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Litter Strategy Monitoring Wave 80 – November 2020 Report

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Project No: 11760

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Section 1

Introduction

- 1.1 This document has been prepared by McGregor Tan Research to report on Wave 80 of the quarterly KESAB Litter Monitor. Surveys for the current wave were conducted in South Australia during November 2020.

Background

- 1.2 Regular monitoring of the litter stream is necessary in order to maintain a clear picture of its components, such as the various material types that contribute to the litter stream as well as the distribution of litter across different area types. Keep South Australia Beautiful (KESAB) had been monitoring the State's litter stream for many years, but the level of detail required during the South Australian Government's moratorium on changes to Container Deposit Legislation was considerably greater than previously recorded.
- 1.3 An expanded monitoring program commenced in February 1998, and McGregor Tan Research was commissioned at that time to undertake the actual count and to report regularly on the outcomes. This expanded program has been continued ever since and is planned to continue in future as well.
- 1.4 The count was completed quarterly, with the exception of August 2002, carried out in February, May, August and November of each year until 2015. Since then, the data has been counted twice a year, in May and November.
- 1.5 During each Wave of the survey, litter counts are undertaken at 151 sites across South Australia. In conjunction with the national litter count, a review of all South Australian sites showed that 11 of the sites surveyed were disproportionately represented in the data. These original sites were found to be unusual in nature, and were replaced with 11 revised sites.
- 1.6 The data collection form utilised for the count was jointly developed by McGregor Tan Research and KESAB. A copy of this form is provided in Appendix 2.
- 1.7 In January 2003, Container Deposit Legislation (CDL) was extended to cover most beverages under 1 litre, such as juice cartons, fruit boxes, flavoured milk cartons, etc. As a result, a new method of analysing the data had to be adopted so that the changes to the CDL, and the effect on the total litter stream could be evaluated.

- 1.8 Prior to the August 2004 Litter Count, the data collection form was re-evaluated and re-designed to take into account the changes to the CDL and also to incorporate new categories for litter items that were previously coded as 'other' or in an inappropriate category. The changes that were made to the data collection form include:
- Plastic bags were separated into 3 types of litter:
 - Supermarket type lightweight shopping bags
 - Heavier glossy, typically branded carry bags
 - Sacks, sheeting and other bags
 - Bottle and can tops were moved and separated from the Miscellaneous Category into both 'plastic bottle top' and 'metal bottle and can tops'.
 - The following four litter types were also added to the Plastic Category:
 - Bread bag tags
 - Lollipop sticks
 - Spoons/ cutlery
 - Drink pouches
 - The Metal Cans category name was changed to Metal.
 - Foil takeaway was moved from Miscellaneous to Metal.
 - Cigarette butts were separated from the Miscellaneous Category.
 - Two extra items were added to the Paper/paperboard Category:
 - Paper bags
 - Shopper docket & related shopping paper
- 1.9 In previous waves, the data collection form separated each litter type into CDL and non-CDL categories. However, extended Container Deposit Legislation (CDL) has now meant that the litter categories alone (e.g., Flavoured milk, < 1 litre) can be used to establish whether or not beverage containers are covered under CDL or not.
- 1.10 In order to determine the effectiveness of the current CDL (as of January 2003,) and for comparative purposes, it was necessary to re-calculate the number of current CDL items from the waves prior to the extension. References to CDL items in Waves prior to Wave 17 (waves 1-16) therefore denote beverage containers that are currently covered by CDL – not the items that were covered by the legislation prior to this time.
- 1.11 During the Wave 29 Monitor estimates of the volumes for each litter item category were defined. The assignments of volume estimates to each litter item category were based on actual measurements of containers/ items, the condition that these items were most commonly found (which was based on the audits of at least three Waves), and the most common or average size of the items that were found within each

category.

- 1.12 The auditors were an important part of the volume formulation process, and they were able to record the number, size and type of different items within each category over a number of waves. Volumes ascribed to each item represented the average size for that category across all site types.
- 1.13 The final volume attributed to each litter item category furthermore took into account the fact that some items were often found crushed and weathered. For example, some drink cans and cartons are often crushed and/ or weathered when they are identified by the auditors and counted. The same volume measurements have been used for all subsequent Waves.
- 1.14 Two noteworthy events that have taken place since the beginning of this longitudinal study include:
- The deposit on drink containers was increased from 5 cents to 10 cents in September 2008.
 - The ban on thin plastic shopping bags came into effect in May 2009.
- 1.15 This document reports on Wave 80 of the longitudinal study. The litter count was conducted during November 2020. Section 2 of this report outlines the litter characteristics of the 151 sites, which include 11 revised sites (replacing 11 of the original 151). Appendix 1 contains charts tracking results back across all prior Monitors, and includes weighted results to facilitate meaningful comparison of results established at the 151 original sites with results derived from the 151 revised sites.

Section 2

Wave 80

Executive Summary

The following Executive Summary covers the findings of the November 2020 KESAB Litter Monitor (Wave 80). Where possible, results have been tracked against those derived from any previous Waves which incorporated revised sites. All 151 sites were counted during the November 2020 count.

Items Counted

A total of 6,958 litter items were counted across the 151 South Australian sites during Wave 80. This figure is higher than the previous monitor in May 2020 (6,212) but below the monitor conducted in November 2019 (8,205) at the same time last year.

Cigarette butts remained the main contributor (25%) to the litter count with 1,741 butts counted in Wave 80, down from Wave 79 (1,946) in May 2020 and also down from Wave 78 (2,209) in November 2019 conducted at the same time in the previous year.

The overall increase in number of items counted was most strongly demonstrated by several litter types in Wave 80, including:

- PAPER/PAPERBOARD - Other paper (including tissues) – 1,504 items, up from 1,176 items in Wave 79 (28% increase)
- PLASTIC - Other plastic - 1003 items, up from 767 items in Wave 79 (31% increase)
- GLASS - Other glass – 245 items, up from 179 items in Wave 79 (37% increase)
- PLASTIC - Snack bags & confectionery wrappers - 180 items, up from 121 items in Wave 79 (49% increase)
- METAL - Other foil - 179 items, up from 122 items in Wave 79 (47% increase)
- MISCELLANEOUS - Construction materials - 48 items, up from items in Wave 79 (9 433% increase)
- MISCELLANEOUS - Other miscellaneous - 71 items, up from 34 items in Wave 79 (109% increase)
- PAPER/PAPERBOARD - Packages & boxes - 84 items, up from 54 items in Wave 79 (56% increase)
- MISCELLANEOUS - Clothing & materials - 117 items, up from 89 items in Wave 79 (31% increase)
- METAL - Flavoured water/soft drink, (carbonated), all sizes - 42 items, up from 15 items in Wave 79 (180% increase)
- PLASTIC – Straws - 178 items, up from 152 items in Wave 79 (17% increase)
- METAL - Metal bottle tops and can pull rings – 228 items, up from 203 items in Wave 79 (12% increase)
- PLASTIC - Lollipop sticks - 60 items, up from 40 items in Wave 79 (50% increase)

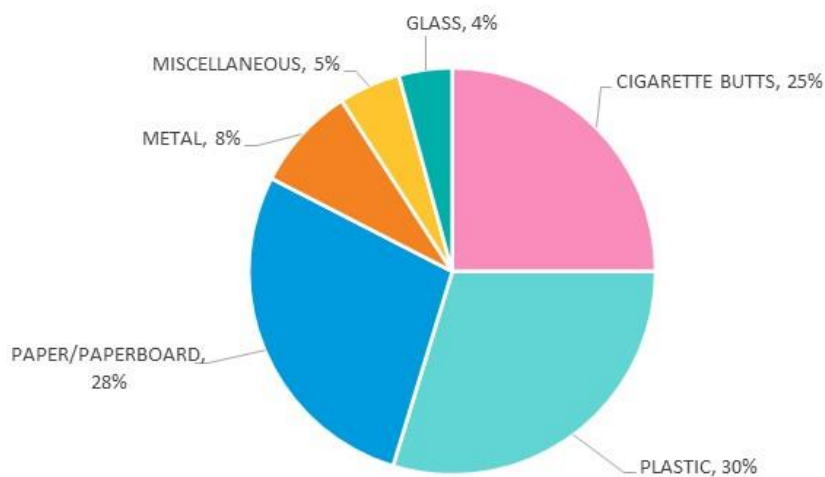
Litter types that experienced larger decreases in the number of items in Wave 80 included:

- CIGARETTE BUTTS - Cigarette butts – 1,741 items, down from 1,946 items in Wave 79 (11% decrease)
- PAPER/PAPERBOARD - Shopper docket & related shopping paper (e.g. Lists) - 56 items, down from 91 items in Wave 79 (38% decrease)
- MISCELLANEOUS - Rubber pieces (not tyres)- 44 items, down from 75 items in Wave 79 (41% decrease)
- PAPER/PAPERBOARD - Coffee cups - 96 items, down from 119 items in Wave 79 (19% decrease)
- PAPER/PAPERBOARD - Cups/take away containers - 74 items, down from 96 items in Wave 79 (23% decrease)
- PLASTIC - Plastic bottle tops - 171 items, down from 192 items in Wave 79 (11% decrease)

Cigarette butts (25%, down from 31% in Wave 79) accounted for the largest proportion of all litter items counted in Wave 80. Other material types represented the following proportions of the litter items counted:

- Plastic items (30%, up from 27% in Wave 79)
- Paper/ paperboard (28%, up from 27% in Wave 79)
- Metal items (8%, up from 7% in Wave 79)
- Glass items (4%, up from 3% in Wave 79)
- Miscellaneous items (5%, up from 4% in Wave 79)

Items as Proportions of Total by Material Type



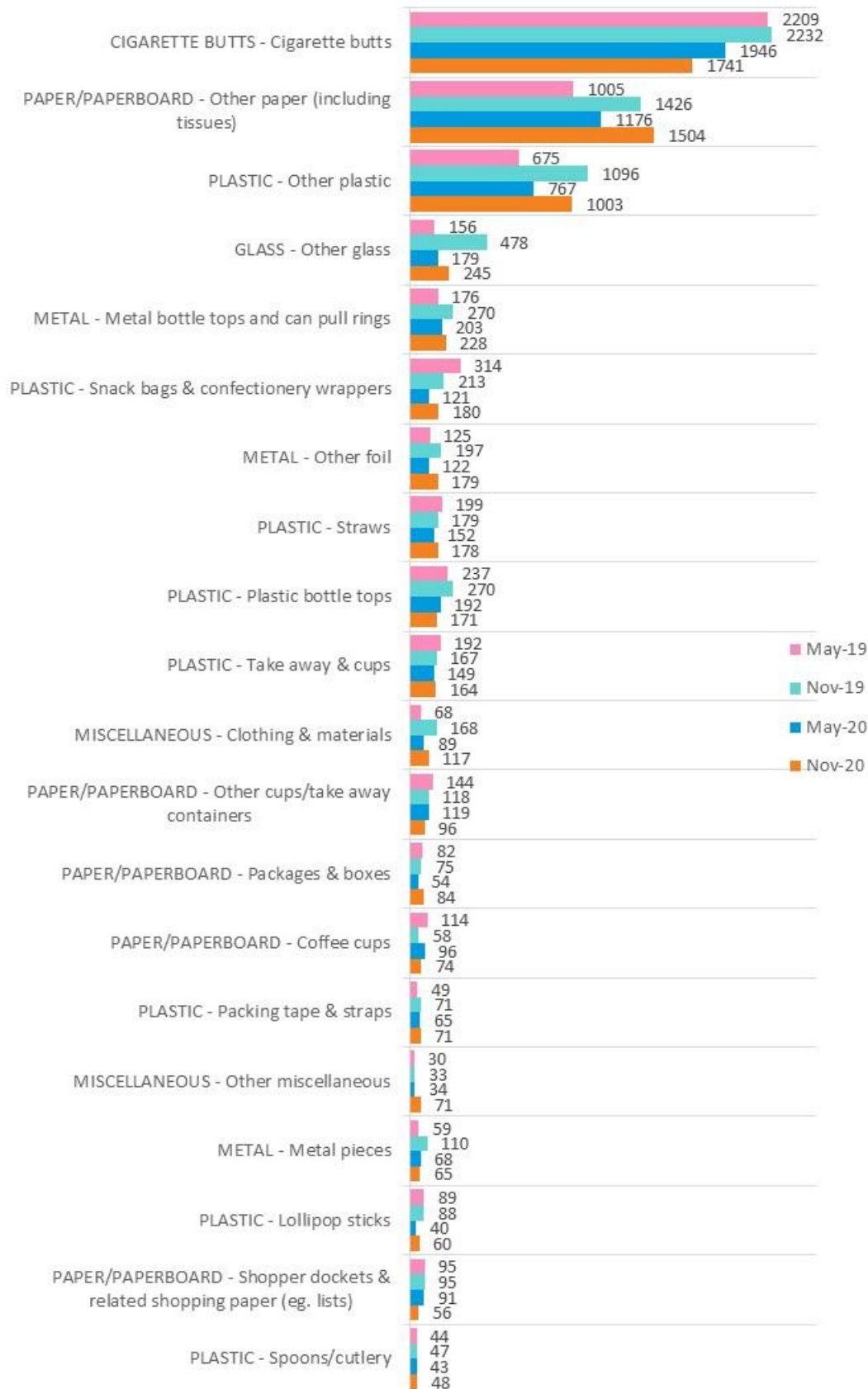
The top 20 ranking of litter type by number of items in Wave 80 was similar to the results for Wave 79, with new items entering the Top 20:

- MISCELLANEOUS – Other miscellaneous
- PLASTIC – Lollipop sticks
- PLASTIC – Spoons / Cutlery

With new entrants, there are always those items that exit from the top 20 item list, in Wave 80 these items were:

- MISCELLANEOUS – Rubber pieces (not tyres)
- PAPER/PAPERBOARD – Cigarette packs
- PLASTIC – Styrene foam boxes, sheets etc.

