	647	260	401	1037	1085	6592		223		744	

Detailed Litter Volume Tables – Tasmania

TAS - NOV 2016 & MAY 17 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
CIGARETTE BUTTS		0.014720	0.076648	0.152778	0.038410	0.011960	0.031108	0.090965	0.103155	0.519743				
GLASS	Alcoholic sodas / spirit-based mixers, all sizes			0.374300						0.374300	y	0.374		
	Beer, all colours of glass, <750ml		0.231462	5.555090	0.925848		0.462924	0.925848	0.462924	8.564097	y	8.564		
	Beer, all colours of glass, 750ml+			0.453646						0.453646	y	0.454		
	Cider/fruit based etc.				0.457853					0.457853	y	0.458		
	Flav wtr/fruit j, dr/sprts dr, (non-carb), <1 litre		0.554287	0.277143	0.954287					1.385717	y	1.386		
	Flav wtr/fruit j, dr/sprts dr, (non-carb), 1 litre+										y			
	Flav. water/soft drink (carbonated) <1 litre								0.197920	0.197920	y	0.198		
	Flav. water/soft drink (carbonated) 1 litre+										y			
	Fruit juice, < 1 litre					0.212058				0.212058	y	0.212		
	Fruit juice, 1 litre+										y			
	Other glass	0.216040	0.088380	0.324060	0.109020	0.068740		0.039280	0.019640	0.864160				
Plain water (carbonated or non-carb), <1 litre			0.290534						0.290534	y	0.291			
Plain water (carbonated or non-carb), 1 litre+										y				
Wine & spirit, all sizes			0.445700	1.782000								2.228500		
Wine cooler, all sizes			0.374300									0.374300		
Total	0.216040	0.874129	8.094774	3.828908	0.280798	0.462924	0.965128	0.680484	15.403085		11.936			
ILLEGAL DUMPING					12.000000				12.000000					
METAL	Aerosols - pressure packs	0.684240		2.052720		0.342120				3.079080				
	Alcoholic sodas & spirit-based mixers	0.215700	0.431400	6.471000	1.725600		0.215700	0.215700	0.215700	9.275100	y	9.275		
	Beer, aluminium, all types, all sizes	0.431400	0.647100	5.823900	0.647100		0.215700	0.215700	0.215700	8.196600	y	8.197		
	Cider/fruit based etc.	0.431400	0.431400		0.215700					1.078500	y	1.079		
	Flav. water/soft drink, (carbonated), all sizes	1.063838	1.063838	21.702299	4.042585	2.553212	1.489373	1.914909	1.276606	35.106660	y	35.107		
	Flav. water/soft drink, (non-carb), all sizes			0.381600						0.381600	y	0.382		
	Foil take away			0.693570	0.462380					1.155950			y	1.156
	Food cans (including pet food)			3.710400	0.231900	0.231900	0.695700	0.463800		5.333700			y	
	Industrial cans - all types			2.285020						2.285020				
	Metal bottle tops and can pull rings	0.006000	0.048000	0.126000	0.018000	0.056000	0.014000	0.056000	0.046000	0.388000				0.368
	Metal pieces	0.015900	0.074200	0.164300	0.079500	0.010600	0.063600	0.015900	0.026500	0.450500				
Other foil	0.003900	0.009360	0.016380	0.007020	0.003120	0.005460	0.004680	0.009360	0.059280					
Total	2.652378	2.705298	43.427189	7.427785	3.196952	2.886689	1.574166	6.679990			54.038		1.524	
MISCELLANEOUS	Clothing & materials	0.030600	0.015300	0.175950	0.091800	0.007650	0.022950	0.015300	0.007650	0.387200				
	Condoms				0.180000					0.180000				
	Construction materials									0.562500				
	Disposable nappies					0.562500				0.562500				
	Ice cream sticks	0.003220	0.003680	0.005980	0.004600	0.006900	0.000920	0.004600	0.001840	0.031740			y	0.032
	Other miscellaneous	0.033750	0.033750	0.006750	0.013500	0.013500	0.033750	0.020250		0.152520				
	Rubber pieces (not tyres)		0.000165	0.000494	0.000247	0.000082	0.000082			0.001069				
	Syringes													
	Tyres & pieces	0.337500		0.562500						0.900000				
	Total	0.371320	0.052895	0.778674	0.283397	0.590632	0.037452	0.053650	0.029740	2.197759				0.032
	PAPER/PAPERBOARD	Cartons, flavoured milk < 1 litre		0.336240	1.008720	0.336240	1.344960	0.672480	0.336240		4.034880	y	4.035	
Cartons, flavoured milk 1 litre+														
Cartons, fruit juice, < 1 litre			0.312375		0.312375				0.312375	0.937125	y	0.937		
Cartons, fruit juice, 1 litre+														
Cartons, milk, plain (white), all sizes														