Top 20 categories - highest counts



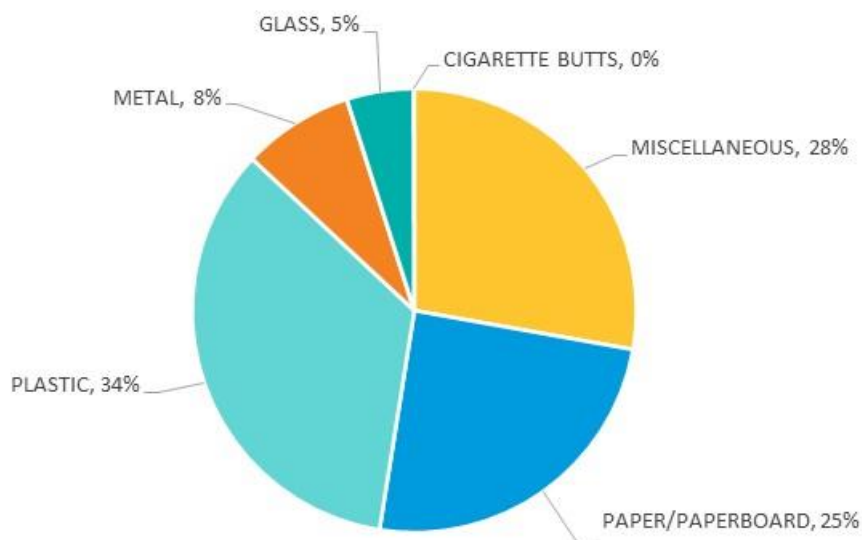
Litter Volume

The total volume of litter recorded in November 2020 amounted to 0.611 cubic metres, lower than the estimated litter volume of May 2020 (0.637m³) and lower than of November 2019 (0.744m³) conducted at the same time in the previous year.

The largest proportion of litter volume for Wave 80 was contributed by Plastic items (34%, up from 26% in Wave 79). Other material types represented the following proportions of the total volume of litter items counted:

- miscellaneous items (28%, down from 40% in Wave 79).
- Paper Items (25%, down from 27% in Wave 79)
- Metal (8%, up from 5% in Wave 79)
- Glass (3%, up from 3% in Wave 79)
- Cigarette butts (<1%, unchanged from Wave 79)

Litter Volume as a Proportion of Total Volume



MISCELLANEOUS - Illegal dumping accounted for the highest volume of litter in Wave 80, with an estimated volume of 0.144m³ (down from 0.240m³ in Wave 79). Other items associated with large estimated litter volumes in Wave 80 included:

- PLASTIC - Containers, domestic type - 0.083m³ (up from 0.025m³ in Wave 79)
- PLASTIC - Cups/take away containers - 0.034m³ (up from 0.031m³ in Wave 79)
- PLASTIC - Containers, industrial e.g. oil - 0.022 m³ (unchanged from 0.022m³ in Wave 79)

- METAL – Flavoured water / soft drink (carbonated) all sizes - 0.018m³ (up from 0.006m³ in Wave 79)
- MISCELLANEOUS – Construction materials - 0.017m³ (up from 0.003m³ in Wave 79)
- PLASTIC – Plain water (carbonated or non-carbonated < 1 litre - 0.014m³ (up from 0.005m³ in Wave 79)
- PLASTIC - White milk, all sizes - 0.013m³ (down from 0.049m³ in Wave 79)
- GLASS – Beer, all colours of glass, <750ml - 0.011m³ (down from 0.006m³ in Wave 79)
- METAL - Foil take away - 0.010m³ (up from 0.007m³ in Wave 79)
- PAPER/PAPERBOARD - Cigarette packets - 0.009m³ (down from 0.012m³ in Wave 79)
- PAPER/PAPERBOARD - Coffee cups - 0.009m³ (down from 0.047m³ in Wave 79)

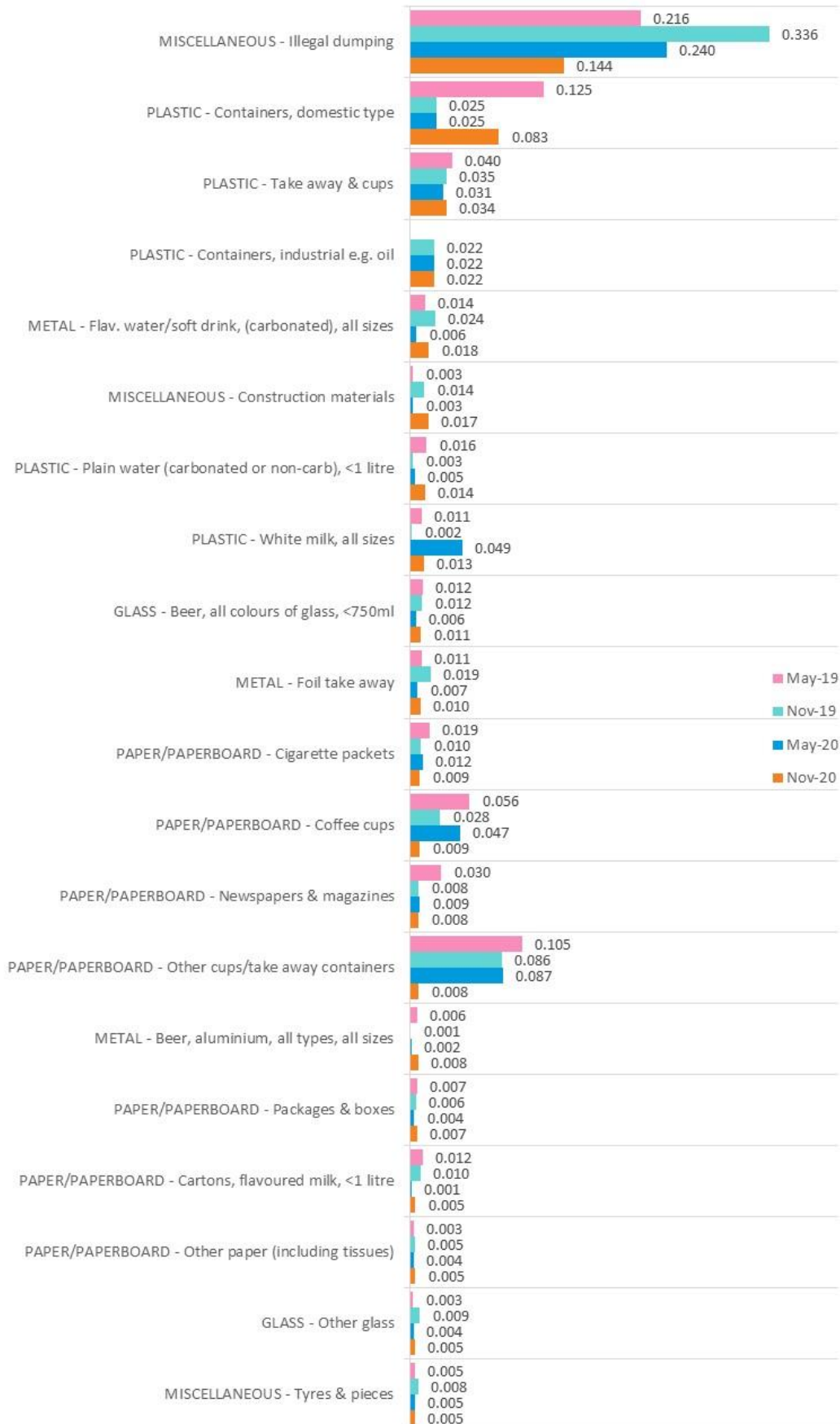
The top 20 ranking of litter items by volume in Wave 80 was similar to the results for Wave 79, with 4 new items entering the Top 20. These items were:

- MISCELLANEOUS – Construction materials
- METAL – Beer, aluminium, all types, all sizes
- PAPER/PAPERBOARD – Cartons, flavoured milk < 1 litre
- Glass – Other glass

With new entrants, there are always those items that exit from the top 20 volume list, in Wave 80 the following items were removed:

- PLASTIC – Flavoured milk 1 litre +
- GLASS – Beer, all colours of glass, 750ml+
- PLASTIC – Flavoured water/fruit juice drink / sports drink (non-carbonated), 1 litre +
- METAL – Industrial cans - all types

Top 20 categories - highest counts

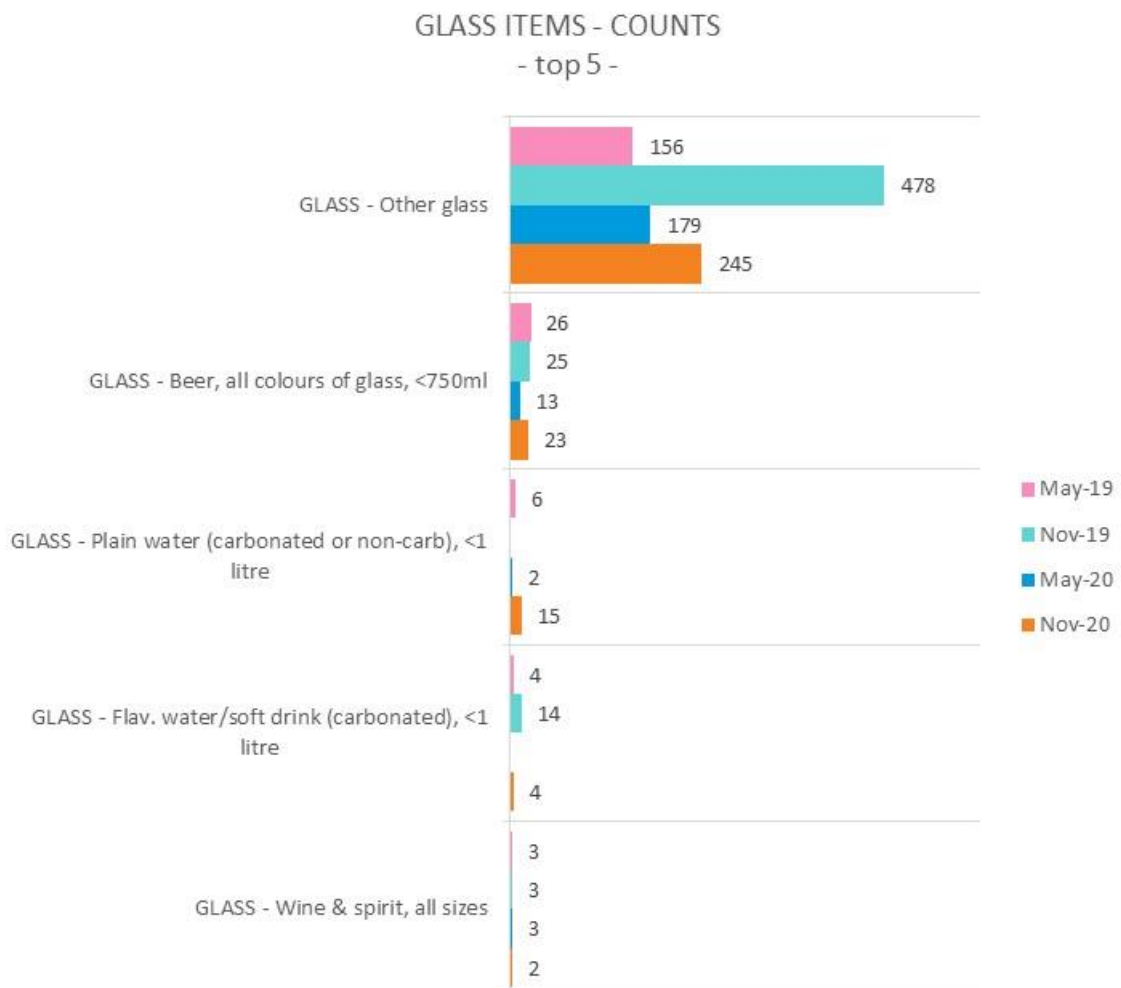


3.1 Glass

Items

A total of 295 glass litter items (up from 205 items in Wave 79) were counted during Wave 80. The most frequently recorded glass items included:

- Other glass (245 items, up from 179 items in Wave 79)
- Beer, all colours of glass <750ml (23 items, up from 13 items in Wave 79)
- Plain water (carbonated or non-carbonated), < 1 litre (15 items, up from 2 items in Wave 79)
- Flavoured water / soft drink (carbonated), < 1 litre (14 items, up from 4 items in Wave 79)
- Wine & spirits, all sizes (2 items, down from 3 items in Wave 79)

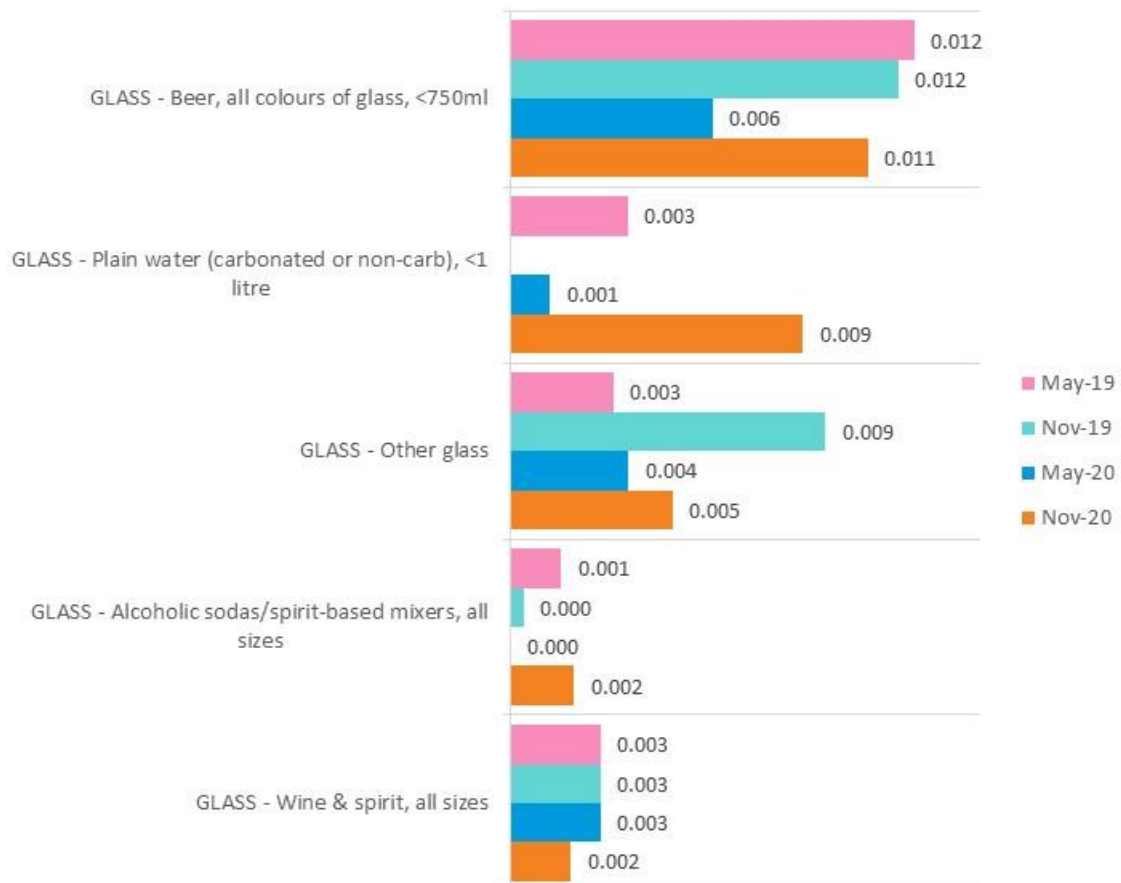


Volume

Glass litter items accounted for 0.030m³ (up from 0.020m³ in Wave 79) in estimated litter volume during Wave 80. Glass items which contributed the largest volumes to the total included:

- Beer, all colours of glass <750ml (0.011m³, up from 0.006m³ in Wave 79)
- Plain water (carbonated or non-carbonated), < 1 litre (0.009m³, up from 0.001m³ in Wave 79)
- Other glass (0.005m³, up from 0.004m³ in Wave 79)
- Alcoholic sodas/ spirit-based mixers, all sizes (0.002m³, up from nil in Wave 79)
- Wine & spirits, all sizes (0.002m³, down from 0.003m³ in Wave 79)

GLASS ITEMS - VOLUMES -
- top 5 -

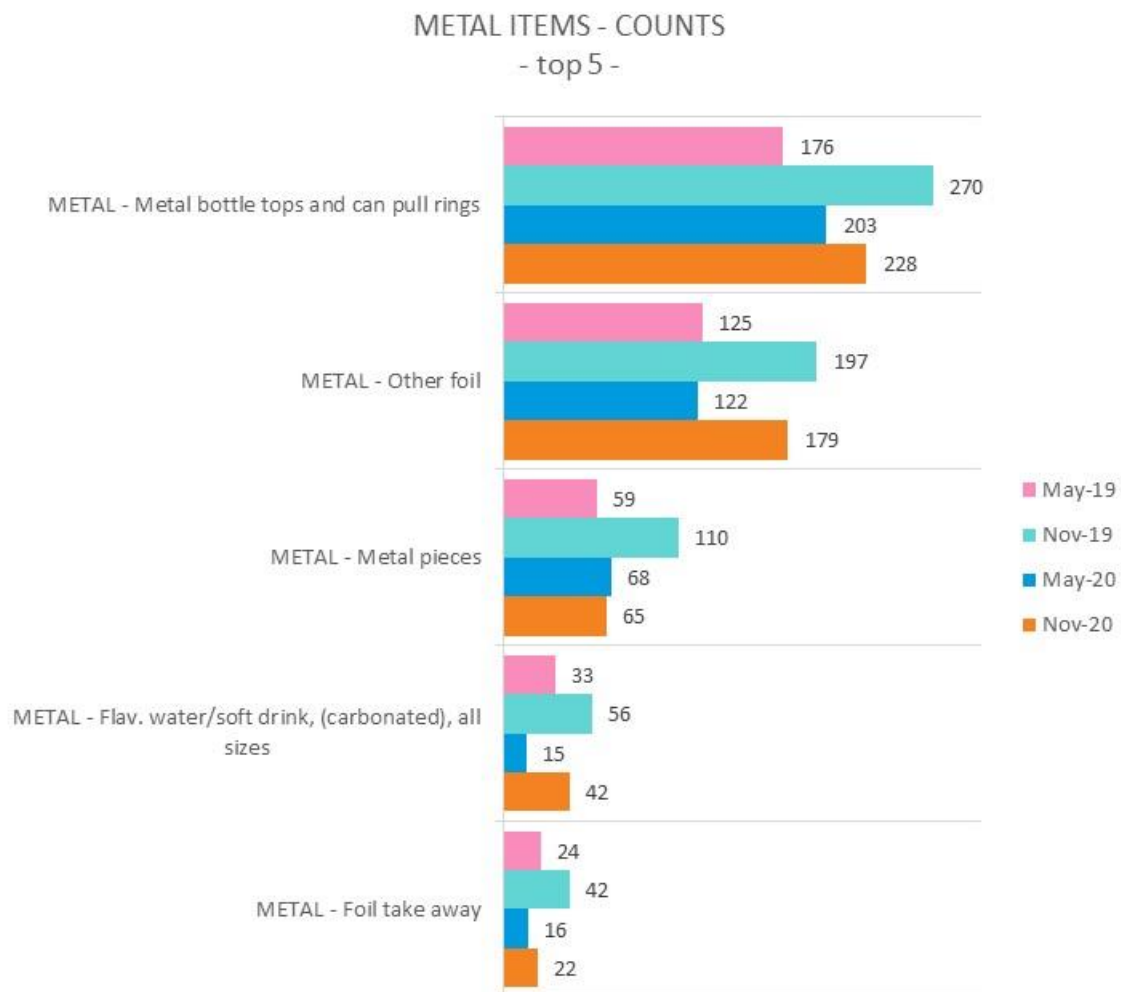


3.2 Metal

Items

A total of 577 metal litter items (up from 446 items in Wave 79) were counted during Wave 80. The most frequently counted metal litter items included:

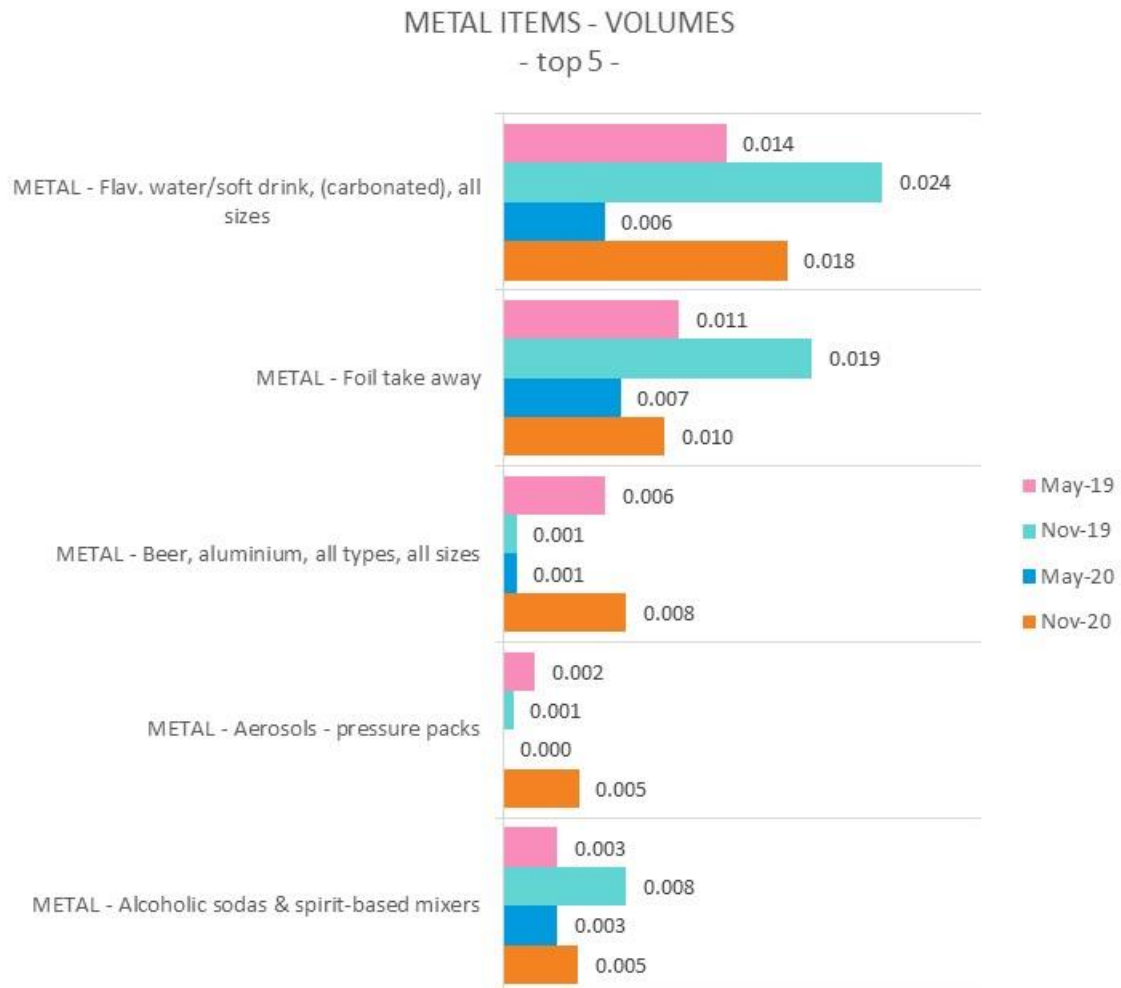
- Metal bottle tops and can pull rings (228 items, up from 203 items in Wave 79)
- Other foil (179 items, up from 122 items in Wave 79)
- Metal pieces (65 items, down from 68 items in Wave 79)
- Flavoured water/soft drink (carbonated), all sizes (42 items, up from 15 items in Wave 79)
- Foil takeaway (22 items, up from 16 items in Wave 79)



Volume

Metal litter items accounted for a total estimated litter volume of 0.050m³ (up from 0.030m³ in Wave 79). The metal items associated with the largest estimated volumes of litter during Wave 80 included:

- Flavoured water/soft drink (carbonated), all sizes (0.006m³, down from 0.006m³ in Wave 79)
- Foil takeaway (0.007m³, down from 0.007m³ in Wave 79)
- Beer, aluminium cans, all types, all sizes (0.008m³, up from 0.001m³ in Wave 79)
- Aerosols – pressure packs (0.005m³, up from nil in Wave 79)
- Alcoholic sodas & spirit-based mixers (0.005m³, up from 0.003m³ in Wave 79)