Cigarette packets		0.108935	0.544675	3.050180	1.198285		0.326805	0.435740	0.653610	6.318230				
Cups/take away containers		1.822375	5.467125	21.866500	9.111875	0.364475	1.822375	2.551325	0.728950	43.737000			y	43.737
Flav. water/fruit j, drnk/sports drink, non-carb, <1 litre					1.035000					1.035000	y	1.035		
Flav. water / fruit j, drnk / sports drink, (non-carb), 1 litre+					0.003600					0.003600	y			0.008
Ice cream wrappers		0.004800											y	
Junk mail / free circulars			0.261000	1.479000	0.522000		0.870000	0.281000	0.174000	3.567000				
Newspapers & magazines	0.590000		4.130000	2.360000	0.590000		0.590000		8.260000					
Other paper	0.081120	0.070980	0.278850	0.182520	0.030420	0.064220	0.125060	0.113230	0.946400					
Packages & boxes	0.040000	0.240000	1.320000	1.120000	0.040000	0.160000	0.480000	0.320000	3.720000					
Paper bags	0.015870	0.015870	0.126960	0.052900	0.028450	0.015870	0.042320	0.010580	0.306820					
Shopper dockets & related shopping paper (eg. lists)	0.004060	0.013195	0.024360	0.005075	0.003045	0.005075	0.058870	0.069020	0.182700					
Tickets, e.g. bus, ATM, vending machine etc.	0.006600	0.003520	0.001760	0.006440	0.000880	0.003520	0.005720		0.022440					
Total	2.667160	7.268060	33.290090	16.241630	2.399790	3.937705	4.884075	2.387485	73.075995		6.007		43.745	
PLASTIC	6 ring can holders			0.001500						0.001500				
	Bags - heavier glossy typically branded carry bags			0.394200	0.043800		0.043800			0.481800				
	Bags - supermarket type light weight carry bags	0.050910	0.033840	0.152730	0.033940					0.271520				
	Bread bag tags		0.000690	0.000575		0.000345	0.000115	0.000230	0.000115	0.002070				
	Containers, domestic type			8.324000						12.468000				
	Containers, industrial e.g. oil	22.458000			11.229000					33.687000				
	Drink pouches										y			
	Flav. milk, <1 litre		0.532700	4.281600	1.598100			0.799050	0.799050	7.990500	y	7.991		
	Flav. milk, 1 litre+										y			
	Flav.wtr/fruit j, dr, sprts dr etc (non-carb) <1 litre			0.737620	0.368810		0.368810			1.475240	y	1.475		
	Flav. wtr/fruit j, dr, sprts dr etc (non-carb) 1 litre+			1.201103	0.600551					1.801654	y	1.802		
	Flav. water/soft drink (carbonated) <1 litre		0.311055	7.154265	1.866330	0.622110		0.311055	0.311055	10.575870	y	10.576		
	Flav. water/soft drink (carbonated) 1 litre+			11.578000	2.481000			0.827000	0.827000	15.713000	y	15.713		
	Fruit juice <1 litre			0.800070		0.200023				0.800093	y	0.800		
	Fruit juice, 1 litre+													
	Lollipop sticks	0.000530	0.002120	0.003445	0.001060	0.007420	0.002120	0.006095	0.001325	0.024415			y	0.024
	Other plastic	0.030000	0.030000	0.103125	0.046875	0.013750	0.031875	0.028125	0.019375	0.303125				
	Packing tape & straps	0.000270	0.000135	0.002295	0.002430	0.000135	0.000135	0.000675	0.000135	0.006210				
	Plain water (carbonated or non-carb) <1 litre	0.393950	0.787900	7.485050	1.989750			0.393950	0.787900	11.818500	y	11.819		
	Plain water (carbonated or non-carb) 1 litre+				0.770785					0.770785	y	0.771		
	Plastic bottle tops	0.024015	0.032020	0.204128	0.064040	0.124078	0.048030	0.108068	0.048030	0.652408			y	0.652
	Sacks - sheeting - other bags	0.001260	0.000630	0.008033	0.007875	0.001103	0.001575	0.001418	0.003150	0.025043				
	Snack bags & confectionary wrappers	0.121365	0.187920	0.575505	0.285795	0.219240	0.125280	0.384095	0.203580	2.082780			y	2.083
Spoons/ cutlery	0.004800	0.057600	0.043200	0.004800	0.067200	0.033600	0.014400	0.014400	0.240000			y	0.240	
Straws	0.004125	0.016500	0.109313	0.018500	0.059813	0.012375	0.035063	0.022688	0.276375			y	0.276	
Styrene foam boxes, sheets, etc	0.056250		0.225000	0.206250			0.018750		0.506250					
Take away & cups	1.242120	1.656160	6.003580	1.759670	0.724570	1.138610	0.828080	0.414040	13.766830			y	13.767	
White milk, all sizes			2.136690						2.136690					
Wine cask bladders			0.460000						0.460000					
Total	24.387695	3.649370	51.76502											