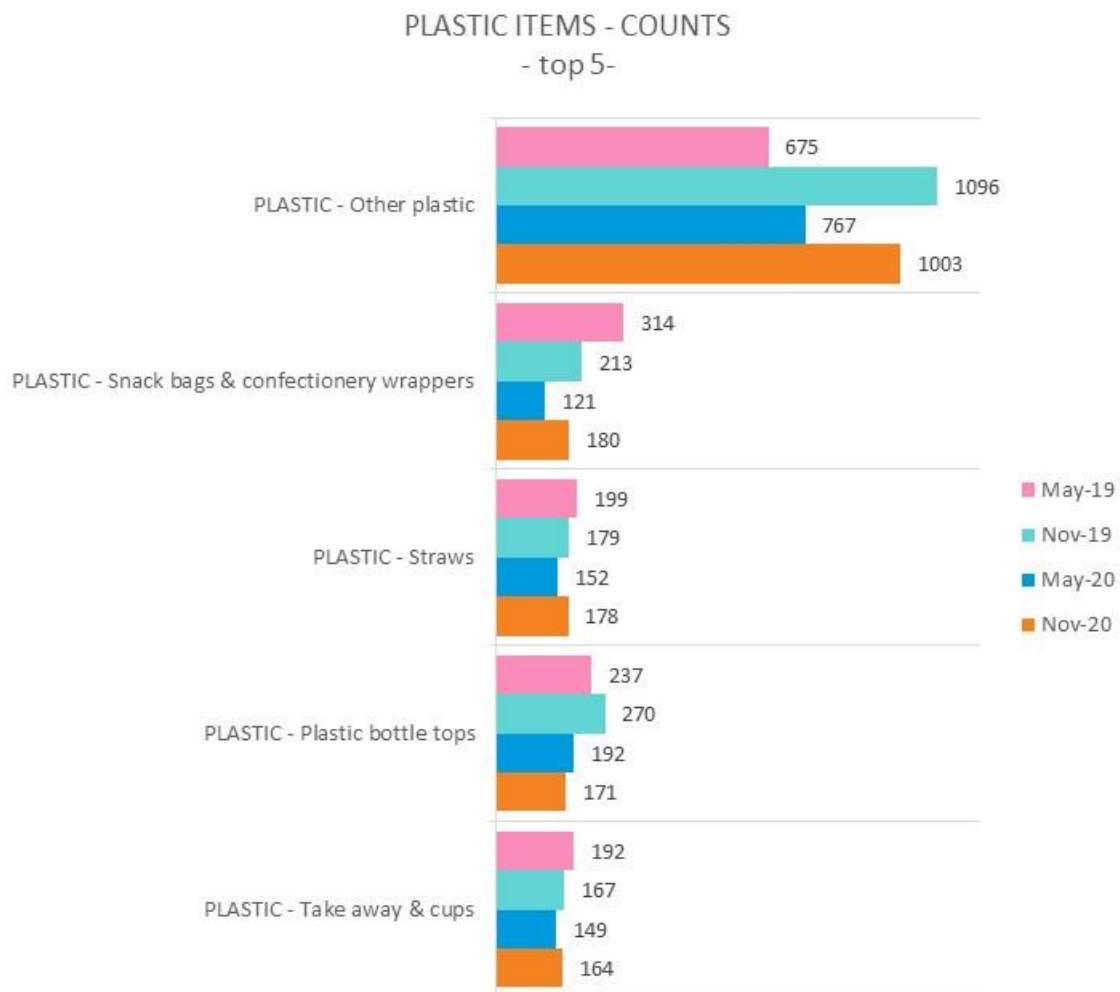


3.3 Plastic

Items

A total of 2,066 plastic litter items (up from 1,685 items in Wave 79) were counted during Wave 80. The most frequently counted plastic litter items included:

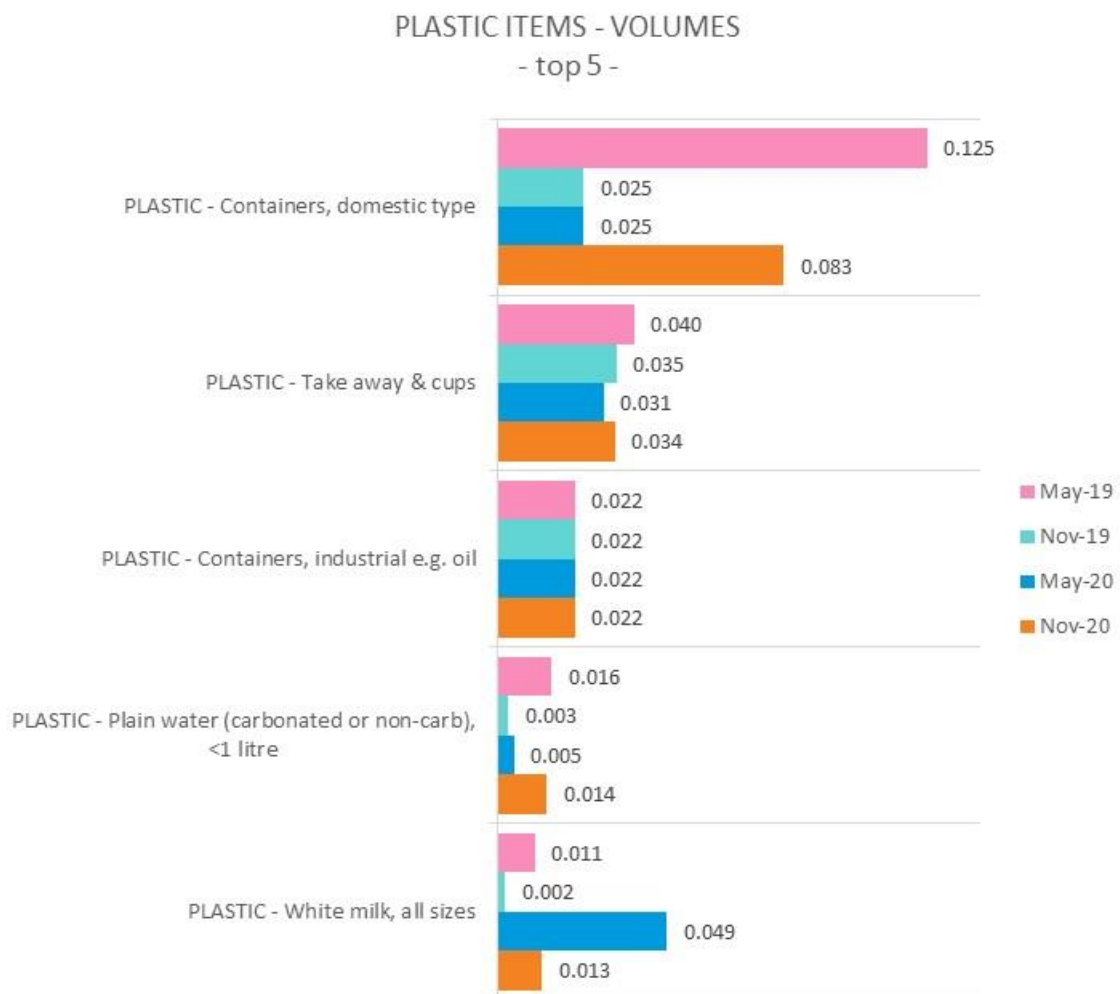
- Other plastic (1,003 items, up from 767 items in Wave 79)
- Snack bags & confectionery wrappers (180 items, up from 121 items in Wave 79)
- Straws (178 items, up from 152 items in Wave 79)
- Plastic bottle tops (171 items, down from 192 items in Wave 79)
- Take away & cups (164 items, up from 149 items in Wave 79)



Volume

Plastic items were associated with an estimated litter volume of 0.211m³ (up from 0.166m³ in Wave 79). Items which represented the largest volumes within the Wave 80 litter count included:

- Containers, domestic type (0.125m³, up from 0.025m³ in Wave 79)
- Take away & cups (0.034m³, up from 0.031m³ in Wave 79)
- Containers, industrial type (0.022m³, unchanged from 0.022 m³ in Wave 79)
- Plain water (carbonated or non-carbonated), < 1 litre (0.014m³, up from 0.005 m³ in Wave 79)
- Plain milk, all sizes (0.013m³, down from 0.049m³ in Wave 79)



3.4 Paper/ Paperboard

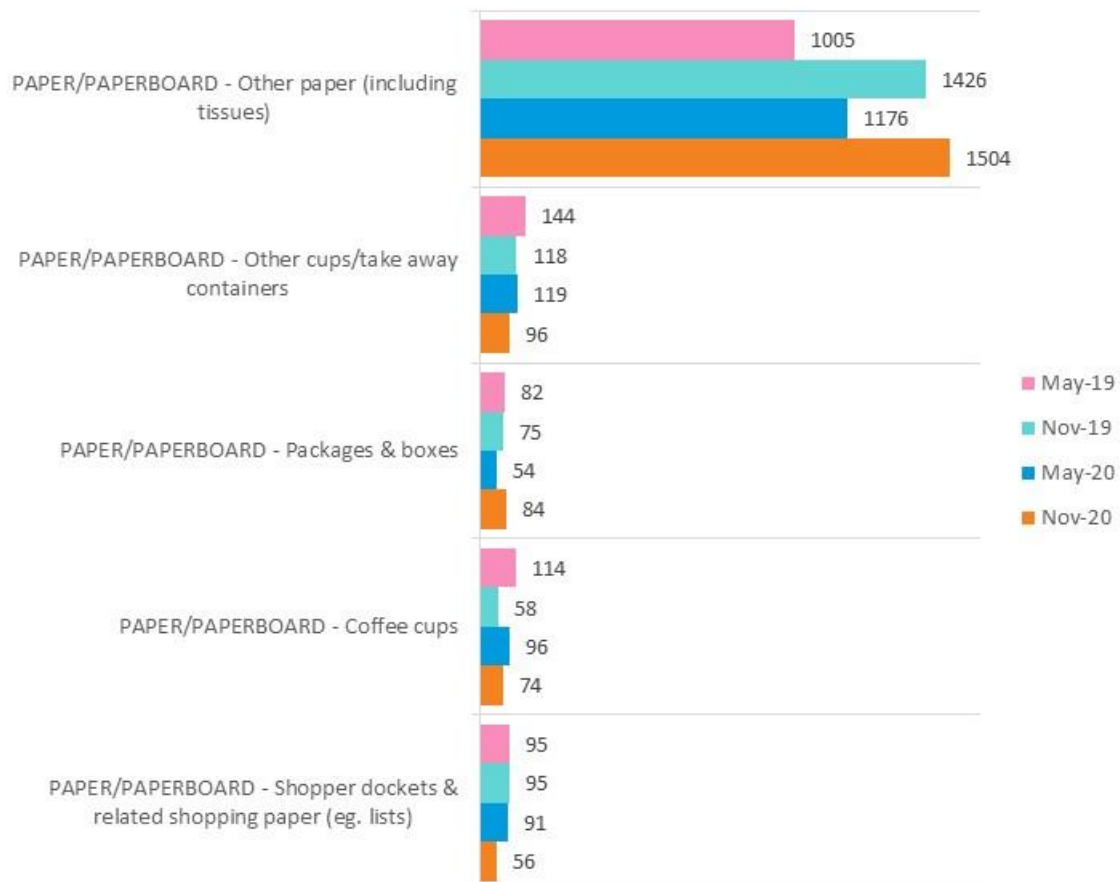
Items

A total of 1,937 paper/paperboard litter items (down from 1,675 items in Wave 79) were recorded during Wave 80.

The most frequently identified items within this material type were:

- Other paper – including tissues (1,504 items, up from 1,176 items in Wave 79)
- Other cups/ take away containers (96 items, down from 119 items in Wave 79)
- Packages & boxes (84 items, up from 54 items in Wave 79)
- Coffee cups (74 items, down from 96 items in Wave 79)
- Shopper docket & related shopping paper (e.g. lists) (56 items, down from 91 items in Wave 79)

PAPER/ PAPERBOARD ITEMS - COUNTS
- top 5 -

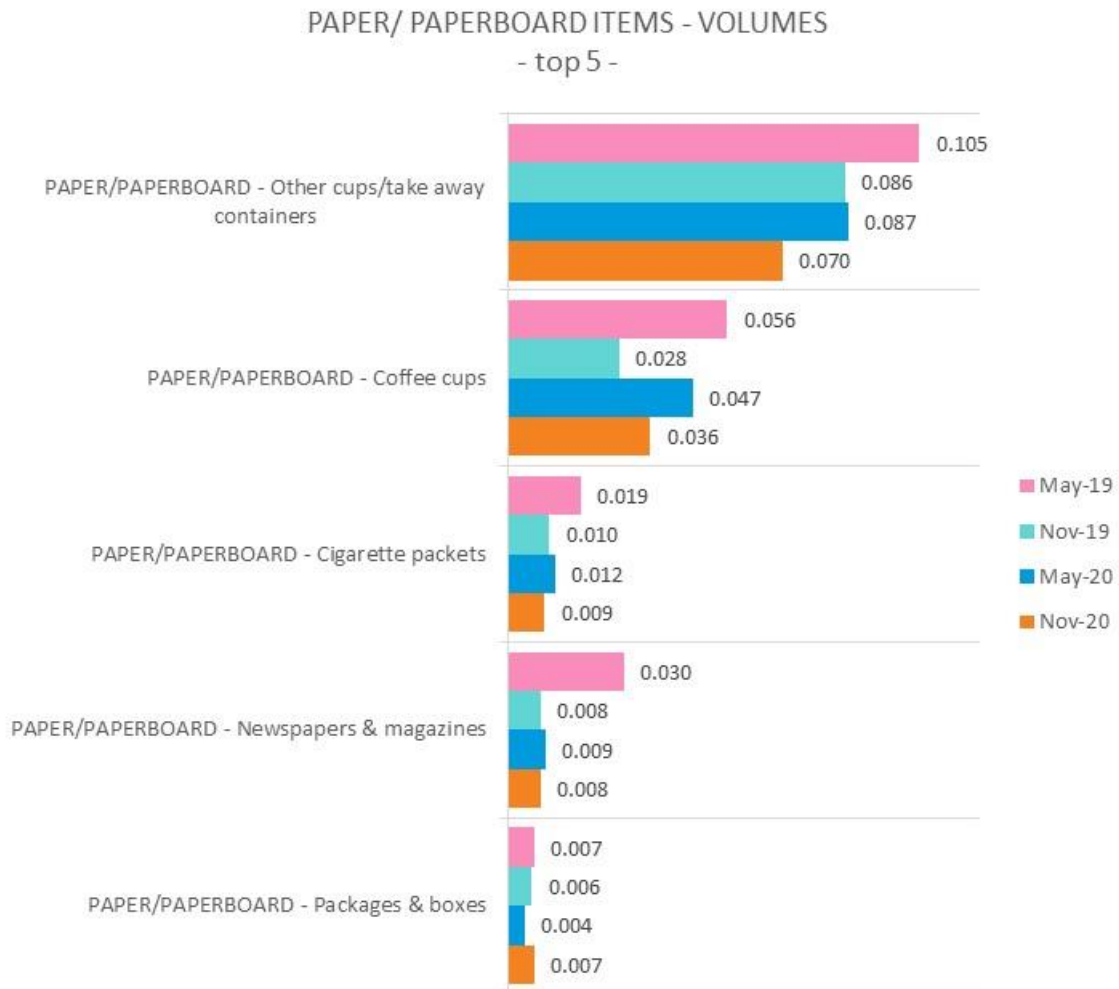


Volume

Paper/ Paperboard items accounted for 0.151m³ in estimated litter volume (down from 0.169m³ in Wave 79) in November 2020.

Paper/ paperboard items which contributed the largest volumes to the total included:

- Other cups/take away containers (0.070m³, down from 0.087m³ in Wave 79)
- Coffee cups (0.036m³, down from 0.047m³ in Wave 79)
- Cigarette packets (0.009m³, down from 0.012m³ in Wave 79)
- Newspapers & magazines (0.008m³, down from 0.009m³ in Wave 79)
- Packages & boxes (0.007m³, up from 0.004m³ in Wave 79)



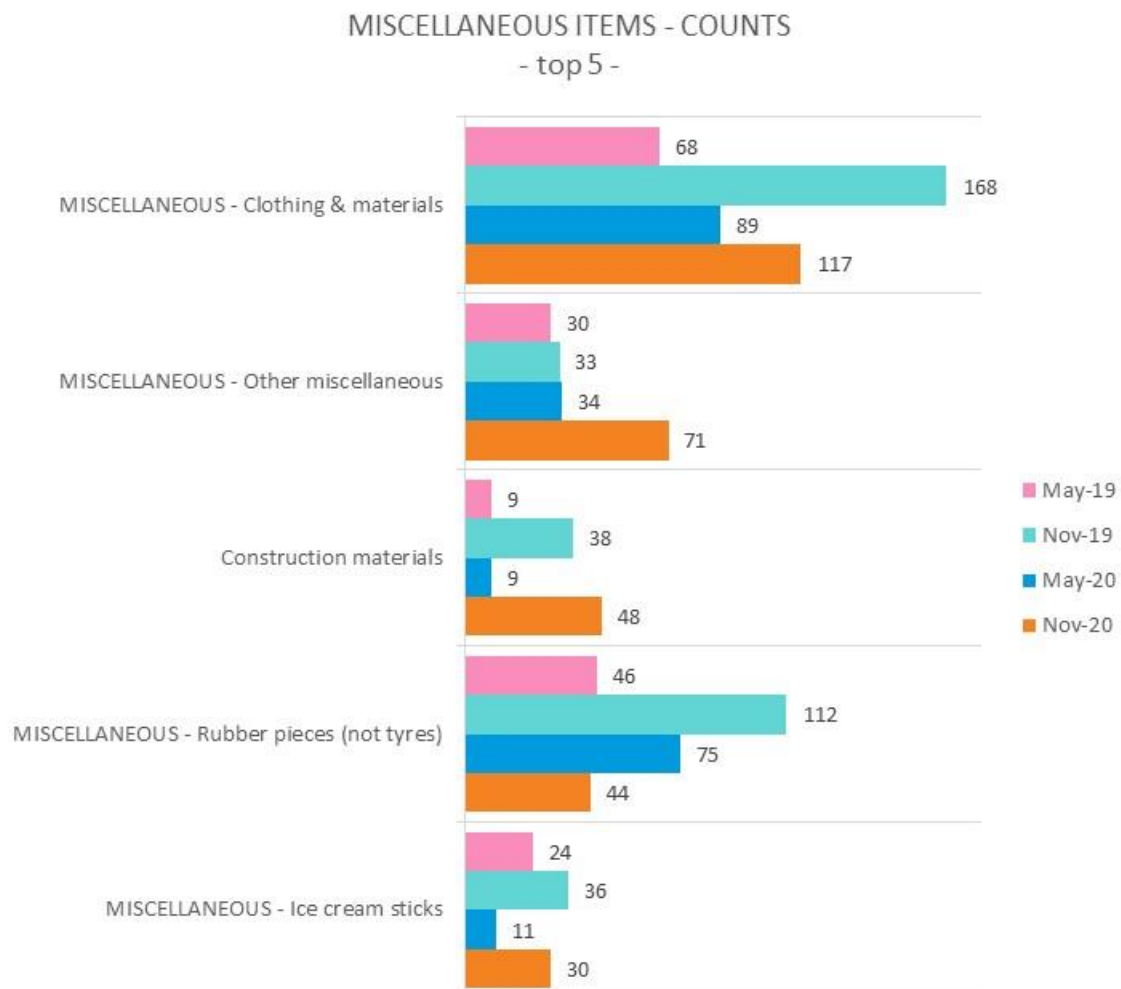
3.5 Miscellaneous

Items

A total of 342 miscellaneous items (up from 255 items in Wave 79) were counted during Wave 80.

The most frequently recorded items included:

- Clothing & materials (117 items, up from 89 items in Wave 79)
- Other miscellaneous (71 items, up from 34 items in Wave 79)
- Construction materials (48 items, down from 9 items in Wave 79)
- Rubber pieces – not tyres (44 items, down from 75 items in Wave 79)
Rubber pieces in this category include vehicle rubber mouldings, hose pipes and tubing, bicycle handlebar grips and casings, pram mouldings and strips.
- Ice cream sticks (30 items, up from 11 items in Wave 79)



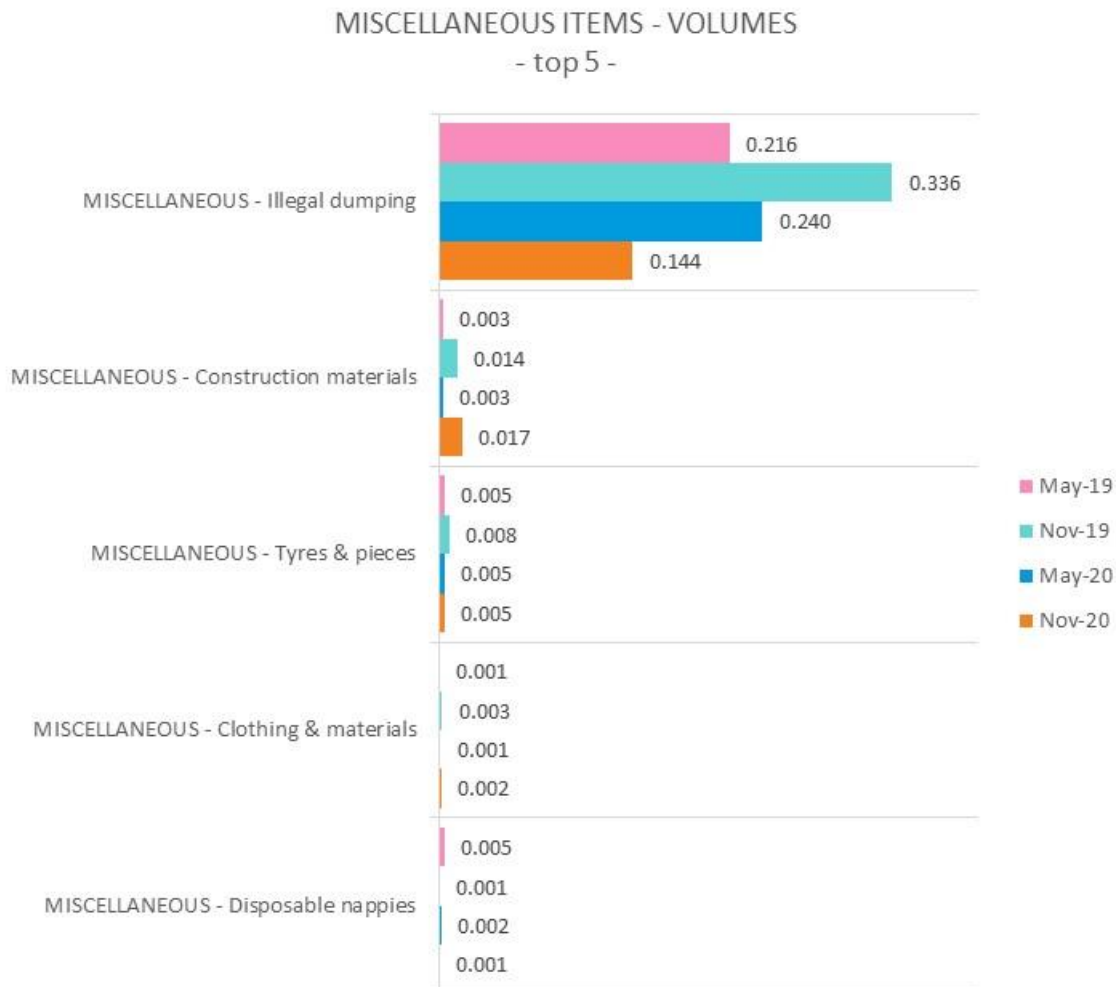
Volume

Miscellaneous litter was associated with an estimated litter volume of 0.170m³ down from 0.252m³ in Wave 79) during Wave 80.

Illegal dumping remained the major contributor to the total volume of miscellaneous items, with an estimated total volume of 0.144m³ (down from 0.240m³ in Wave 79).

Other miscellaneous items which contributed to the litter stream volume included:

- Construction materials (0.017m³, up from 0.003m³ in Wave 79)
- Tyres & pieces (0.005m³, unchanged from 0.005m³ in Wave 79)
- Clothing and materials (0.002m³, down from 0.001m³ in Wave 79)
- Disposable nappies (0.001m³, down from 0.002m³ in Wave 79)



3.6 Cigarette Butts

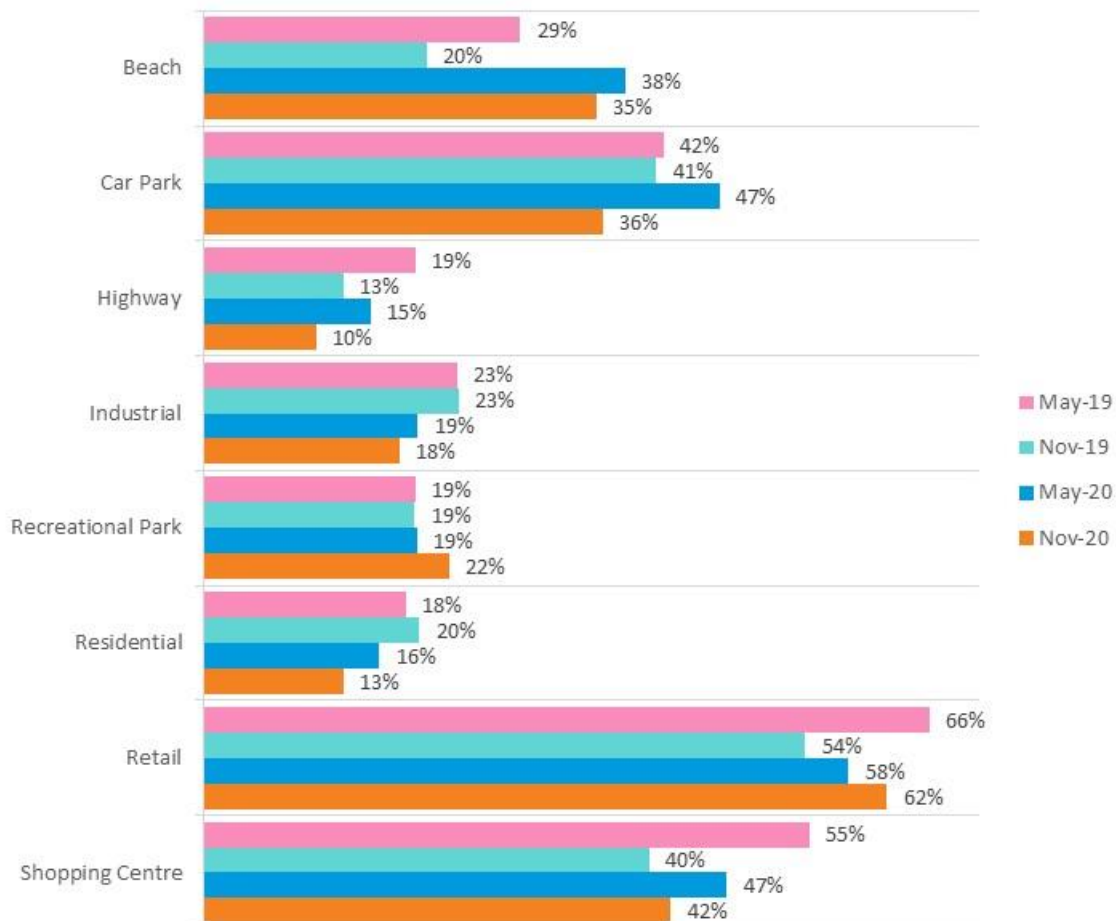
Items

The total number of cigarette butts recorded during Wave 80 was 1,741, down from 1,946 in Wave 79 and 2,232 in Wave 78 at the same time the previous year.

The proportion of cigarette butts against the total number of litter items was highest at retail sites (62%, up from 58% in Wave 79). Cigarette butts also contributed the following proportions of total litter at the following site types:

- Car parks (36%, down from 47% in Wave 79)
- Shopping centres (42%, down from 47% in Wave 79)
- Industrial sites (18%, down from 19% in Wave 79)
- Beaches (35%, down from 38% in Wave 79)
- Residential sites (13%, down from 16% in Wave 79)
- Recreational parks (22%, up from 19% in Wave 79)
- Highway sites (10%, down from 15% in Wave 79)

Cigarette butts as a proportion of total litter at each site type



Volume

Despite cigarette butts being the most numerous type of litter item, they accounted for less than 1% of the total volume of litter recorded during the current Wave.

3.7 Dispersion of Litter by Site Type

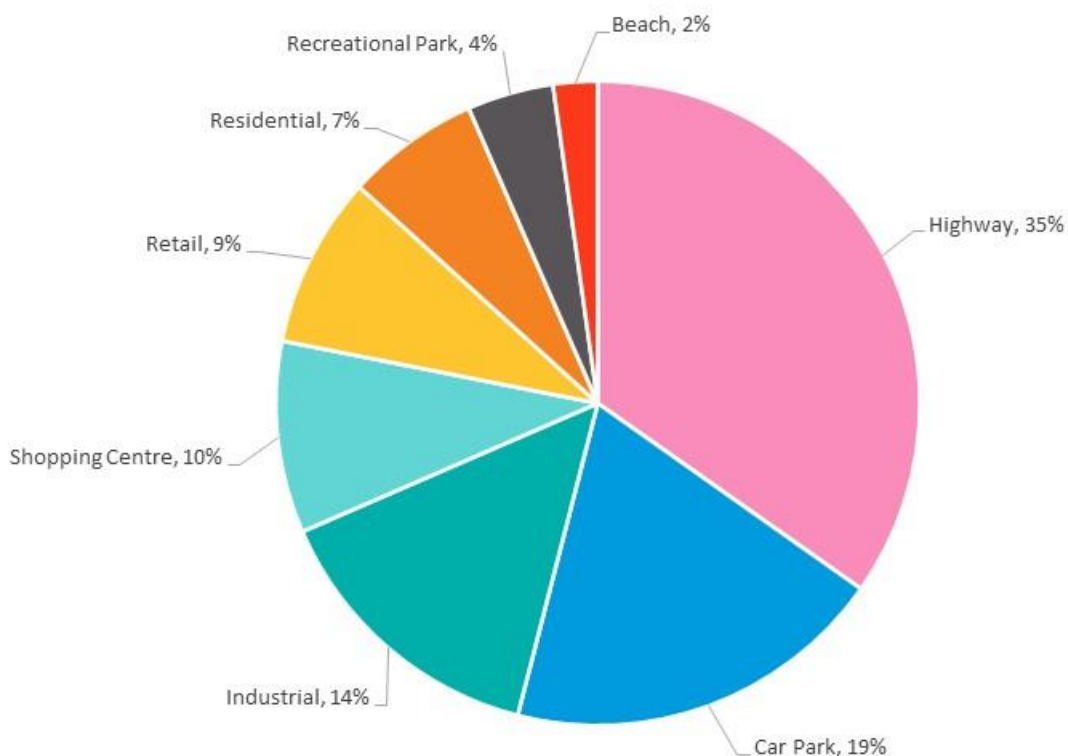
Items

Highways remained the most significant contributor to the total number of litter items counted in November 2020 with 35% (up from 29% in Wave 79) of the total litter items counted at highway locations.

Other sites contributed the following proportions of the total number of litter items counted during Wave 80:

- Car Park (19%, unchanged from 19% in Wave 79)
- Industrial (14%, down from 15% in Wave 79)
- Shopping Centre (10%, down from 15% in Wave 79)
- Retail (9%, up from 8% in from Wave 79)
- Residential (7%, up from 6% in Wave 79)
- Recreational Park (4%, up from 34% in Wave 79)
- Beach (2%, down from 5% from Wave 79)

Proportion of total litter items counted within site type



A comparison of the proportions of litter items found at each site type revealed that highway locations contributed large amounts to the total number of litter items in the November Monitor, based on the proportion of the number of these sites as outlined below:

- Highway sites represented only 18% of the total number of sites surveyed and contributed 35% (up from 27% in Wave 79) of the total litter items counted in Wave 80.

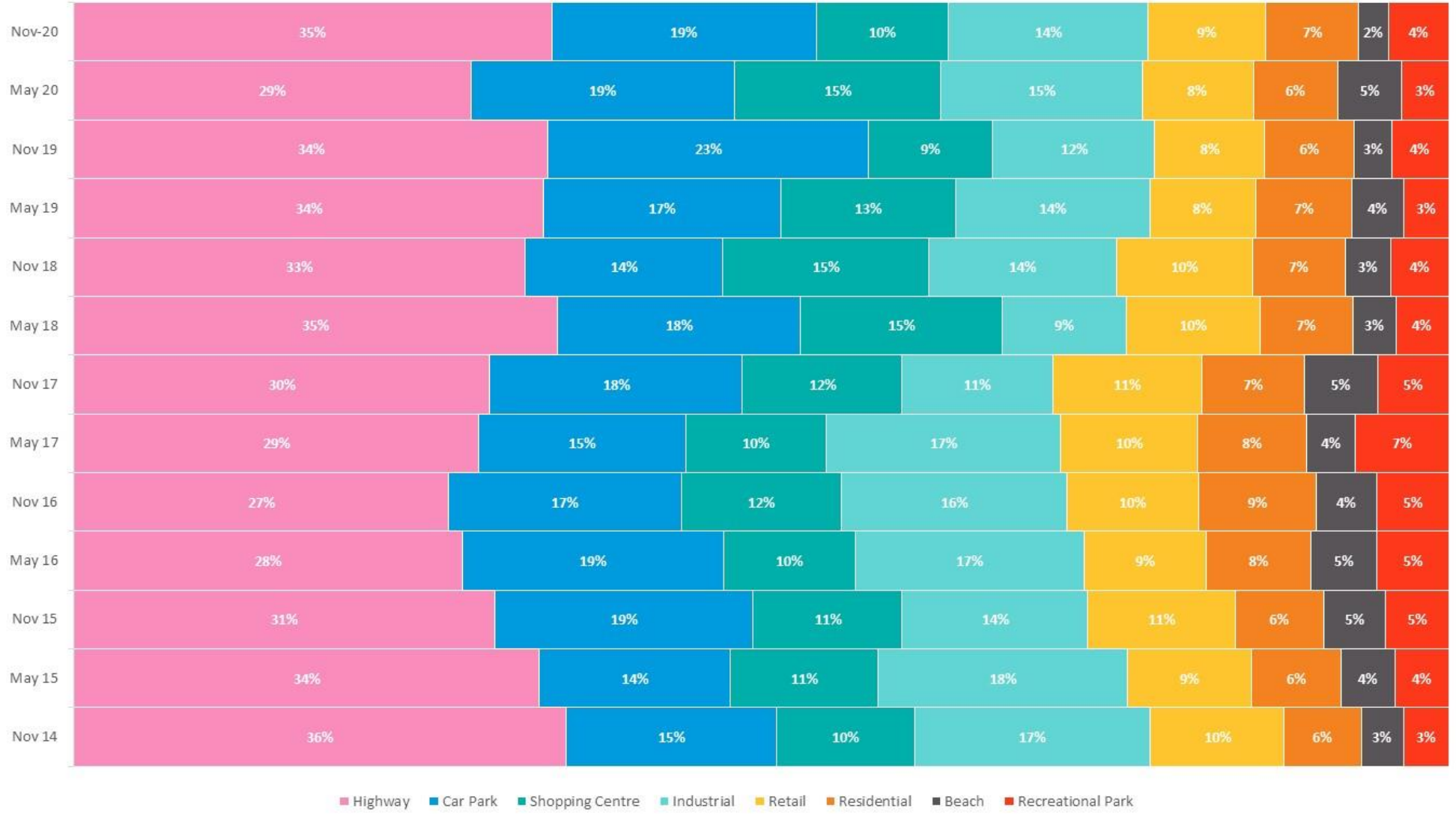
Conversely, residential locations, beaches and recreational parks contributed smaller proportions of litter items to the total litter count than anticipated based upon the proportion of these sites within the overall sample of locations as detailed below:

- Residential areas incorporated 17% of the sites surveyed but contributed only 7% (up from 6% in Wave 79) of the litter items counted in Wave 80.
- Beaches represented 11% of the sites surveyed but contributed only 2% (down from 5% in Wave 79) of the litter counted in Wave 80.
- Recreational Parks represented 9% of sites surveyed and contributed 4% (up from 3% in Wave 79) of the litter counted in Wave 80.

The remaining sites contributed around the expected proportions of litter based on the proportion of these sites among the overall number of sites counted during November 2020, the proportions were:

- Car parks incorporated 15% of the sites surveyed and contributed 19% (unchanged from 19% in Wave 79) of the litter items counted in Wave 80.
- Industrial sites incorporated 11% of the sites surveyed and contributed 14% (down from 15% in Wave 79) of the total litter items counted in Wave 80.
- Shopping centres - incorporated 9% of the sites surveyed and contributed 10% (down from 15% in Wave 79) of the litter items counted in Wave 80.
- Retail areas - incorporated 10% of the sites surveyed and contributed 9% (up from 8% in Wave 79) of the litter items counted in Wave 80.

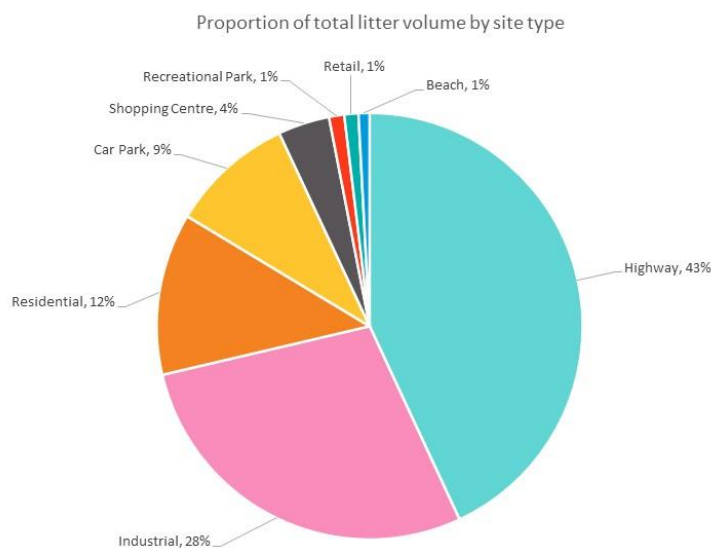
PROPORTION OF TOTAL LITTER ITEMS COUNTED WITHIN SITE TYPE
- tracking -



Volume

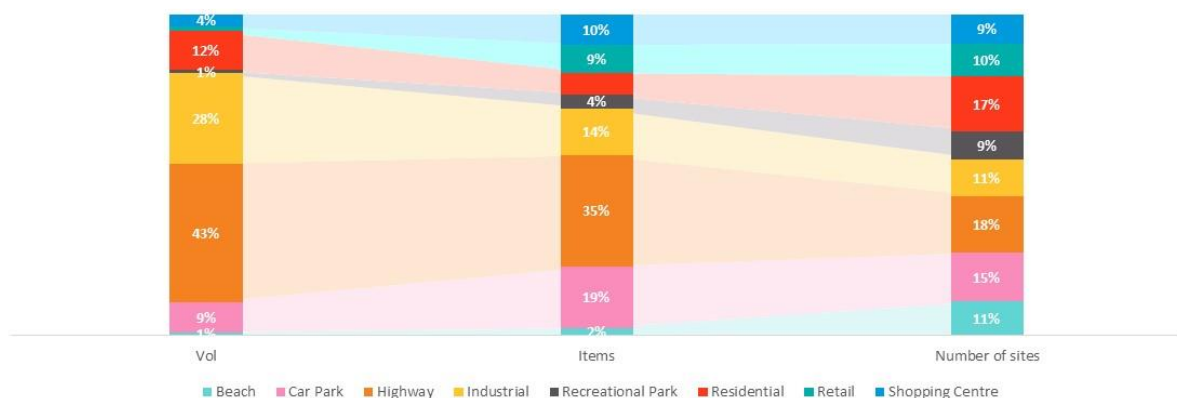
Just over quarter (43%, up from 27% in Wave 79) of the total volume of litter estimated during Wave 80 was associated with litter items at highway sites, and just over quarter (28%, unchanged from 28% in Wave 79) was associated with litter items at industrial sites.

Lower volumes of litter were contributed by residential sites (12%, down from 18% in Wave 79), retail sites (1%, down from 8% in Wave 79), beaches (1%, down from 7% in Wave 79), recreational park sites (1%, down from 5% in Wave 79), car park sites (9%, up from 4% in Wave 79) and shopping centres (4%, unchanged from 4% in Wave 79) during Wave 80.



A comparison of the litter volume, number of litter items and proportion of sites represented within location types shows that highway locations and industrial sites contributed a larger number and volume of litter items than would be expected given their representations within the sample.

NUMBER AND VOLUME OF LITTER BY SITE TYPE AS PROPORTIONS OF TOTALS



3.8 CDL Beverage Containers

The majority (97%, down from 98% in Wave 79) of litter items counted in November 2020 were non-beverage items.

The total number of CDL beverage containers counted was 190 items, up from 80 items in Wave 79 and 172 items in Wave 79.

CDL beverage containers accounted for 93% (up from 71% in Wave 79) of all beverage containers counted during Wave 80.

Data Summary - Items

KESAB - Litter Strategy Monitoring Wave 80 - Nov 2020			Items										
			BEACH	CAR PARK	HIGHWAY	INDUSTRIAL	RECREATIONAL PARK	RESIDENTIAL	RETAIL	SHOPPING CENTRE	METROPOLITAN	REGIONAL	TOTAL ITEMS
CIGARETTE BUTTS		NBEV	55	483	246	178	67	59	370	283	1232	509	1741
GLASS	Alcoholic sodas/spirit-based mixers, all sizes	CDL	1	0	3	0	1	0	0	0	2	3	5
	Beer, all colours of glass, <750ml	CDL	0	2	15	3	1	2	0	0	13	10	23
	Beer, all colours of glass, 750ml+	CDL	0	0	0	0	0	0	0	0	0	0	0
	Cider/fruit based etc.	CDL	0	0	0	0	1	0	0	0	0	1	1
	Flav. water/fruit j. drink/sports drink (non-carb), <1 litre	CDL	0	0	0	0	0	0	0	0	0	0	0
	Flav. water/fruit j. drink/sports drink (non-carb), 1 litre+	CDL	0	0	0	0	0	0	0	0	0	0	0
	Flav. water/soft drink (carbonated), <1 litre	CDL	0	0	1	2	0	0	0	1	1	3	4
	Flav. water/soft drink (carbonated), 1 litre+	CDL	0	0	0	0	0	0	0	0	0	0	0
	Fruit juice, <1 litre	CDL	0	0	0	0	0	0	0	0	0	0	0
	Fruit juice, 1 litre+	BEV	0	0	0	0	0	0	0	0	0	0	0
	Other glass	NBEV	0	30	116	65	3	18	13	0	182	63	245
	Plain water (carbonated or non-carb), <1 litre	CDL	0	0	0	13	0	0	0	2	15	0	15
	Plain water (carbonated or non-carb), 1 litre+	CDL	0	0	0	0	0	0	0	0	0	0	0
	Wine & spirit, all sizes	BEV	0	0	1	0	0	1	0	0	2	0	2
Wine cooler, all sizes	CDL	0	0	0	0	0	0	0	0	0	0	0	
TOTAL			1	32	136	83	6	21	13	3	215	80	295
METAL	Aerosols - pressure packs	NBEV	0	1	3	3	0	0	0	0	7	0	7
	Alcoholic sodas & spirit-based mixers	CDL	0	1	9	0	0	1	0	0	10	1	11
	Beer, aluminium, all types, all sizes	CDL	1	0	11	5	0	1	0	0	12	6	18
	Cider/fruit based etc.	CDL	0	0	0	0	0	0	0	0	0	0	0
	Flav. water/soft drink, (carbonated), all sizes	CDL	0	3	34	5	0	0	0	0	35	7	42
	Flav. water/soft drink, (non-carb), all sizes	CDL	0	0	0	0	0	0	0	0	0	0	0
	Foil take away	NBEV	1	1	6	6	1	7	0	0	15	7	22
	Food cans (including pet food)	NBEV	0	0	4	1	0	0	0	0	5	0	5
	Industrial cans - all types	NBEV	0	0	0	0	0	0	0	0	0	0	0
	Metal bottle tops and can pull rings	NBEV	5	48	104	32	15	9	10	5	187	41	228
	Metal pieces	NBEV	1	5	25	24	0	4	2	4	57	8	65
	Other foil	NBEV	1	45	68	25	17	11	6	6	130	49	179
	TOTAL			9	104	264	101	33	33	18	15	458	119

KESAB - Litter Strategy Monitoring Wave 80 - Nov 2020			Items										
			BEACH	CAR PARK	HIGHWAY	INDUSTRIAL	RECREATIONAL PARK	RESIDENTIAL	RETAIL	SHOPPING CENTRE	METROPOLITAN	REGIONAL	TOTAL ITEMS
MISCELLANEOUS	Clothing & materials	NBEV	3	10	63	20	5	7	2	7	78	39	117
	Condoms	NBEV	0	0	0	0	0	0	0	0	0	0	0
	Construction materials	NBEV	0	5	7	25	0	11	0	0	40	8	48
	Disposable nappies	NBEV	0	1	0	0	0	0	0	0	0	1	1
	Ice cream sticks	NBEV	0	20	3	0	1	0	1	5	26	4	30
	Illegal dumping	NBEV	0	0	1	3	0	2	0	0	6	0	6
	Other miscellaneous	NBEV	2	8	9	22	5	10	1	14	63	8	71
	Rubber pieces (not tyres)	NBEV	1	8	23	7	3	1	1	0	38	6	44
	Syringes	NBEV	0	2	0	2	0	0	0	0	4	0	4
	Tyres & pieces	NBEV	0	0	19	2	0	0	0	0	17	4	21
TOTAL			6	54	125	81	14	31	5	26	272	70	342
PAPER/PAPERBOARD	Cartons, flavoured milk, <1 litre	CDL	0	0	5	1	0	0	0	2	8	0	8
	Cartons, flavoured milk, 1 litre+	BEV	0	0	0	0	0	0	0	0	0	0	0
	Cartons, fruit juice, <1 litre	CDL	0	1	0	0	0	1	0	0	2	0	2
	Cartons, fruit juice, 1 litre+	BEV	0	0	1	0	0	0	0	0	1	0	1
	Cartons, milk, plain (white), all sizes	BEV	0	1	1	0	0	0	0	0	1	1	2
	Cigarette packets	NBEV	0	9	17	10	0	2	1	4	32	11	43
	Cups/take away containers	NBEV	0	17	55	15	0	7	0	2	74	22	96
	Coffee cups	NBEV	0	14	38	10	1	1	3	7	54	20	74
	Flav. water/fruit j. drink/sports drink (non-carb), <1 litre	CDL	0	0	0	0	0	1	0	0	1	0	1
	Flav. water/fruit j. drink/sports drink (non-carb), 1 litre+	CDL	0	0	1	0	0	0	0	0	0	1	1
	Ice cream wrappers	NBEV	0	0	1	0	0	4	0	0	3	2	5
	Junk mail/free circulars	NBEV	0	2	2	3	0	2	0	1	6	4	10
	Newspapers & magazines	NBEV	0	1	1	5	0	0	0	0	2	5	7
	Other paper (including tissues)	NBEV	33	266	583	183	68	128	90	153	1282	222	1504
	Packages & boxes	NBEV	0	9	37	21	2	8	1	6	58	26	84
	Paper bags	NBEV	0	6	18	8	0	1	2	3	22	16	38
Shopper docketts & related shopping paper (eg. lists)	NBEV	2	10	2	5	0	2	12	23	31	25	56	
Tickets, e.g. bus, ATM, vending machine etc.	NBEV	0	0	2	0	0	0	0	3	3	2	5	
TOTAL			35	336	764	261	71	157	109	204	1580	357	1937

KESAB - Litter Strategy Monitoring Wave 80 - Nov 2020			Items										
			BEACH	CAR PARK	HIGHWAY	INDUSTRIAL	RECREATIONAL PARK	RESIDENTIAL	RETAIL	SHOPPING CENTRE	METROPOLITAN	REGIONAL	TOTAL ITEMS
PLASTIC	6 ring can holders	NBEV	0	0	0	0	0	1	0	0	0	1	1
	Bags - heavier glossy typically branded carry bags	NBEV	0	0	12	3	0	0	0	1	4	12	16
	Bags - supermarket type light weight carry bags	NBEV	2	1	17	3	2	1	2	0	17	11	28
	Bread bag tags	NBEV	0	4	0	0	6	0	2	3	8	7	15
	Containers, domestic type	NBEV	0	2	4	3	0	0	0	1	7	3	10
	Containers, industrial e.g. oil	NBEV	0	0	1	0	0	0	0	0	0	1	1
	Drink pouches	CDL	0	2	1	0	0	1	0	0	3	1	4
	Flav. water/fruit j. drink/sports drink (non-carb), <1 litre	CDL	0	0	1	0	0	0	0	2	3	0	3
	Flav. water/fruit j. drink/sports drink (non-carb), 1 litre+	CDL	1	0	1	0	0	0	1	0	3	0	3
	Flav. water/soft drink (carbonated), <1 litre	CDL	1	0	6	0	1	0	2	0	5	5	10
	Flav. water/soft drink (carbonated), 1 litre+	CDL	0	0	2	0	0	0	0	0	2	0	2
	Flavoured milk, <1 litre	CDL	0	0	9	3	0	0	0	2	13	1	14
	Flavoured milk, 1 litre+	BEV	0	0	3	0	0	0	0	0	3	0	3
	Fruit juice, <1 litre	CDL	0	0	2	0	0	0	0	0	2	0	2
	Fruit juice, 1 litre+	BEV	0	0	0	0	0	0	0	0	0	0	0
	Lollipop sticks	NBEV	1	30	4	4	11	2	3	5	39	21	60
	Other plastic	NBEV	24	123	477	137	33	95	38	76	849	154	1003
	Packing tape & straps	NBEV	0	4	44	16	2	2	1	2	52	19	71
	Plain water (carbonated or non-carb), <1 litre	CDL	1	0	12	3	2	0	0	0	18	0	18
	Plain water (carbonated or non-carb), 1 litre+	CDL	0	0	2	1	0	0	0	0	3	0	3
	Plastic bottle tops	NBEV	2	38	45	32	14	15	10	15	142	29	171
	Sacks - sheeting - other bags	NBEV	0	0	6	8	0	2	0	0	8	8	16
	Snack bags & confectionery wrappers	NBEV	6	32	51	31	16	23	9	12	146	34	180
	Spoons/cutlery	NBEV	0	23	12	5	3	0	2	3	38	10	48
	Straws	NBEV	7	43	67	19	13	15	8	6	129	49	178
	Styrene foam boxes, sheets, etc.	NBEV	0	2	29	3	1	1	0	0	26	10	36
	Take away & cups	NBEV	4	26	75	30	7	5	6	11	131	33	164
White milk, all sizes	BEV	0	0	1	2	0	3	0	0	5	1	6	
Wine cask bladders	BEV	0	0	0	0	0	0	0	0	0	0	0	
TOTAL		49	330	884	303	111	166	84	139	1656	410	2066	
GRAND TOTAL		155	1339	2419	1007	302	467	599	670	5413	1545	6958	

Data Summary - Volumes

KESAB - Litter Strategy Monitoring Wave 80 - Nov 2020		Volume - Cubic Metres											
		BEACH	CAR PARK	HIGHWAY	INDUSTRIAL	RECREATIONAL PARK	RESIDENTIAL	RETAIL	SHOPPING CENTRE	METROPOLITAN	REGIONAL	TOTAL ITEMS	
CIGARETTE BUTTS		NBEV	0.000006	0.000056	0.000028	0.000020	0.000008	0.000007	0.000043	0.000033	0.00014	0.000059	0.000200
GLASS	Alcoholic sodas/spirit-based mixers, all sizes	CDL	0.000374	0.000000	0.001123	0.000000	0.000374	0.000000	0.000000	0.000000	0.000749	0.001123	0.001872
	Beer, all colours of glass, <750ml	CDL	0.000000	0.000926	0.006944	0.001389	0.000463	0.000926	0.000000	0.000000	0.006018	0.004629	0.010647
	Beer, all colours of glass, 750ml+	CDL	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
	Cider/fruit based etc.	CDL	0.000000	0.000000	0.000000	0.000000	0.000458	0.000000	0.000000	0.000000	0.000000	0.000458	0.000458
	Flav. water/fruit j. drink/sports drink (non-carb), <1 litre	CDL	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
	Flav. water/fruit j. drink/sports drink (non-carb), 1 litre+	CDL	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
	Flav. water/soft drink (carbonated), <1 litre	CDL	0.000000	0.000000	0.000396	0.000792	0.000000	0.000000	0.000000	0.000396	0.000396	0.001188	0.001583
	Flav. water/soft drink (carbonated), 1 litre+	CDL	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
	Fruit juice, <1 litre	CDL	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
	Fruit juice, 1 litre+	BEV	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
	Other glass	NBEV	0.000000	0.000589	0.002278	0.001277	0.000059	0.000354	0.000255	0.000000	0.003574	0.001237	0.004812
	Plain water (carbonated or non-carb), <1 litre	CDL	0.000000	0.000000	0.000000	0.007554	0.000000	0.000000	0.000000	0.001162	0.008716	0.000000	0.008716
	Plain water (carbonated or non-carb), 1 litre+	CDL	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
	Wine & spirit, all sizes	BEV	0.000000	0.000000	0.000891	0.000000	0.000000	0.000891	0.000000	0.000000	0.001783	0.000000	0.001783
Wine cooler, all sizes	CDL	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	
TOTAL			0.000374	0.001515	0.011632	0.011011	0.001354	0.002171	0.000255	0.001558	0.021236	0.008635	0.029871
METAL	Aerosols - pressure packs	NBEV	0.000000	0.000684	0.002053	0.002053	0.000000	0.000000	0.000000	0.000000	0.004790	0.000000	0.004790
	Alcoholic sodas & spirit-based mixers	CDL	0.000000	0.000431	0.003883	0.000000	0.000000	0.000431	0.000000	0.000000	0.004314	0.000431	0.004745
	Beer, aluminium, all types, all sizes	CDL	0.000431	0.000000	0.004745	0.002157	0.000000	0.000431	0.000000	0.000000	0.005177	0.002588	0.007765
	Cider/fruit based etc.	CDL	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
	Flav. water/soft drink, (carbonated), all sizes	CDL	0.000000	0.001277	0.014468	0.002128	0.000000	0.000000	0.000000	0.000000	0.014894	0.002979	0.017872
	Flav. water/soft drink, (non-carb), all sizes	CDL	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
	Foil take away	NBEV	0.000462	0.000462	0.002774	0.002774	0.000462	0.003237	0.000000	0.000000	0.006936	0.003237	0.010172
	Food cans (including pet food)	NBEV	0.000000	0.000000	0.001855	0.000464	0.000000	0.000000	0.000000	0.000000	0.002319	0.000000	0.002319
	Industrial cans - all types	NBEV	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
	Metal bottle tops and can pull rings	NBEV	0.000020	0.000192	0.000416	0.000128	0.000060	0.000036	0.000040	0.000020	0.000748	0.000164	0.000912
	Metal pieces	NBEV	0.000011	0.000053	0.000265	0.000254	0.000000	0.000042	0.000021	0.000042	0.000604	0.000085	0.000689
	Other foil	NBEV	0.000002	0.000070	0.000106	0.000039	0.000027	0.000017	0.000009	0.000009	0.000203	0.000076	0.000279
	TOTAL			0.000926	0.003170	0.030565	0.009997	0.000549	0.004195	0.000071	0.000072	0.039984	0.009560

KESAB - Litter Strategy Monitoring Wave 80 - Nov 2020			Volume - Cubic Metres										
			BEACH	CAR PARK	HIGHWAY	INDUSTRIAL	RECREATIONAL PARK	RESIDENTIAL	RETAIL	SHOPPING CENTRE	METROPOLITAN	REGIONAL	TOTAL ITEMS
MISCELLANEOUS	Clothing & materials	NBEV	0.000046	0.000153	0.000964	0.000306	0.000077	0.000107	0.000031	0.000107	0.001193	0.000597	0.001790
	Condoms	NBEV	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
	Construction materials	NBEV	0.000000	0.001800	0.002520	0.009000	0.000000	0.003960	0.000000	0.000000	0.014400	0.002880	0.017280
	Disposable nappies	NBEV	0.000000	0.001125	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.001125	0.001125
	Ice cream sticks	NBEV	0.000000	0.000018	0.000003	0.000000	0.000001	0.000000	0.000001	0.000005	0.000024	0.000004	0.000028
	Illegal dumping	NBEV	0.000000	0.000000	0.024000	0.072000	0.000000	0.048000	0.000000	0.000000	0.144000	0.000000	0.144000
	Other miscellaneous	NBEV	0.000027	0.000108	0.000122	0.000297	0.000068	0.000135	0.000014	0.000189	0.000851	0.000108	0.000959
	Rubber pieces (not tyres)	NBEV	0.000000	0.000001	0.000004	0.000001	0.000000	0.000000	0.000000	0.000000	0.000006	0.000001	0.000007
	Syringes	NBEV	0.000000	0.000005	0.000000	0.000005	0.000000	0.000000	0.000000	0.000000	0.000009	0.000000	0.000009
	Tyres & pieces	NBEV	0.000000	0.000000	0.004275	0.000450	0.000000	0.000000	0.000000	0.000000	0.003825	0.000900	0.004725
TOTAL			0.000073	0.003210	0.031887	0.082059	0.000145	0.052202	0.000045	0.000301	0.164308	0.005614	0.169922
PAPER/PAPERBOARD	Cartons, flavoured milk, <1 litre	CDL	0.000000	0.000000	0.003362	0.000672	0.000000	0.000000	0.000000	0.001345	0.005380	0.000000	0.005380
	Cartons, flavoured milk, 1 litre+	BEV	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
	Cartons, fruit juice, <1 litre	CDL	0.000000	0.000625	0.000000	0.000000	0.000000	0.000625	0.000000	0.000000	0.001250	0.000000	0.001250
	Cartons, fruit juice, 1 litre+	BEV	0.000000	0.000000	0.002070	0.000000	0.000000	0.000000	0.000000	0.000000	0.002070	0.000000	0.002070
	Cartons, milk, plain (white), all sizes	BEV	0.000000	0.001013	0.001013	0.000000	0.000000	0.000000	0.000000	0.000000	0.001013	0.001013	0.002025
	Cigarette packets	NBEV	0.000000	0.001961	0.003704	0.002179	0.000000	0.000436	0.000218	0.000871	0.006972	0.002397	0.009368
	Cups/take away containers	NBEV	0.000000	0.012392	0.040092	0.010934	0.000000	0.005103	0.000000	0.001458	0.053942	0.016037	0.069979
	Coffee cups	NBEV	0.000000	0.006860	0.018621	0.004900	0.000490	0.000490	0.001470	0.003430	0.026461	0.009801	0.036262
	Flav. water/fruit j. drink/sports drink (non-carb), <1 litre	CDL	0.000000	0.000000	0.000000	0.000000	0.000000	0.000302	0.000000	0.000000	0.000302	0.000000	0.000302
	Flav. water/fruit j. drink/sports drink (non-carb), 1 litre+	CDL	0.000000	0.000000	0.002070	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.002070	0.002070
	Ice cream wrappers	NBEV	0.000000	0.000000	0.000002	0.000000	0.000000	0.000010	0.000000	0.000000	0.000007	0.000005	0.000012
	Junk mail/free circulars	NBEV	0.000000	0.000348	0.000348	0.000522	0.000000	0.000348	0.000000	0.000174	0.001044	0.000696	0.001740
	Newspapers & magazines	NBEV	0.000000	0.001180	0.001180	0.005900	0.000000	0.000000	0.000000	0.000000	0.002360	0.005900	0.008260
	Other paper (including tissues)	NBEV	0.000112	0.000899	0.001971	0.000619	0.000230	0.000433	0.000304	0.000517	0.004333	0.000750	0.005084
	Packages & boxes	NBEV	0.000000	0.000720	0.002960	0.001680	0.000160	0.000640	0.000080	0.000480	0.004640	0.002080	0.006720
	Paper bags	NBEV	0.000000	0.000063	0.000190	0.000085	0.000000	0.000011	0.000021	0.000032	0.000233	0.000169	0.000402
	Shopper docketts & related shopping paper (eg. lists)	NBEV	0.000004	0.000020	0.000004	0.000010	0.000000	0.000004	0.000024	0.000047	0.000063	0.000051	0.000114
Tickets, e.g. bus, ATM, vending machine etc.	NBEV	0.000000	0.000000	0.000002	0.000000	0.000000	0.000000	0.000000	0.000003	0.000003	0.000002	0.000004	
TOTAL			0.000116	0.026082	0.077589	0.027501	0.000880	0.008400	0.002118	0.008357	0.110073	0.040970	0.151042

KESAB - Litter Strategy Monitoring Wave 80 - Nov 2020			Volume - Cubic Metres											
			BEACH	CAR PARK	HIGHWAY	INDUSTRIAL	RECREATIONAL PARK	RESIDENTIAL	RETAIL	SHOPPING CENTRE	METROPOLITAN	REGIONAL	TOTAL ITEMS	
PLASTIC	6 ring can holders	NBEV	0.000000	0.000000	0.000000	0.000000	0.000000	0.000002	0.000000	0.000000	0.000000	0.000000	0.000002	0.000002
	Bags - heavier glossy typically branded carry bags	NBEV	0.000000	0.000000	0.001051	0.000263	0.000000	0.000000	0.000000	0.000000	0.000088	0.000350	0.001051	0.001402
	Bags - supermarket type light weight carry bags	NBEV	0.000068	0.000034	0.000577	0.000102	0.000068	0.000034	0.000068	0.000000	0.000000	0.000577	0.000373	0.000950
	Bread bag tags	NBEV	0.000000	0.000001	0.000000	0.000000	0.000001	0.000000	0.000000	0.000001	0.000000	0.000002	0.000002	0.000003
	Containers, domestic type	NBEV	0.000000	0.016648	0.033296	0.024972	0.000000	0.000000	0.000000	0.008324	0.058268	0.024972	0.083240	0.083240
	Containers, industrial e.g. oil	NBEV	0.000000	0.000000	0.022458	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.022458	0.022458	0.022458
	Drink pouches	CDL	0.000000	0.000173	0.000086	0.000000	0.000000	0.000086	0.000000	0.000000	0.000000	0.000259	0.000086	0.000345
	Flav. water/fruit j. drink/sports drink (non-carb), <1 litre	CDL	0.000000	0.000000	0.000738	0.000000	0.000000	0.000000	0.000000	0.001475	0.002213	0.000000	0.002213	0.002213
	Flav. water/fruit j. drink/sports drink (non-carb), 1 litre+	CDL	0.001201	0.000000	0.001201	0.000000	0.000000	0.000000	0.001201	0.000000	0.003603	0.000000	0.003603	0.003603
	Flav. water/soft drink (carbonated), <1 litre	CDL	0.000622	0.000000	0.003733	0.000000	0.000622	0.000000	0.001244	0.000000	0.003111	0.003111	0.006221	0.006221
	Flav. water/soft drink (carbonated), 1 litre+	CDL	0.000000	0.000000	0.003308	0.000000	0.000000	0.000000	0.000000	0.000000	0.003308	0.000000	0.003308	0.003308
	Flavoured milk, <1 litre	CDL	0.000000	0.000000	0.004794	0.001598	0.000000	0.000000	0.000000	0.001065	0.006925	0.000533	0.007458	0.007458
	Flavoured milk, 1 litre+	BEV	0.000000	0.000000	0.006410	0.000000	0.000000	0.000000	0.000000	0.000000	0.006410	0.000000	0.006410	0.006410
	Fruit juice, <1 litre	CDL	0.000000	0.000000	0.000800	0.000000	0.000000	0.000000	0.000000	0.000000	0.000800	0.000000	0.000800	0.000800
	Fruit juice, 1 litre+	BEV	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
	Lollipop sticks	NBEV	0.000001	0.000016	0.000002	0.000002	0.000006	0.000001	0.000002	0.000003	0.000021	0.000011	0.000032	0.000032
	Other plastic	NBEV	0.000030	0.000154	0.000596	0.000171	0.000041	0.000119	0.000048	0.000095	0.001061	0.000193	0.001254	0.001254
	Packing tape & straps	NBEV	0.000000	0.000001	0.000012	0.000004	0.000001	0.000001	0.000000	0.000001	0.000014	0.000005	0.000019	0.000019
	Plain water (carbonated or non-carb), <1 litre	CDL	0.000788	0.000000	0.009455	0.002364	0.001576	0.000000	0.000000	0.000000	0.014182	0.000000	0.014182	0.014182
	Plain water (carbonated or non-carb), 1 litre+	CDL	0.000000	0.000000	0.003083	0.001542	0.000000	0.000000	0.000000	0.000000	0.004625	0.000000	0.004625	0.004625
	Plastic bottle tops	NBEV	0.000016	0.000304	0.000360	0.000256	0.000112	0.000120	0.000080	0.000120	0.001137	0.000232	0.001369	0.001369
	Sacks - sheeting - other bags	NBEV	0.000000	0.000000	0.000002	0.000003	0.000000	0.000001	0.000000	0.000000	0.000003	0.000003	0.000005	0.000005
	Snack bags & confectionery wrappers	NBEV	0.000047	0.000251	0.000399	0.000243	0.000125	0.000180	0.000070	0.000094	0.001143	0.000266	0.001409	0.001409
	Spoons/cutlery	NBEV	0.000000	0.000221	0.000115	0.000048	0.000029	0.000000	0.000019	0.000029	0.000365	0.000096	0.000461	0.000461
	Straws	NBEV	0.000029	0.000177	0.000276	0.000078	0.000054	0.000062	0.000033	0.000025	0.000532	0.000202	0.000734	0.000734
	Styrene foam boxes, sheets, etc.	NBEV	0.000000	0.000075	0.001088	0.000113	0.000038	0.000038	0.000000	0.000000	0.000975	0.000375	0.001350	0.001350
	Take away & cups	NBEV	0.000828	0.005383	0.015527	0.006211	0.001449	0.001035	0.001242	0.002277	0.027120	0.006832	0.033951	0.033951
	White milk, all sizes	BEV	0.000000	0.000000	0.002137	0.004273	0.000000	0.006410	0.000000	0.000000	0.010683	0.002137	0.012820	0.012820
	Wine cask bladders	BEV	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
	TOTAL			0.003629	0.023437	0.111504	0.042242	0.004121	0.008087	0.004008	0.013596	0.147686	0.062938	0.210624
GRAND TOTAL			0.005125	0.057469	0.263206	0.172830	0.007057	0.075063	0.006539	0.023916	0.483428	0.127776	0.611204	